

**APPENDIX F**  
**CULTURAL RESOURCES EVALUATION REPORT**



**NATIONAL REGISTER OF HISTORIC PLACES  
EVALUATION OF THE NATIONAL WILDLIFE  
HEALTH CENTER  
Proposed Modernization of the National  
Wildlife Health Center Madison, Wisconsin**

Prepared for:  
**United States Geological Survey**

Prepared by:  
**WSP USA Inc.**

**December 13, 2022**

NATIONAL REGISTER OF HISTORIC PLACES EVALUATION  
OF THE NATIONAL WILDLIFE HEALTH CENTER

**Proposed Modernization of the National Wildlife Health Center -  
Madison, Wisconsin**

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December 13, 2022



## United States Department of the Interior

U. S. GEOLOGICAL SURVEY  
Box 25046 M.S. 205  
Denver Federal Center  
Denver, Colorado 80225

DATE: December 13, 2022

State Historic Preservation Office  
Wisconsin Historical Society  
816 State Street  
Madison, Wisconsin 53706

**Attn: Kay Romanin, State Historic Preservation Office – Compliance, Wisconsin Historical Society**

**Re: Proposed Modernization of USGS National Wildlife Health Center**

Dear Ms. Romanin:

The United States Geological Survey (USGS) is initiating the Section 106 process pursuant to 36 CFR 800.3, because the above referenced project may have a potential impact on historic properties. Enclosed for your review is a memo containing the National Register of Historic Places (NRHP) evaluation of the USGS National Wildlife Health Center (NWHC), located in Madison, Wisconsin. The NRHP Evaluation was prepared in support of an Environmental Impact Statement (EIS) being prepared in advance of the proposed undertaking to fulfill the requirements of the National Environmental Policy Act of 1969, as amended.

We are requesting consultation and comment on the proposed undertaking and as such have included a Request for SHPO Comment and Consultation on a Federal Undertaking Form with attached supporting documentation.

We appreciate your assistance and look forward to your comments. Should you have any questions, please contact me at 916-606-7460 / email: [jsizemore@usgs.gov](mailto:jsizemore@usgs.gov).

Sincerely,

*Jordan Sizemore*

Jordan D. Sizemore, REM  
Environmental Protection Specialist  
U.S. Geological Survey



MEMO

DATE: December 13, 2022

TO: Kay Romanin, State Historic Preservation Office – Compliance, Wisconsin Historical Society via email at [compliance@wisconsinhistory.org](mailto:compliance@wisconsinhistory.org)

FROM: Kate Umlauf, Architectural Historian, WSP USA Inc.

**SUBJECT: Request for SHPO Comment and Consultation on Federal Undertaking: Proposed Modernization of USGS National Wildlife Health Center with National Register of Historic Places Evaluation**

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On behalf of the United States Geological Survey (USGS), WSP USA Inc. (WSP) is requesting Wisconsin State Historic Preservation Office (SHPO) comment and consultation on the proposed modernization of the National Wildlife Health Center (NWHC) in Madison, Dane County, Wisconsin (Figures 1 and 2). Attached supporting documentation includes a Request for SHPO Comment and Consultation on a Federal Undertaking Form (Attachment A) and a Wisconsin Historical Society – State Historic Preservation Office Determination of Eligibility Form (Revised 2022) for the NWHC (Attachment B).

The NWHC was established in 1975 as the first bio-medical laboratory dedicated to assessing the impact of disease on wildlife and identifying the role of various pathogens in contributing to wildlife losses. Designated as a “mission essential” facility, the NWHC remains today the only national center devoted to wildlife disease detection, control, and prevention in the United States. However, the age and space limitations of the present facility pose a growing challenge to the NWHC’s ability to perform its mission. The result is a need to design and construct a new facility to contemporary standards, thereby ensuring that the NWHC can continue to accomplish its mission successfully. The USGS, which oversees the NWHC, is proposing to construct and operate the new facility on the grounds of the present NWHC in Madison. Attachment C provides the conceptual project designs for the long-term modernization plan (USGS 2017). Redevelopment of the NWHC would result in the following actions:

- The City of Madison is planning to install a new traffic signal at the junction of Schroeder and Forward roads just west of the NWHC entryway. Since the volume of traffic along Schroeder Road has made it difficult for staff and visitors to safely arrive at and depart from the NWHC during peak hours, a proposed new entryway from Forward Road would be built.
- The current 98 parking spaces at the NWHC would be increased to 150 spaces to meet the needs of visitors, students, and peak staff attendance.
- All existing utilities would remain functional throughout the new NWHC construction and until all existing buildings are vacated and decommissioned.
- Bulk autoclaves and alkaline tissue digesters (or equivalent systems) would be used for animal waste disposal, eliminating the use of the current two incinerators.
- Two emergency generators would be installed in a proposed utility yard.

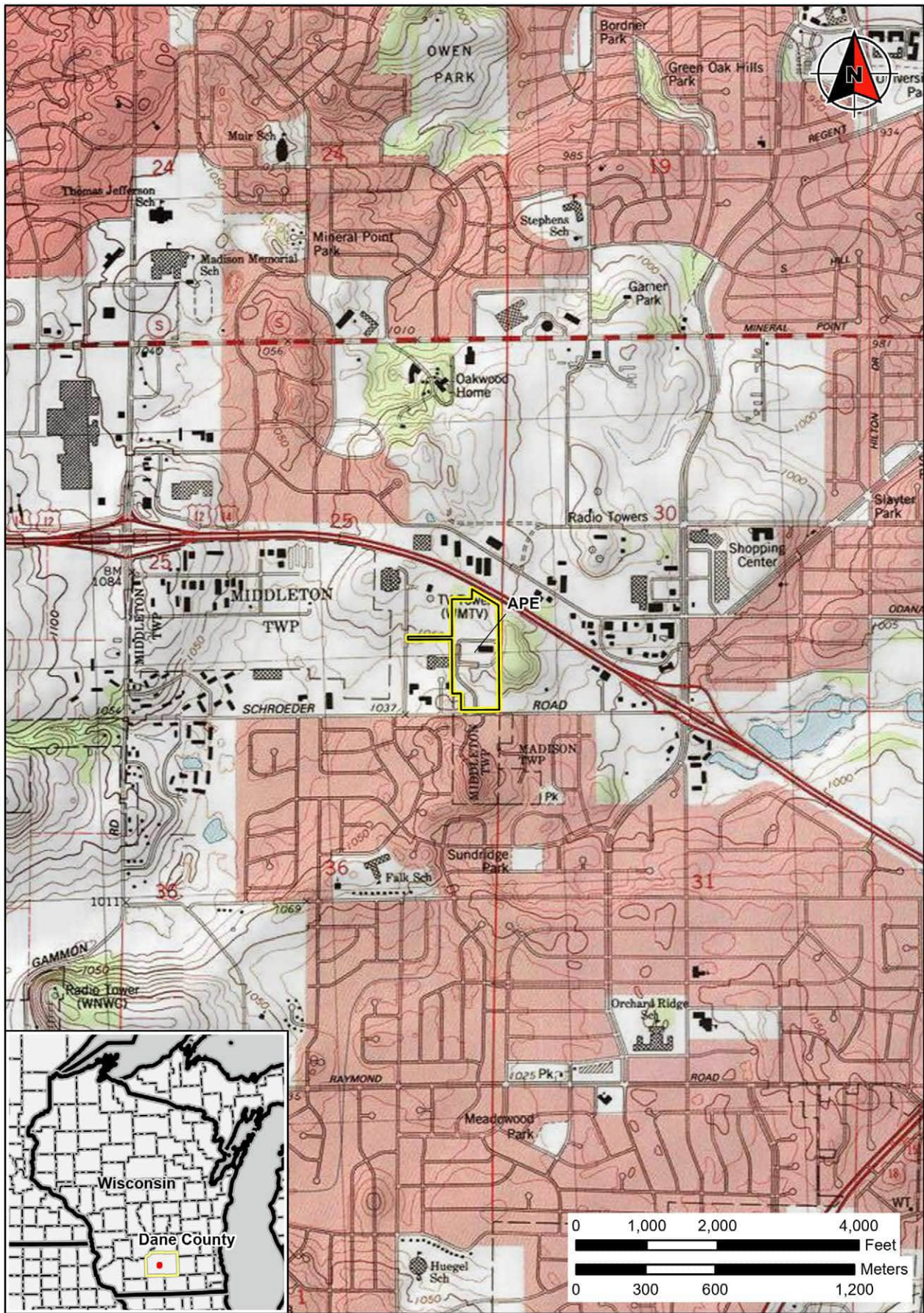


FIGURE 1: Project Location, Madison, Wisconsin (ESRI USA World Topo 2019)



FIGURE 2: Locations of NWHC Architectural and Non-Architectural Resources (ESRI World Imagery 2021)

- The maintenance garage would be expanded to accommodate expanded support functions.
- Energy-efficient lighting would be installed along internal walkways and parking areas, avoiding excessive illumination of adjacent areas.

In support of an Environmental Impact Statement (EIS) being prepared for the proposed modernization of the NWHC, WSP has completed a National Register of Historic Places (NRHP) evaluation of the NWHC to determine the potential for impacts to historic properties as a result of the undertaking.

As this memo will conclude, it is WSP's opinion that the NWHC is not eligible for inclusion in the NRHP.

## **INTRODUCTION**

The purpose of the NRHP evaluation was to provide a recommendation on the eligibility of the NWHC for listing in the NRHP. The facility contains three primary buildings: the Main Building (MB), the Tight Isolation Building (TIB), and a garage. The buildings were evaluated by applying the four evaluation criteria and seven integrity factors as outlined in *National Register Bulletin No. 15: How to Apply the National Register Criteria for Evaluation* (National Park Service [NPS] 1990). The NRHP evaluation comprised background research, architectural survey, review of the Wisconsin Historic Preservation Database (WHPD), archival research at the Wisconsin State Archives, and review of historic digital photography of NWHC buildings.

## **METHODOLOGY**

WSP conducted background research to produce appropriate historical overviews of the development, chronology of use, design, and construction of the NWHC facility with focus on the history and construction of the MB. WSP architectural historians reviewed historical newspapers, publications of the USGS, United States Congressional appropriation reports, annual reports from the NWHC, and architectural drawings and digital photographs of the facility provided by USGS.

WSP contacted and reviewed available sources at local, state, and federal repositories, including the Wisconsin State Historical Society Archives, the University of Wisconsin Archives, and the National Archives and Records Administration (NARA) at Chicago, Illinois. Correspondence records of the NWHC from the late 1990s were located at the Steenbock Library of the University of Wisconsin. No records pertaining to the NWHC were found at the Chicago NARA or at the Wisconsin State Historical Society Archives. Other key resources for contextual information included historical newspapers, annual reports from the NWHC, reports of the U.S. Fish and Wildlife Service (USFWS), appropriation reports of the USGS, U.S. Congressional Appropriation Hearings for the Department of the Interior and related agencies, and architectural drawings and digital photographs of the facility provided by USGS.

Under the supervision of WSP Manager of Historic Preservation Camilla McDonald, WSP Architectural Historian Kate Umlauf conducted the fieldwork for the NWHC on September 20 and 21, 2022. Architectural fieldwork was concurrent with a site visit by WSP Vice President and Project Manager Robert Nardi, and WSP Environmental Planner Jessica Forbes-Guerrero facilitated the first steps in developing the EIS.

Architectural fieldwork consisted of thorough investigation of the NWHC facilities—surveying and photographing the exteriors and interiors of the buildings, speaking with USGS property managers, and reviewing available onsite historical records and information, including building floor plans and historic photographs. Following fieldwork, architectural drawings of the proposed renovation of the MB in 1979 and as-built drawings of the TIB were provided to WSP by the USGS. During the site visit, the WSP



architectural historian visited the Wisconsin SHPO to review the WHPD to identify any previously recorded historic and archaeological resources located at the facility or surveys conducted there.

The background research and field survey provided data for evaluating the NWHC's potential eligibility for inclusion in the NRHP using the NRHP Criteria (36 Code of Federal Regulations [CFR] 60.4). According to the National Register Criteria, properties may be eligible for the NRHP if

- A. they are associated with events that have made a significant contribution to the broad patterns of our history,
- B. they are associated with the lives of significant persons in our past,
- C. they embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction, or
- D. they have yielded, or may be likely to yield, information important in history or prehistory (NPS 1990:7).

The facility was also evaluated under Criteria Consideration G for properties achieving significance within the past 50 years if they are of exceptional importance.

To aid in the evaluation, WSP used two resources produced by the United States General Services Administration (GSA): *Growth, Efficiency, and Modernism (GEM): GSA Buildings from the 1950s, 1960s, and 1970s* (GEM Book) (GSA 2001), which provides a historic context for GSA's modern buildings, and the *Determination of Eligibility Assessment Tool* (GSA 2021), a checklist intended to aid in the evaluation of significance for modern federal buildings. Although the NWHC was not designed by or leased by GSA, the facility shares similar architectural and historical characteristics to typical GSA buildings and modern federal buildings in general. These sources are specific to GSA, but they offer a framework for evaluating modest, modern federal buildings using a predeveloped historical context. WSP consulted with GSA Region 3 Historic Preservation Officer Donna Andrews on the use of the *Determination of Eligibility Assessment Tool* to assess non-GSA federal properties and determined its use appropriate for evaluating the NWHC.

This report was prepared in accordance with Section 106 of the National Historic Preservation Act of 1966, as amended; the Secretary of the Interior's Standards and Guidelines for Archeology and Historic Preservation of 1983 (48 *Federal Register* 44716), as amended; and *Intensive Survey Manual* (Wisconsin Historical Society 2022). The architectural historian who performed the evaluation exceeds the Professional Qualifications Standards specified in 36 CFR 61.

## **PREVIOUS CULTURAL RESOURCE SURVEYS**

WSP conducted an in-person review of the WHPD to identify previously recorded archaeological and architectural resources or previously conducted surveys at the NWHC.

### *Archaeological Results*

One archaeological investigation has been previously conducted at the NWHC (Table 1). The survey—*Archaeological Survey of Ansul Laboratory Site and Adjacent Woods* (Price 1977)—was conducted at NWHC in 1977 ahead of renovations to the MB and the construction of the TIB. Prior to the field investigations, the surveyors conducted background research and determined that no previously recorded

archaeological resources were located within the project area, as the only recorded site within the Section (Section 30) was 1.5 miles to the east. The survey involved the surface inspection of the entire area proposed for the construction of the TIB (an approximately 12-acre area north of the MB) and subsurface investigation at 20-meter intervals. An additional 10-acre tract of woods was inspected on the surface and with six test pits at the south end of the tract near Schroeder Road. The archaeological investigation did not locate any archaeological or historical resources in the project area, and it was determined that no cultural resources would be damaged as a result of the proposed undertaking (Price 1977). A copy of this survey is included with this memorandum for reference (Attachment H).

TABLE 1: LIST OF PREVIOUSLY RECORDED ARCHAEOLOGICAL SURVEYS AT AND IN THE VICINITY OF THE NWHC

ARI NUMBER	REPORT TITLE	REPORT YEAR	RESULTS
573	<i>Archaeological Survey of the Ansul Laboratory Site and Adjacent Woods</i>	1977	No evidence of archaeological remains.

### *Architectural Results*

No architectural surveys or evaluations have previously been conducted at the NWHC facility.

## **HISTORIC AND ARCHITECTURAL CONTEXT**

### *Historical Overview of the Development of the NWHC*

This section provides a historical overview of the development of the NWHC, spanning Ansul Laboratories and the establishment of the NWHC from 1975 to 1977, USFWS operation and NWHC expansion from 1978 to 1992, and USGS operation of the NWHC from 1993 to the present.

### **Ansul Laboratories and Establishment of the NWHC (1975 to 1977)**

Ansul Chemical Company (Ansul), also known as Ansul Laboratories or the Ansul Research Center, operated at 6006 Schroeder Road from 1969 to 1974. The company was originally formed in 1916 in Marinette, Wisconsin, as a manufacturer of fire protection products and industrial and agricultural chemicals, but a new facility was eventually built in Madison to “bolster [the company’s] marketing and development activities” (*Wisconsin State Journal [WSJ]* 1969). Construction of the new laboratory began in 1968 with a projected opening in September 1969. The company hoped Ansul scientists at the new facility would benefit from proximity to the resources of the University of Wisconsin, Madison. Ansul also had long-term plans to develop the land surrounding the building into a prairie ecology with native Wisconsin plants (*WSJ* 1969). In 1970, *The Capital Times* reported on the opening of the company’s 25,000-square-foot brick research center at 6006 Schroeder Road in 1969 (*The Capital Times* 1970). Work at the center included “applied research in the areas of new fire extinguisher agents and agricultural chemicals, with emphasis on herbicides and growth regulating chemicals” (*The Capital Times* 1970). Those employed at the facility worked as analytical, organic, and physical chemists, biochemists, and engineers. At the time this facility opened, Ansul operated from its headquarters in Marinette and subsidiary locations in Belgium, the Netherlands, Canada, Mexico, and Venezuela (*WSJ* 1969).

In its short existence at 6006 Schroeder Road, Ansul was the subject of controversy and had major incidents at the facility. Newspaper articles from the 1970s commonly reported chemical fires at the facility causing extensive damage, speculatively caused by firebombing or arson (*WSJ* 1970a, 1970c). In January 1971, attendees of a Chicago scientific convention accused Ansul of producing and selling

herbicides to the government that might have been used in the Vietnam War and caused stillbirths and birth defects in victims (*The Capital Times* 1971). Nothing appears to have come from these accusations.

Ansul did not make alterations to the laboratory building during its tenure; however, landscape changes were made in 1970. Construction of frontage roads on the Beltline Highway resulted in the transplanting of approximately 400 trees from the construction project area to the Ansul Chemical Co. property (*WSJ* 1970b). The motivations of the chemical company to acquire these trees are not clear. The decision possibly falls in line with the company's intent to restore native vegetation to the property.

Ansul's stay at Schroeder Road ended in 1974 when Schroeder Park Square, a joint venture company, purchased the property. The building then sat vacant for three years prior to USFWS ownership (*WSJ* 1977b).

In June of 1975, the USFWS established the National Wildlife Health Laboratory, also referred to as the Fish and Wildlife Health Laboratory, on the University of Wisconsin, Madison campus and on two other temporary locations in Madison provided by the State of Wisconsin (United States Congress 1978:399). This formed a federal research site that consolidated USFWS wildlife health programs from around the country (*WSJ* 1977c). However, when needed for use by the University and the State, the spaces could no longer be used by the agency and a new facility was needed. In the spring of 1977, the *WSJ* reported that a U.S. House of Representatives Appropriations Subcommittee approved \$2.83 million for the purchase and renovation of a permanent site in Madison for the National Fish and Wildlife Health Laboratory (*WSJ* 1977a, 1977c). The USFWS planned to purchase the property at 6006 Schroeder Road and convert it into a laboratory suited for the research and prevention of disease in wildlife.

### **USFWS Operation and NWHC Expansion (1978 to 1992)**

The USFWS reportedly purchased the Ansul building and adjacent 23 acres for \$1.1 million, leaving over \$1 million of the initial funds available for renovation. Renovations aimed to further consolidate wildlife health programs in the state, such as postmortem wildlife examinations previously conducted by the Central Animal Health Laboratory operated by the Wisconsin state Department of Agriculture (*WSJ* 1979). At the time of purchase, the USFWS estimated an additional \$5.4 million would be needed to complete the facility.

After the building's purchase in 1978, the Denver Engineering Center of the USFWS developed plans for remodeling the National Wildlife Health Lab. The plans were completed in May 1979; in July, the USFWS contracted Hooper Construction Co. of Madison, Wisconsin, to begin the renovation of the Ansul Laboratory to become the existing MB of NWHC (*WSJ* 1979). Funds were requested from Congress in 1978 for fiscal year 1979 for the construction of a separate tight isolation facility and for the development of an entrance road, park, and landscaping at the Schroeder Road site (United States Congress 1978:399).

The USFWS dedicated the NWHC MB in 1983 upon completion (Figure 3). At a cost of \$6.4 million, the upgraded facility was compared as equivalent to the Center for Disease Control in Atlanta, Georgia, and the United States Department of Agriculture's (USDA's) National Animal Disease Center in Ames, Iowa, for domestic livestock (*The Capital Times* 1983). Between 1975 and 1983 the NWHC had grown from three to 30 employees and served as the only federal laboratory in the country with a primary orientation to the control of diseases of wildlife for the sake of wildlife.

Operation of the facility required annual budget appropriations for the USFWS. In 1982, operating costs were approved for \$1.06 million for use in 1983. In the same year, Congress approved \$2.7 million for the construction of the TIB, a separate isolation facility for infectious disease research (*WSJ* 1982b). Despite these funding successes, the laboratory faced threats of closure in its early years of operation at



FIGURE 3: Photograph of Dr. Milton Friend, Director of the National Wildlife Health Laboratory, and Christopher Brand Showing a Bald Eagle at NWHC in 1983 (*The Capital Times* 1983)

the Schroeder Road site. The U.S. Department of the Interior proposed closure of the facility in 1981 as a cost saving measure and again in 1982 by removing it from the department budget as a whole. Those in favor of closing the facility cited the existence of other wildlife research centers, such as the Patuxent Wildlife Resource Center in Laurel, Maryland, and the Denver Wildlife Research Center in Colorado, which could potentially handle the work of the NWHC. Ultimately, Representative Kastenmeier lobbied for the importance of the NWHC as a unique facility that deals with wildlife health rather than wildlife disease threats to humans or livestock and successfully reinstated the NWHC budget for the year 1983 (*WSJ* 1982a).

The TIB building was completed in 1985, modified in 1989, and dedicated in August 1990 (NWHC 1994:19) (Figure 4). This building provided state-of-the-art biocontainment facilities required for live animal work with highly infectious and hazardous disease agents. The separation of the TIB from the MB was intentional to provide an added barrier against cross-contamination (NWHC 1994:1, 19). A third administrative building proposed by the USFWS for the NWHC was never constructed.

### **USGS Operation of the NWHC (1993 to Present)**

In 1993, the United States Department of the Interior transferred the NWHC from the USFWS to the National Biological Survey (NBS), later changed to National Biological Service. NBS formed in 1993 through the consolidation of certain biological research functions of the USFWS, including the NWHC, NPS, Bureau of Land Management, Minerals Management Service, Office of Surface Mining Reclamation and Enforcement, USGS, and Bureau of Reclamation. In 1996, the Department of the Interior transferred NBS to the USGS and renamed NBS to the Biological Resources Division (Western Ecological Resource Center 2022). Since 1996, NWHC has been operated by the USGS (NWHC 2022).

### *Federal Wildlife Disease Research (1886 to Present)*

According to the USGS, wildlife disease was largely ignored in the U.S. until the early 1900s. Prior to the turn of the century, federal involvement in wildlife and human relationships stemmed from the work of the USDA Bureau of Biological Survey. Laboratory experiments began in 1905 on the control of rodents and damage to agricultural resources. According to former director of the National Wildlife Research Center, Richard Curnow, these activities were headquartered in a laboratory in Albuquerque, New Mexico, until the lab moved in 1920 to Denver, Colorado, known then as the Control Methods Research Laboratory (Curnow 1996:6). Other sources identify the lab as having opened in New Mexico in 1920 and moved to Denver in 1922 (Denver Wildlife Research Center [DWRC] 1968). Nevertheless, this laboratory seems to represent the earliest federal wildlife research center in the United States. Research at this lab in the 1920s centered on the study of wildlife food habits, particularly the consumption of foods with botulism. As such, a food habits laboratory opened at the Denver location in 1931 to continue the research. In August 1940, the USDA Bureau of Biological Survey merged with the Bureau of Fisheries to form the Fish and Wildlife Service. At this time, the two Denver labs combined under the name Denver Wildlife Research Laboratory, later changed to Denver Wildlife Research Center in 1960 (Curnow 1996:6-7). Over many years of expanded and changing areas of research, today the center is housed on the Colorado State University's campus in Fort Collins and focuses on the effects of wildlife disease and patterns on agricultural resources and human life (Curnow 1996; Animal and Plant Health Inspection Service [APHIS] 2022).

The Patuxent Wildlife Research Center in Laurel, Maryland, recently merged with the Leetown Science Center to form the Eastern Ecological Science Center. It was originally established in 1936 as the first wildlife experiment station for the Bureau of Biological Survey in the United States and has since focused on the effects of wildlife disease and patterns on natural resources. In the early days of the station, investigations centered on food habits of wildlife and then transitioned to the effects of farming on wildlife

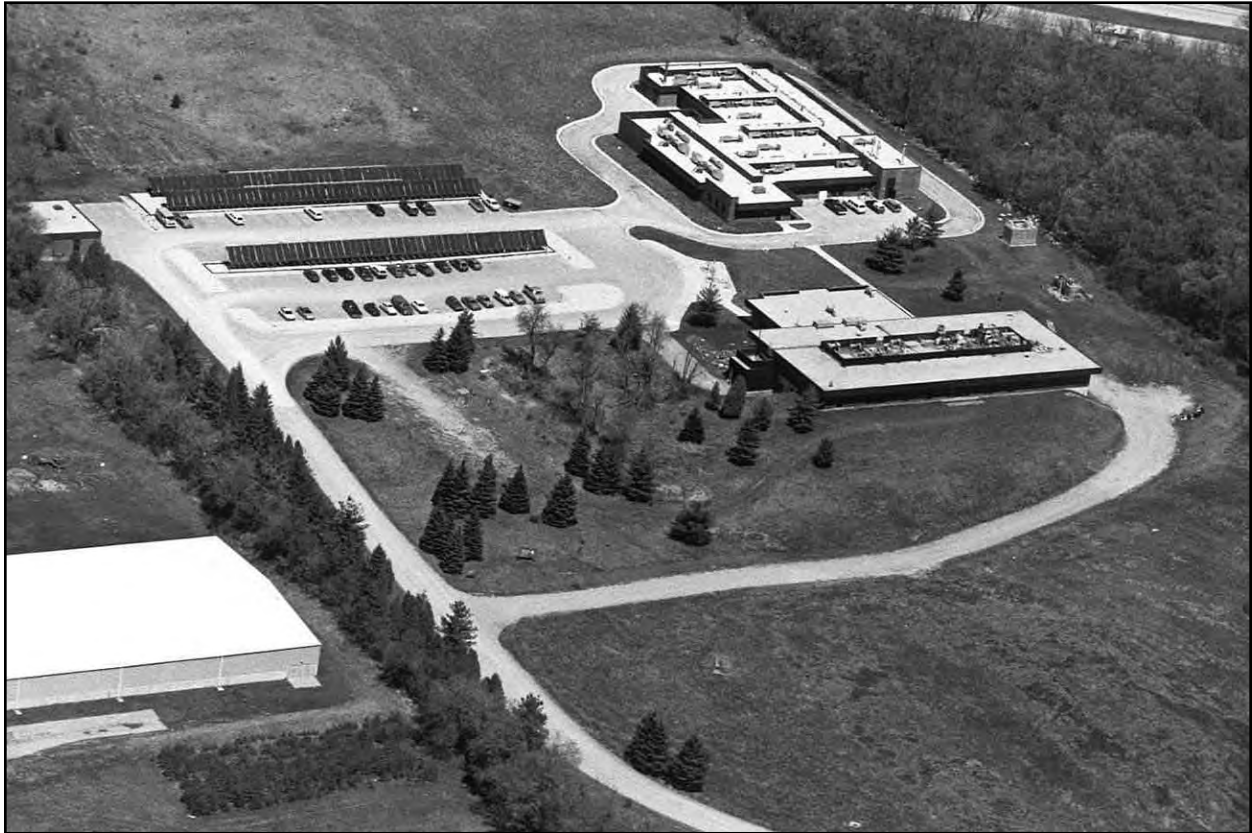


FIGURE 4: Aerial Photograph of NWHC Main Building and Tight Isolation Building with View of Facility Garage and Parking Lot with Solar Panels, 1988 (NWHC Facility Records)

after World War II—in particular, the use of DDT (Trauger and Noon 1989:4-7).

In the 1930s and 1940s the federal government had around one dozen locations across the country where wildlife disease research took place, yet no comprehensive agency program to lead it (NWHC 2018). This landscape of national wildlife research scattered among various federal agencies around the country would not change until the establishment of the NWHC when functions of existing research centers were transferred to the USFWS at the Madison location.

The NWHC formed in response to a catastrophic outbreak of duck plague in 1973 at the Lake Andes National Wildlife Refuge in South Dakota (NWHC 1994; Friend 2003:395; Friend and Pearson, 1973:315). Following the outbreak, an “external blue-ribbon committee” appointed by the USFWS evaluated the outbreak and recommended the development of a research facility to address wildlife disease issues (NWHC 1994:1). As described by Representative Kastenmeier to a U.S. House of Representative Subcommittee in 1978, “the Lab is responsible for all major wildlife disease activities carried out by the Fish and Wildlife Service. The [NWHC] serves several important missions. It determines the impact of disease on wildlife resources, principally waterfowl, but also other species, and identifies the role various pathogens have in contributing to these losses. In addition, the Lab develops effective means for disease prevention wherever possible, and it acts to significantly reduce wildlife losses when disease does erupt” (United States Congress 1978:398-399). The center integrates disease diagnosis, field response to disease outbreaks, research, animal welfare, and training of others in disease identification and control into its functions. Clients of the center include federal, state, and private sectors, all of which have contributed to the development of the NWHC as a major focal point for information, technical assistance, and research on wildlife health issues in the country (NWHC 1994).

The work of the NWHC has had a significant impact on the populations of wild animals since 1975, providing crucial information for the protection of human lives and the country’s natural and agricultural resources. Wildlife are often early indicators of problems in the environment; therefore, monitoring of disease and detailed investigations lead to a better understanding of how to prevent and manage adverse effects on our valuable resources.

Research and discovery highlights of the NWHC since 1975 includes the study of avian cholera in the early 1980s that determined the disease could spread from previously infected birds. It was thought to have been impossible for birds to survive the disease; therefore, the discovery of previous carriers was a major finding. The NWHC played a major role in the surveillance of West Nile virus (WNV) throughout the country in the early 2000s. WNV was first detected in the New York City area in 1999 and is known as one of the leading causes of mosquito-borne disease in the U.S. The NWHC immediately began surveillance die-off investigations and experimental studies to explore the effects of WNV on public health and wild bird populations. A major discovery of the NWHC occurred in 2008 when scientists identified the fungus that causes white-nose syndrome (WNS) in bats, a widely known disease that has affected millions of bats in the U.S. Table 2 lists highlighted investigations and discoveries of the NWHC since 1975.

TABLE 2: LIST OF NWHC RESEARCH HIGHLIGHTS SINCE 1975

YEAR	NAME/SUBJECT	RESULTS
Early 1980s	Avian cholera	Three-year study determined the prevalence of cholera in the wild is caused by birds that previously survived the disease, which was previously thought not be possible.
1982	Plants and lichens	Plants and lichen studied to document the effects of air pollution.
1983-1985	Lead poisoning	Study led to a ban on toxic lead shot for hunting.
1989	Exxon-Valdez oil spill	Investigation into the extreme die-offs linked to the oil spill aided in \$150 million settlement between Exxon and the U.S. Government.
1992-1998	California sea otter study	Investigation into high numbers of sea otter mortality linked to parasitic, fungal, or bacterial infections.
1994	Avian vacuolar myelinopathy (AVM)	Investigation of the death of 29 bald eagles in Arkansas led to identification of AVM, a neurological disease now monitored to characterize environmental factors that lead to the disease.
1996	Type C botulism	Investigation into a large outbreak of avian botulism in California birds and the role of fish in the disease.
1998	Amphibian malformations	Investigation into the increase in frog malformations linked to environmental factors.
1999	WNV	Surveillance, die-off investigations, and experimental studies of WNV since detection in New York City in 1999.
1999	Avian botulism	Developed a model for the disease.
2001	Plague immunization	Study into the plague of black-footed ferrets and prairie dogs and the feasibility of immunization.
2002	Chronic wasting disease (CWD)	Disease of the nervous system in deer and elk researched by the NWHC.
2004	Mississippi gopher frog	Discovery of a new infectious agent that nearly decimated the endangered Mississippi gopher frog.
2004	WNV	WNV was detected in several new species of wild birds in the Dakotas and the southeast. New diagnostic test developed for WNV in bird carcasses.
2006-present	Highly pathogenic avian influenza (HPAI)	Research, detection, and characterization of HPAI in wildlife and the environment.
2007-2008	WNS in bats	Discovered the fungus causing WNS, a devastating disease affecting millions of bats.
2018-present	WNS response	Detection, monitoring, treatment, assessment of impacts, and adaptive management continues by NWHC scientists.
2020	Rabbit hemorrhagic disease virus 2	Investigation and testing of disease.
2021	SARS-CoV-2 in wildlife	NWHC assess the prevalence of SARS-CoV-2 in wildlife.

Sources: USGS 2009, 2018; Hopkins and Soileau 2018; Harris et al. 2015; NWHC 2021.



The Patuxent Wildlife Research Center on the Patuxent Wildlife Refuge offers an architectural comparison for the NWHC facility. The Patuxent Center operates from several buildings, one of which is the 1969 Gabrielson Laboratory built during a construction phase that accounts for multiple Patuxent Center laboratories built between 1963 and 1970 (Trauger and Noon 1989:3) (Figure 5). The Gabrielson Laboratory remains the largest building used at the research center. Three additional research buildings that date to 1941, the Merriam, Henshaw, and Nelson Laboratories, are retained as those first constructed for the research center (Trauger and Noon 1989:3).



FIGURE 5: Illustration of the Gabrielson Laboratory, Patuxent Wildlife Research Center, Laurel, Maryland, 1969 (Wildlife Management Initiative 1969)

### *Architectural Context*

The administration of President John F. Kennedy ushered in a new era of federal building design. In 1962 Kennedy appointed an ad hoc committee to carry out a survey of the government's long-term space needs in the area of Washington, D.C. The committee's report, *Guiding Principles for Federal Architecture*, was completed in 1962 and written by Daniel Patrick Moynihan (GSA 2019). These principles solidified the design directives which the federal government continues to follow in the construction of federal buildings. At the core of the three stated architectural principles is a two-part design principle to be met by each design:

First, it must provide efficient and economical facilities for the use of Government agencies.  
Second, it must provide visual testimony to the dignity, enterprise, vigor, and stability of the American Government (GSA 2019).

The committee made clear that this directive did not require excessively extravagant designs. Rather, the architecture should simply convey the dignified presence of the federal government in the community. Designs were to incorporate modern, local, and regional architectural traditions, and be functional, accessible, and constructed of dependable materials. An official federal architectural style was to be avoided, instead leaving the architectural trends of the period to the discretion and artistry of the architects. The committee hoped to steer the government away from commonplace, uniform designs while maintaining efficiency and economy.

The new principles encouraged agencies to continue a practice of using private architectural firms in hopes of inspiring innovative designs; however, many new public buildings continued to resemble private sector buildings, an issue of federal building design since the early 1950s and one the principles intended to solve. As stated in GSA's GEM Book,

For the most part, buildings that were constructed after the issuance of the ‘Guiding Principles for Federal Architecture’ were less ornate and monumental than those of previous decades, yet they retained a formality – often through the use of symmetry and scale – that would not be as prevalent in public buildings of the 1980s and 90s. While most noticeable improvements in Federal design occurred in Washington, and other large cities...the exact extent to which Kennedy’s initiative spread to other regions of the United States remains less clear but appears to be minimal (GSA 2001:45).

During the 1970s, particularly after the 1973 oil crisis, energy conservation mandates shaped federal building designs. Windows, insulation lighting, and HVAC systems were designed to reduce or minimize energy consumption (GSA 2001:75). Under the administrative lead of Robert L. Kunzig, appointed in 1969 by President Richard Nixon, construction management shifted to a phased approach, which allowed construction to begin prior to the completion of the design, reducing the overall time for construction. In addition, more attention was given to budgets and long-term investments in buildings (GSA 2001:52).





In 1972 U.S. Congress passed the Public Building Amendments of 1972 (Public Law 92-313). These amendments to the Public Buildings Act of 1959 (Public Law 86-249) were the first to legislate the quality of design expected for federal buildings. This law directed agencies to “give due consideration to excellence of architecture and design” and was quickly followed by the Brooks Act of 1972, which required agencies to consider only the qualifications of architects without consideration of fees (GSA 2001:55). Daniel Patrick Moynihan, author of the 1962 *Guiding Principles for Federal Architecture*, further advocated for the improvement of federal buildings when he sponsored the Public Buildings Amendments of 1988 (Public Law 100-678). The 1988 amendments sought to improve the efficiency and effectiveness of management of public buildings by, among other provisions, requiring the Administrator of General Services to establish detailed specification requirements for any new building or leased space.


This period of federal architectural design has evoked mixed reactions. Some critics note a lack of quality and innovation, citing bland exteriors and impersonal feelings evoked by the buildings, whereas others commend the designs as “cost-conscious, non-authoritarian, sensitive, and inclusive,” citing their accessibility, clear glass for views of the interiors, and inviting landscaping (GSA 2001:55). The USFWS acquired the NWHC Ansel Laboratory building late in this period of federal architectural design and did not involve GSA in the acquisition or renovation. GSA had assumed responsibility for construction of federal buildings in 1959 through the Public Buildings Act and typically relied on private architects to design new buildings. The choice of the USFWS to purchase an existing, private sector property for renovation and future development was unique. While these facts somewhat remove the NWHC facility from association with federal architecture of the 1950s, 1960s, and 1970s, the building’s appearance and features do seem to adhere to several of the guiding principles of 1962. The 1969 Ansel building already took on a similar style to modern federal buildings—an expected comparison, given that federal agencies were frequently criticized for designing buildings that resembled private sector buildings (GSA 2001:45). Therefore, the 1980s renovations to the building in its transition to a federal use retained a “federal” feel without many changes made to the exterior.

## **ARCHITECTURAL DESCRIPTION**

Table 3 lists the buildings and structures surveyed at the NWHC (see locations depicted by Map ID on Figure 2). Figure 2 shows the location of each building within the property parcel boundaries and additional non-architectural resources on the property. Detailed descriptions of each building are provided in this section of the memorandum.

TABLE 3: LIST OF SURVEYED BUILT ENVIRONMENT RESOURCES AT NWHC

MAP ID	NAME	YEAR BUILT	PRIMARY PHOTO
1	Main Building	1969	 A wide-angle photograph of a large, multi-story brick building with a flat roof, situated behind a paved parking lot. A tall utility pole stands in the foreground, and a large evergreen tree is on the right side of the frame.
2	Tight Isolation Building	1985	 A single-story brick building with a low profile and a flat roof. It features several windows and a small overhang. The building is set on a grassy area next to a paved road.
3	Garage	1985	 A brick building with a dark, gabled roof and two large open bays, serving as a garage. It is surrounded by trees and a paved driveway.
4	TIB Refrigeration Unit	ca. 2000	 A close-up view of a large, industrial refrigeration unit with various pipes and components, located outdoors next to a brick building.

MAP ID	NAME	YEAR BUILT	PRIMARY PHOTO
5	Modular Office Building	ca. 2005	
6	Storage Shed	ca. 2017	
7	Prairie Welcome Sign	ca. 2005	
8	Prairie Entrance Shed	ca. 2005	
9	Entrance Gate	ca. 2007/2021	

## *Setting*

The NWHC is approximately 5 miles southwest of the City of Madison, Wisconsin, and contains three primary buildings constructed between 1969 and 1985: the MB constructed in 1969, the TIB constructed in 1985, and a garage constructed in 1985. Additional buildings and structures include three small sheds, a temporary, modular office building, an entrance gate, and an informational sign. The property is entirely surrounded by dense wooded vegetation and in a suburban residential and commercial area, bound to the north by the West Beltline Highway and to the south by Schroeder Road. The parcel to the east contains a large apartment building development and parcels to the west contain the Bill Lister Memorial Field, the Madison Ice Arena, a commercial storage facility, a church, and a small residential lot at the southwest corner of the NWHC property.

At Schroeder Road, a stone and metal entrance gate provides access to the 24.3-acre NWHC property, which features a curved asphalt-paved entrance road, approximately 4.9 acres of restored prairie, a gravel driveway extending to the rear (south) and east elevations of the MB, an asphalt-paved main parking lot, and a secondary gravel parking lot providing public access to the prairie. The primary buildings are clustered around the main parking lot near the northern edge of the parcel. The prairie occupies the southern half of the parcel, while a mix of wooded acres and tall-grass acres cover the remaining areas north of the buildings.

### *Main Building (Ansul Laboratory, 1969; USFWS Remodel 1978)*

The MB at the NWHC was constructed as the Ansul Laboratory in 1969. The building served as a chemical research center and fire protection product manufacturing facility until 1974 when the Schroeder Park Square joint venture purchased the property, after which it sat vacant for three years. After purchasing the property in 1978, the USFWS developed renovation plans to equip the center with necropsy and associated disease diagnostic laboratories, general support laboratories for biological media and reagent preparation, glassware preparation, and other special use areas. The MB was also designed to house administrative support areas, conference rooms, a library, staff offices, data processing, and a records area. This renovation accounts for the existing footprint of the building, which differs slightly from the original 1969 plan of the building. The renovation, completed in 1983, involved additions and reorientation of the main entry, extensive partitioning of the basement and first and second floors, creation of state-of-the-art laboratories, and the installation of new mechanical, electrical, and plumbing throughout the building (Figures 6 and 7). The USFWS also installed a passive solar system using a special Department of Energy grant to fund a system that preheated water for the building boilers. Other energy saving innovations installed at the MB included heat recovery devices and options for shifting the heating fuel for the building between oil or natural gas (NWHC 1994:21).

The original 1969 building consisted only of the central rectangular portion of the structure, not including the existing north elevation projection and entry and small additions to the east and west elevations (Figure 8). Between 1979 and 1980, USFWS completed renovations to the interior and exterior of the building. The exterior renovations generally matched the architectural features of the original building. The exterior of the MB has not changed since the 1980s renovation (see Figure 8).

The one-story building stands on a concrete foundation, with full basement, consisting of pier footings and a poured concrete slab. The building has exterior walls of red brick veneer laid in running bond with a course of header bricks at the top course below the roof. The building has an irregular plan with a steel frame flat roof with wide partial overhangs placed above window walls. The overhangs are clad in sheet metal and feature concrete panels on the undersides visible from below. The main entry block, constructed in the 1980s renovation, occupies an L at the northwestern corner of the building. It consists of full-glass double doors with transom facing north and recessed from the façade wall. Metal frame ribbon windows

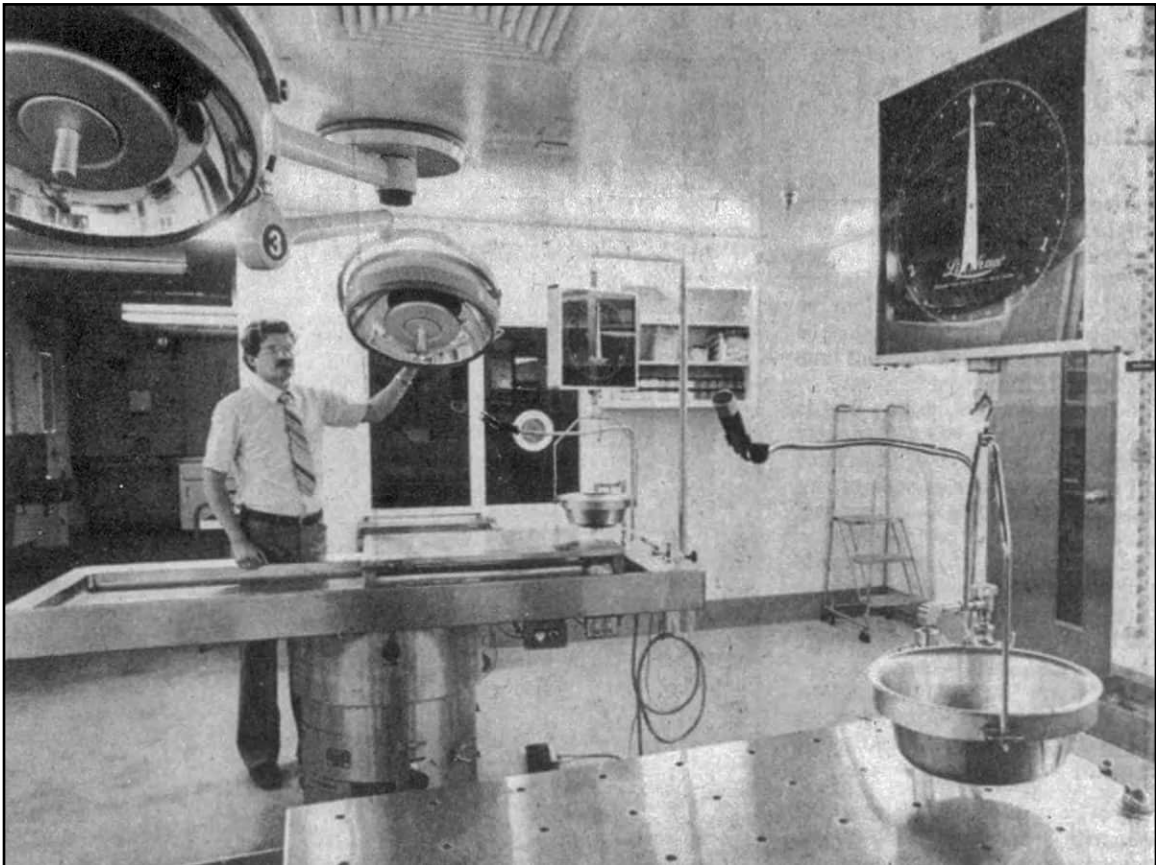


FIGURE 6: Photograph of NWHC Necropsy Room (*The Capital Times* 1983)

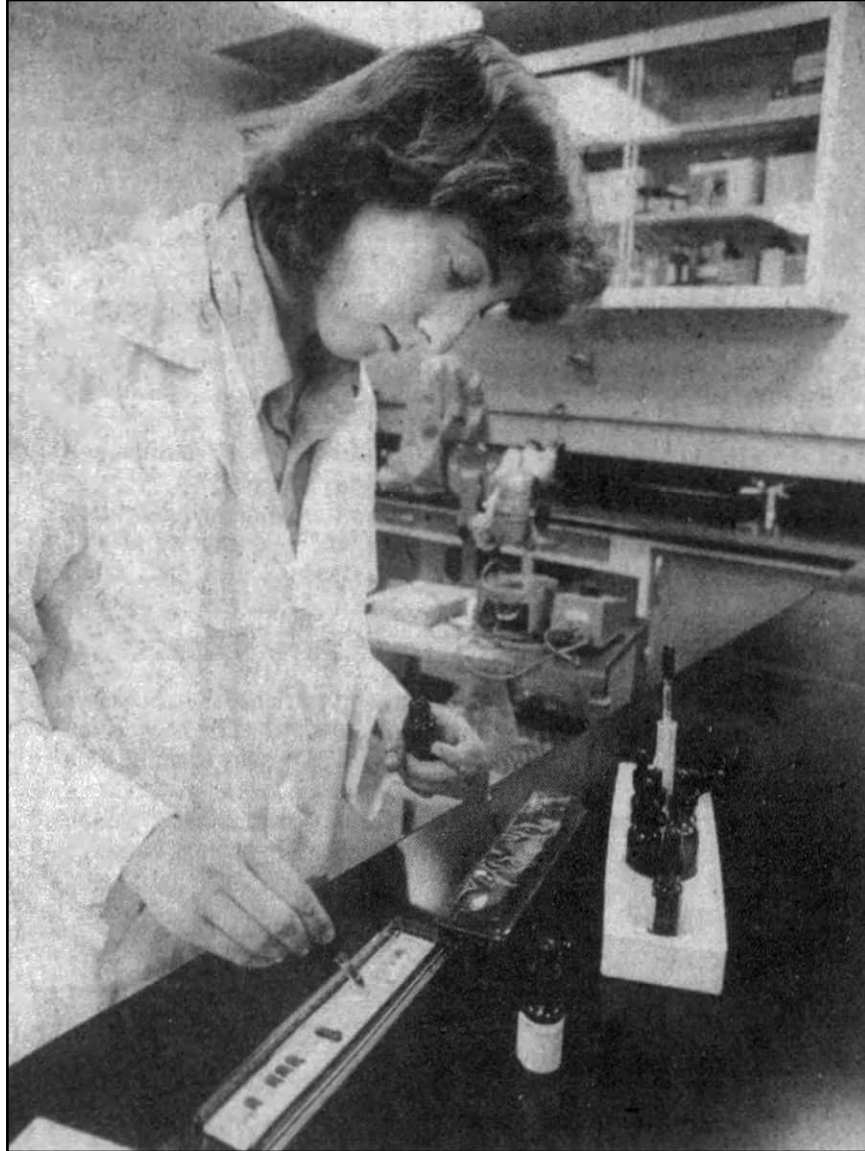


FIGURE 7: Photograph of Renee Sandler Completing Lab Testing at NWHC (*The Capital Times* 1983)



FIGURE 8: Aerial Photograph of NWHC Main Building, ca. 1980 (NWHC Facility Records)



fill the upper half of the western wall of the entry block, all of which is contained underneath an extra-wide overhang supported by a single square post at the northwestern corner of the building.

The northern addition to the building formed a new façade, offset on the original north elevation. The addition has a symmetrical design featuring a central bay of floor-to-ceiling metal frame windows below a metal overhang. The bay of windows is flanked by seamless sections of brick lacking fenestration. Around the east elevation of the northern addition are two offset window wall bays, each containing a full-glass entry door with transom. Most of this elevation features a roof overhang that continues onto the north elevation of the original building block. This wall lacks fenestration. The overhang is bisected by a tall, square, brick chimney near the eastern end of the building.

The roof overhang continues around the east elevation of the building, which reveals the basement foundation wall and 1980s addition. The one-story addition to the east elevation of the building has two rectangular sections constructed of concrete block with flat roofs and metal coping. The northernmost section contains an overhead garage door and two solid single-leaf entry doors providing access to delivery rooms. The southernmost section rises taller than the northernmost section and only contains a single entry vestibule at its south elevation providing exterior access to the incinerator room. A tall metal vent stack rises from the roof of the incinerator room.

The south elevation of the building originally functioned as the main façade. It has a central entry bay consisting of double full-glass doors with transom flanked by sections of floor-to-ceiling metal frame windows and outer brick bays. As on the other original building block elevations, the roof overhang runs continuously across the south elevation.

The west elevation contains a small single-story addition at the basement level clad in metal paneled siding and set on a poured concrete foundation. This addition projects from the northern end of the elevation leaving original windows and louvers visible to the south.

The main floor interior of the NWHC MB is composed of two sections: the office/administrative side and the laboratory side. The administrative section includes the reception space, conference rooms, and breakroom within the northern addition to the building, and layout of offices in the western two-thirds of the original building block. Two primary hallways extend from west to east, providing access to the offices and entry to the laboratories at the eastern end of the main floor. Interior finishes on the administrative side include terrazzo or carpeted flooring, rubber wall base, smooth finish plasterboard walls, and dropped acoustic panel ceiling tiles. The laboratory section contains three large laboratory rooms: one for parasitology, one for microbiology, and one for virology. Smaller support rooms are arranged in between these larger laboratories, and all are accessed by a U-shaped hallway. Interior finishes of the laboratory side include epoxy flooring and wall base, metal doors, and concrete block walls.

#### *Tight Isolation Building (1985; Modified 1989)*

The TIB is approximately 150 feet northeast of the MB. The TIB contains specialized research laboratories and support areas, offices for investigators, and a biocontainment animal research area. The animal isolation wing is self-contained with cage and glassware cleaning, necropsy, and incineration facilities. Entry into the area requires use of specialized clothing and footwear, changes of clothing and footwear for each room entered, and a mandatory shower upon exiting from the animal area. The animal area was not surveyed as part of this study given these entry restrictions.

The 1984 architectural plans for the TIB depict the NWHC facility site, including the building footprints, as they exist today (Figure 9). The one-story TIB stands on a concrete foundation consisting of pier footings and a poured concrete slab and has exterior walls of red brick veneer laid in running bond. The

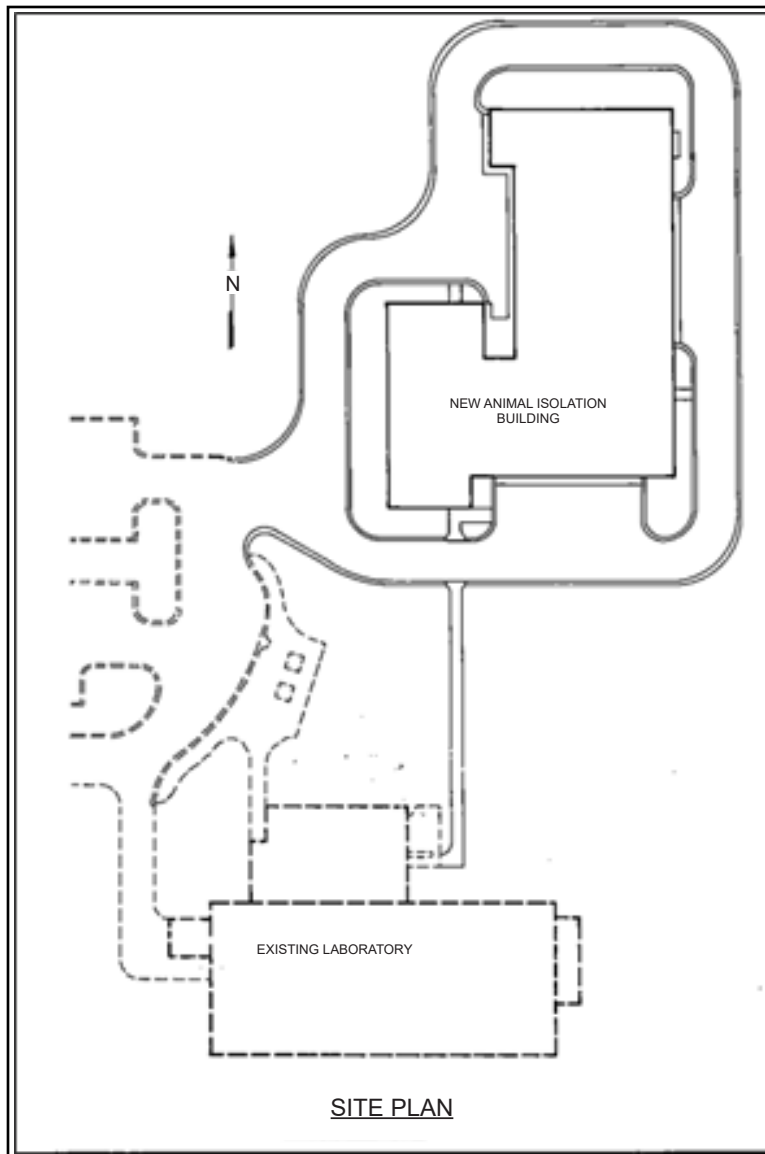


FIGURE 9: Architectural Drawing of NWHC Site Plan for Construction of the TIB, 1984 (USFWS 1984)

building has an irregular plan with a steel frame flat roof with side partial width overhangs placed asymmetrically along the elevations. The overhangs are clad in sheet metal and feature concrete panels on the undersides visible from below. The façade is formed from a projecting wall at the western third of the south elevation. The remaining portions of the south elevation are set back behind the modular office building. The four bay façade has a full-glass single-leaf entry door placed east of three, two-part metal frame windows with brick header sills. These windows repeat at the southern end of the west elevation. The remainder of the building lacks windows and contains limited access doors in keeping with the use of the building for isolation purposes.

A metal clad refrigeration structure (ca. 2000) with a low-pitched gable roof is located off the west elevation of the TIB. A few years after the refrigeration unit was constructed, the NWHC brought a modular office building (ca. 2005) to the property. The modular office building is in front of the eastern two-thirds of the south elevation and has a rectangular plan, low-pitched gable roof, vinyl siding, and one-over-one vinyl sash windows.

### *Other Buildings*

The remaining secondary buildings at the NWHC are all less than 50 years of age. The brick garage (1985) has a rectangular plan, concrete foundation, flat roof clad in sheet metal, recessed vertical window bays, and large overhead garage doors. The building stands approximately 390 feet west of the TIB and across the parking lot. A small metal storage shed (ca. 2017) stands approximately 30 feet north of the garage. A small gravel parking area south of the main parking lot and approximately 180 feet west of the MB contains a wood frame welcome sign (ca. 2005) and a small, prefabricated plastic shed (ca. 2005) at the entrance to the restored prairie and public trails. The welcome sign displays interpretive materials about the prairie and the National Wildlife Refuge system. Lastly, at the Schroeder Road entrance to the property, a metal entrance gate with stone side walls was constructed ca. 2007. The metal gates were replaced in 2021.

## **LAND USE AND SITE ANALYSIS**

Based on the description of the 1977 archaeological survey provided Attachment H, investigations focused on the portion of the parcel to the north and east of the original Ansul Laboratory facility, which would have included the current locations of the existing NWHC facilities and parking lot. Much of the proposed development would be restricted to the existing building and parking lot footprint, where no potential to affect intact archaeological resources remains because of significant disturbance from construction activities. A small section of the parcel to the north of the NWHC facility parking lot totaling less than 1 acre is slated to be developed as access road and a mechanical yard; this portion of the parcel would have been covered by the 1977 survey, and therefore no impacts are anticipated in this area as no archaeological resources were identified during the survey. Though the original survey used a 20-meter interval, rather than the current standard of 15 meters, the entire area was subjected to both a surface inspection and subsurface testing, and therefore it is WSP's opinion that the previous investigations would have been adequate to identify any archaeological resources within the surveyed area. One of the proposed site entrances and the internal service route would follow the route of the existing facility entrance, and therefore no impacts to archaeological resources are anticipated for those components.

A review of the available topographic mapping (USGS 1890, 1892, 1904, 1906, 1959, 1965, 1970) indicates that the vicinity of the project area was undeveloped but cleared of vegetation from the end of the nineteenth century through the third quarter of the twentieth century. Between 1965 and 1970, the quadrangle mapping has been photorevised with the locations of the Ansul building and access road. By 1983, a second service road (still extant) had been developed within the project area, while the current NWHC facilities were not yet depicted on the topographic mapping (USGS 1983). A review of the

available historic aerial imagery indicates that prior to 1969, the entire project area was in use as agricultural fields or pasture. Between 1960 and 1969, the Ansul laboratory facility building was constructed on the parcel, as were the baseball fields to the north of the proposed site entrance road. These baseball fields are still extant. The 1969 imagery depicts that a portion of the parcel to the west of the Ansul building was developed as a parking area and access road to the building, although it is not conclusive from the black-and-white imagery whether this area is dirt or gravel. By 1980, that parking area is mostly overgrown with grasses and shrubs, suggesting that it was a scraped surface or dirt lot. Post-1980 aerial imagery suggests that that small parking lot continued to be used as such at least intermittently, and by 2013 it has been paved, though the original access road from the parking lot to the building has reverted to vegetation. The remainder of the proposed areas for development of the 150-stall parking lot does not appear to have been significantly developed or disturbed between 1960 and the modern day based on the aerial imagery. The proposed new site entrance and retention pond areas also exhibit little evidence of development during that time period (NETR var.).

The remainder of the proposed development areas cover several discontinuous areas that total approximately 2.4 acres and comprise a proposed new 150-stall parking lot, a new site entrance road and utility access corridor, and the planned site for a retention pond, which would be connected to the main facility by a water line. Other planned utility installations generally run either through previously disturbed areas near or in the footprint of the existing facility, or through the proposed parking lot area. The new site entrance is west of the current facility and would connect Forward Drive with the new facility; the proposed parking lot would west of the original Ansul Laboratory building. These areas have not been previously subjected to archaeological survey, and therefore potential impacts to archaeological resources cannot be determined from the available data, though the 1977 survey to the north would suggest that the potential for archaeological resources to be present is low to moderate. The current soil survey data indicates that this part of the project area is on moraines or drumlin geological landforms composed of silt loams (McHenry, Dodge) or loam (Kidder), which may be shallow and eroded, with little potential for intact buried cultural depositions and a typical profile consisting of an A or Ap horizon overlying an E horizon underlain by a BE or Bt horizon. The Bt horizon is typically stacked and underlain by a C horizon (USDA-NRCS 2021).

## **NRHP EVALUATION OF NWHC**

WSP evaluated the eligibility of the NWHC for listing in the NRHP within the context of federal wildlife disease research and by applying the four Criteria of Evaluation as set forth in 36 CFR 60.4. The NWHC MB was constructed in 1969 by a private company under the name of Ansul Chemical Co. just over 50 years ago and qualifies for evaluation under the standard criteria; however, the significance of the facility is not associated with the period of ownership by Ansul Chemical Co. Rather, the significance of the facility is associated with its function and use by the federal government as a wildlife disease research center, which began in 1978 (less than 50 years ago) and continues to the present. Therefore, the NWHC was evaluated under Criteria Consideration G for properties achieving significance within the past 50 years, requiring exceptional significance for listing in the NRHP. The evaluation was guided by the *Determination of Eligibility Assessment Tool* (GSA 2021), which offers a defined framework for evaluating modern-era federal properties.

The TIB has associations with federal wildlife disease research beginning in 1985 when it was constructed. USFWS development plans for the building date to 1978, the time of the acquisition of the Schroeder Road site, and contribute to the overall ability of the NWHC to convey its associations with significant scientific studies and discoveries. While the TIB does contribute to the significance of the resource, the evaluation of the NWHC centers on the significance of the MB.

All remaining buildings of the NWHC were constructed between 1985 and ca. 2007; they do not appear to hold significance associated with federal wildlife disease research and should be considered non-contributing to the significance of the NWHC.

#### *Criterion A*

To be considered for listing under Criterion A, a property must be associated with one or more events important in the defined historic context. Modern-era federal buildings can be significant under Criterion A for associations with a significant public building program, design philosophy, public social or environmental programs, as a public building icon, or as the location of a historic action or event (GSA 2021).

The NWHC MB was not constructed by the federal government. The USFWS acquired the building in 1978 and immediately began its renovation for use as a wildlife research center. Funding for the project came from standard U.S. Congressional appropriations to the USFWS as part of the agency's annual budget requests, not associated with a significant public building program. Renovations to the MB in the early 1980s account for additions to three sides of the building, a new entry façade, and extensive alterations to the interior spaces to accommodate laboratories and administrative offices. These renovations were designed by the USFWS Denver Engineering Center, and the resulting building design does not appear to follow any specific federal design philosophies of the time. The NWHC MB renovation design did not alter the original design of the building to the extent that it conveys a strong sense of the federal government. The building does take on a sense of formality with its façade regularity and scale, particularly within its natural setting, but those characteristics existed prior to occupation and renovation by the government and are not associated with the period of significance for the NWHC (1978-present).

The NWHC reflects two social goals of the period: accessibility and energy efficiency. As stated in the *Guiding Principles for Federal Architecture*, “buildings should also be functional for users, including the handicapped [sic].” The renovations made to the MB and the design of the TIB accommodate disabled individuals both as guests of the facility and as employees with flat, ground floor entrances and elevator access on the interior. The USFWS also installed a passive solar system in the facility parking lot using a special Department of Energy grant to preheat water for the building boilers. Other energy saving innovations installed at the MB included heat recovery devices and options for heating the building with oil or natural gas (NWHC 1994:21). The building meets the social goals of accessibility and energy efficiency in federal buildings and is an adequate example of the basic design principles espoused by the federal government as a whole.

The NWHC is considered a symbol of the federal government locally in Madison but is rather unknown to the public regionally or nationally and is not considered a public building icon. Characteristics that contribute to the recognition of the MB as a symbol of the federal government include the USGS signage attached to the façade identifying the building as the “United States Geological Survey National Wildlife Health Center” and the “Milton Friend Building.” The collective modern architectural style of federal buildings across the country from the 1950s to the 1980s also contributes to the recognition of the facility as a symbol of the federal government. The buildings, however, lack a connection to other government buildings in Madison as there are few nearby. The nearest federal building is a Post Office 1 mile away. Furthermore, the NWHC is set back over 800 feet from the road and is obstructed by heavy vegetation, making its prominence as a government building diminished. The NWHC is a symbol of the federal government, as a sign of the federal presence in a local community, but it is not a social focal point of the city, nor does it represent a significant symbol of the federal government because of its low profile architectural style.

Lastly, the NWHC is the site of scientific studies and discoveries significant to national history. For

example, the NWHC played a major role in the surveillance, die-off investigations, and experimental studies of WNV immediately following its detection in the New York City area in 1999. Since 1999, the NWHC has continually contributed to the understanding of the disease and its effects not only on wildlife but on public health. The NWHC is also known for its discovery in 2008 of the fungus that causes WNS in bats, a disease affecting millions of bats to date. These events, however, are either only moderately associated with the NWHC or they occurred within the last 20 years, and sufficient historical perspective does not exist to consider its significance within the context of federal wildlife disease research.

Therefore, it is WSP's opinion that the NWHC is not eligible under Criterion A as it does not have sufficient associations with significant federal building programs, it is not an example of architectural design using quality materials, and it is not associated with events important to the national history of federal wildlife disease research. The resource does not meet Criteria Consideration G as the events from the recent past do not rise to a level of exceptional significance as they relate to the NWHC Madison facility.

#### *Criterion B*

To be considered for listing under Criterion B, a property must be associated with the lives of persons significant to national, state, or local history. Modern-era federal buildings can be significant under Criterion B for associations to significant historical figures such as politicians and activists with a particular link to the property.

No associations with the NWHC to persons significant to federal wildlife disease research are known. Therefore, it is WSP's opinion that the NWHC is not eligible under Criterion B as it does not meet the requirements for listing in the NRHP for associations with significant individuals. The resource does not meet Criteria Consideration G, as there are no persons of exceptional significance associated with the NWHC from the recent past.

#### *Criterion C*

To be considered for listing under Criterion C, a property must embody distinctive characteristics of a type, period, or method of construction, represent the work of a master, possess high artistic values, or represent a significant and distinguishable entity as a grouping. A modern-era federal building can be significant under Criterion C if it is the work of a master architect, if it exemplifies modern-era or contemporary architectural styles, if it is a public building prototype, or it is part of a significant ensemble of public buildings.

Unlike most modern-era federal buildings, the NWHC MB and TIB were renovated and designed, respectively, by the USFWS Denver Engineering Center rather than by a private architectural firm.

The MB and TIB are examples of modern-era architecture with influences of the International Style, best exhibited by an absence of ornament, flat roof, uniform wall surfaces, and windows with minimal exterior reveals. Materials defining the style of the two buildings include running bond brick exterior walls and metal and concrete roofing materials. Other features defining the style and period of the buildings include the wide roof overhangs, entry canopies, and overall lack of ornamentation.

Although the NWHC MB and TIB are adequate examples of modern-era architecture, they are undistinguished and typical examples that use standard technology and materials. The renovation of the MB and construction of the TIB are typical of the 1980s, lacking exceptional design qualities, and do not represent ground-breaking design locally, regionally, or nationally. Therefore, it is WSP's opinion that the NWHC is not eligible under Criterion C. The NWHC also does not meet Criteria Consideration G as

it does not rise to an exceptional level of architectural distinction from the recent past.

### *Integrity*

The NWHC retains good integrity. The period of significance for the facility begins in 1978, less than 50 years ago, when the Schroeder Road property was purchased by the USFWS and renovations to the existing laboratory building were planned. Since the renovations to the MB, no exterior or major interior alterations have been made. The remaining buildings and structures at the NWHC have not been altered since their construction. Therefore, the NWHC retains its integrity of location, setting, design, materials, workmanship, feeling, and association with its period of historic significance.

Given the extensive renovation of the MB in 1978, the integrity of setting, design, feeling, and association of the building with its period of private ownership from 1969 to 1974 has been significantly diminished.

### *Determination*

Although the NWHC represents a degree of historical significance as the location of significant scientific studies and discoveries related to wildlife disease and federal wildlife disease research, it does not rise to a level of exceptional significance as required by Criteria Consideration G for resources less than 50 years of age or achieving significance within the last 50 years. Therefore, WSP concludes that the NWHC is not eligible for listing in the NRHP.

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*Wisconsin State Journal (WSJ)*

1969 Investment in Future Includes Plant Here. June 1:29.

1970a 20 Major Firebombings, Arson Attempts Reported in 6 Days. May 11:7.

1970b Beltline Work to Begin Any Day. May 12:36.

1970c A Chronicle of Firebombings, Arson. August 25:27.

1977a Fish Studies Lab to Locate in Madison. May 24:23.

1977b Wildlife Lab Funds OKd. May 25:25.

1977c City Site for Wildlife Lab Backed in House. June 8:8.

1979 Wildlife Health Lab Contract Awarded. July 10:5.

1982a Budget Cuts are Threatening Wildlife Health Laboratory. October 25:26.

1982b Wildlife Lab Receives Operating Funds, More. November 19:29.

**ATTACHMENT A: REQUEST FOR SHPO COMMENT AND CONSULTATION ON A  
FEDERAL UNDERTAKING FORM**

## REQUEST FOR SHPO COMMENT AND CONSULTATION ON A FEDERAL UNDERTAKING

**Submit one copy with each undertaking for which our comment is requested. Please print or type. Return to:**

Wisconsin Historical Society, State Historic Preservation Office, 816 State Street, Madison, WI 53706

**Please Check All Boxes and Include All of the Following Information, as Applicable.**

### I. GENERAL INFORMATION

- This is a new submittal.
- This is supplemental information relating to Case #: \_\_\_\_\_, and title: \_\_\_\_\_
- This project is being undertaken pursuant to the terms and conditions of a programmatic or other interagency agreement. The title of the agreement is \_\_\_\_\_
- a. Federal Agency Jurisdiction (Agency providing funds, assistance, license, permit): \_\_\_\_\_
- b. Federal Agency Contact Person: \_\_\_\_\_ Phone: \_\_\_\_\_
- c. Project Contact Person: \_\_\_\_\_ Phone: \_\_\_\_\_
- d. Return Address: \_\_\_\_\_ City: \_\_\_\_\_ Zip Code: \_\_\_\_\_
- e. Email Address: \_\_\_\_\_
- f. Project Name: \_\_\_\_\_
- g. Project Street Address: \_\_\_\_\_
- h. County: \_\_\_\_\_ City: \_\_\_\_\_ Zip Code: \_\_\_\_\_
- i. Project Location: Township \_\_\_\_\_, Range \_\_\_\_\_, East  or West , Section \_\_\_\_\_, Quarter Sections \_\_\_\_\_
- j. Project Narrative Description—Attach Information as Necessary.
- k. Area of Potential Effect (APE). Attach Copy of U.S.G.S. 7.5 Minute Topographic Quadrangle showing APE.

### II. IDENTIFICATION OF HISTORIC PROPERTIES

- Historic Properties are located within the project APE per 36 CFR 800.4. Attach supporting materials, per 36 CFR 800.11.
- Historic Properties are not located within the project APE per 36 CFR 800.4. Attach supporting materials, per CFR 800.11.

### III. FINDINGS

- No historic properties will be affected (i.e., none is present or there are historic properties present but the project will have no effect upon them). Attach necessary documentation, as described at 36 CFR 800.11.
- The proposed undertaking will have no adverse effect on one or more historic properties located within the project APE under 36 CFR 800.5. Attach necessary documentation, as described at 36 CFR 800.11.
- The proposed undertaking will result in an adverse effect to one or more historic properties and the applicant, or other federally authorized representative, will consult with the SHPO and other consulting parties to resolve the adverse effect per 36 CFR 800.6. Attach supporting documentation as described at 36 CFR 800.11.

Authorized Signature: Jordan Sizemore Date: \_\_\_\_\_

Type or print name: \_\_\_\_\_

### IV. STATE HISTORIC PRESERVATION OFFICE COMMENTS

- Agree with the finding in section III above.
- Object to the finding for reasons indicated in attached letter.
- Cannot review until information is sent as follows: \_\_\_\_\_

Authorized Signature: \_\_\_\_\_ Date: \_\_\_\_\_

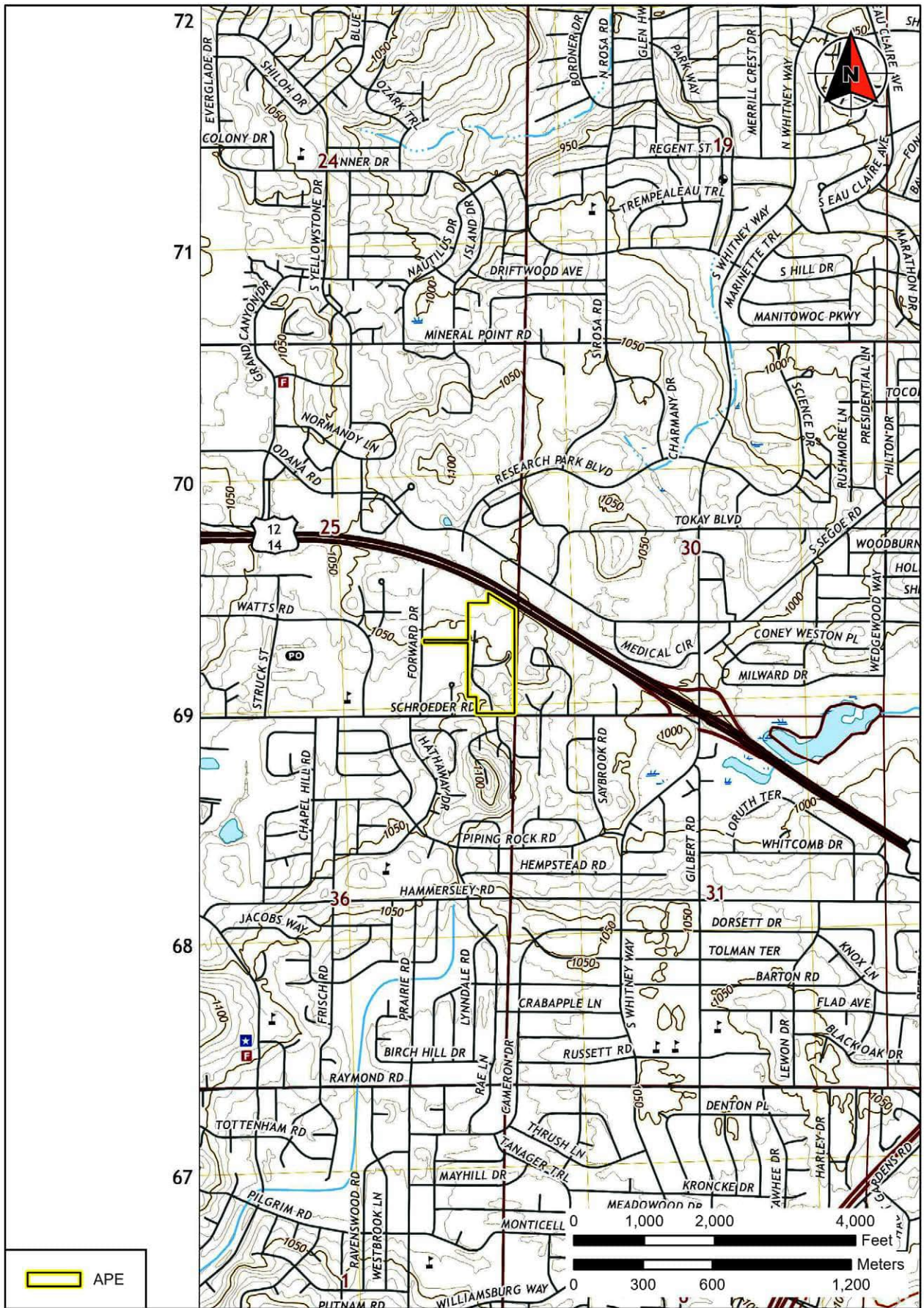


FIGURE A1: Project Area of Potential Effects (USGS Topo 2022)

**ATTACHMENT B: WISCONSIN HISTORICAL SOCIETY – STATE HISTORIC  
PRESERVATION OFFICE DETERMINATION OF ELIGIBILITY FORM**

**Wisconsin Historical Society – State Historic Preservation Office  
Determination of Eligibility Form**

**Agency Project ID#:** \_\_\_\_\_

**WHS #:** \_\_\_\_\_ **AHI #:** \_\_\_\_\_

**Property Name(s):** National Wildlife Health Center

**Address/Location:** 6006 Schroeder Road

**City & County:** Madison, Dane County **Zip Code:** 53711

**Town:** 7 **Range:** 8 **Section:** 25

**Date of Construction:** 1969

**Agency Certification**

As the designated authority under the National Historic Preservation Act, as amended, I hereby certify that this request for Determination of Eligibility:

- Meets the National Register of Historic Places criteria.
- Does not meet the National Register of Historic Places criteria.

Jordan D. Sizemore (Environmental Protection Specialist)

**Agency Historic Preservation Officer**

**Date: December 13, 2022**

**State Historic Preservation Office**

In my opinion, the property:

- Meets the National Register of Historic Places criteria.
- Does not meet the National Register of Historic Places criteria.

**State Historic Preservation Officer**

**Date**

**Comments (FOR SHPO USE ONLY):**

**Classification:**

Ownership	Type of Property:		# of Contributing	# of Non-Contributing
<input type="checkbox"/> private	X building(s)	-->	2	7
X public	site	-->	0	0
If public, specify:	structure	-->	0	1
	object	-->	0	0
United States Geological Society (USGS)	district	Total:	2	9

**Function/Use:**

Historic Function(s): Chemical Laboratory  
 Current Function(s): Federal Research Laboratory

**Architectural Style(s):** None

**Criteria:**

<input checked="" type="checkbox"/> A (history)	<b>Areas of Significance:</b> <u>Science</u>
<input checked="" type="checkbox"/> B (important persons)	<b>Period of Significance:</b> <u>1978-present</u>
<input checked="" type="checkbox"/> C (architecture/eng.)	<b>Significant Dates:</b> _____
<input type="checkbox"/> D (archaeology)	<b>Significant Person:</b> _____
	<b>Cultural Affiliation:</b> _____
	<b>Architect/Builder:</b> <u>U.S. Fish and Wildlife Service (USFWS)</u>

**Criteria Considerations:**

<input type="checkbox"/> A (owned by religious institution)	<input type="checkbox"/> E (reconstruction)
<input type="checkbox"/> B (moved)	<input type="checkbox"/> F (commemorative)
<input type="checkbox"/> C (birthplace/grave)	<input checked="" type="checkbox"/> G (<50 years old)
<input type="checkbox"/> D (cemetery)	

**ATTACHMENT CHECKLIST**

- Historic boundary map
- USGS map or Aerial



**Determination of Eligibility Prepared By:**

Name & Company:	Kate Umlauf (WSP USA, Inc.)		
Address:	250 Marquette Avenue, Suite 570	Phone:	(612) 524-0957
City:	Minneapolis	State:	MN
		Zip:	55401
Email:	<a href="mailto:kate.umlau@wsp.com">kate.umlau@wsp.com</a>	Date:	December 13, 2022
Sub-contracting to:			
Address:		Phone:	
City:		State:	
		Zip:	
Email:			

**Methodology**

*(Describe the steps taken to identify and evaluate the historic property, including research, consultation with preservation professionals and interested parties, and previous eligibility recommendations.)*

This NRHP evaluation consisted of background research, architectural survey, review of the Wisconsin Historic Preservation Database (WHPD), archival research at Wisconsin State Archives, and review of historic digital photography of NWHC buildings.

To begin the background research, WSP contacted and reviewed available sources at local, state, and federal repositories, including the Wisconsin State Historical Society Archives, the University of Wisconsin Archives, and the National Archives and Records Administration (NARA) at Chicago, Illinois. Correspondence records of the NWHC from the late 1990s were located at the Steenbock Library of the University of Wisconsin. No records pertaining to the NWHC were found at the Chicago NARA or the Wisconsin State Historical Society Archives. Other key resources for contextual information included historical newspapers, annual reports from the NWHC, reports of the U.S. Fish and Wildlife Service (USFWS), appropriation reports of the USGS, U.S. Congressional Appropriation Hearings for the Department of the Interior and related agencies, and architectural drawings and digital photographs of the facility provided by USGS.

An architectural survey was conducted on September 20 and 21, 2022, and consisted of thorough investigation of the NWHC facilities—surveying and photographing the exteriors and interiors of the buildings, speaking with USGS property managers, and reviewing available onsite historical records and information, including building floor plans and historic photographs. Architectural drawings of the proposed renovation of the Main Building (MB) in 1979 and as-built drawings of the Tight Isolation Building (TIB) were provided to WSP by USGS following fieldwork. During the site visit, the WSP architectural historian visited the Wisconsin SHPO to review the Wisconsin Historic Preservation Database to identify any previously recorded historic and archaeological resources located at the facility or surveys conducted there.

The background research and field survey provided data for evaluating the NWHC’s potential eligibility for inclusion in the NRHP using the NRHP Criteria (36 Code of Federal Regulations [CFR] 60.4). The facility was also evaluated under Criteria Consideration G for properties achieving significance within the past 50 years if they are of exceptional importance.

## **Narrative Description**

*(Describe the property, include photographs following description)*

The NWHC is approximately 5 miles southwest of the City of Madison, Wisconsin and contains three primary buildings constructed between 1969 and 1985: the MB constructed in 1969, the TIB constructed in 1985, and a garage constructed in 1985. Additional buildings and structures include three small sheds, a temporary, modular office building, an entrance gate, and an informational sign. The property is entirely surrounded by dense wooded vegetation and in a suburban residential and commercial area, bound to the north by the West Beltline Highway and to the south by Schroeder Road.

At Schroeder Road, a stone and metal entrance gate provides access to the 24.3-acre NWHC property, which features a curved asphalt-paved entrance road, approximately 4.9 acres of restored prairie, a gravel driveway extending to the rear (south) and east elevations of the MB, an asphalt-paved main parking lot, and a secondary gravel parking lot providing public access to the prairie. The primary buildings are clustered around the main parking lot near the northern edge of the parcel. The prairie occupies the southern half of the parcel, while a mix of wooded acres and tall-grass acres cover the remaining areas north of the buildings.

The original 1969 building consisted only of the central rectangular portion of the structure, not including the existing north elevation projection and entry and small additions to the east and west elevations. Between 1979 and 1980, USFWS completed renovations to the interior and exterior of the building. The exterior renovations generally matched the architectural features of the original building. The exterior of the MB has not changed since the 1980s renovation.

The one-story building stands on a concrete foundation, with full basement, consisting of pier footings and a poured concrete slab. The building has exterior walls of red brick veneer laid in running bond with a course of header bricks at the top course below the roof. The building has an irregular plan with a steel frame flat roof with wide partial overhangs placed above window walls. The overhangs are clad in sheet metal and feature concrete panels on the undersides visible from below. The main entry block, constructed in the 1980s renovation, occupies an L at the northwestern corner of the building. It consists of full-glass double doors with transom facing north and recessed from the façade wall. Metal frame ribbon windows fill the upper half of the western wall of the entry block, all of which is contained underneath an extra-wide overhang supported by a single square post at the northwestern corner of the building.

The northern addition to the building formed a new façade, offset on the original north elevation. The addition has a symmetrical design featuring a central bay of floor-to-ceiling metal frame windows below a metal overhang. The bay of windows is flanked by seamless sections of brick lacking fenestration. Around the east elevation of the northern addition are two offset window wall bays, each containing a full-glass entry door with transom. Most of this elevation features a roof overhang that continues onto the north elevation of the original building block. This wall lacks fenestration. The overhang is bisected by a tall, square, brick chimney near the eastern end of the building.

The roof overhang continues around the east elevation of the building, which reveals the basement foundation wall and 1980s addition. The one-story addition to the east elevation of the building has two rectangular sections constructed of concrete block with flat roofs and metal coping. The northernmost section contains an overhead garage door and two solid single-leaf entry doors providing access to delivery rooms. The southernmost section rises taller than the northernmost section and only contains a single entry vestibule at its south elevation providing exterior access to the incinerator room. A tall metal vent stack rises from the roof of the incinerator room.

The south elevation of the building originally functioned as the main façade. It has a central entry bay consisting of double full-glass doors with transom flanked by sections of floor-to-ceiling metal frame windows and outer brick bays. As on the other original building block elevations, the roof overhang runs continuously across the south elevation.

The west elevation contains a small single-story addition at the basement level clad in metal paneled siding and set on a poured concrete foundation. This addition projects from the northern end of the elevation leaving original windows and louvers visible to the south.


The main floor interior of the NWHC MB is composed of two sections: the office/administrative side and the laboratory side. The administrative section includes the reception space, conference rooms, and breakroom within the northern addition to the building, and layout of offices in the western two-thirds of the original building block. Two primary hallways extend from west to east, providing access to the offices and entry to the laboratories at the eastern end of the main floor. Interior finishes of the administrative side include terrazzo or carpeted flooring, rubber wall base, smooth finish plasterboard walls, and dropped acoustic panel ceiling tiles. The laboratory side of the main floor contains three large laboratory rooms, one for parasitology, one for microbiology, and one for virology. Smaller support rooms are arranged in between these larger laboratories, and all are accessed by a U-shaped hallway. Interior finishes of the laboratory side include epoxy flooring and wall base, metal doors, and concrete block walls.

The TIB is approximately 150 feet northeast of the MB. The TIB contains specialized research laboratories and support areas, offices for investigators, and a biocontainment animal research area. The animal isolation wing is self-contained with cage and glassware cleaning, necropsy, and incineration facilities. Entry into the area requires use of specialized clothing and footwear, changes of clothing and footwear for each room entered, and a mandatory shower upon exiting from the animal area. The animal area was not surveyed as part of this study given these entry restrictions.




The 1984 architectural plans for the TIB depict the NWHC facility site, including the building footprints, as they exist today. The one-story TIB stands on a concrete foundation consisting of pier footings and a poured concrete slab and has exterior walls of red brick veneer laid in running bond. The building has an irregular plan with a steel frame flat roof with side partial width overhangs placed asymmetrically along the elevations. The overhangs are clad in sheet metal and feature concrete panels on the undersides visible from below. The façade is formed from a projecting wall at the western third of the south elevation. The remaining portions of the south elevation are set back behind the modular office building. The four bay façade has a full-glass single-leaf entry door placed east of three, two-part metal frame windows with brick header sills. These windows repeat at the southern end of the west elevation. The remainder of the building lacks windows and contains limited access doors in keeping with the use of the building for isolation purposes.

A metal clad refrigeration structure (ca. 2000) with a low-pitched gable roof is located off the west elevation of the TIB. A few years after the refrigeration unit was constructed, the NWHC brought a modular office building (ca. 2005) to the property. The modular office building is in front of the eastern two-thirds of the south elevation and has a rectangular plan, low-pitched gable roof, vinyl siding, and one-over-one vinyl sash windows.

The remaining secondary buildings at the NWHC are all less than 50 years of age. The brick garage (1985) has a rectangular plan, concrete foundation, flat roof clad in sheet metal, recessed vertical window bays, and large overhead garage doors. The building stands approximately 390 feet west of the TIB and across the parking lot. A small metal storage shed (ca. 2017) stands approximately 30 feet north of the garage. A small gravel parking area south of the main parking lot and approximately 180 feet west of the MB contains a wood frame welcome sign (ca. 2005) and a small, prefabricated plastic shed (ca. 2005) at the entrance to the restored prairie and public trails. The welcome sign displays interpretive materials on the prairie and the National Wildlife Refuge system. Lastly, at the Schroeder Road entrance to the property, a metal entrance gate with stone side walls was constructed in ca. 2007. The metal gates were replaced in 2021.

Map ID	Name	Year Built	Primary Photo
1	Main Building	1969	

Map ID	Name	Year Built	Primary Photo
2	Tight Isolation Building	1985	
3	Garage	1985	
4	TIB Refrigeration Unit	ca. 2000	
5	Modular Office Building	ca. 2005	
6	Storage Shed	ca. 2017	

Map ID	Name	Year Built	Primary Photo
7	Prairie Welcome Sign	ca. 2005	
8	Prairie Entrance Shed	ca. 2005	
9	Entrance Gate	ca. 2007/2021	

### Integrity

The NWHC retains good integrity. The period of significance for the facility begins in 1978, less than 50 years ago, when the Schroeder Road property was purchased by the USFWS and renovations to the existing laboratory building were planned. Since the renovations to the MB, no exterior or major interior alterations have been made. The remaining buildings and structures at the NWHC have not been altered since their construction. Therefore, the NWHC retains its integrity of location, setting, design, materials, workmanship, feeling, and association with its period of historic significance.

Given the extensive renovation of the MB in 1978, the integrity of setting, design, feeling, and association of the building with its period of private ownership from 1969 to 1974 has been significantly diminished.

### Narrative Statement of Significance

*(Describe the context in which you have evaluated the property and provide a statement of significance.)*

The NWHC was evaluated within the context of federal wildlife disease research, which has historical significance dating to the late 1880s. The first comparative federal facility conducting wildlife disease research opened in 1920 in New Mexico and operates today from Fort Collins, Colorado. Additional federal wildlife research facilities opened prior to the establishment of the NWHC; however, the Madison facility exists today as the only federal facility orientated on the study of wildlife disease for the sake of wildlife rather than as it affects human life or agricultural and natural resources.

The NWHC MB was constructed in 1969 by a private company under the name of Ansul Chemical Co., just over 50 years ago, and qualifies for evaluation under the standard criteria; however, the significance of the facility is not associated with the period of ownership by Ansul Chemical Co. Rather, the significance of the

facility is associated with its function and use by the federal government as a wildlife disease research center, which began in 1978 (less than 50 years ago) and continues to the present day. Therefore, the NWHC was evaluated under Criteria Consideration G for properties achieving significance within the past 50 years, requiring exceptional significance for listing in the NRHP. The evaluation was guided by the United States General Services Administration's (GSA's) *Determination of Eligibility Assessment Tool* (2021), which offers a defined framework for evaluating modern-era federal properties.

The NWHC is the site of scientific studies and discoveries significant to national history. For example, the NWHC played a major role in the surveillance, die-off investigations, and experimental studies of West Nile virus immediately following its detection in the New York City area in 1999. Since 1999, the NWHC has continually contributed to the understanding of the disease and its effects not only on wildlife but on public health. NWHC is also known for its discovery in 2008 of the fungus that causes white-nose syndrome in bats, a disease affecting millions of bats to date. These events, however, are either only moderately associated with the NWHC or occurred within the last 20 years, and sufficient historical perspective does not exist to consider its significance within the context of federal wildlife disease research.

The TIB has associations with federal wildlife disease research beginning in 1985 when it was constructed. USFWS development plans for the building date to 1978, the time of the acquisition of the Schroeder Road site, and contribute to the overall ability of the NWHC to convey its associations with significant scientific studies and discoveries.

All remaining buildings of the NWHC MB were constructed between 1985 and ca. 2007; they do not appear to hold significance associated with federal wildlife disease research and should be considered non-contributing to the significance of the NWHC.

**Criterion A.** It is WSP's opinion that the NWHC is not eligible under Criterion A as it does not have sufficient associations with significant federal building programs, is not an example of quality architectural design, and is not associated with events important to the national history of federal wildlife disease research. The resource does not meet Criteria Consideration G as the events from the recent past do not rise to a level of exceptional significance as they relate to the NWHC Madison facility.

**Criterion B.** No associations with NWHC to persons significant to federal wildlife disease research are known. Therefore, it is WSP's opinion that the NWHC is not eligible under Criterion B as it does not meet the requirements for listing in the NRHP for associations with significant individuals. The resource does not meet Criteria Consideration G, as there are no persons of exceptional significance associated with the NWHC from the recent past.

**Criterion C.** Although the NWHC MB and TIB are adequate examples of modern-era architecture, they are undistinguished and typical examples that use standard technology and materials. The renovation of the MB and construction of the TIB are typical of the 1980s, lacking exceptional design qualities, and do not represent ground-breaking design locally, regionally, or nationally. Therefore, it is WSP's opinion that the NWHC is not eligible under Criterion C. The NWHC also does not meet Criteria Consideration G as it does not rise to an exceptional level of architectural distinction from the recent past.

Although the NWHC represents a degree of historical significance as the location of significant scientific studies and discoveries related to wildlife disease and federal wildlife disease research, it does not rise to a level of exceptional significance as required by Criteria Consideration G for resources less than 50 years of age or achieving significance within the last 50 years. Therefore, WSP concludes that the NWHC is not eligible for listing in the NRHP.

CRM Context Chapters:     N/A \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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1971 What is Ansul Center up to? January 7:46.  
1983 Wildlife lab Aims to Save Nature. June 18:5.

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### *Wisconsin State Journal* (WSJ)

1969 Investment in Future Includes Plant Here. June 1:29.  
1970a 20 Major Firebombings, Arson Attempts Reported in 6 Days. May 11:7.

- 1970b Beltline Work to Begin Any Day. May 12:36.
- 1970c A Chronicle of Firebombings, Arson. August 25:27.
- 1977a Fish Studies Lab to Locate in Madison. May 24:23.
- 1977b Wildlife Lab Funds OKd. May 25:25.
- 1977c City Site for Wildlife Lab Backed in House. June 8:8.
- 1979 Wildlife Health Lab Contract Awarded. July 10:5.
- 1982a Budget Cuts are Threatening Wildlife Health Laboratory. October 25:26.
- 1982b Wildlife Lab Receives Operating Funds, More. November 19:29.



**Property Info**

Acreage of Property: 23.4

UTM Reference: 

<u>16T</u>	<u>297658.60</u>	<u>4769246.05</u>
Zone	Easting	Northing

**Verbal Boundary Description**

The recommended boundary corresponds to the current tax parcel.

**Boundary Justification**

The current tax parcel approximates the historic property line.



FIGURE 1: Aerial Map Showing Current/Historic Boundary of NWHC and Locations of Buildings and Structures (ESRI World Imagery 2021)

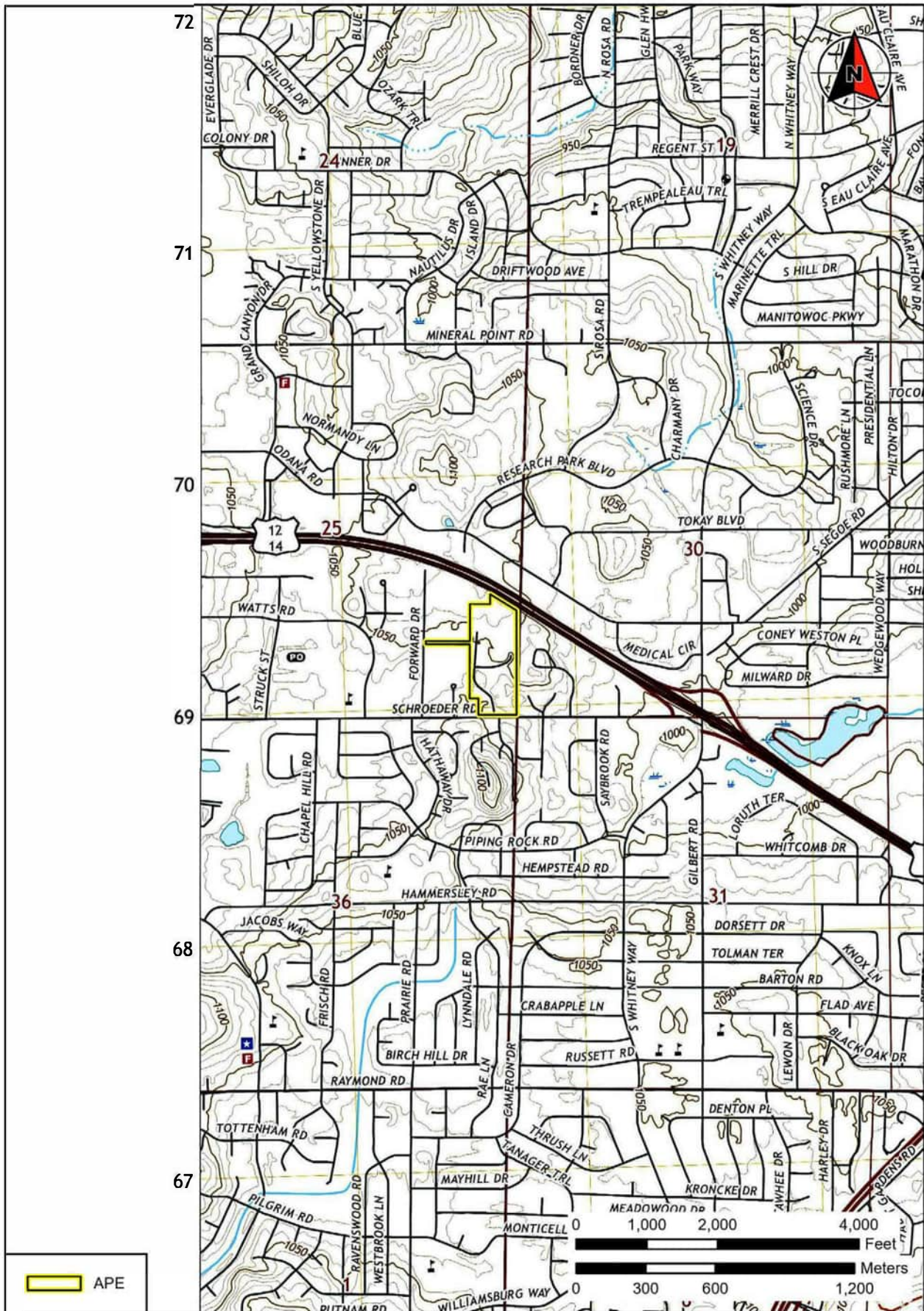


FIGURE 2: Project Area of Potential Effects (USGS Topo 2022)

**ATTACHMENT C: CONCEPTUAL PROJECT DESIGNS**

# SITE ANALYSIS

## SITE MAP – SITE PROXIMITY



### MAP KEY

- Ⓐ - MAIN BUILDING
- Ⓑ - TIB BUILDING
- Ⓒ - SOLAR PANELS
- Ⓓ - EXISTING PARKING [98 STALLS]
- Ⓔ - UTILITY CORRIDOR/FUTURE SITE ACCESS
- ① - FUTURE STOP LIGHT
- Ⓒ - EXISTING ENTRY ROUTE
- Ⓓ - EXISTING PRAIRIE
- Ⓔ - SERVICE ROUTE
- ② - FUTURE RETENTION POND

# OPTION A

ALL-IN



PERSPECTIVE VIEW 01



#### COLOR LEGEND

- EXISTING BUILDING
- OFFICE
- LAB
- VIVARIUM
- FACILITIES SUPPORT



#### OPTION A

SCALE: 1" = 80'-0"



# OPTION B

LABS & BSL-3AG  
PRIORITY



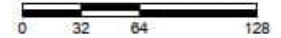
**OPTION B - PHASE 1**

SCALE: 1" = 128'-0"



**OPTION B - PHASE 2**

SCALE: 1" = 128'-0"



- COLOR LEGEND**
- EXISTING BUILDING
  - OFFICE
  - LAB
  - VIVARIUM
  - FACILITIES SUPPORT



**OPTION C - PHASE 1**  
SCALE: 1" = 128'-0"



**OPTION C - PHASE 2**  
SCALE: 1" = 128'-0"



**OPTION C - PHASE 3**  
SCALE: 1" = 128'-0"



- COLOR LEGEND**
- EXISTING BUILDING
  - OFFICE
  - LAB
  - VIVARIUM
  - FACILITIES SUPPORT



**ATTACHMENT D: PHOTO KEY**



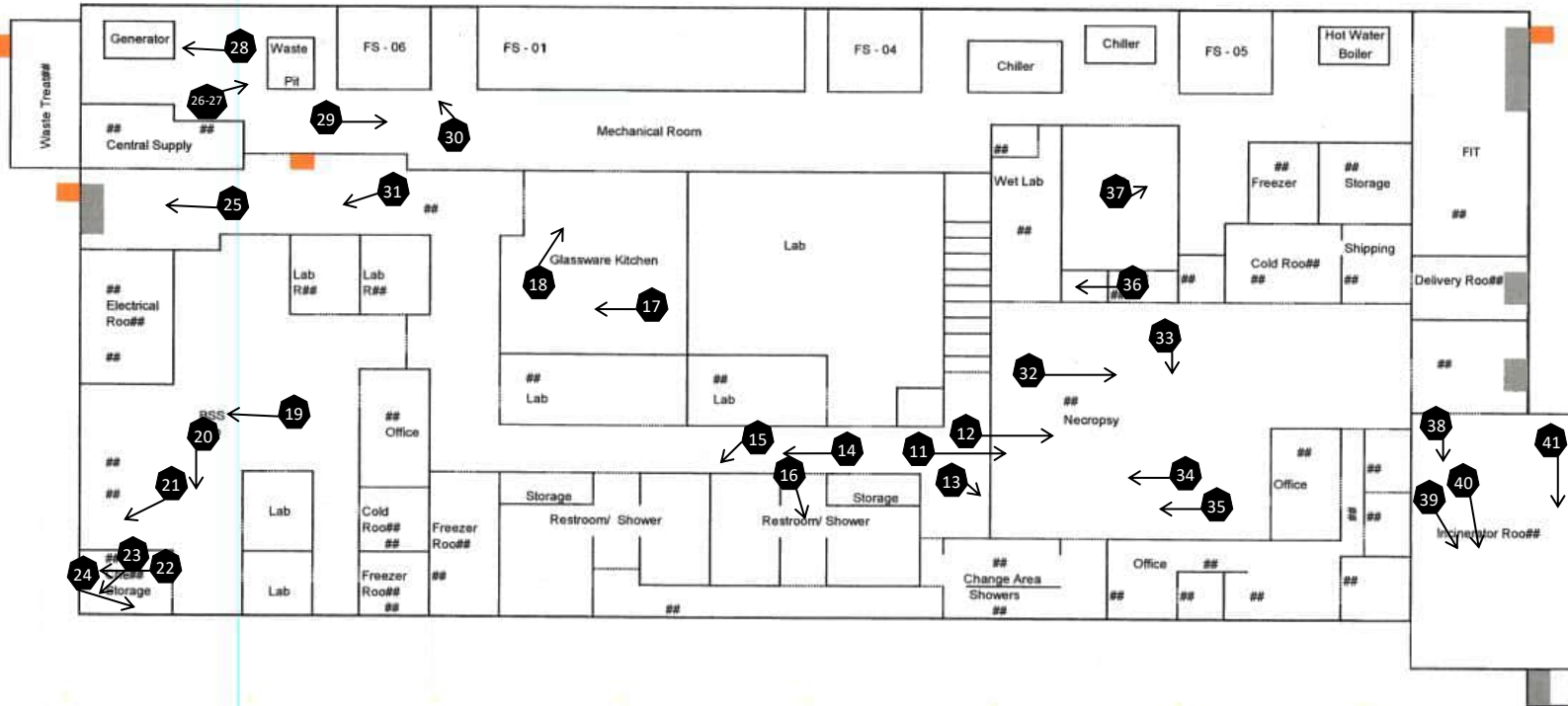
### Main Building - Upper Level





### Main Building - Lower Level

- Card Readers
- Doors
- External Exits



# Main Building



Tight Isolation Building (TIB)

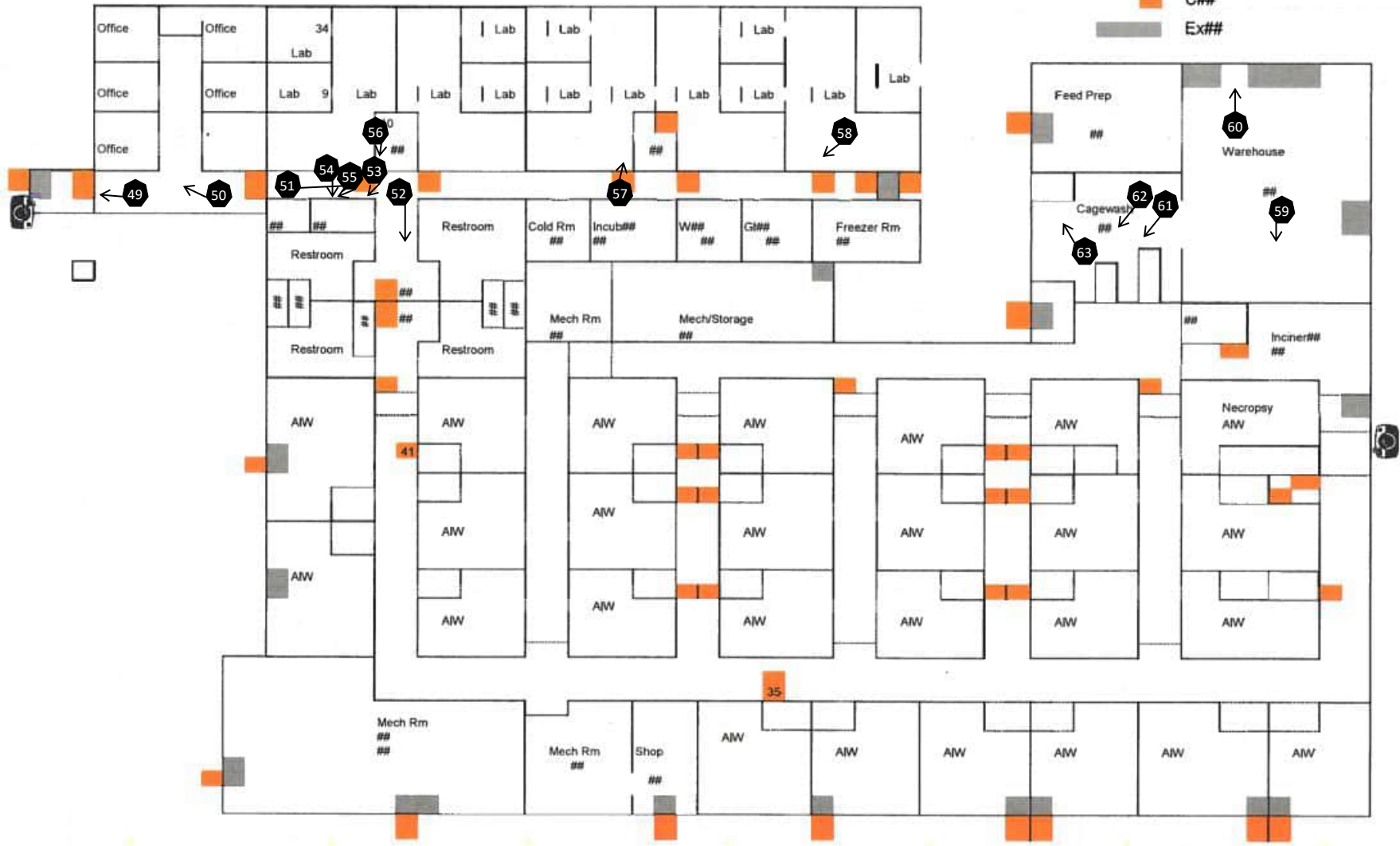




### Tight Isolation Building (TIB)

Legend:

- Doors (represented by a vertical line)
- C## (represented by an orange square)
- Ex## (represented by a grey square)

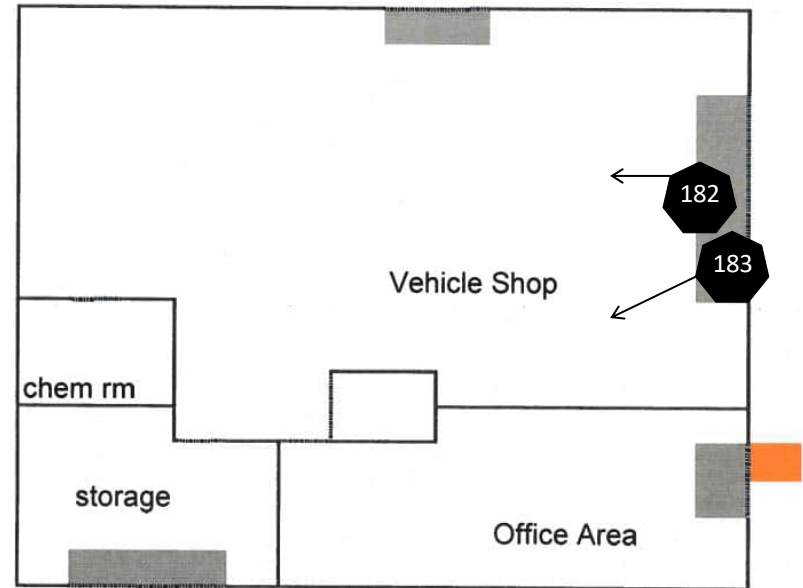
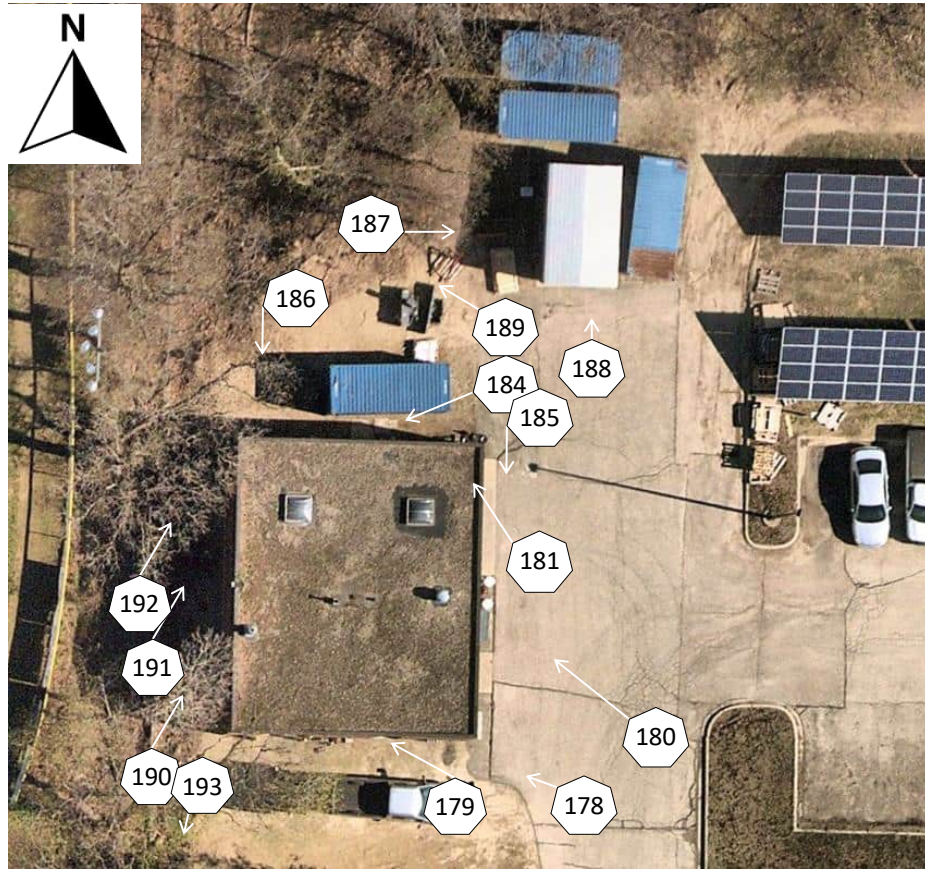




Site Plan



# Garage





**ATTACHMENT E: EXISTING CONDITION PHOTOGRAPHS**

# Architectural Survey for the Modernization of USGS National Wildlife Health Center



DSC\_0001



DSC\_0004



DSC\_0007



DSC\_0002



DSC\_0005



DSC\_0008



DSC\_0003



DSC\_0006



DSC\_0009

# Architectural Survey for the Modernization of USGS National Wildlife Health Center



DSC\_0010



DSC\_0013



DSC\_0016



DSC\_0011



DSC\_0014



DSC\_0017



DSC\_0012

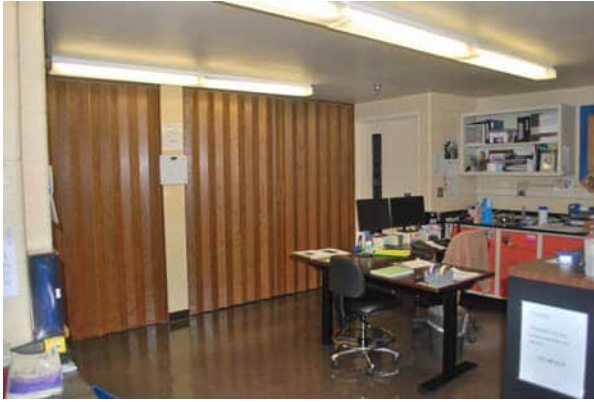


DSC\_0015



DSC\_0018

# Architectural Survey for the Modernization of USGS National Wildlife Health Center



DSC\_0019



DSC\_0022



DSC\_0025



DSC\_0020



DSC\_0023



DSC\_0026



DSC\_0021



DSC\_0024



DSC\_0027

# Architectural Survey for the Modernization of USGS National Wildlife Health Center



DSC\_0028



DSC\_0031



DSC\_0034



DSC\_0029



DSC\_0032



DSC\_0035



DSC\_0030



DSC\_0033



DSC\_0036

# Architectural Survey for the Modernization of USGS National Wildlife Health Center



DSC\_0037



DSC\_0040



DSC\_0043



DSC\_0038



DSC\_0041



DSC\_0044



DSC\_0039



DSC\_0042



DSC\_0045

# Architectural Survey for the Modernization of USGS National Wildlife Health Center



DSC\_0046



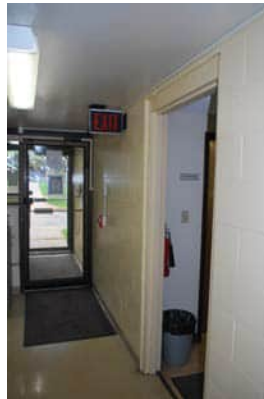
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DSC\_0047



DSC\_0050



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DSC\_0048



DSC\_0051



DSC\_0054

# Architectural Survey for the Modernization of USGS National Wildlife Health Center



DSC\_0055



DSC\_0058



DSC\_0061



DSC\_0056



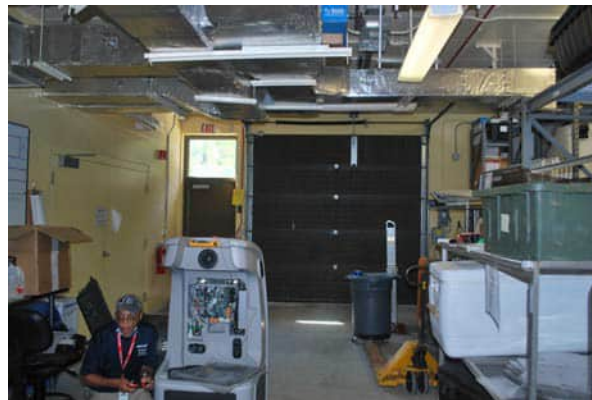
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DSC\_0060



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# Architectural Survey for the Modernization of USGS National Wildlife Health Center



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Architectural Survey for the Modernization of USGS National Wildlife Health Center



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# Architectural Survey for the Modernization of USGS National Wildlife Health Center



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DSC\_0090

# Architectural Survey for the Modernization of USGS National Wildlife Health Center



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DSC\_0099

# Architectural Survey for the Modernization of USGS National Wildlife Health Center



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DSC\_0103



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DSC\_0107



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Architectural Survey for the Modernization of USGS National Wildlife Health Center



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DSC\_0112



DSC\_0115



DSC\_0110



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DSC\_0114



DSC\_0117

# Architectural Survey for the Modernization of USGS National Wildlife Health Center



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# Architectural Survey for the Modernization of USGS National Wildlife Health Center



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# Architectural Survey for the Modernization of USGS National Wildlife Health Center



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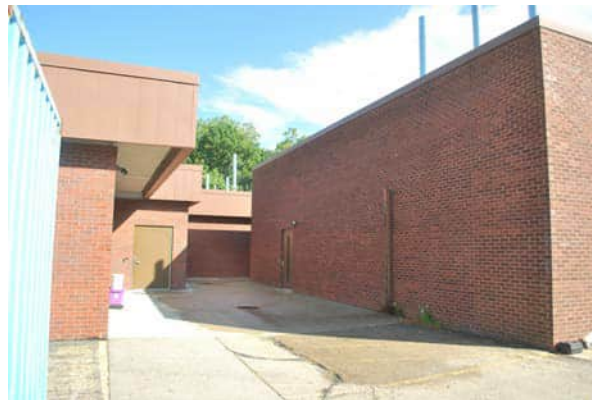
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# Architectural Survey for the Modernization of USGS National Wildlife Health Center



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# Architectural Survey for the Modernization of USGS National Wildlife Health Center



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Architectural Survey for the Modernization of USGS National Wildlife Health Center



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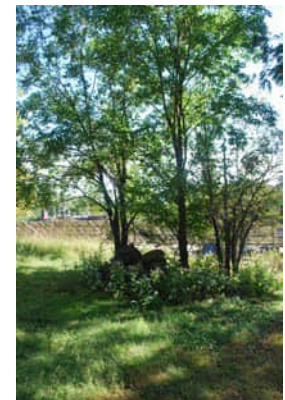
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Architectural Survey for the Modernization of USGS National Wildlife Health Center



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Architectural Survey for the Modernization of USGS National Wildlife Health Center



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DSC\_0186



DSC\_0189

# Architectural Survey for the Modernization of USGS National Wildlife Health Center



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DSC\_0196



DSC\_0191



DSC\_0194



DSC\_0197



DSC\_0192



DSC\_0195



DSC\_0198

# Architectural Survey for the Modernization of USGS National Wildlife Health Center



DSC\_0199



DSC\_0202



DSC\_0205



DSC\_0200



DSC\_0203



DSC\_0206



DSC\_0201



DSC\_0204



DSC\_0207



Architectural Survey for the Modernization of USGS National Wildlife Health Center



DSC\_0208



DSC\_0211



DSC\_0214



DSC\_0209



DSC\_0212



DSC\_0215



DSC\_0210



DSC\_0213



DSC\_0216

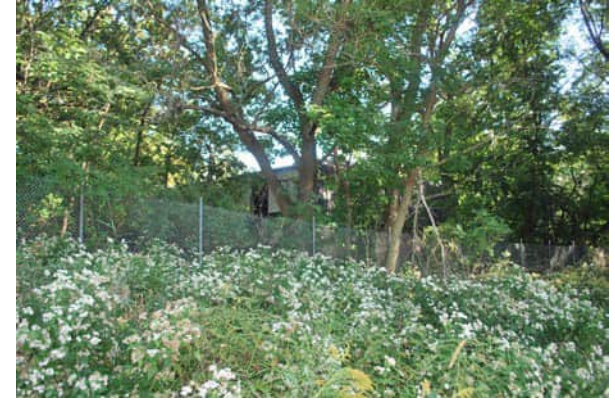
# Architectural Survey for the Modernization of USGS National Wildlife Health Center



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DSC\_0223



DSC\_0218



DSC\_0221



DSC\_0224



DSC\_0219



DSC\_0222

**ATTACHMENT F: HISTORIC PHOTOGRAPHS**



Plate 1. Exterior Photograph of NWHC Main Building Prior to Renovations of Main Entrance (NWHC Facility Records)



Plate 2. Interior Photograph of NWHC Main Building Basement Prior to 1980s Renovations (NWHC Facility Records)



Plate 3. Interior Photograph of NWHC Main Building Entrance Prior to 1980s Renovations (NWHC Facility Records)



Plate 4. Photograph of NWHC Garage during Construction, ca. 1980 (NWHC Facility Records)

**ATTACHMENT G: ARCHITECTURAL DRAWINGS OF NWHC**

United States Department of the Interior

**Invitation  
No.**

FWS 9-7904



**REMODELING OF NATIONAL WILDLIFE HEALTH LABORATORY**

**Madison, Dane, Wisconsin**

**Volume 3 of 3**

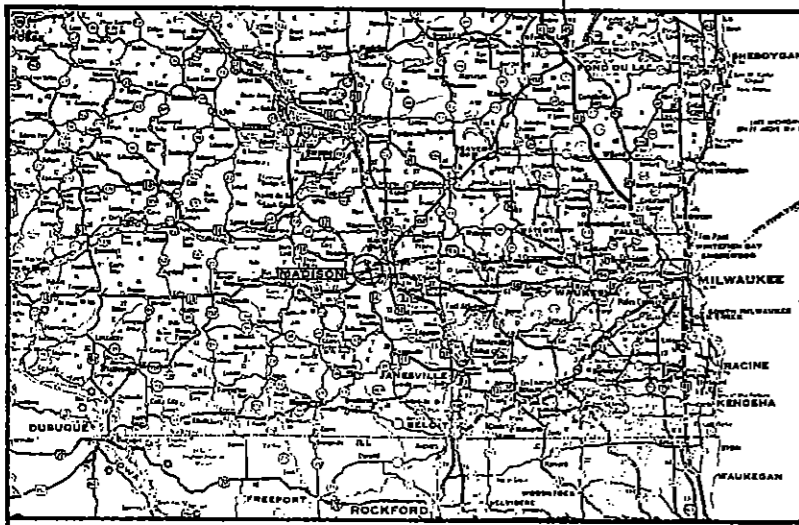
**Bid Opening**

**2:00 p.m. May 1, 1979**

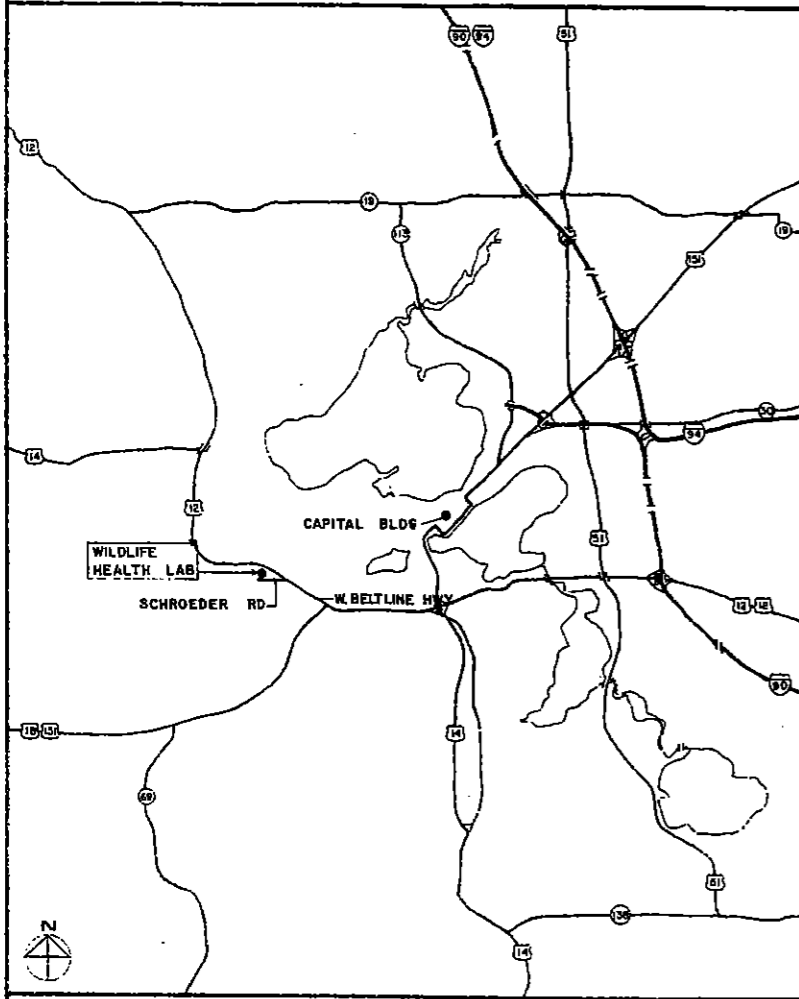
**Bid Location**

**Madison, Wisconsin**

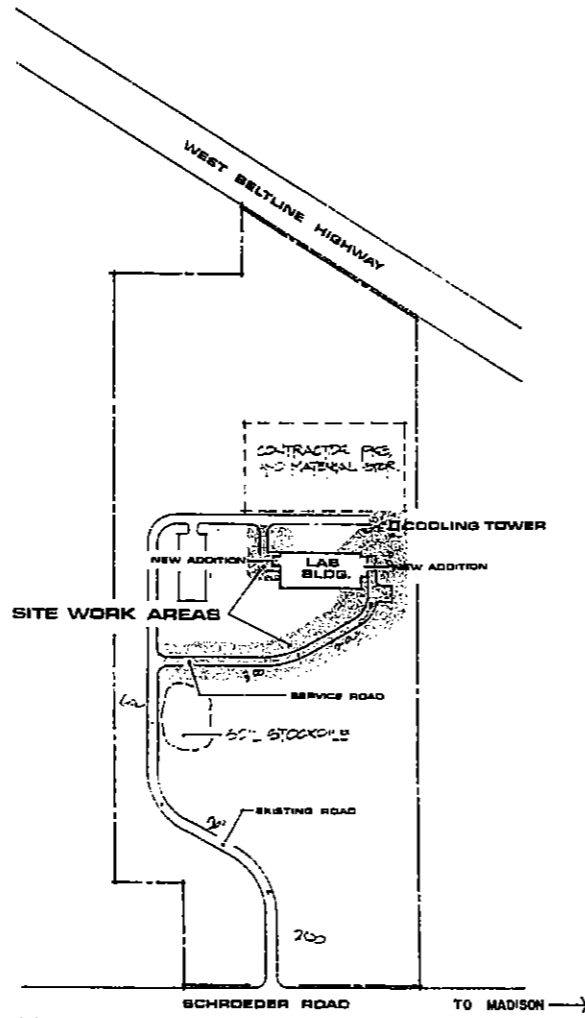
**This is a Total Small Business Set-Aside**



LOCATION MAP  
SCALE: 1" = 50 MILES



VICINITY MAP  
NO SCALE



SITE PLAN  
SCALE: 1" = 200 FEET

# INDEX

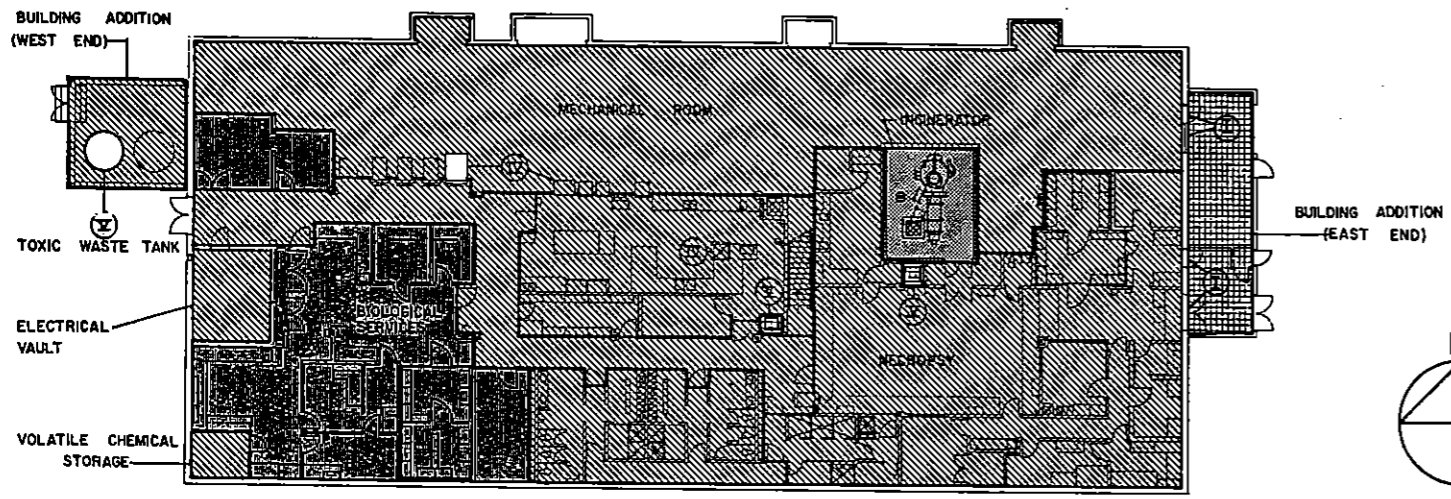
SHEET NO.	DRAWING NO.	DESCRIPTION	SHEET NO.	DRAWING NO.	DESCRIPTION
<b>ARCHITECTURAL</b>					
A-1	DEC-WI 927-10	TITLE SHEET/ MAPS	M-11	DEC-WI 927-540	MECH. RM. & CORR. SECTIONS
A-2	DEC-WI 927-20	BIDDING SCHEDULE & PLANS	M-12	DEC-WI 927-050	ELEVS - FAN SYSTEMS: FS5 & 6
A-3	DEC-WI 927-30	LAYOUT & GRADING SCHEDULE	M-13	DEC-WI 927-060	DUCT SECTIONS - BSMT.
A-4	DEC-WI 927-40	DEMOLITION PLAN	M-14	DEC-WI 927-070	DUCT SECTIONS - FIRST FLR.
A-5	DEC-WI 927-50	DEMOLITION SCHEDULE	M-15	DEC-WI 927-080	REFRIG. FLOW DIAGRAM/ COOLING TOWER
A-6	DEC-WI 927-60	BASEMENT FLOOR PLAN - '1B'	M-16	DEC-WI 927-090	CHILLER, H.M. BOILER, PUMP & U.H.
A-7	DEC-WI 927-70	FIRST FLOOR PLAN - '1B'	M-17	DEC-WI 927-100	ROOF FANS, COIL PIPING, DUCT
A-8	DEC-WI 927-80	BASEMENT FLOOR PLAN 'A'	M-18	DEC-WI 927-110	HOODS, DAMPERS, WALL FAN
A-9	DEC-WI 927-90	BASEMENT FLOOR PLAN 'B'	M-19	DEC-WI 927-120	EXIST. TEMP. CONTROLS: FS1 & 4
A-10	DEC-WI 927-100	FIRST FLOOR PLAN 'C'	M-20	DEC-WI 927-130	EXIST. TEMP. CONTROLS: FS2 & 3
A-11	DEC-WI 927-110	FIRST FLOOR PLAN 'D'	M-21	DEC-WI 927-140	CONTROLS - STATIC PRESS. FS5 & 6
A-12	DEC-WI 927-120	FIRST FLOOR PLAN 'E' & 'F'	M-22	DEC-WI 927-150	BASEMENT DRAINAGE
A-13	DEC-WI 927-130	REFLECTED CLG. PLAN (BSMT)	M-23	DEC-WI 927-160	FIRST FLOOR DRAINAGE
A-14	DEC-WI 927-140	REFLECTED CLG. PLAN (1ST FLR)	M-24	DEC-WI 927-170	BASEMENT PROCESS PIPING
A-15	DEC-WI 927-150	ROOF PLAN	M-25	DEC-WI 927-180	BSMT. WATER DISTRIB. PIPING
A-16	DEC-WI 927-160	RM. FINISH SCHEDULE (BSMT)	M-26	DEC-WI 927-190	1ST FLR. WATER DISTRIB.
A-17	DEC-WI 927-170	RM. FINISH SCHEDULE (1ST FLR)	M-27	DEC-WI 927-200	MECH. RM. PLUMB. PLAN - WEST
A-18	DEC-WI 927-180	DOOR & FRAME SCHEDULE	M-28	DEC-WI 927-010	MECH. RM. PLUMB. PLAN - EAST
A-19	DEC-WI 927-190	DOOR & FRAME DETAILS	M-29	DEC-WI 927-020	WASTE STERILIZATION PLAN
A-20	DEC-WI 927-200	BUILDING ADDITION (EAST)	M-30	DEC-WI 927-030	WASTE STERILIZATION PLAN & ELEV.
A-21	DEC-WI 927-210	BUILDING ADDITION (WEST)	M-31	DEC-WI 927-040	HOT WATER/MAKE UP WATER SYSTEMS
A-22	DEC-WI 927-220	BUILDING ADDITION (NORTH)	M-32	DEC-WI 927-050	COOLER/FREEZER/BACKFLOW PREVENTER
A-23	DEC-WI 927-230	BUILDING ADDITION (SOUTH)	M-33	DEC-WI 927-060	W/R PUMP/H.E. STEAM BOILER/TOXIC VENT
A-24	DEC-WI 927-240	PART. ELEV./WINDOW WALL	M-34	DEC-WI 927-070	ST. TRAP/HUMIDISTAT/T.M.V./MIX. STA.
A-25	DEC-WI 927-250	LAV./INT. ELEVS & DETAILS	M-35	DEC-WI 927-080	STER./WASHERS/NECROPSY TABLES
A-26	DEC-WI 927-260	MISC. INTERIOR ELEVATIONS	M-36	DEC-WI 927-090	INCIN./FUEL T.K./PUMP SET/BNR PIPING
A-27	DEC-WI 927-270	INTERIOR ELEVATIONS (1)	M-37	DEC-WI 927-100	EQUIP. SCHED./FANS/PUMPS, U.H. & TOWER
A-28	DEC-WI 927-280	INTERIOR ELEVATIONS (2)	M-38	DEC-WI 927-110	EQUIP. SCHED./COILS, GRILLS, CHILLER/H.E.
A-29	DEC-WI 927-290	INTERIOR ELEVATIONS (3)	M-39	DEC-WI 927-120	PLUMB. & STERILIZATION EQUIP. SCHED.
A-30	DEC-WI 927-300	INT. ELEV./LAB. FURN. SECTIONS	M-40	DEC-WI 927-130	EXIST. 1ST FLR. & ROOF DUCTWORK
A-31	DEC-WI 927-310	LAB. FURNITURE SCHEDULE (1)	M-41	DEC-WI 927-140	EXIST. DUCTWORK DETAILS
A-32	DEC-WI 927-320	LAB. FURNITURE SCHEDULE (2)	M-42	DEC-WI 927-150	EXIST. HEATING DETAILS
A-33	DEC-WI 927-330	LAB. FURNITURE SCHEDULE (3)	M-43	DEC-WI 927-160	EXIST. FIRST FLOOR PLUMBING
A-34	DEC-WI 927-340	LAB. FURNITURE SCHEDULE (4)	M-44	DEC-WI 927-170	EXIST. BASEMENT PLUMBING
A-35	DEC-WI 927-350	MILLWORK DETAILS (1)	<b>ELECTRICAL</b>		
A-36	DEC-WI 927-360	MILLWORK DETAILS (2)	E-1	DEC-WI 927-080	SITE PLAN/REAR DIAGRAMS - EXIST
A-37	DEC-WI 927-370	MILLWORK DETAILS (3)	E-2	DEC-WI 927-090	BSMT. FLR. EXISTING PLAN
A-38	DEC-WI 927-380	MILLWORK DETAILS (4)	E-3	DEC-WI 927-100	FIRST FLR. EXISTING PLAN
A-39	DEC-WI 927-390	CEILING DETAILS (1)	E-4	DEC-WI 927-110	BASEMENT LIGHTING PLAN
A-40	DEC-WI 927-400	CEILING DETAILS (2)	E-5	DEC-WI 927-120	FIRST FLOOR LIGHTING PLAN
A-41	DEC-WI 927-410	PARTITION DETAILS	E-6	DEC-WI 927-130	BASEMENT POWER PLAN
A-42	DEC-WI 927-420	WALL SECTION/MISC. DTLS.	E-7	DEC-WI 927-140	FIRST FLOOR POWER PLAN
A-43	DEC-WI 927-430	MISC. DETAILS	E-8	DEC-WI 927-150	MECH. RM./ROOF ELECT. PLAN
A-44	DEC-WI 927-440	ROOF WALL DETAILS	E-9	DEC-WI 927-160	WASTE STER. WU. SYMBOLS/DETAILS
A-45	DEC-WI 927-450	ROOF DTLS/WALL SECTIONS	E-10	DEC-WI 927-170	BSMT. TELE. & FIRE ALARM
A-46	DEC-WI 927-460	WALL SECTIONS	E-11	DEC-WI 927-180	1ST. FLR. TELE. & FIRE ALARM
A-47	DEC-WI 927-470	WALL SECTIONS	E-12	DEC-WI 927-190	MTR. CONTROL CTR./SCHED. & ELEV.
<b>STRUCTURAL</b>					
S-1	DEC-WI 927-480	FOUNDATION PLAN - NEW CONSTR.	E-13	DEC-WI 927-200	EXIST. BRANCH PANEL SCHEDULES
S-2	DEC-WI 927-490	FIRST FLR. FRAMING - NEW CONSTR.	E-14	DEC-WI 927-210	NEW BRANCH PANEL SCHEDULES
S-3	DEC-WI 927-500	COLUMN RELOCATION DETAILS	E-15	DEC-WI 927-220	LAB. EQUIP. PANEL SCHEDULE
S-4	DEC-WI 927-510	ROOF PLAN - NEW CONSTR.	E-16	DEC-WI 927-230	LIGHTING FIXTURE DETAILS
S-5	DEC-WI 927-520	MISCELLANEOUS DETAILS	E-17	DEC-WI 927-240	ONE LINE DIAGRAM
S-6	DEC-WI 927-530	MISCELLANEOUS DETAILS	E-18	DEC-WI 927-250	FIRE ALARM RISER DIAGRAM
<b>MECHANICAL</b>					
M-1	DEC-WI 927-540	MECH. ELECT. SITE PLAN			
M-2	DEC-WI 927-550	DUCT DIAGRAM - BASEMENT			
M-3	DEC-WI 927-560	DUCT DISTRIBUTION - PLAN 'A'			
M-4	DEC-WI 927-570	DUCT DISTRIBUTION - PLAN 'B'			
M-5	DEC-WI 927-580	DUCT DISTRIBUTION - PLAN 'C'			
M-6	DEC-WI 927-590	DUCT DISTRIBUTION - PLAN 'D'			
M-7	DEC-WI 927-600	DUCT DISTRIBUTION - PLAN 'E' & 'F'			
M-8	DEC-WI 927-610	MECHANICAL ROOM - WEST			
M-9	DEC-WI 927-620	MECHANICAL ROOM - EAST			
M-10	DEC-WI 927-630	MECHANICAL ROOM PLAN			

SUBMITTED BY: CHIEF ENGINEER  
 REVIEWED BY: NAME: DATE: 11 January 97  
 CHECKED BY: DATE: 1/78  
 DESIGNED BY: DATE: 1/78  
 DRAWN BY: DATE: 1/78  
 REVISIONS:

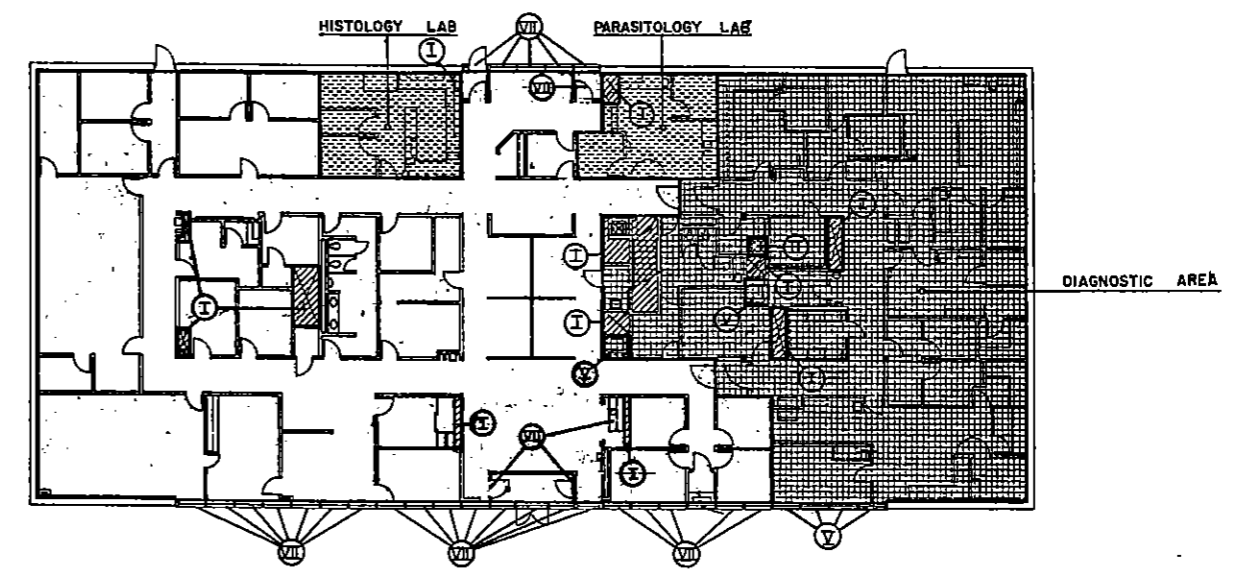
NATIONAL WILDLIFE HEALTH LAB  
 MADISON, WISCONSIN  
 UNITED STATES DEPARTMENT OF THE INTERIOR  
**FISH AND WILDLIFE SERVICE**  
 DENVER ENGINEERING CENTER

SHEET NO. **A-1**  
 OF **47**  
 DRAWING NO. DEC-WI 927-10

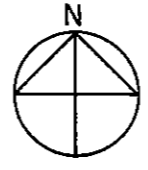




# BASEMENT



# FIRST FLOOR



**GENERAL**

A. Schedules I through IV are corresponding bid items on the "Bid Schedules."

**B. SCHEDULE I - BASE**

1. Complete installation of all mechanical and electrical work and interconnecting piping and wiring, and all cutting, patching and demolition work required within mechanical room and electric vault; including area wells, enclosures of duct risers on first floor, roof top equipment, and related site work, except as specifically noted in subsequent schedules.
2. Complete building addition at west end including all mechanical and electrical work; all required cutting, patching and demolition work for foundation wall penetration on all sides of building. Work includes complete site grading on all sides of building, but excludes road paving and curbing.
3. Complete re-roofing of existing building including flashings, expansion joints, roof traffic walkways, boiler and incinerator thimbles, mechanical equipment supports; all roof penetrations and curbing required for equipment in subsequent schedules; and all cutting, patching and demolition work.
4. Complete construction of the Necropsy area including all mechanical and electrical work; and all cutting, patching and demolition work. Necropsy surgical lights, photo processing equipment and layout table, and dumbwaiter are excluded from the work of this schedule.
5. Complete construction of kitchen, glassware storage rooms, volatile chemical storage, basement toilets and showers, basement corridor walls leading to the exterior including all doors leading into spaces intended for completion under subsequent schedules; all mechanical and electrical work; and all cutting, patching and demolition work. Corridor vacuumic sterilizer, and dumbwaiter are excluded from the work of this schedule.

6. Casework installation (laboratory furniture with sinks) in Necropsy area, and south side of kitchen.

7. Laboratory Equipment in Contract: Mechanical distilled water system; freezer/cold room environmental chamber complete with refrigeration system but excluding back-up freezer condensing unit.

8. Laboratory Equipment Government Furnished - Contractor Installed (GF-CI): Three necropsy tables; Necropsy sterilizer; three corridor sterilizers; three glassware dryers; two glassware washers; kitchen water still; hot air sterilizer; and soaking vat.

9. Complete installation of the following mechanical equipment including all electrical work, and all required cutting, patching and demolition: Waste sterilization system with one waste treatment tank; hot water boiler, flue, and hot water pumps; air handling units FS-5 and FS-6 including coils, humidifiers and ductwork; exhaust fans for basement. This work shall also include air and water balancing, controls, flow meter read-out kit, start-up with testing of equipment and hood for kitchen soaking vat.

10. Installation of complete automatic fire suppression systems of water and halon throughout the basement area with provisions for future extension to first floor.

**C. SCHEDULE II - INCINERATOR**

1. Complete installation of incinerator including stack and all mechanical and electrical work within the room.

**D. SCHEDULE III - COMPLETION OF BASEMENT**

1. Complete construction of Biological Services area including exhaust hood and casework; Revco storage room; Central Supply spaces; all mechanical and electrical work; and all cutting, patching and demolition work. Freezer/cold room environmental chamber is excluded from the work of this schedule.

2. Laboratory Equipment in Contract: Fume hood with roof fan.

3. Government Furnished - Contractor Installed (GF-CI): Bio-safety cabinet and transition.

**E. SCHEDULE IV - COMPLETION OF BASEMENT EQUIPMENT (Except as Noted)**

1. Complete installation of the following equipment: Electric generator set including fuel tank, piping, and pumps. Refrigeration chiller, cooling tower, chilled and condenser water pumps, piping, controls and relocation of existing cooling tower with concrete slab and enclosure.

2. Casework installation for remainder of kitchen and glassware storage rooms.

**F. SCHEDULE V - DIAGNOSTIC AREA (NIC)**

1. Complete construction of the Diagnostic area including women's toilet/lounge spaces, janitor closet; installation of insulated exterior metal panels; all required cutting, patching and demolition work.

2. Complete building addition at east end including all mechanical and electrical work; all required cutting, patching and demolition work and road with curbing.

3. Complete installation of two dumbwaiters including all mechanical and electrical work, masonry shaft construction and all required cutting and patching.

4. Laboratory Equipment in Contract: Two environmental chambers.

5. Laboratory Equipment Government Furnished - Contractor Installed (GF-CI): Three diagnostic sterilizers, diagnostic ice machines; six egg incubators; and five bio-safety cabinets and transition ducts.

6. Complete installation of the following Mechanical Equipment including All Electrical Work: Second toxic waste tank, steam boiler, flue and condensate pump. This work shall also include all additional air and water balancing, controls, and equipment start-up with testing.

7. Installation of automatic fire suppression system of water and halon throughout the first floor.

**G. SCHEDULE VI - ANCILLARY FACILITIES (NIC)**

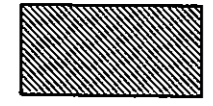
1. Complete construction of first floor Histology and Parasitology Laboratories including casework; all mechanical and electrical work; and all cutting, patching and demolition work.

**H. SCHEDULE VII - COMPLETION OF WORK (Entire Building) (NIC)**

1. Complete construction of first floor library, conference room, men's toilet room area, kitchenette, reception area, offices, including all mechanical and electrical work, and all cutting, patching and demolition work.

2. Complete installation of the following Mechanical Equipment including All Electrical Work: Corridor vacuumic sterilizer, back-up freezer condensing unit, photo processing equipment and layout table, heat recovery system with heat exchangers, bio-services freezer/cold room environmental chambers with refrigeration equipment, and Necropsy Surgical Lights.

3. Reglazing of broken exterior windows and doors with new glass, including all cutting, patching and demolition work.



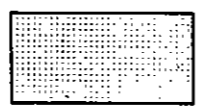
SCHEDULE I



SCHEDULE II



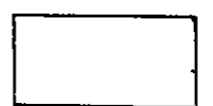
SCHEDULE III



SCHEDULE IV - NIC



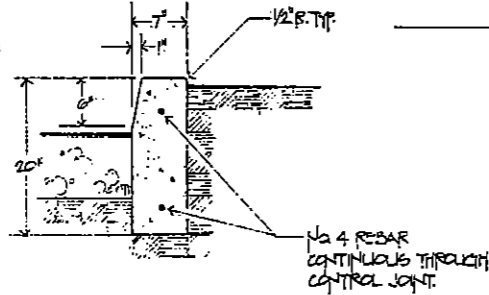
SCHEDULE V - NIC



SCHEDULE VI - NIC

REVISION	STATUS	DATE	DESCRIPTION	BY
<b>NATIONAL WILDLIFE HEALTH LAB</b> <b>BIDDING SCHEDULE &amp; PLANS</b> <b>MADISON, WISCONSIN</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
1/79	HWF	HWF		
				D.E.C. - WI-927-2.0

NOTE: PROVIDE CONTROL JOINTS 8'-0" O.C. PROVIDE 1/2" PREMOULDED EXPANSION JOINTS AT CHANGES IN ALIGNMENT.



1 TYPICAL CONCRETE CURB  
SCALE: 1/2" = 1'-0"

SERVICE RAMP  
2" BITUMINOUS CONCRETE  
8" AGGREGATE BASE

NOTE: EXISTING ASPHALT SHALL BE REMOVED AS REQUIRED TO RE-GRADE EXISTING RAMP TO THE ELEVATIONS SHOWN.

EXISTING RIP-RAP THIS SIDE OF RAMP TO REMAIN IN PLACE.

FUEL TANK  
SEE MECH. DRWG. NO. M-1

STRIP AND STOCKPILE EXISTING RIP-RAP AS REQUIRED FOR GRADING. REPLACE AS SHOWN.

NEW ADDITION WEST

LABORATORY BUILDING

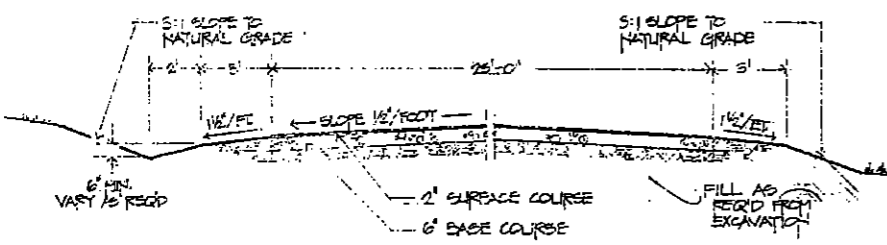
UPPER FLOOR ELEV. 212.0  
LOWER FLOOR ELEV. 200.0

SERVICE AREA  
6" REINF. CONG. SLAB  
6" X 6" W/10" W/10" REIN. MESH  
6" AGGREGATE BASE

CONCRETE CURB

CONCRETE CURB

NOTE: CURB HEIGHT ADJACENT TO BUILDING VARIES. SEE A-20, A-22



TYPICAL CRUSHED STONE ROAD SECTION  
SCALE: 1/2" = 1'-0"

DRAIN - TOP OF GRATE 199.0  
SEE MECH. DRWG. NO. M-1

EXIST. DRAIN TO REMAIN

CURVE:

Δ = 86°30'  
R = 70.00'  
T = 45.89'  
L = 81.25'  
E = 15.70'

CURVE:

Δ = 9°00'  
R = 21.75'  
T = 36.65'  
L = 14.43'  
E = 7.98'

CURVE:

Δ = 7°50'  
R = 672.27'  
T = 44.06'  
L = 88.0'  
E = 1.44'

LEGEND:

- EXISTING CONTOUR
- NEW CONTOUR
- NEW SPOT ELEVATION
- TOP OF CURB
- LIMIT OF GRADING
- EXISTING RIP-RAP
- CONTOUR INTERVAL 2 FEET

*Do not conform to actual*

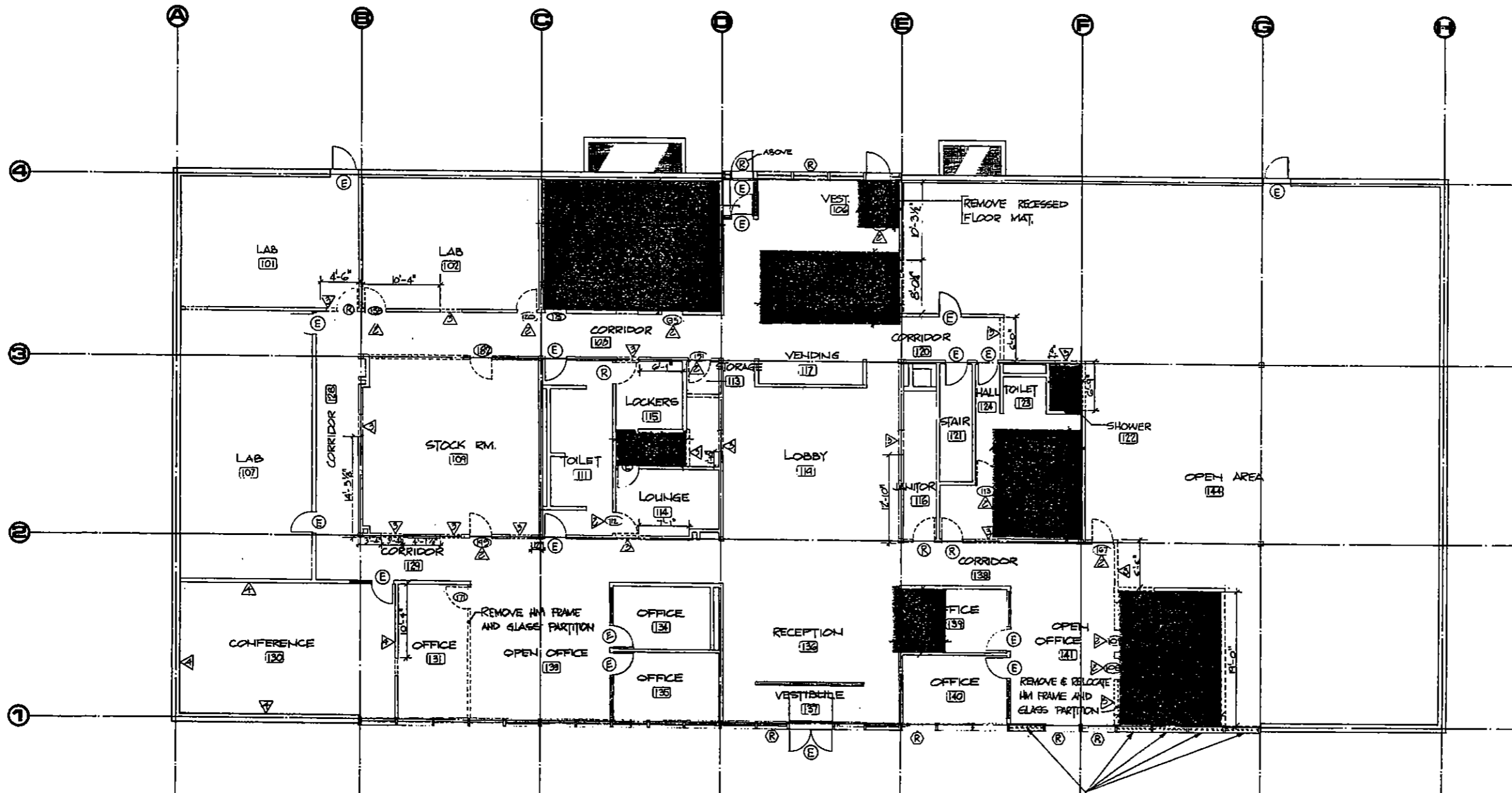


EXISTING ROAD

CRUSHED STONE ROAD  
2" SURFACE COURSE  
6" BASE COURSE

CULVERT  
18" DIA. CORRUGATED METAL PIPE  
FLARED SECTIONS EACH END  
LENGTH AND INVERT ELEVATIONS TO BE DETERMINED BY FIELD CONDITIONS. MIN. COVER 12"

REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB				
MADISON, WISCONSIN				
LAYOUT & GRADING PLAN				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
1/79	JRS	JRS		DEC-WI 927-3.0



NOTES:

- 1 ROOM NUMBERS SHOWN ON THIS PLAN DO NOT RELATE TO ANY OTHER PLAN OR SCHEDULE, EXCEPT SHEET A-5 "DEMOLITION PLAN".
- 2 SEE SHEET A-7, "FIRST FLOOR PLAN" FOR LOCATION OF RELOCATED DOORS; ALSO SEE SHT. A-18, A-6
- 3 SEE SHEETS A-10, 11, 12 FOR DIMENSIONS OF NEW OUT OPENINGS; ALSO SEE SHT. A-7 (DR. KEY) & SHT. A-18/A-19 FOR DR. & FRAME DIM.
- 4 PULL BACK CARPETING IN CONF. RM 130 TO EXPOSE BARE FLOOR BEFORE INSTALLATION OF SILL PLATE FOR NEW GYP. BD. PARTITION AROUND PERIMETER.
- 5 SEE SHEET A-12 FOR LOCATION OF RELOCATED PARTITION

REMOVE EXISTING WINDOW PANELS  
RELOCATE UNBROKEN PANELS AS  
NEEDED. SEE SHEET A-7.

EXISTING DIMENSIONS SHOWN FOR DEMOLITION WORK  
ARE APPROX. FOR BIDDING PURPOSES. EXACT  
DIMENSIONS MUST BE VERIFIED

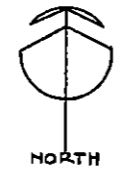
BASEMENT DEMOLITION INDICATED ON SHT A-6.

**FIRST FLOOR DEMOLITION PLAN**

SCALE: 1/8" = 1'-0"

- LEGEND:
- ▬ EXISTING TO REMAIN
  - EXISTING TO BE REMOVED
  - ⊙ EXISTING DOOR TO REMAIN AT SAME LOCATION.
  - ⊖ REMOVE EXISTING DOOR AND FRAME.
  - ⊕ RELOCATE EXISTING DOOR TO NEW DOOR LOCATION NOTED. SEE SHEET A-18.
  - ⊗ REMOVE BROKEN WINDOW PANEL.

■ REMOVE EXISTING FLOORING  
WITHIN INDICATED AREA.



1/8" = 1'-0" 0 4 8 16'

REVISION	STATUS	DATE	DESCRIPTION	BY
<b>NATIONAL WILDLIFE HEALTH LAB</b> <b>DEMOLITION PLAN</b> <b>MADISON, WISCONSIN</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
1/79	HWF	HWF		DEC-WI 927-4.0

# FIRST FLOOR DEMOLITION SCHEDULE

ROOM NO.	DESCRIPTION	FLOOR	BASE	WALLS				CEILING	CEILING HEIGHT	BID SCHED	REMARKS	
				N	S	E	W					
101	LAB	VAT	COVE	BLK	BLK	BLK	BLK	AT	0	10-0	VII	
102	LAB	VAT	COVE	BLK	BLK	BLK	BLK	AT	0	10-0	VII	
103	LAB	VAT	COVE	BLK	BLK	BLK	BLK	AT	0	10-0	VII	
104	VESTIBULE	VAT	COVE	W.W.	W.W.	W.W.	BLK	AT	0	9-0	VII	
105	LOUNGE	VAT	COVE	W.W.	---	BLK	BLK	AT	0	9-0	VII	
106	VESTIBULE	VAT	COVE	W.W.	W.W.	BLK	W.W.	AT	0	9-0	VII	REMOVE RECESSED FLOOR MATS
107	LAB	VAT	COVE	BLK	BLK	BLK	BLK	AT	0	10-0	VII	
108	CORRIDOR	CON	COVE	BLK	BLK	---	---	AT	0	8-0	VII	
109	STOCK ROOM	CON	---	BLK	BLK	BLK	BLK	---	---	---	VII	
111	TOILET (M)	C.T.	C.T.	C.T.	C.T.	BLK	C.T.	PLAST	---	8-0	VII	CT ON BLK WALLS
112	SHOWER RM (M)	C.T.	C.T.	C.T.	C.T.	C.T.	C.T.	PLAST	---	8-0	VII	REMOVE ALL CERAMIC TILE
113	STORAGE	CON	---	BLK	BLK	BLK	BLK	---	---	---	VII	
114	LOUNGE (M)	VAT	COVE	BLK	BLK	BLK	BLK	AT	0	8-0	VII	
115	LOCKER RM (M)	C.T.	C.T.	BLK	BLK	BLK	BLK	PLAST	---	8-0	VII	CT ON BLK WALLS
116	JANITORS CLOSET	CON	C.T.	BLK	BLK	BLK	BLK	---	---	---	V	
117	VENDING MACH. ALOYE	VAT	COVE	---	W.D.	W.D.	W.D.	AT	0	9-0	---	
119	LOBBY	VAT	COVE	---	---	BLK	BLK	AT	0	9-0	VII	WOOD paneled BLK WALLS
120	CORRIDOR	VAT	COVE	BLK	BLK	BLK	---	AT	0	8-0	VII	
121	STAIRWELL	CON	COVE	BLK	BLK	BLK	BLK	---	---	---	I	RUBBERTREADS TO REMAIN
122	SHOWER RM (W)	C.T.	C.T.	BLK	BLK	BLK	BLK	PLAST	---	8-0	V	REMOVE ALL CERAMIC TILE
123	TOILET (W)	C.T.	C.T.	BLK	---	C.T.	C.T.	PLAST	---	8-0	V	CT ON BLK WALLS
124	HALL	C.T.	C.T.	BLK	---	BLK	BLK	PLAST	---	8-0	V	
125	LOCKER RM (W)	C.T.	C.T.	BLK	BLK	C.T.	C.T.	PLAST	---	8-0	V	CT ON BLK WALLS
126	LOUNGE (W)	VAT	COVE	BLK	BLK	BLK	BLK	AT	0	8-0	V	
128	CORRIDOR	VAT	COVE	---	---	BLK	BLK	AT	0	8-0	VII	
129	CORRIDOR	VAT	COVE	BLK	BLK	---	---	AT	0	9-0	VII	
130	CONFERENCE -	CARP	VINYL	BLK	BLK	BLK	BLK	AT	0	9-0	VII	
131	OFFICE	VAT	COVE	BLK	W.W.	W.W.	BLK	AT	0	9-0	VII	RELOCATE DOOR FRAME (SIDELIGHT)
139	OPEN OFFICE	VAT	COVE	---	W.W.	W.W.	W.W.	AT	0	9-0	VII	
134	OFFICE	VAT	COVE	BLK	BLK	BLK	W.W.	AT	0	9-0	VII	
135	OFFICE	VAT	COVE	BLK	W.W.	BLK	W.W.	AT	0	9-0	VII	
136	RECEPTION	VAT	COVE	---	W.W.	BLK	BLK	AT	0	9-0	VII	WOOD paneled BLK WALLS
137	VESTIBULE	VAT	COVE	W.W.	W.W.	BLK	BLK	AT	0	9-0	VII	
138	CORRIDOR	VAT	COVE	BLK	BLK	BLK	---	AT	0	9-0	VII	
139	OFFICE	VAT	COVE	BLK	BLK	W.W.	BLK	AT	0	9-0	VII	
140	OFFICE	VAT	COVE	BLK	W.W.	W.W.	BLK	AT	0	9-0	VII	
141	OPEN OFFICE	VAT	COVE	---	W.W.	W.W.	W.W.	AT	0	9-0	VII	
142	OFFICE	VAT	COVE	BLK	BLK	BLK	BLK	AT	0	9-0	VII	
144	OPEN AREA	CON	---	BLK	BLK	BLK	BLK	---	---	---	VII	

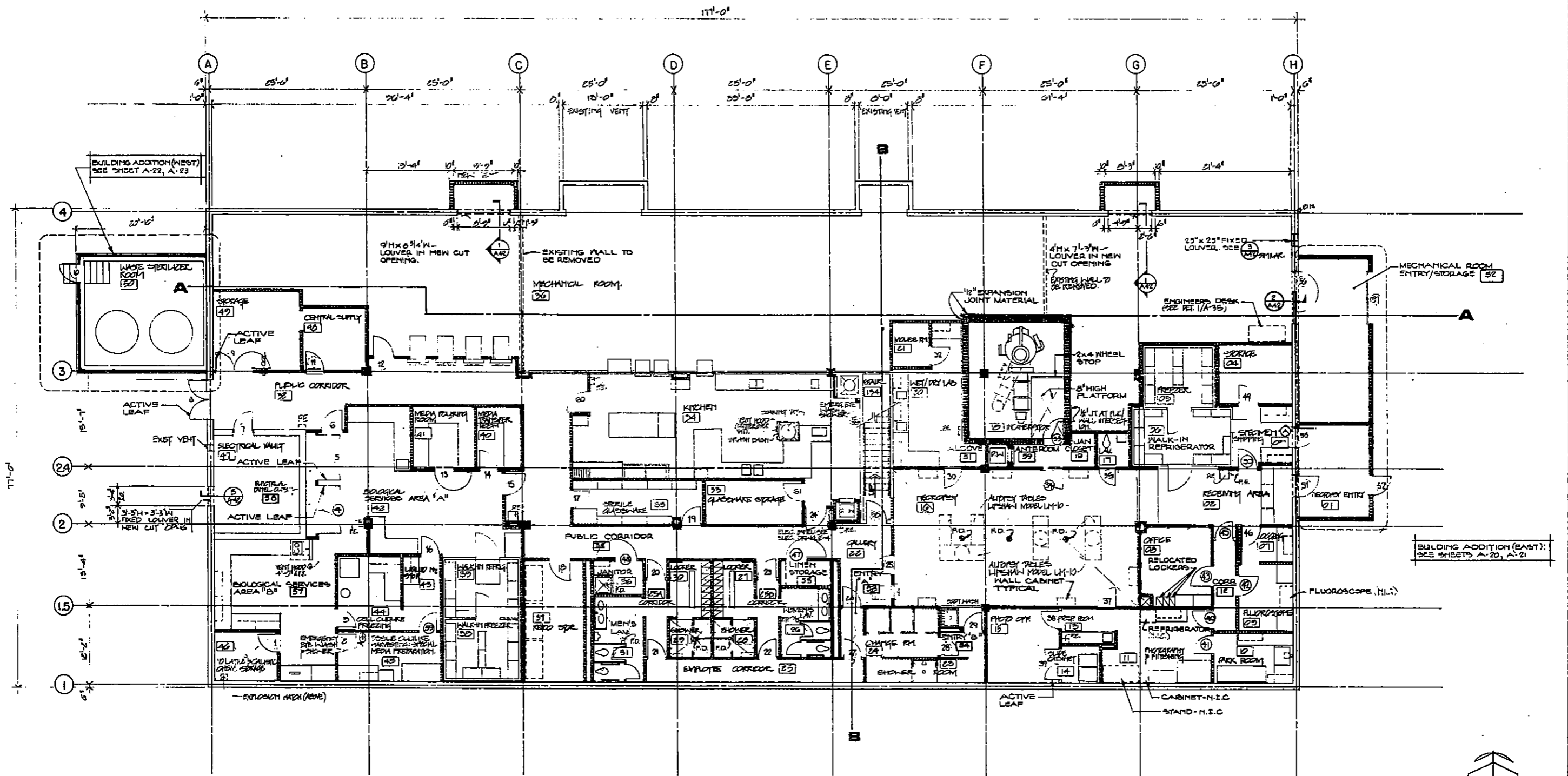
**LEGEND:**

- DEMOLISH
- PARTIAL DEMOLISH
- EXISTING TO REMAIN
- REMOVE AND REUSE
- VAT VINYL ASBESTOS TILE
- CON CONCRETE
- C.T. CERAMIC TILE
- CARP CARPETING
- BLK. CONC. MASONRY BLOCK
- W.W. WINDOW PANEL AND FRAME
- AT. ACOUSTIC CEILING TILES
- PLAST. PLASTER
- W.D. WOOD PANELING

**NOTES:**

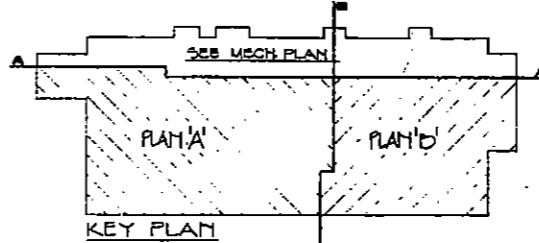
1. ROOM NUMBERS USED ON THIS SHEET DO NOT RELATE TO ANY OTHER SHEET EXCEPT DEMOLITION PLAN, A-4
2. SEE SHEET A-2 FOR BIDDING SCHEDULE AND BIDDING PLAN.

REVISION	STATUS	DATE	DESCRIPTION	BY
<b>NATIONAL WILDLIFE HEALTH LAB</b> <b>DEMOLITION SCHEDULE</b> <b>MADISON, WISCONSIN</b>				
DATE 1/79	DESIGNED HWF	DRAWN HWF	CHECKED	DRAWING NO. DEC-WI 927-5.0

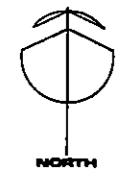


**BASEMENT FLOOR PLAN**  
 SCALE: 1/8" = 1'-0"

**LEGEND**  
 [Solid line] EXISTING PARTITION  
 [Dashed line] NEW PARTITION

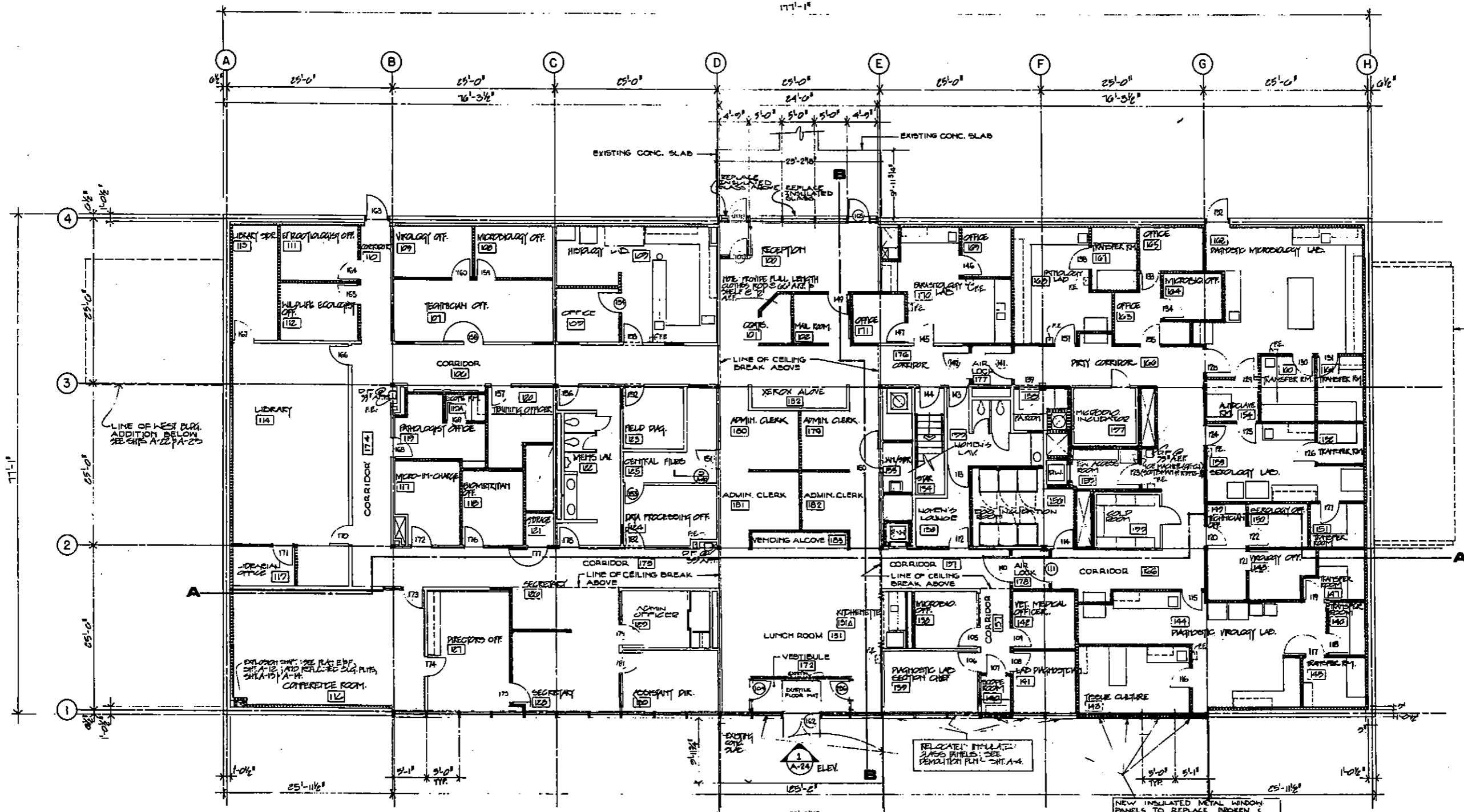


1/8" = 1'-0" 0' 4' 8' 16'



REVISION	DATE	DESCRIPTION	BY

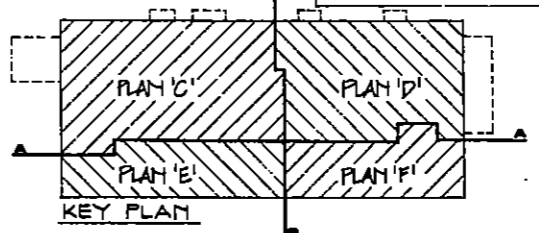
**NATIONAL WILDLIFE HEALTH LAB**  
**BASEMENT FLOOR PLAN**  
**MADISON, WISCONSIN**  
 DESIGNED: CRJ | DRAWN: CRJ | CHECKED: [ ] | DATE: 1/79 | DRAWING NO.: [ ] | SPEC. REF: [ ]



**FIRST FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

**LEGEND**  
 [Symbol] EXISTING PARTITION  
 [Symbol] NEW PARTITION

**NOTE:** USE 2 EXISTING INSULATED GLASS PANELS TO REPLACE BROKEN WINDOWS. PROVIDE 3 NEW INSULATED GLASS PANELS AS NECESSARY.



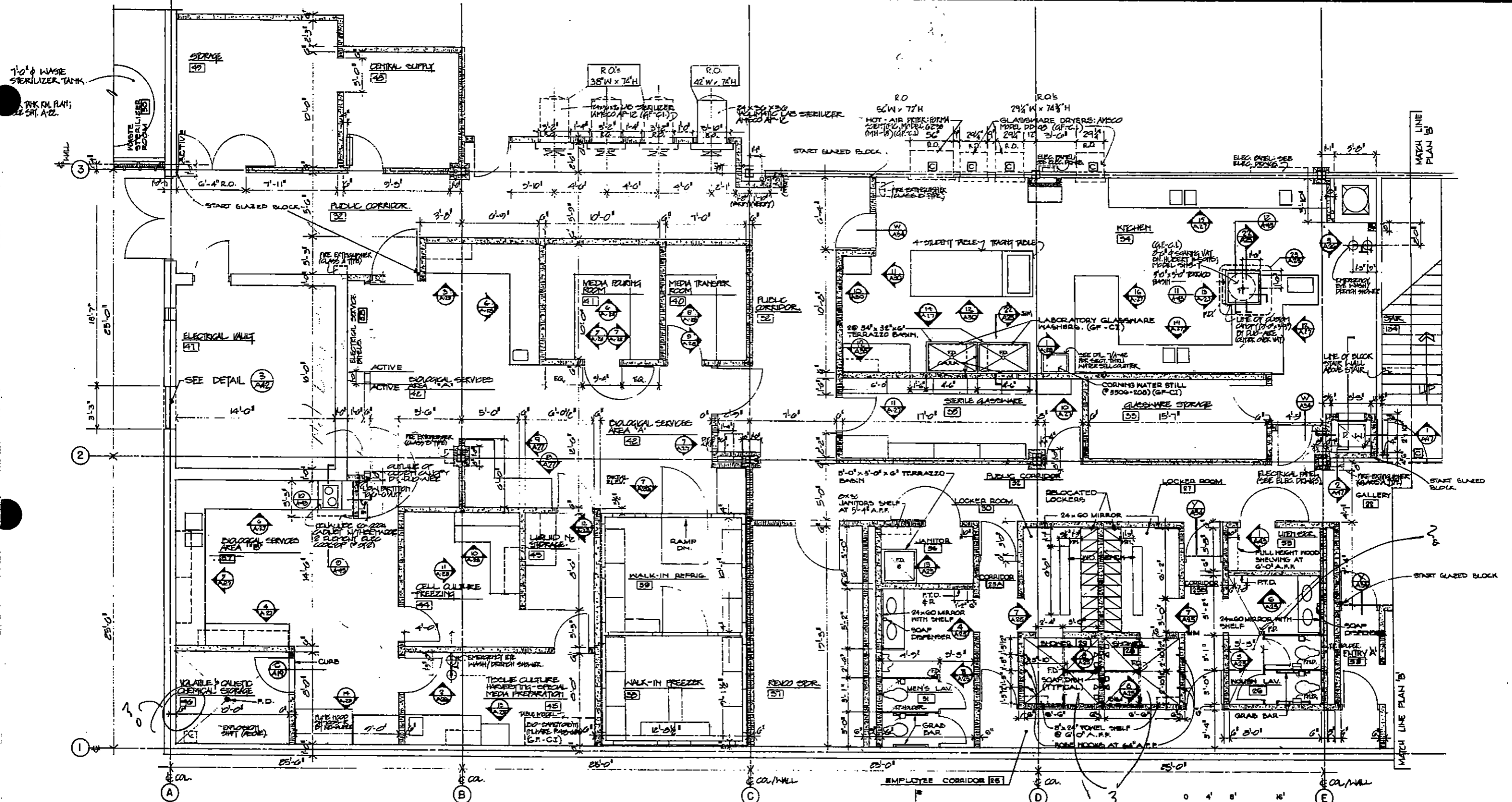
REVISION	DATE	DESCRIPTION	BY

**NATIONAL WILDLIFE HEALTH LAB**

**FIRST FLOOR PLAN**

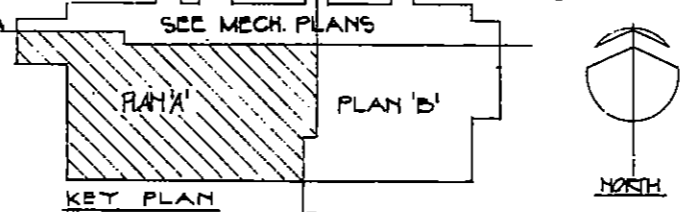
MADISON, WISCONSIN

DESIGNED C.R.J.	DRAWN C.R.J.	CHECKED	DATE 1/79	DRAWING NO. DEC-WI 927-70
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PLAN 'A' FLOOR PLAN  
SCALE: 1/4" = 1'-0"

- LEGEND**
- EXIST. PARTITION/WALL.
  - NEW GYP. DO. ON STEEL STUD PARTITION.
  - NEW CONCRETE BLOCK PARTITION.
  - NEW CUT OPENING.



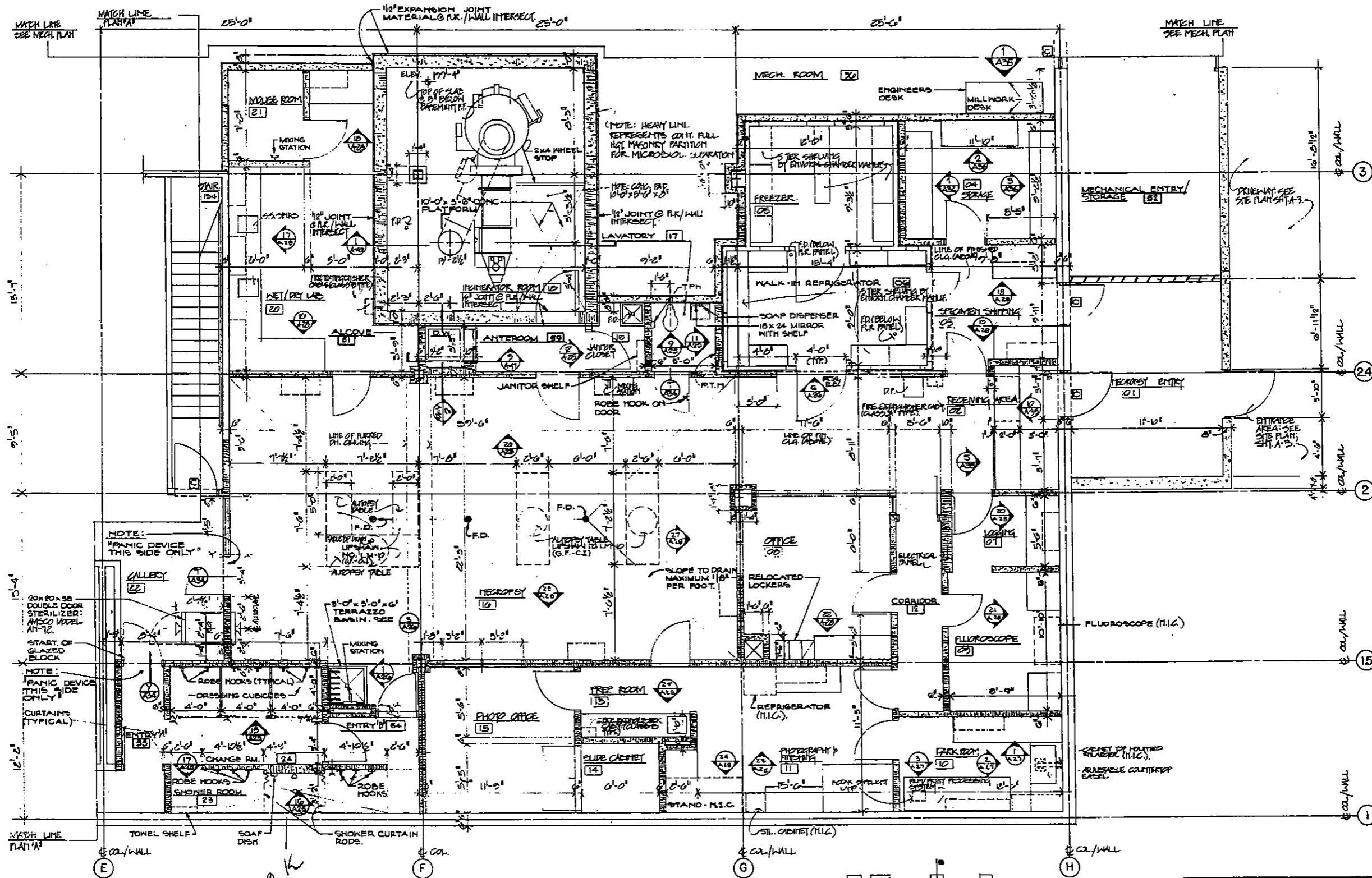
1/8" = 1'-0"

REVISION	STATUS	DATE	DESCRIPTION	BY

NATIONAL WILDLIFE HEALTH LAB  
MADISON, WISCONSIN

**BASEMENT FLOOR PLAN 'A'**

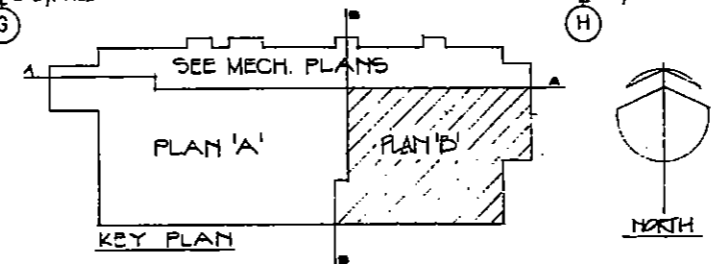
DATE 1/79	DESIGNED CRJ	DRAWN CRJ	CHECKED	DRAWING NO. DEC-WI 927-8.0
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927-75

PLAN 'B' FLOOR PLAN  
SCALE: 1/4" = 1'-0"

- LEGEND**
- EXIST. PARTITION/WALL.
  - NEW GYP. BD. ON STEEL STUD PARTITION.
  - NEW CONCRETE BLOCK PARTITION
  - NEW CUT OPENING. SEE SHEET 5-1



REVISION	STATUS	DATE	DESCRIPTION	BY

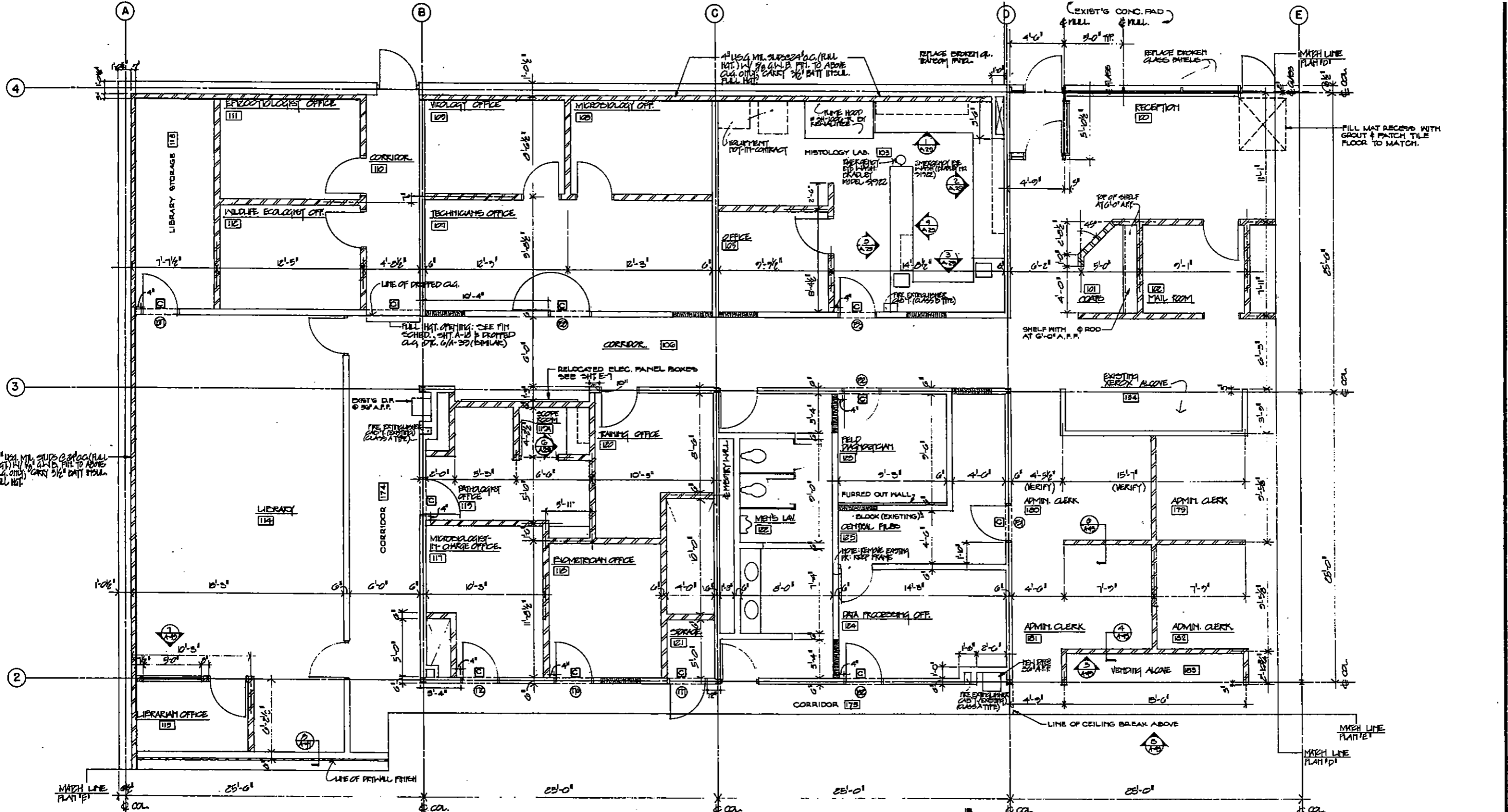
**NATIONAL WILDLIFE HEALTH LAB**

**MADISON, WISCONSIN**

**BASEMENT FLOOR PLAN 'B'**

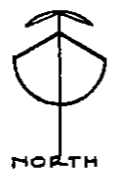
DATE 1/79	DESIGNED CJR	DRAWN CJR	CHECKED CJR	DRAWING NO. DEC-WI 927-9.0
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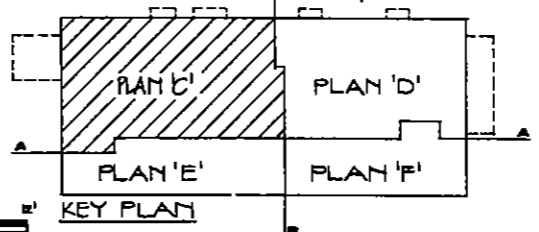


PLAN 'C' FLOOR PLAN  
SCALE: 1/4" = 1'-0"

- LEGEND**
- EXIST. PARTITION/WALL.
  - NEW GYP. BD. ON STEEL STUD PARTITION.
  - NEW CONCRETE BLOCK PARTITION.
  - NEW CUT OPENINGS. SEE SHEET A-16.



1/4" = 1'-0"



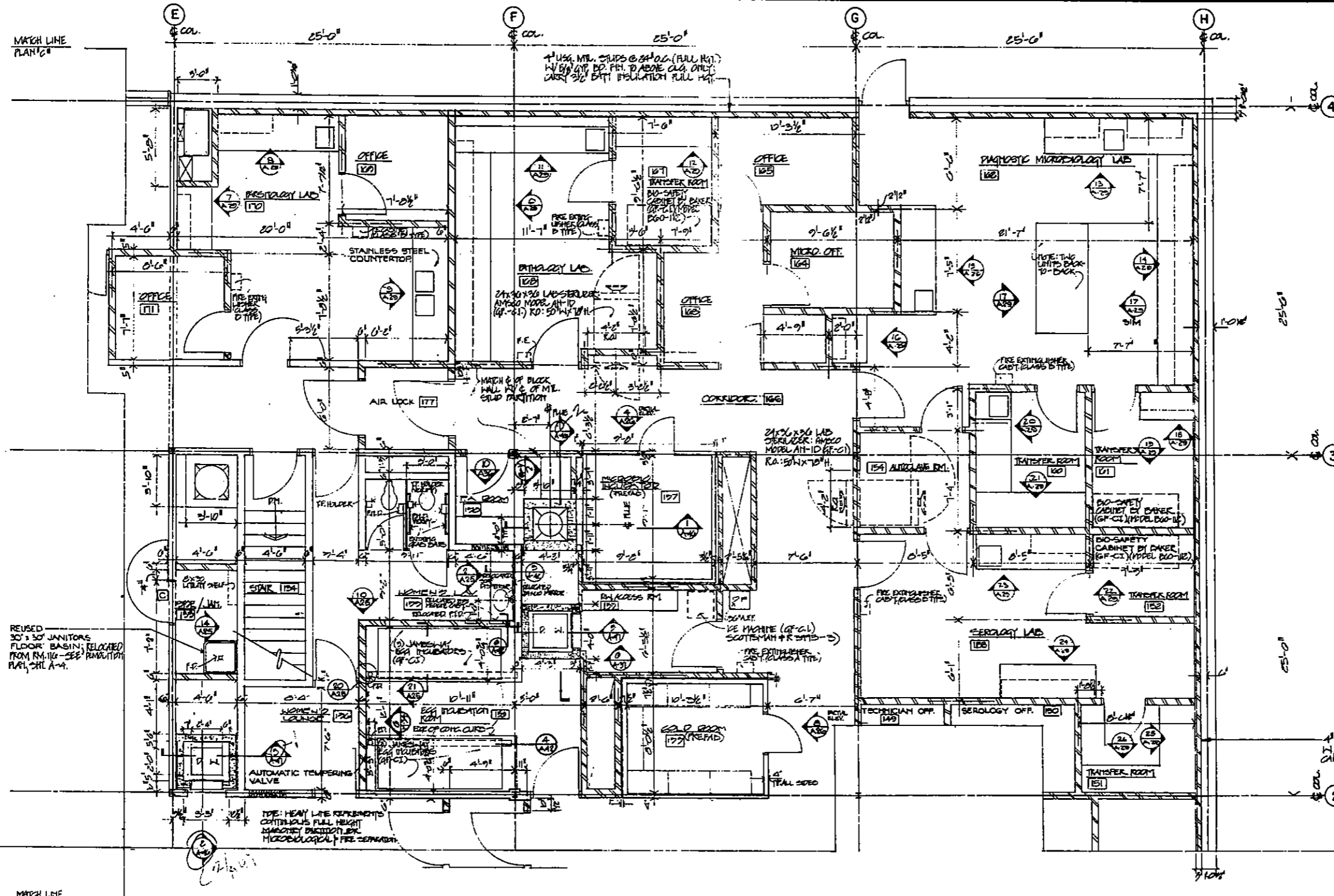
REVISION	STATUS	DATE	DESCRIPTION	BY

**NATIONAL WILDLIFE HEALTH LAB**

**MADISON, WISCONSIN**

**FIRST FLOOR PLAN 'C'**

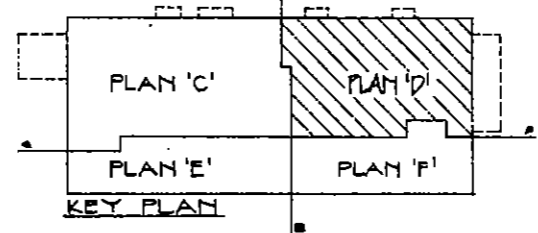
DATE 1/79	DESIGNED CRJ	DRAWN CRJ	CHECKED	DRAWING NO. DEC-WH 927-10.0
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REUSED  
30" x 30" JANITORS  
FLOOR BASINS; RELIEVED  
FROM RM. 110 - SEE REVOLUTION  
PLAN, SHEET A-4.

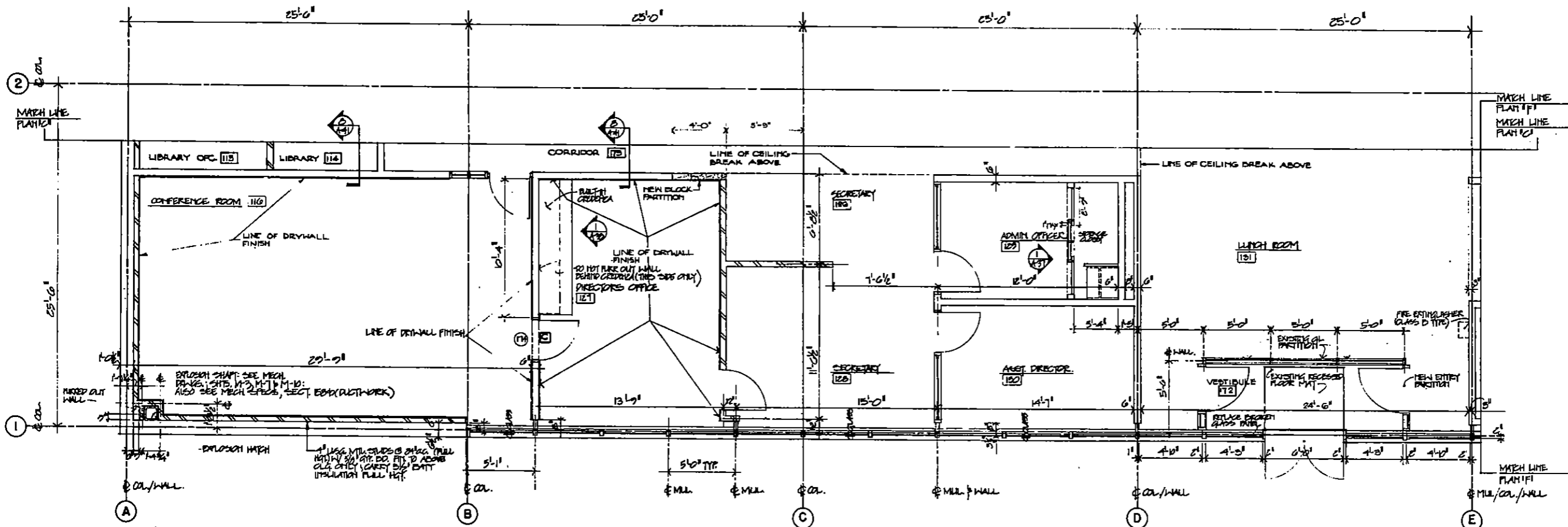
PLAN 'D' FLOOR PLAN  
SCALE: 1/4" = 1'-0"

- LEGEND**
- EXST. PARTITION/WALL.
  - NEW GYP. BO. ON STEEL STUD PARTITION
  - NEW CONCRETE BLOCK PARTITION.
  - NEW CUT OPENINGS. SEE SHEET A-18.



1/8" = 1'-0" 0 4' 8' 16'

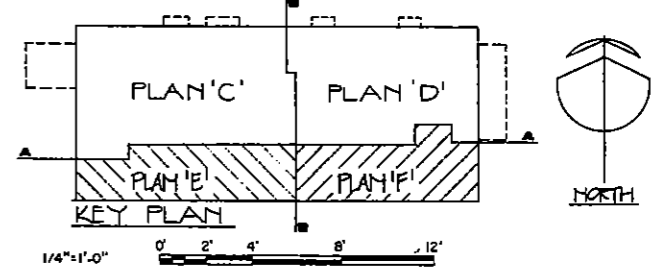
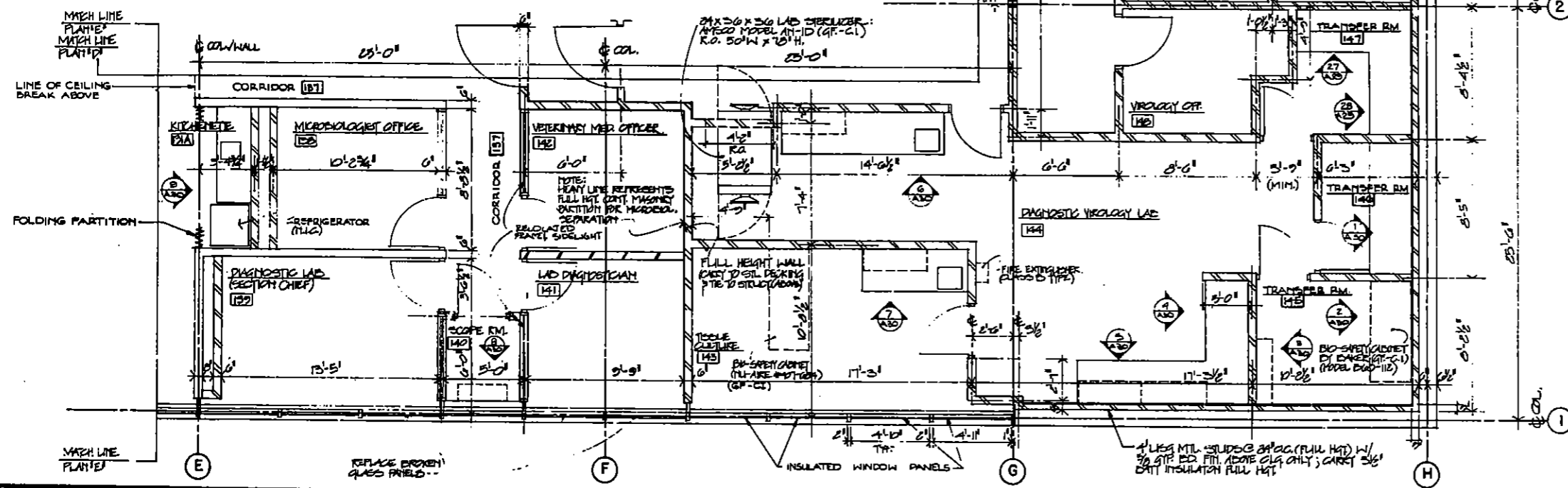
REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB				
<b>FIRST FLOOR PLAN 'D'</b>				
MADISON, WISCONSIN				
DATE 1/79	DESIGNED CRJ	DRAWN CRJ	CHECKED	DRAWING NO. DEC-WI 927-11.0



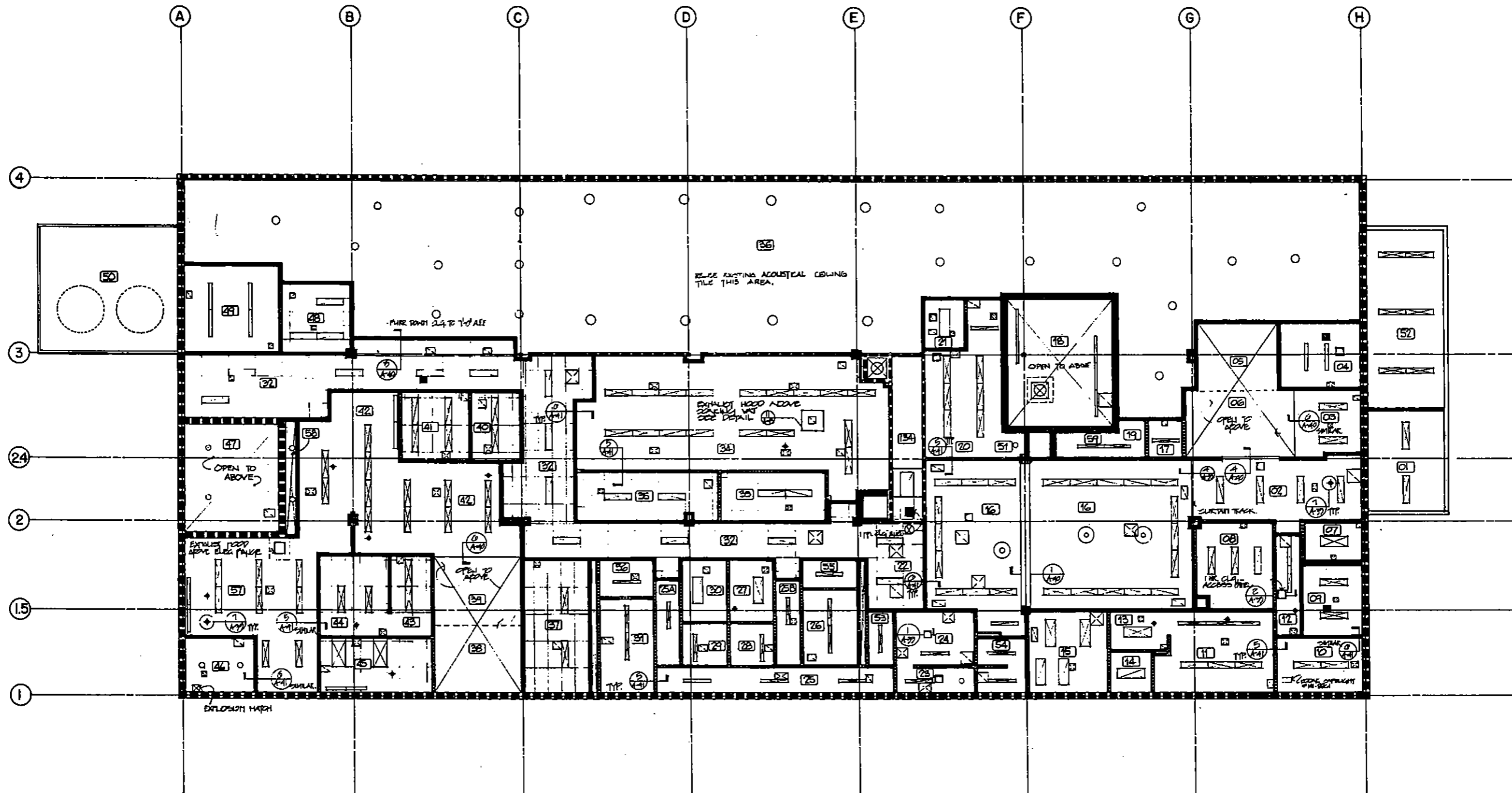
PLAN 'E' FLOOR PLAN  
SCALE: 1/4" = 1'-0"

PLAN 'F' FLOOR PLAN  
SCALE: 1/4" = 1'-0"

- LEGEND**
- EXIST. PARTITION/WALL
  - NEW GYP. BO. ON STEEL STUD PARTITION.
  - NEW CONCRETE BLOCK PARTITION
  - NEW CUT OPENING. SEE SHEET A-16



REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB				
<b>FLOOR PLANS 'E' &amp; 'F'</b>				
<b>MADISON, WISCONSIN</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
1/79	C.R.J.	C.R.J.		DEC-WI 927-12.0



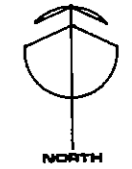
**BASEMENT REFLECTED CEILING PLAN**

SCALE: 1/8" = 1'-0"

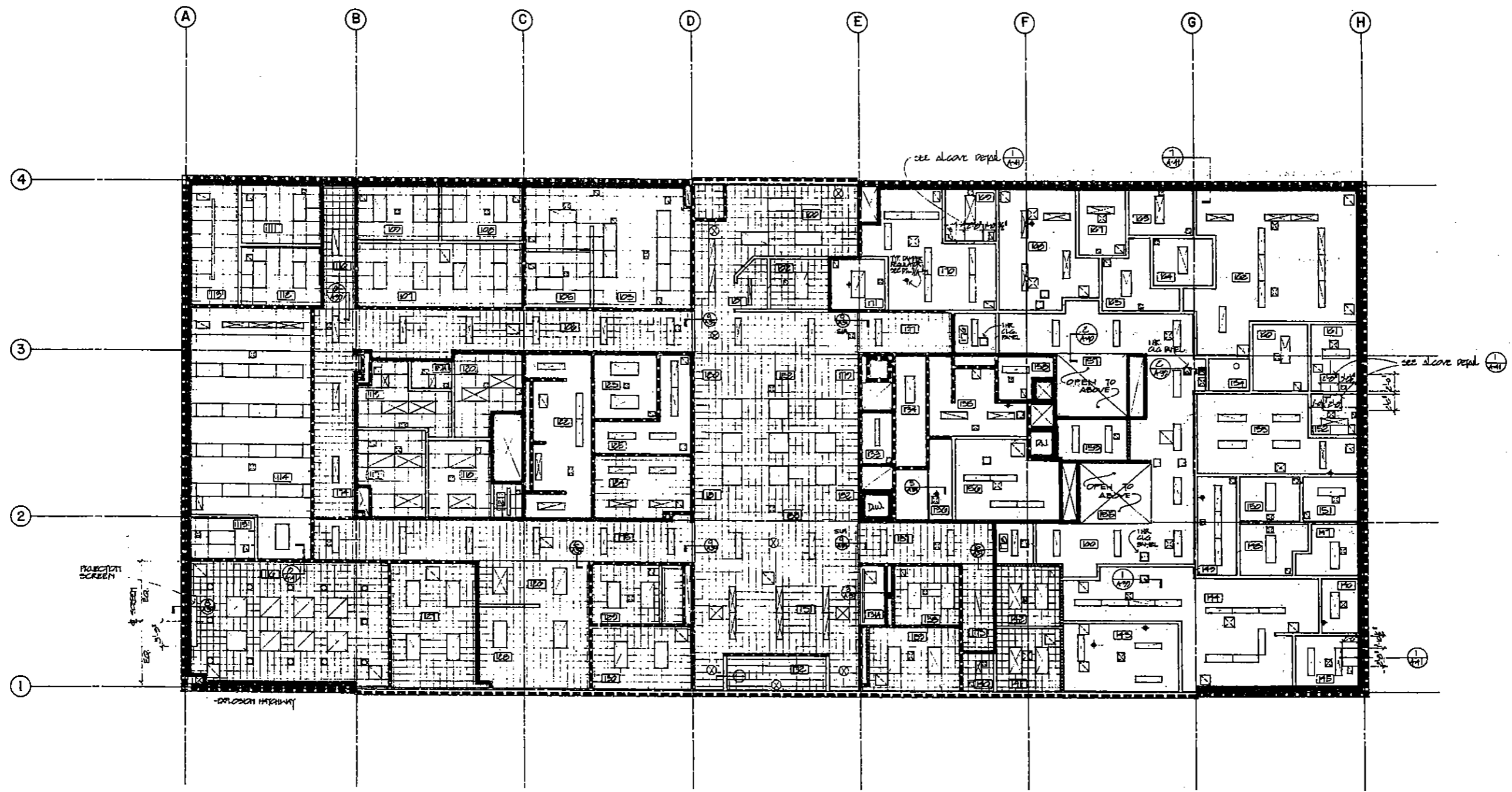
- LEGEND:**
- ceiling access panel: 6"x6"
  - ⊕ rafter regulator
  - ▬ all new wall partition to underside of floor slab above
  - ▬▬▬ wall partition above ceiling
  - ▬▬▬ wall partition to underside of ceiling
  - ▬▬▬ existing wall partition
  - ⊙ EXIT LIGHT FIXTURE, CEILING MOUNTED

- LEGEND (CONT)**
- ⊙ LIGHT FIXTURES: SEE ELECT PLANS/SPECS.
  - ⊠ REPT AIR DIFFUSER: SEE REPT PLANS/SPECS
  - ⊞ BRASSY GRILL: SEE REPT PLANS/SPECS

- LEGEND: (CONTD)**
- ▬ TYPE 'A' ACOUSTIC CEILING TILE: 2'x2'
  - ▬ TYPE 'B' ACOUSTIC CEILING TILE: 1'x1'
  - ▬ TYPE 'C' ACOUSTIC CEILING TILE: 2'x4'
- 1/8" = 1'-0" 0 4 8 16'



REVISION	STATUS	DATE	DESCRIPTION	BY
<b>NATIONAL WILDLIFE HEALTH LAB</b>				
<b>MADISON, WISCONSIN</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
1/79	CRJ	DLP		DEC-WI 927-13.0



**FIRST FLOOR REFLECTED CEILING PLAN**

SCALE: 1/8" = 1'-0"  
 LEGEND:

- ▤ ceiling access panel: 2'-0" x 2'-0"
- ⊕ raised recessed
- ▬ full height wall partition to underside of floor slab above
- ▬ wall partition above ceiling
- ▬ wall partition to underside of ceiling
- ▬ existing wall partition

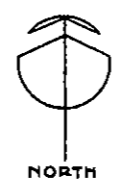
NOTE: see elev. plans/specs for location of existing light fixtures  
 or for ceiling

LEGEND: (CONT.)

- light fixtures: see elev. plans/specs
- ⊗ fresh air diffuser: see elev. plans/specs
- ⊠ exhaust grill: see elev. plans/specs
- ⊙ EXIT LIGHT FIXTURE, CEILING MOUNTED

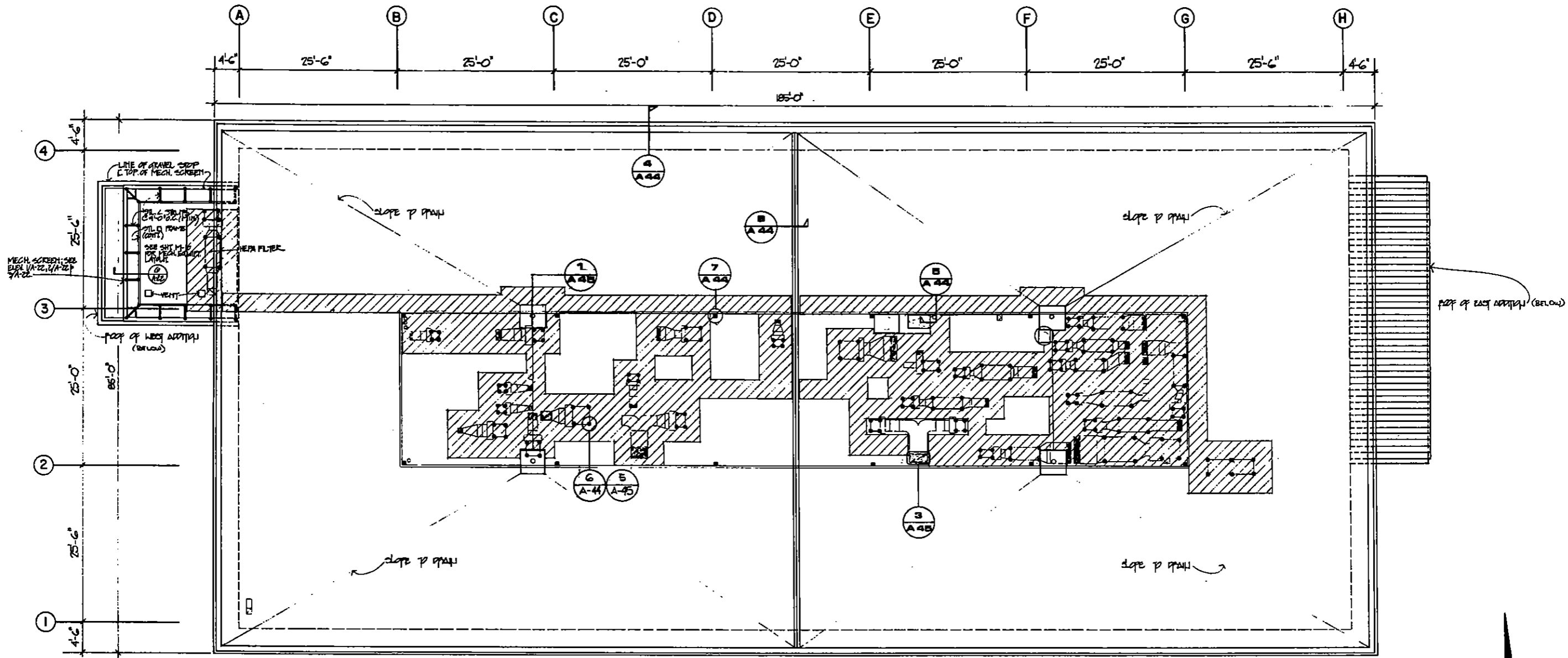
LEGEND: (CONT.)

- ▬ TYPE 'A' ACOUSTIC CLG. TILE: 2' x 2'
- ▬ TYPE 'B' ACOUSTIC CLG. TILE: 1' x 1'
- ▬ TYPE 'C' ACOUSTIC CLG. TILE: 2' x 4'



1/8" = 1'-0" 0 4 8 16

REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB			REFLECTED CEILING PLAN (FIRST FLOOR)	
MADISON, WISCONSIN				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
1/79	CRJ	DLP		DEC-WI-927-14.0



**ROOF PLAN**

SCALE: 1/8" = 1'-0"

**LEGEND**

- LOCATION OF NEW ROOFMENT SUPPORT POSTS/STALS: 6  
A-44 5  
A-45
- LOCATION OF EXISTING SCREEN COL. SUPPORT
- ROOF DRAIN
- ▨ AREA TO BE COVERED BY WALKWAY PANELS

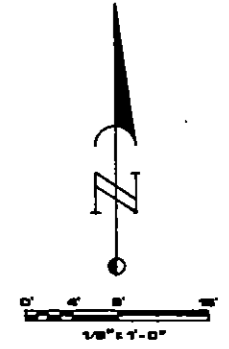
**SEE DETAILS**



**NOTES:**

1. SEE DETAILS 2  
A-45 3  
A-45 & 4  
A-45 FOR CURBS AROUND ROOF PENETRATIONS

2. SEE DETAIL 7  
A-44 FOR NEW PITCH PAN AROUND EXISTING SCREEN COLUMN SUPPORTS



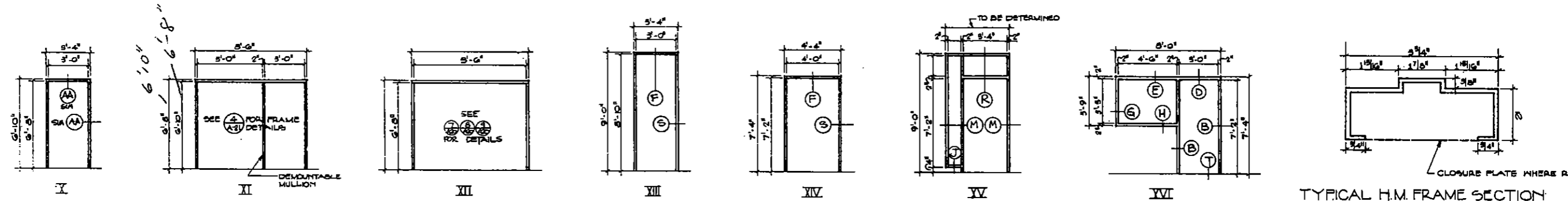
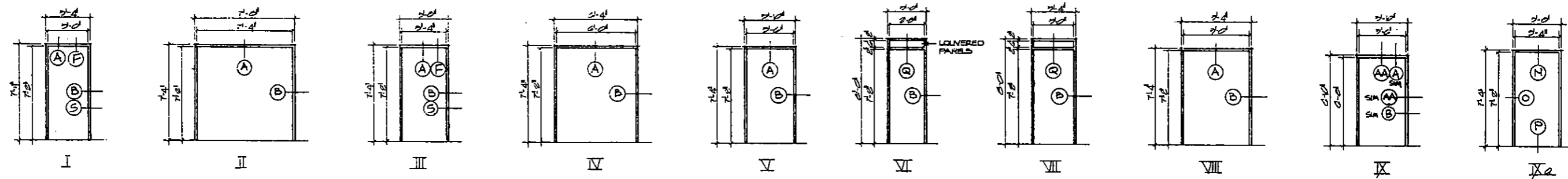
REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB			<b>ROOF PLAN</b>	
MADISON, WISCONSIN				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
1/79	HWF	G.N.		DEC-WI-927-15.0





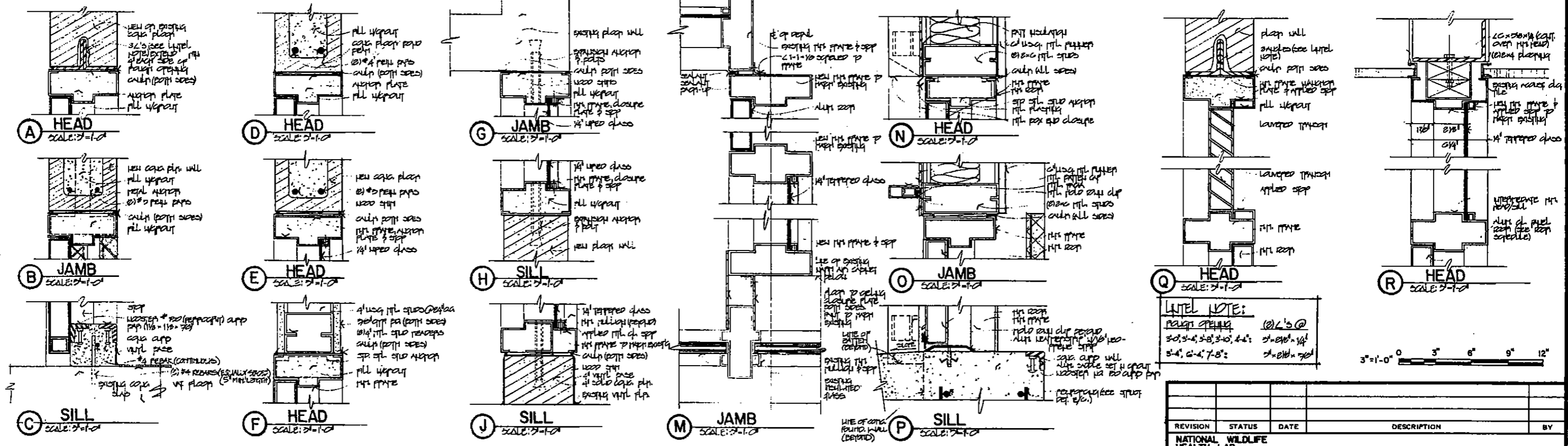






TYPICAL H.M. FRAME SECTION  
SCALE: 1/2" = 1'-0"

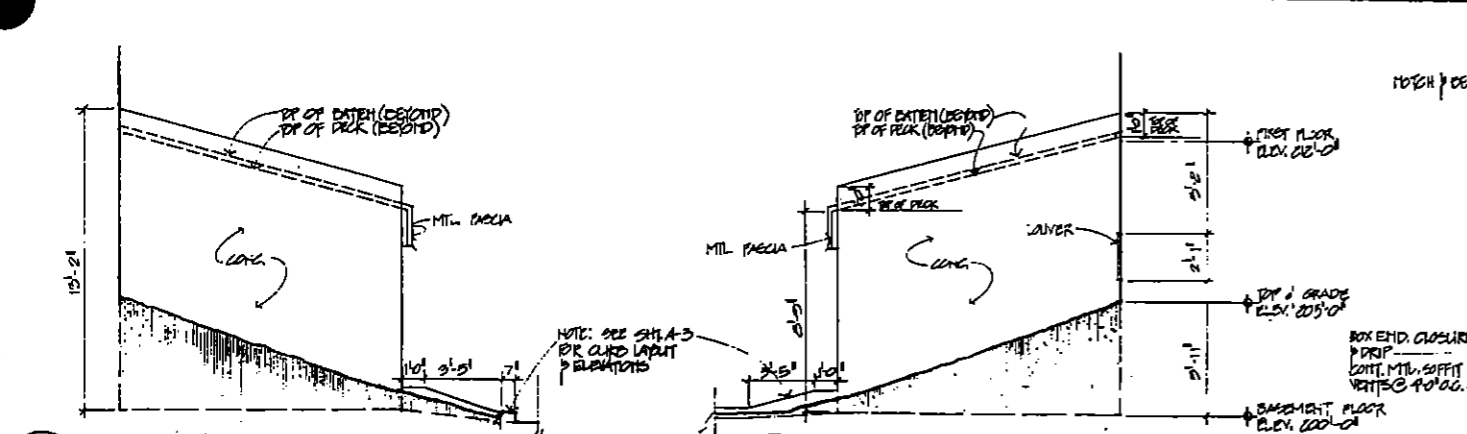
-SEE SHEET A-34 FOR OTHER FRAME DETAILS.



LINEL NOTE:  
 PANEL OPENING @ 1/2" @  
 3'-0", 3'-4", 3'-8", 3'-10", 4'-0" 2" @ 1/2" @ 1/2"  
 5'-4", 6'-4", 7'-8" 2" @ 1/2" @ 1/2"

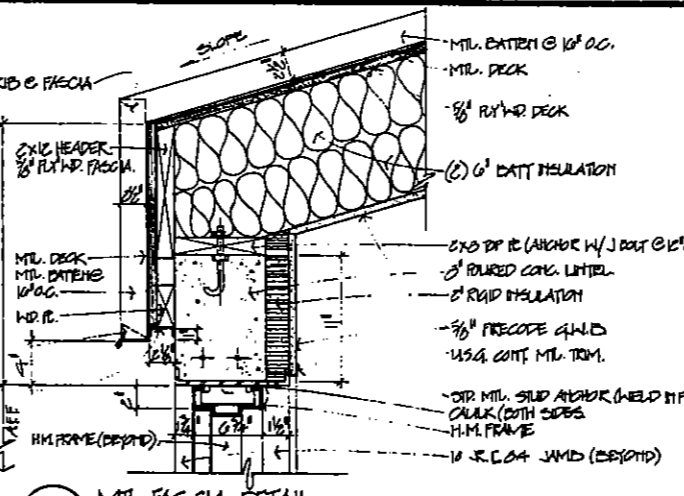


REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB				
MADISON, WISCONSIN				
<b>DOOR &amp; FRAME DETAILS</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
1/79	HWF	DLP		DEC-WI 970-19.0

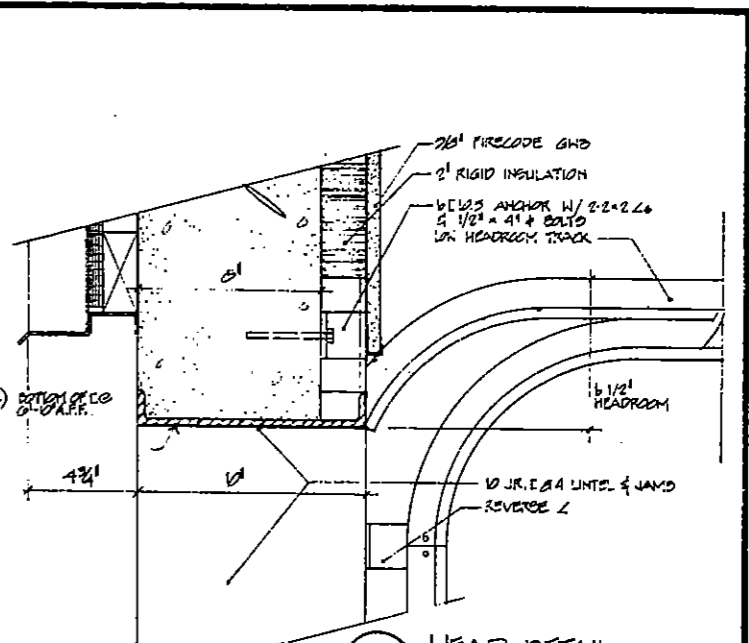


1 SOUTH ELEVATION (OF EAST ADDITION)  
SCALE: 1/4" = 1'-0"

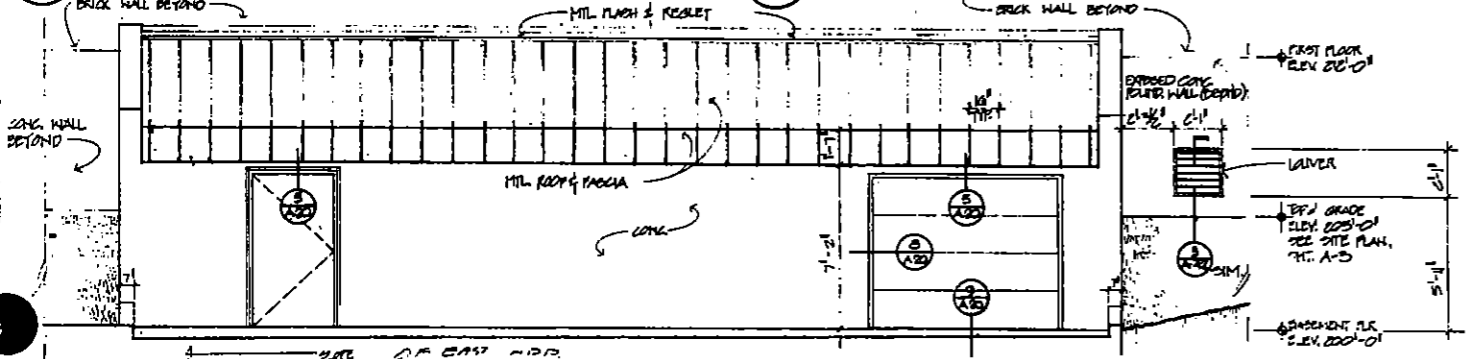
2 NORTH ELEVATION (OF EAST ADDITION)  
SCALE: 1/4" = 1'-0"



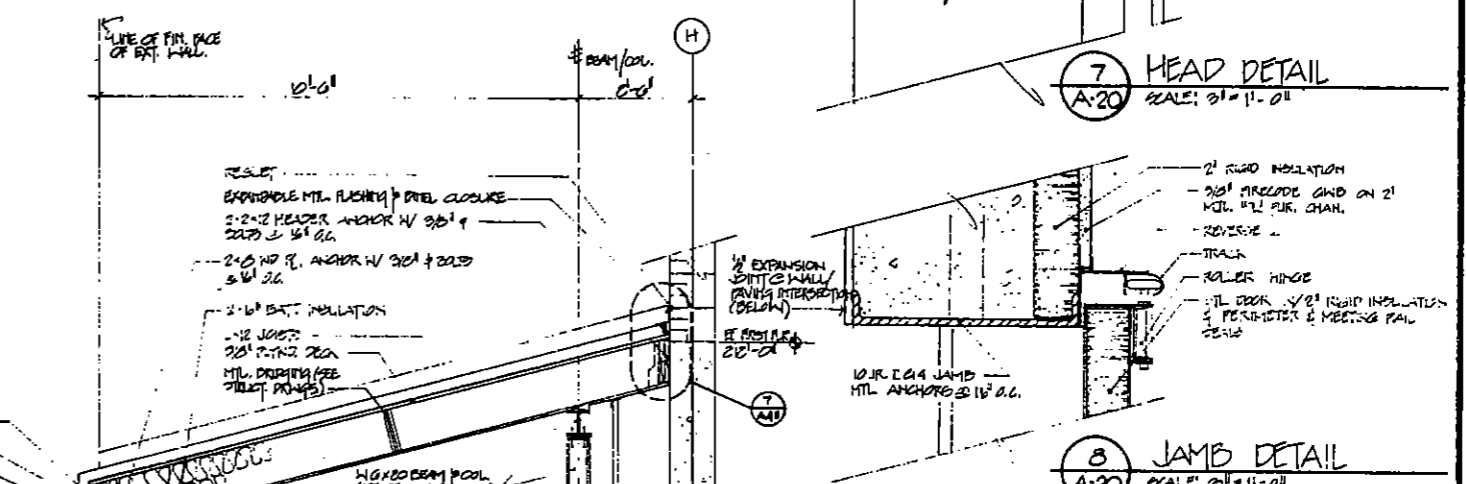
5 METAL FASCIA DETAIL  
SCALE: 1/2" = 1'-0"



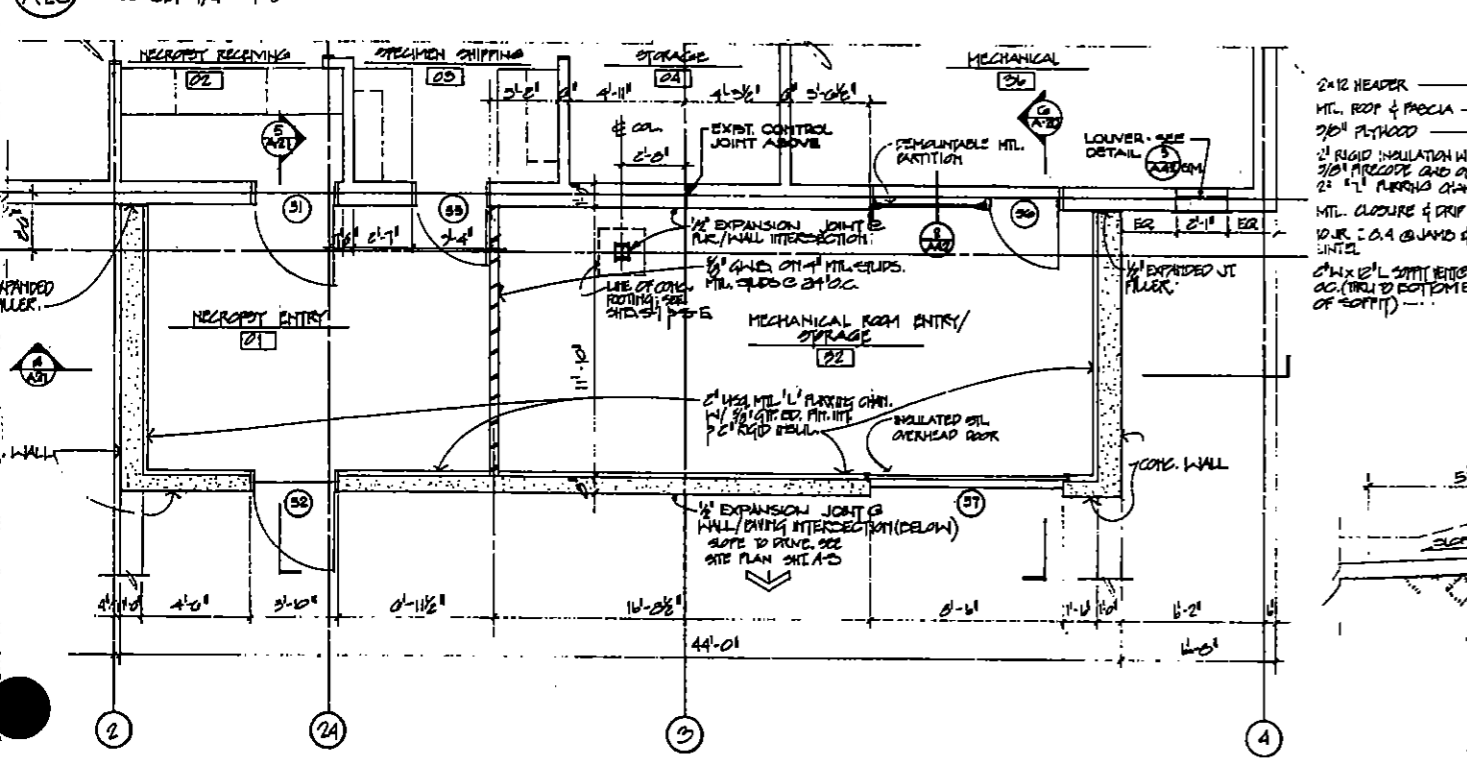
7 HEAD DETAIL  
SCALE: 3/8" = 1'-0"



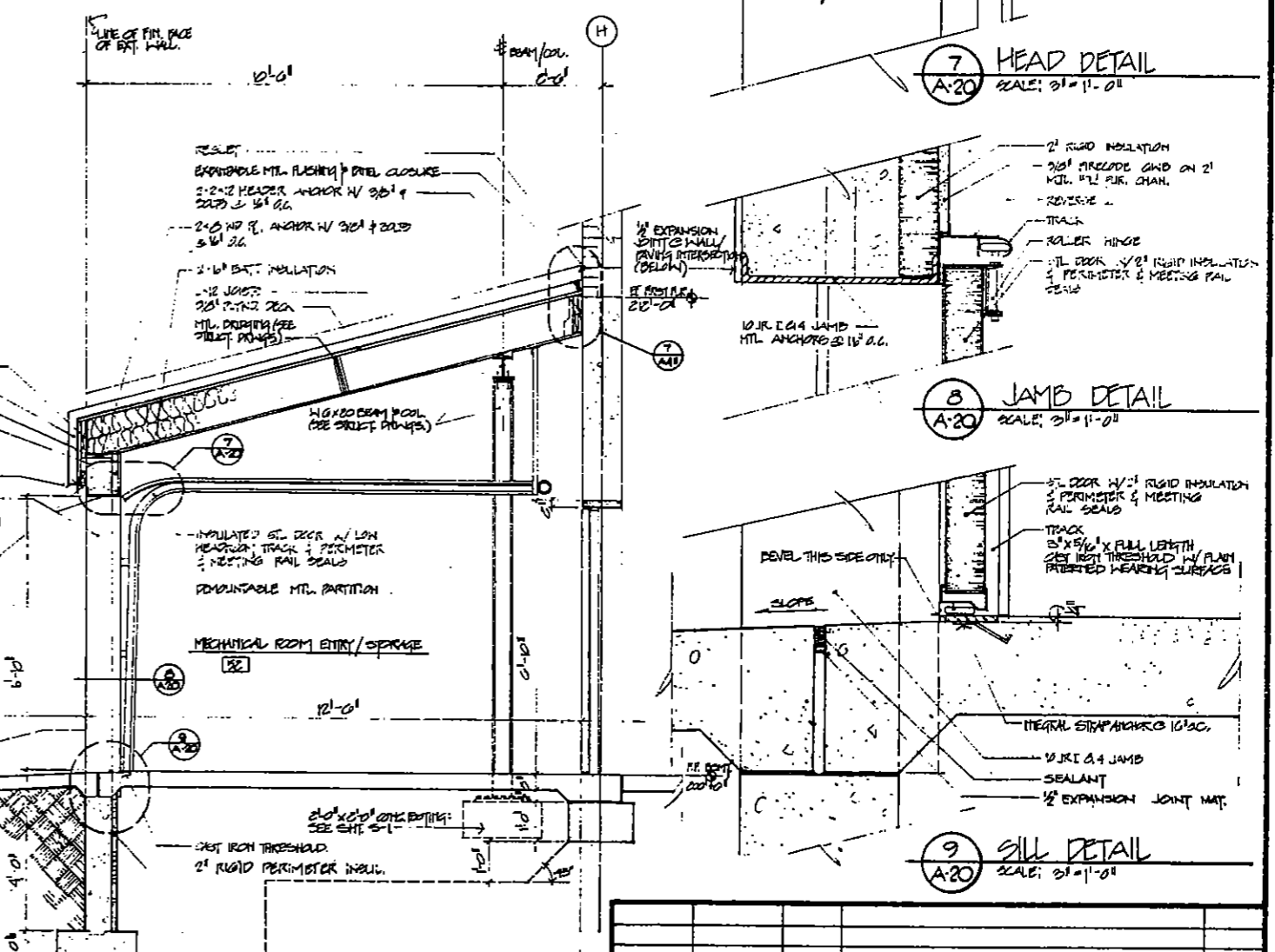
3 EAST ELEVATION  
SCALE: 1/4" = 1'-0"



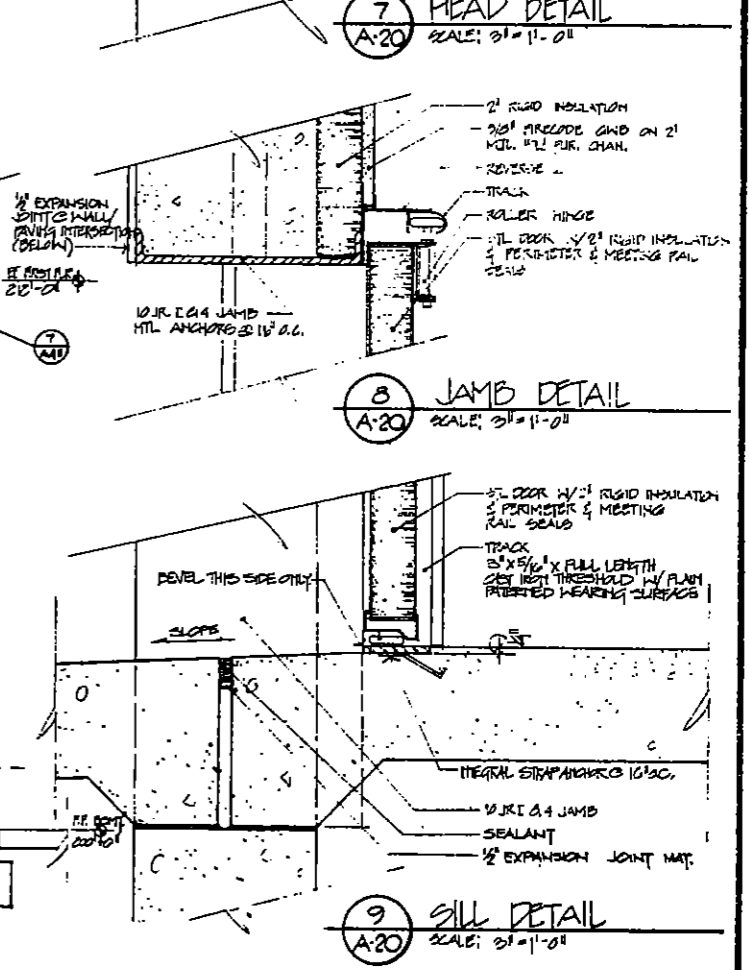
8 JAMB DETAIL  
SCALE: 3/8" = 1'-0"



4 EAST ADDITION PLAN  
SCALE: 1/4" = 1'-0"



6 SECTION C MECH. ENTRY  
SCALE: 1/8" = 1'-0"

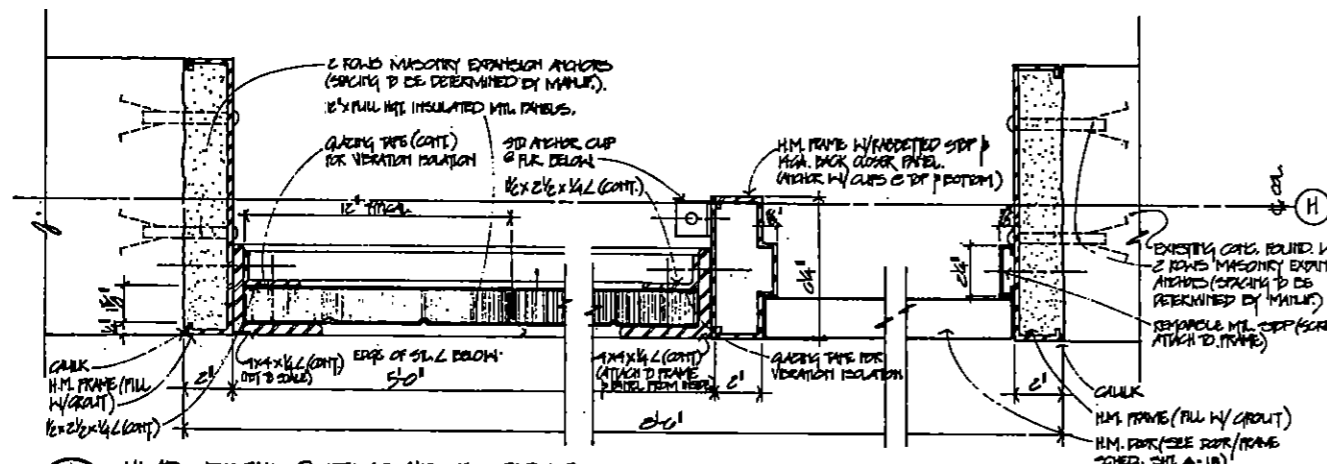


9 SILL DETAIL  
SCALE: 3/8" = 1'-0"

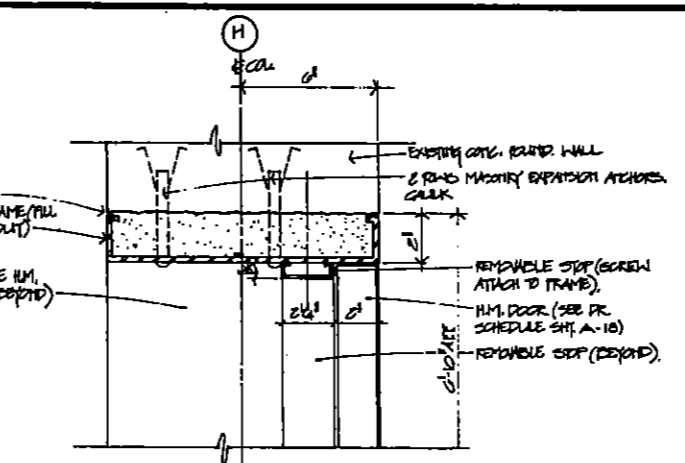
REVISION	STATUS	DATE	DESCRIPTION	BY

NATIONAL WILDLIFE HEALTH LAB  
BUILDING ADDITION (EAST)  
MADISON, WISCONSIN

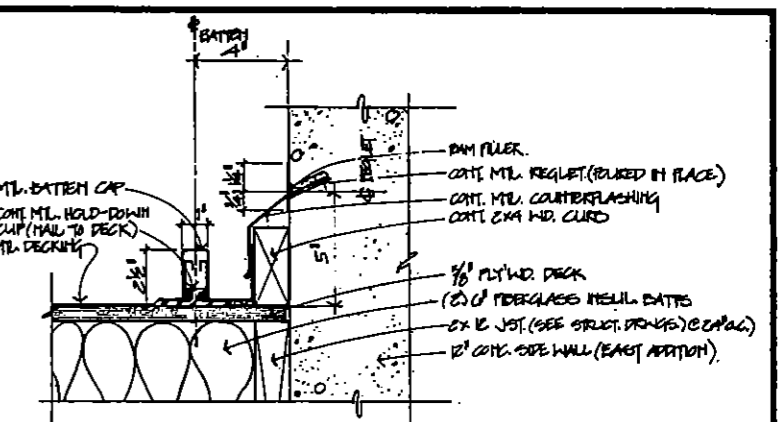
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
1/79	SES	CRJ		DEC-WI 927-20.0



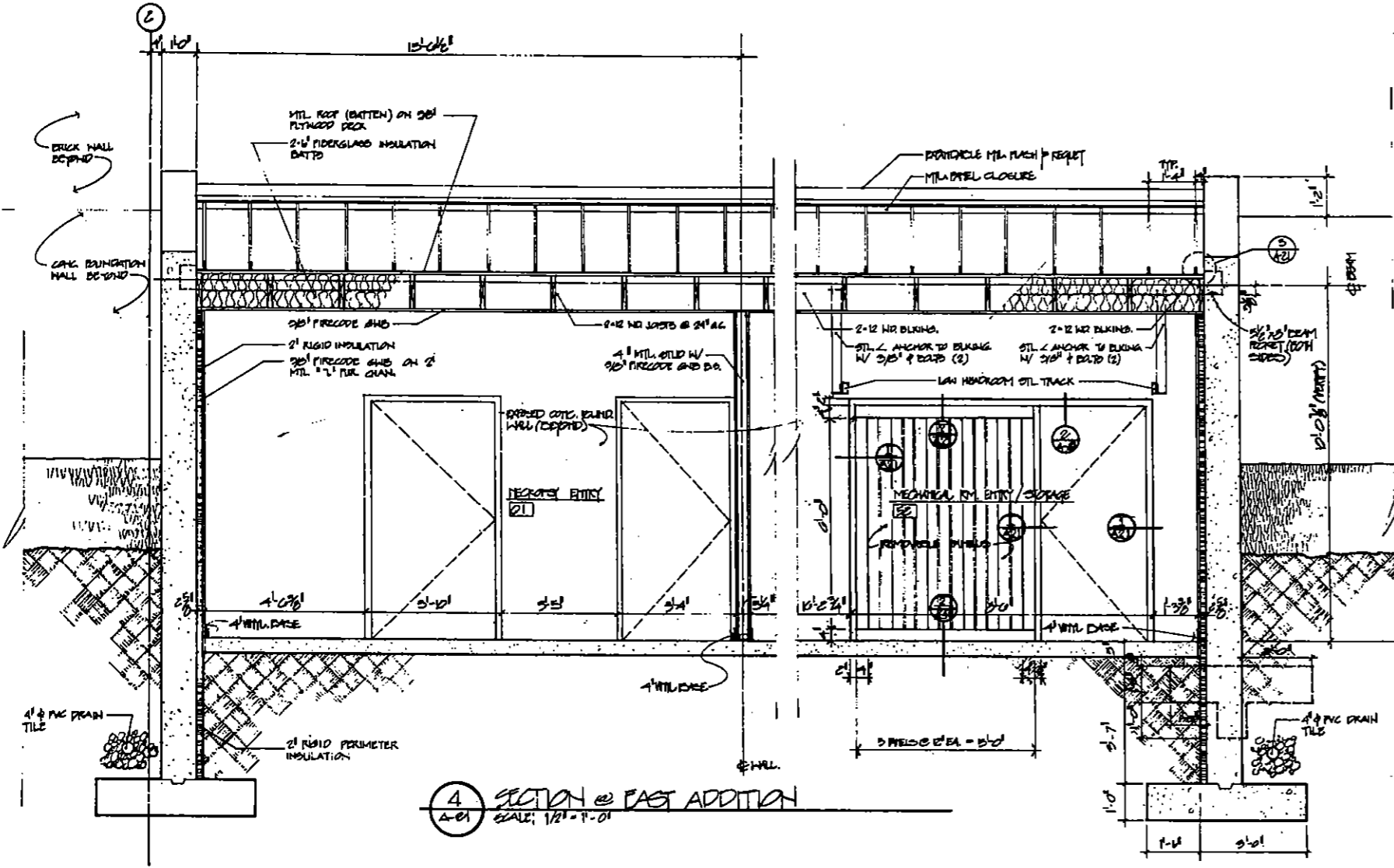
1 JAMB DETAIL @ REMOVABLE PARTITION  
A-01 SCALE: 3/4"=1'-0"



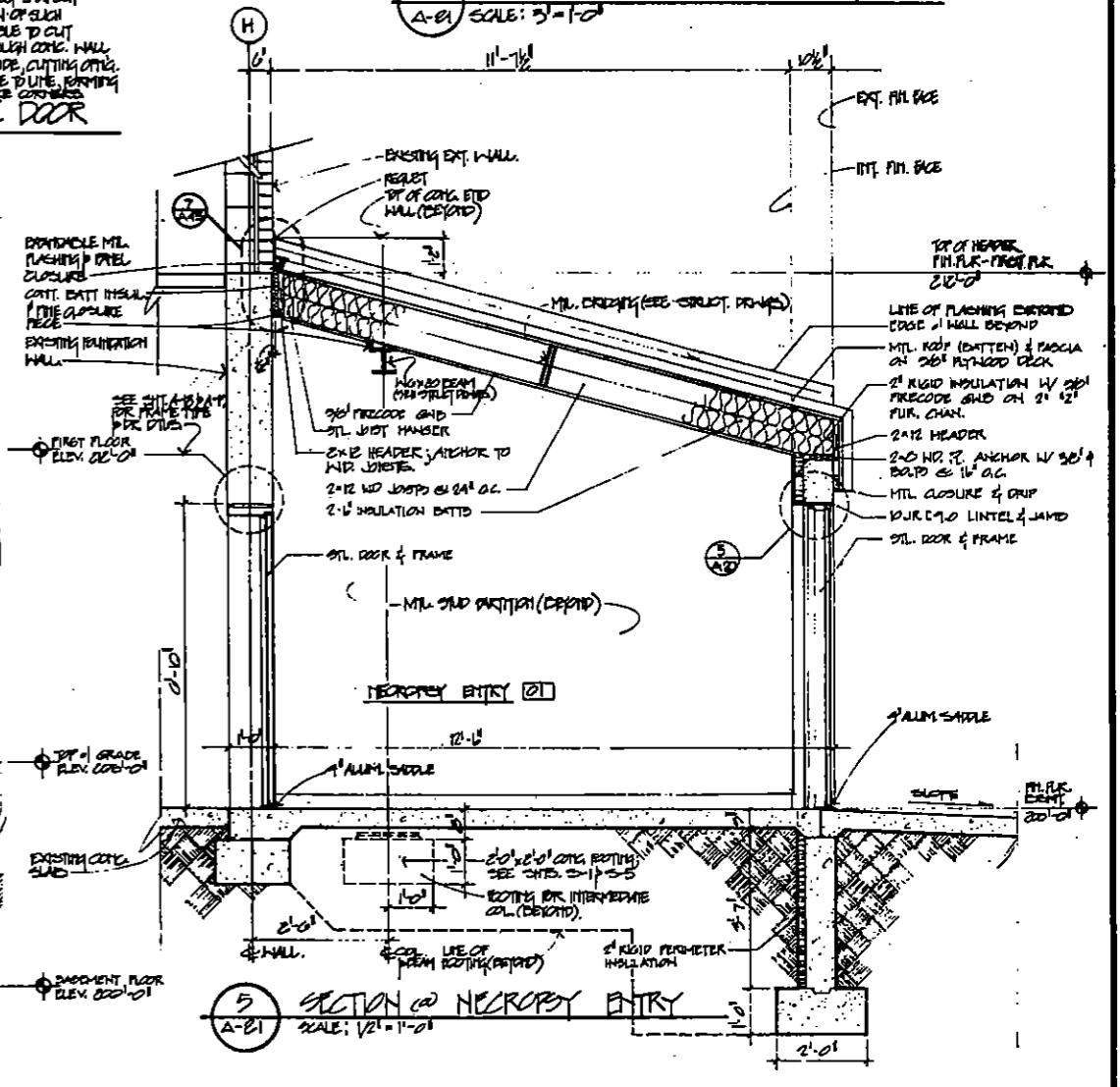
2 HEAD DETAIL @ REMOVABLE DOOR  
A-01 SCALE: 3/4"=1'-0"



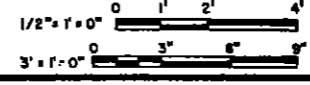
3 ADJACENT SIDE WALL FLASHING  
A-01 SCALE: 3/4"=1'-0"



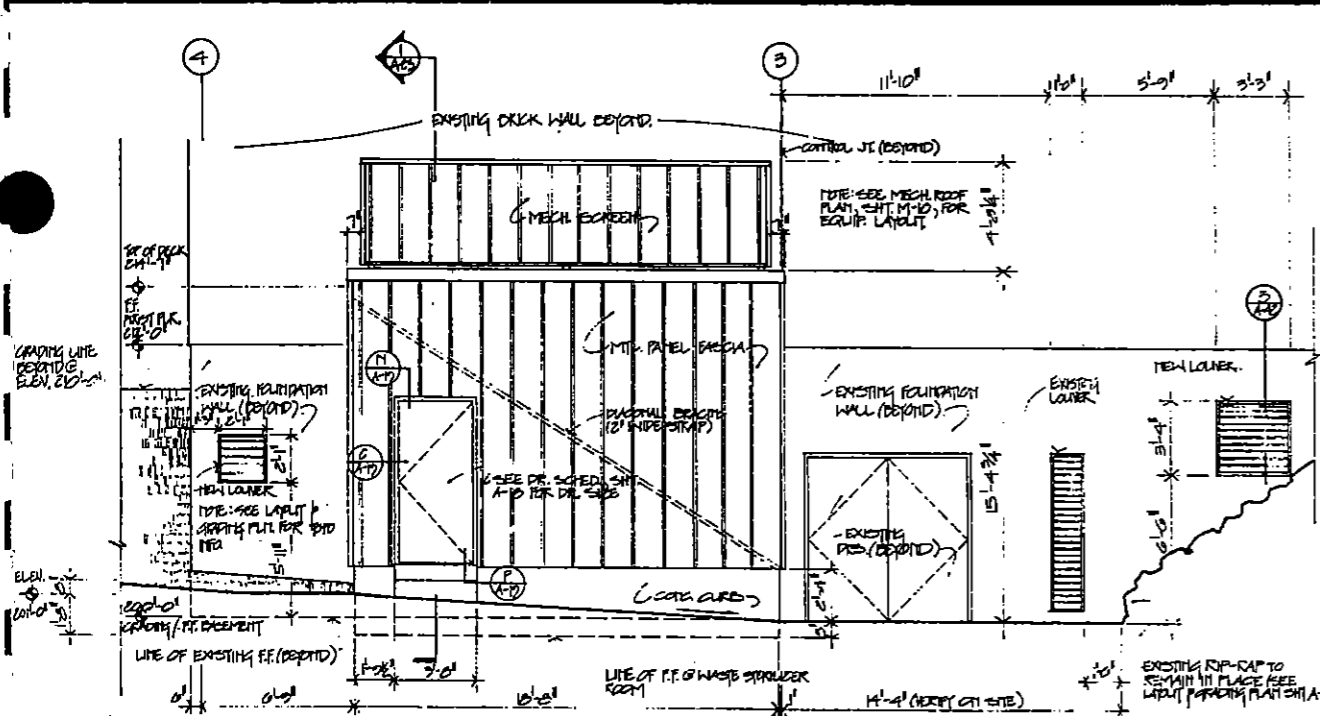
4 SECTION @ EAST ADDITION  
A-01 SCALE: 1/2"=1'-0"



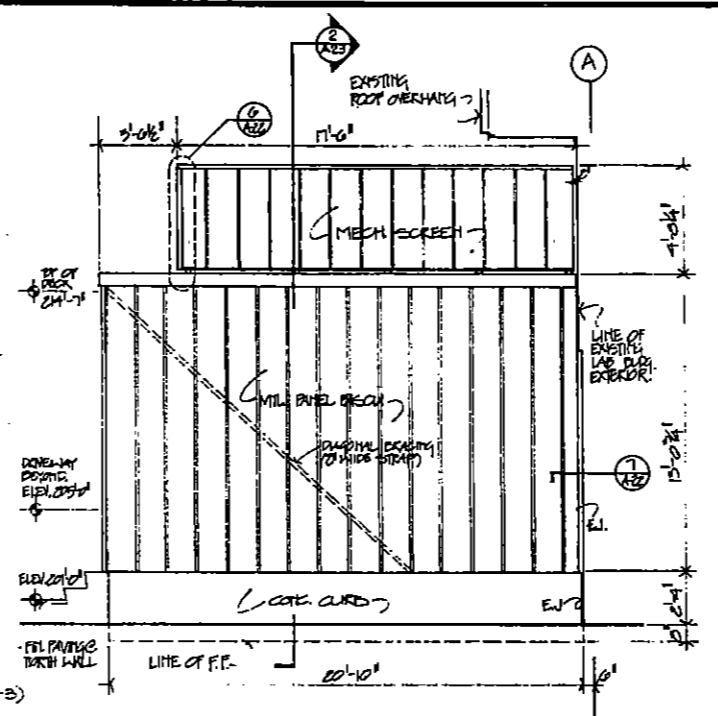
5 SECTION @ NEOROPY ENTRY  
A-01 SCALE: 1/2"=1'-0"



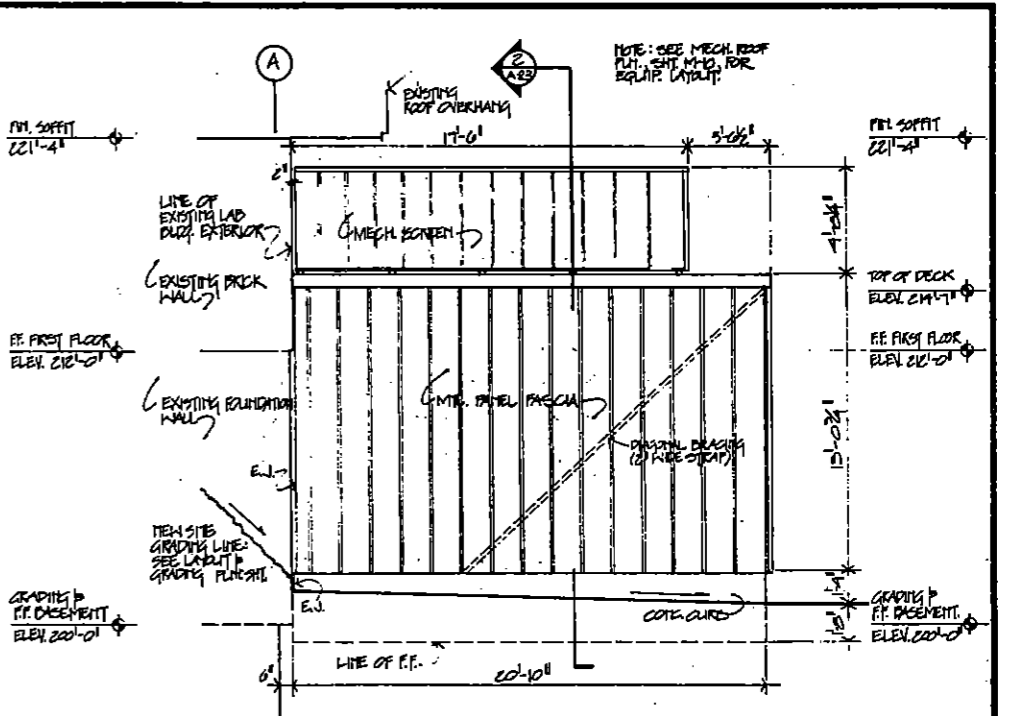
REVISION	STATUS	DATE	DESCRIPTION	BY
<p>NATIONAL WILDLIFE HEALTH LAB MADISON, WISCONSIN BUILDING ADDITION (EAST)</p>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
1/79	SES	CRJ		DEC-WB 927-21.0



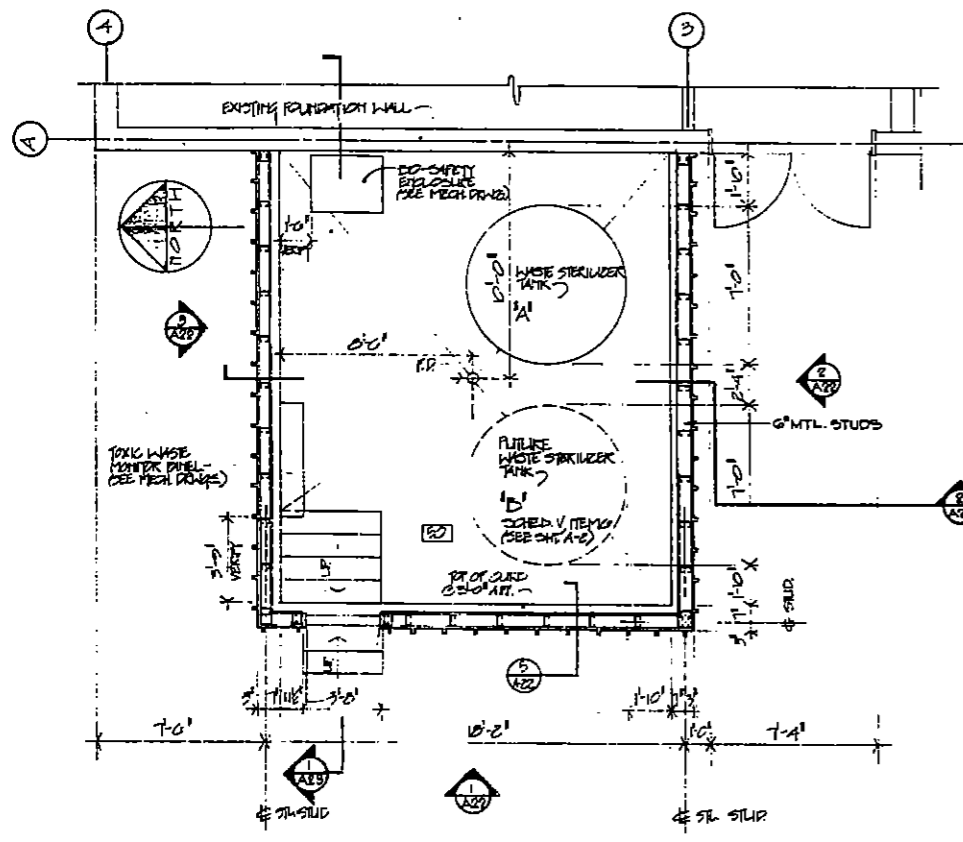
1 WEST ELEVATION (WASTE STERILIZER ROOM)  
A-22 SCALE: 1/4" = 1'-0"



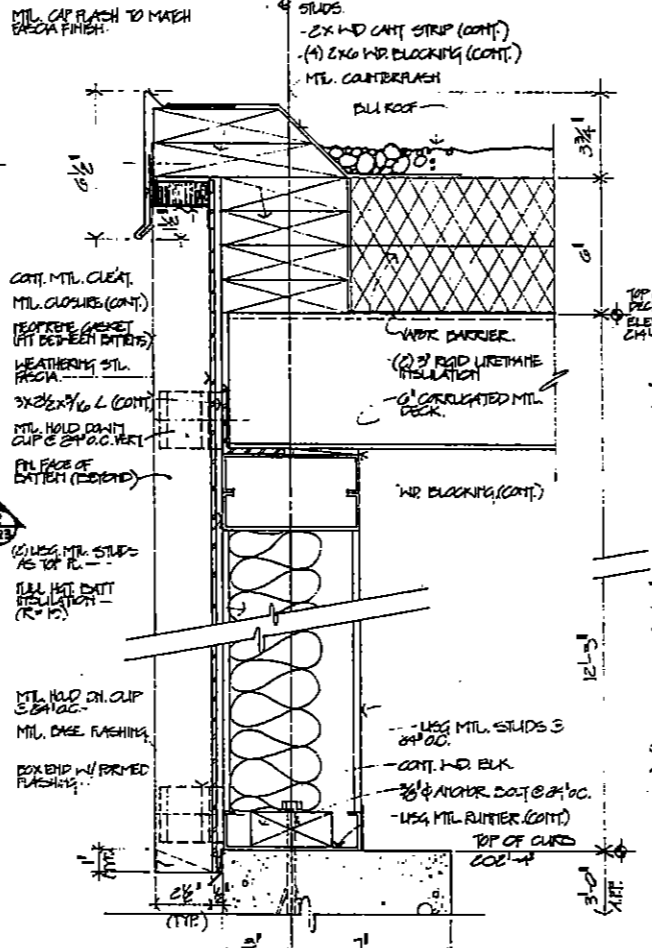
2 SOUTH ELEVATION (WASTE STERILIZER ROOM)  
A-22 SCALE: 1/4" = 1'-0"



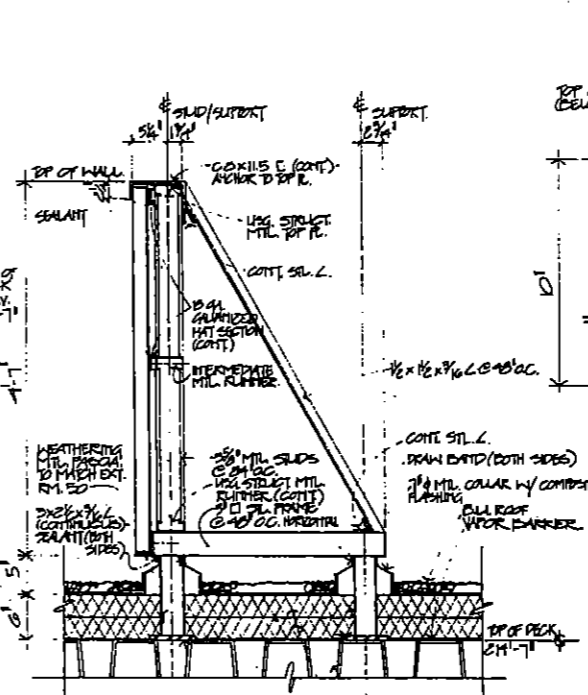
3 NORTH ELEVATION (WASTE STERILIZER ROOM)  
A-22 SCALE: 1/4" = 1'-0"



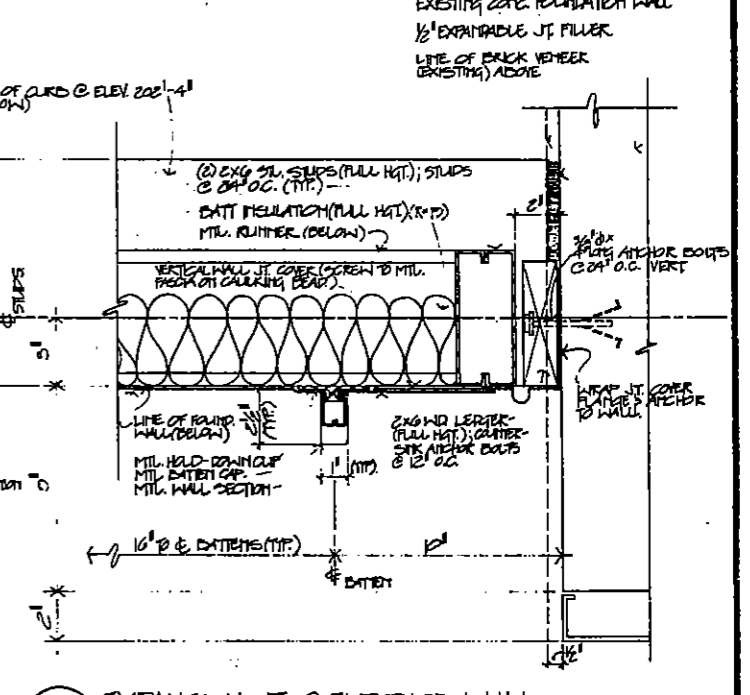
4 PLAN OF WASTE STERILIZER RM. (WEST ADDITION)  
A-22 SCALE: 1/4" = 1'-0"



5 GRAVEL STOP/CURB DETAIL  
A-22 SCALE: 3" = 1'-0"



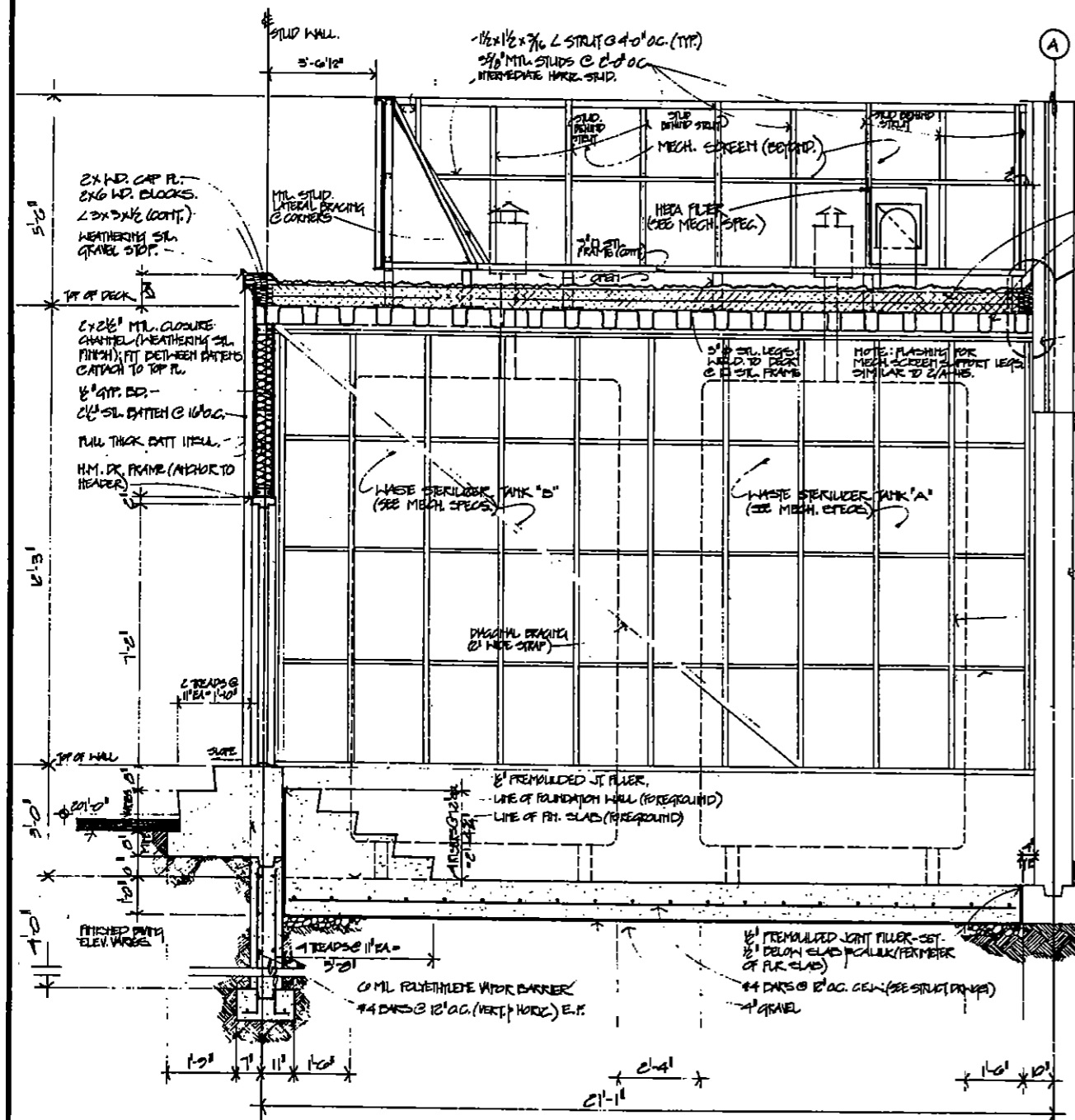
6 MECH. EQUIP. SCREEN  
A-22 SCALE: 1" = 1'-0"



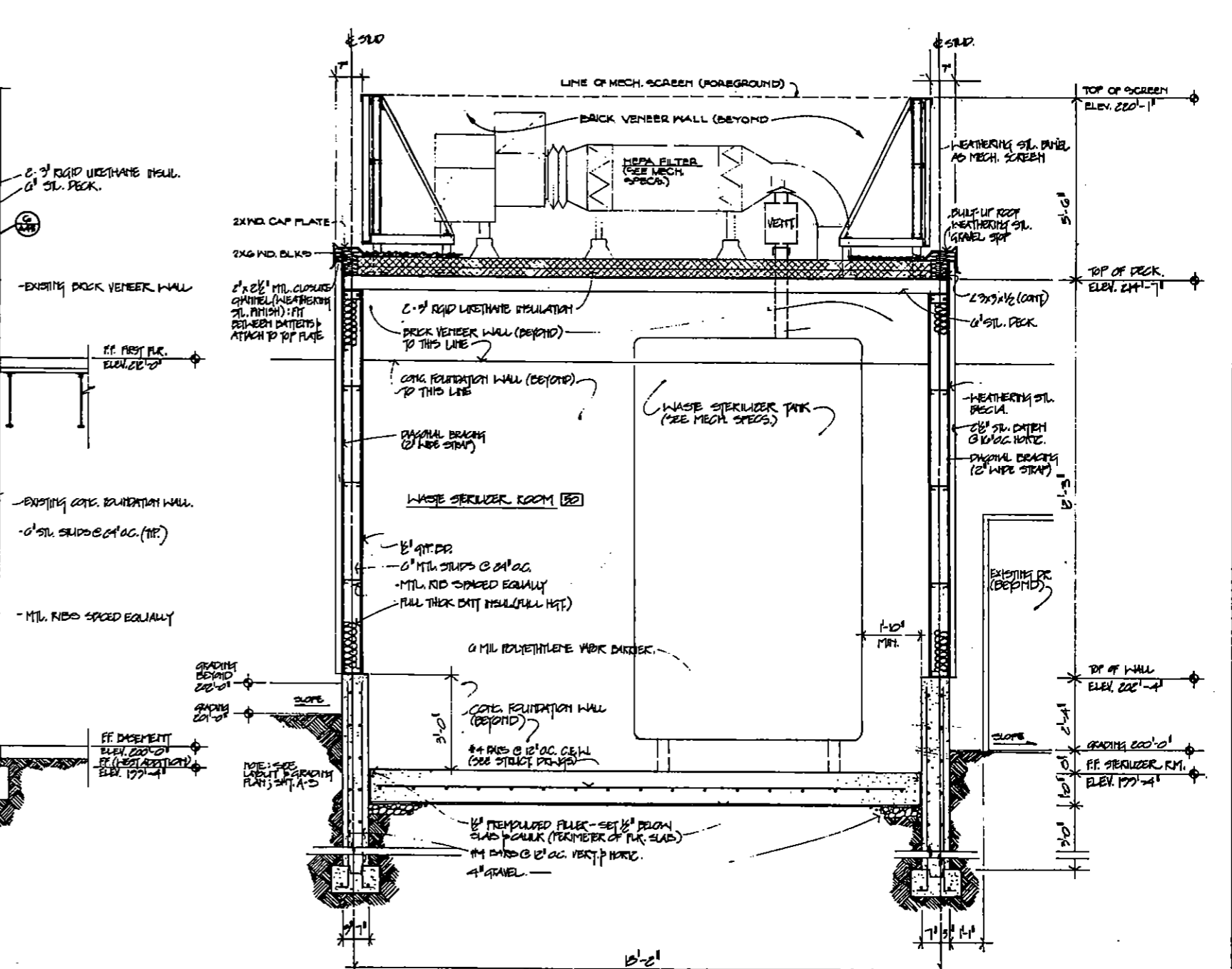
7 EXPANSION JT. & EXTERIOR WALL  
A-22 SCALE: 3" = 1'-0"

REVISION	STATUS	DATE	DESCRIPTION	BY

NATIONAL WILDLIFE HEALTH LAB  
BUILDING ADDITION (WEST)  
MADISON, WISCONSIN  
DATE 1/79 DESIGNED SES DRAWN CRJ CHECKED DRAWING NO DEC-WI-927-22.0



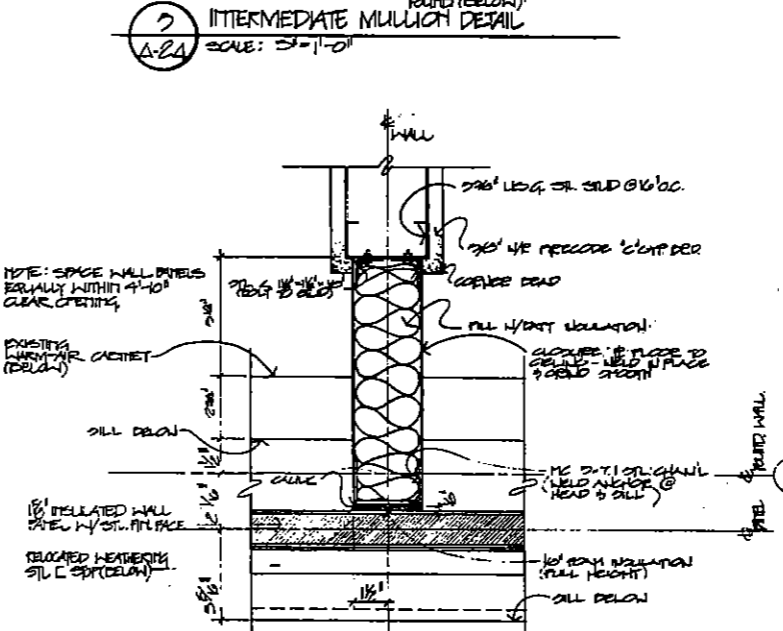
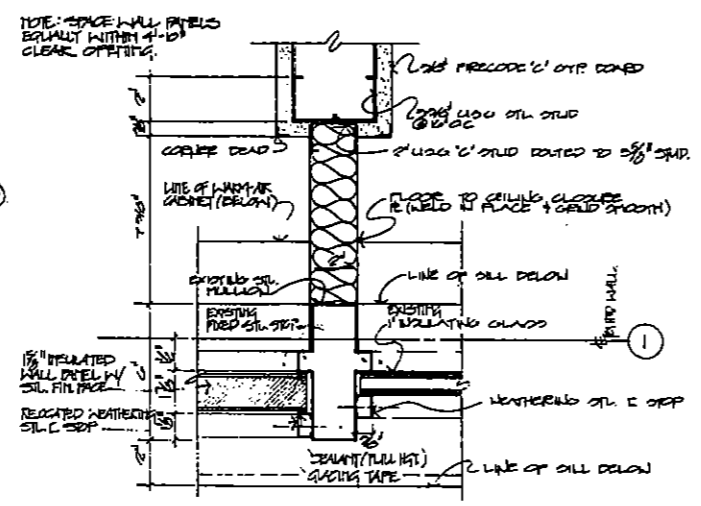
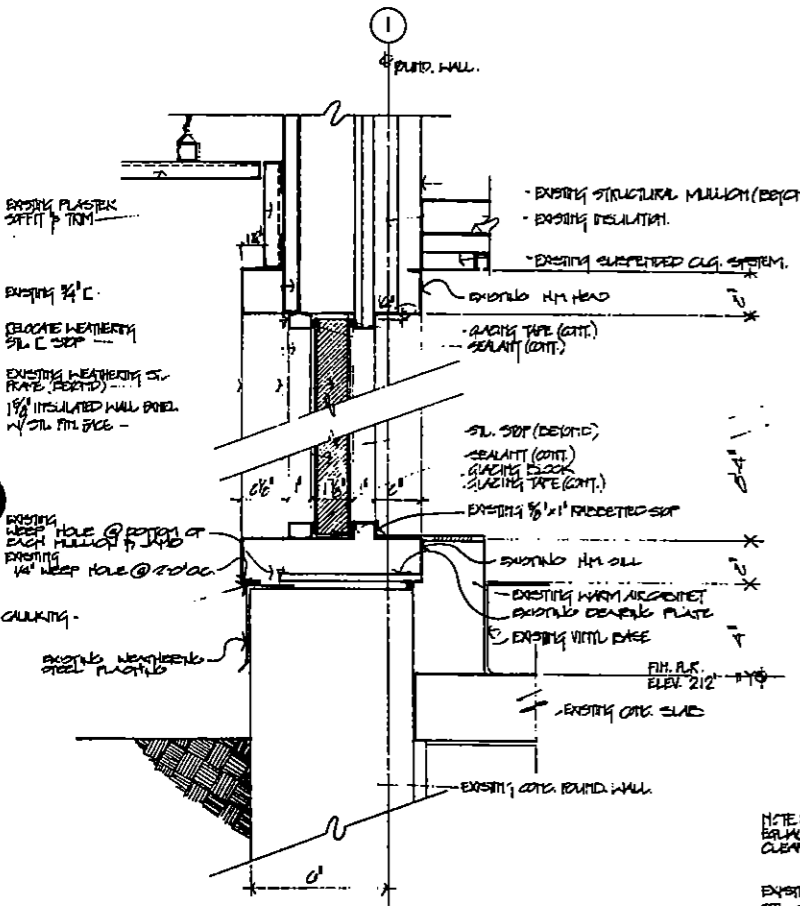
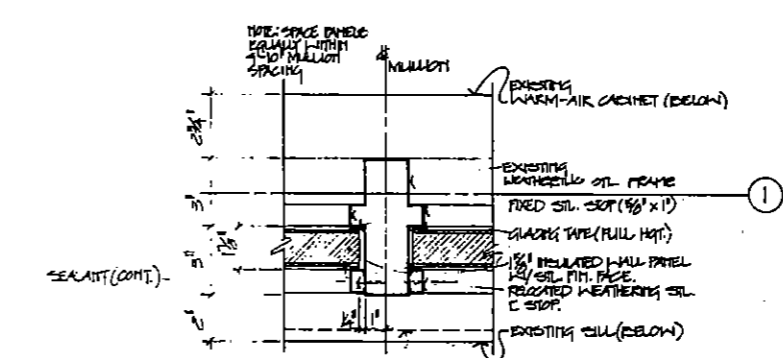
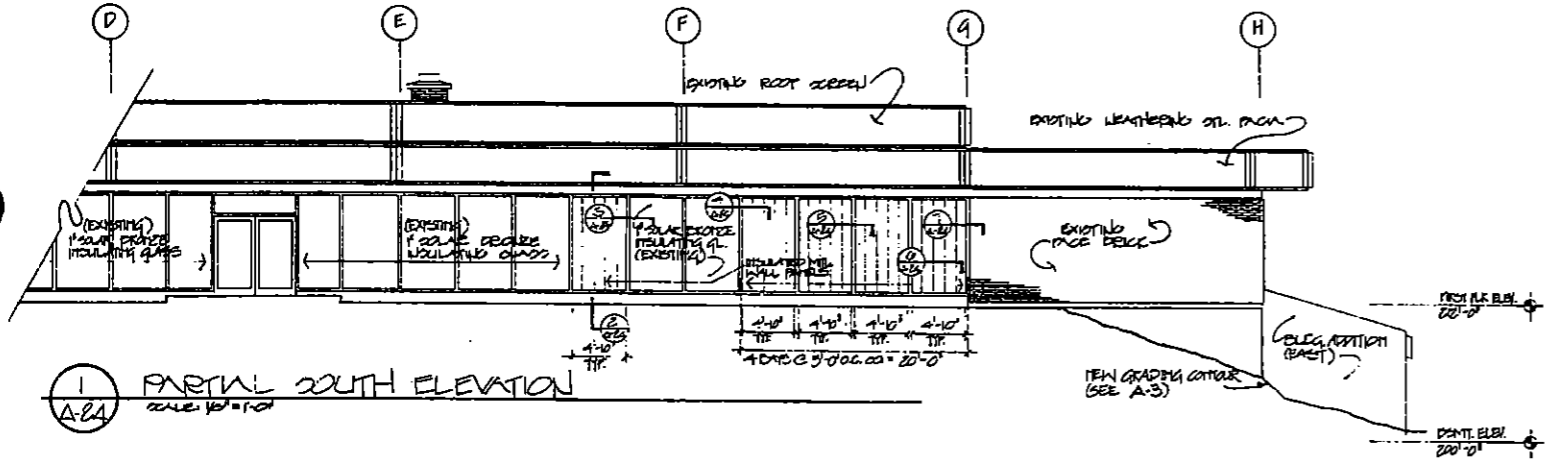
1 SECTION @ WASTE STERILIZER RM.  
A-23 SCALE: 1/2" = 1'-0"



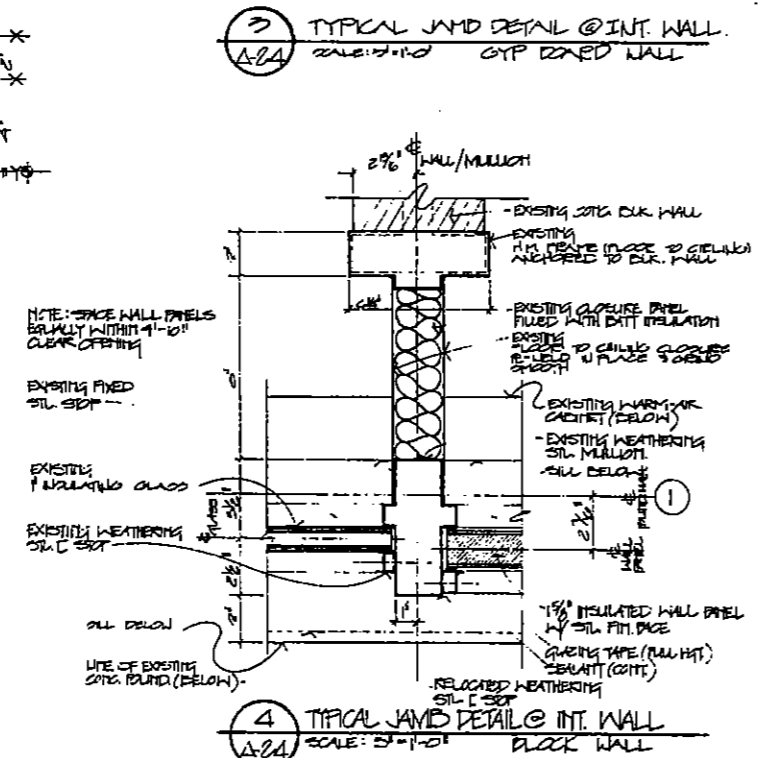
2 SECTION @ WASTE STERILIZER RM.  
A-23 SCALE: 1/2" = 1'-0"



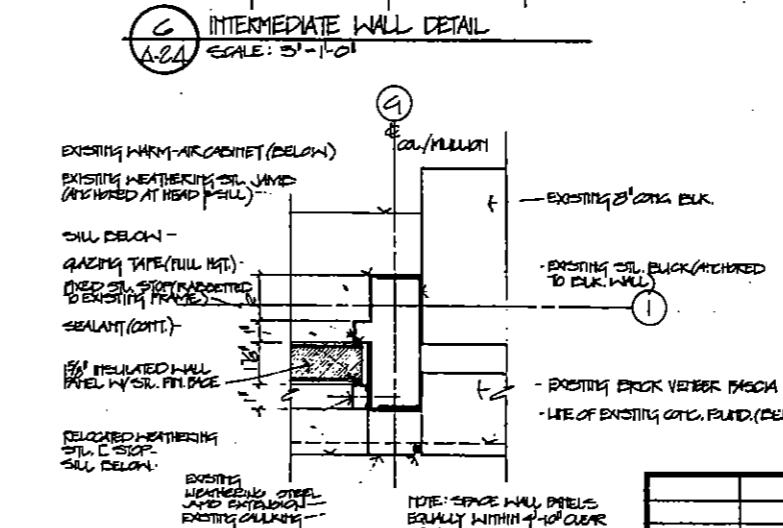
REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB				
MADISON, WISCONSIN				BUILDING ADDITION (WEST)
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
1/79	SES	CRJ		DEC-W 927-23.0



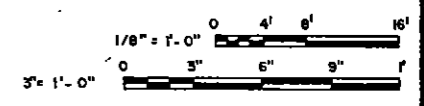
3 TYP. HEAD/SILL DETAIL @ MTL. WALL PANEL  
A-24 SCALE: 3" = 1'-0"



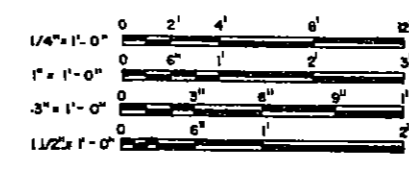
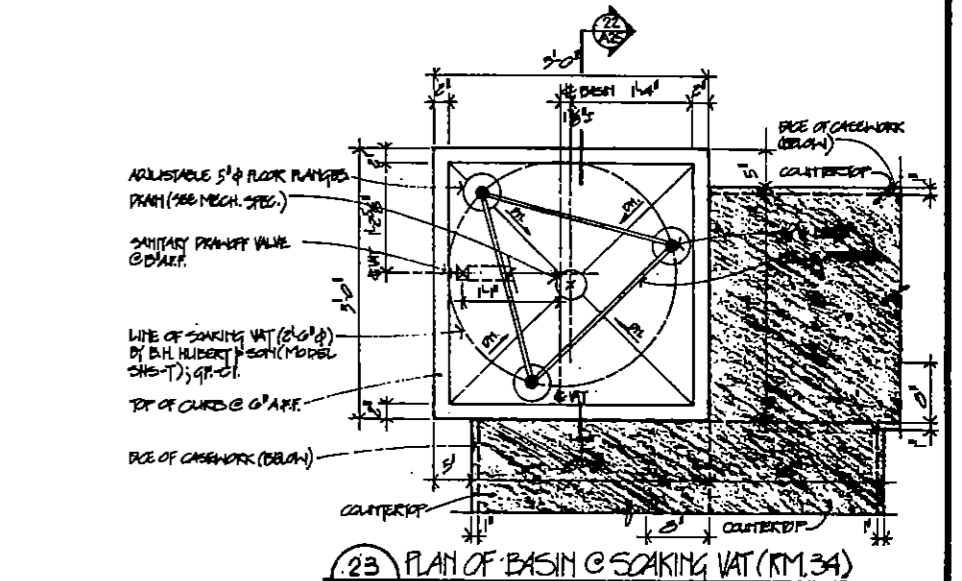
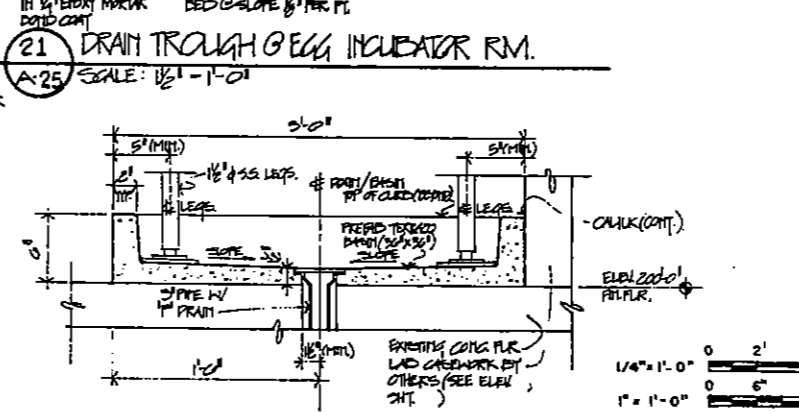
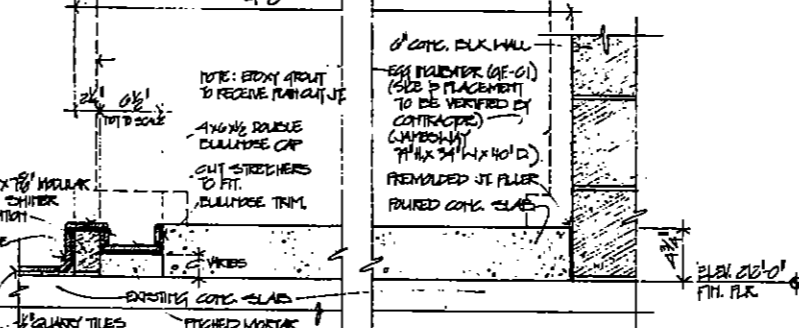
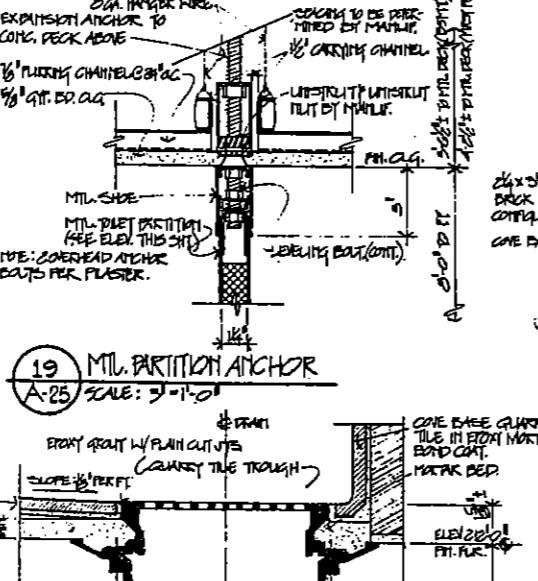
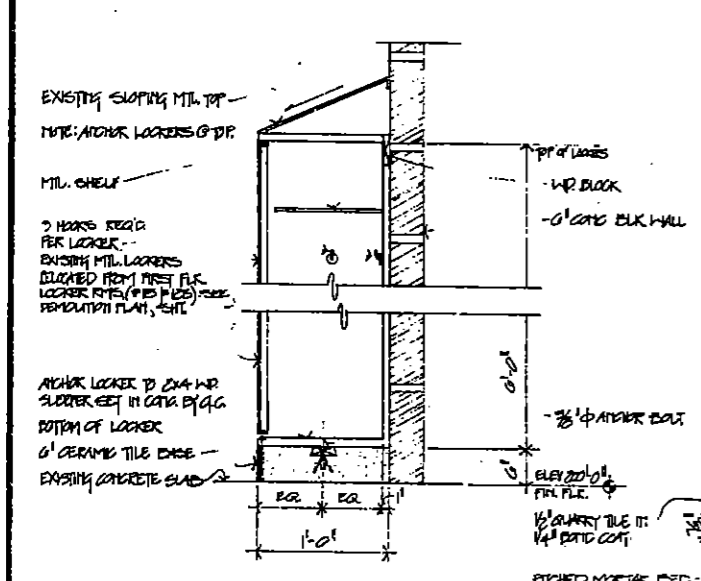
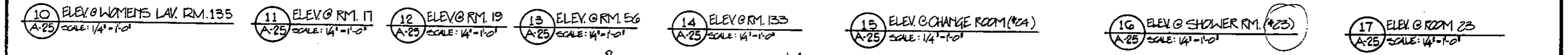
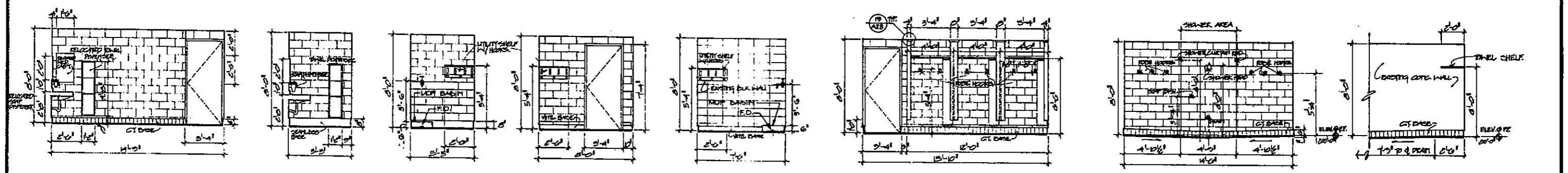
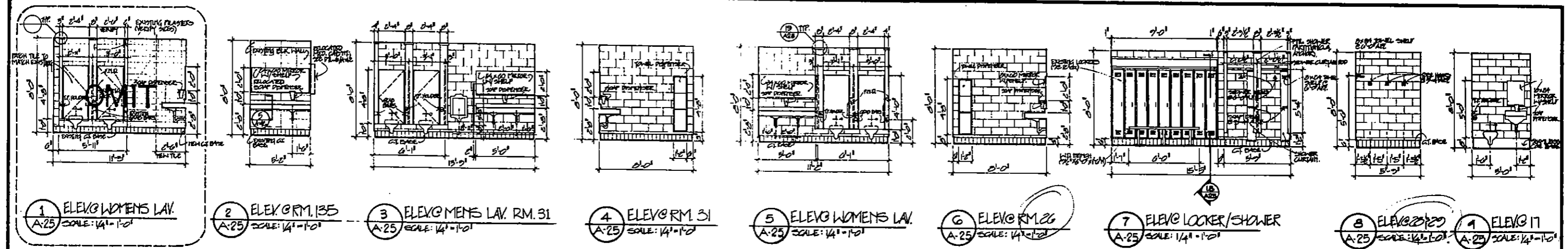
4 TYPICAL JAMB DETAIL @ INT. WALL  
A-24 SCALE: 3" = 1'-0"



7 JAMB DETAIL @ MASONRY WALL  
A-24 SCALE: 3" = 1'-0"

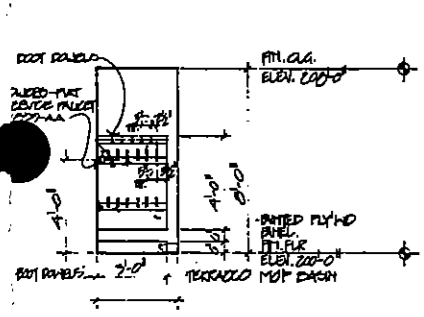


REVISION	STATUS	DATE	DESCRIPTION	BY
<b>NATIONAL WILDLIFE HEALTH LAB</b> <b>PARTIAL ELEVATION AND WINDOW WALL DETAILS</b> <b>MADISON, WISCONSIN</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
1/79	CRJ	DLP		DEC-WI 927-24.0

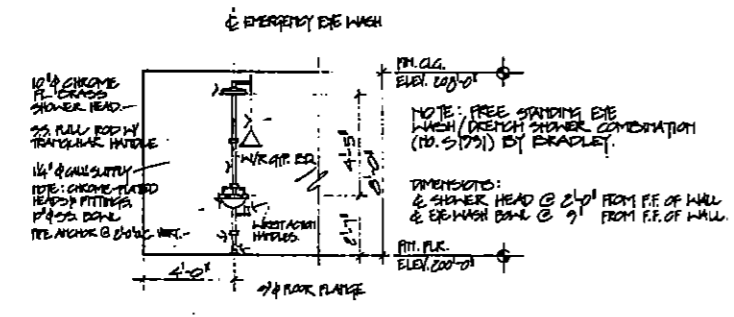


REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB				
MADISON, WISCONSIN				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
1/79	CRJ	CRJ		DEC-WI 927-25.0

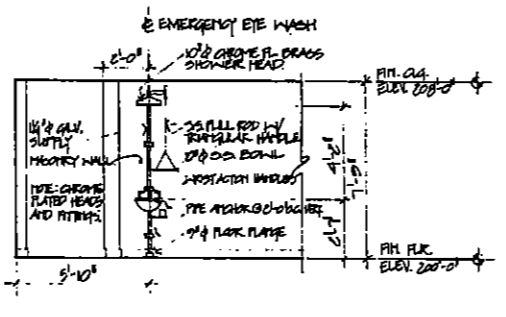




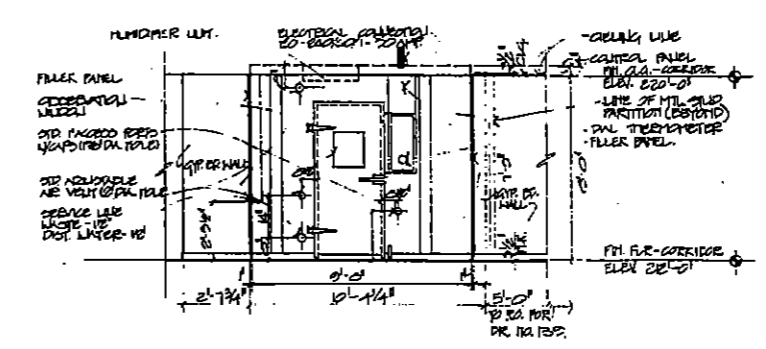
1 ELEV. OF ROOT WASH  
SCALE: 1/4" = 1'-0"



2 PARTIAL ELEV. OF TISSUE CULTURE HARVESTING (#45)  
SCALE: 1/4" = 1'-0"

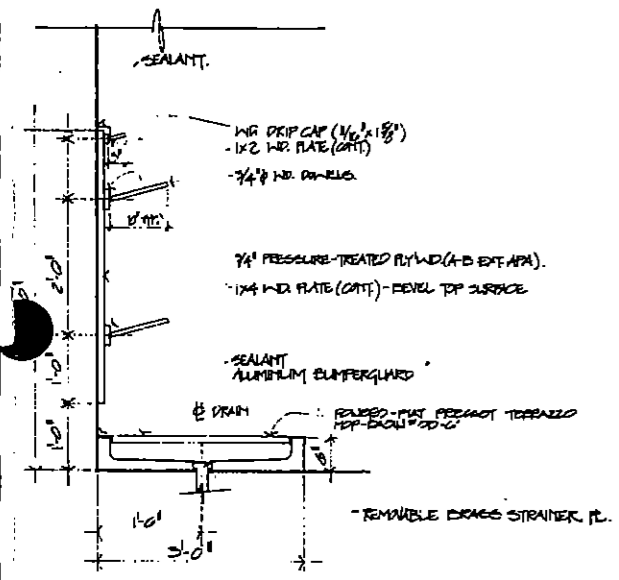


3 PARTIAL ELEV. OF GLASSWARE KITCHEN (#34)  
SCALE: 1/4" = 1'-0"

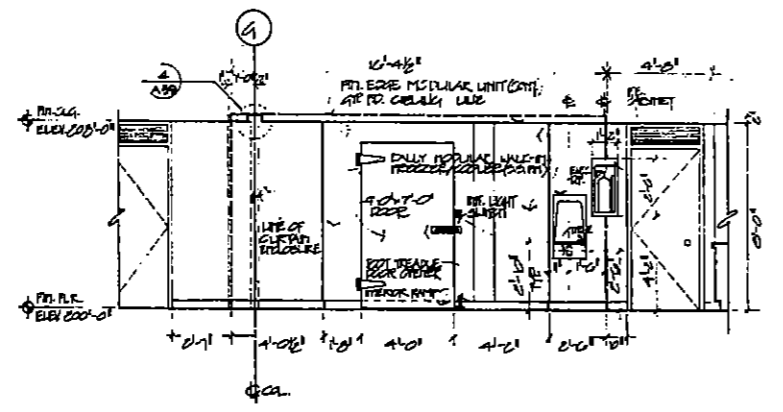


4 ELEV. OF MICRODO INCUBATOR RM. 157  
SCALE: 1/4" = 1'-0"

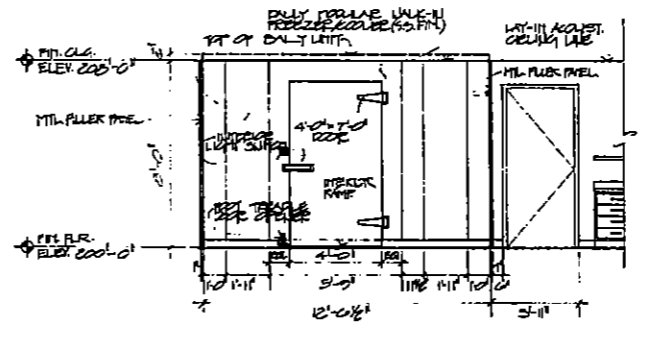
EMERGENCY EYE WASH ELEVATIONS



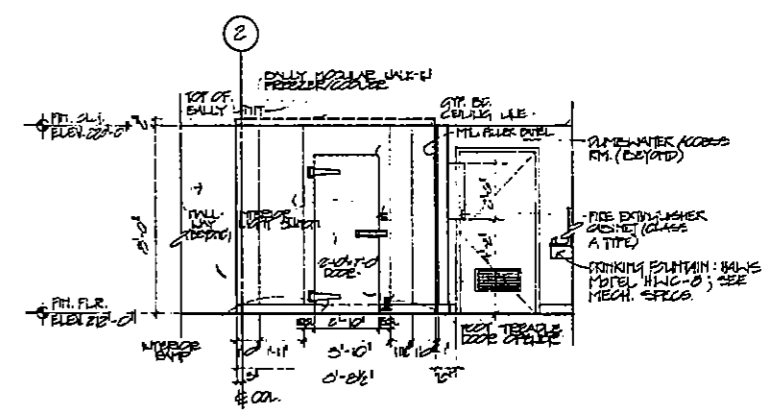
5 SECTION C MICROSCOPY ROOT WASH  
SCALE: 3/4" = 1'-0"



6 ELEVATION OF WALK-IN REFRIG. - RM. 06  
SCALE: 1/4" = 1'-0"



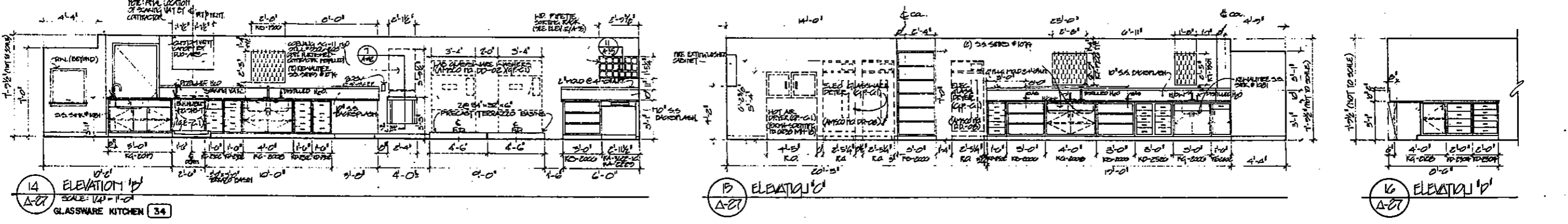
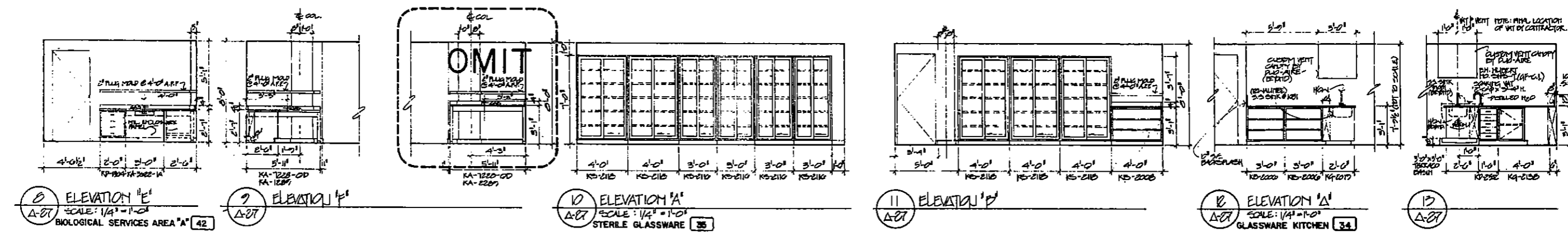
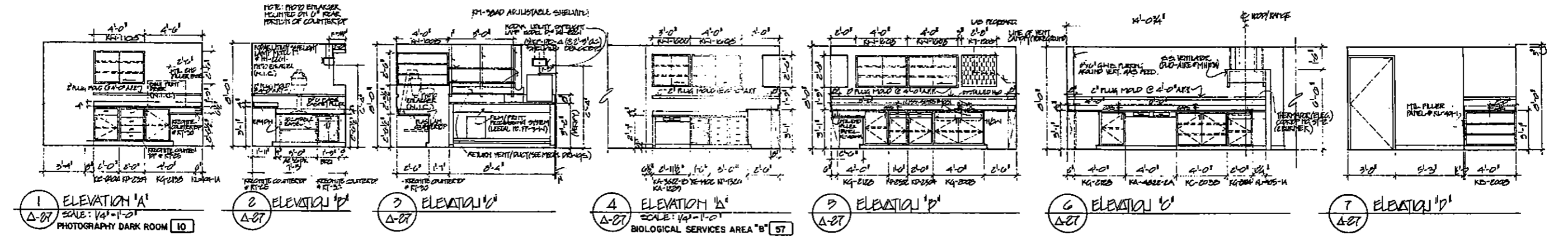
7 ELEVATION OF WALK-IN REFRIG. - RM. 39  
SCALE: 1/4" = 1'-0"



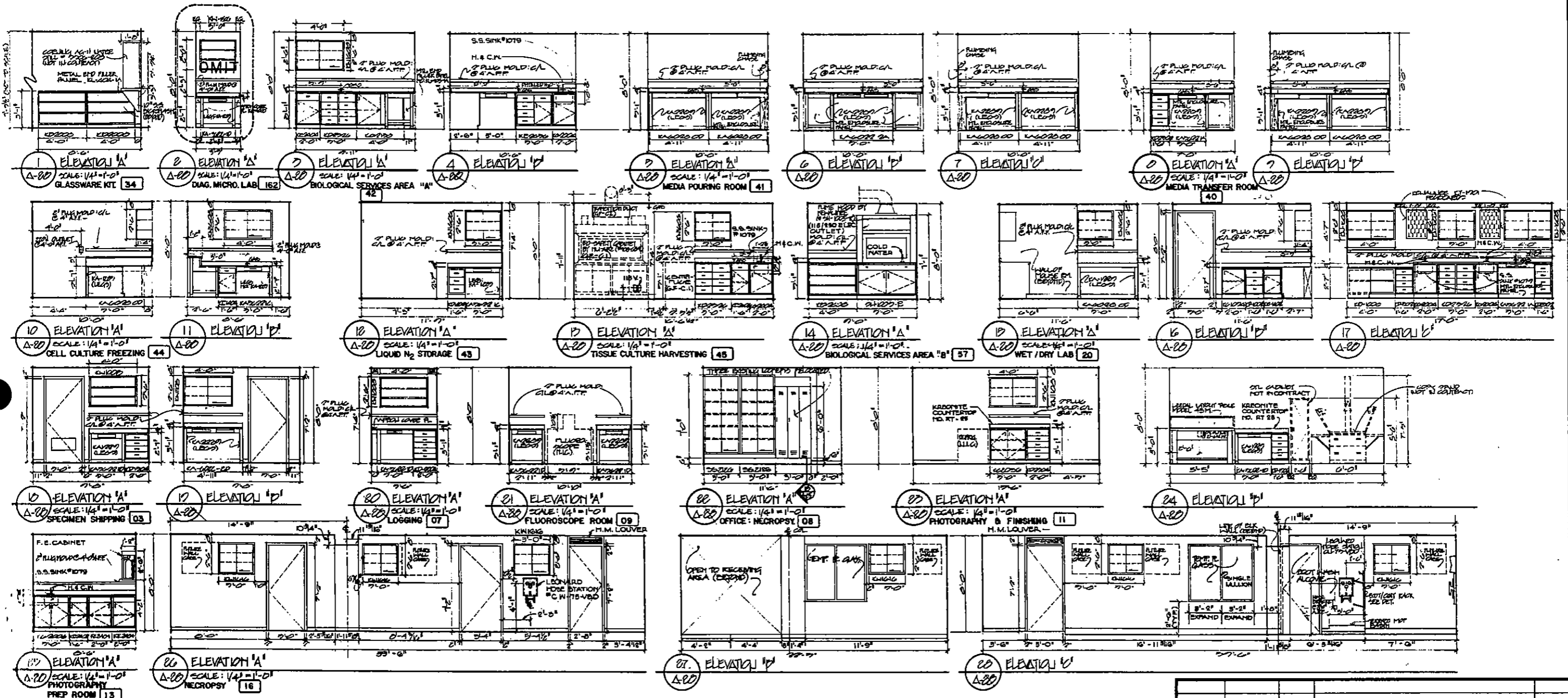
8 ELEVATION OF WALK-IN REFRIG. - RM. 155  
SCALE: 1/4" = 1'-0"



REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB				
MISC. INTERIOR ELEVATIONS				
MADISON, WISCONSIN				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
1/79	CRJ	DLP/CRJ		DEC-WI 927-26.0

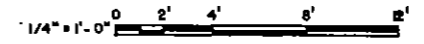
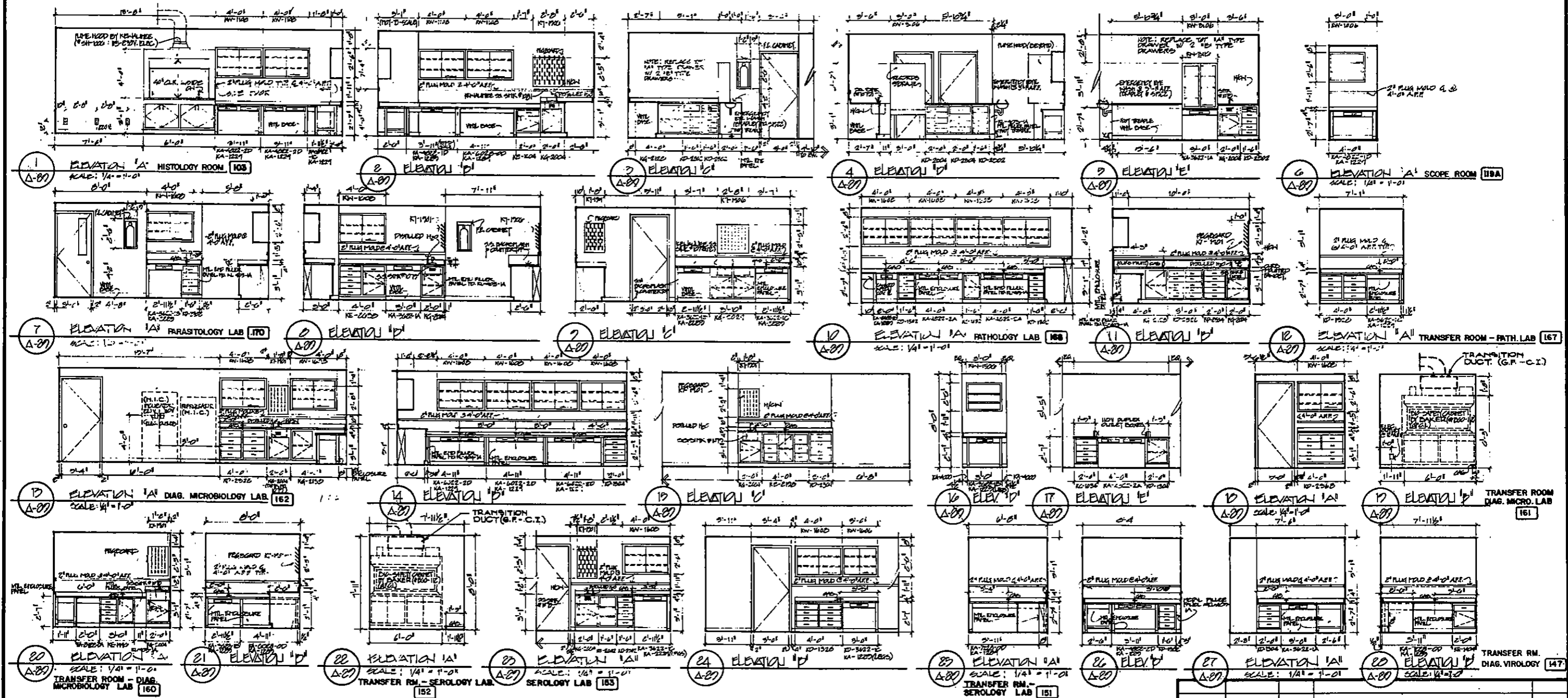


REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB				
<b>INTERIOR ELEVATIONS (I)</b>				
MADISON, WISCONSIN				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
1/79	CRJ	CRJ		DEC-WI 927-27.0

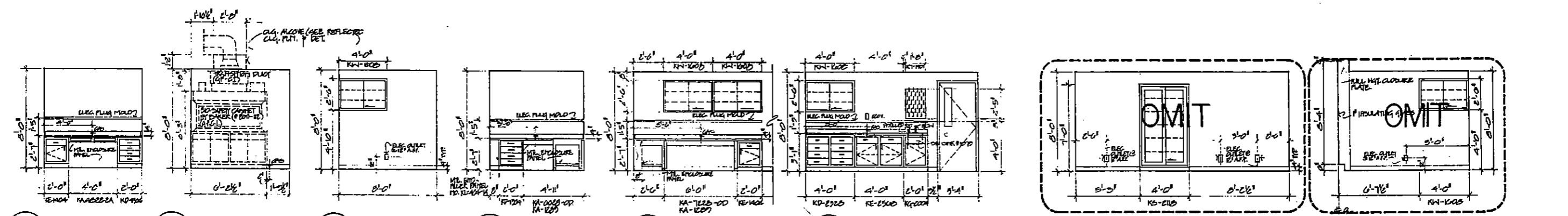


REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB				
MADISON, WISCONSIN				INTERIOR ELEVATIONS (2)
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
1/79	CRJ	CRJ		DEC-WI-927-28.0

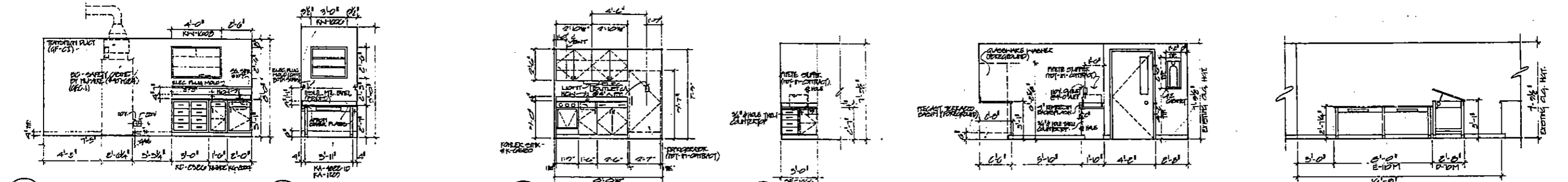




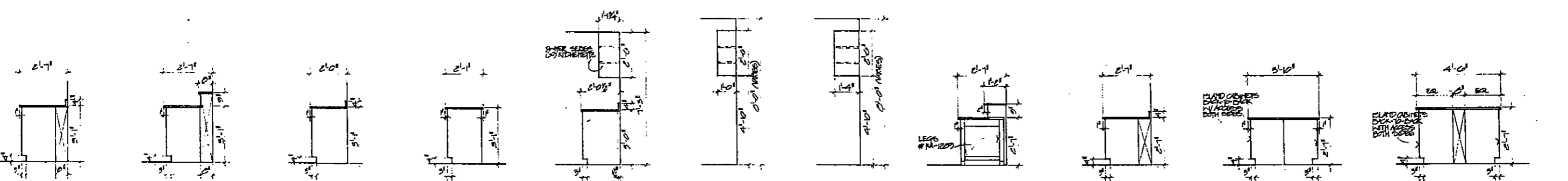
REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB				
<b>INTERIOR ELEVATIONS (3)</b>				
MADISON, WISCONSIN				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
1/78	CRJ	CRJ		DEC-WI 927-29.0



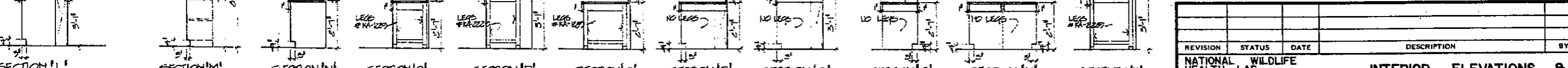
1 ELEVATION "A" SCALE: 1/4" = 1'-0" TRANSFER ROOM DIAG. VIROLOGY [146]  
 2 ELEVATION "A" SCALE: 1/4" = 1'-0" TRANSFER ROOM DIA. VIROLOGY [145]  
 3 ELEVATION "B" SCALE: 1/4" = 1'-0"  
 4 ELEVATION "A" SCALE: 1/4" = 1'-0" DIAGNOSTIC VIROLOGY ROOM [144]  
 5 ELEVATION "B" SCALE: 1/4" = 1'-0"  
 6 ELEVATION "C" SCALE: 1/4" = 1'-0"  
 11 ELEVATION "G" SCALE: 1/4" = 1'-0"  
 12 ELEVATION "H" SCALE: 1/4" = 1'-0"



7 ELEVATION "B" SCALE: 1/4" = 1'-0" TISSUE CULTURE ROOM [143]  
 8 ELEVATION "A" SCALE: 1/4" = 1'-0" SCOPE ROOM [142]  
 9 ELEVATION "A" SCALE: 1/4" = 1'-0" KITCHENETTE [141]  
 10 ELEVATION "I" SCALE: 1/4" = 1'-0" GLASSWARE KITCHEN [140]



SECTION "A" SECTION "B" SECTION "C" SECTION "D" SECTION "E" SECTION "F" SECTION "G" SECTION "H" SECTION "I" SECTION "J" SECTION "K" SECTION "L" SECTION "M" SECTION "N" SECTION "O" SECTION "P" SECTION "Q" SECTION "R" SECTION "S" SECTION "T" SECTION "U" SECTION "V" SECTION "W" SECTION "X" SECTION "Y" SECTION "Z"



15 TYPICAL LAB FURNITURE SECTIONS SCALE: 3/8" = 1'-0"

REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB				
MADISON, WISCONSIN				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
1/79	CRJ	CRJ		DEC-WI 927-30.0

# LAB FURNITURE SCHEDULE

ROOM		FINISHES					BASE	ACCESSORY	REMARKS		
NO.	ELEV.	MANUF. CODE	SHT.	COUNTERTOP		CABINET		OVERHEAD CASE		OTHER	TYP. SECT.
				MAT'L.	COLOR	MAT'L.	COLOR	MAT'L.	COLOR		
09	A	KA-2028-10 KA-2027(1000) KD-1204 DW-1000	A-10	GENERAL	BLACK	MTL	2044	MTL	20		Q R I O
	D	KA-2028-20 KA-2027(1000) DW-1000	A-10	GENERAL	BLACK	MTL	2044	MTL	20		P P O
07	A	KA-2028-10 KA-2027(1000) KD-1204 DW-1000	A-10	GENERAL	BLACK	MTL	20	MTL	20		V V A M
20	A	DD-2186 DD-2186	A-10			MTL	20			SEAMLESS	M
09	A	KA-2028-10 KA-2027(1000) KD-1204 KA-2028-10 KA-2027(1000)	A-10	GENERAL	BLACK	MTL	2044	MTL	20		P P P P
10	A	KE-2404 KD-2504 KG-2130 KN-1000	A-10	PLAST.LAM.	WHITE	MTL	2044	MTL	20	MTL-20	C C F I E
	D	EP-90H AE-30PX EK-21 KF-1000	A-10	PLAST.LAM.	WHITE	PLAST.LAM.	GREY			GREY	I I I I
	C	KF-10-4	A-10	PLAST.LAM.	WHITE	PLAST.LAM.	GREY			GREY	I I I I
	II	LEGAL TP-24E		SS		MTL					
11	A	KD-2024 KD-2024 DW-1000	A-10	GENERAL	BLACK	MTL	2044	MTL	20		C C C C
	D	LEGAL-40-11 KA-2028-10 KA-2027(1000)	A-10	GLASS	CLEAR	MTL					C C C C
10	A	KD-2024 KD-2024 KD-2024	A-10	GENERAL	BLACK	MTL	2044				C C C C
16	A	DW-1000 DW-1000 DW-1000	A-10			MTL	20				O O O
	D	DW-1000	A-10			MTL	20				O
	C	DW-1000 DW-1000	A-10			MTL	20				O O
20	A	KA-2028-10 KA-2027(1000) DW-1000	A-10	GENERAL	BLACK	MTL	20	MTL	20		V V O
	D	KE-1004 KD-1000 KE-1000	A-10	GENERAL	BLACK	MTL	2044				A A A
	C	KD-2024 KD-2024	A-10	GENERAL	BLACK	MTL	2044				A A

ROOM		FINISHES					BASE	ACCESSORY	REMARKS		
NO.	ELEV.	MANUF. CODE	SHT.	COUNTERTOP		CABINET		OVERHEAD CASE		OTHER	TYP. SECT.
				MAT'L.	COLOR	MAT'L.	COLOR	MAT'L.	COLOR		
		KD-2024 KD-2024 KD-2024 KA-2028-10 KD-2024	A-10	GENERAL	BLACK	MTL	2044				SEAMLESS SEAMLESS SEAMLESS SEAMLESS
		DW-1000 DW-1000 DW-1000 DW-1000 DW-1000	A-10			MTL	20	MTL	20		SEAMLESS SEAMLESS SEAMLESS SEAMLESS SEAMLESS
24	A	AM20-00-00 AM20-00-00 AM20-00-00 AM20-00-00 AM20-00-00 KD-2024 AM20-00-00	A-10			MTL	2047				SEAMLESS SEAMLESS SEAMLESS SEAMLESS SEAMLESS SS SINK #1079 SEAMLESS
	D	KD-2024 KD-2024 KD-2024 KD-2024 KD-2024 KD-2024 KD-2024 KD-2024 KD-2024 KA-2028-10 KD-2024	A-10			MTL	2047				SEAMLESS SEAMLESS SEAMLESS SEAMLESS SEAMLESS SEAMLESS SEAMLESS SEAMLESS SEAMLESS SS SINK #1079 SEAMLESS
	C	KD-2024 KD-2024 KA-2019	A-10			MTL	20				SEAMLESS SEAMLESS SS SINK #1079 (16x16 3/4)
	D	KD-2024 KD-2024	A-10			MTL	2047				SEAMLESS SEAMLESS
	F	KD-2024 KD-2024 KD-2024	A-10			MTL	2047				SEAMLESS SEAMLESS SEAMLESS
	P	KD-2024 KD-2024	A-10			MTL	20				SEAMLESS SEAMLESS
	I	SE-1000	A-10	REMERON	BLACK	MTL	2047				SEAMLESS
	H	E-10M E-10M	A-10			MTL	2047				SEAMLESS SEAMLESS

NOTE: SEE (B) 130 FOR TYPICAL LAB FURNITURE SECTIONS.

REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB				
MADISON, WISCONSIN				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
1/79	CRJ	DLP		DEC-WI 927-31.0

# LAB FURNITURE SCHEDULE

ROOM NO.	ELEV.	MANUF. CODE	SHT	FINISHES		BASE	ACCESSORY	REMARKS	
				COUNTERTOP MAT'L. COLOR	CABINET MAT'L. COLOR				
37	A	KD-2113	A-9					M M M M M	
		KD-2110	A-9						
		KD-2116	A-9						
		KD-2116	A-9						
		KD-2116	A-9						
D		KD-2110	A-9	KEMRESIN BLACK	MTL 20			M M M M	
		KD-2110	A-9						
		KD-2110	A-9						
		KD-2220	A-9						
40	A	KD-2202	A-9	KEMRESIN BLACK	MTL 20			M M M	
		KA-2622-1A	A-9						
		KA-2622-1A	A-9						
D		KA-6020-00	A-9	KEMRESIN BLACK	MTL 20		GAS	V V V V	
		KA-2207(LESS)	A-9						
		KA-6020-00	A-9						
		KA-2207(LESS)	A-9						
41	A	KA-6020-00	A-9	KEMRESIN BLACK	MTL 20		GAS	V V V	
		KA-2207(LESS)	A-9						
		KA-6020-00	A-9						
	D		KA-6020-00	A-9	KEMRESIN BLACK	MTL 20		GAS	V V
			KA-2207(LESS)	A-9					
	C		KA-6020-00	A-9	KEMRESIN BLACK	MTL 20		GAS	V V
			KA-2207(LESS)	A-9					
42	A	KE-2424	A-9	KEMRESIN BLACK	MTL 20			A A A A	
		KD-2226	A-9						
		KD-2226	A-9						
		KL-405-1A	A-9						
	D		KA-3622-1A	A-9	KEMRESIN BLACK	MTL 20	MTL 20		A A A A
			KE-2424	A-9					
			KE-2424	A-9					
	C		KL-401-1	A-9	KEMRESIN BLACK	MTL 20	MTL 20	GAS	A A
			KB-2008	A-9					
D		KD-2226	A-9	KEMRESIN BLACK	MTL 20		GAS	A A	
		KA-2622-1A	A-9						
E		KA-2220-00	A-9	KEMRESIN BLACK	MTL 20		GAS	O O	
		KA-2220-00	A-9						
G		KD-2220	A-9	KEMRESIN BLACK	MTL 20		GAS	A A	
		SH-1225-E	A-9						
H		KA-2622-1D	A-9	KEMRESIN BLACK	MTL 20		GAS	O O I I	
		KA-1220(LESS)	A-9						
		KE-1422	A-9						
		KD-2226	A-9						
I		KA-1422	A-9	KEMRESIN BLACK	MTL 20		GAS	A A	
		KD-2226	A-9						

ROOM NO.	ELEV.	MANUF. CODE	SHT	FINISHES		BASE	ACCESSORY	REMARKS
				COUNTERTOP MAT'L. COLOR	CABINET MAT'L. COLOR			
43	A	KA-2020	A-9	KEMRESIN BLACK	MTL 20			A A A A A
		KD-1422	A-9					
		KD-1422	A-9					
		KD-1422	A-9					
		KD-1422	A-9					
		KA-2020	A-9					
		KA-2020	A-9					
		KA-2020	A-9					
		KA-2020	A-9					
		KA-2020	A-9					
44	A	KA-6020-00	A-9	KEMRESIN BLACK	MTL 20		GAS	V V V
		KA-2207(LESS)	A-9					
		KA-6020-00	A-9					
		KA-2207(LESS)	A-9					
45	A	KD-2202	A-9	KEMRESIN BLACK	MTL 20			A A A
		KA-2622-1C	A-9					
		KA-1220(LESS)	A-9					
46	A	KA-6020-00	A-9	KEMRESIN BLACK	MTL 20		GAS	V V V V
		KA-2207(LESS)	A-9					
		KA-6020-00	A-9					
		KA-2207(LESS)	A-9					
47	A	SH-1225-E	A-11	KEMRESIN BLACK	MTL 20		GAS	I I I I I I I
		KA-4022-2D	A-11					
		KA-4022-2D	A-11					
		KA-4022-2D	A-11					
		KA-4022-1C	A-11					
		KA-1220(LESS)	A-11					
		KA-1220	A-11					
D		KA-4022-1D	A-11	KEMRESIN BLACK	MTL 20		GAS	I I I I I
		KA-1220	A-11					
		KA-6020-00	A-11					
		KA-1220(LESS)	A-11					
C		KE-1422	A-11	KEMRESIN BLACK	MTL 20		GAS	A A A
		KA-2204	A-11					
		KA-1422	A-11					
D		KD-2504	A-11	KEMRESIN BLACK	MTL 20		GAS	A A
		KA-2504	A-11					

NOTE: SEE (B) FOR TYPICAL LAB FURNITURE SECTIONS.

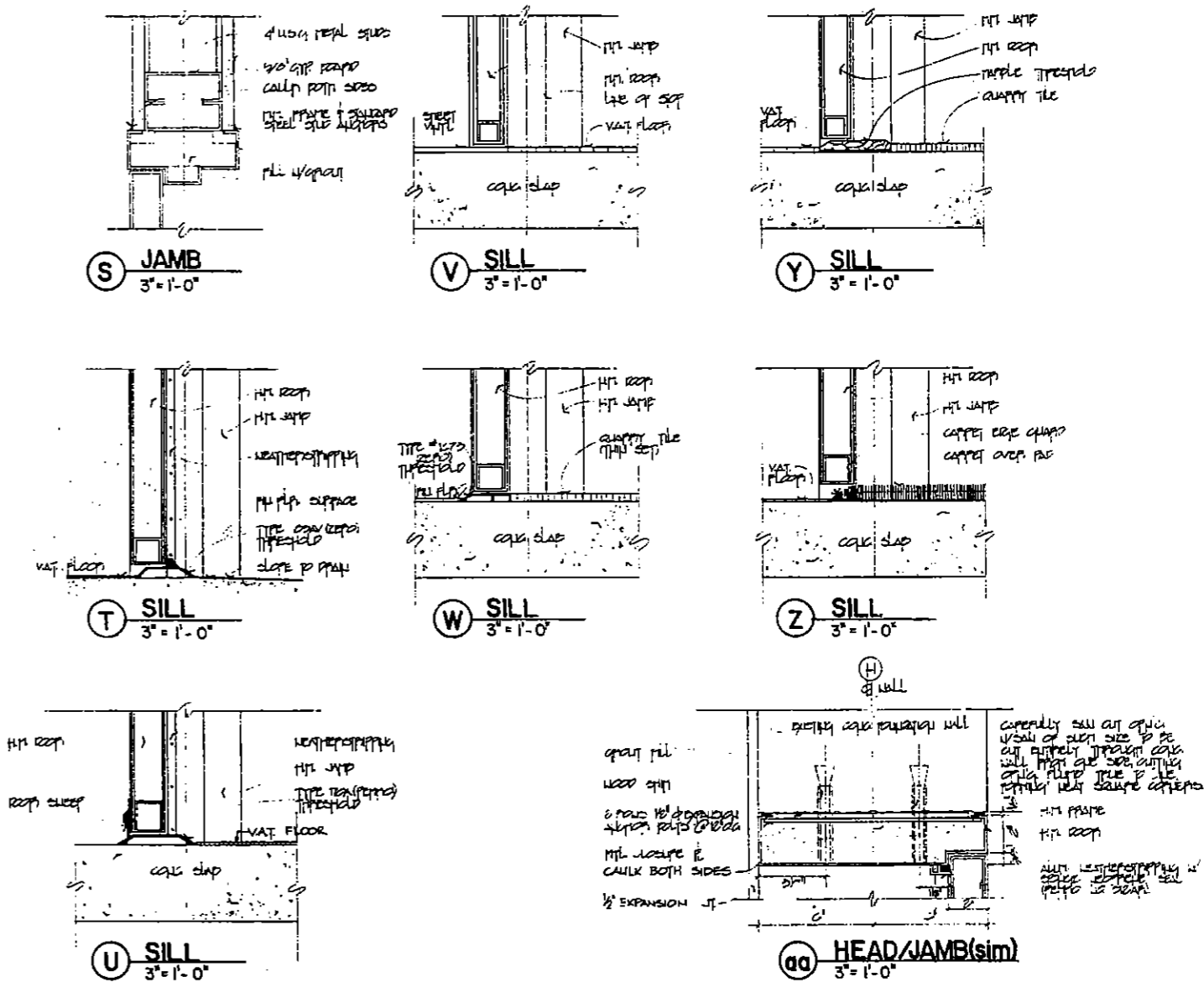
REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB MADISON, WISCONSIN <b>LAB FURNITURE SCHEDULE (2)</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
1/79	CRJ	CRJ		DEC-WI 927-32.0





# LAB FURNITURE SCHED.

ROOM NO.	ELEV.	MANUF. CODE	FINISHES				BASE	ACCESSORY	REMARKS	
			SHT	COUNTERTOP MAT'L	COLOR	CABINET MAT'L				COLOR
K0	A	KA-2022-1D (KA-2022-1D00)	A-I	KEMRESIN	BLACK	MTL	2022	SEAMLESS	GND	O O I I I I I I O O
						MTL	20			
						MTL	2022			
						MTL	2022			
						MTL	2022			
						MTL	2022			
						MTL	2022			
						MTL	2022			
						MTL	20			
						MTL	20			
D		KD-2123	A-I	KEMRESIN	BLACK	MTL	2022	SEAMLESS	GND	D D D D D
						MTL	2022			
						MTL	2022			
						MTL	2022			
						MTL	2022			
ITD	A	KA-2022-1D (KA-2022-1D00)	A-I	KEMRESIN	BLACK	MTL	2022	SEAMLESS	GND	P P P A G
						MTL	20			
						MTL	2022			
D		KE-2020	A-I	KEMRESIN	BLACK	MTL	2022	VINYL (BLACK)	LOCK TOP 2 DRAWERS	A A A A A
						MTL	2022			
						MTL	2022			
						MTL	2022			
						MTL	2022			
C		KA-2022-1C (KA-2022-1C00)	A-II	S.S.	BLACK	MTL	2022	SEAMLESS	GND	P P A G
						MTL	20			
						MTL	2022			
						MTL	2022			
						MTL	20			
						MTL	20			

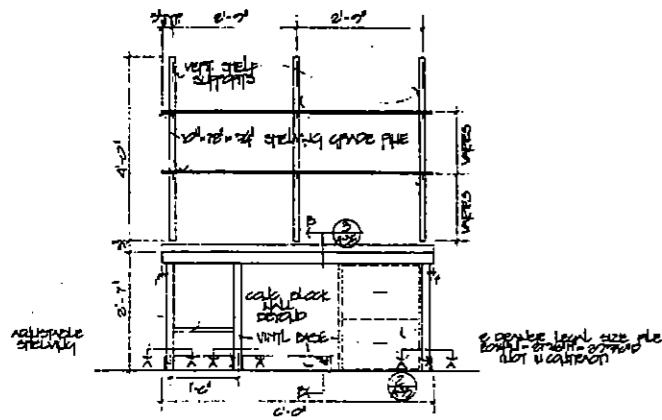


## FRAME DETAILS

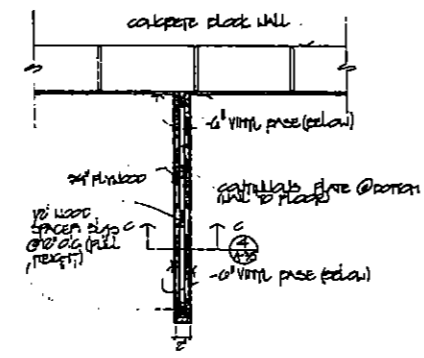
NOTE: SEE 13 A.30 FOR TYPICAL LAB FURNITURE SECTIONS.  
SEE SHEET A-19 FOR OTHER FRAME DETAILS.



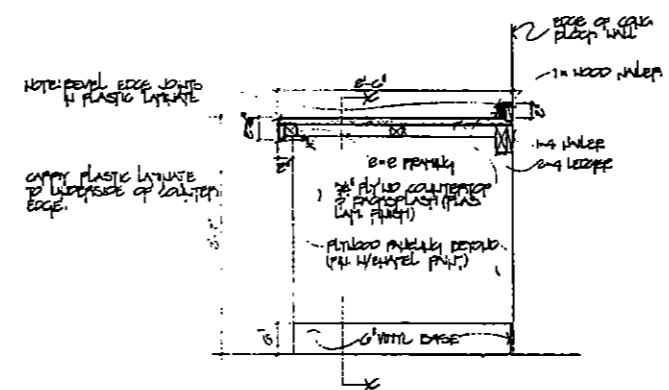
REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB				
LAB FURNITURE SCHEDULE (4) and FRAME DETAILS				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
1/79	CRJ/	DLP		DEC-WI 927-34.0



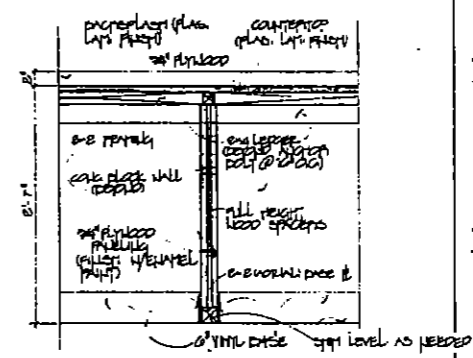
1 DESK ELEV. @ RECTORY ROOM #36  
A-35 SCALE: 1/4" = 1'-0"



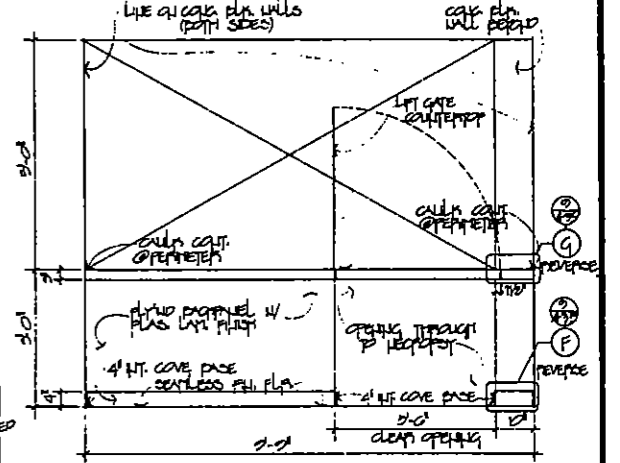
2 SECTION A-A (SEE 1/A-35)  
A-35 SCALE: 1/4" = 1'-0"



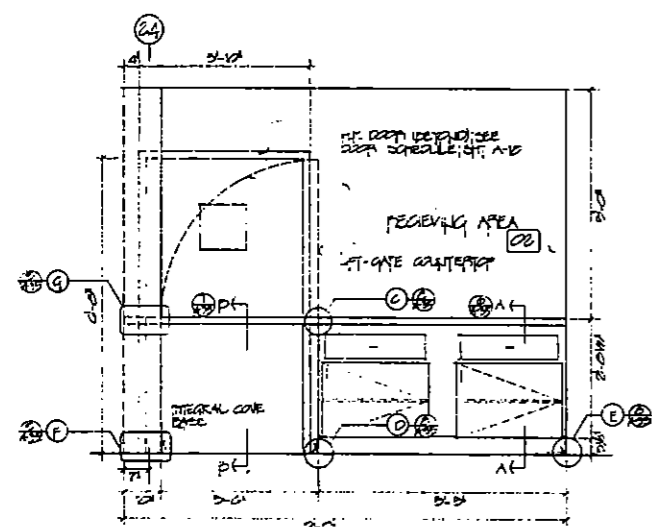
3 SECTION B-B (SEE 1/A-35)  
A-35 SCALE: 1/4" = 1'-0"



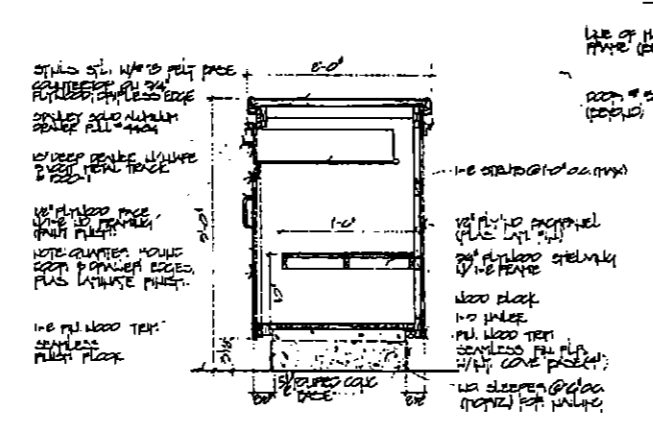
4 SECTION C-C (SEE 2/A-35)  
A-35 SCALE: 1/4" = 1'-0"



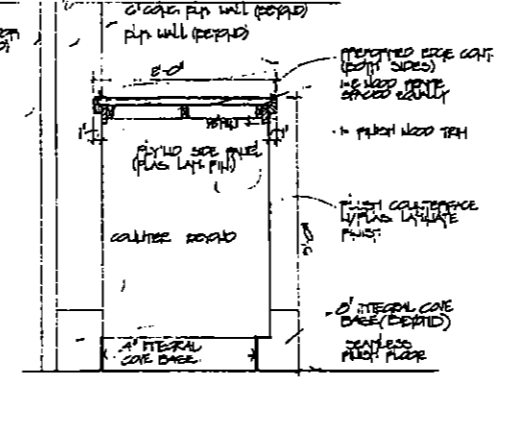
10 COUNTER ELEV. @ RECEIVING AREA  
A-35 SCALE: 1/4" = 1'-0"



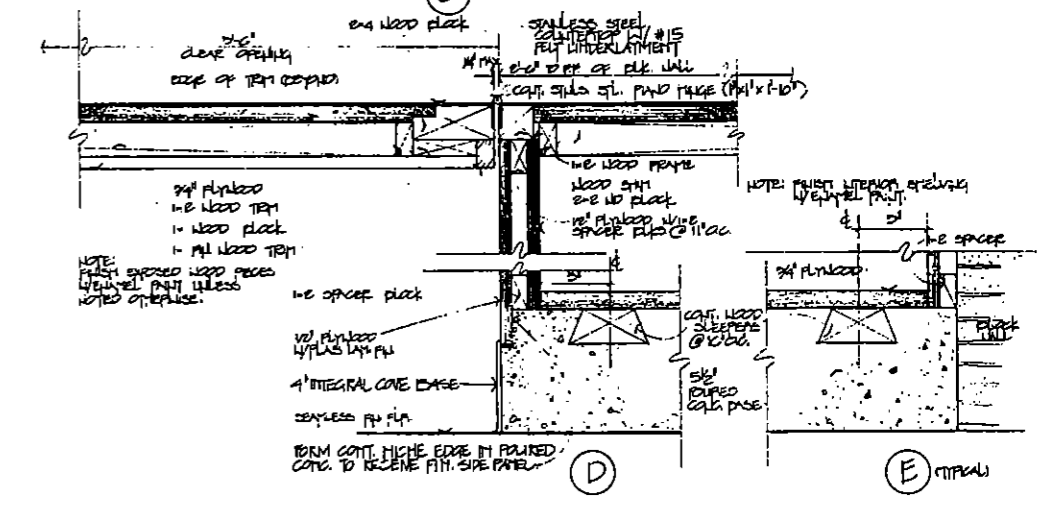
5 COUNTER ELEV. @ RECEIVING AREA  
A-35 SCALE: 1/4" = 1'-0"



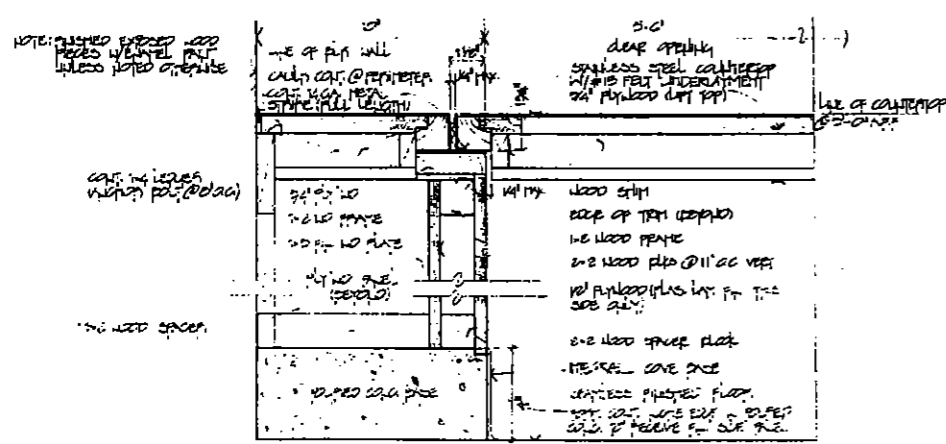
6 SECTION A-A (SEE ELEV. 5/A-35)  
A-35 SCALE: 1/4" = 1'-0"



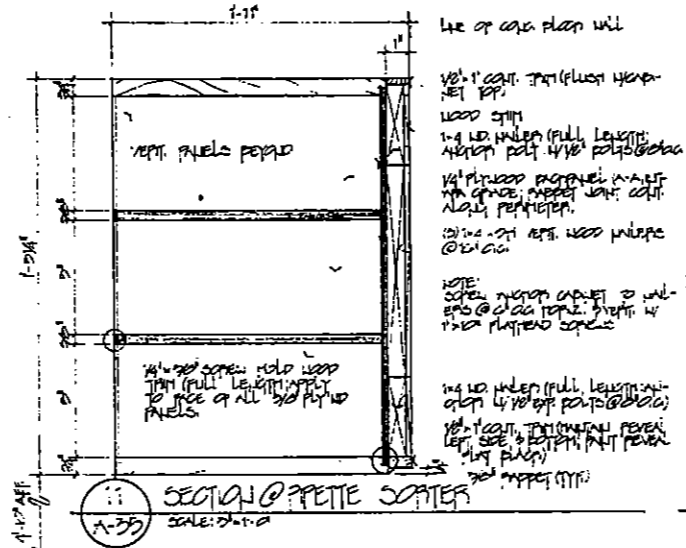
7 SECTION D-D (SEE 5/A-35)  
A-35 SCALE: 1/4" = 1'-0"



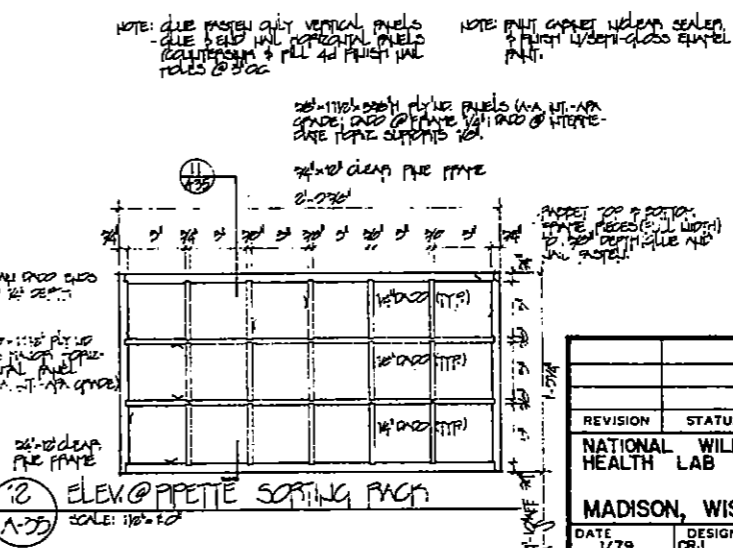
8 SECTION C-D & E (SEE ELEV. 5/A-35)  
A-35 SCALE: 1/4" = 1'-0"



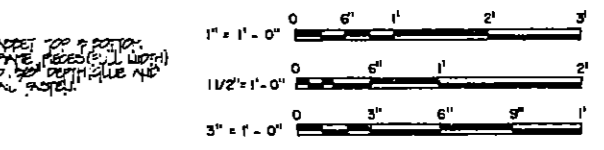
9 DETAIL F&G (SEE ELEV. 5/A-35 & 10/A-35)  
A-35 SCALE: 1/4" = 1'-0"



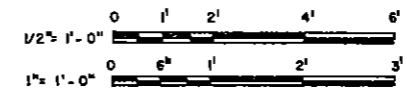
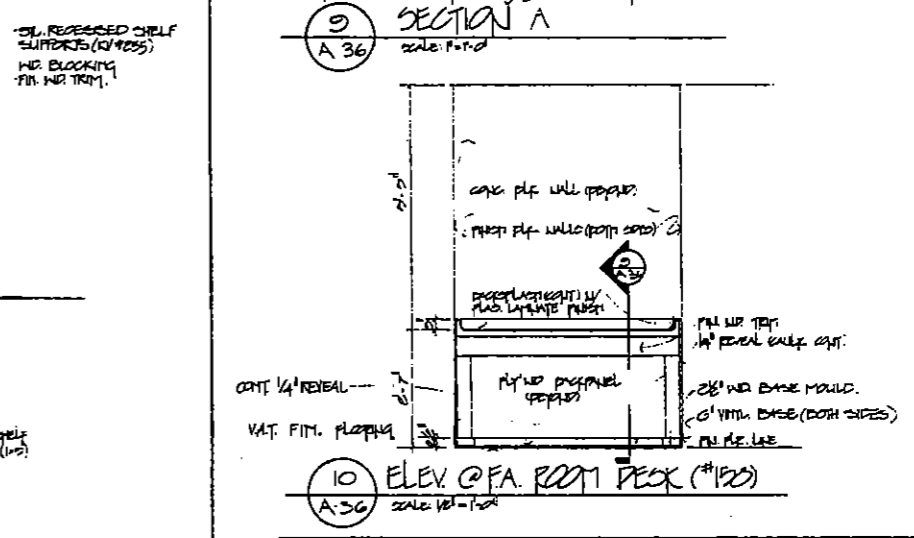
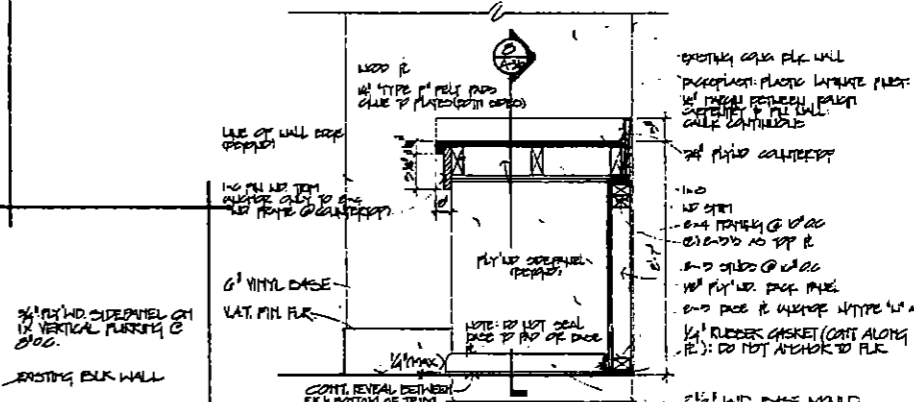
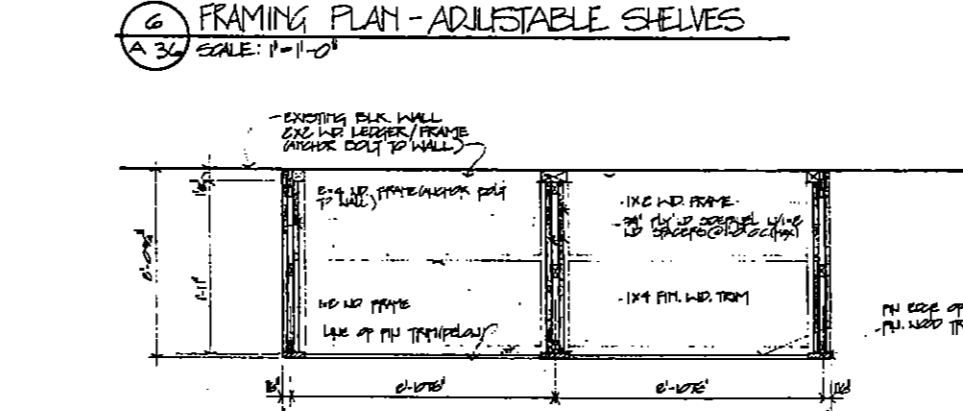
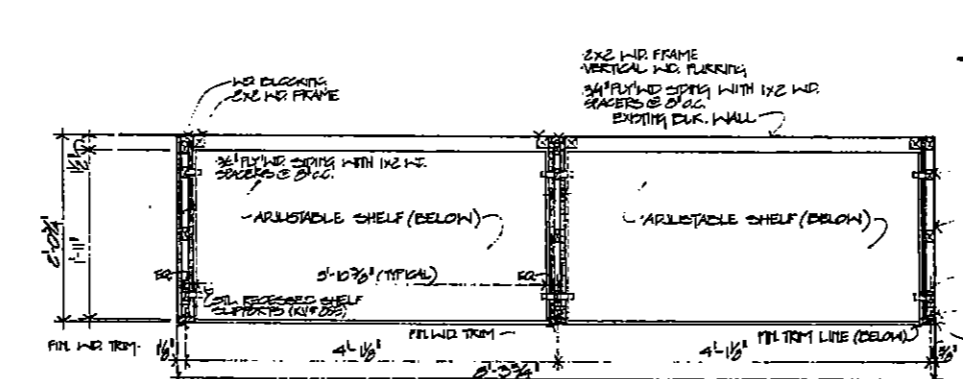
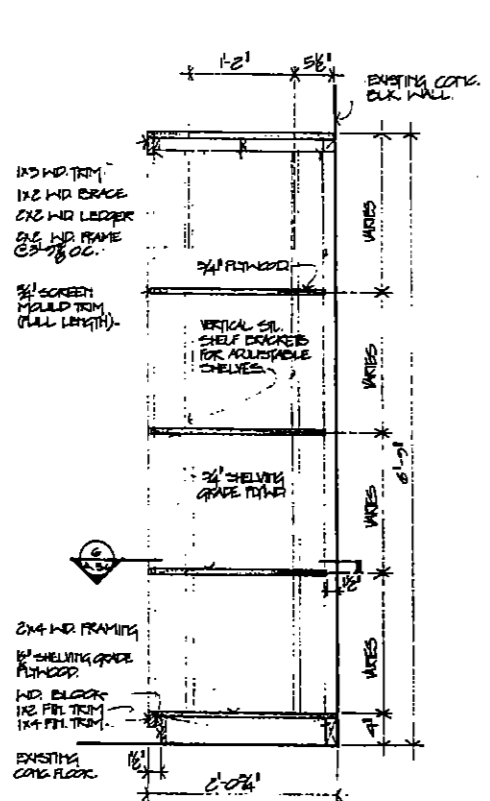
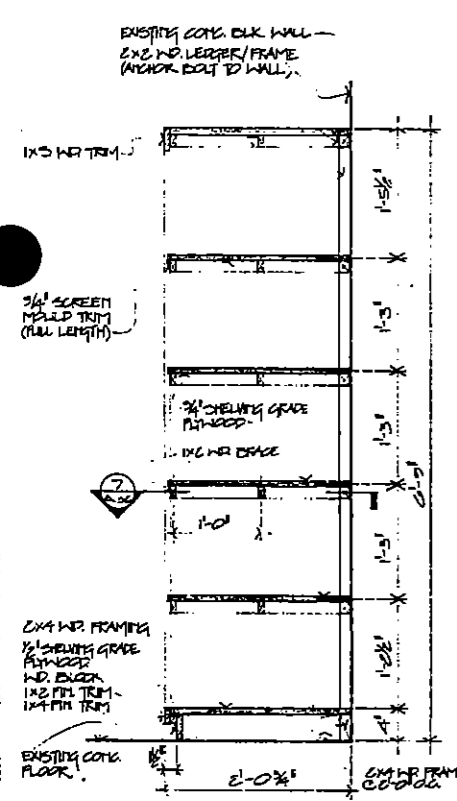
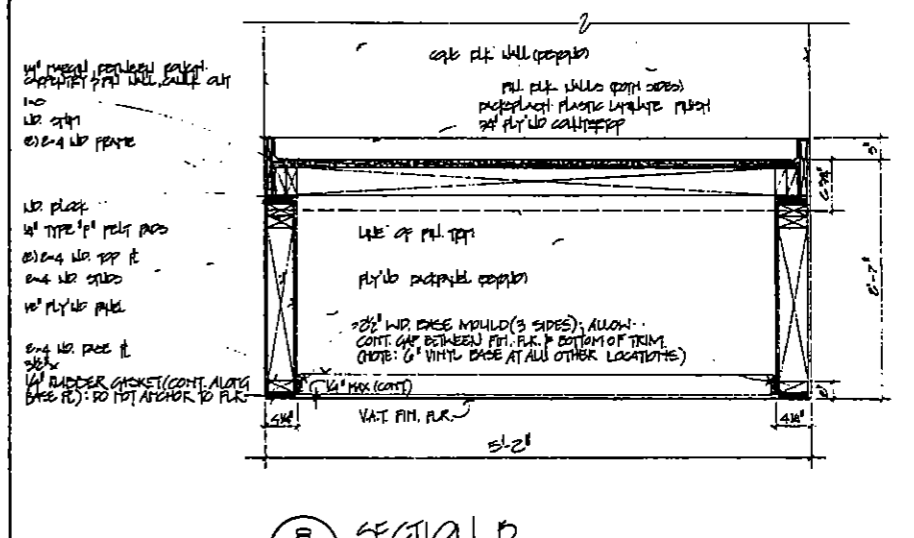
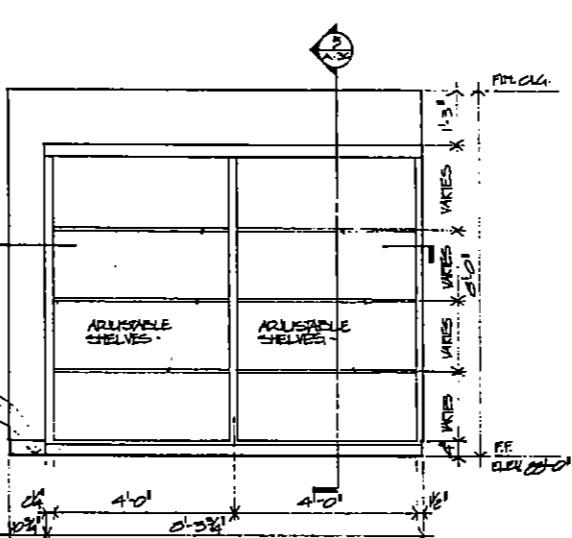
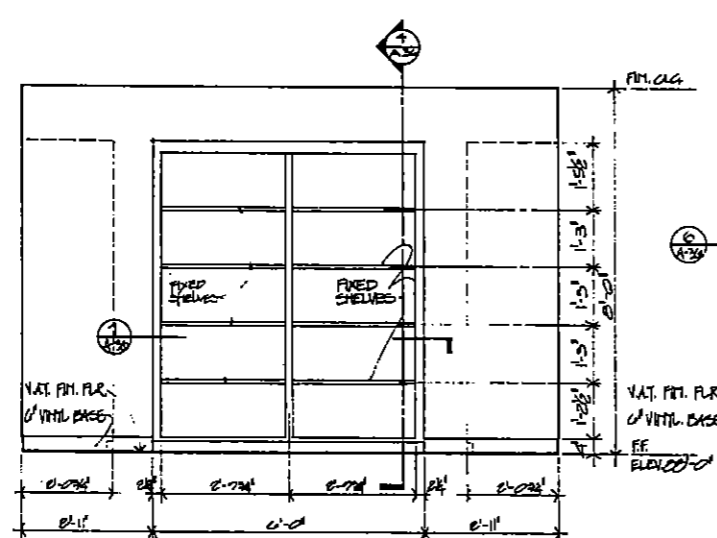
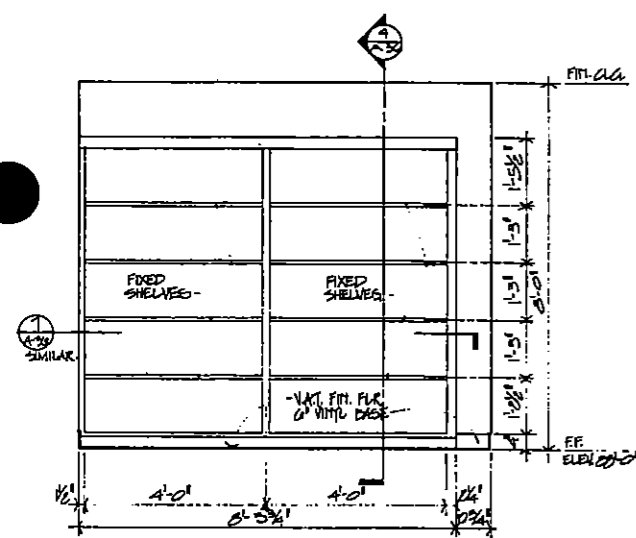
11 SECTION @ PETTIE SORTER  
A-35 SCALE: 1/4" = 1'-0"



12 ELEV. @ PETTIE SORTING PACK  
A-35 SCALE: 1/4" = 1'-0"

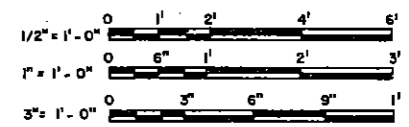
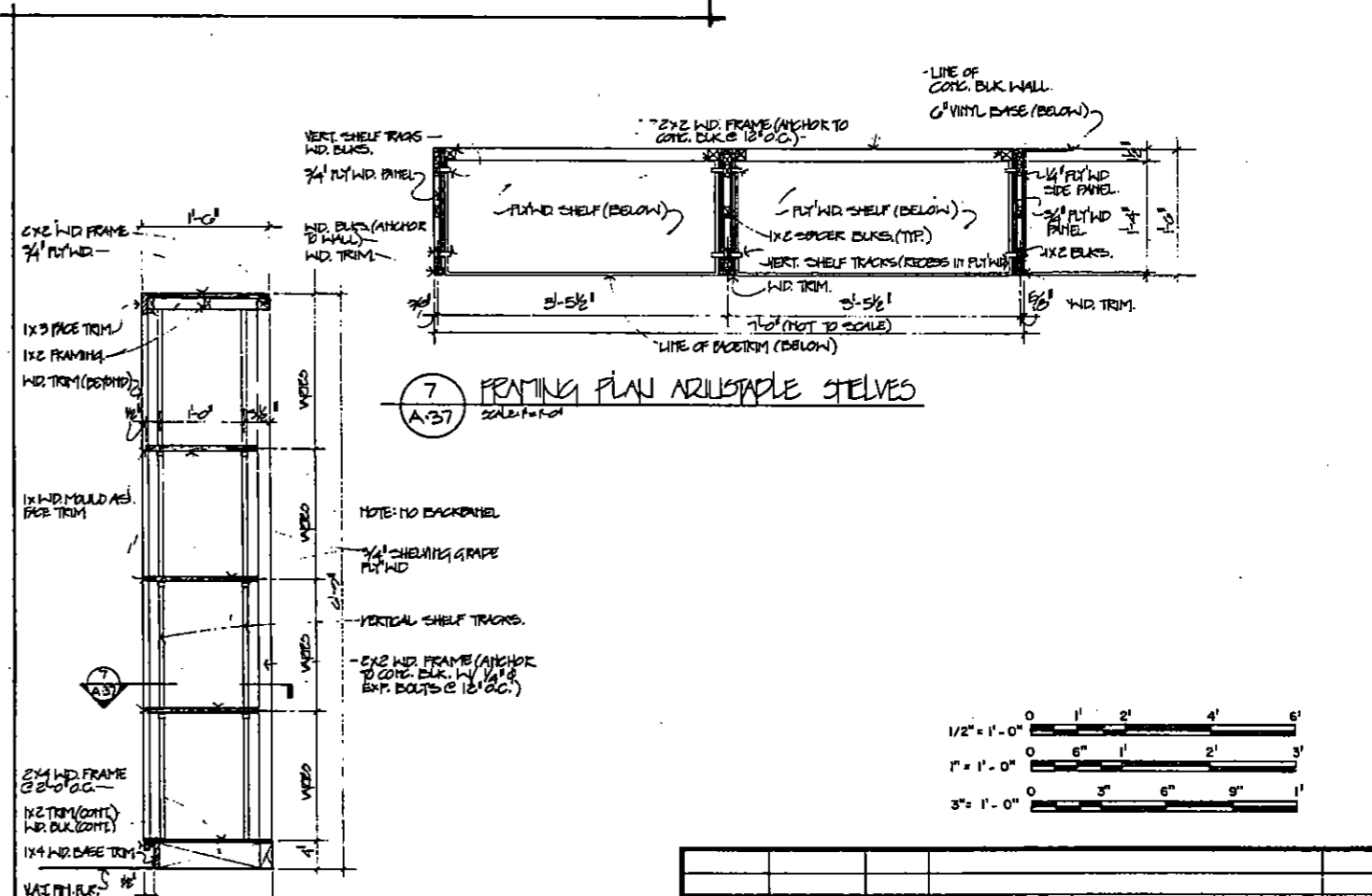
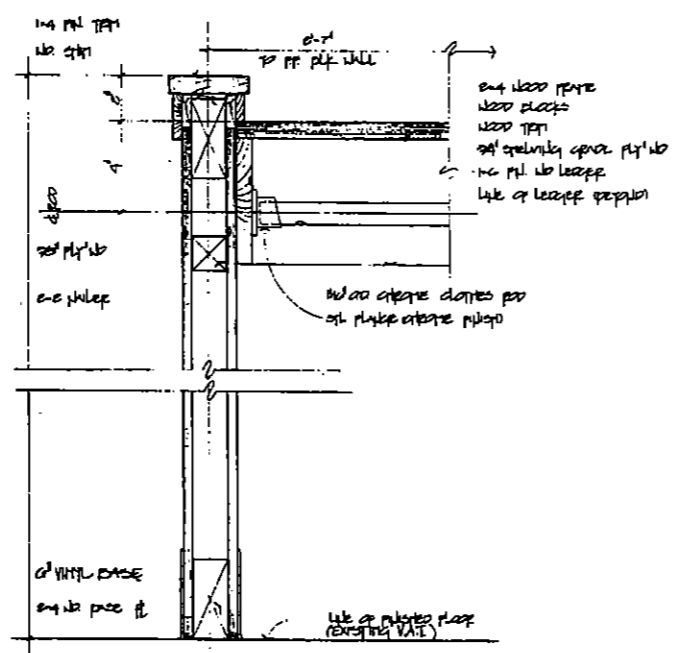
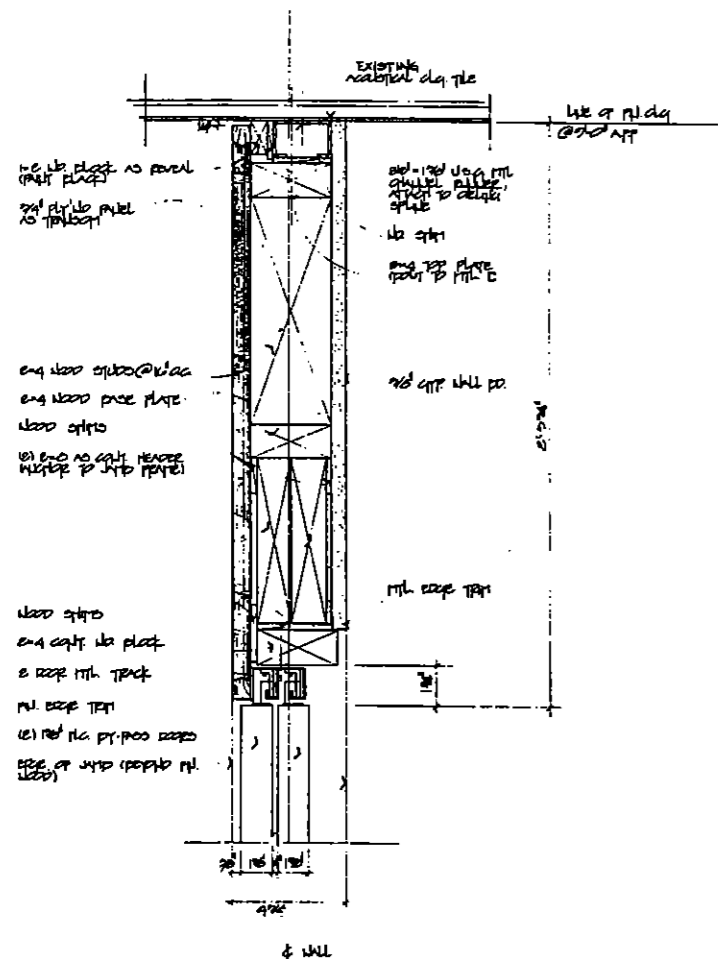
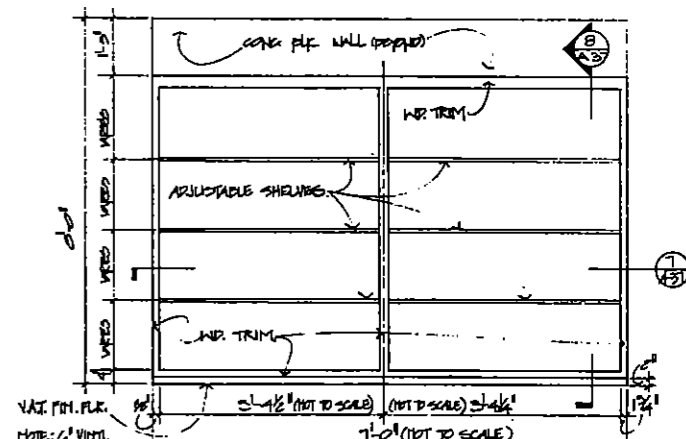
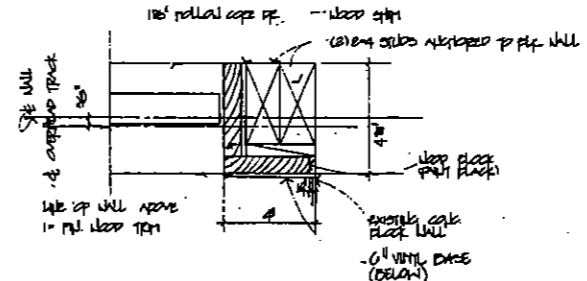
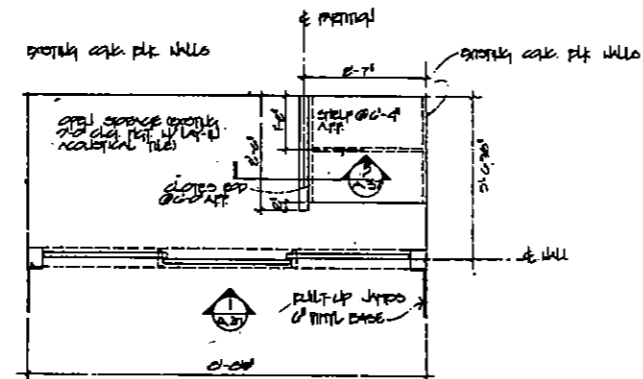
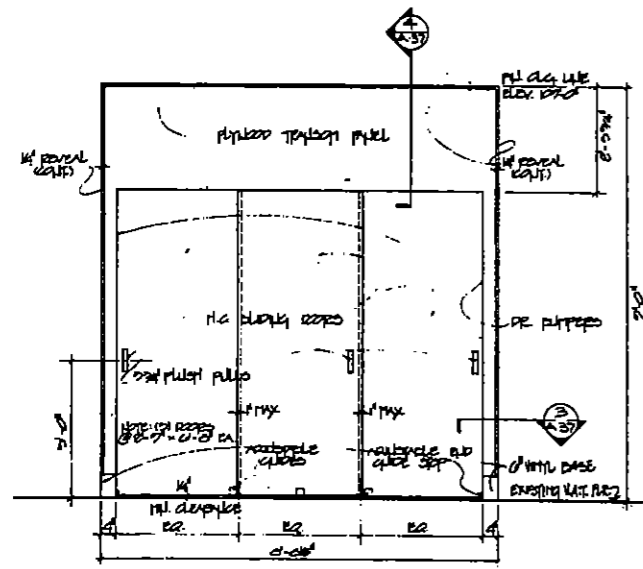


REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB				
<b>MILLWORK DETAILS (1)</b>				
<b>MADISON, WISCONSIN</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
1/79	CRJ	DLP		DEC-WI 927-35.0



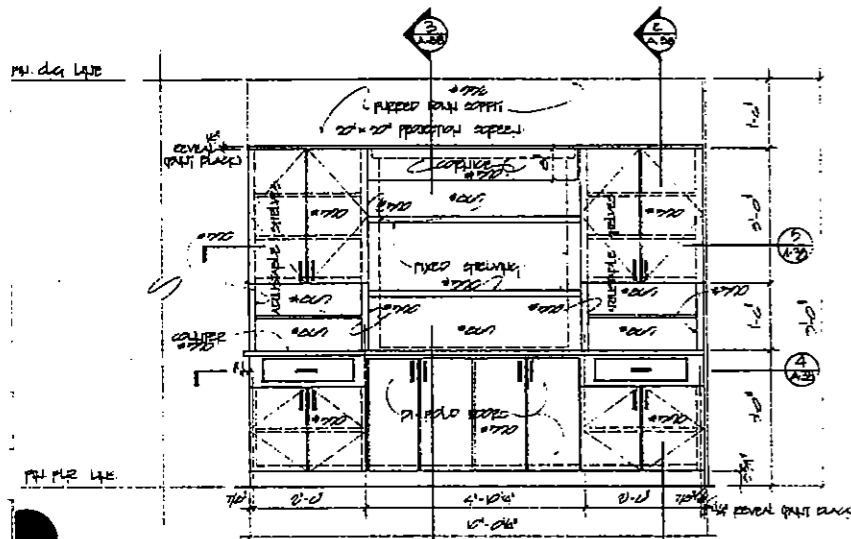
REVISION	STATUS	DATE	DESCRIPTION	BY

NATIONAL WILDLIFE HEALTH LAB  
MADISON, WISCONSIN  
DATE 1/78 DESIGNED CRJ DRAWN DLP CHECKED DRAWING NO. DEC-WI 927-36.0

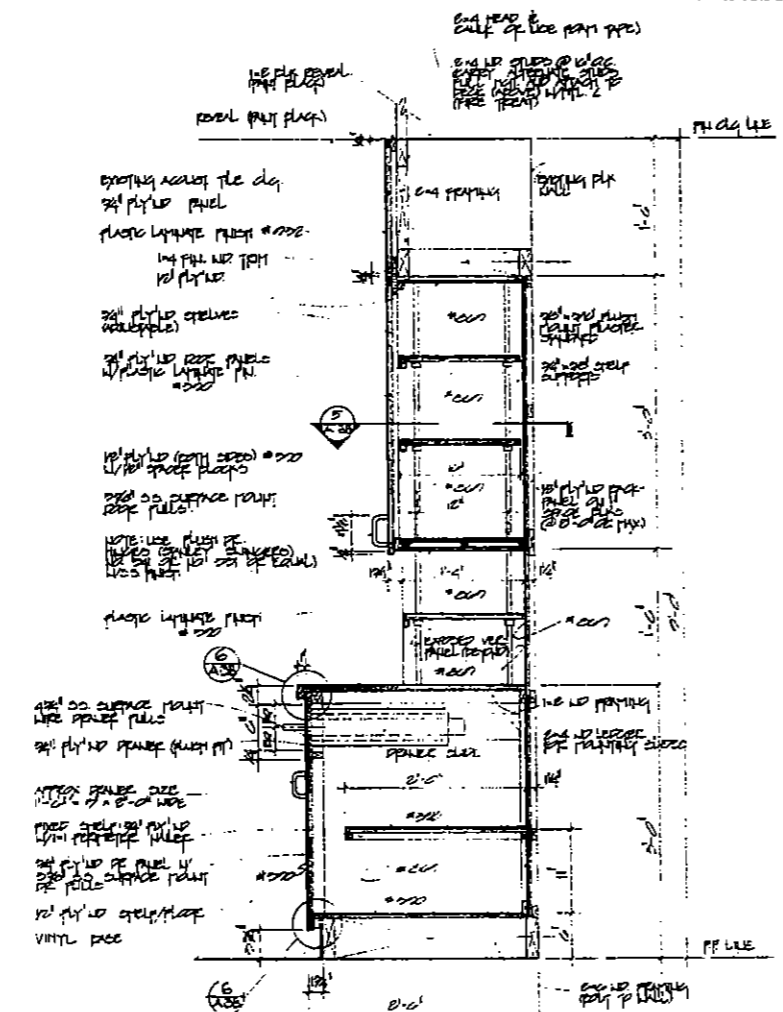


REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB				
MILLWORK DETAILS (3)				
MADISON, WISCONSIN				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
1/79	CRJ	DLP		DEC-WI 927-37.0

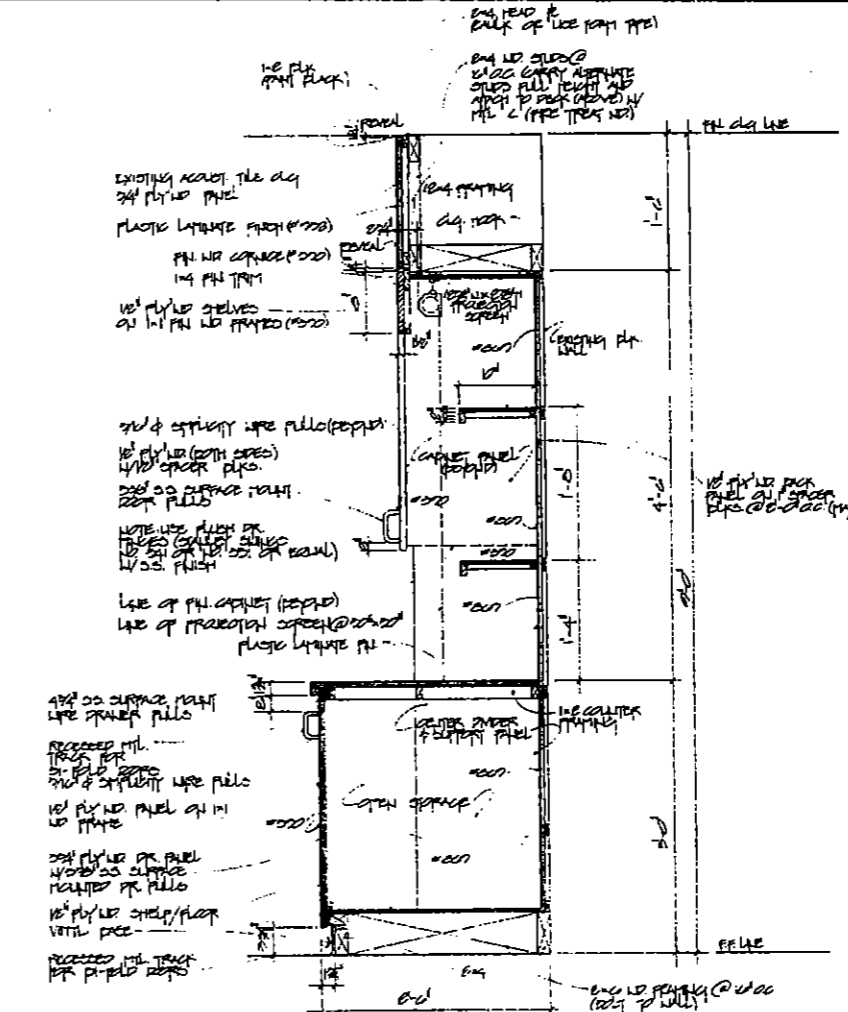
PLASTIC LAMINATE FINISHES (APPROX. COLORS & FINISHES)  
 #222 - APPEAR. TEAK  
 #223 - PINE  
 #224 - WHITE  
 NOTE: MOST EDGE SURFACES OF ALL CABINETS W/ #222.  
 ALL SHELF SURFACES W/ #222



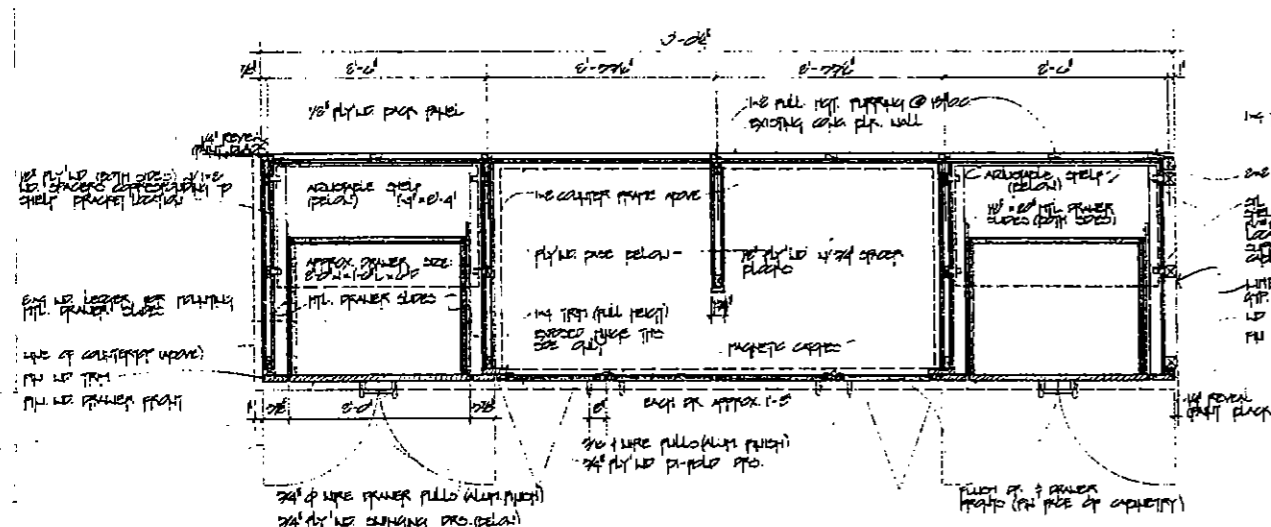
1 ELEVATION @ OFFICE CREDENZA (RM. #127)  
 A-38 SCALE: 1/2" = 1'-0"



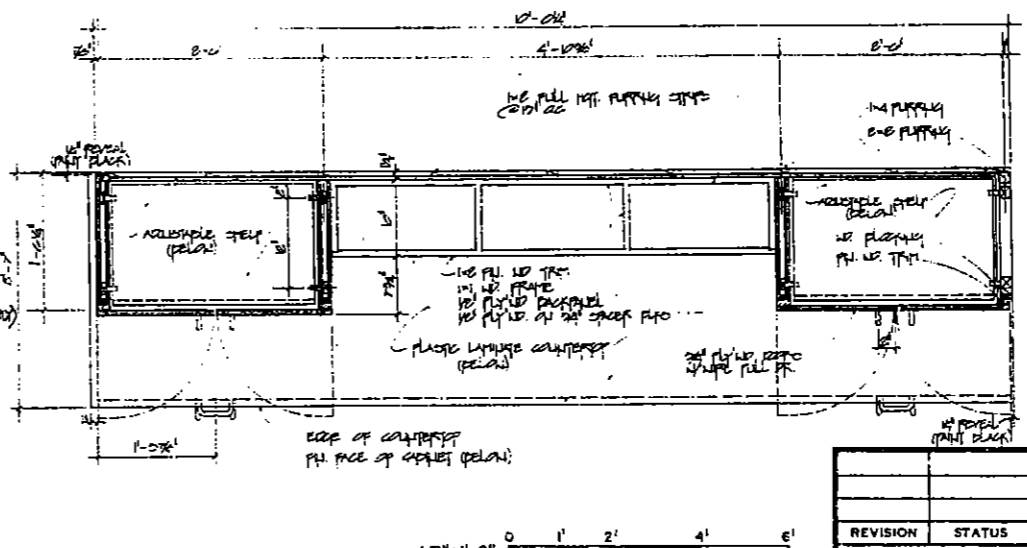
2 SECTION  
 A-38 SCALE: 1/2" = 1'-0"



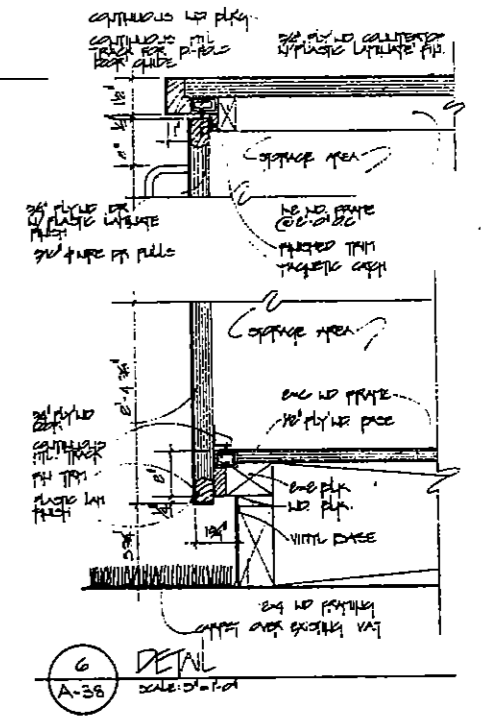
3 SECTION  
 A-38 SCALE: 1/2" = 1'-0"



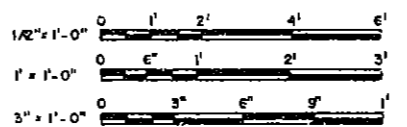
4 SECTION  
 A-38 SCALE: 1/2" = 1'-0"



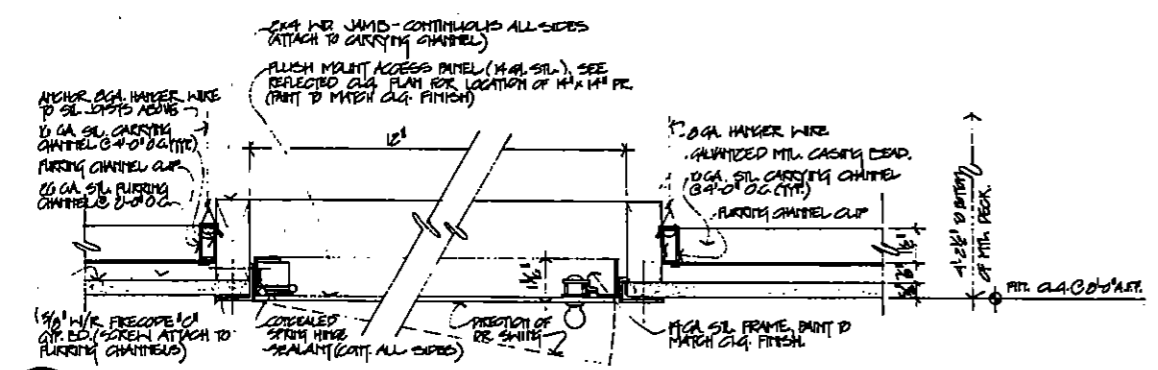
5 SECTION  
 A-38 SCALE: 1/2" = 1'-0"



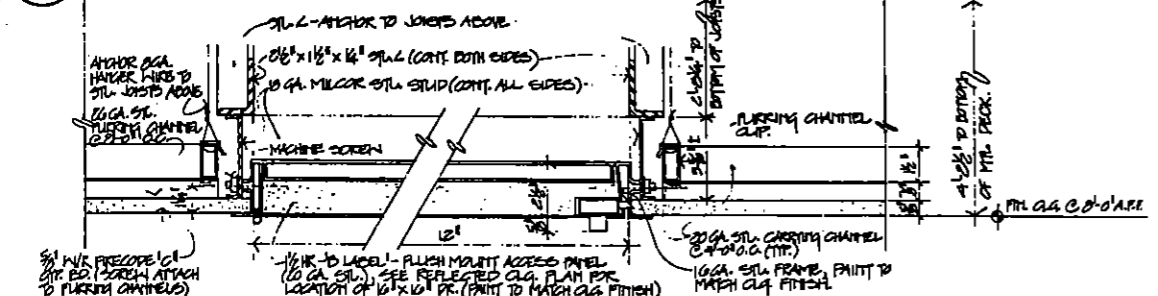
6 DETAIL  
 A-38 SCALE: 3/4" = 1'-0"



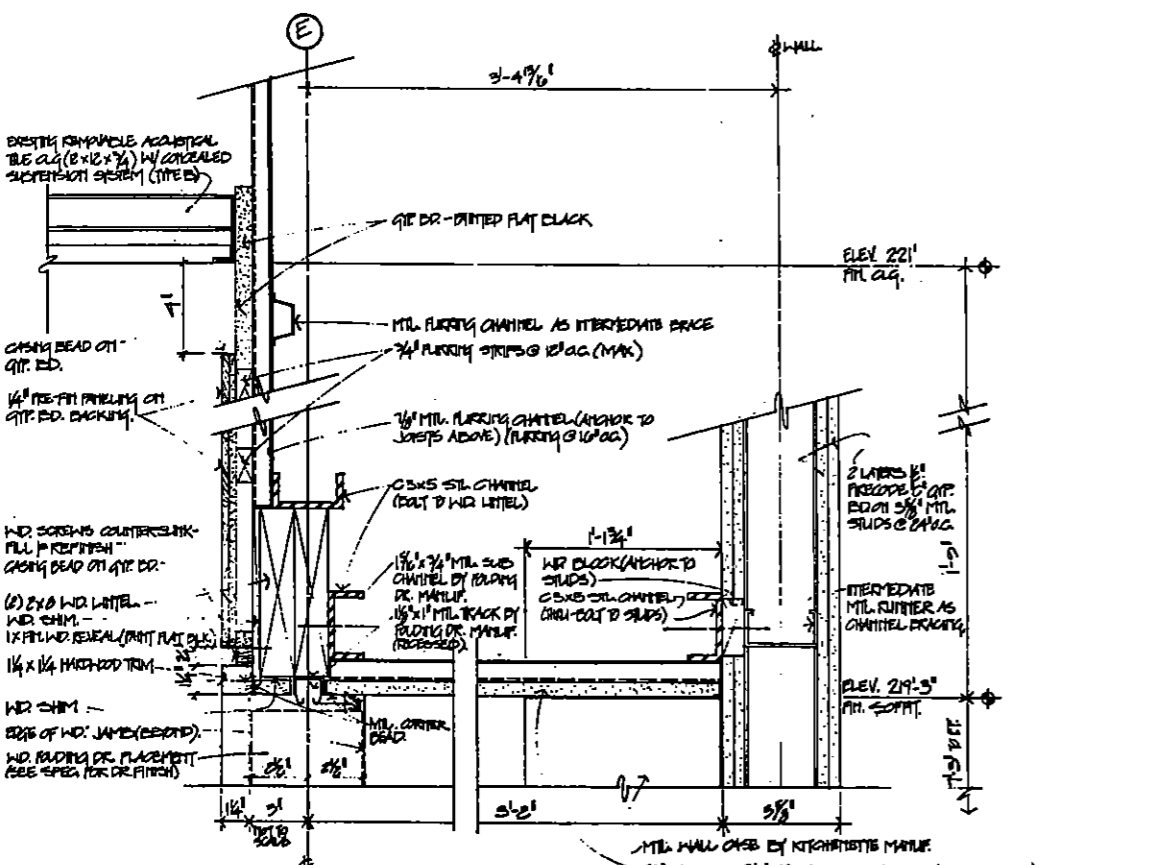
REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB				
<b>MILLWORK DETAILS (4)</b>				
MADISON, WISCONSIN				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
1/79	CRJ	DLP		DEC-WI 927-38.0



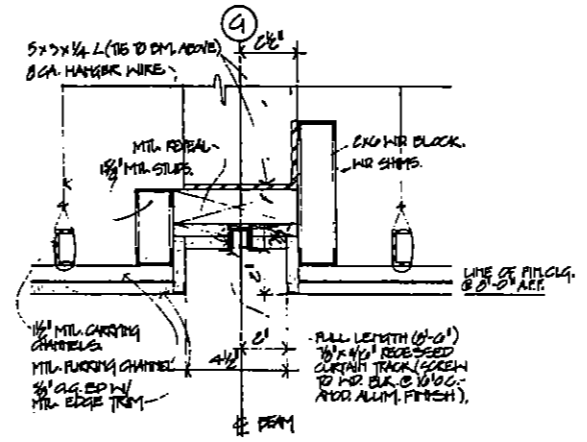
1 SECTION C CLG ACCESS PANEL - UNRATED  
A-39 SCALE: 3/4"=1'-0"



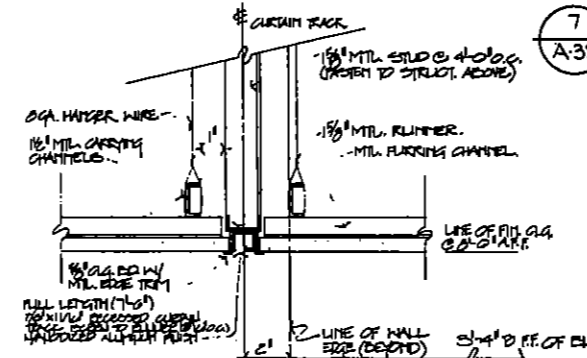
2 SECTION C CLG ACCESS PANEL - RATED  
A-39 SCALE: 3/4"=1'-0"



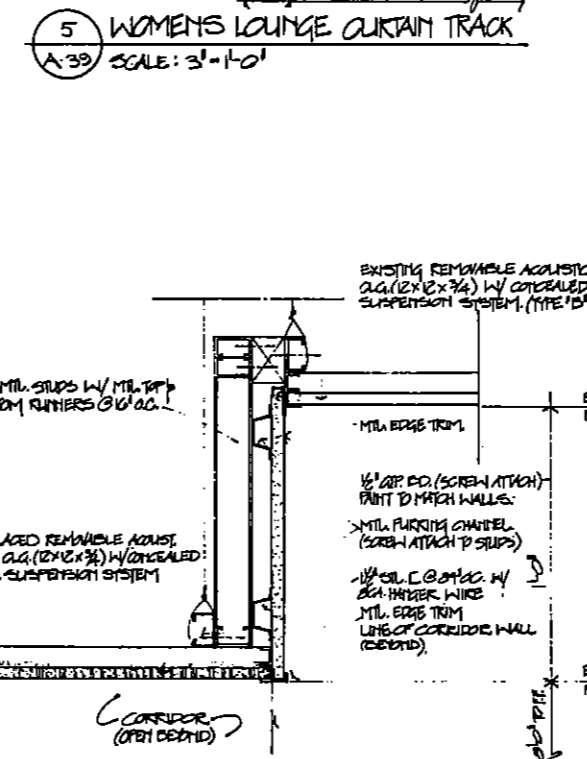
3 DROPPED CLG @ KITCHENETTE (RM. 131 A)  
A-39 SCALE: 3/4"=1'-0"



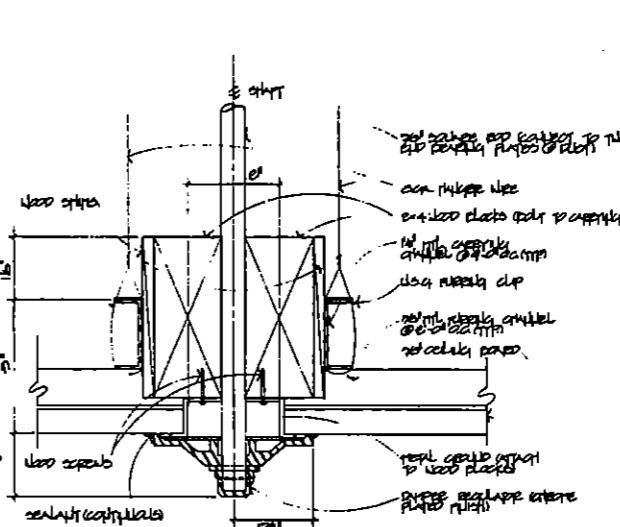
4 NEOCOPSY CURTAIN TRACK  
A-39 SCALE: 3/4"=1'-0"



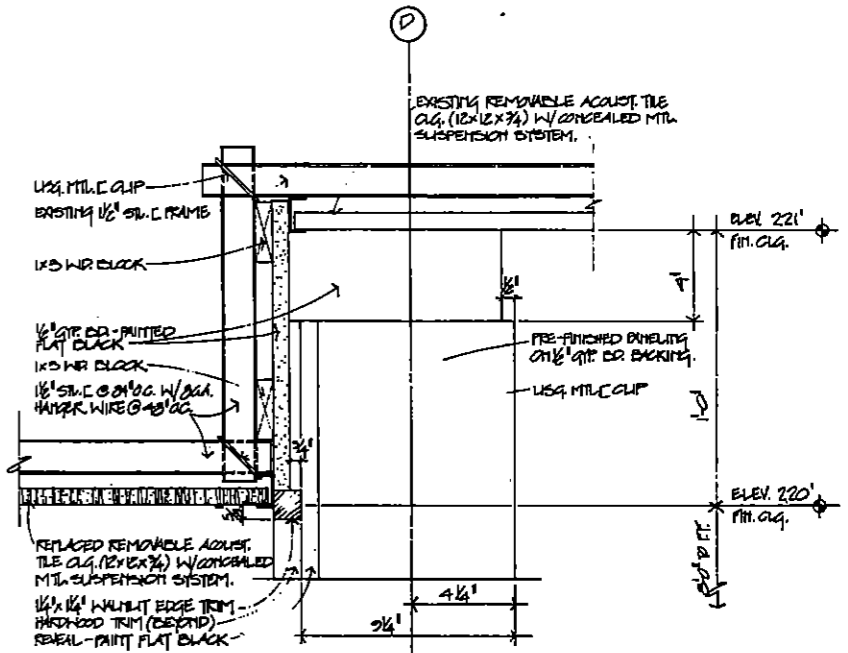
7 TYPICAL DRYER REGULATOR  
A-39 SCALE: 1/2"=1'-0"



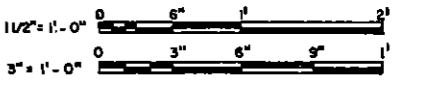
5 WOMENS LOUNGE CURTAIN TRACK  
A-39 SCALE: 3/4"=1'-0"



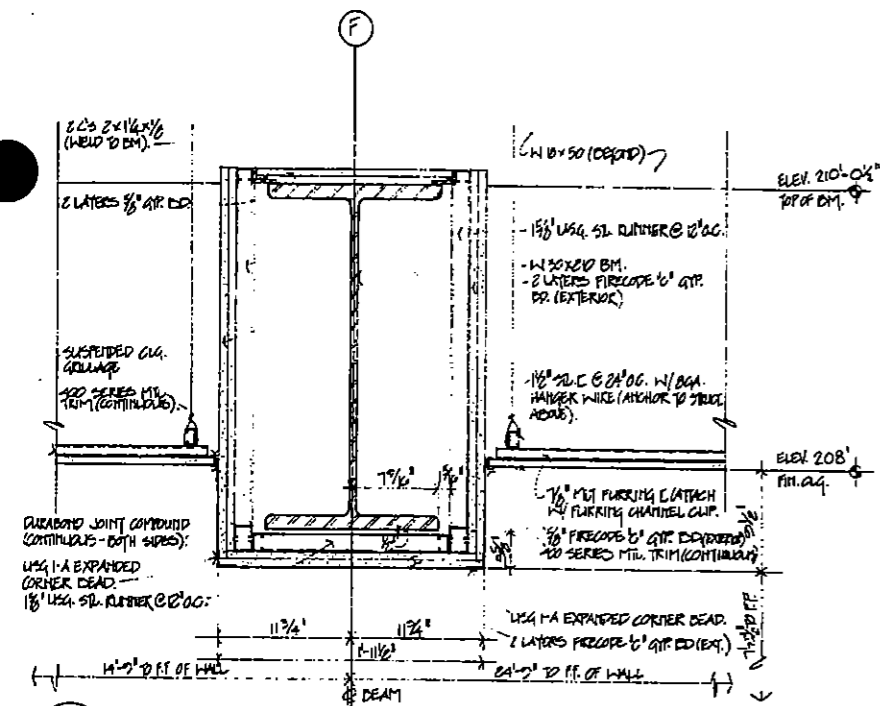
8 PROJECTION SCREEN VALANCE  
A-39 SCALE: 3/4"=1'-0"



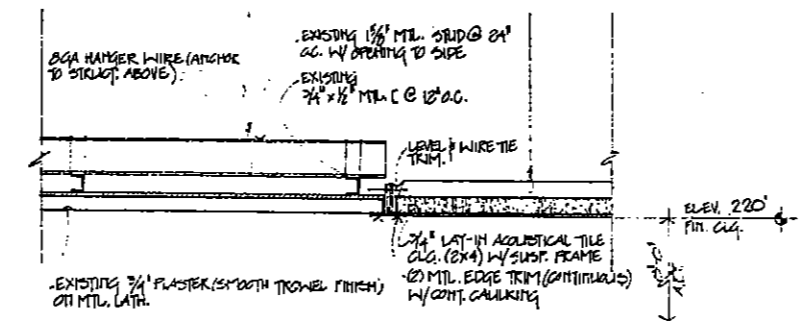
9 DROPPED CEILING @ CORRIDOR  
A-39 SCALE: 3/4"=1'-0"



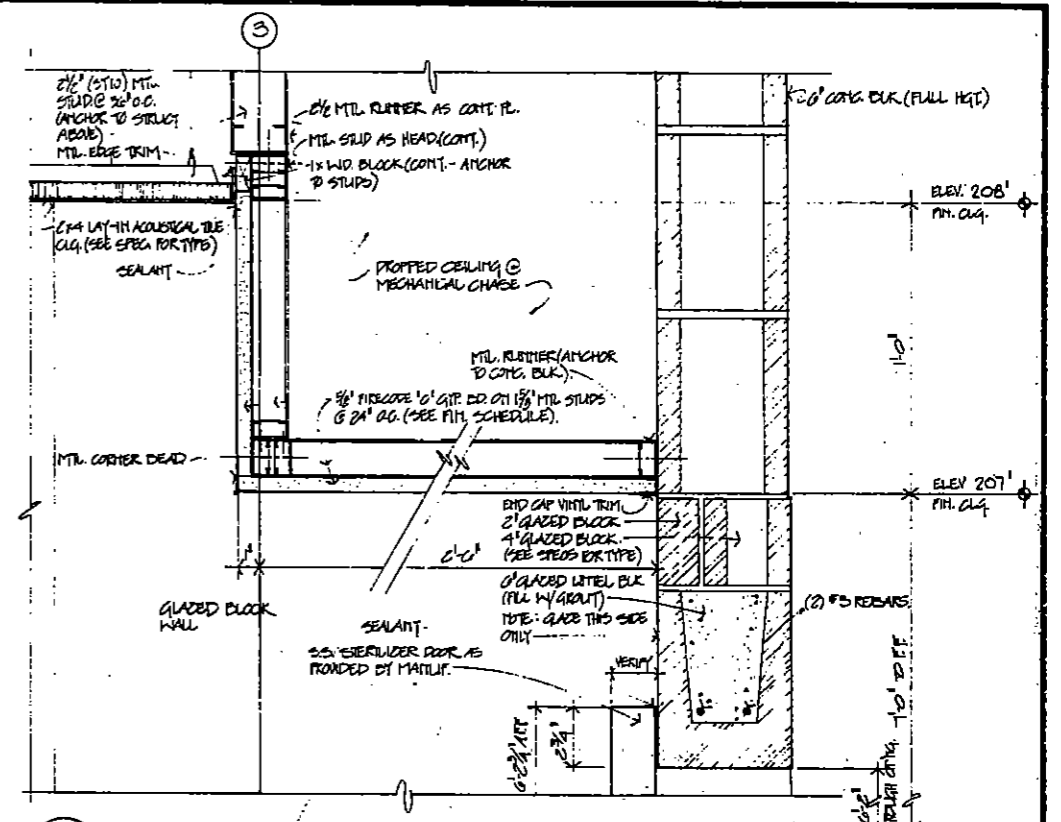
REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB				
MADISON, WISCONSIN				
CEILING DETAILS (I)				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
1/79	CBJ	CRJ		DEC-WI 927-39.0



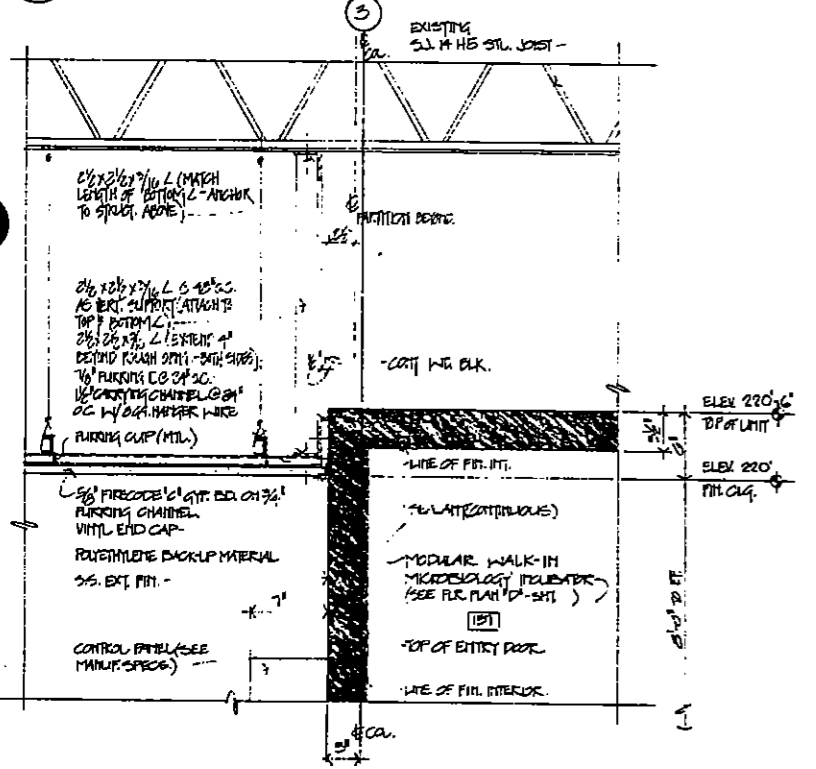
1 DROPPED CLG. @ MICROPSY BEAM  
A-40 SCALE: 1/8" = 1'-0"



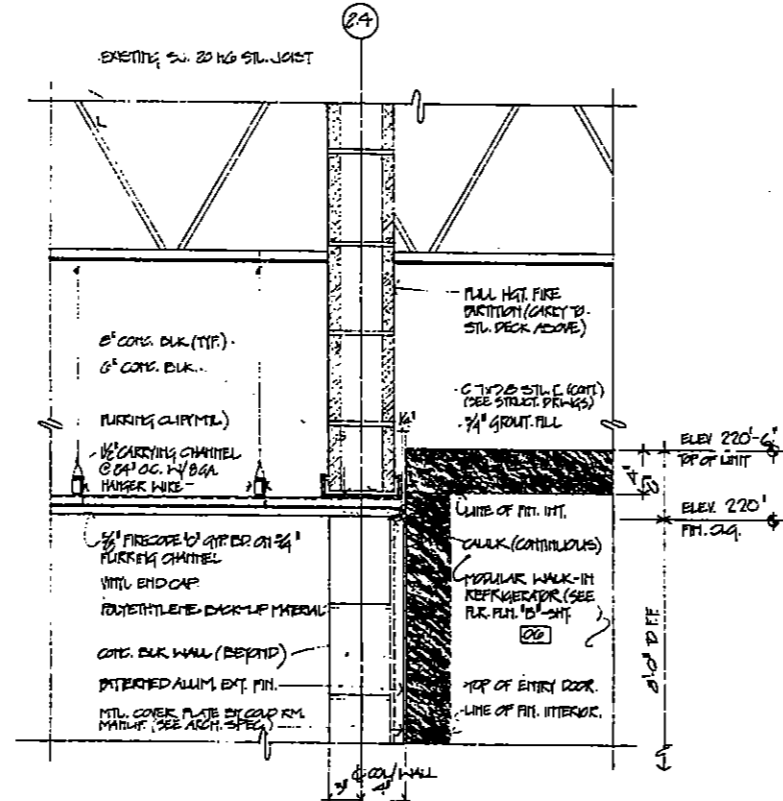
3 CHANGE OF FINISHED CEILING (RM 125)  
A-40 SCALE: 3/4" = 1'-0"



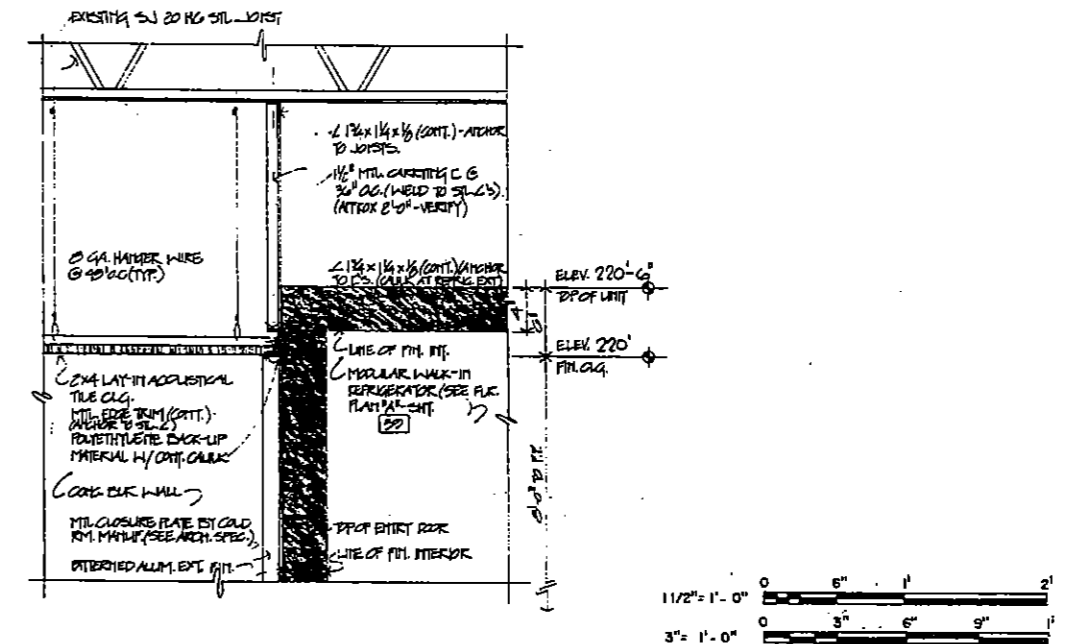
5 DROPPED CLG. @ MECHANICAL CHASE  
A-40 SCALE: 3/4" = 1'-0"



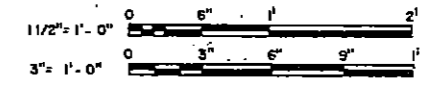
2 FINISHED CLG. @ MICRO-INCUBATOR  
A-40 SCALE: 1/8" = 1'-0"



4 FINISHED CLG. @ WALK-IN REFRY.  
A-40 SCALE: 1/8" = 1'-0"



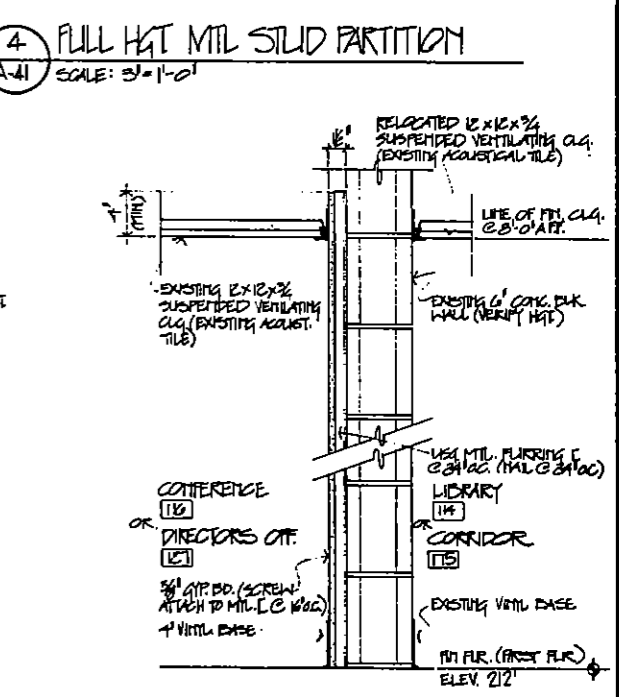
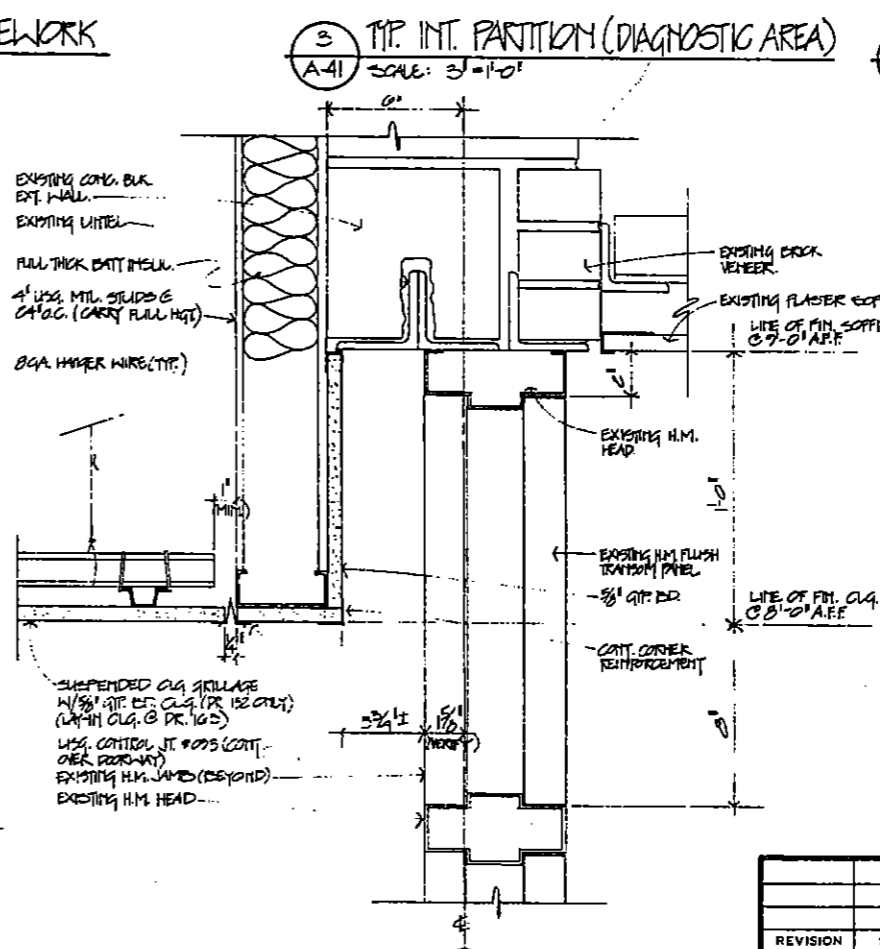
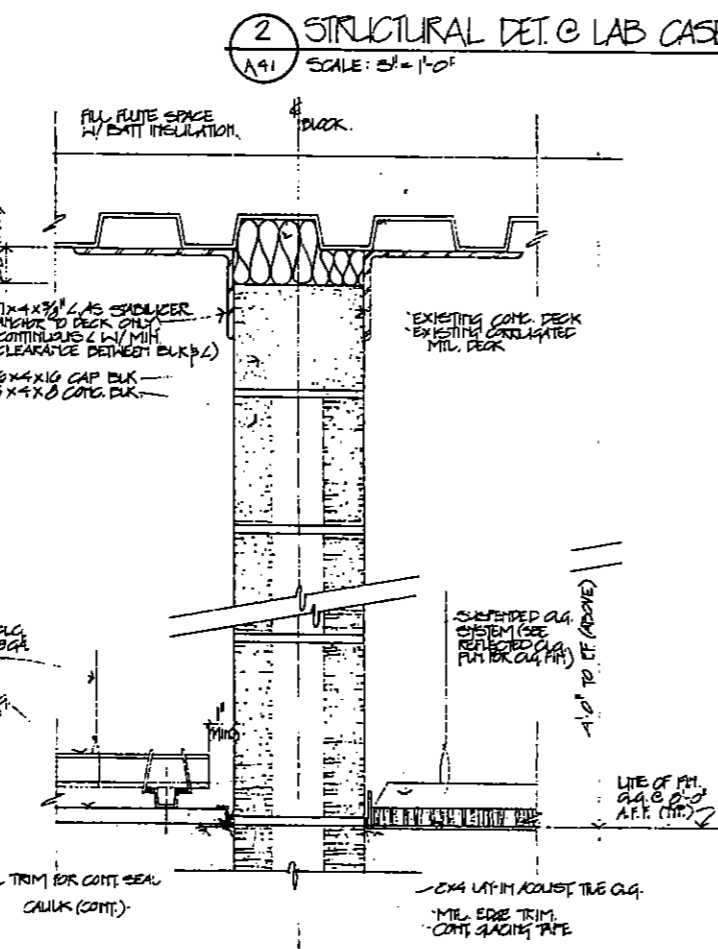
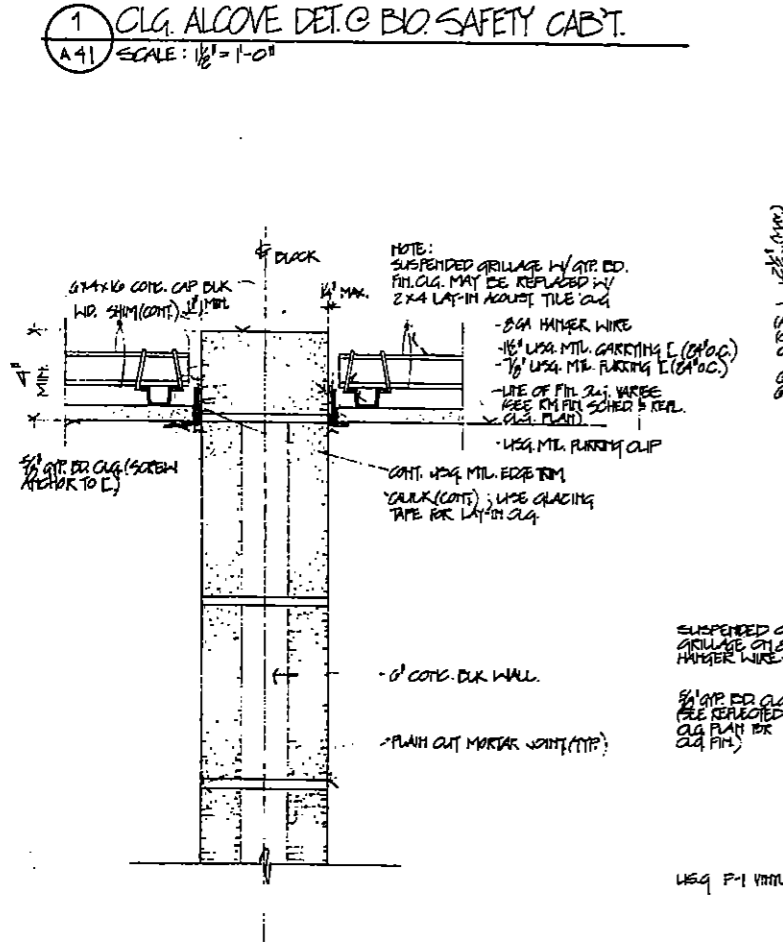
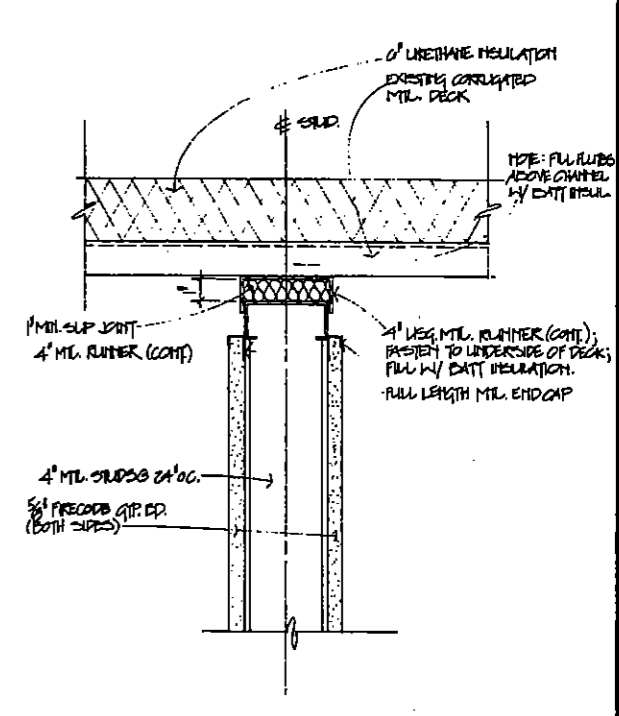
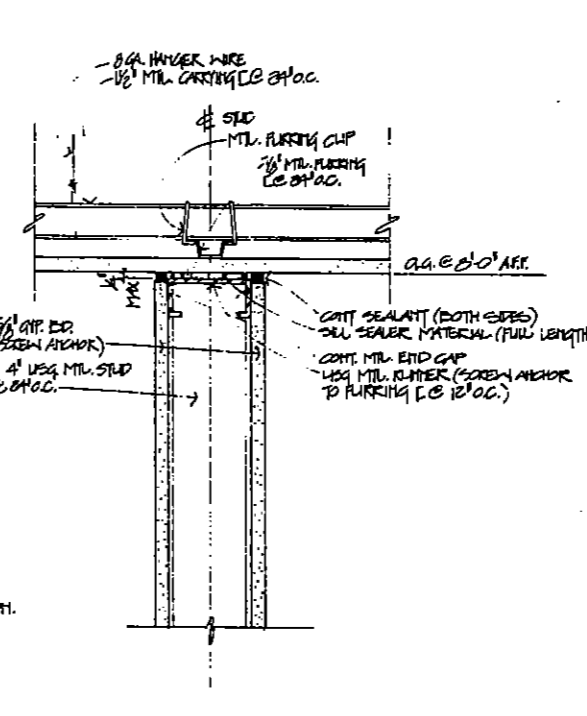
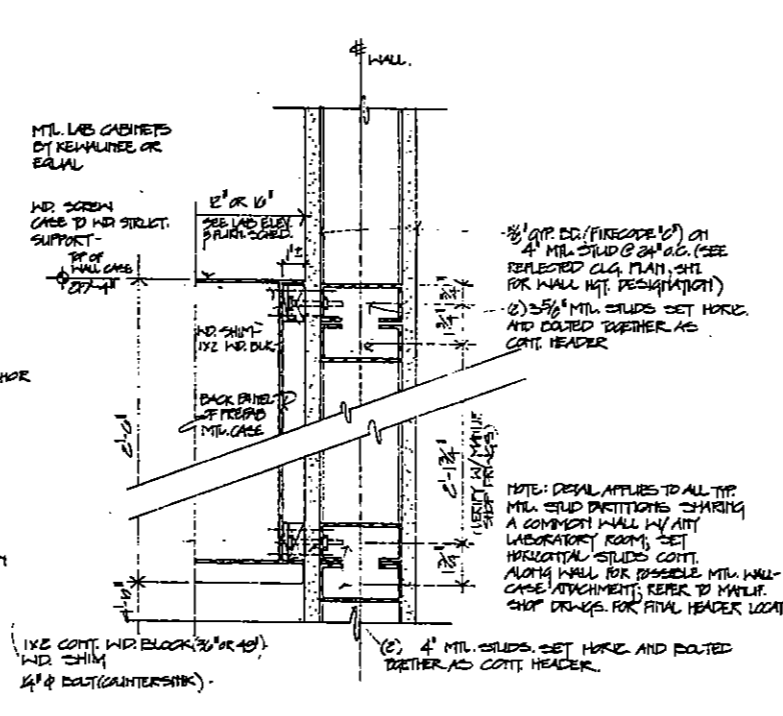
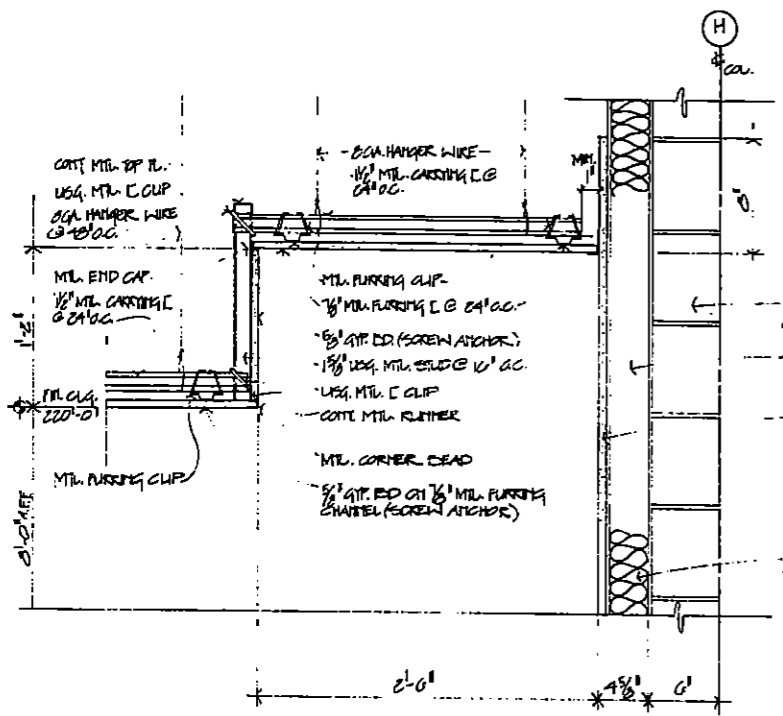
6 FINISHED CLG. @ WALK-IN REFRY.  
A-40 SCALE: 1/8" = 1'-0"



REVISION	STATUS	DATE	DESCRIPTION	BY

NATIONAL WILDLIFE HEALTH LAB  
MADISON, WISCONSIN  
DATE 1/79 DESIGNED CRJ DRAWN CRJ CHECKED CRJ DRAWING NO. DEC-WI 927-40.0

CEILING DETAILS (2)



REVISION	STATUS	DATE	DESCRIPTION	BY

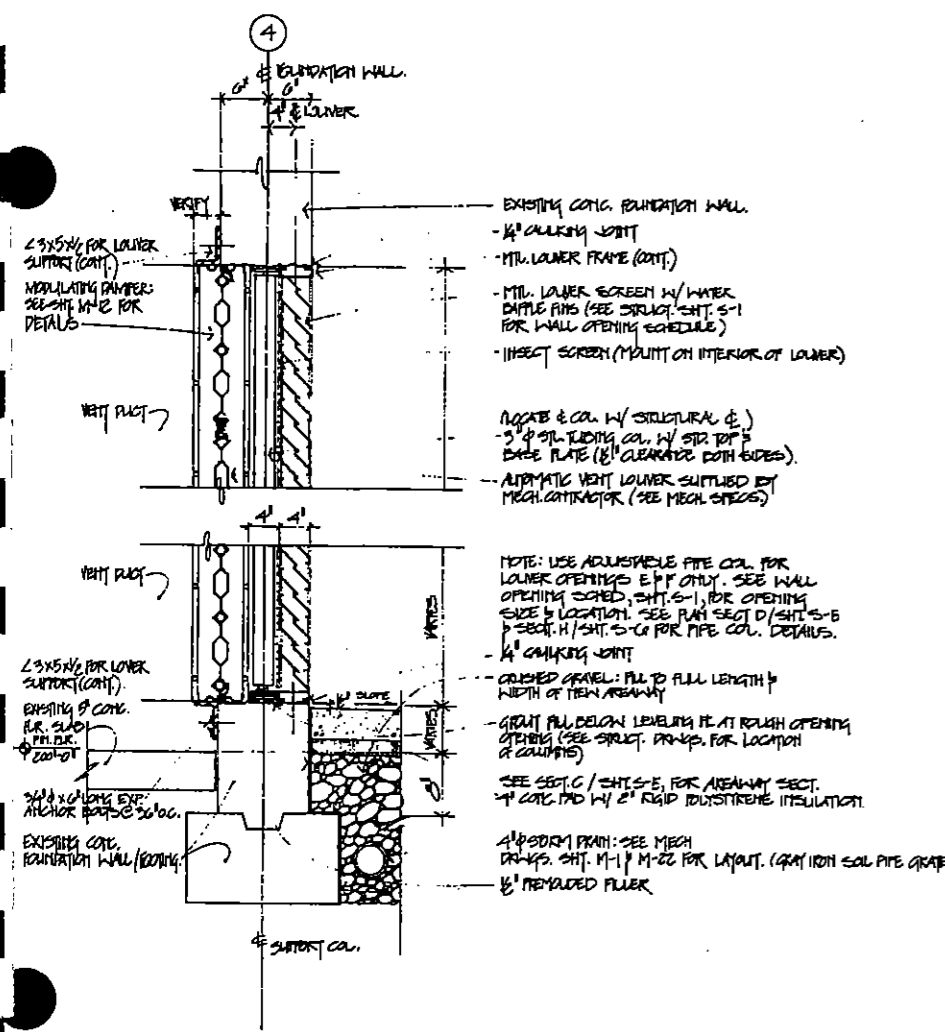
**NATIONAL WILDLIFE HEALTH LAB**

**MADISON, WISCONSIN**

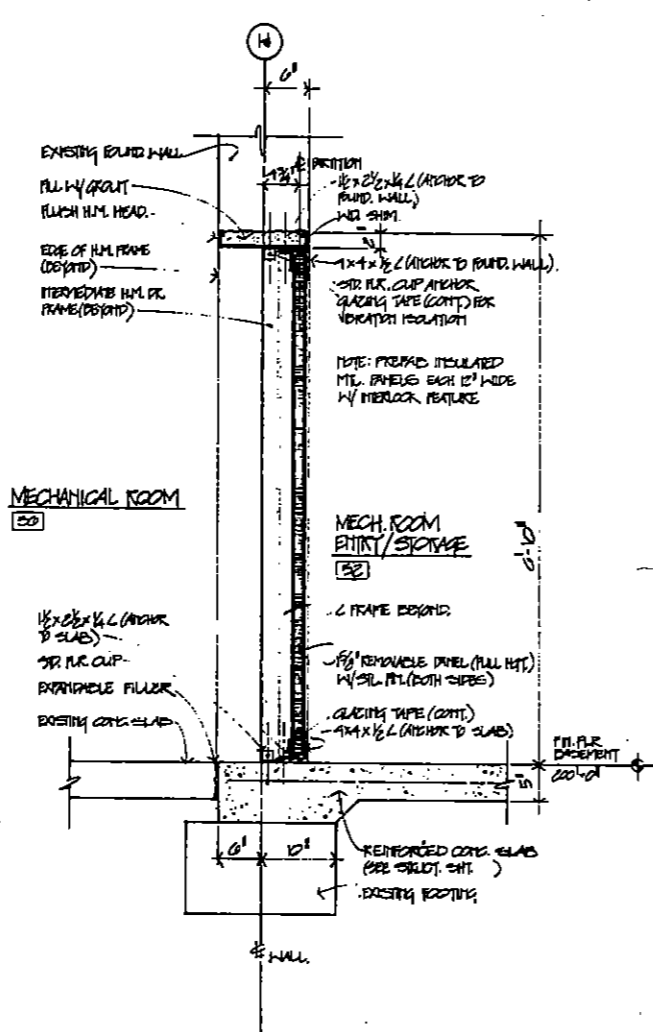
**PARTITION DETAILS**

DATE 1/79 DESIGNED CRJ DRAWN CRJ CHECKED DRAWING NO. DEC-WI-927-41.0

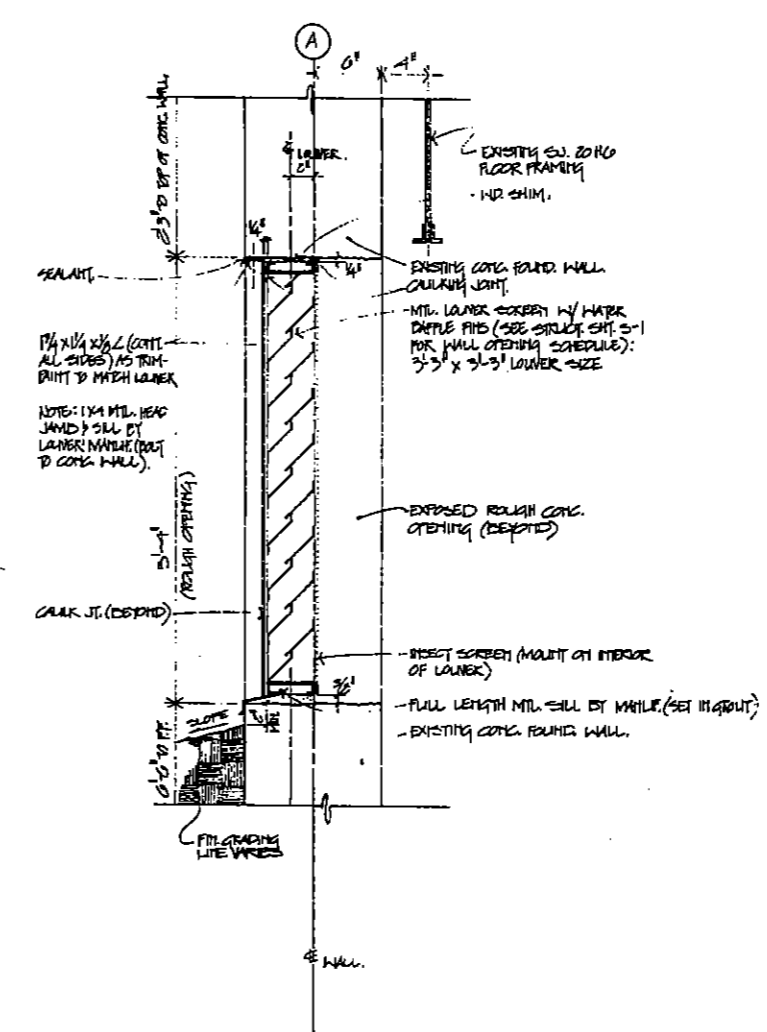




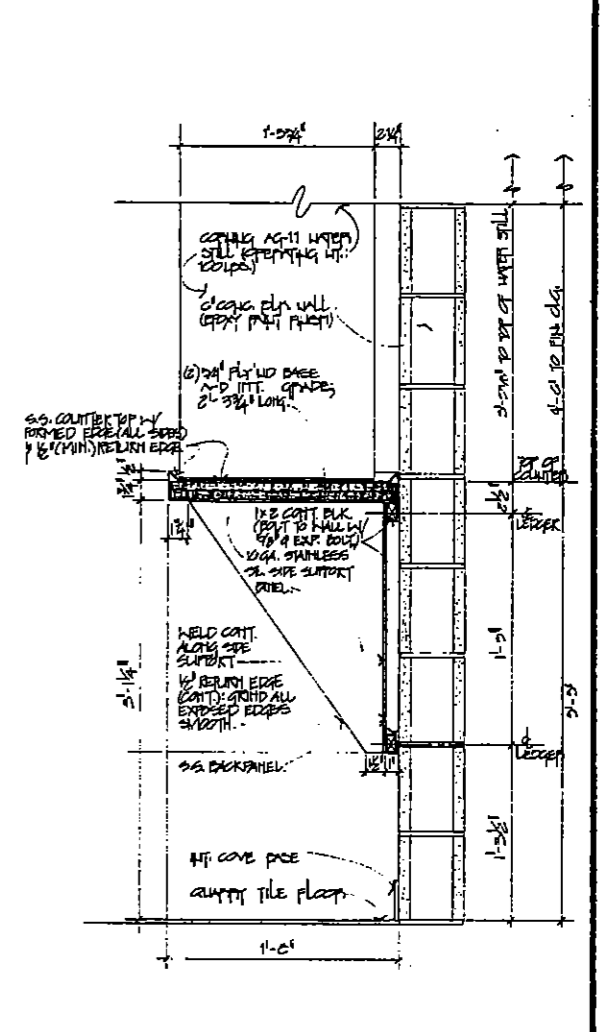
1 DETAIL @ EXT. VENT LOUVER  
A-42 SCALE: 1/2" = 1'-0"



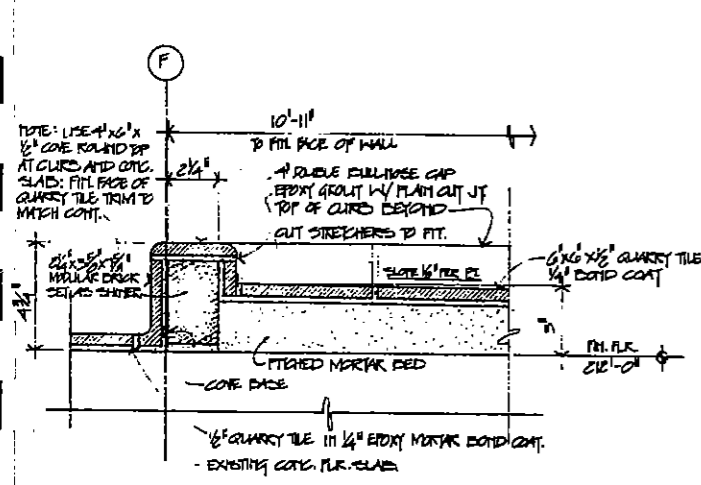
2 SECTION THRU REMOVABLE PARTITION  
A-42 SCALE: 1/2" = 1'-0"



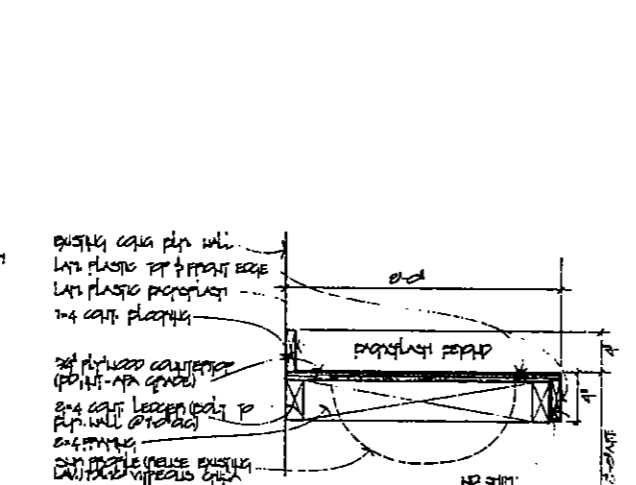
3 DETAIL @ EXT. VENT LOUVER  
A-42 SCALE: 1/8" = 1'-0"



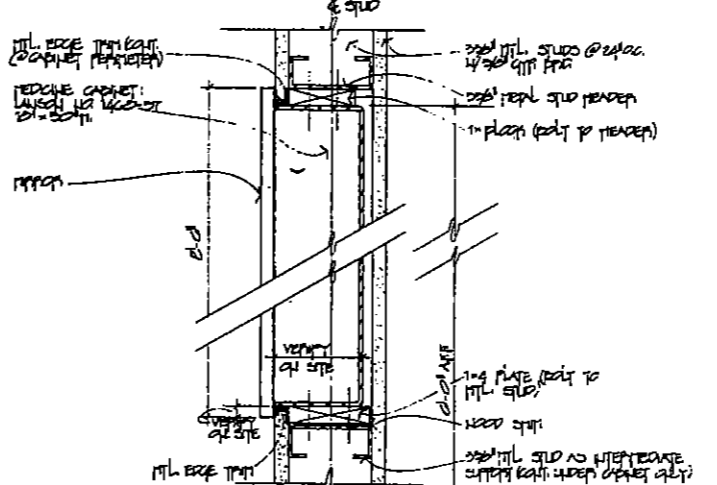
7 SHELF DETAIL @ WATER STILL  
A-42 SCALE: 1/16" = 1'-0"



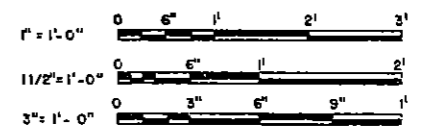
4 DRAIN TROUGH DETAIL (RM. 156)  
A-42 SCALE: 3/8" = 1'-0"



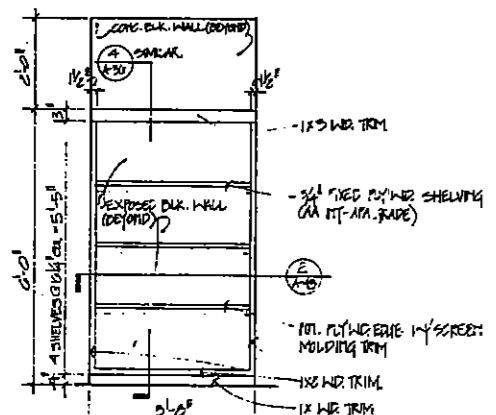
5 SECTION @ LABORATORY UTILITY #135  
A-42 SCALE: 1/8" = 1'-0"



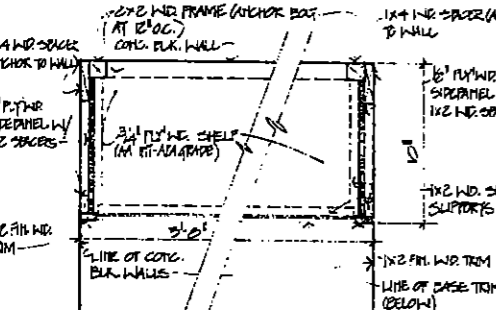
6 SECTION @ RELOCATED MEDICAL CABINET  
A-42 SCALE: 3/8" = 1'-0"



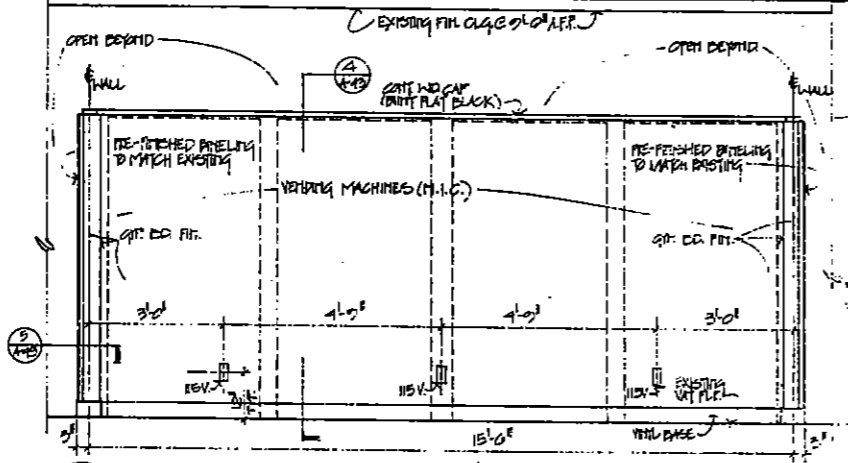
REVISION	STATUS	DATE	DESCRIPTION	BY
<b>NATIONAL WILDLIFE HEALTH LAB.</b> <b>MADISON, WISCONSIN</b>				
<b>WALL SECTIONS AND MISC. DETAILS</b>				
DATE 1/78	DESIGNED CRJ	DRAWN CRJ	CHECKED	DRAWING NO. DEC-WI-927-42.0



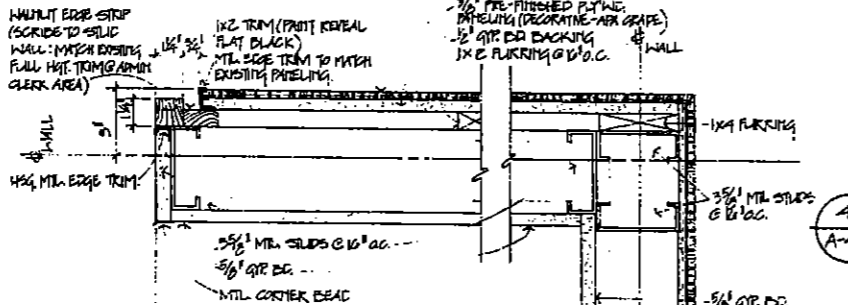
1 SHELVING ELEV. @ RM. 55  
A-43 SCALE: 1/2" = 1'-0"



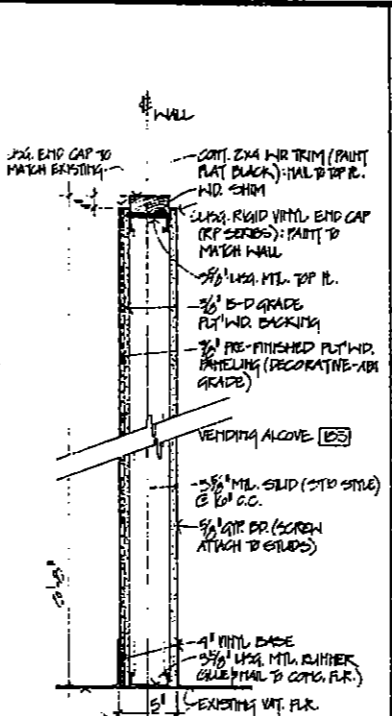
2 HORIZ. SECT. @ SHELVES  
A-43 SCALE: 1/2" = 1'-0"



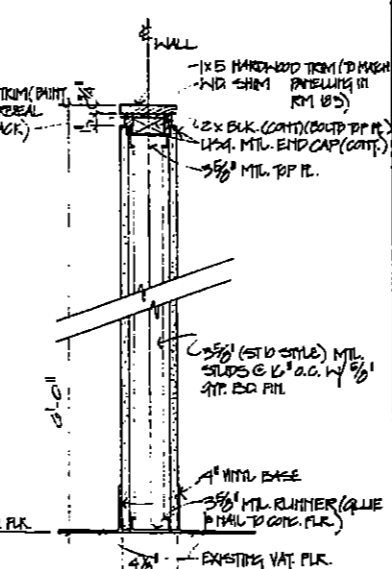
3 ELEV. @ VENDING ALCOVE (#83)  
A-43 SCALE: 1/2" = 1'-0"



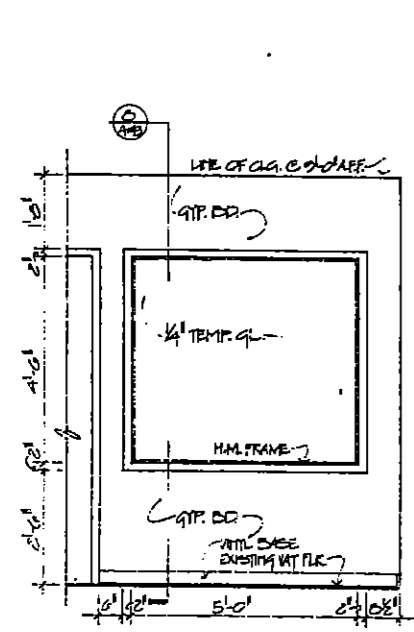
5 HORIZ. SECT. @ VENDING PARTITION  
A-43 SCALE: 1/2" = 1'-0"



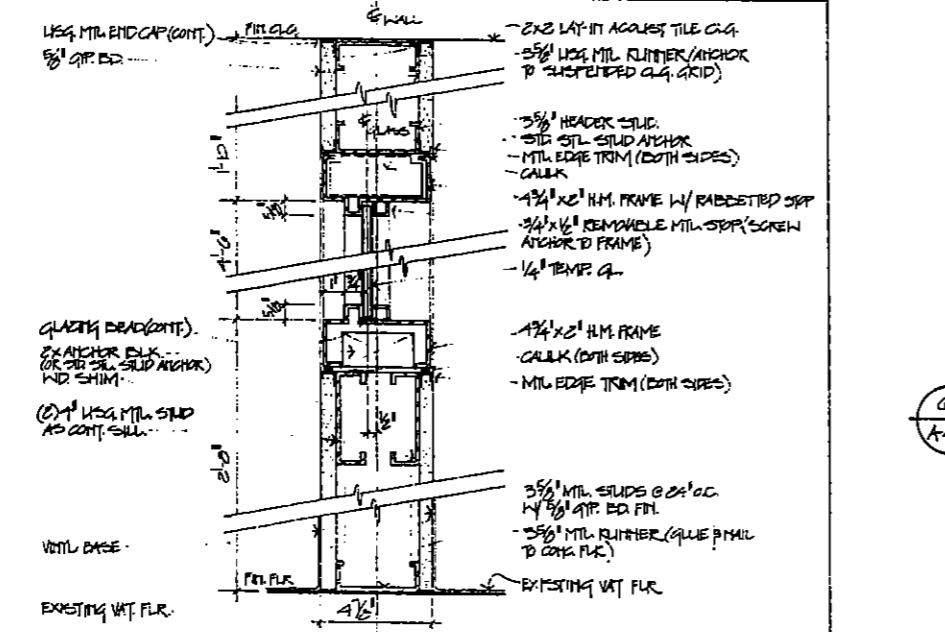
4 PARTITION SECTION  
A-43 SCALE: 1/2" = 1'-0"



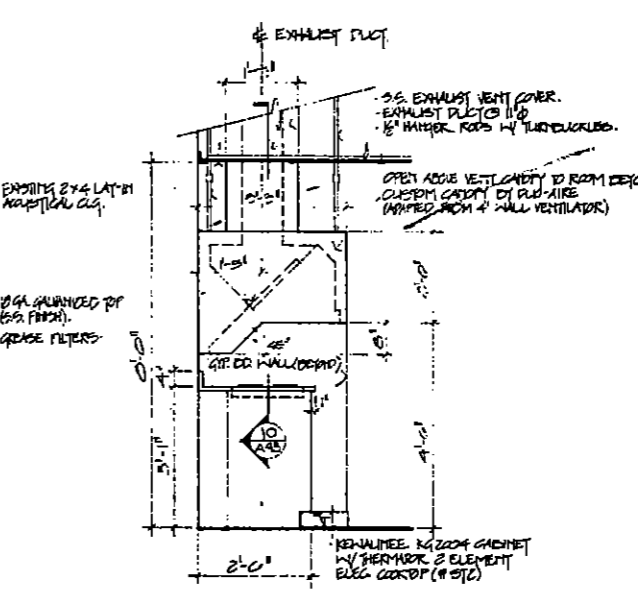
6 PARTITION SECTION  
A-43 SCALE: 1/2" = 1'-0"



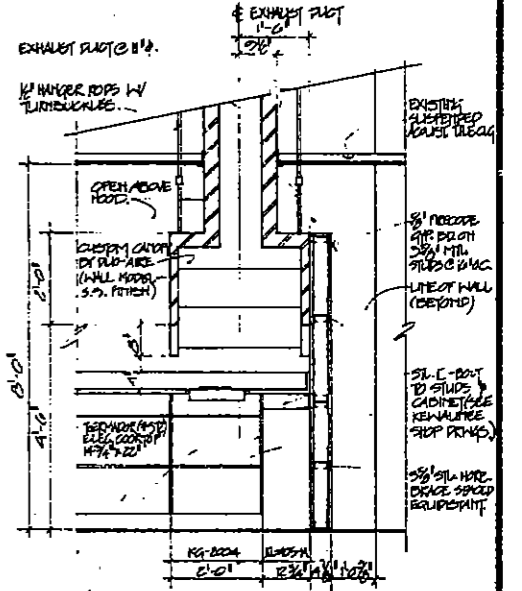
7 ELEV. @ LIB OFF. (RM. 115)  
A-43 SCALE: 1/2" = 1'-0"



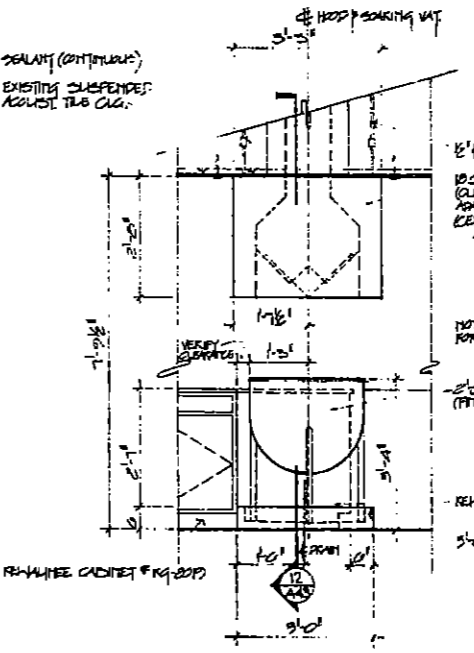
8 PARTITION SECTION  
A-43 SCALE: 1/2" = 1'-0"



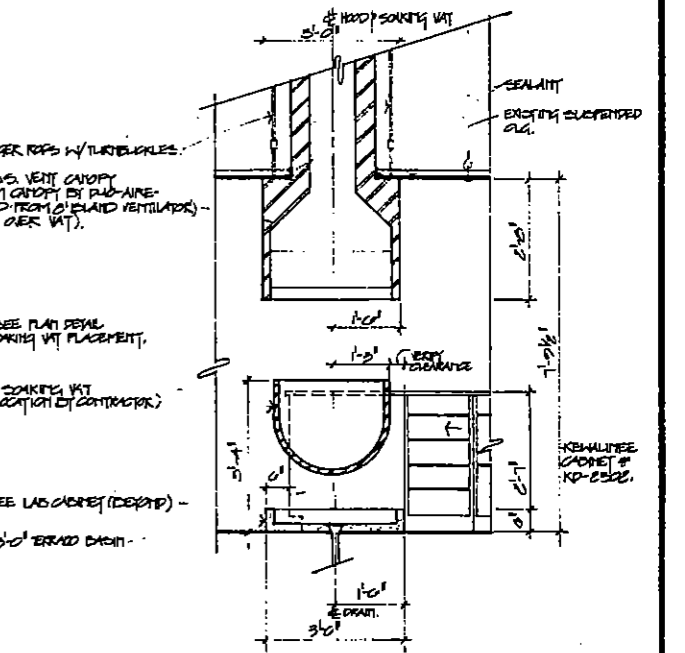
9 SECTION @ VENT HOOD (#42)  
A-43 SCALE: 1/2" = 1'-0"



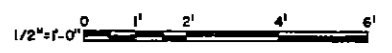
10 SECTION @ VENT HOOD (#42)  
A-43 SCALE: 1/2" = 1'-0"



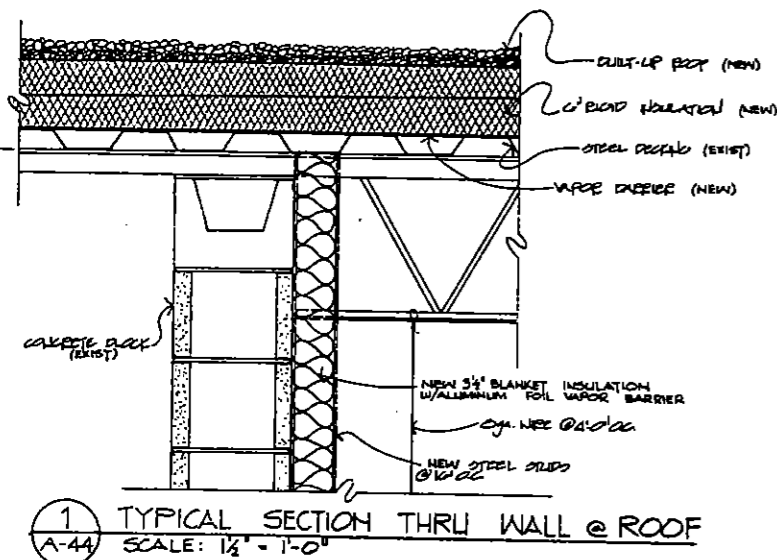
11 ELEV. @ SOAKING VAT (#34)  
A-43 SCALE: 1/2" = 1'-0"



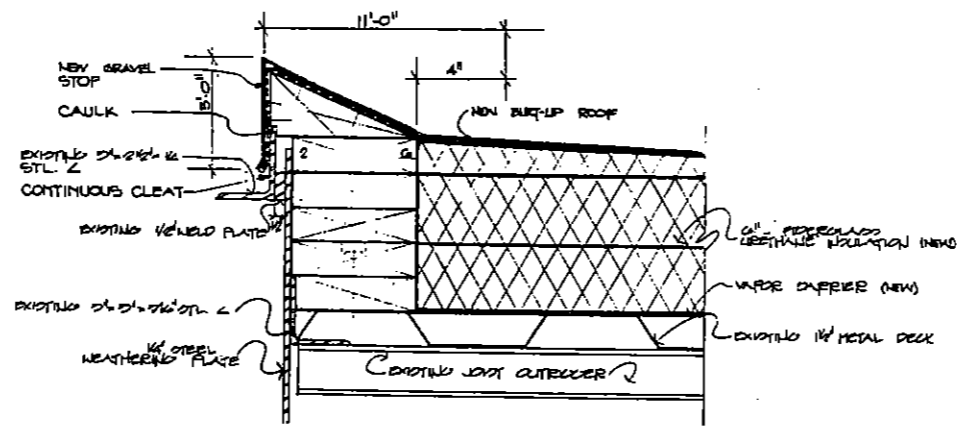
12 SECTION @ SOAKING VAT (#34)  
A-43 SCALE: 1/2" = 1'-0"



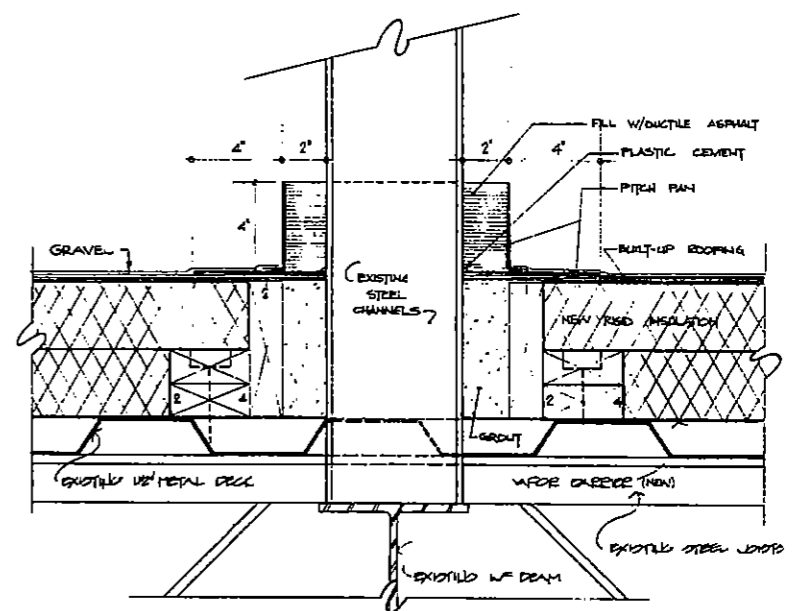
REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB				
MISC. DETAILS				
MADISON, WISCONSIN				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
1/78	CRJ	CRJ		DEC-WI 927-43.0



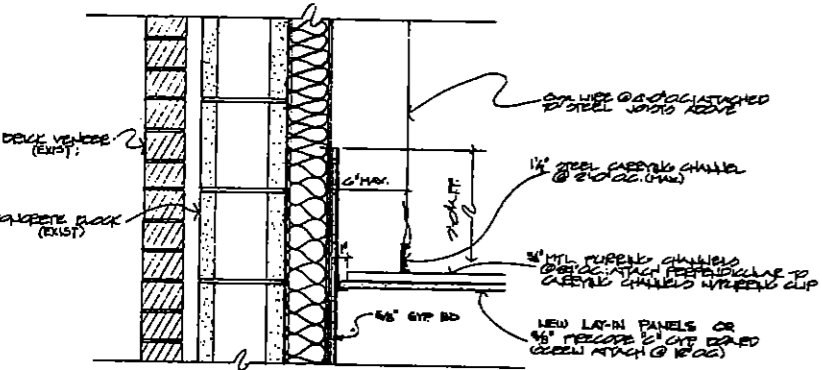
1 TYPICAL SECTION THRU WALL @ ROOF  
A-44 SCALE: 1/4" = 1'-0"



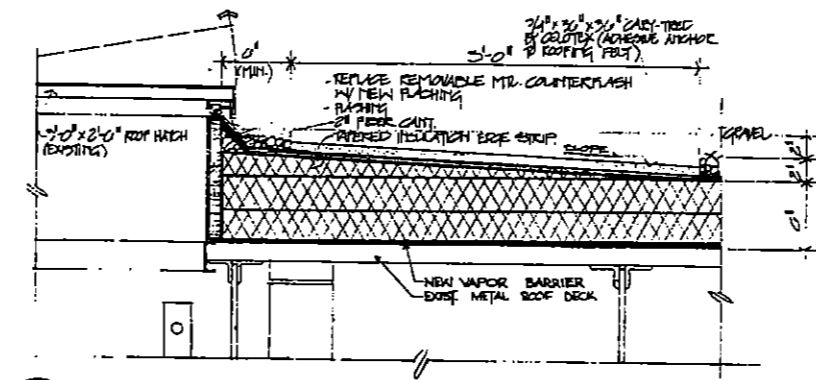
4 TYP. GRAVEL STOP @ ROOF EDGE  
A-44 SCALE: 3/8" = 1'-0"



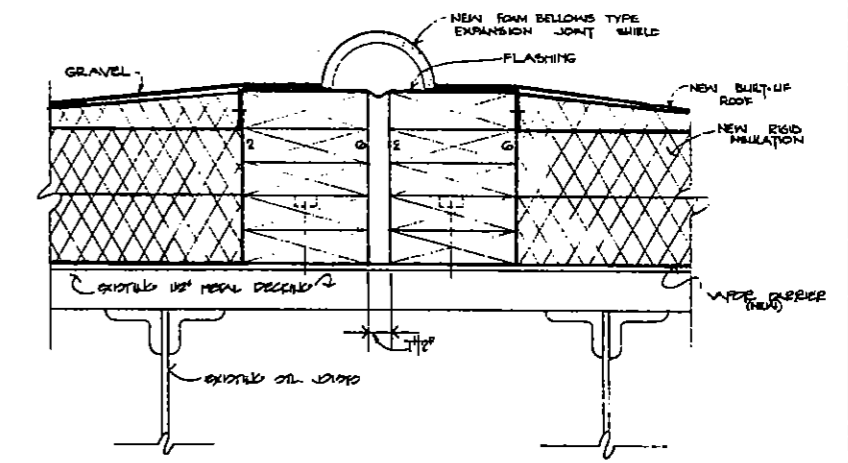
7 TYP. SECTION @ SCREEN SUPPORT  
A-44 SCALE: 5/8" = 1'-0"



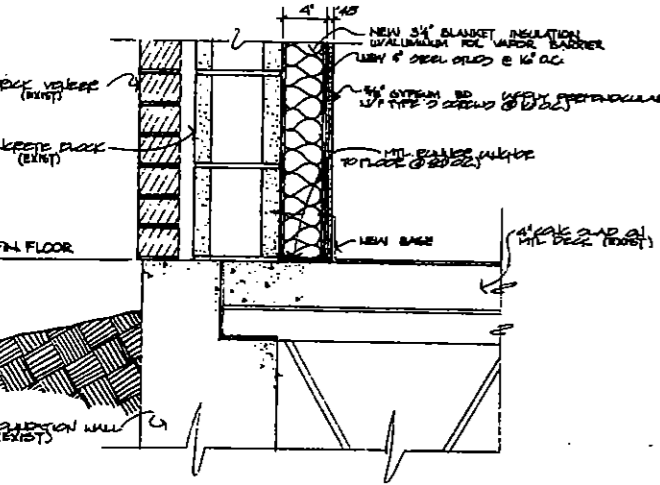
2 TYP. SECTION THRU EXT WALL @ CEILING  
A-44 SCALE: 1/4" = 1'-0"



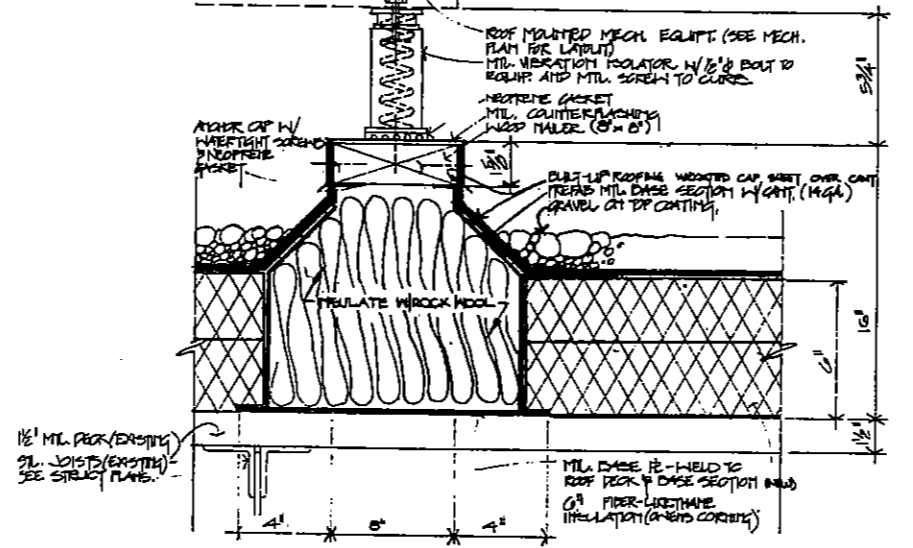
5 CURB DETAIL @ ROOF HATCH  
A-44 SCALE: 1/4" = 1'-0"



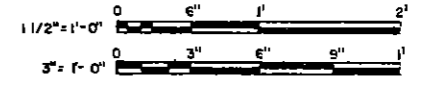
8 TYPICAL SECTION @ EXPANSION JOINT  
A-44 SCALE: 5/8" = 1'-0"



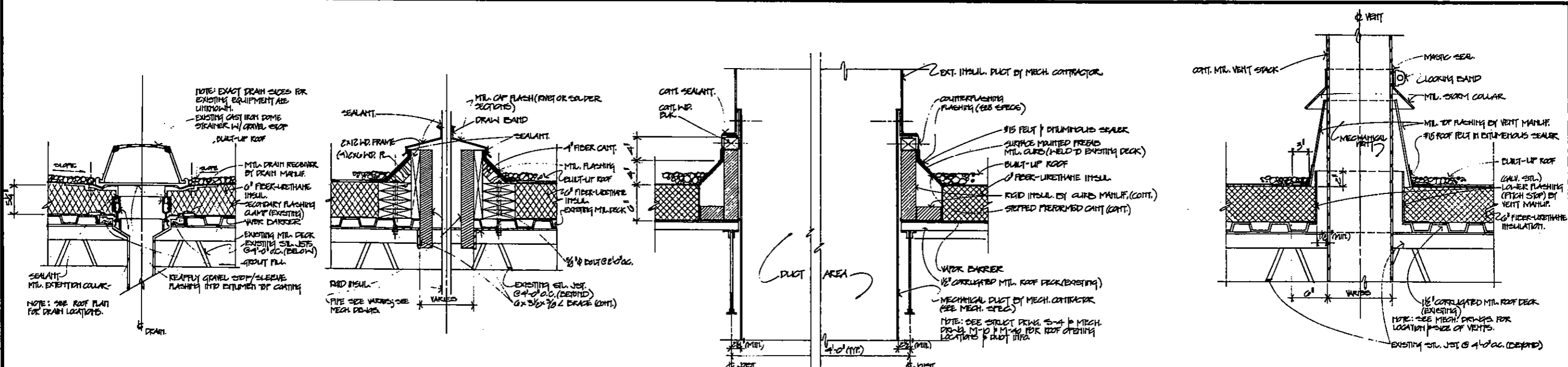
3 TYP. SECTION THRU WALL @ FLOOR  
A-44 SCALE: 1/4" = 1'-0"



6 TYP. PEDESTAL @ MECH. EQUIP.  
A-44 SCALE: 3/8" = 1'-0"



REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB				
<b>ROOF &amp; WALL DETAILS</b>				
MADISON, WISCONSIN				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
1/79	CRJ/HWF	DLB/HWE		DEC-WI 927- 44.0

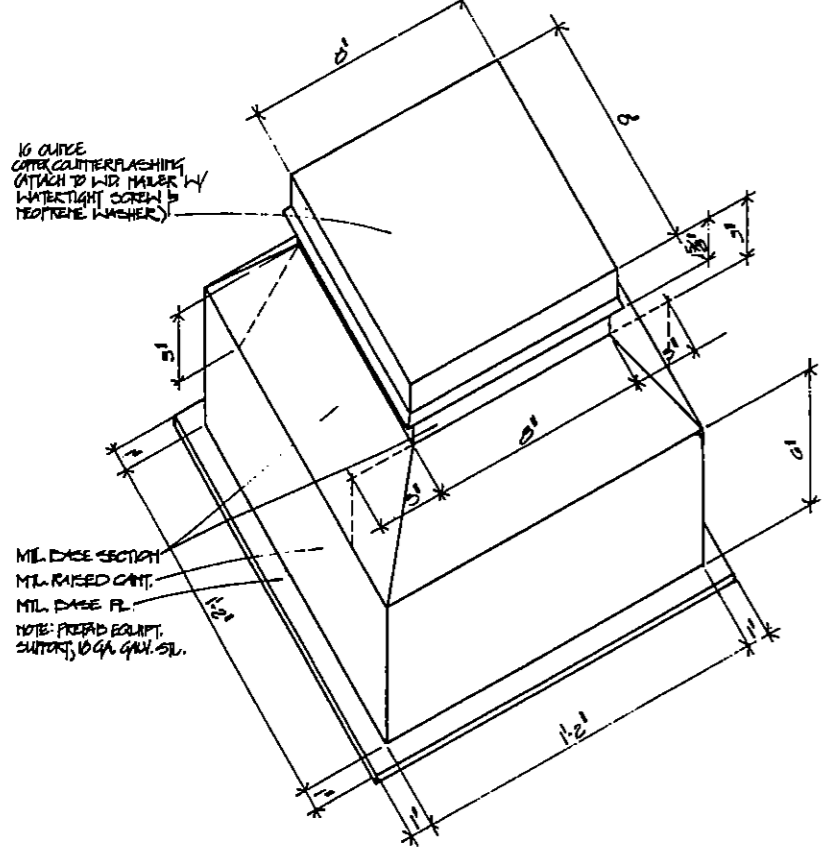


1 ROOF DRAIN DETAIL  
A45 SCALE: 1/2" = 1'-0"

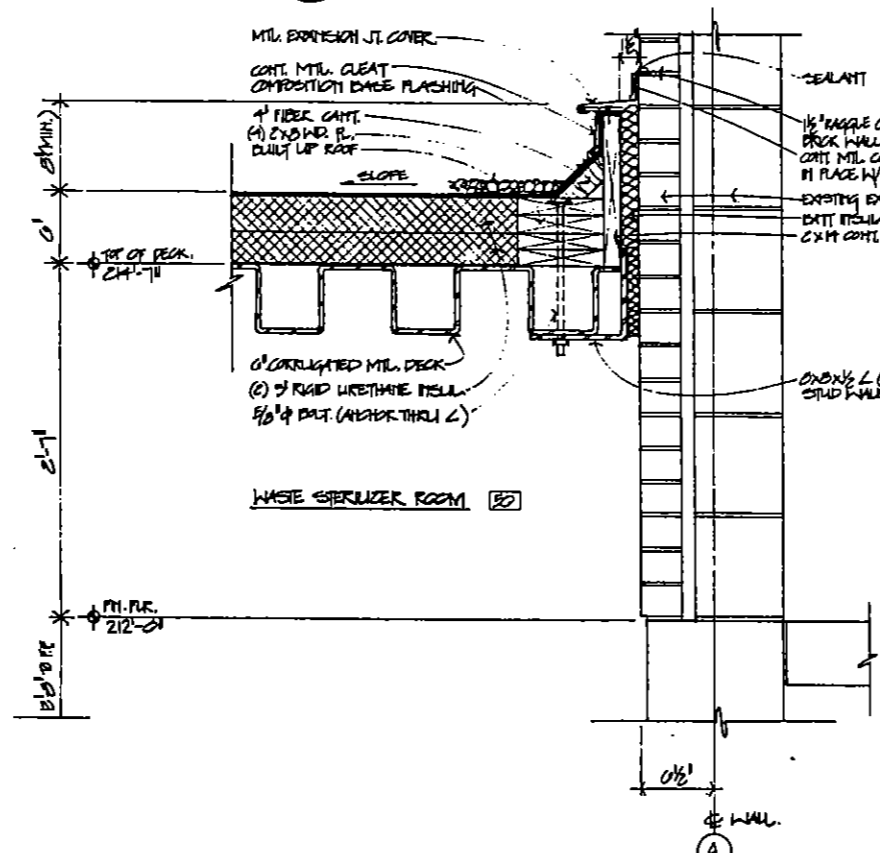
2 CURB DET. - PIPING THRU ROOF  
A45 SCALE: 1/2" = 1'-0"

3 CURB DETAIL - DUCT THRU ROOF  
A45 SCALE: 1/2" = 1'-0"

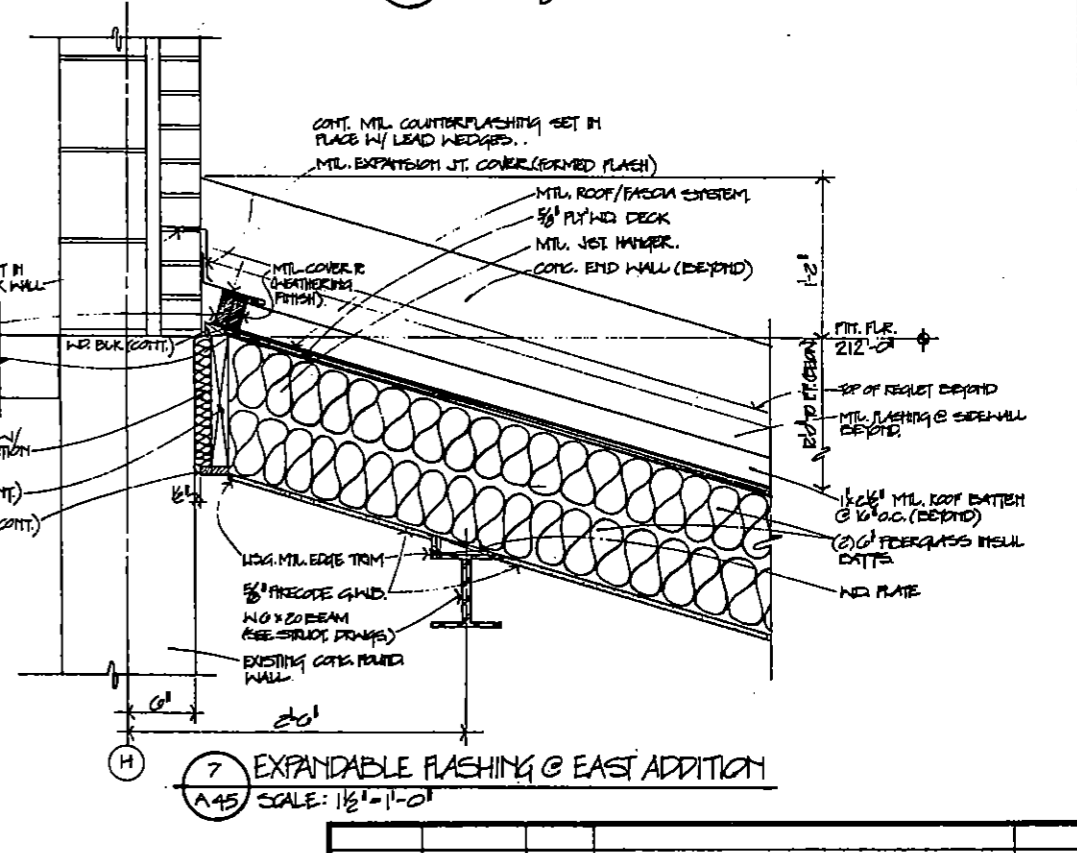
4 CURB DETAIL - VENT THRU ROOF  
A45 SCALE: 1/2" = 1'-0"



5 ISOMETRIC @ TYP. EQUIPMENT CURB  
A45 N.T.S.



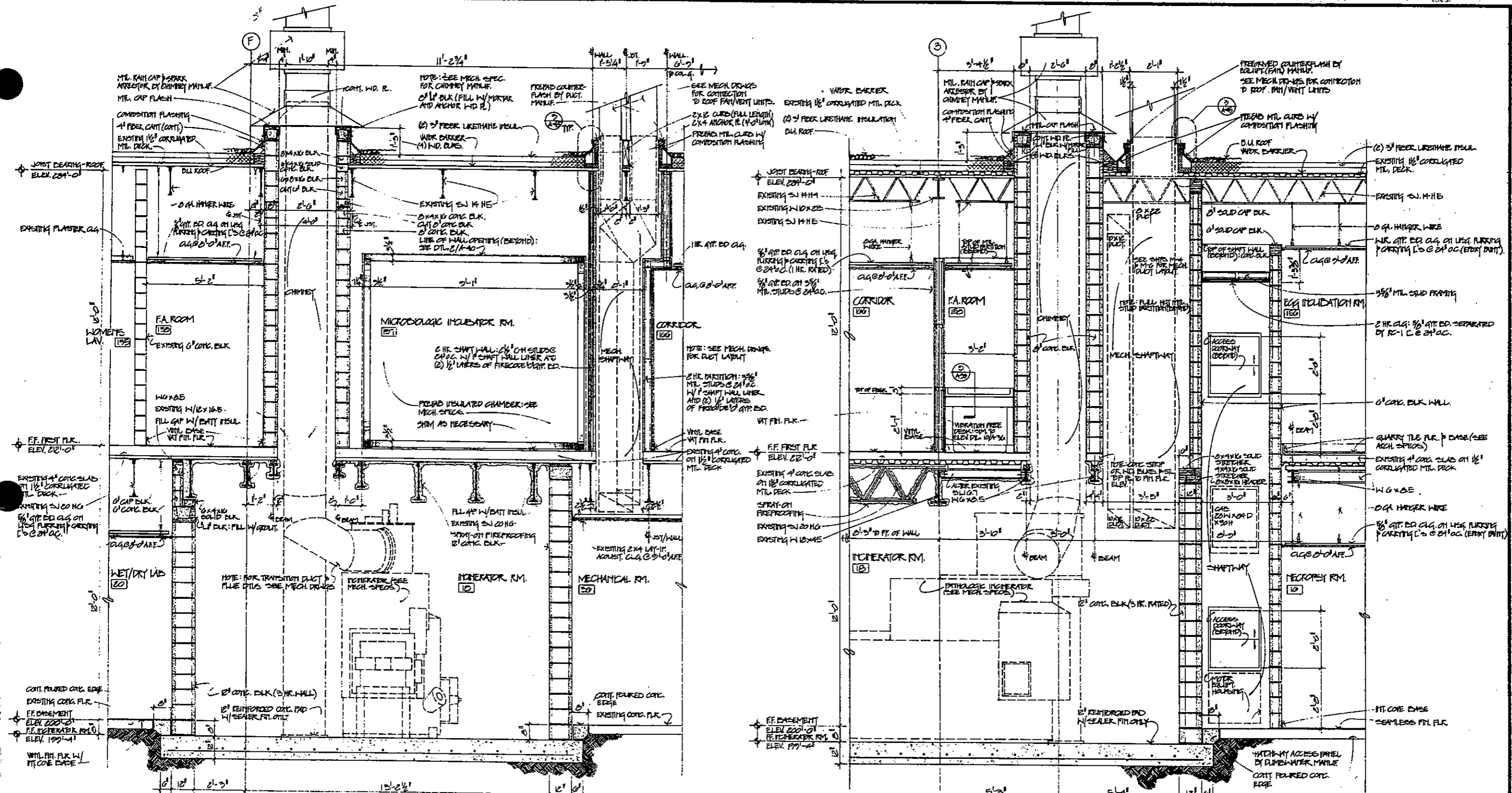
6 EXPANDABLE FLASHING @ WEST ADDITION  
A45 SCALE: 1/2" = 1'-0"



7 EXPANDABLE FLASHING @ EAST ADDITION  
A45 SCALE: 1/2" = 1'-0"

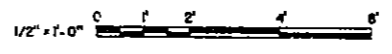


REVISION	STATUS	DATE	DESCRIPTION	BY
U.S. FISH AND WILDLIFE HEALTH LAB MADISON, WISCONSIN				
ROOF DETAILS AND WALL SECTIONS				
DATE 1/78	DESIGNED CRJ	DRAWN CRJ	CHECKED	DRAWING NO. DEC-WI 927-45.0

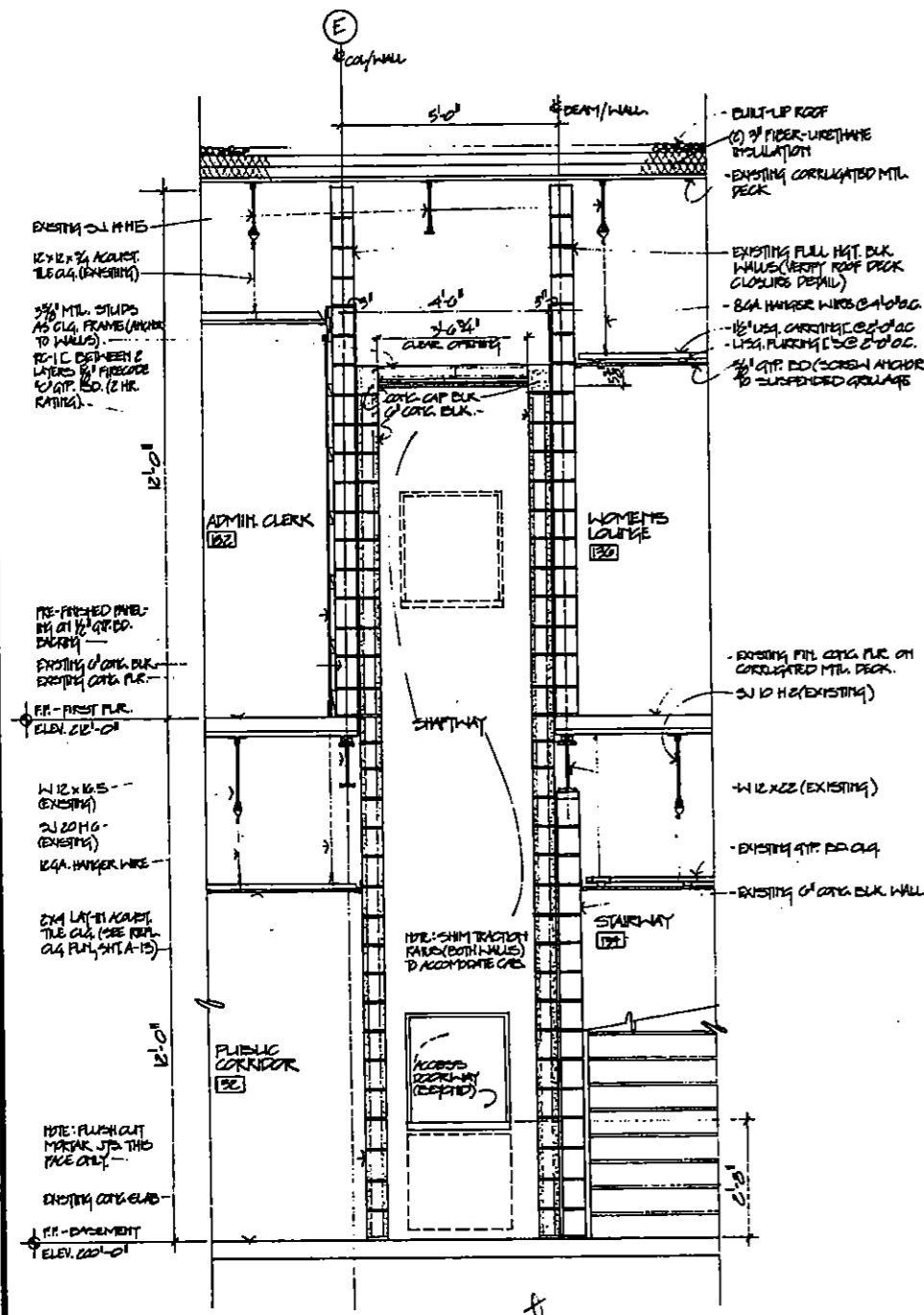


1 WALL SECTION @ INCINERATOR CHIMNEY/MECH. SHAFT  
 SCALE: 1/2" = 1'-0"

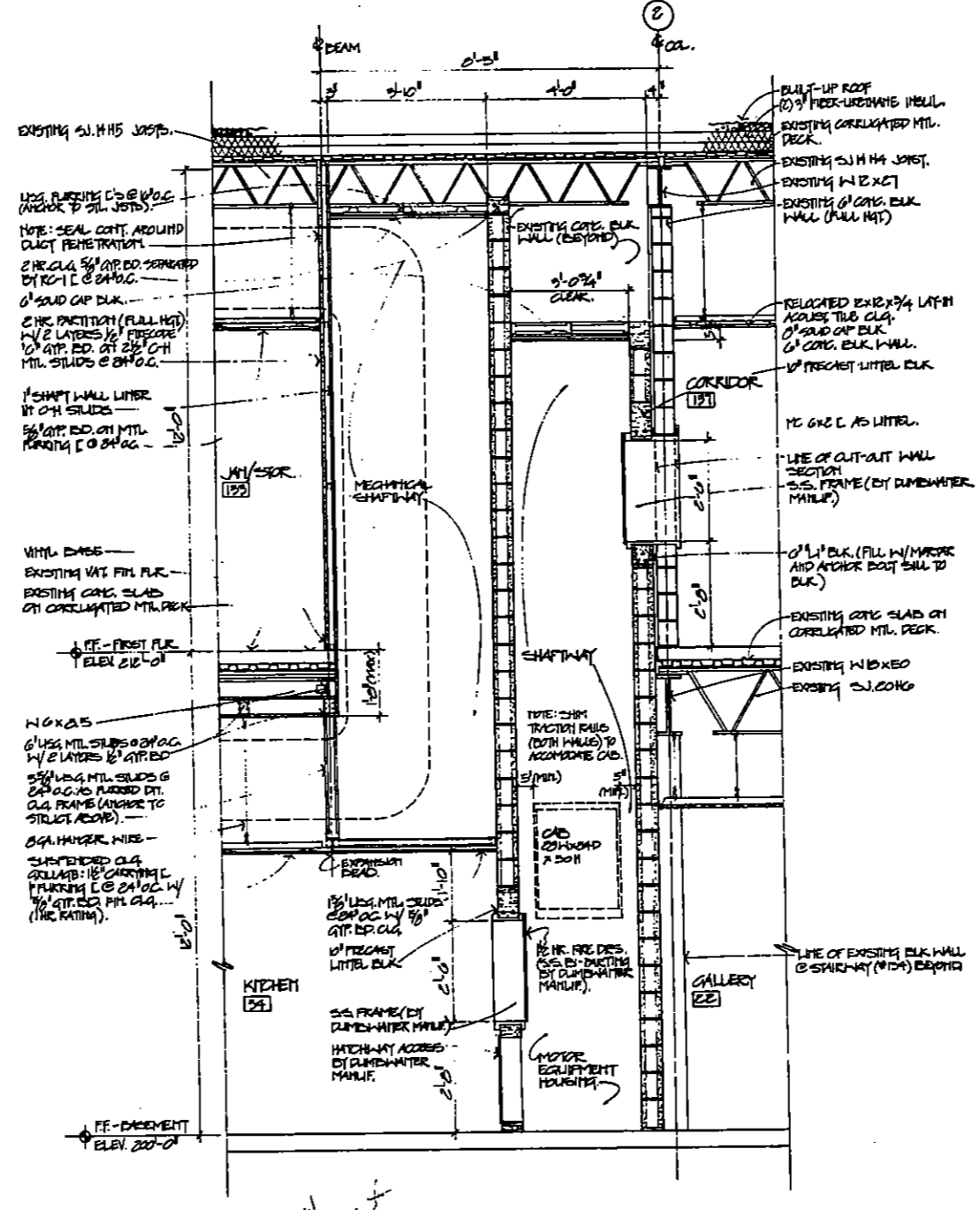
2 WALL SECTION @ INCINERATOR/DUMPEWATER  
 SCALE: 1/2" = 1'-0"



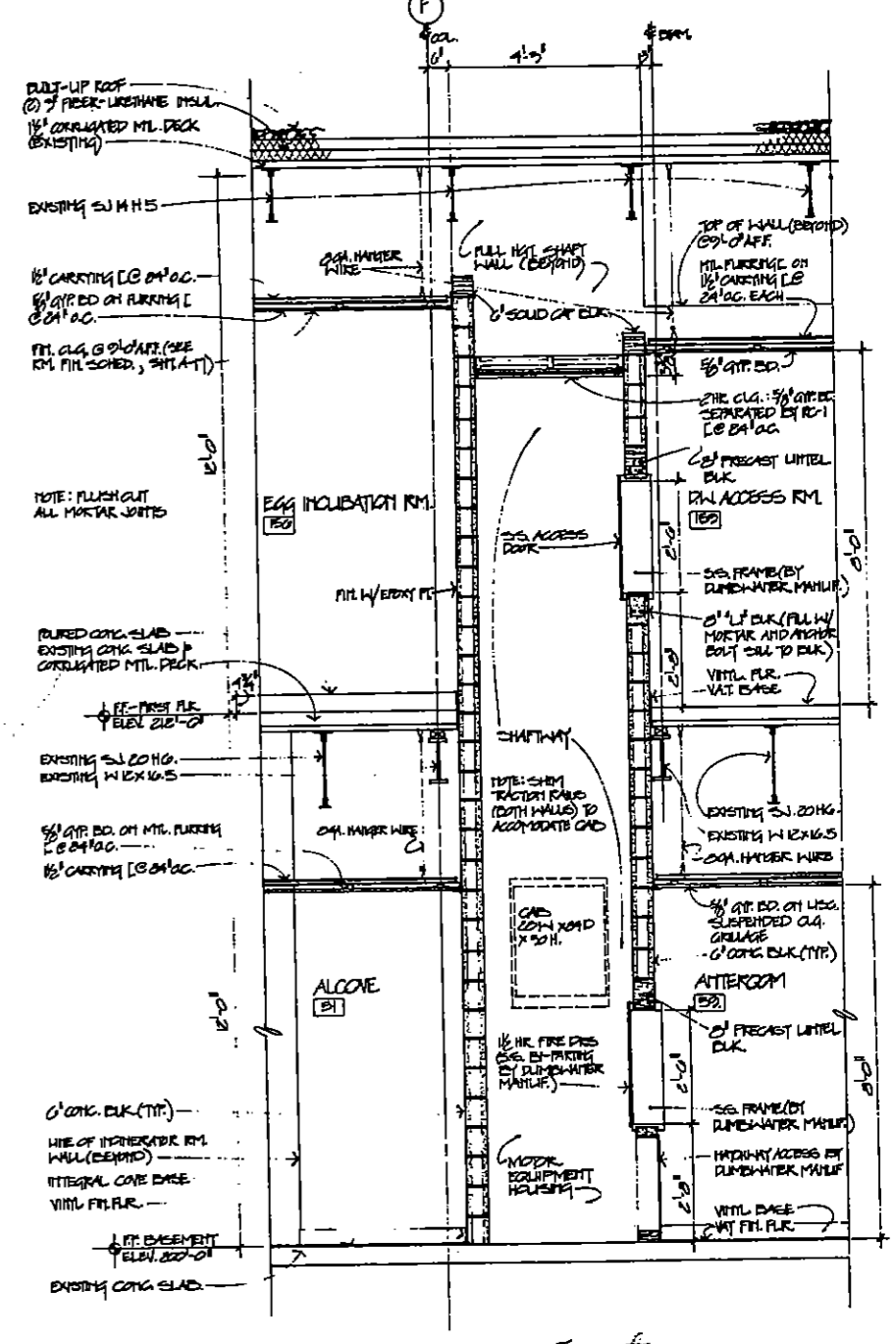
REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB				
<b>WALL SECTIONS</b>				
MADISON, WISCONSIN				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
1/79	C.R.L.	C.R.J.		DEC - WI - 927 - 46.0



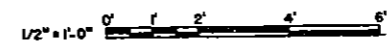
1 WALL SECTION @ DUMBWATER SHAFT  
A-47 SCALE: 1/2" = 1'-0"



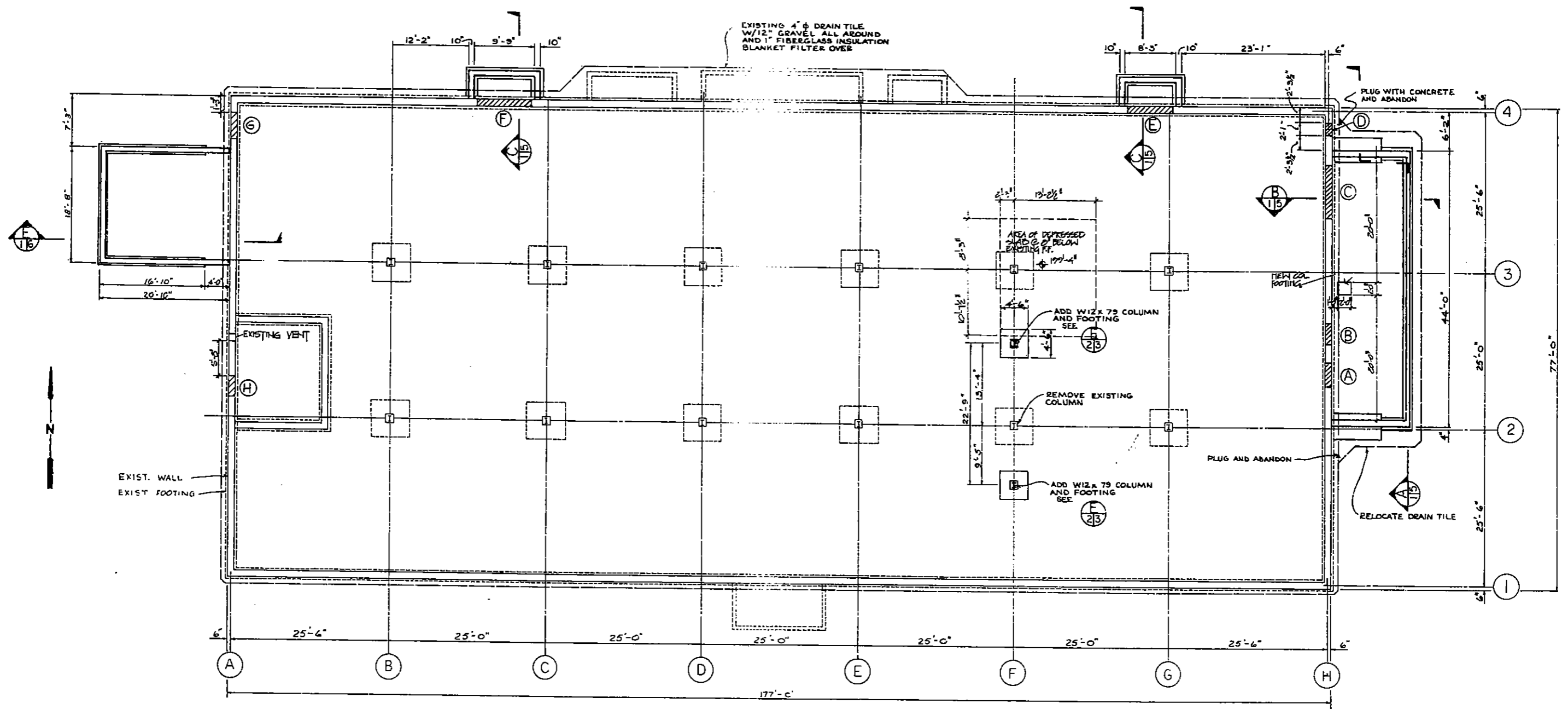
2 WALL SECTION @ DUMBWATER SHAFT  
A-47 SCALE: 1/2" = 1'-0"



3 WALL SECTION @ DUMBWATER SHAFT  
A-47 SCALE: 1/2" = 1'-0"



REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB				
WALL SECTIONS				
MADISON, WISCONSIN				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
1/79	C.R.J.	C.R.J.		DEC-WI-927-470

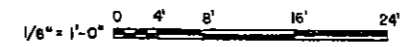


**FOUNDATION PLAN - NEW CONSTRUCTION**  
 1/8" = 1'-0"

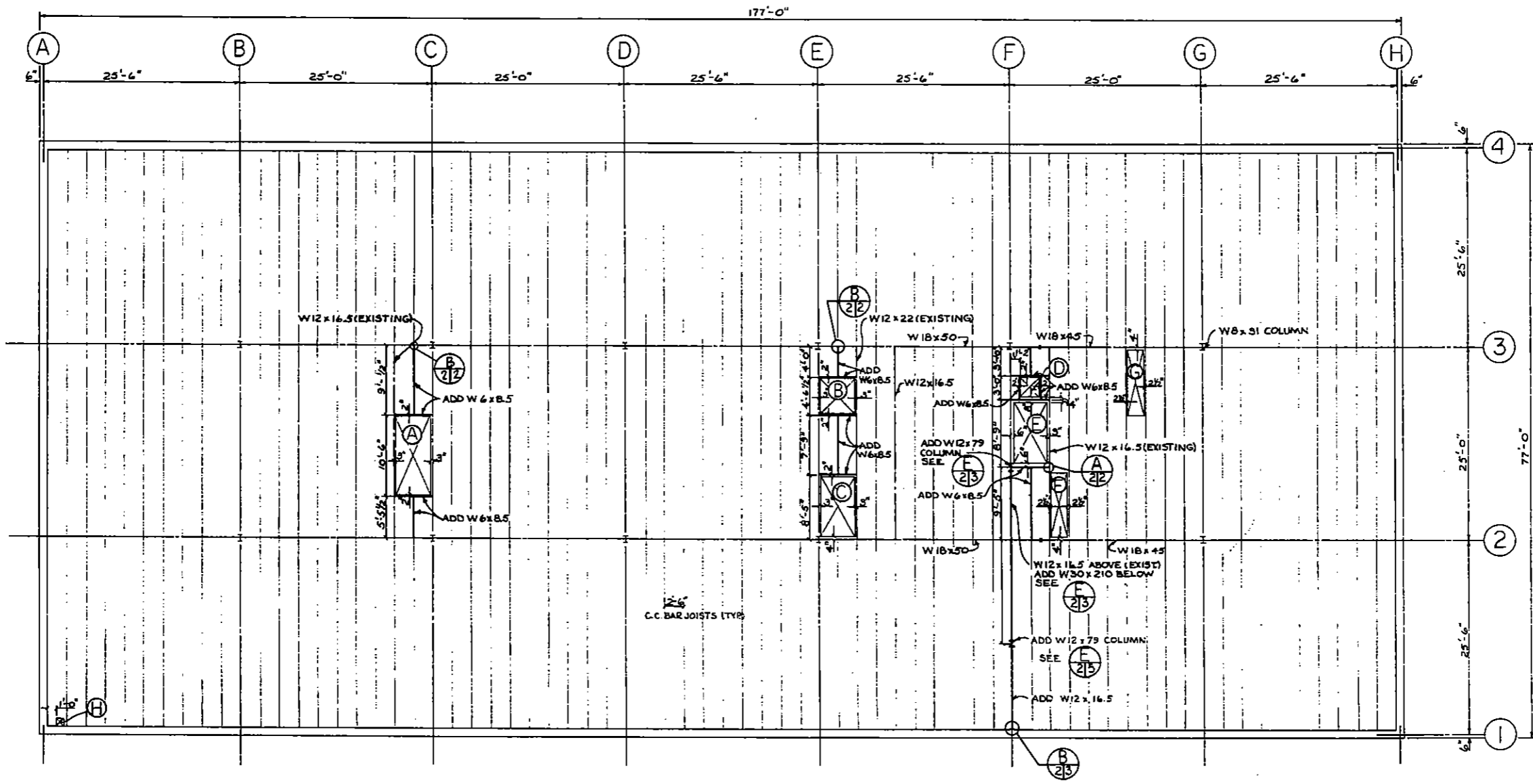
NEW OPENING IN EXISTING WALL

**WALL OPENING SCHEDULE**

MARK	HEIGHT	WIDTH	FIN. FLOOR TO BOT. OF OPENING
(A)	6'-10"	3'-10"	0"
(B)	6'-10"	3'-4"	0"
(C)	6'-10"	8'-6"	0"
(D)	2'-1"	2'-1"	5'-11"
(E)	5'-9"	7'-3"	6"
(F)	7'-0"	8'-9"	6"
(G)	2'-1"	2'-1"	5'-11"
(H)	3'-4"	3'-4"	6'-6"

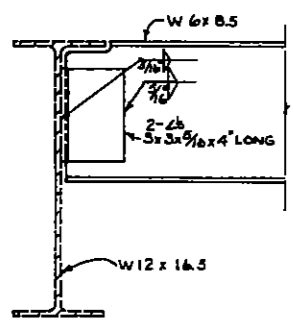


REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LABORATORY MADISON, WIS. <b>FOUNDATION PLAN - NEW CONSTRUCTION</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
1/79	N.K.	J.F.G.		DEC-WI-927-48.0

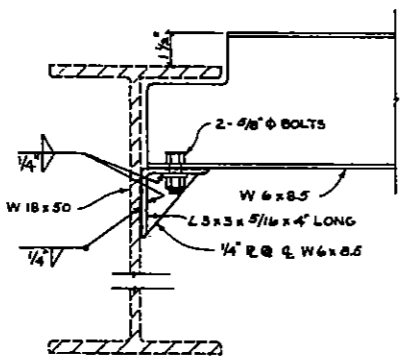


**FIRST FLOOR FRAMING PLAN - NEW CONSTRUCTION**  
1/8" = 1'-0"

NOTE:  
EXISTING OPENINGS NOT SHOWN



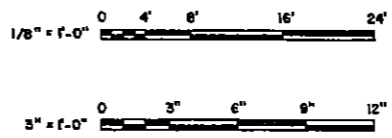
**TYPICAL W6x8.5 / W12x16.5 CONNECTION**  
3" = 1'-0" (A)



**TYPICAL W6x8.5 / W18x50 OR W18x45 CONNECTION**  
3" = 1'-0" (B)

**FIRST FLOOR OPENING SCHEDULE**

MARK	WIDTH (EAST-WEST)	LENGTH (NORTH-SOUTH)
(A)	4'-6"	10'-2"
(B)	4'-6"	4'-6 1/2"
(C)	4'-6"	7'-11"
(D)	2'-6"	2'-6"
(E)	4'-5"	7'-11"
(F)	2'-1"	8'-4 1/2"
(G)	2'-1"	9'-6"
(H)	1'-0"	1'-0"

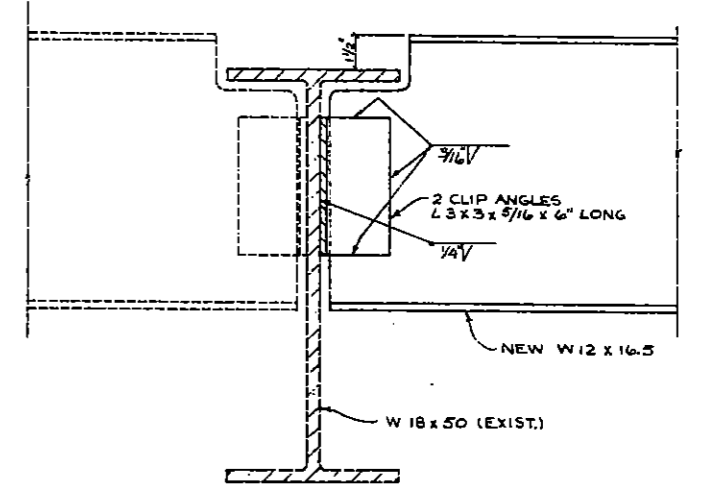
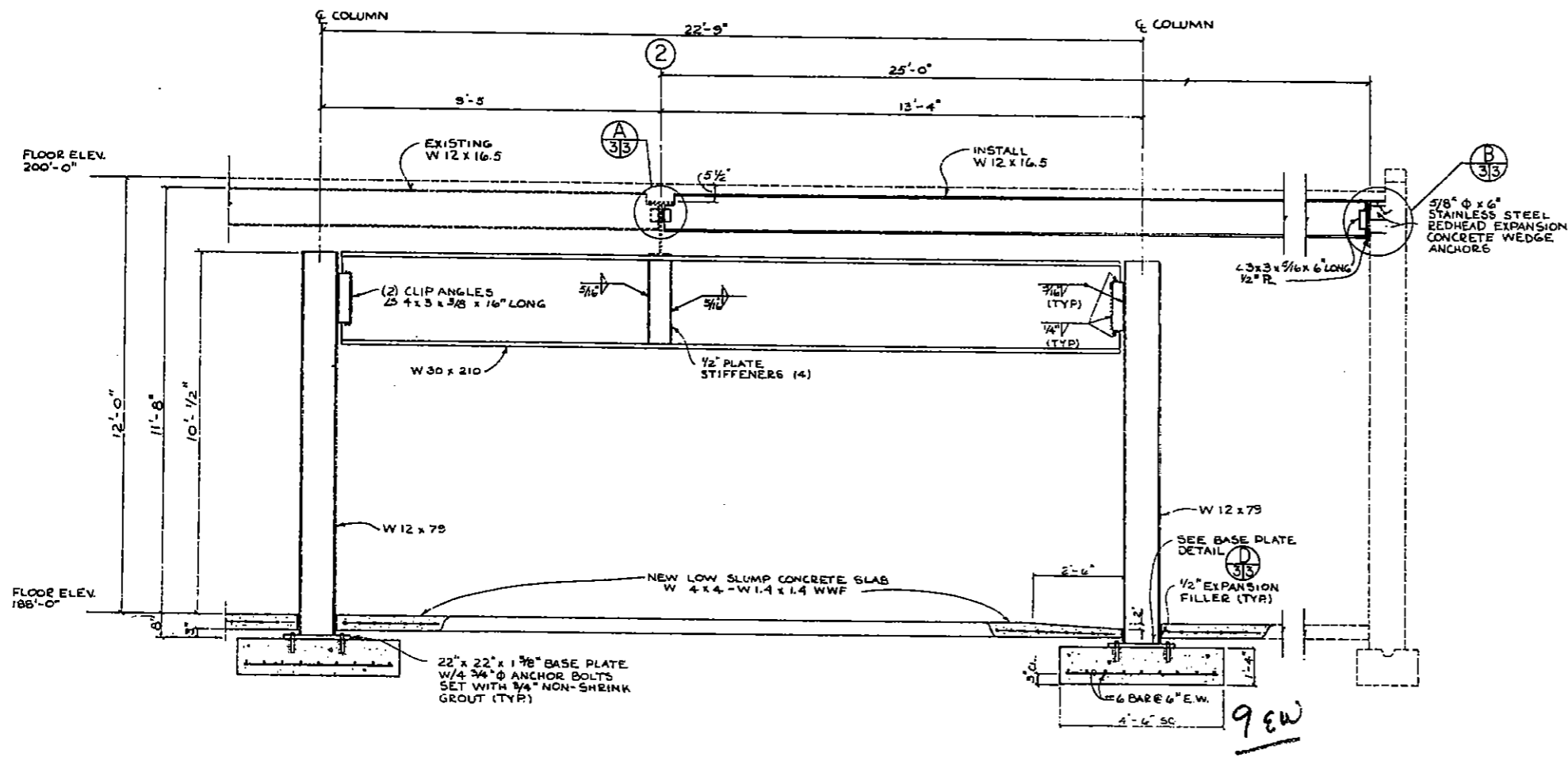


REVISION	STATUS	DATE	DESCRIPTION	BY

NATIONAL WILDLIFE HEALTH LABORATORY  
MADISON, WIS.  
**FIRST FLOOR FRAMING PLAN - NEW CONSTRUCTION**

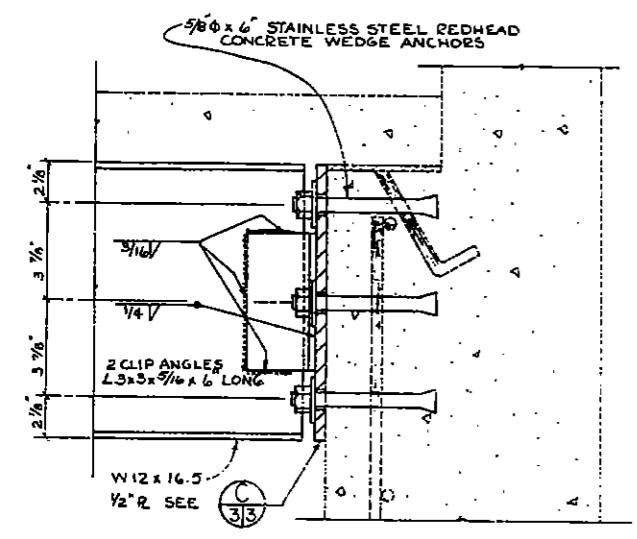
DATE 1/78	DESIGNED N.K.	DRAWN J.E.S.	CHECKED	DRAWING NO. D.E.C.-WI-927-49.0
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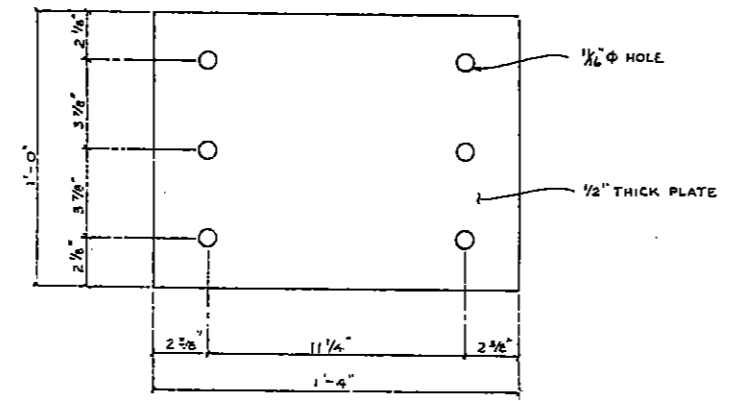


**W 12 x 16.5/W 18 x 50 CONNECTION (TYP)**  
3" = 1'-0" A  
3/3

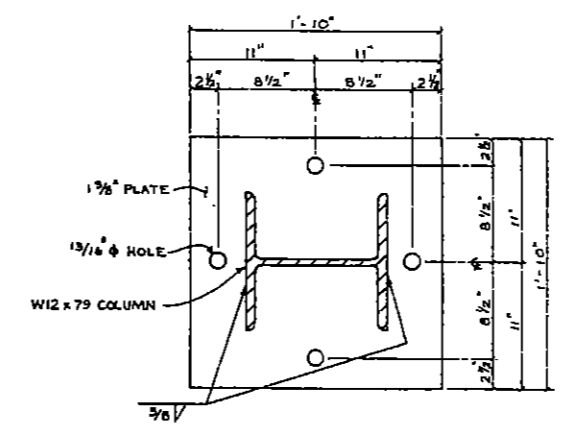
**COLUMNS AND BEAMS ELEVATION - NEW CONSTRUCTION**  
1/2" = 1'-0" F  
2/3



**W 12 x 16.5/WALL CONNECTION**  
3" = 1'-0" B  
2/3



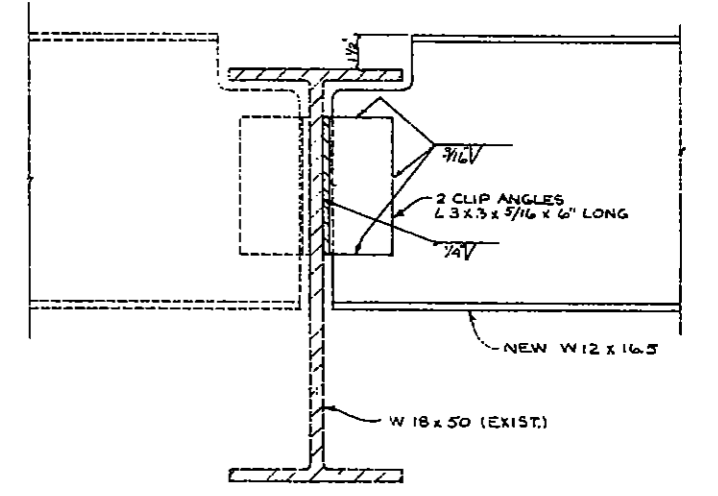
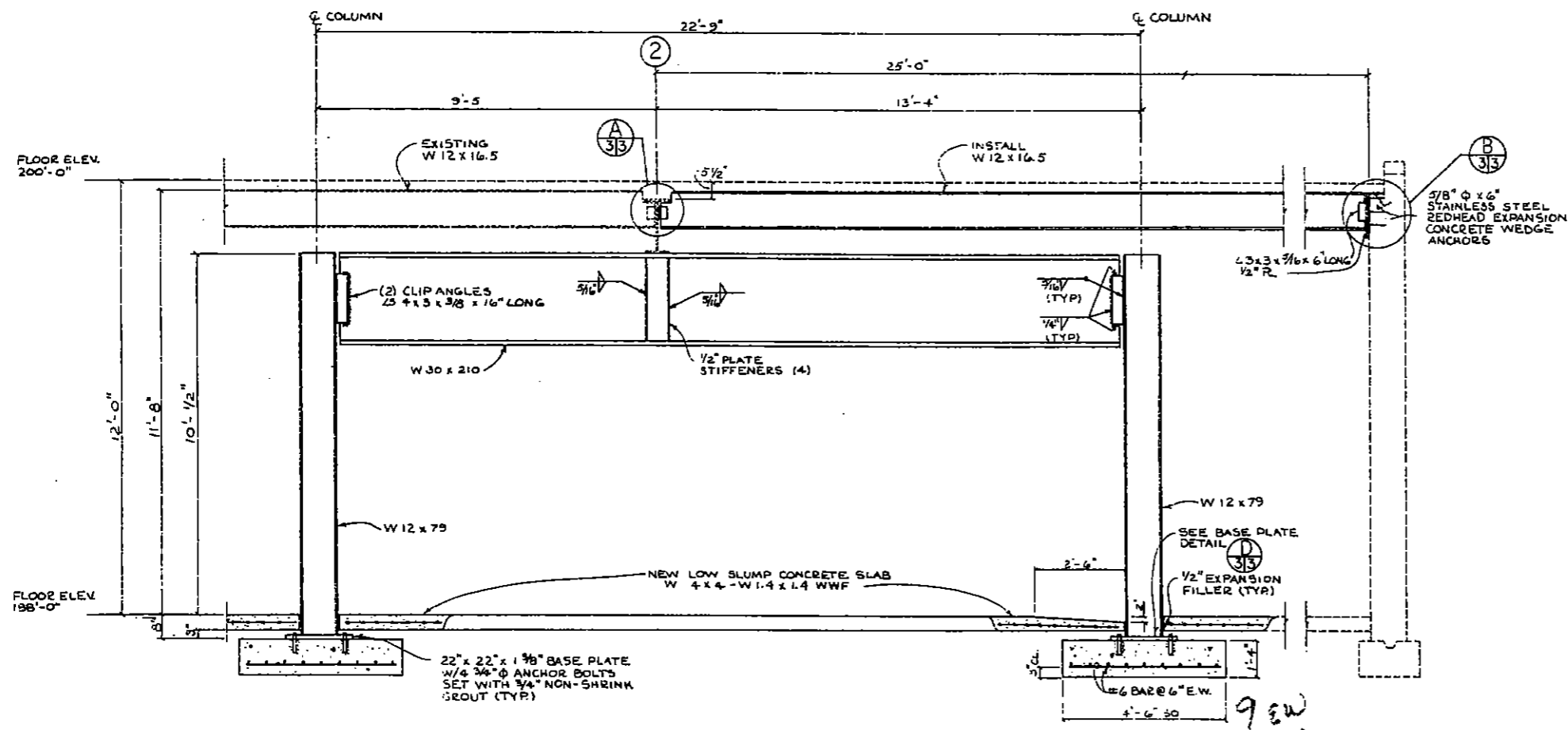
**DETAIL**  
3" = 1'-0" C  
3/3



**BASE PLATE DETAIL**  
1 1/2" = 1'-0" D  
3/3

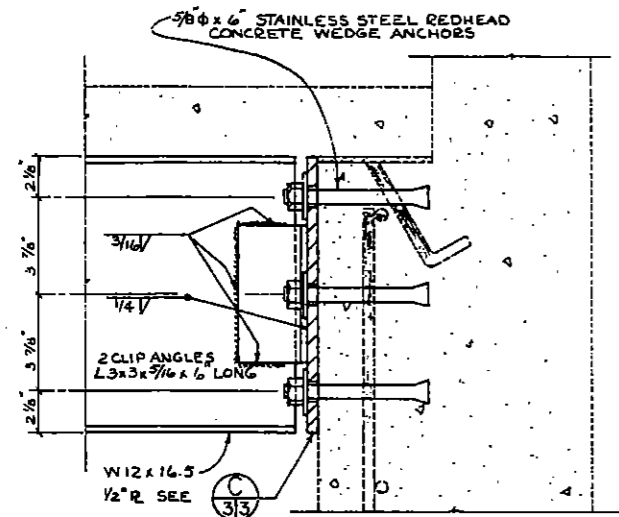


REVISION	STATUS	DATE	DESCRIPTION	BY
<b>NATIONAL WILDLIFE HEALTH LABORATORY</b> <b>MADISON, WIS.</b>				
<b>COLUMN RELOCATION DETAILS</b>			DRAWING NO. <b>D.E.C.-WI-927-50.0</b>	
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
1/79	M.K.	J.F.G.		D.E.C.-WI-927-50.0

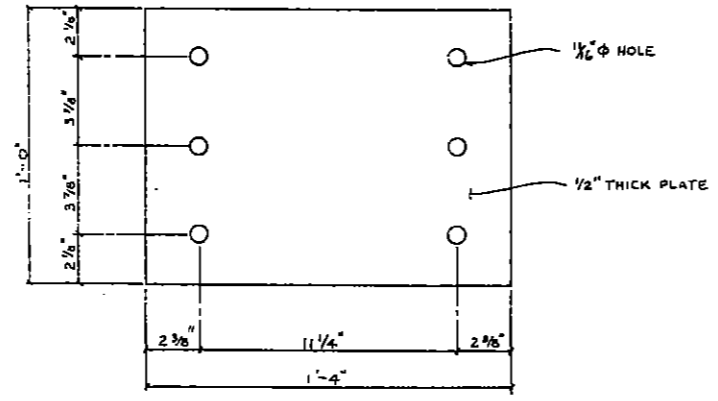


W 12 x 16.5 / W 18 x 50 CONNECTION (TYP) A  
3" = 1'-0"

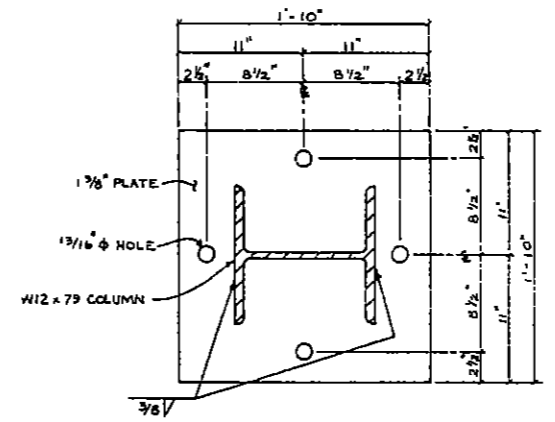
COLUMNS AND BEAMS ELEVATION - NEW CONSTRUCTION E  
1/2" = 1'-0"



W 12 x 16.5 / WALL CONNECTION B  
3" = 1'-0"



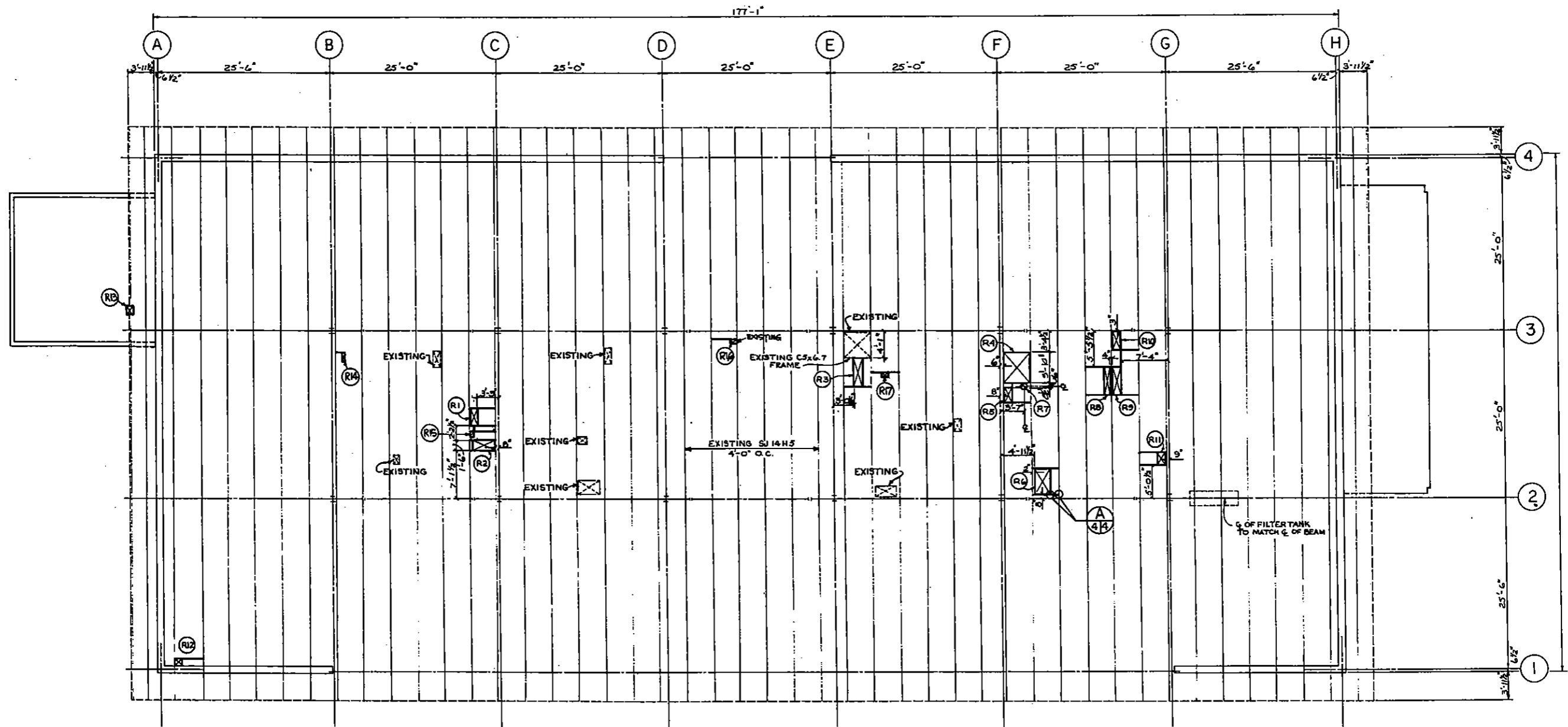
DETAIL C  
3" = 1'-0"



BASE PLATE DETAIL D  
1 1/2" = 1'-0"



REVISION	STATUS	DATE	DESCRIPTION	BY
<b>NATIONAL WILDLIFE HEALTH LABORATORY</b> <b>MADISON, WIS.</b> <b>COLUMN RELOCATION DETAILS</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
1/79	N.K.	J.E.G.		D.E.C.-WI-927-50.0



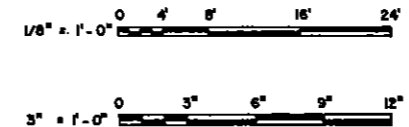
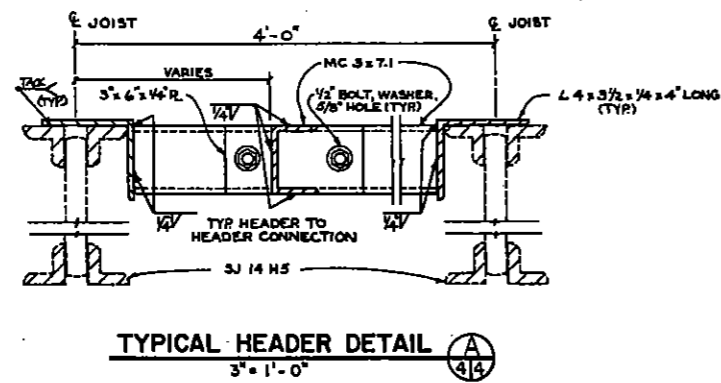
NOTE:  
CONTRACTOR TO VERIFY  
EXISTING OPENINGS

**ROOF OPENING SCHEDULE**

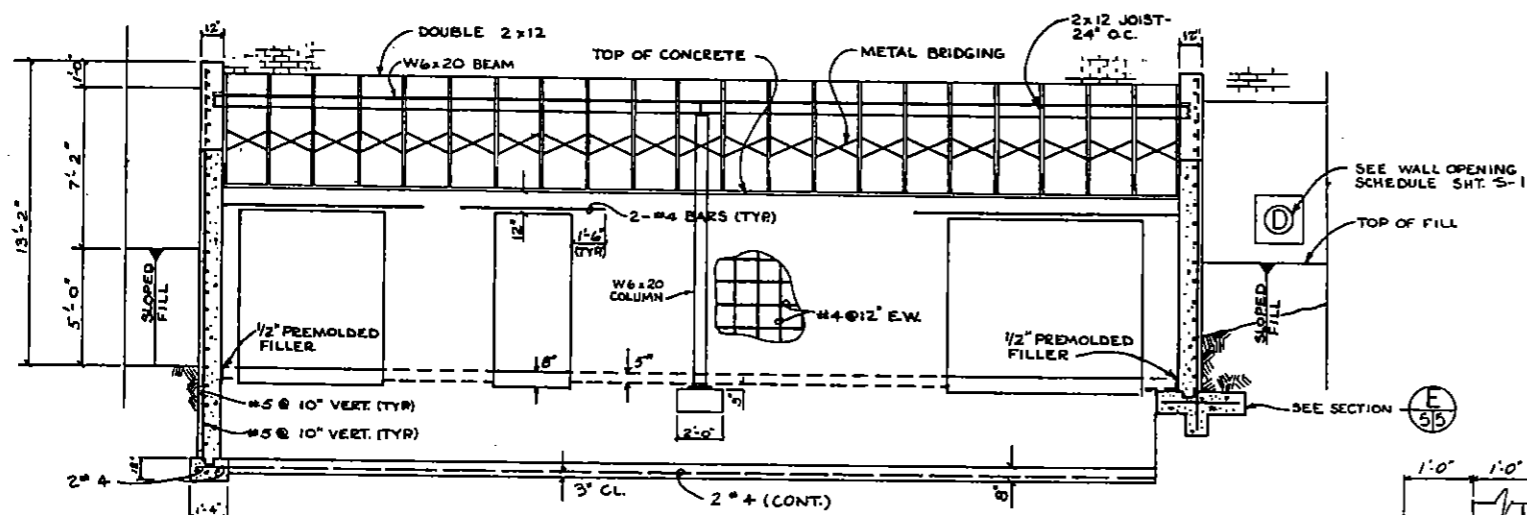
MARK	WIDTH (EAST - WEST)	LENGTH (NORTH-SOUTH)	MARK	WIDTH	LENGTH
(R1)	1'-0"	2'-6"	(R8)	12"	16"
(R2)	3'-7"	1'-6"	(R9)	12"	36"
(R3)	1'-3"	4'-2"	(R10)	12"	8"
(R4)	5'-10"	4'-0"	(R11)	EXIS	14'6"
(R5)	11"	2'-1"	(R12)	12"	24"
(R6)	2'-3"	4'-9"			
(R7)	12" φ				
(R8)	1'-0"	4'-1"			
(R9)	1'-5"	4'-1"			
(R10)	1'-0"	2'-8"			
(R11)	1'-1"	1'-11"			
(R12)	1'-0"	1'-0"			

**ROOF PLAN - NEW CONSTRUCTION**

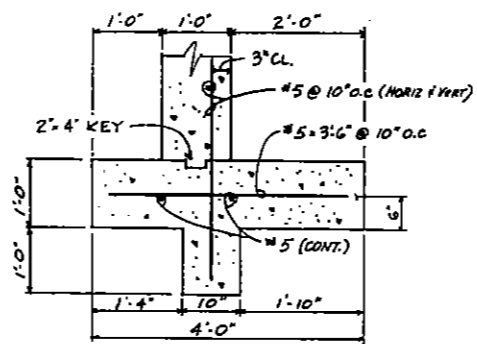
1/8" = 1'-0"



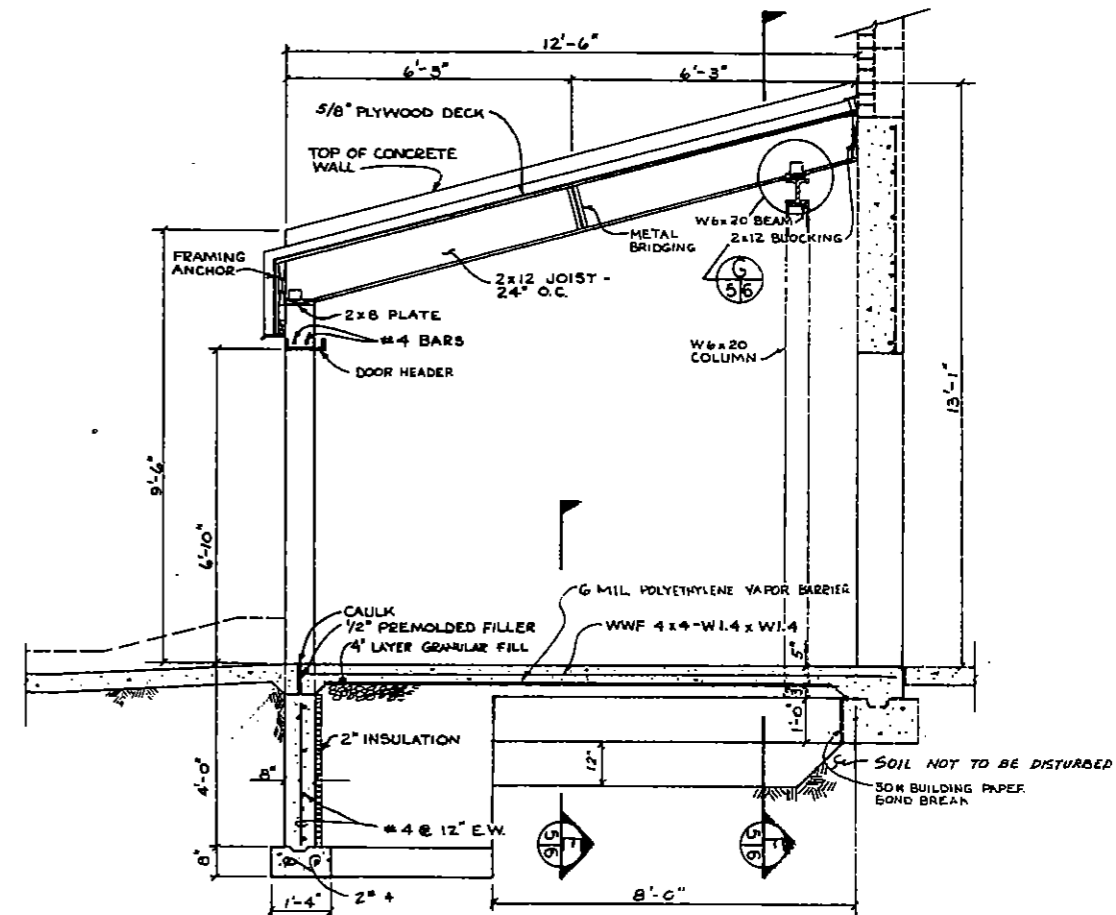
REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LABORATORY				
<b>ROOF PLAN-NEW CONSTRUCTION</b>				
MADISON, WIS.				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
1/79	N.K.	J.F.G.		DE.C.-WI-927-510



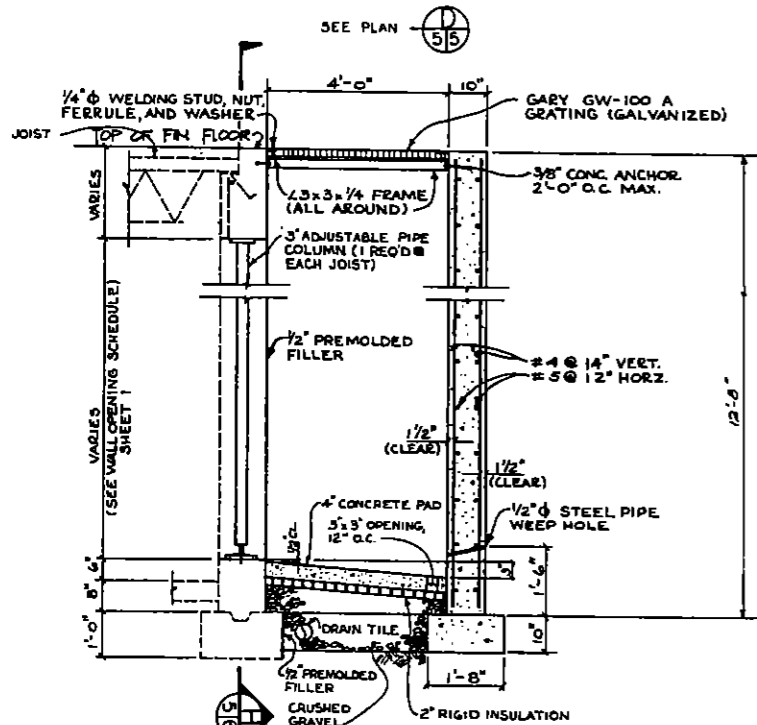
SECTION - NEW CONSTRUCTION  
1/4" = 1'-0" (A)



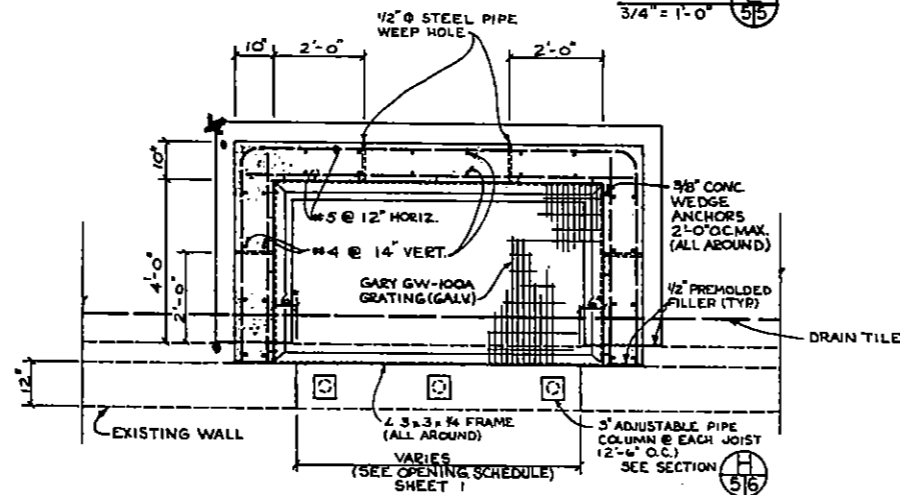
SECTION (E)  
3/4" = 1'-0" (E)



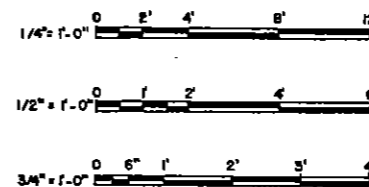
SECTION (B)  
1/2" = 1'-0" (B)



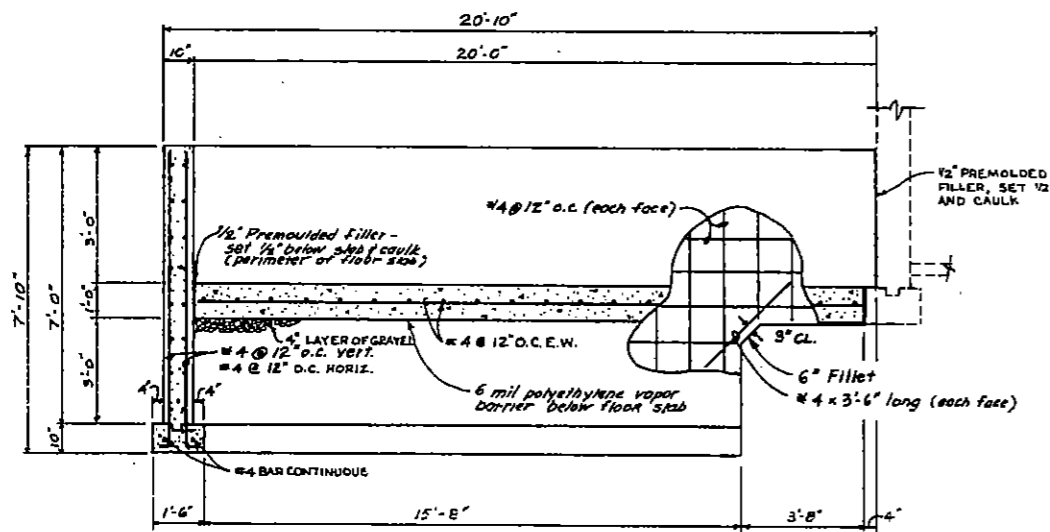
SECTION (C)  
1/2" = 1'-0" (C)



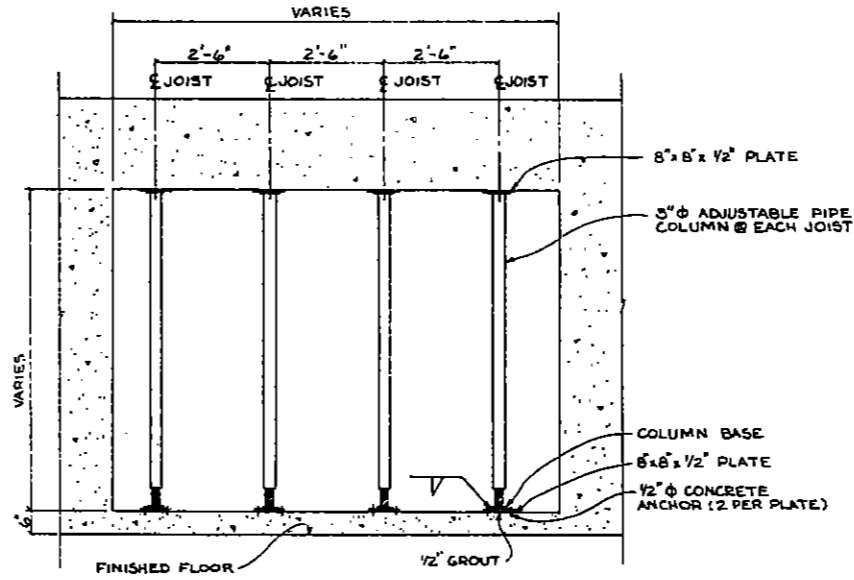
PLAN (D)  
1/2" = 1'-0" (D)



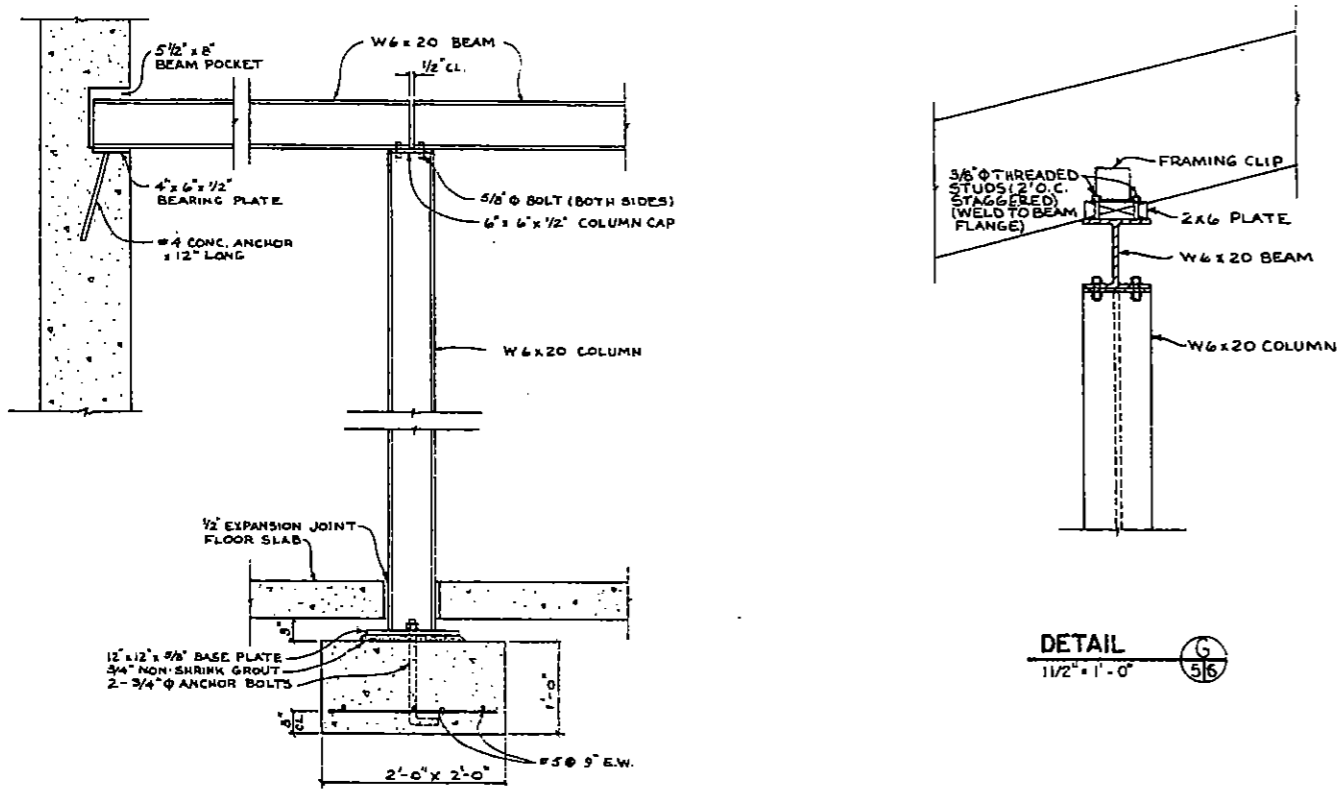
REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LABORATORY				
MADISON, WIS.				
MISCELLANEOUS DETAILS				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
1/79	N.K.	J.E.B.		D.E.C.-WI-927-52.0



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

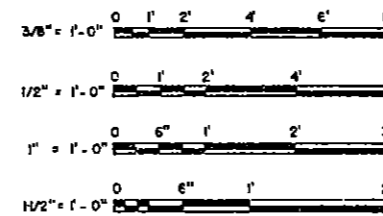


SECTION H  
1/2" = 1'-0"



SECTION G  
1" = 1'-0"

DETAIL G  
1 1/2" = 1'-0"



REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LABORATORY				
MADISON, WIS.				MISCELLANEOUS DETAILS
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
1/79	N.K.	JFB		D.E.C.-WI-927-53.0

— FIXTURES & FITTINGS —

- |   |   |
|---|---|
| BV BALANCE VALVE                          | PRV PRESSURE RELIEF VALVE                             |
| BFP BACK FLOW PREVENTER                   | RV REFRIGERANT VALVE (FREEZER & COOLER REFRIGERATION) |
| CV CHECK VALVE                            | RV RELIEF VALVE                                       |
| CO CLEAN OUT                              | SS SERVICE SINK                                       |
| CRY CONDENSER REGULATING VALVE            | SH SHOWER   |
| EEW EMERGENCY EYE WASH                    | SG SIGHT GLASS  |
| ES EMERGENCY SHOWER                       | S- SINK   |
| EV EXPANSION VALVE                        | SV SOLENOID VALVE                                     |
| FD FILTER DRIER (FREEZER & COOLER REFRIG) | STE STRAINER  |
| FC FLEXIBLE CONNECTION                    | TV TEMPERING VALVE                                    |
| FDO FLOOR CLEAN OUT                       | UNION   |
| FD FLOOR DRAIN                            | URINAL  |
| FS FLOOR SINK                             | V VALVE   |
| GV GATE VALVE                             | WCO WALL CLEAN OUT                                    |
| GCO GRADE CLEAN OUT                       | WH WATER HYDRANT                                      |
| HS HOSE BIBB                              | WC WATER CLOSET                                       |
| L- LAVATORY                               | WHA WATER HAMMER ARRESTOR                             |
| MS MIXING STATION                         |   |

— LEGEND —

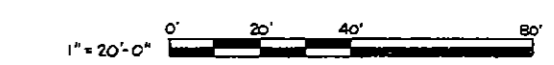
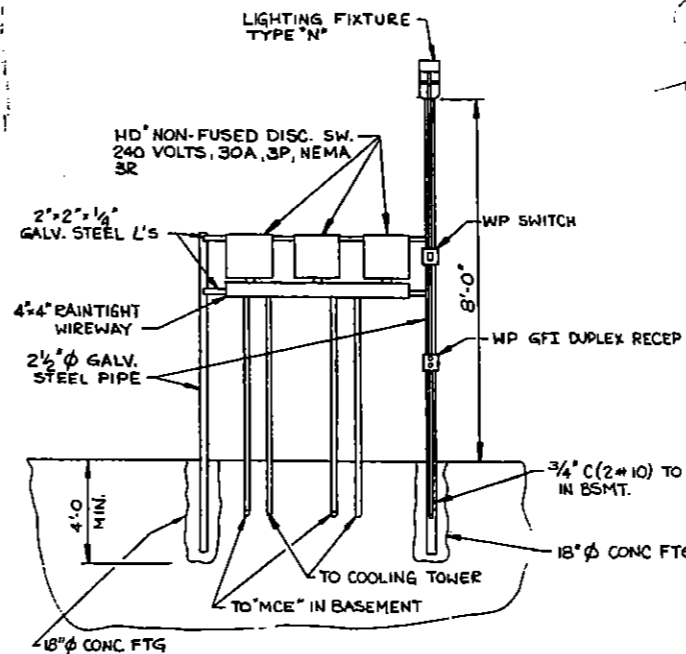
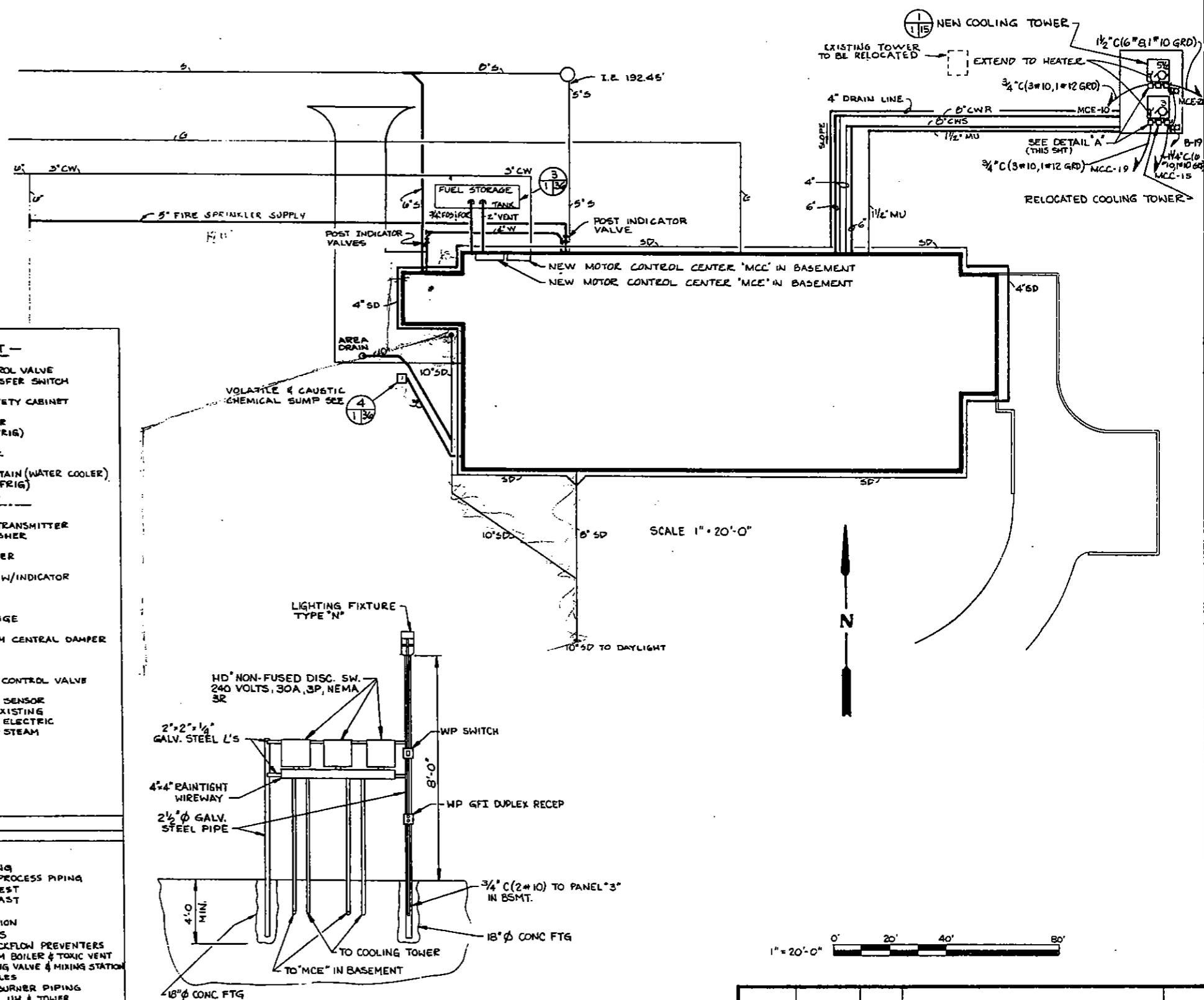
- |                                       |                                     |
|---------------------------------------|-------------------------------------|
| A COMPRESSED AIR SUPPLY               | MU MAKE-UP WATER                    |
| AL ALUMINUM                           | NC NORMALLY CLOSED                  |
| AP ACCESS PANEL                       | NO NORMALLY OPEN                    |
| ARD ACID RESISTANT DUCT               | O OVERFLOW PIPE                     |
| ARS ACID RESISTANT SEWER              | OD OUTSIDE DIAMETER                 |
| ARV ACID RESISTANT VENT               | R RISE                              |
| ARVTR ACID RESISTANT VENT (THRU ROOF) | RD REFRIGERANT DISCHARGE            |
| CHWR CHILLED WATER RETURN             | RL REFRIGERANT LIQUID               |
| CHWS CHILLED WATER SUPPLY             | RS REFRIGERANT SUCTION              |
| CR+ CONDENSATE RETURN                 | S SANITARY SEWER                    |
| CW COLD WATER SUPPLY                  | SCH SCHEDULE                        |
| CWR CONDENSER WATER RETURN            | SCW SOFT COLD WATER                 |
| CWS CONDENSER WATER SUPPLY            | +3+ STEAM                           |
| DN DOWN                               | SD STORM DRAIN                      |
| DN DISTILLED WATER                    | SW STERILIZED WASTE                 |
| FOR FUEL OIL RETURN                   | TV TURNING VANE                     |
| FOS FUEL OIL SUPPLY                   | V VENT                              |
| FOT FLAT ON TOP                       | VR VENT RISER                       |
| FVTR FILTERED VENT THRU ROOF          | VTR VENT THRU ROOF                  |
| G GAS                                 | TW TOYK WASTE                       |
| HW HOT WATER                          |                                     |
| HWL HOT WATER RETURN                  | Ø DIAMETER                          |
| HWS HOT WATER SUPPLY                  | # DOOR LOWER                        |
| ICW INDUSTRIAL COLD WATER             | --- EXISTING DUCT WORK              |
| IHW INDUSTRIAL HOT WATER              | --- NEW DUCT WORK                   |
| ISCW INDUSTRIAL SOFT COLD WATER       | --- SIZE TYPE → SUPPLY AIR DIFFUSER |
| HER MECHANICAL EQUIPMENT ROOM         | --- SIZE TYPE → RETURN AIR REGISTER |
| FOG FUEL OIL GAUGE                    |                                     |
| HWC HOT WATER CIRCULATING             |                                     |
| --- EXISTING PIPING                   |                                     |
| --- NEW PIPING                        |                                     |

— EQUIPMENT —

- |                                     |
|-------------------------------------|
| ACV AUTOMATIC CONTROL VALVE         |
| ATS AUTOMATIC TRANSFER SWITCH       |
| B BOILER                            |
| BSC BIOLOGICAL SAFETY CABINET       |
| CC COOLING COIL                     |
| CD CONTROL DAMPER                   |
| COND CONDENSER (REFRIG)             |
| CP CONTROL PANEL                    |
| CS CONTROL SENSOR                   |
| CT COOLING TOWER                    |
| DF DRINKING FOUNTAIN (WATER COOLER) |
| EVAP EVAPORATOR (REFRIG)            |
| EXP TANK EXPANSION TANK             |
| FD FAN DAMPER                       |
| FS FAN SYSTEM                       |
| FT FLON TUBE W/ TRANSMITTER         |
| GW GLASSWARE WASHER                 |
| HC HEATING COIL                     |
| HE HEAT EXCHANGER                   |
| LC LEVEL CONTROL                    |
| LCI LEVEL CONTROL W/INDICATOR       |
| N NECROPSY                          |
| P PUMP                              |
| PH PREHEAT COIL                     |
| PG PRESSURE GAUGE                   |
| RF ROOF FAN                         |
| RVCD REMOTE VACUUM CENTRAL DAMPER   |
| SC STEAM COIL                       |
| STER STERILIZER                     |
| T THERMOSTAT                        |
| TCV TEMPERATURE CONTROL VALVE       |
| TH THERMOMETER                      |
| TS TEMPERATURE SENSOR               |
| U UTILITY FAN - EXISTING            |
| UE UNIT HEATER - ELECTRIC           |
| UH UNIT HEATER - STEAM              |
| WF WALL FAN                         |

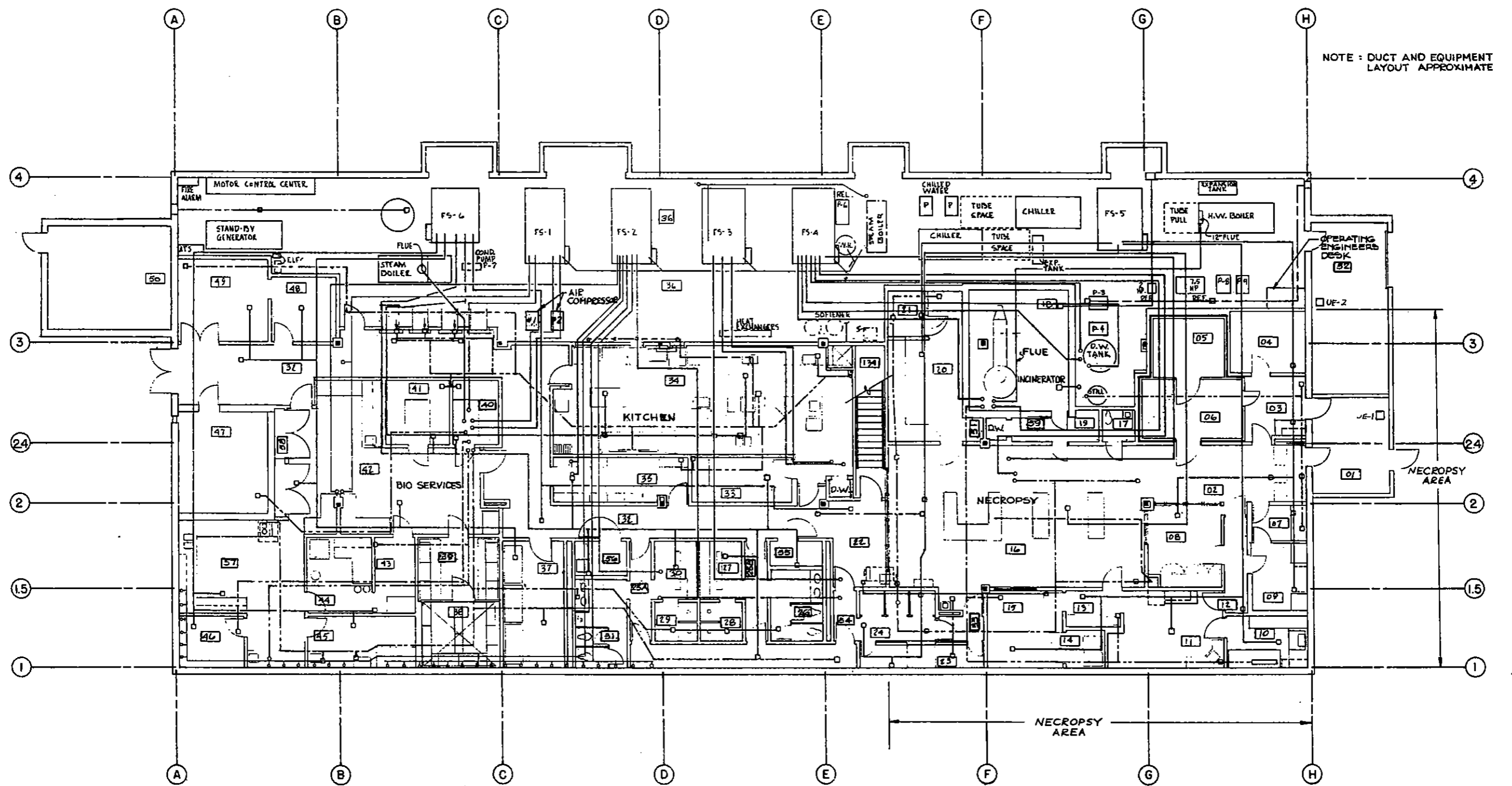
DRAWING SCHEDULE

SHEET NO.	DESCRIPTION	SHEET NO.	DESCRIPTION
M1	MECHANICAL - ELECTRICAL SITE PLAN	M23	FIRST FLOOR DRAINAGE
M2	DUCT DIAGRAM - BASEMENT	M24	BASEMENT PROCESS PIPING
M3	DUCT DISTRIBUTION - PLAN 'A'	M25	BASEMENT WATER DISTRIBUTION PIPING
M4	DUCT DISTRIBUTION - PLAN 'B'	M26	FIRST FLOOR WATER DISTRIBUTION & PROCESS PIPING
M5	DUCT DISTRIBUTION - PLAN 'C'	M27	MECHANICAL ROOM PLUMBING PLAN - WEST
M6	DUCT DISTRIBUTION - PLAN 'D'	M28	MECHANICAL ROOM PLUMBING PLAN - EAST
M7	DUCT DISTRIBUTION - PLAN 'E' & 'F'	M29	WASTE STERILIZATION SYSTEM
M8	MECHANICAL ROOM - WEST	M30	WASTE STERILIZATION PLAN & ELEVATION
M9	MECHANICAL ROOM - EAST	M31	HOT WATER / MAKE UP - WATER SYSTEMS
M10	MECHANICAL ROOF PLAN	M32	COOLER / FREEZER REFRIGERATION BACKFLOW PREVENTERS
M11	MECHANICAL ROOM & CORRIDOR SECTIONS	M33	WASTE PUMPS, HEAT EXCHANGER, STEAM BOILER & TOXIC VENT
M12	ELEVATIONS - FAN SYSTEMS FS-5 & FS-6	M34	STEAM TRAP, HUMIDIFIER, STILL, TEMPERING VALVE & MIXING STATION
M13	DUCT SECTIONS - BASEMENT	M35	STERILIZERS, WASHERS & NECROPSY TABLES
M14	DUCT SECTIONS - FIRST FLOOR	M36	INCINERATOR, FUEL TANK, PUMP SET & BURNER PIPING
M15	REFRIGERATION FLOW DIAGRAM & COOLING TOWER	M37	EQUIPMENT SCHEDULES - FANS, PUMPS, UH & TOWER
M16	CHILLER, PUMP, HW BOILER & UNIT HEATER	M38	EQUIPMENT SCHEDULES - COILS, GRILLES, CHILLER & HE
M17	ROOF FANS, COIL PIPING, DUCT DETAILS	M39	PLUMBING & STERILIZER EQMT SCHEDULES
M18	HOODS, DAMPERS, WALL FAN	M40	EXISTING FIRST FLOOR & ROOF DUCTWORK
M19	EXISTING TEMPERATURE CONTROLS FS-1 & FS-4	M41	EXISTING DUCTWORK - BASEMENT
M20	EXISTING TEMPERATURE CONTROLS FS-2 & FS-3	M42	EXISTING HEATING DETAILS
M21	CONTROLS FOR STATIC PRESSURE & FS-5, FS-6 & REFRIG.	M43	EXISTING FIRST FLOOR PLUMBING
M22	BASEMENT DRAINAGE	M44	EXISTING BASEMENT PLUMBING



REVISION	STATUS	DATE	DESCRIPTION	BY
<b>NATIONAL WILDLIFE HEALTH LAB</b> <b>MADISON, WISCONSIN</b>				
<b>MECHANICAL - ELECTRICAL</b> <b>SITE PLAN</b>			DATE 11/78 DESIGNED N.G./T.R. DRAWN J.D./S.M. CHECKED D.G. DRAWING NO. DEC-WI-927-54.0	

NOTE: DUCT AND EQUIPMENT LAYOUT APPROXIMATE

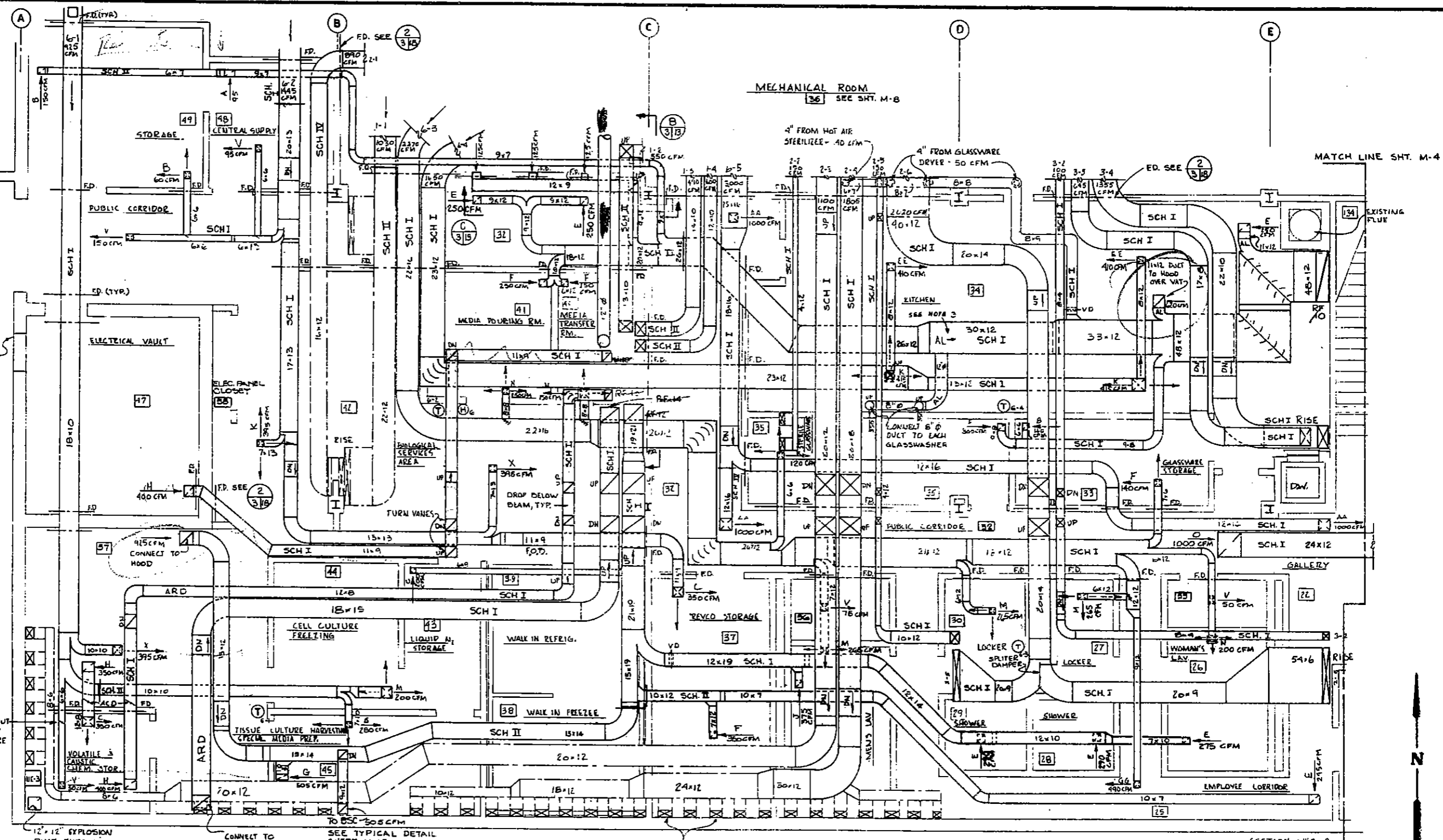


DUCT DIAGRAM - BASEMENT  
SCALE: 1/8" = 1'-0"

- LEGEND**
- EXISTING SUPPLY
  - NEW SUPPLY
  - - - NEW RETURN
  - RISER
  - SUPPLY OR RETURN AIR GRILLE



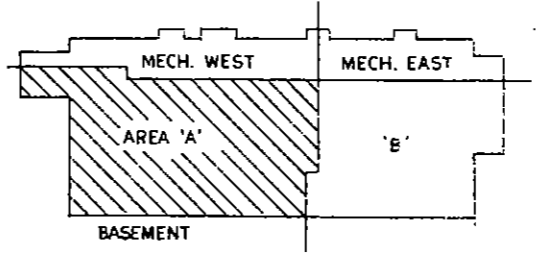
REVISION	STATUS	DATE	DESCRIPTION	BY
<p>NATIONAL WILDLIFE HEALTH LAB MADISON, WISCONSIN</p> <p>DUCT DIAGRAM BASEMENT</p>				
DATE 11/78	DESIGNED T.P.	DRAWN C.D.O.	CHECKED D.G.	DRAWING NO. DEC - WI - 927 - 55.0



- NOTES:**
1. INSTALL FIRE DAMPERS IN ALL DUCTS PENETRATING MECHANICAL ROOM.
  2. SEAL AROUND ALL DUCT AND PIPE PENETRATING MECHANICAL ROOM.
  3. DUCTWORK TO BE ALUMINUM FROM THIS POINT TO EXHAUST FAN.
  4. REFER TO SHEET M-17 FOR TYPICAL DUCTWORK CONSTRUCTION.

- LEGEND**
- ARD - ACID RESISTANT DUCT
  - AL - ALUMINUM
  - FD - FIRE DAMPER
  - — — NEW DUCT
  - — — EXIST. DUCT
  - ACD - AUTOMATIC CONTROL DAMPER

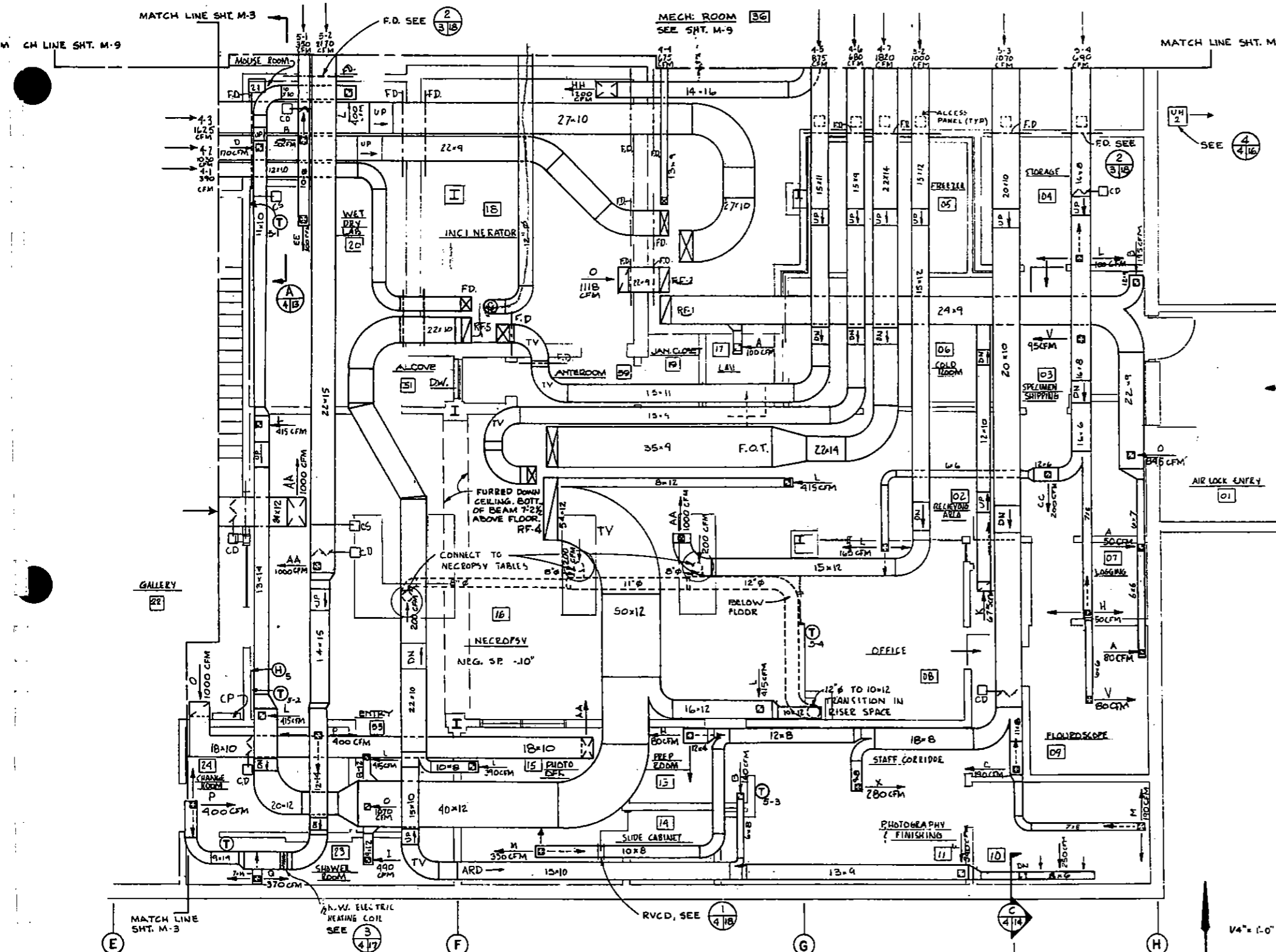
**AREA 'A' DUCT PLAN**  
SCALE: 1/4" = 1'-0"



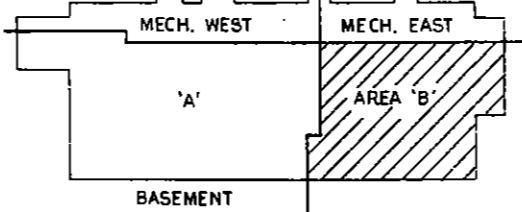
1/4" = 1'-0"

REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB				
MADISON, WISCONSIN				
DUCT DISTRIBUTION			AREA 'A'	
BASEMENT				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
11/78	W.G./T.P.	C.B.D.	D.G.	DEC-WI-927-56.0





AREA 'B' DUCT PLAN  
SCALE: 1/4" = 1'-0"

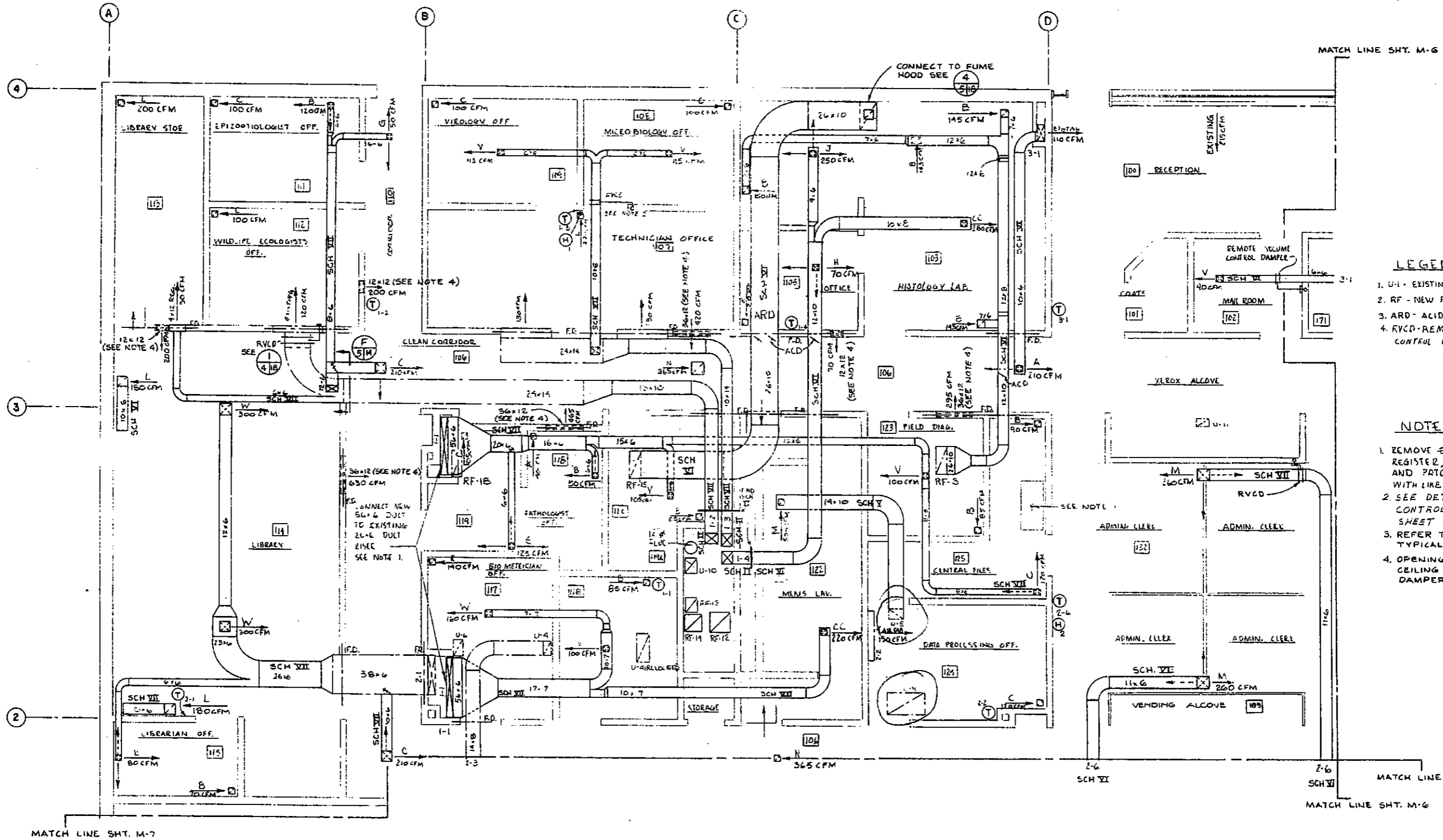


**LEGEND**

- CS - CONTROL SENSOR
- CP - CONTROL PANEL
- CD - CONTROL DAMPER
- R.V.C.D. - REMOTE VOLUME CONTROL DAMPER
- RF - ROOF FAN
- T.V. - TURNING VANES
- ARD - ACID RESISTANT DUCT

- NOTES:**
1. ALL DUCTWORK SHOWN ON THIS SHEET IS TO BE INCLUDED IN SCHEDULE I.
  2. LOCATE ALL THERMOSTATS 5'-0" ABOVE FLOOR ON WALLS AS SHOWN FOR ENTIRE BLDG.
  3. REFER TO SHEET M-17 FOR TYPICAL DUCTWORK CONSTR.

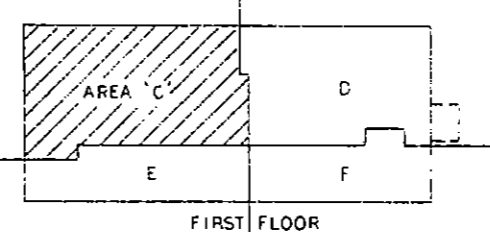
REVISION	STATUS	DATE	DESCRIPTION	BY
<p>NATIONAL WILDLIFE HEALTH LAB MADISON, WISCONSIN</p> <p>DUCT DISTRIBUTION AREA 'B' BASEMENT</p>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
11/78	W.G./T.P.	C.D.D.	D.G.	DEC-WI-927-57.0



- LEGEND**
- 1. U-1 - EXISTING ROOF FAN (U-1)
  - 2. RF - NEW ROOF FAN
  - 3. ARD - ACID RESISTANT DUCT
  - 4. RVCD - REMOTE VOLUME CONTROL DAMPER

- NOTES**
- 1. REMOVE EXISTING WALL REGISTER, COP DUCT BRANCH AND PATCH HOLE IN WALL WITH LIKE MATERIAL
  - 2. SEE DETAIL OF VOLUME CONTROL DAMPER ON SHEET 17.
  - 3. REFER TO SHEET M-17 FOR TYPICAL DUCTWORK CONSTR.
  - 4. OPENING IN WALL ABOVE CEILING WITH VOLUME CONTROL DAMPER AND FIRE DAMPER

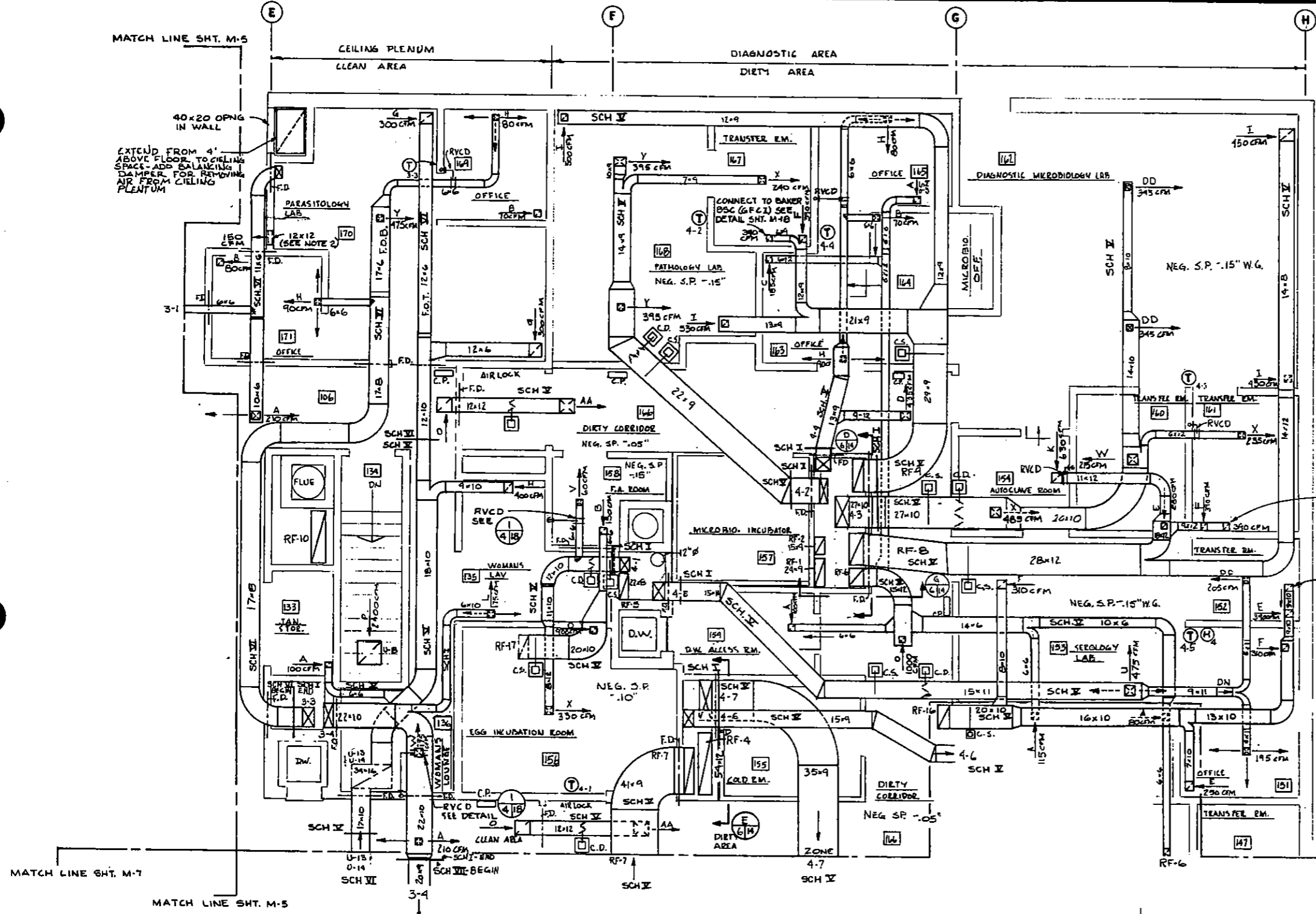
AREA 'C' DUCT PLAN  
SCALE: 1/4" = 1'-0"



FIRST FLOOR

1/4" = 1'-0"

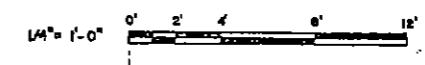
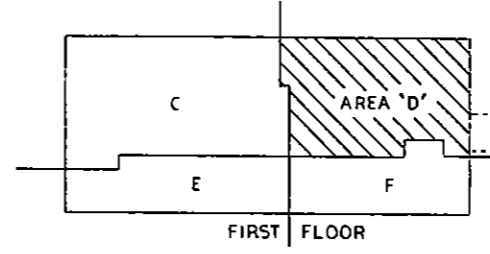
REVISION	STATUS	DATE	DESCRIPTION	BY
<p>NATIONAL WILDLIFE HEALTH LAB MADISON, WISCONSIN</p> <p>DUCT DISTRIBUTION AREA 'C' FIRST FLOOR</p>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
11/78	WG./T.P.	C.D.D.	D.G.	DEC-WI-927-58.0



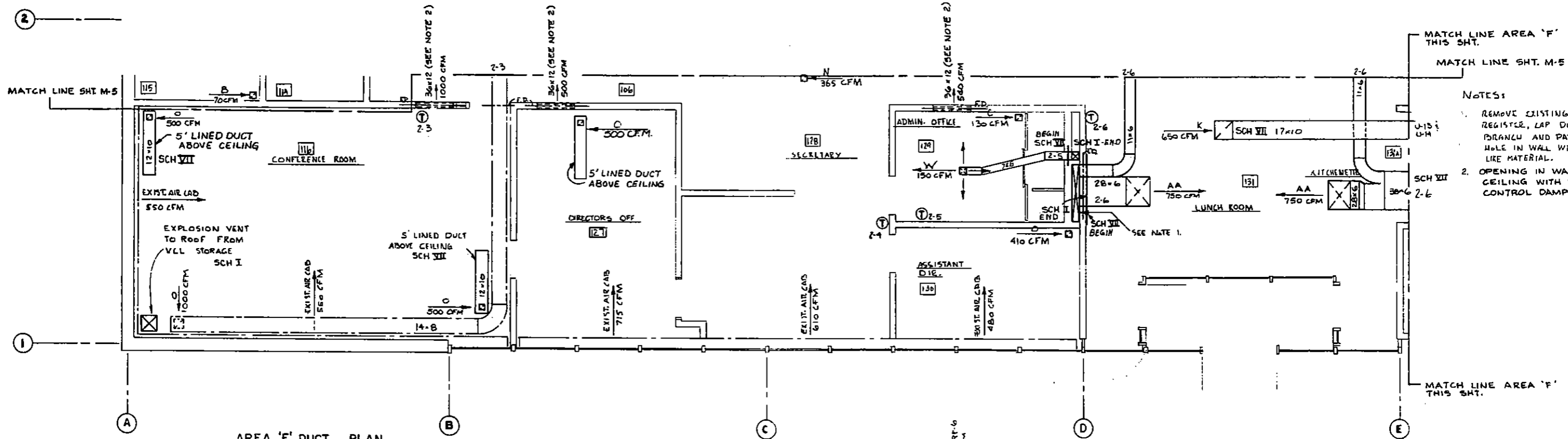
- LEGEND**
1. CS - CONTROL SENSOR
  2. CD - CONTROL DAMPER
  3. CP - CONTROL PANEL
  4. RF - ROOF FAN
  5. FD - FIRE DAMPER
  6. RVCD - REMOTE VOLUME CONTROL DAMPER
  7. BSC - BIOLOGICAL SAFETY CABINET
  8. SCH - SCHEDULE
  9. S.P. - STATIC PRESSURE

- NOTE:**
1. ALL DUCTWORK IN DIAGNOSTIC AREA TO BE INCLUDED IN SCHEDULE 'V'
  2. OPENING IN WALL ABOVE CEILING WITH VOLUME CONTROL DAMPERS.
  3. REFER TO SHEET M-17 FOR TYPICAL DUCTWORK CONSTRUCTION.
  4. BALANCE FOR AIR EXHAUST EITHER FROM BSC WHEN OPERATING OR FROM EXHAUST GRILL (TYPICAL FOR 6)

AREA 'D' DUCT PLAN  
SCALE: 1/4" = 1'-0"

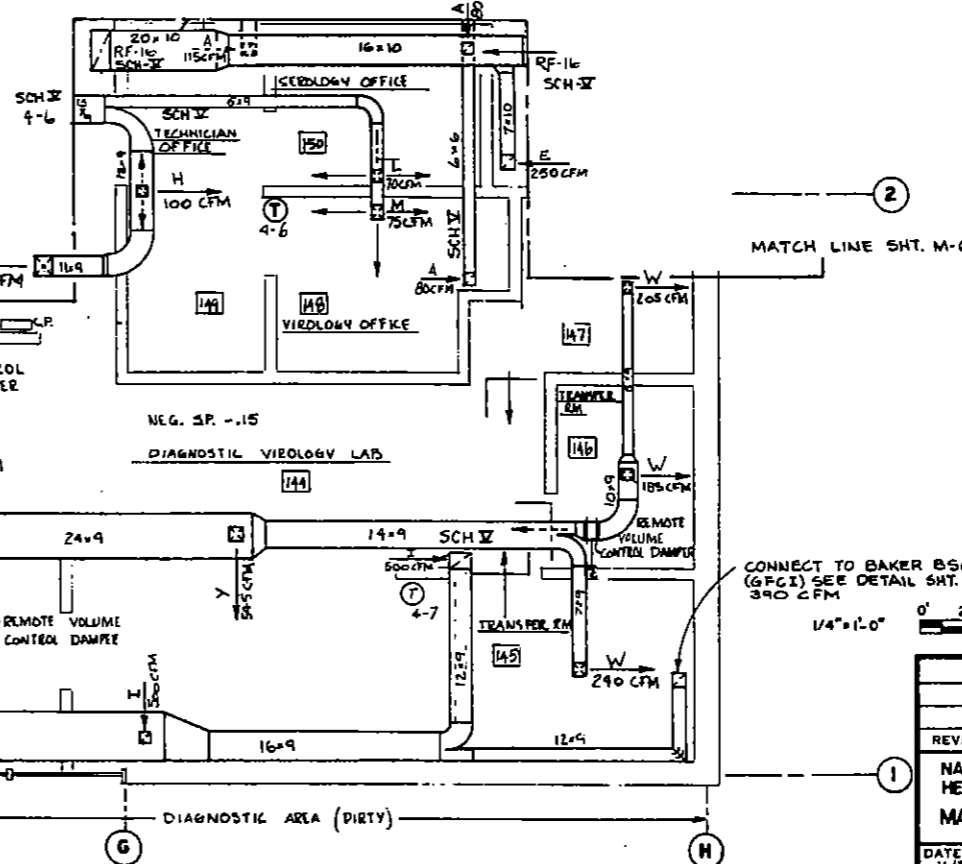


REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB MADISON, WISCONSIN DUCT DISTRIBUTION AREA 'D' FIRST FLOOR				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
11/78	WG/TP	C.D.D.	D.G.	DEC-WI-927-59.0

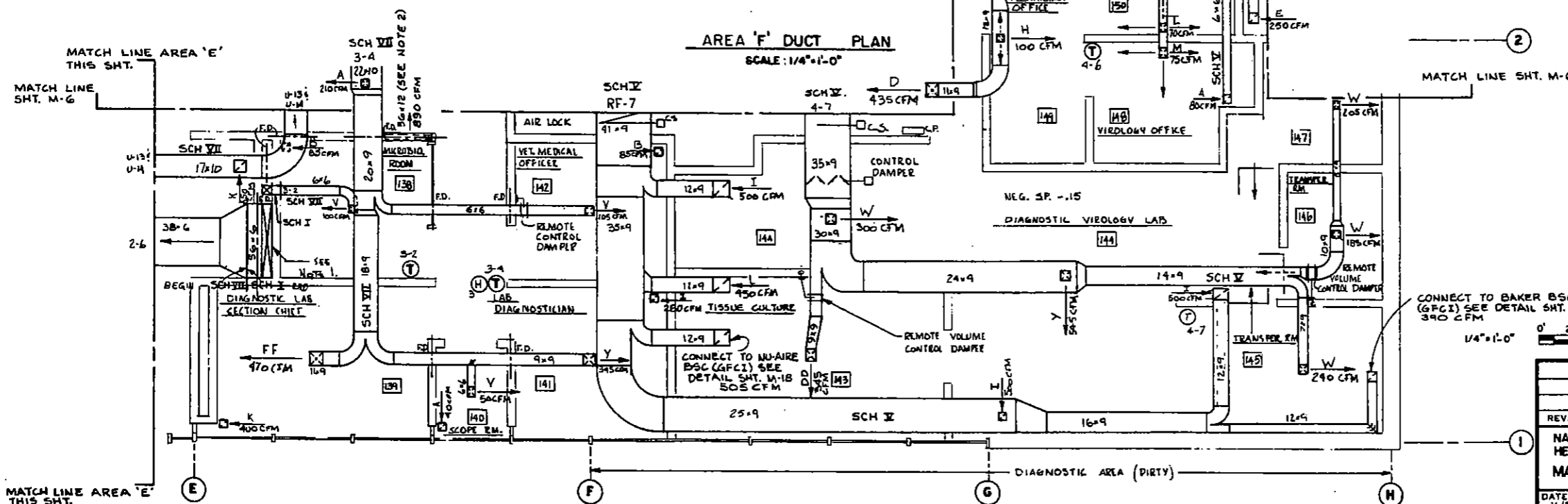


AREA 'E' DUCT PLAN  
SCALE: 1/4"=1'-0"

- NOTES:
- REMOVE EXISTING WALL REGISTER, LAP DUCT BRANCH AND PATCH HOLE IN WALL WITH LIKE MATERIAL.
  - OPENING IN WALL ABOVE CEILING WITH VOLUME CONTROL DAMPERS.



AREA 'F' DUCT PLAN  
SCALE: 1/4"=1'-0"

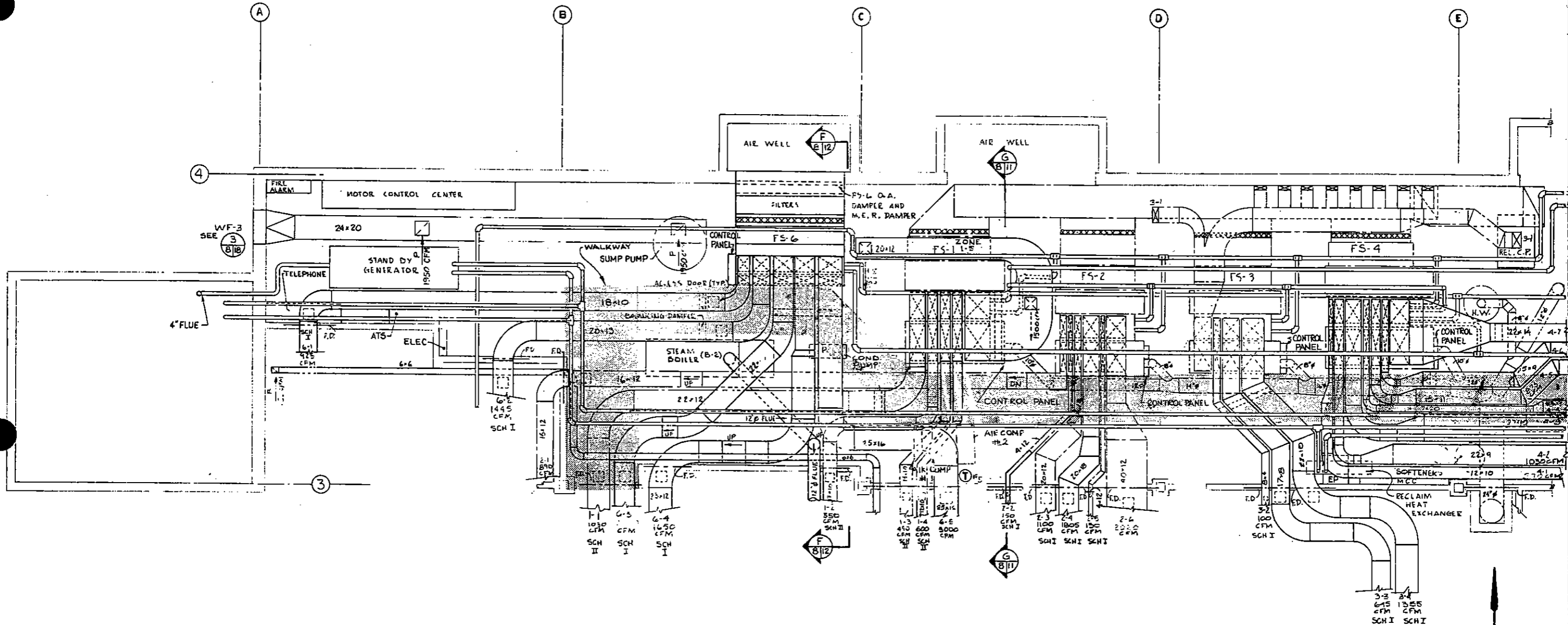


REVISION	STATUS	DATE	DESCRIPTION	BY

NATIONAL WILDLIFE HEALTH LAB  
MADISON, WISCONSIN

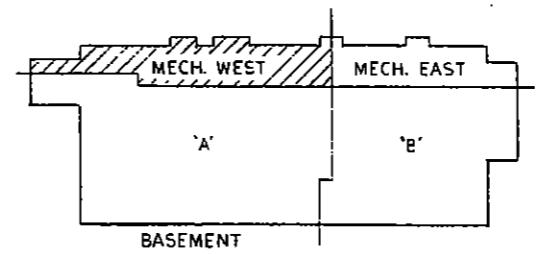
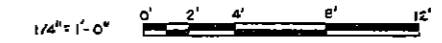
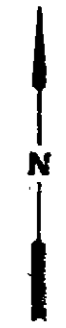
DUCT DISTRIBUTION  
AREA 'E' & 'F'  
FIRST FLOOR

DATE 11/78	DESIGNED WG/TP	DRAWN C.P.D.	CHECKED D.G.	DRAWING NO. DEC-WL-927-60.0
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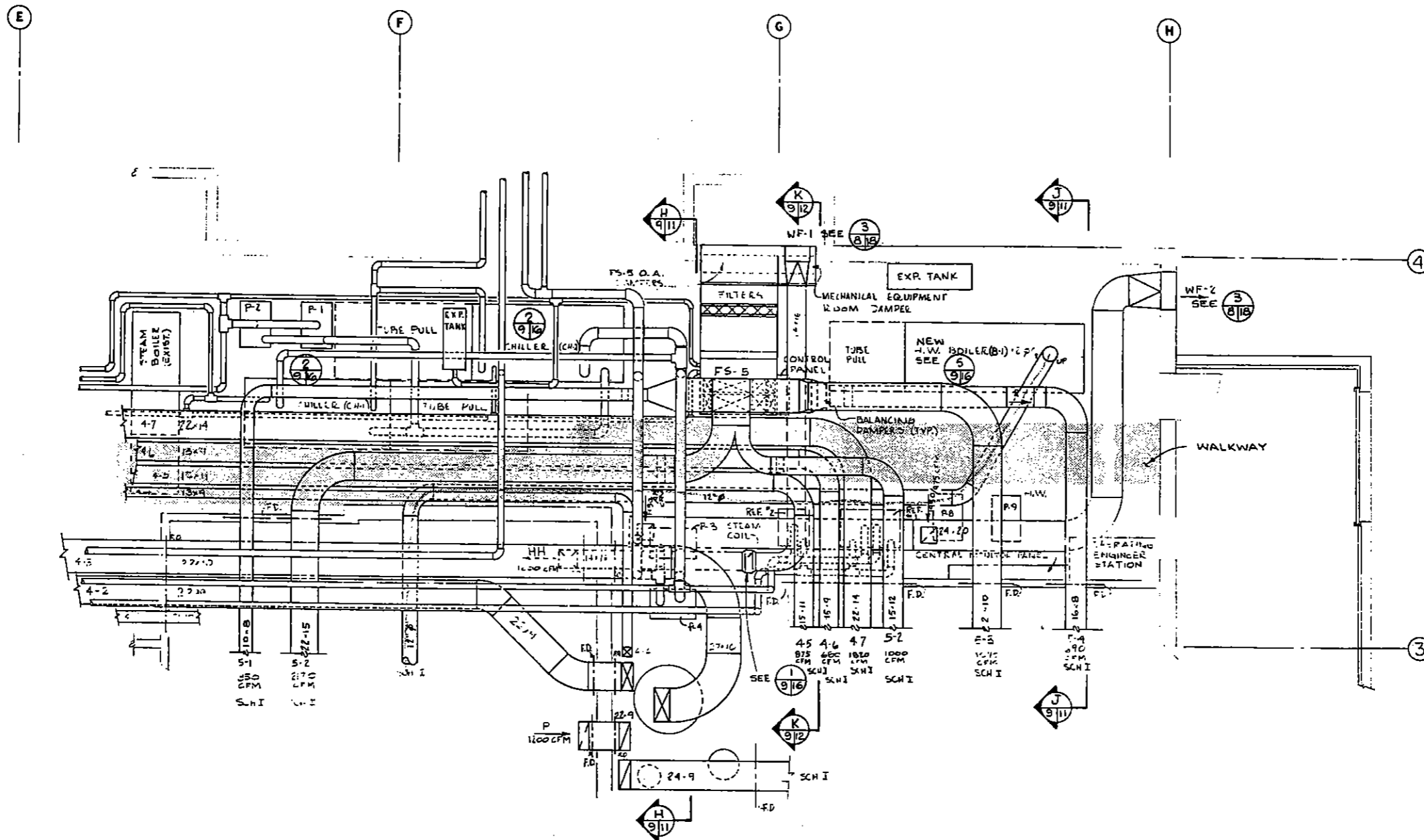


**MECHANICAL ROOM PLAN - WEST**  
SCALE: 1/4"=1'-0"

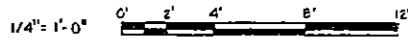
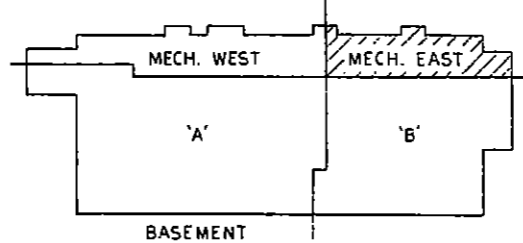
**LEGEND**  
 - - - - - EXISTING DUCT WORK  
 ———— NEW DUCT WORK



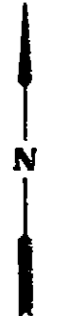
REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB MADISON, WISCONSIN <b>MECHANICAL ROOM PLAN</b> <b>WEST - BASEMENT</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
11/78	WG/TP	C.O.D.	D.G.	DEC-WI-927-610

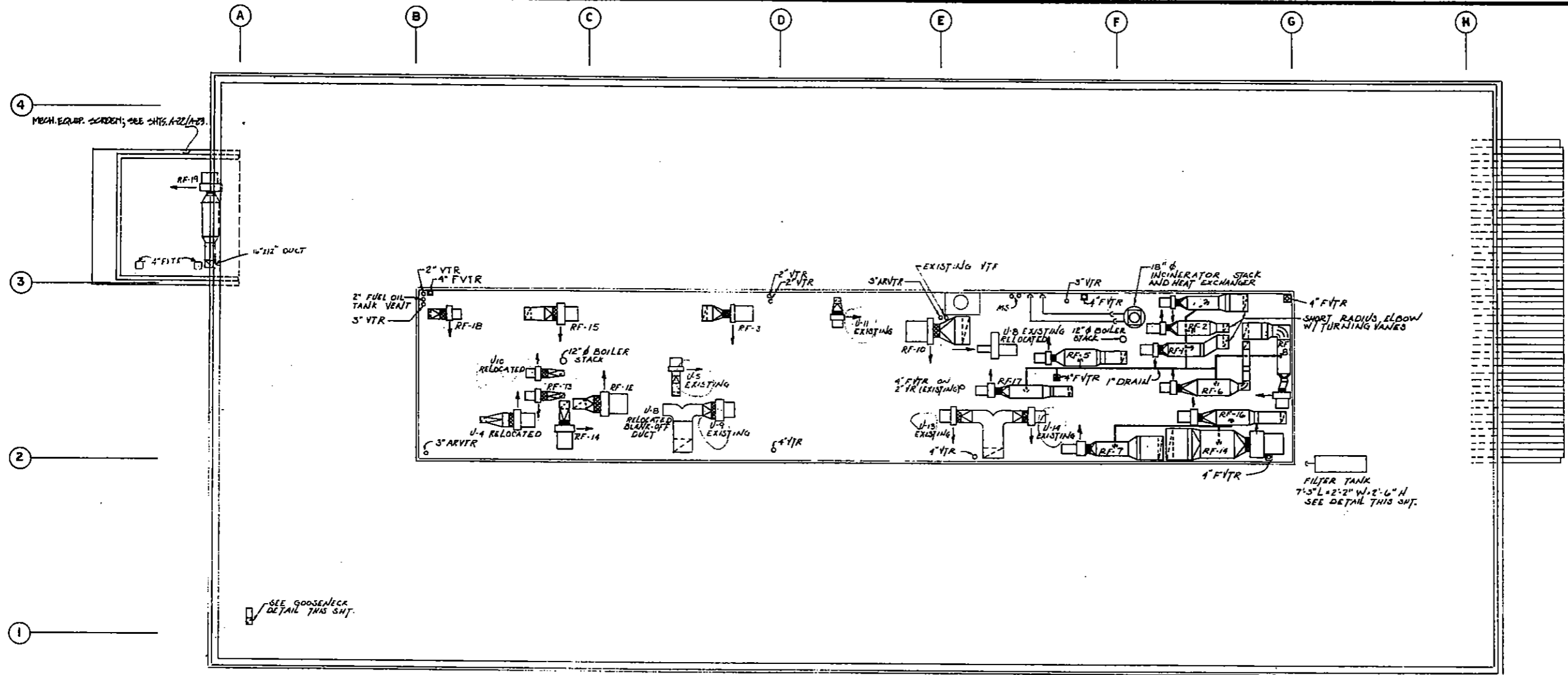


**MECHANICAL ROOM PLAN-EAST**  
SCALE: 1/4" = 1'-0"

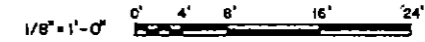
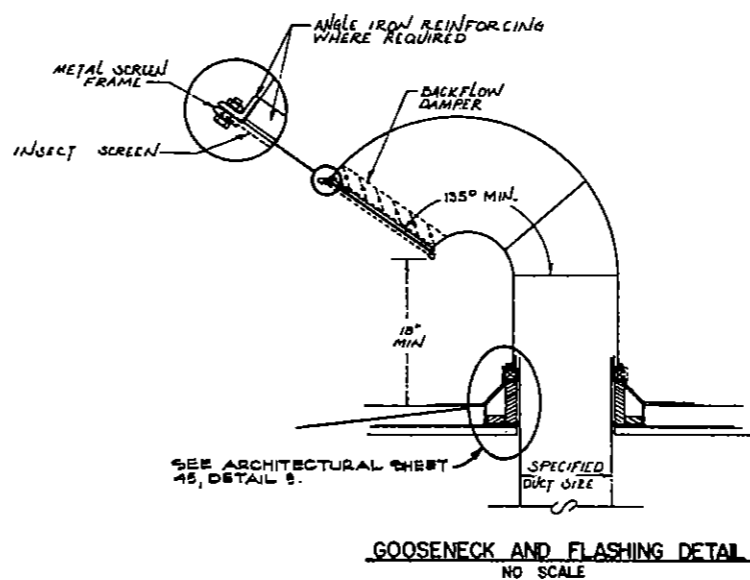
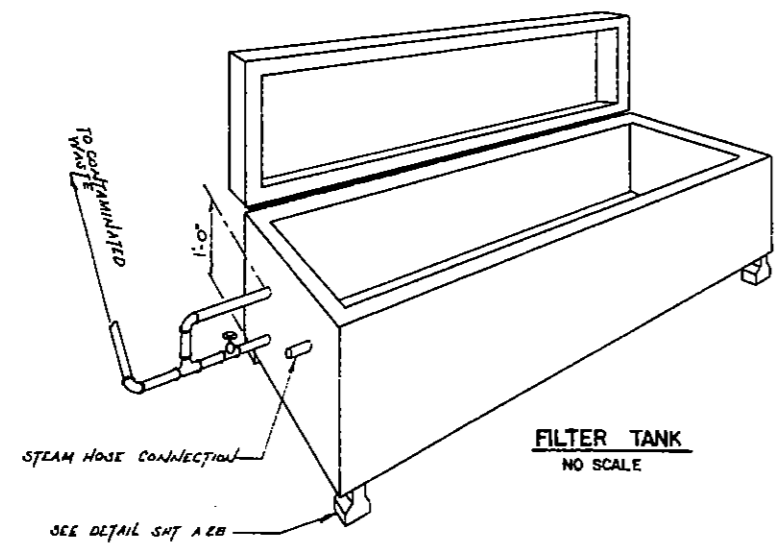


REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB		MECHANICAL ROOM PLAN EAST - BASEMENT		
MADISON, WISCONSIN				
DATE 11/78	DESIGNED WG/TP	DRAWN C.D.D.	CHECKED D.G.	DRAWING NO DEC-WI-927-62.0

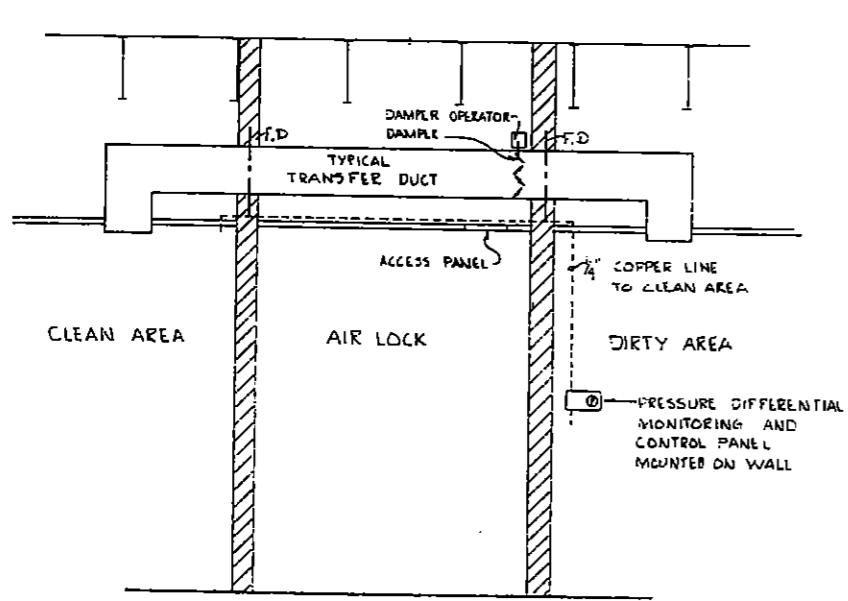




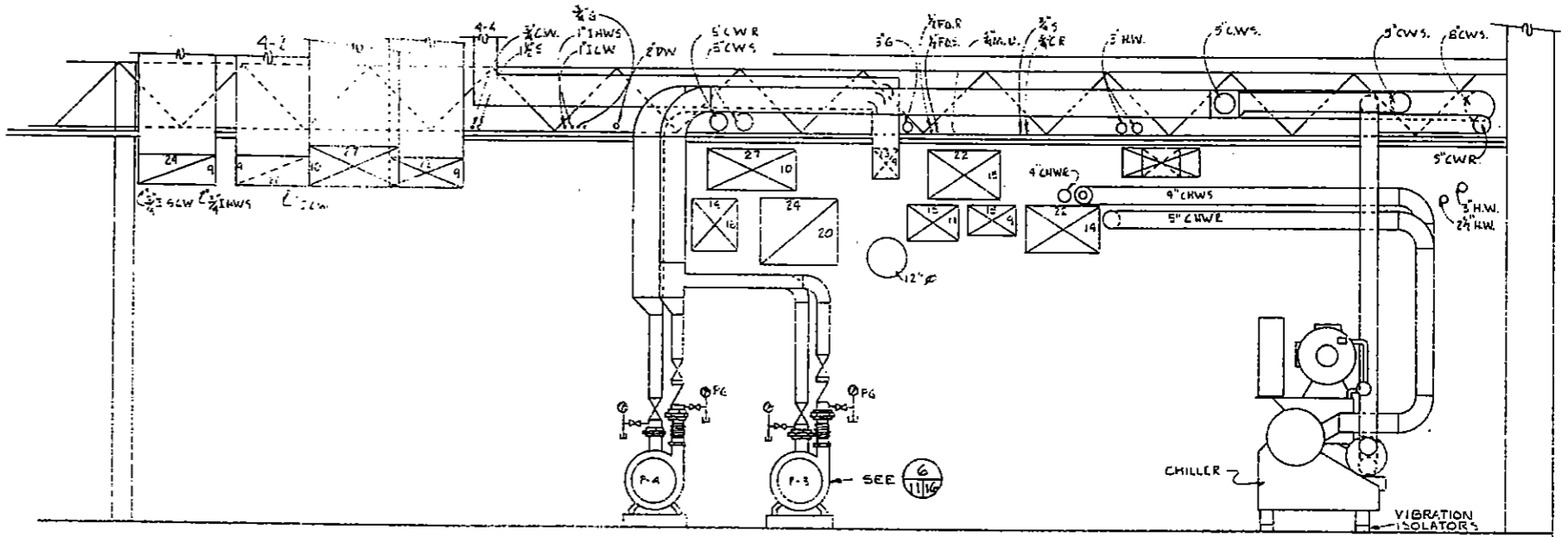
**MECHANICAL ROOF PLAN**  
SCALE: 1/8" = 1'-0"



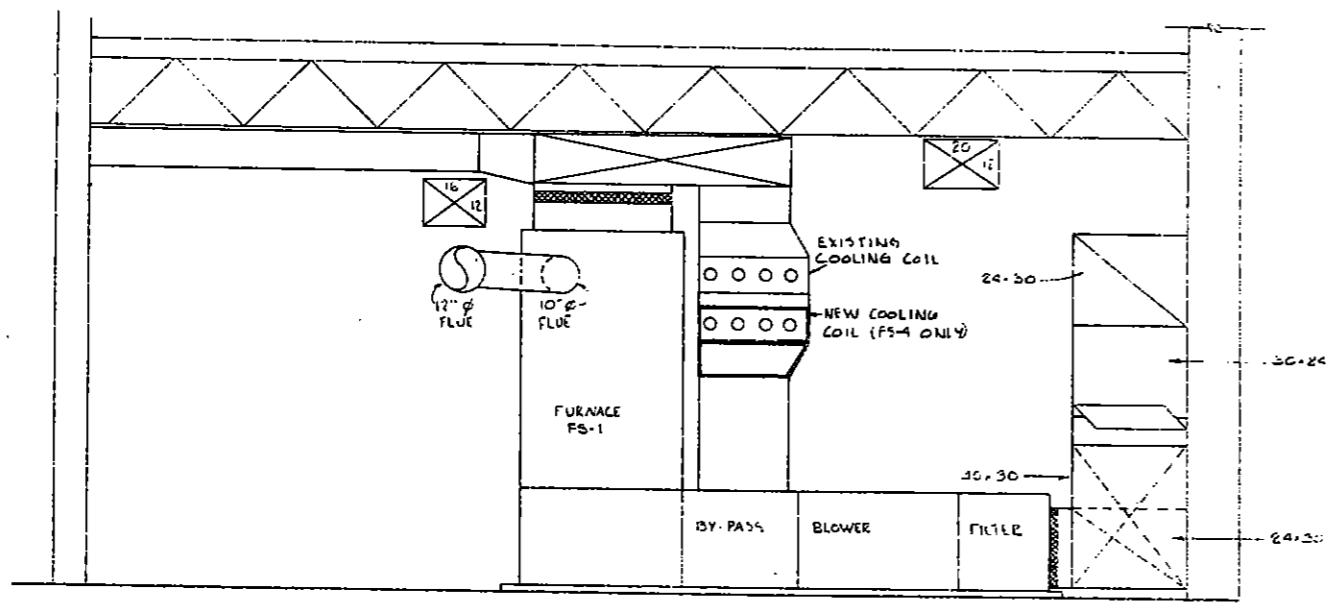
REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB MADISON, WISCONSIN <b>MECHANICAL ROOF PLAN</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
11/76	T.P.	C.D.D./K.M.	D.G.	DEC. WI. 927-63.0



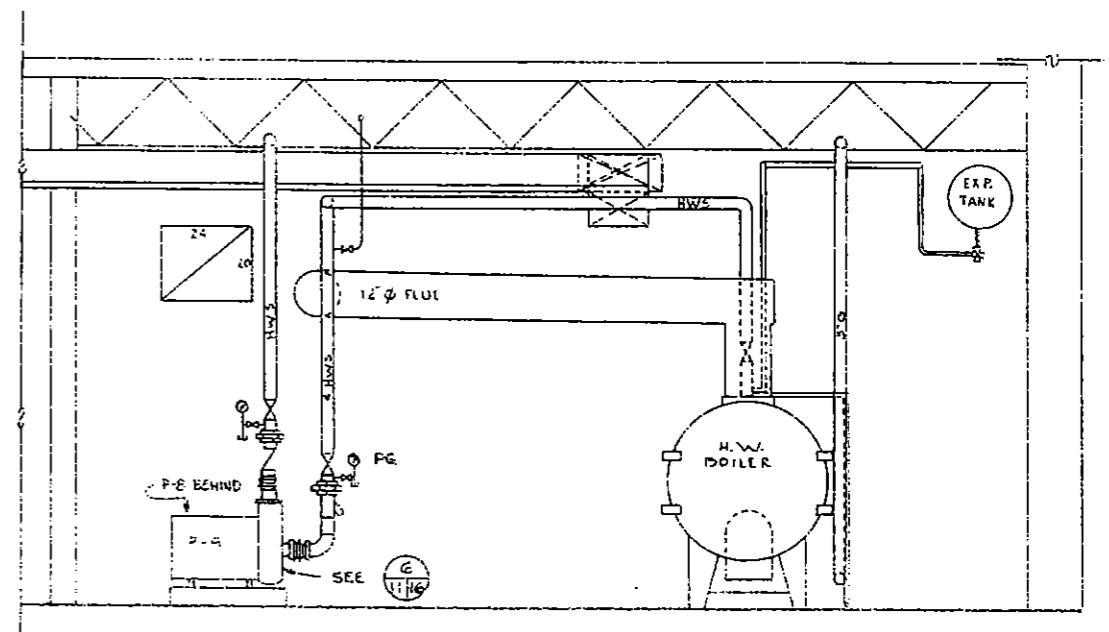
TYPICAL TRANSFER DUCT FOR FIRST FLOOR CORRIDOR  
SCALE: 1/2"=1'-0"



SECTION H  
SCALE: 1/2"=1'-0"



SECTION G  
SCALE: 1/2"=1'-0"



SECTION J  
SCALE: 1/2"=1'-0"

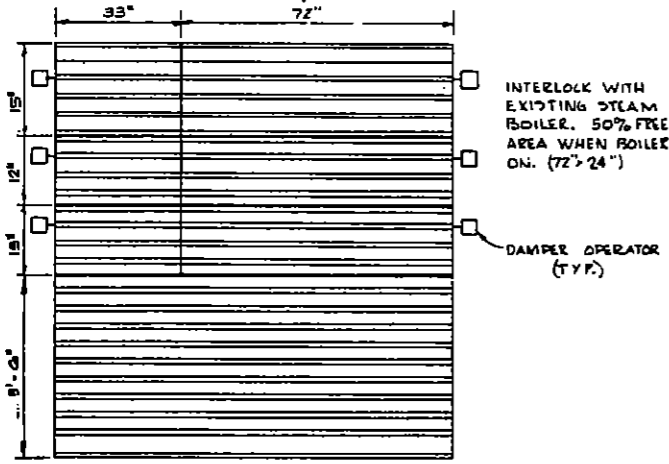
REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB MECHANICAL ROOM & CORRIDOR SECTIONS				
MADISON, WISCONSIN				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
11/76	WG/TP	C.D.O.	D.G.	DEC-WI-927-64.0



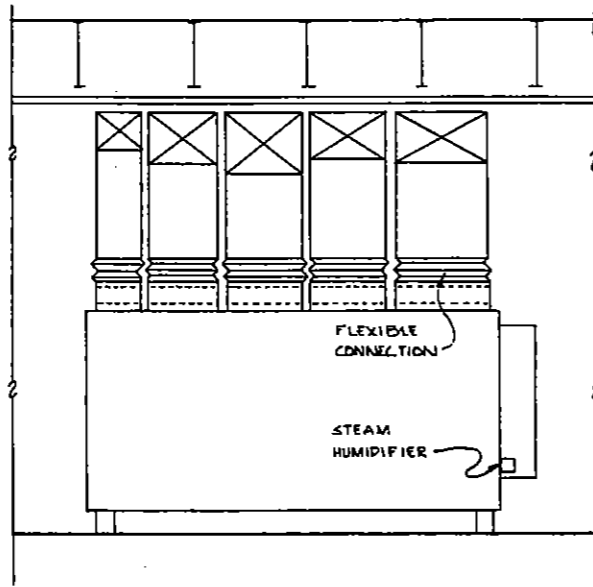
INTERLOCK W/HOT WATER HEATER. 25% FREE AREA WITH HEATER ON (24" x 24")

INTERLOCK W/STANDBY GENERATOR. 50% FREE AREA WHEN GEN. ON. TWO DAMPER OPERATORS (105" x 18")

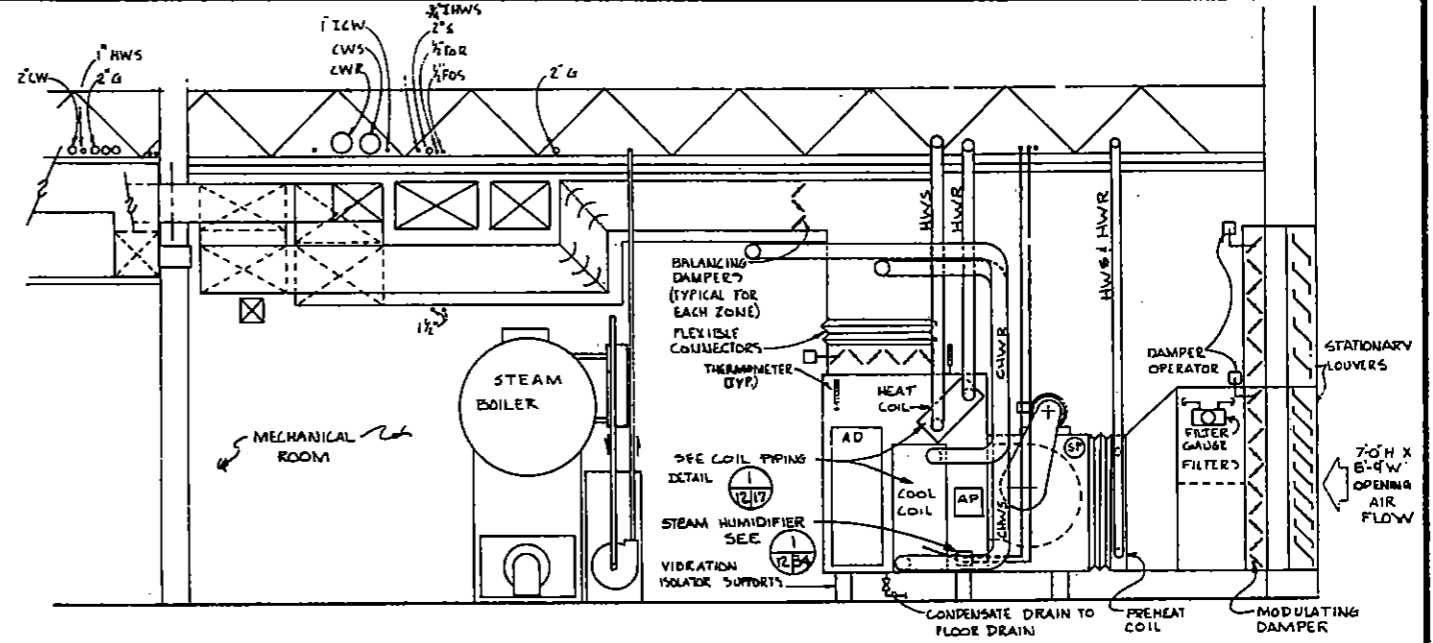
INTERLOCK W/NEW STEAM BOILER. 50% FREE AREA WHEN BOILER ON. TWO DAMPER OPERATORS (105" x 18")



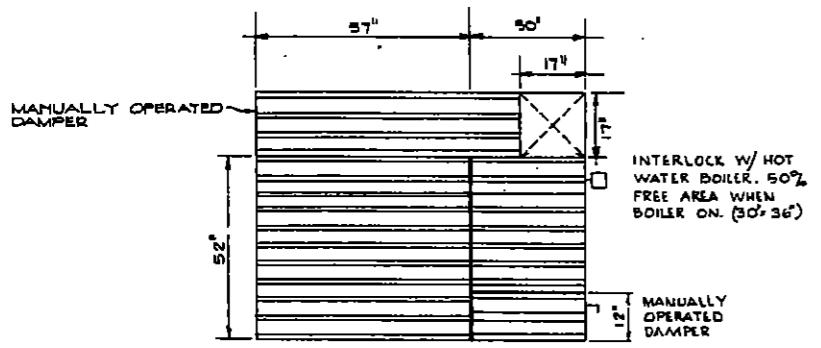
**FS-6. OUTSIDE AIR DAMPER**  
1/2" = 1'-0"



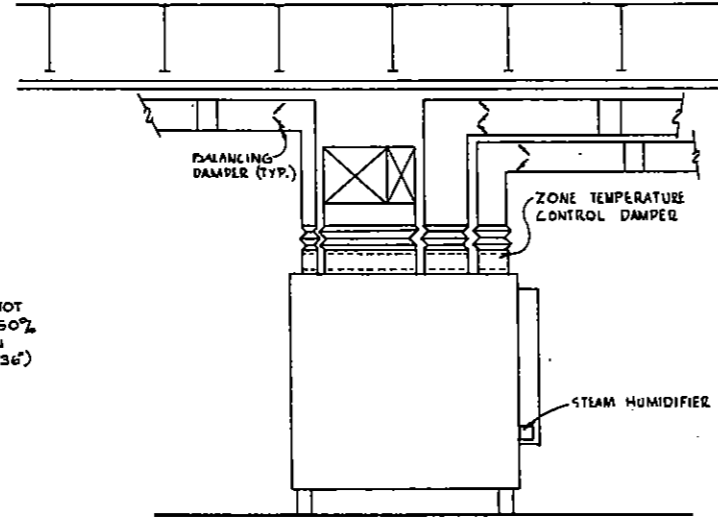
**FS-6 FRONT ELEVATION**  
1/2" = 1'-0"



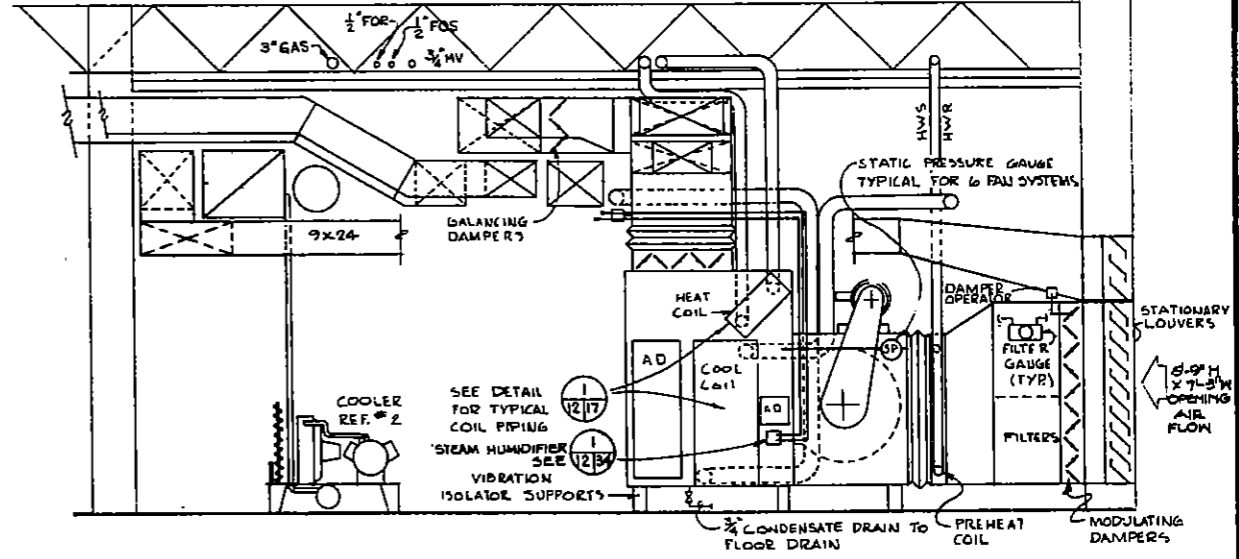
**FS-6 SIDE ELEVATION**  
1/2" = 1'-0" (F) 8/12



**FS-5 OUTSIDE AIR DAMPER**  
1/2" = 1'-0"

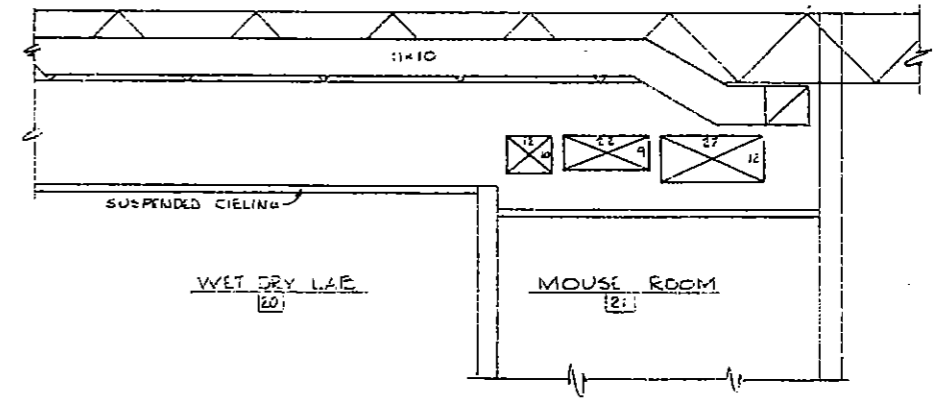


**FS-5 FRONT ELEVATION**  
1/2" = 1'-0"

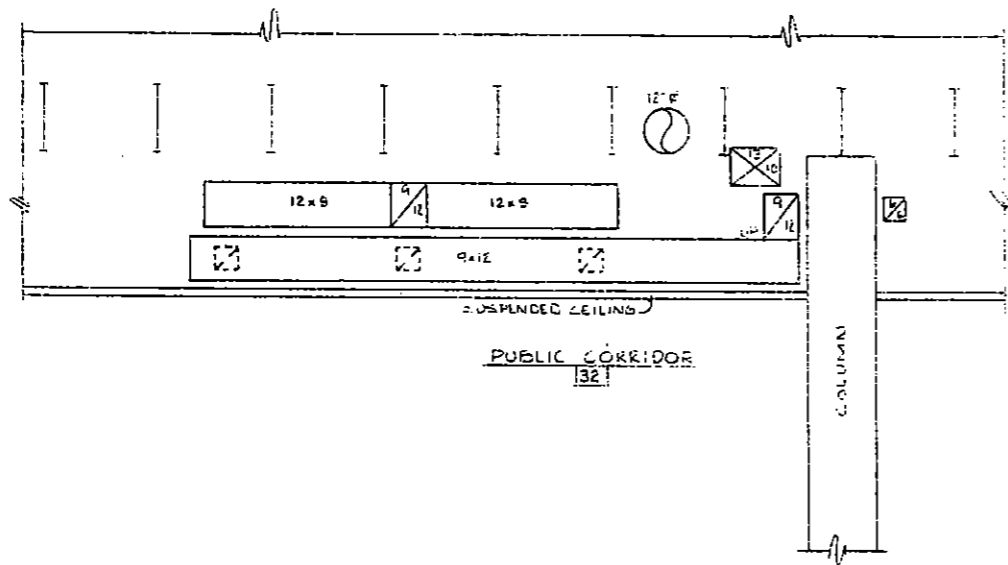


**FS-5 SIDE ELEVATION**  
1/2" = 1'-0" (K) 9/12

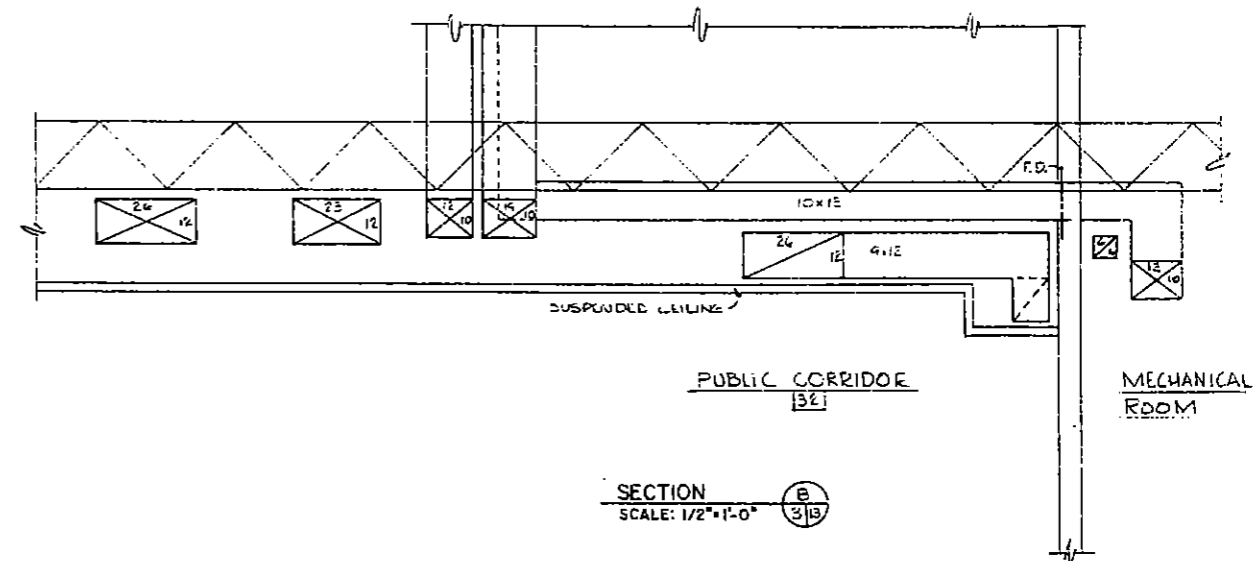
REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB ELEVATIONS				
MADISON, WISCONSIN FAN SYSTEMS FS-5 & FS-6.				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
11/78	WG/WJ	G.P.D.	D.G.	DEC-WI-927-65.0



SECTION A  
SCALE: 1/2"=1'-0" 4/13



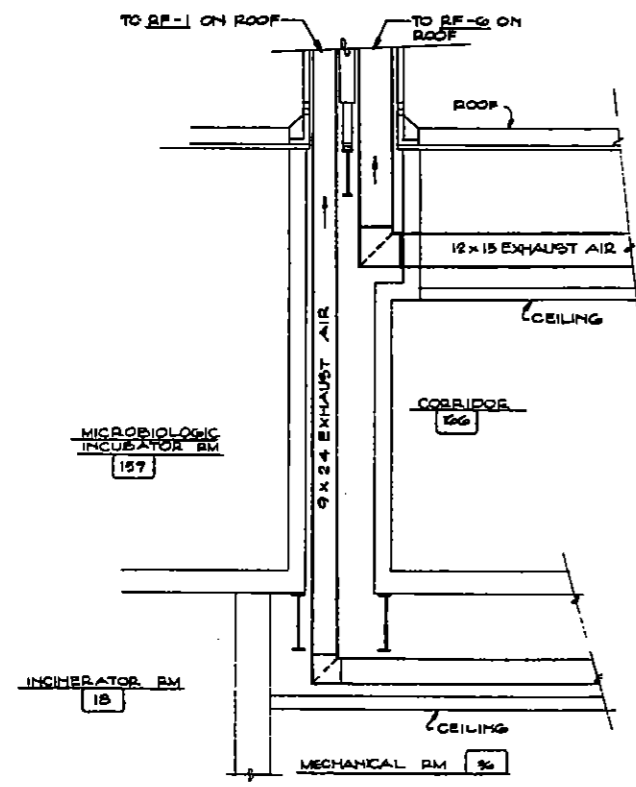
SECTION C  
SCALE: 1/2"=1'-0" 3/13



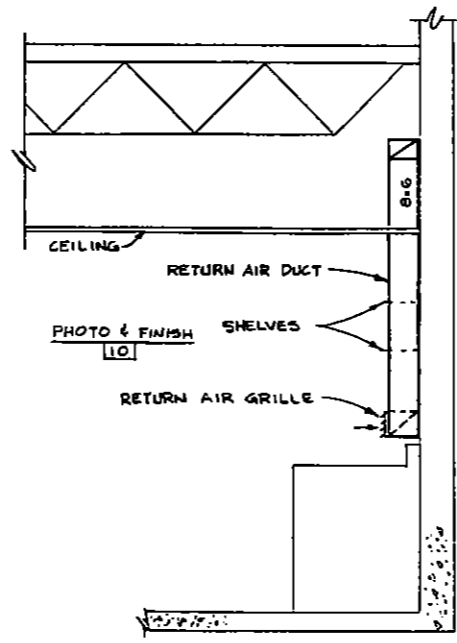
SECTION B  
SCALE: 1/2"=1'-0" 5/13



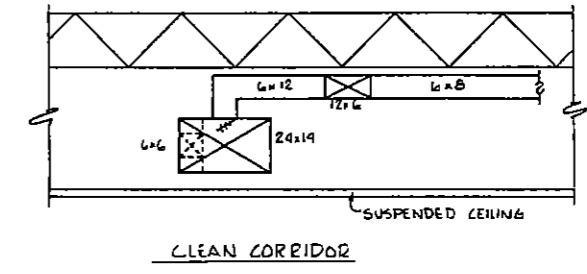
REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB MADISON, WISCONSIN DUCT SECTIONS BASEMENT				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
11/78	WG/WJ	C.D.D.	D.G.	DEC-WI-927-66.0



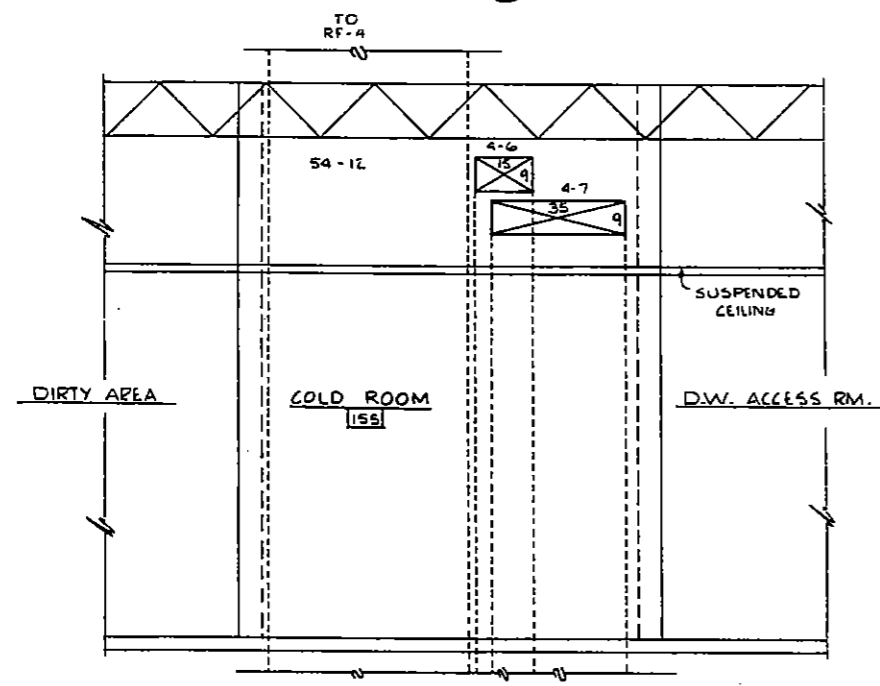
SECTION G  
SCALE: 3/8" = 1'-0"



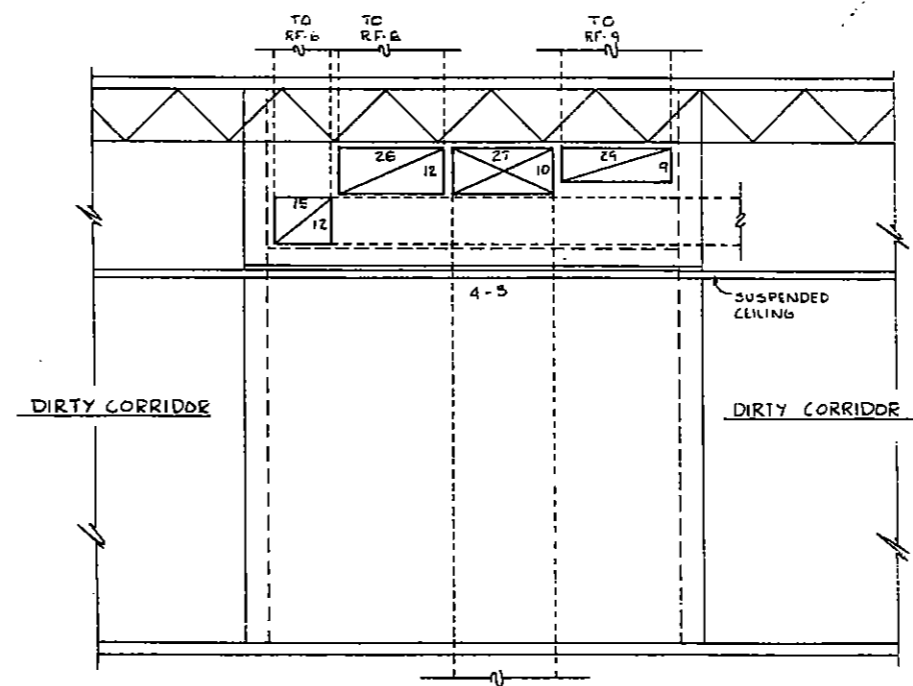
SECTION C  
SCALE: 1/2" = 1'-0"



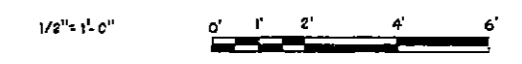
SECTION F  
SCALE: 1/2" = 1'-0"



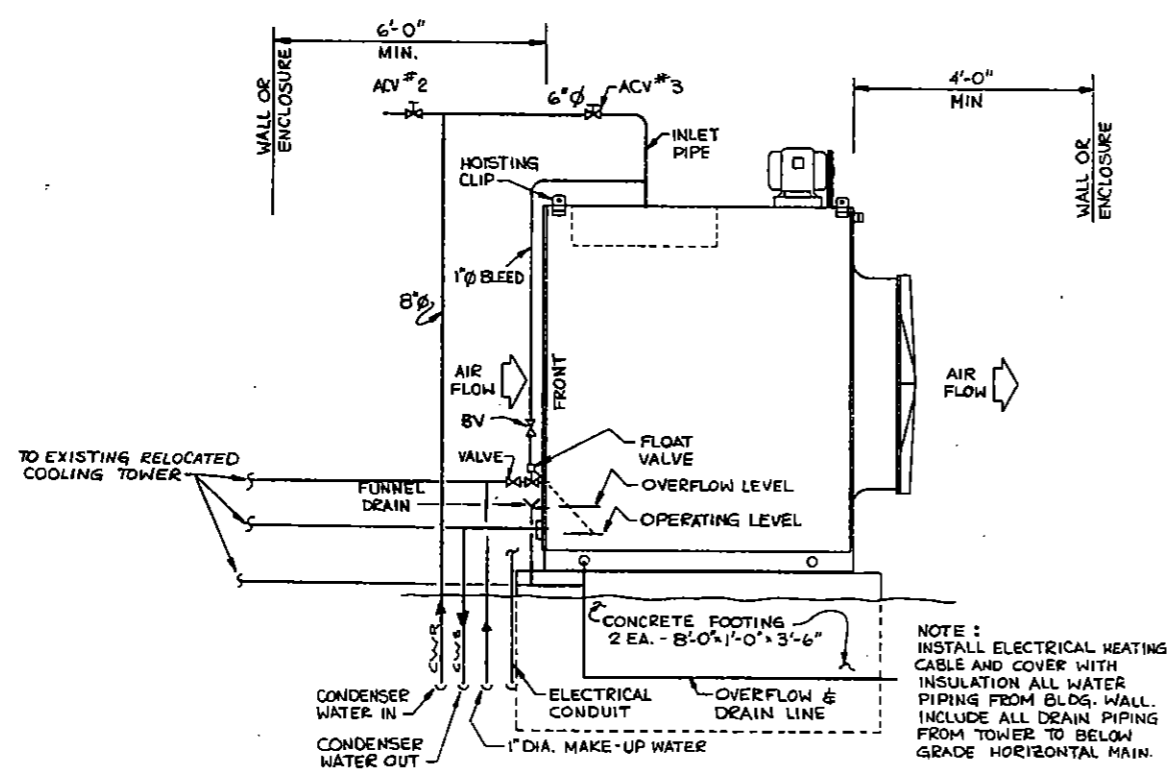
SECTION E  
SCALE: 1/2" = 1'-0"



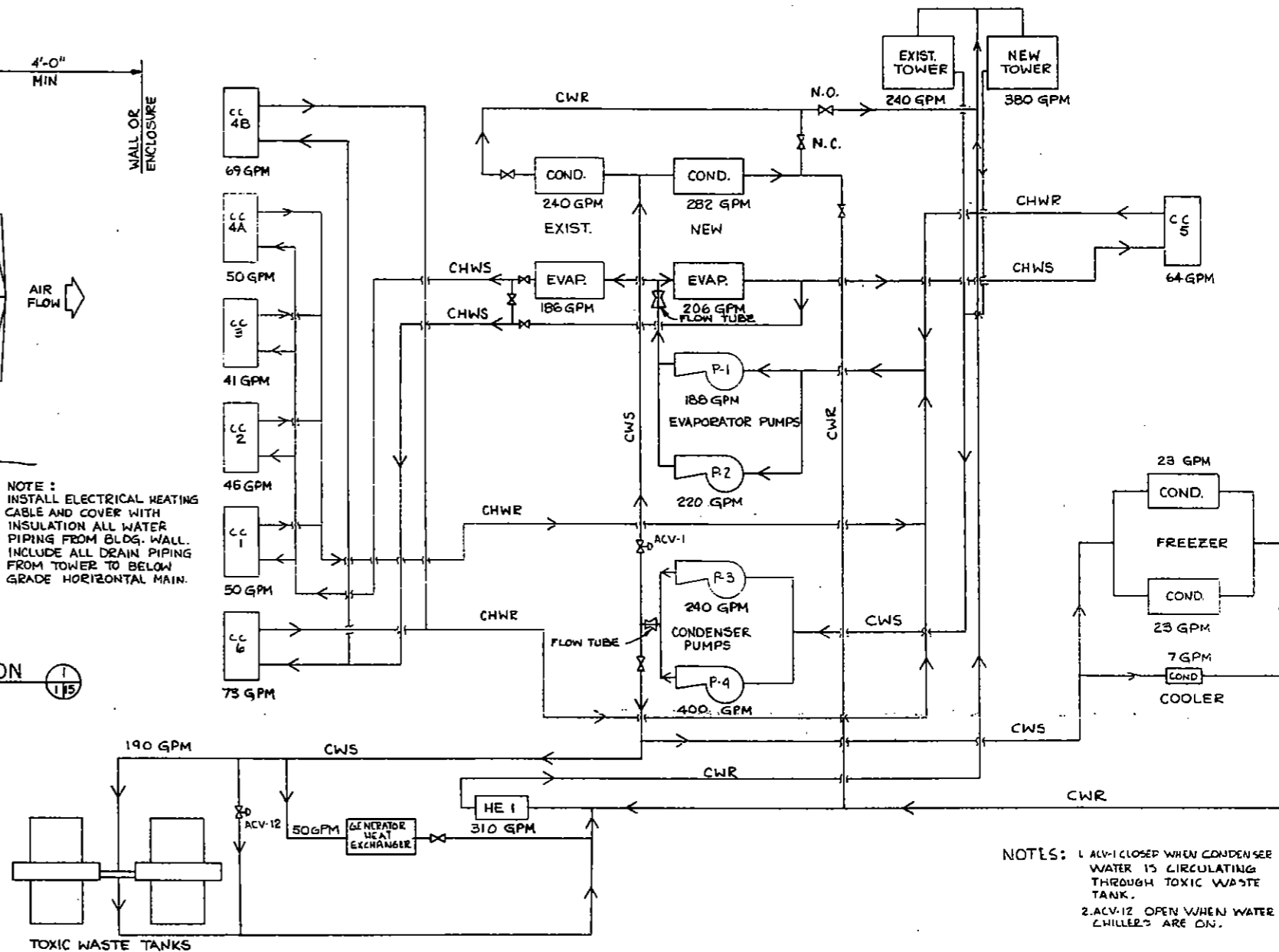
SECTION D  
SCALE: 1/2" = 1'-0"



REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB MADISON, WISCONSIN DUCT SECTIONS FIRST FLOOR				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
11/78	WG/WJ	C.D.D.	D.G.	DEC-WI-927-67.0

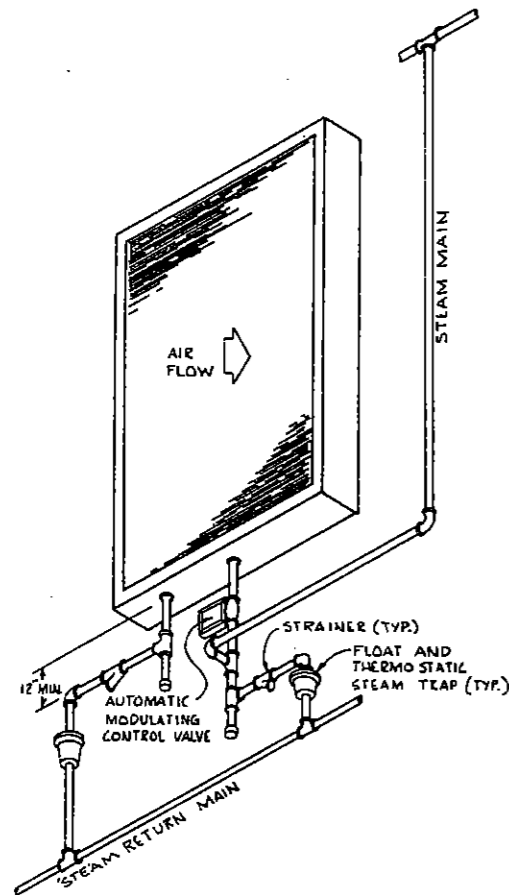


COOLING TOWER SIDE ELEVATION  
NO SCALE

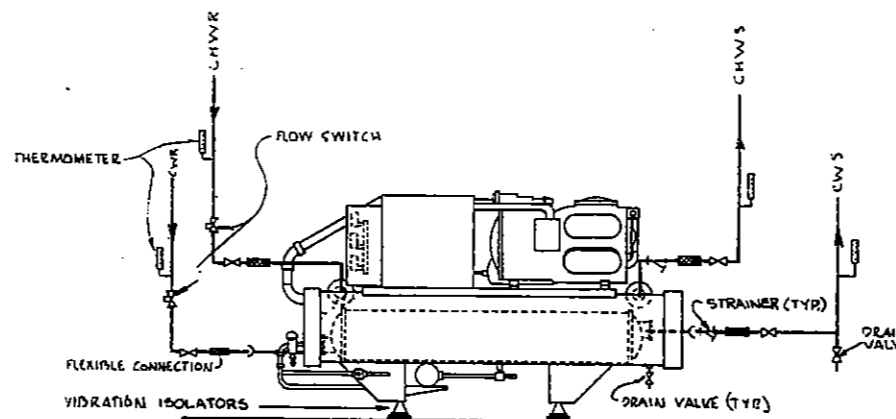


REFRIGERATION FLOW DIAGRAM  
NO SCALE

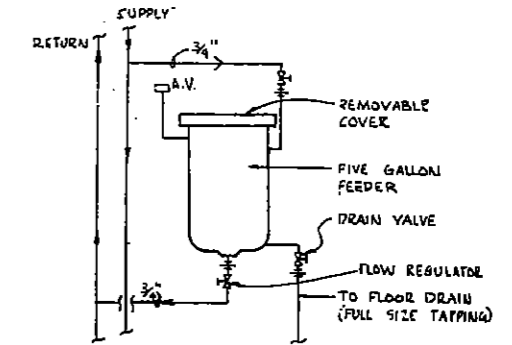
REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB				
MADISON, WISCONSIN				
REFRIGERATION FLOW DIAGRAM & COOLING TOWER				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
11/78	HG/TP	KM	D.G.	DEC-WI-927-68.0



STEAM COIL PIPING DETAIL (1) 9/16  
NO SCALE

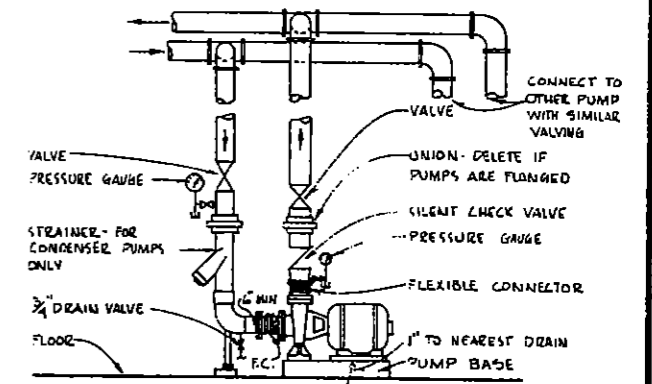


RECIPROCATING CHILLER DETAIL (2) 9/16  
NO SCALE

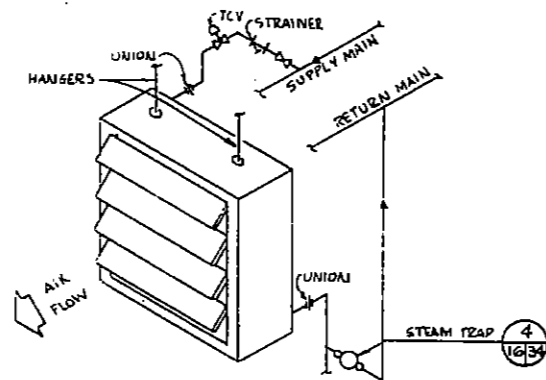


TYPICAL CHEMICAL FEEDER (3) 9/16  
NO SCALE

NOTE:  
TYPICAL FOR HOT,  
CHILLED CONDENSER  
WATER.

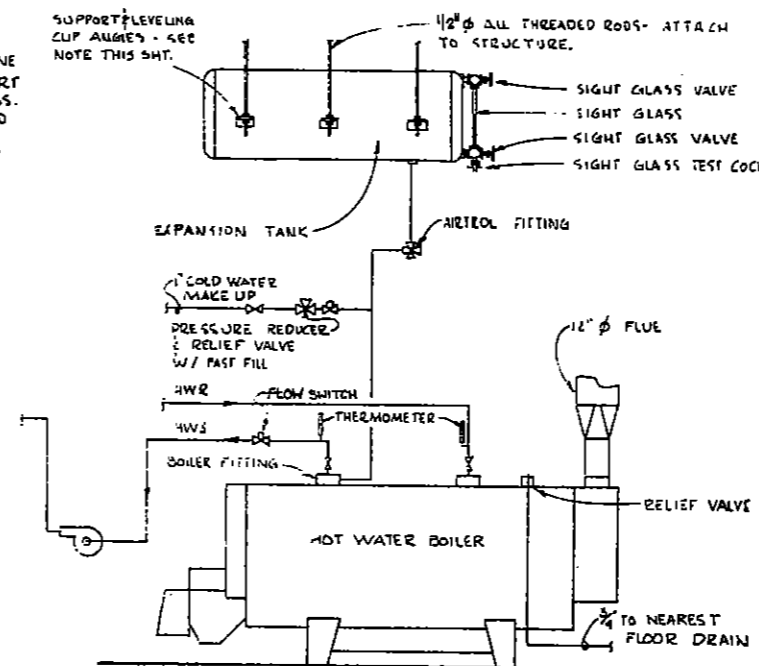


CLOSE COUPLE END SUCTION PUMP (4) 11/16  
NO SCALE



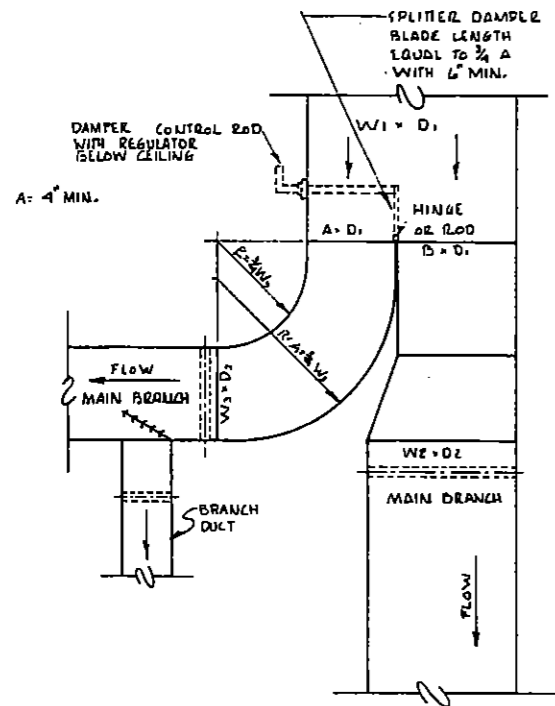
STEAM UNIT HEATER DETAIL (5) 4/16  
NO SCALE

NOTE:  
PROVIDE & INSTALL ONE  
CLIP ANGLE & SUPPORT  
ROD FOR EACH 200 LBS.  
OF WEIGHT CALCULATED  
WITH TANK FULL OF  
WATER. MIN. 4 CLIP  
ANGLES & 4 RODS.

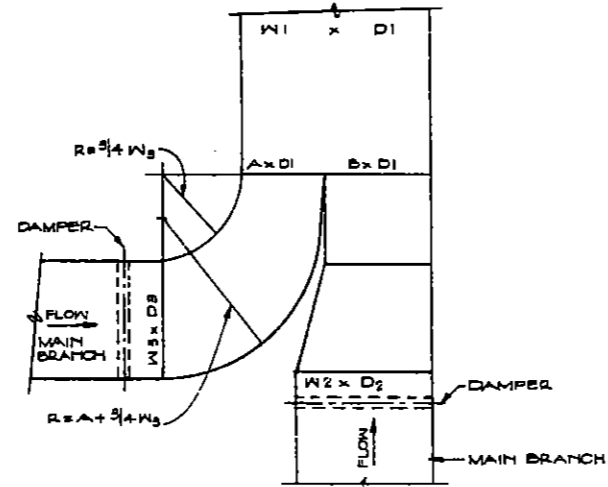


HOT WATER BOILER DETAIL (6) 9/16  
NO SCALE

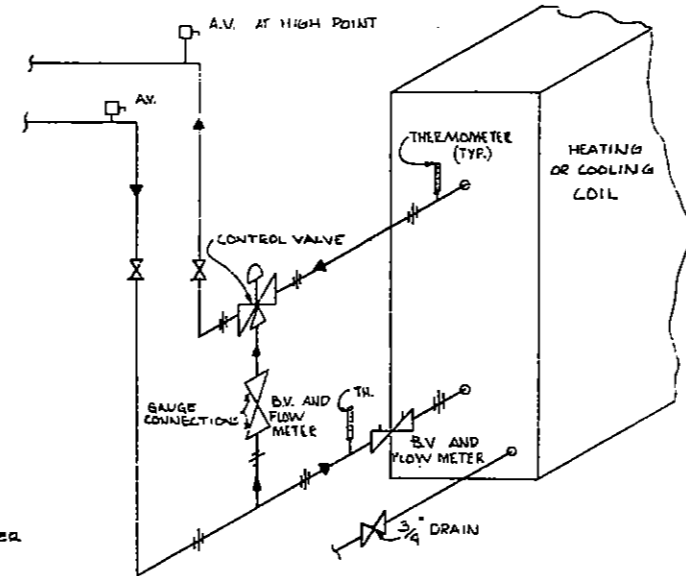
REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB MADISON, WISCONSIN			CHILLER, PUMP HOT WATER BOILER UNIT HEATER	
DATE 11/78	DESIGNED HG/TP	DRAWN C.R.D.	CHECKED D.G.	DRAWING NO. DEC-WI-927-69.0



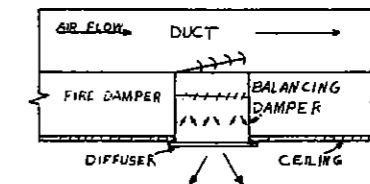
TYPICAL SUPPLY DUCT  
NO SCALE



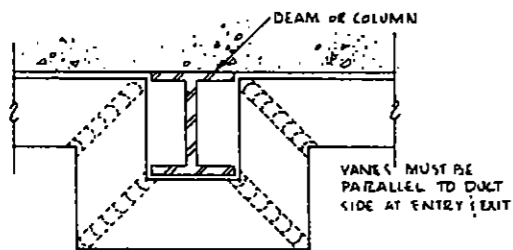
TYPICAL EXHAUST OR RETURN DUCT  
NO SCALE



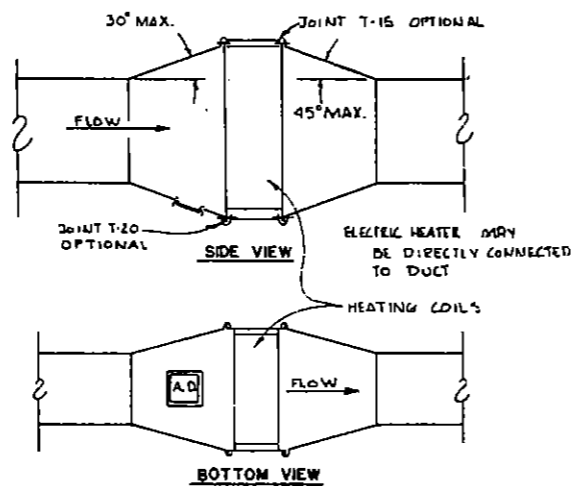
COIL PIPING HOT & CHILLED WATER  
NO SCALE (207)



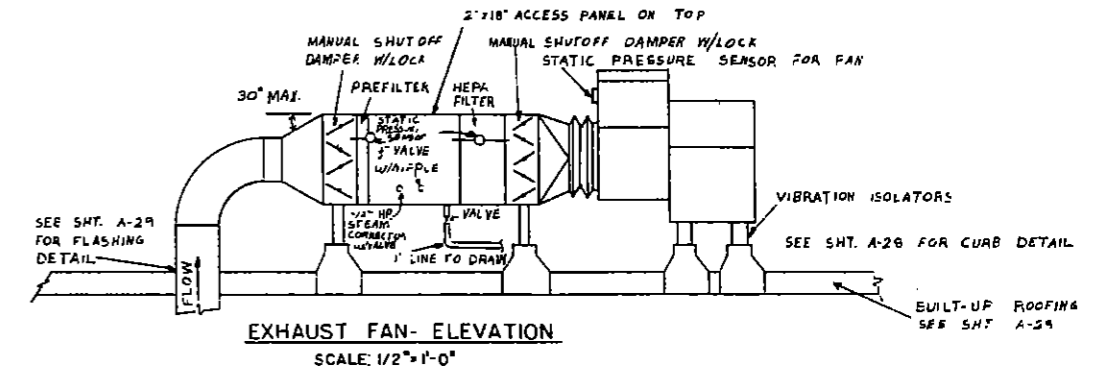
TYPICAL DUCT CONNECTION  
TO CEILING DIFFUSER  
NO SCALE



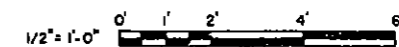
BEAM OR COLUMN OFFSET  
NO SCALE



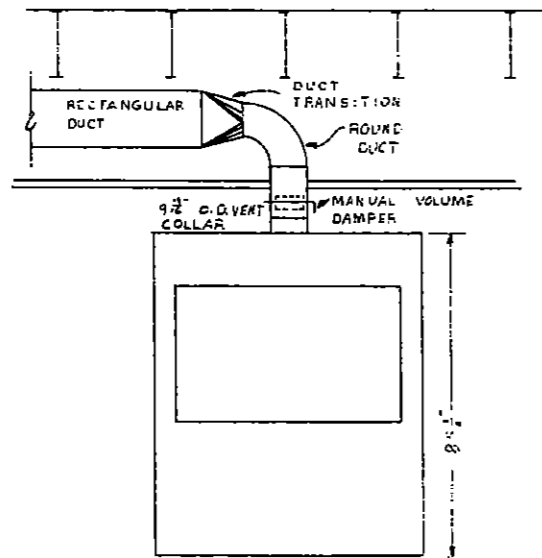
ELECTRIC DUCT HEATER  
NO SCALE (217)



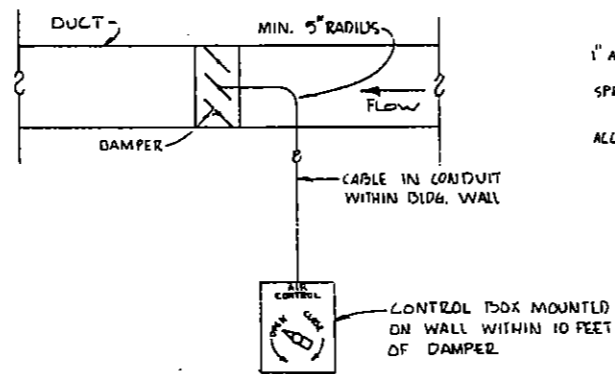
EXHAUST FAN - ELEVATION  
SCALE: 1/2" = 1'-0"



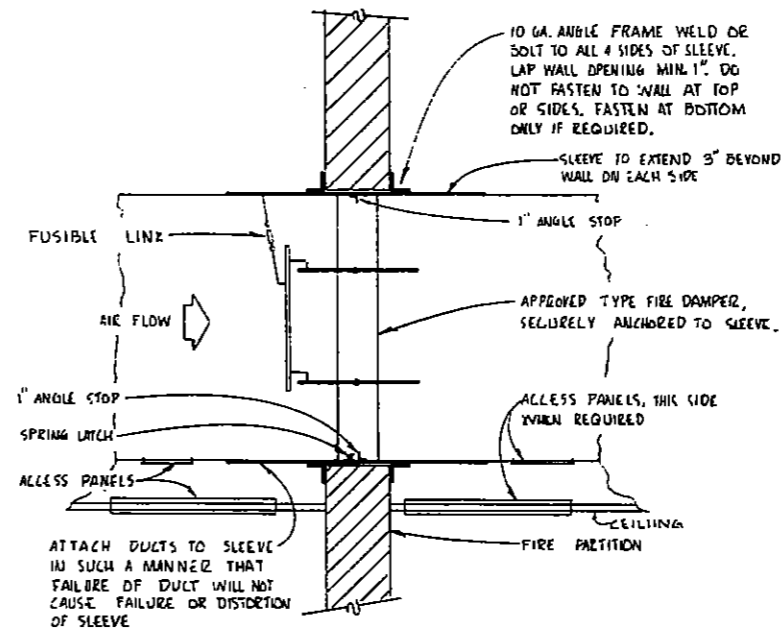
REVISION	STATUS	DATE	DESCRIPTION	BY
<b>NATIONAL WILDLIFE HEALTH LAB</b> <b>MADISON, WISCONSIN</b>				
<b>ROOF FANS</b> <b>COIL PIPING</b> <b>DUCT DETAILS</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
11/78	T.R.	C.D.O.	D.G.	DEC-WI-927-70.C



TYPICAL FUME HOOD ELEVATION 4  
SCALE: 1/2"=1'-0" 51B



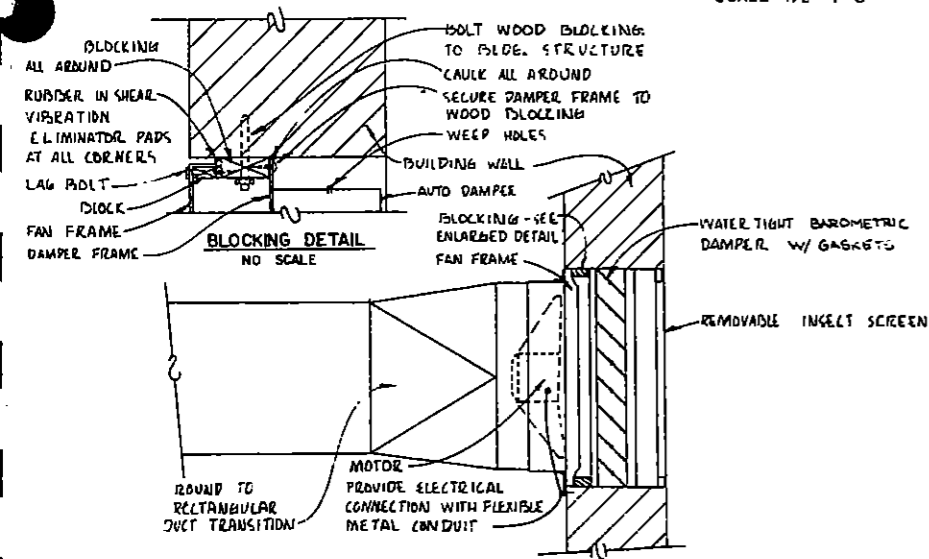
REMOTE VOLUME CONTROL DAMPER - RVC 1  
NO SCALE 41B



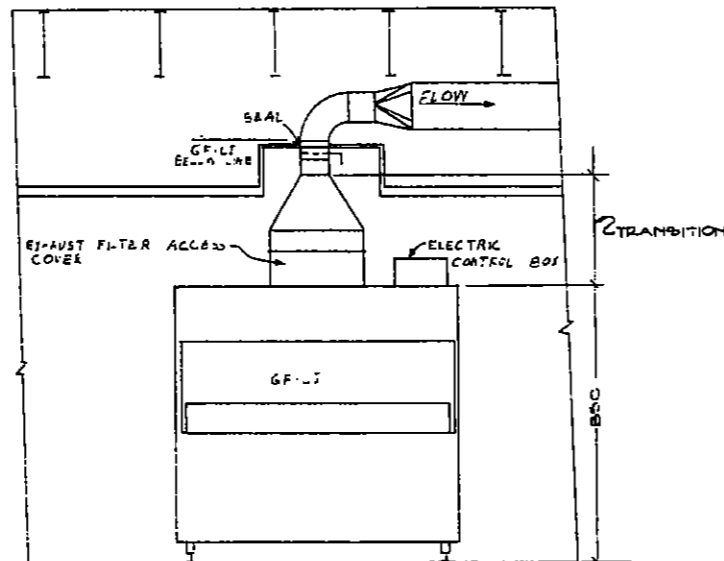
TYPICAL FIRE DAMPER - F.D. 2  
NO SCALE 31B

NOTES

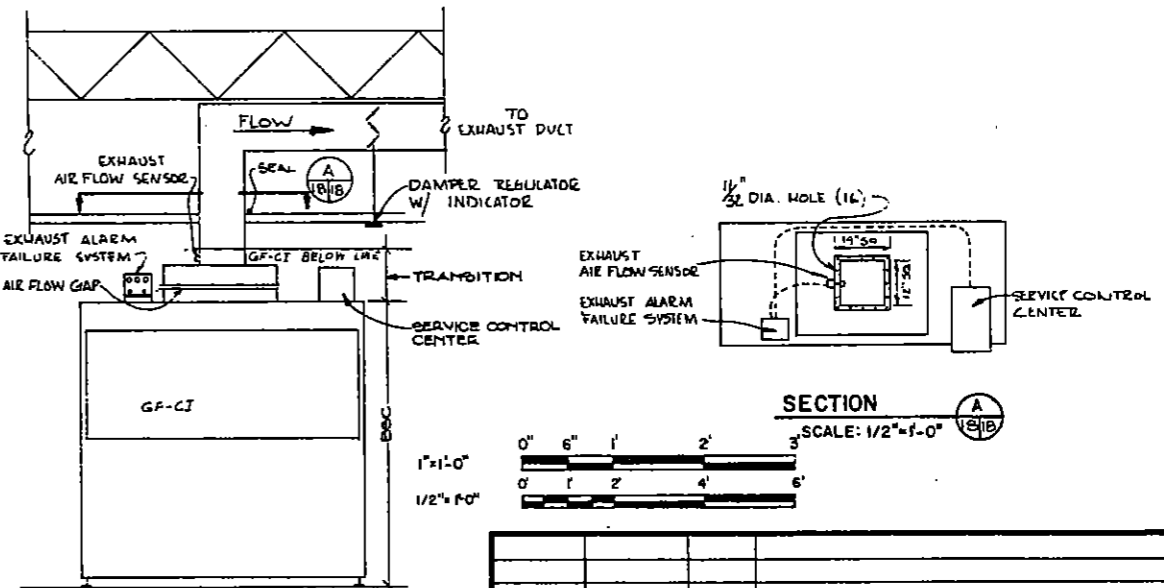
1. OPENING IN WALL - SHOULD EXCEED NET O.D. OF SLEEVE BY 1/8" FOR EACH FOOT OF WIDTH & HEIGHT OF SLEEVE.
2. MULTIPLE SECTIONS - JOIN BY BUTT WELDING CENTER EDGES 5" O.C. WITH 1" LONG WELDS, BOTH SIDES, OR BOLT WITH 1/4" x 20 BOLTS, 6" O.C. ON CENTERLINE OF FLANGE SECTION.
3. OPENING IN COMBUSTIBLE - PROVIDE MIN. 5/8" GYP. BOARD OR EQUIVALENT NONCOMBUSTIBLE PROTECTION BETWEEN SLEEVE AND FRAMING MEMBERS.
4. LOCATE ACCESS PANELS TO INSURE FUSIBLE LINK CAN BE REPLACED EASILY.
5. APPLIES ONLY TO LOW PRESSURE, LOW VELOCITY SYSTEMS AND MAX. 2 HR. RATING FOR FIRE PARTITIONS.
6. LABEL ACCESS PANELS WITH THE WORDS "FIRE DAMPER."
7. SEE MANUFACTURER'S LITERATURE FOR EXACT DIMENSIONS AND DETAILS OF BIOLOGICAL SAFETY CABINETS.



TYPICAL WALL FAN MOUNTING 3  
SCALE: 1"=1'-0" 81B

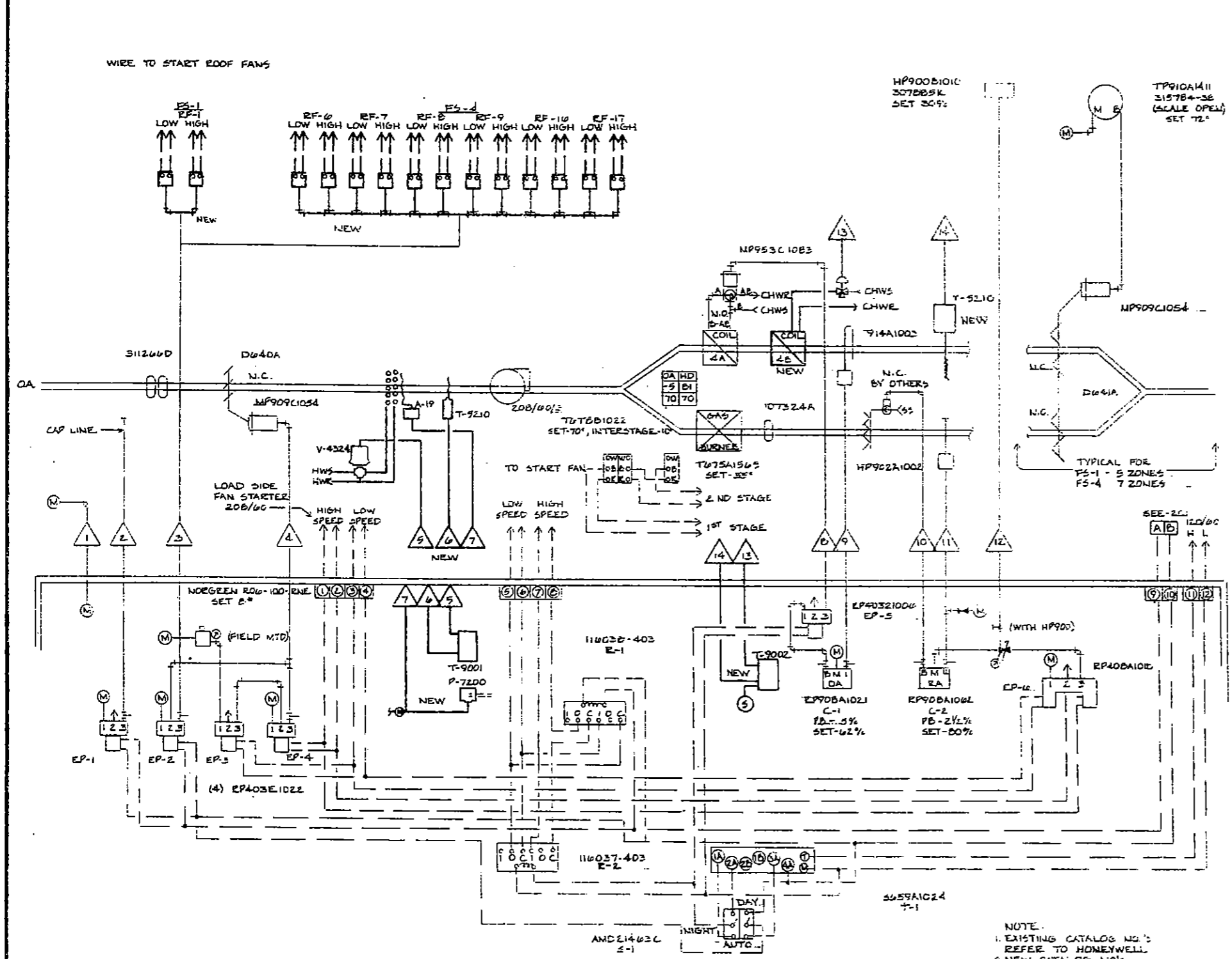


TYPICAL BAKER BIOLOGICAL SAFETY CABINET  
SCALE: 1/2"=1'-0"



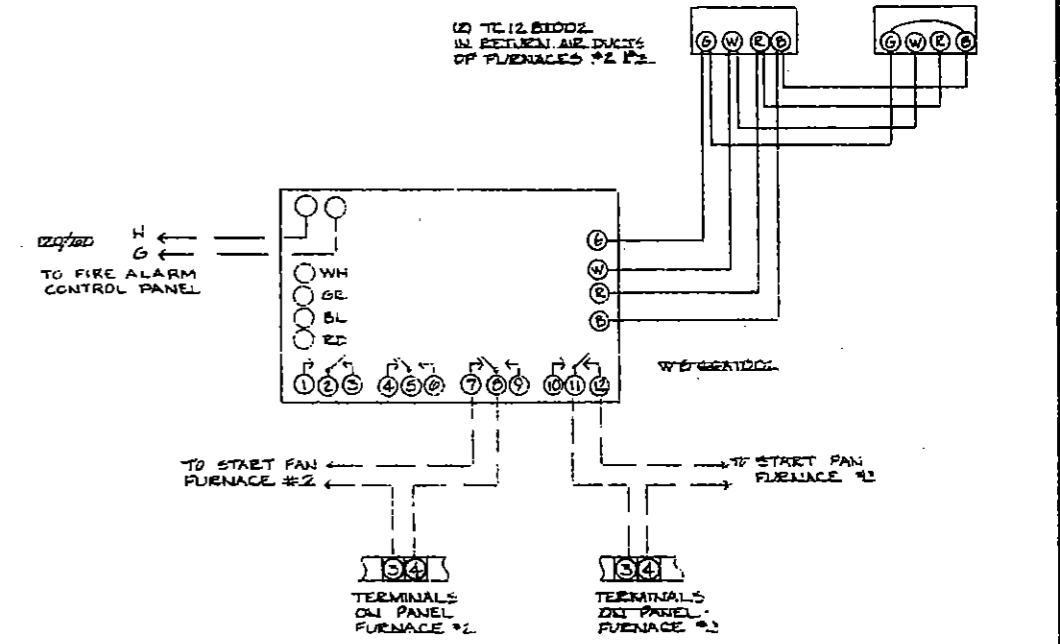
TYPICAL NU-AIRE BIOLOGICAL SAFETY CABINET  
SCALE: 1/2"=1'-0"

REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB				
MADISON, WISCONSIN				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
11/78	T.P.	C.D.	D.G.	DEC-WI-927-71.0

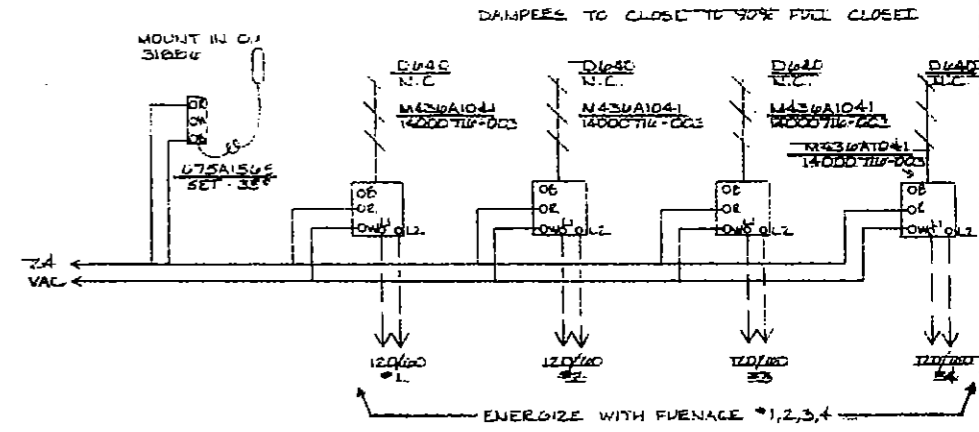


FAN SYSTEMS FS-1 AND FS-4

NOTE:  
 1. EXISTING CATALOG NO.'S REFER TO HONEYWELL  
 2. NEW CATALOG NO.'S REFER TO JOHNSON.  
 STICNTOLS ARE EXISTING EXCEPT WHERE INDICATED AS NEW



SMOKE DETECTION FS-2 & FS-3

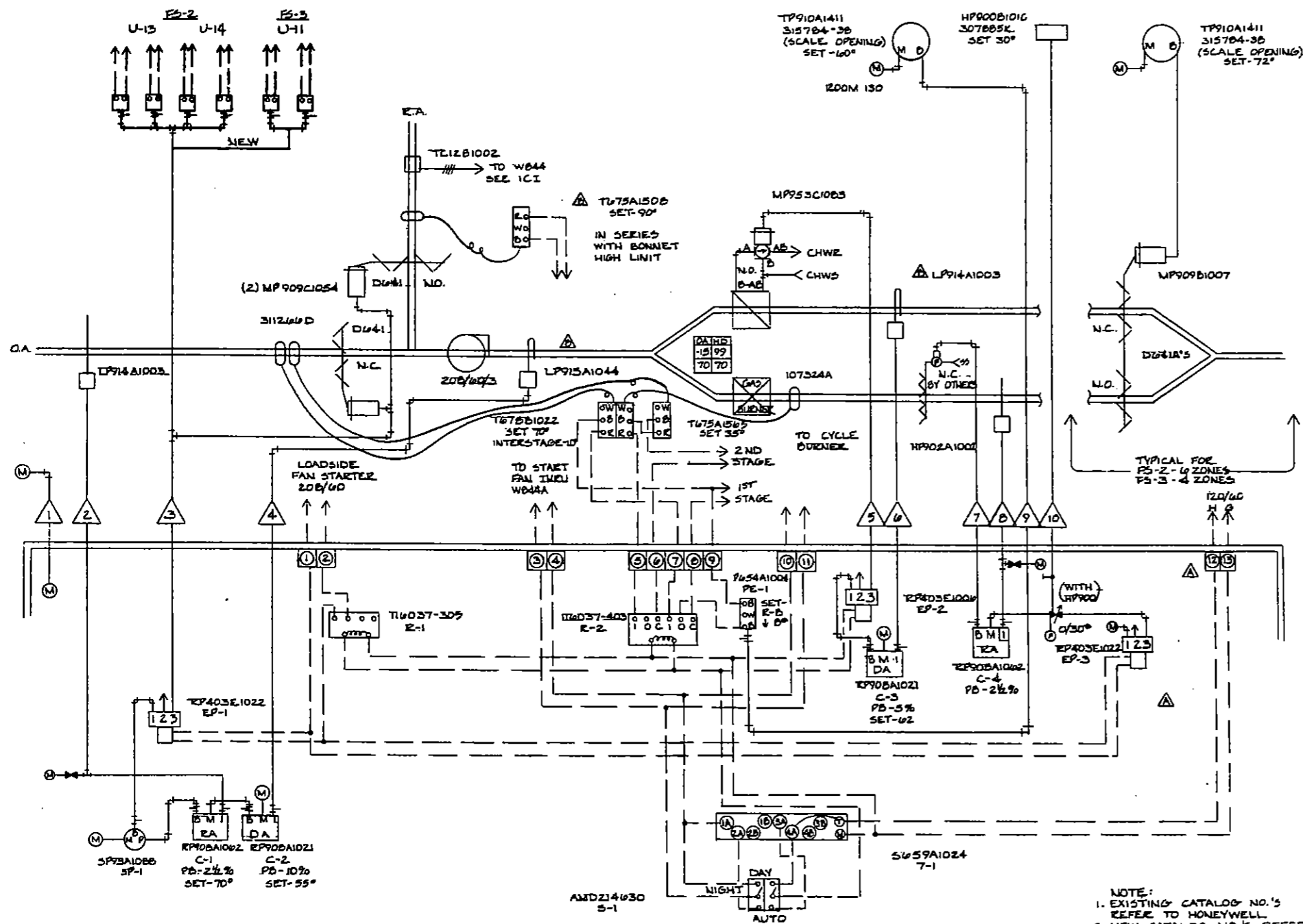


COMBUSTION AIR DAMPERS

REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB MADISON, WISCONSIN				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO
11/78	W.G. T.P.	J.D.	D.G.	DEC - W1-927-72.0



WIRE TO START UTILITY SETS ON ROOF



FAN SYSTEMS FS-2 AND FS-3  
NO SCALE

FS-1 WINTER			
OA	-5°F	35°F	60°F
EA	20%	40%	100%
EA	80%	40%	0%
EA	0%	50%	100%
EACFM	0	2250	4500
MAT	55°F	—	—

FS-2 SUMMER			
OA	80°F	70°F	60°F
EA	20%	60%	100%
EA	80%	40%	0%
EA	0%	50%	100%
EACFM	—	2250	4500

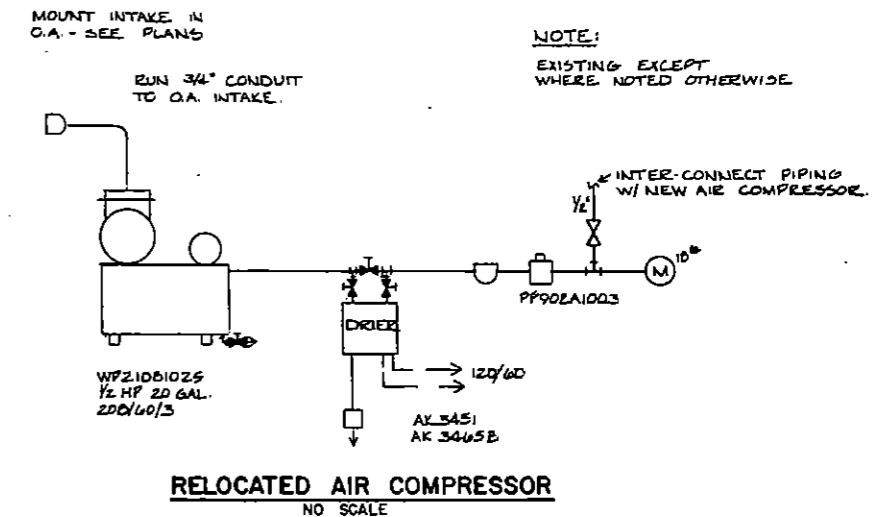
  

FS-3 WINTER			
OA	-5°F	35°F	60°F
EA	50%	75%	100%
EA	50%	25%	0
EA	0%	50%	100%
EACFM	0	750	1500
MAT	55°F	—	—

FS-3 SUMMER			
OA	80°F	70°F	60°F
EA	50%	75%	100%
EA	50%	25%	0%
EA	0%	50%	100%
EACFM	0	250	1500
MAT	70°F	—	—

OA/RA DAMPER SCHEDULE (NEW)

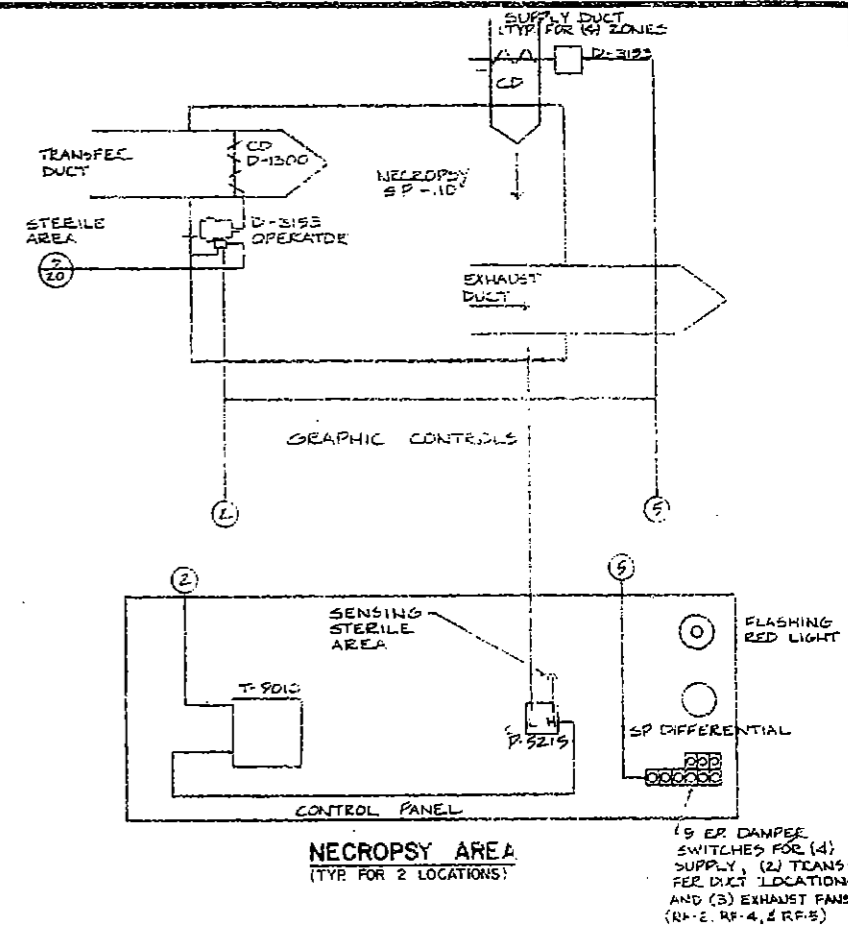
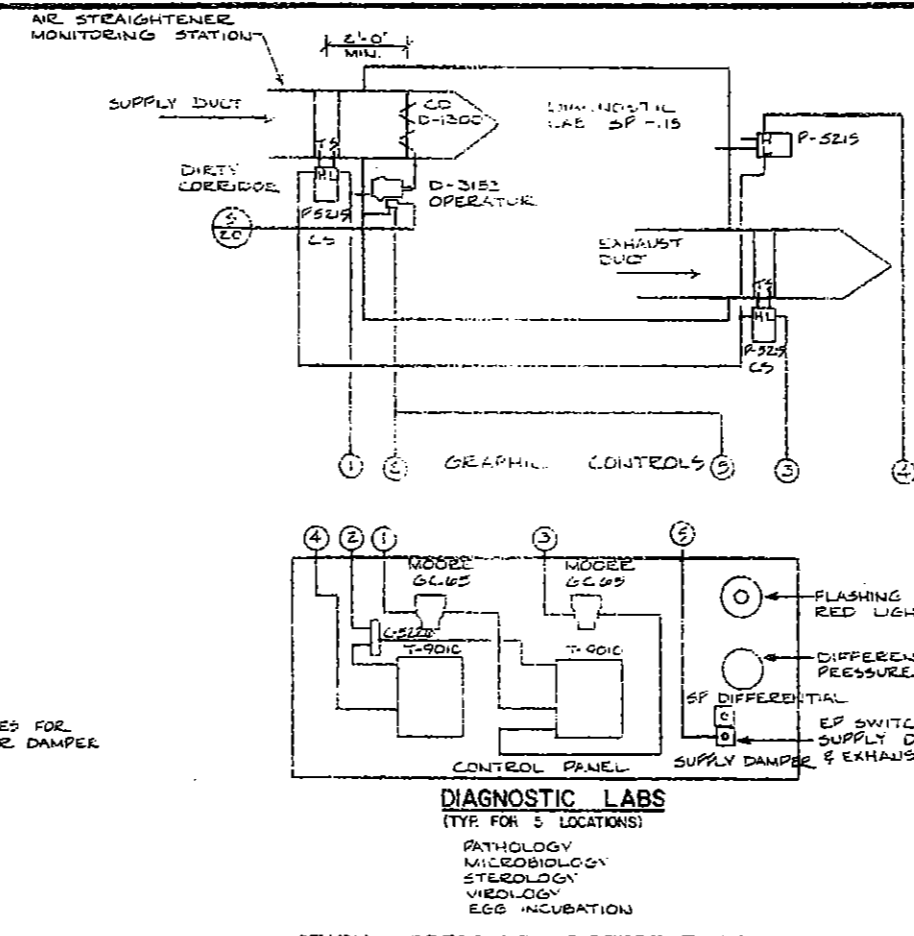
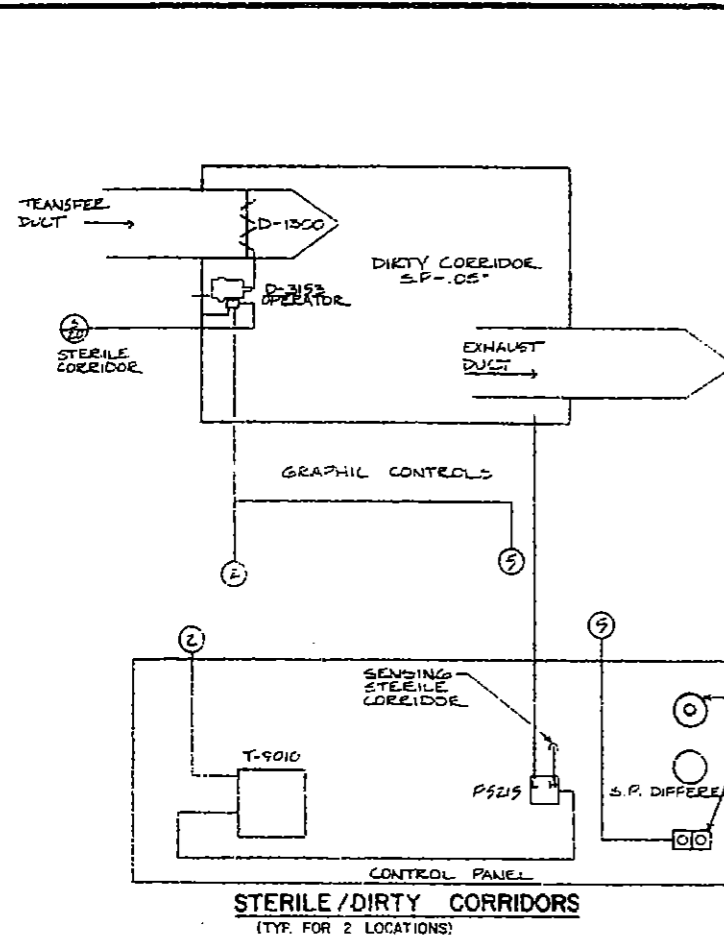


RELOCATED AIR COMPRESSOR  
NO SCALE

REVISION	STATUS	DATE	DESCRIPTION	BY

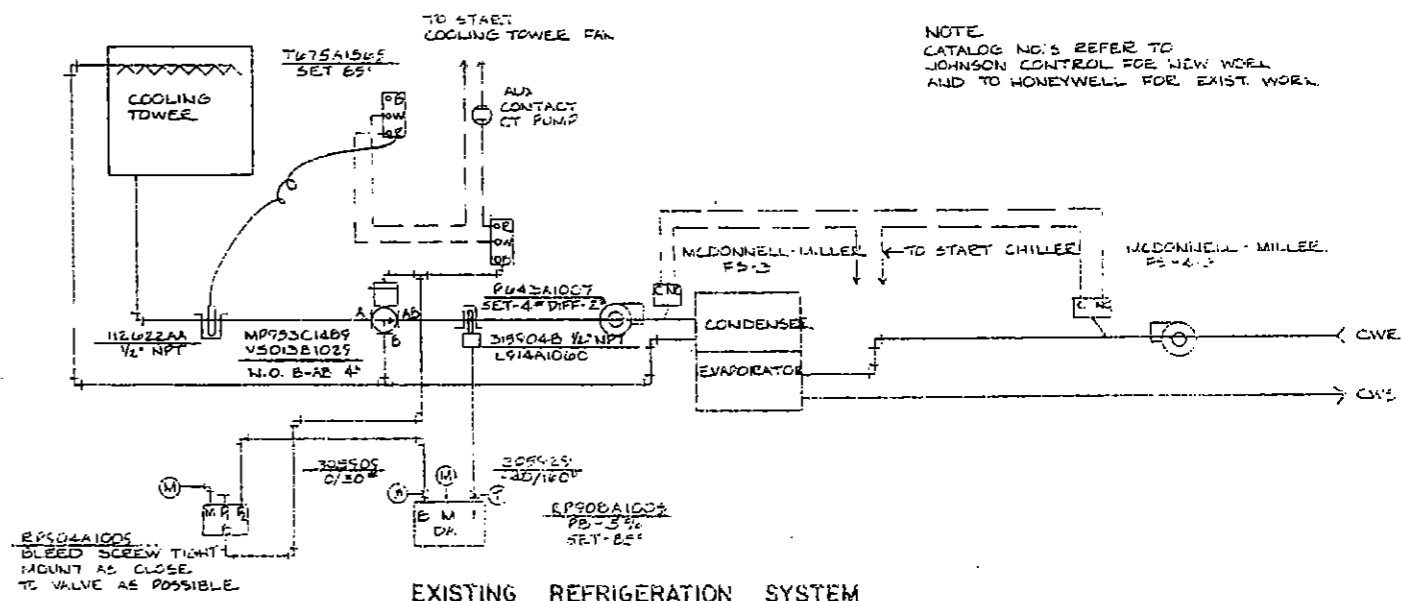
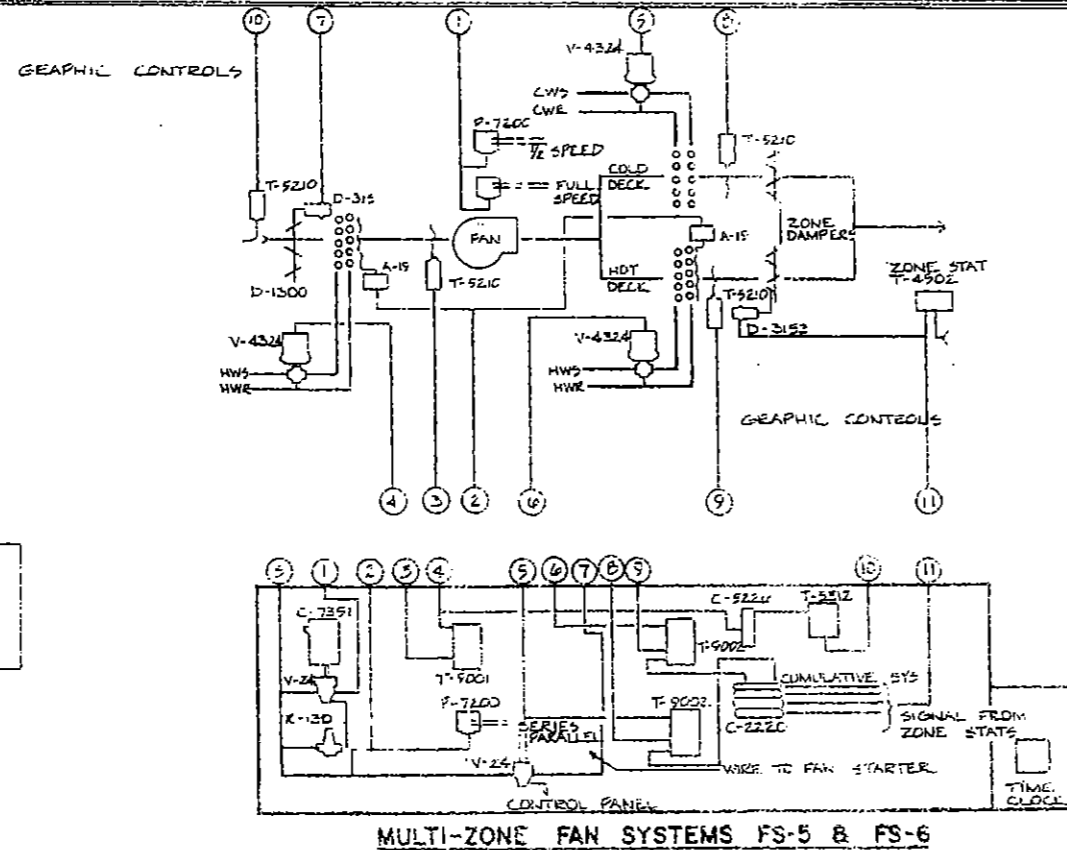
  

NATIONAL WILDLIFE HEALTH LAB		EXISTING TEMPERATURE CONTROLS FOR FS-2 AND FS-3		
MADISON, WISCONSIN				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
8/78	W.G./T.P.	J.D.	W.A.	DEC-WI-927-73.0



**STATIC PRESSURE DIFFERENTIALS**

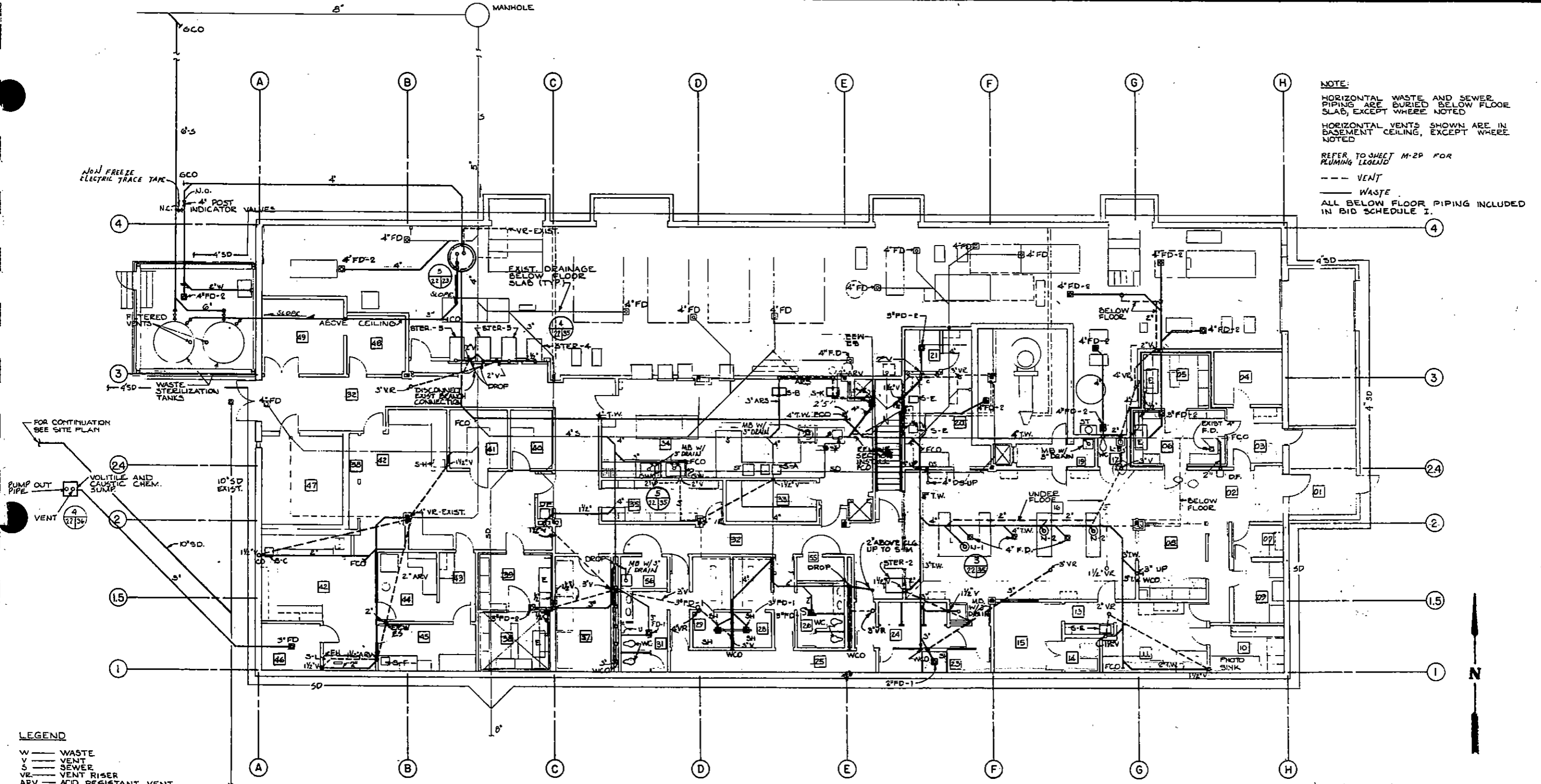
MULTIZONE TEMPERATURE SCHEDULE			
UNIT	COLD DECK		HOT DECK
	TEMP °F	PREHEAT °F	HEAT °F
FS-1	55	40	82
2	55	-	86
3	55	-	98
4	55	40	80
5	54	40	79
6	55	40	80



NOTE:  
CATALOG NO.'S REFER TO  
JOHNSON CONTROL FOR NEW WORK  
AND TO HONEYWELL FOR EXIST. WORK.

**LEGEND:**  
CS - CONTROL SENSOR  
CD - CONTROL DAMPER  
CP - CONTROL PANEL  
S - SUPPLY AIR

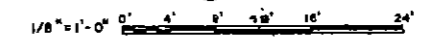
REVISION	STATUS	DATE	DESCRIPTION	BY
<b>NATIONAL WILDLIFE HEALTH LAB</b> <b>MADISON, WISCONSIN</b> <b>CONTROLS FOR STATIC PRESSURES AND FS-5 &amp; FS-6 &amp; REFRIGERATION</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
11/78	W.G.	J.C.	O.G.	DEC-WI-927-74.C



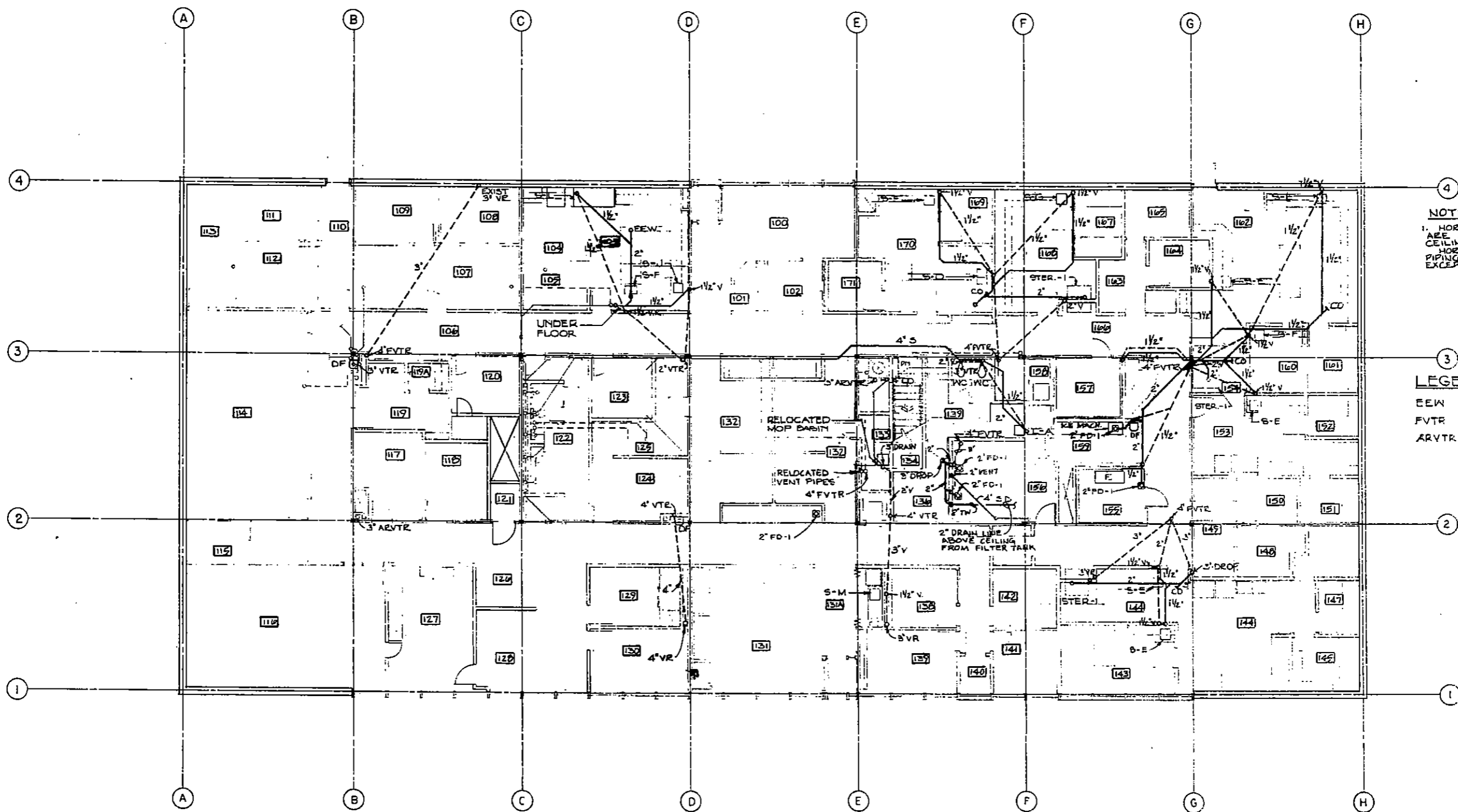
**NOTE:**  
 HORIZONTAL WASTE AND SEWER PIPING ARE BURIED BELOW FLOOR SLAB, EXCEPT WHERE NOTED  
 HORIZONTAL VENTS SHOWN ARE IN BASEMENT CEILING, EXCEPT WHERE NOTED  
 REFER TO SHEET M-29 FOR PLUMBING LEGEND  
 --- VENT  
 — WASTE  
 ALL BELOW FLOOR PIPING INCLUDED IN BID SCHEDULE I.

- LEGEND**
- W — WASTE
  - V — VENT
  - S — SEWER
  - VE — VENT RISER
  - ARV — ACID RESISTANT VENT
  - ARS — ACID RESISTANT SEWER
  - SD — STORM DRAIN
  - MB — MOP DRAIN
  - FD — FLOOR DRAIN
  - WCO — WALL CLEANOUT
  - FCO — FLOOR CLEANOUT
  - EEW — EMERGENCY EYE WASH
  - ES — EMERGENCY SHOWER

**BASEMENT DRAINAGE DIAGRAM**  
 SCALE: 1/8" = 1'-0"

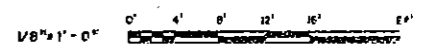


REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB MADISON, WISCONSIN				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
4/78	W.J./W.G.	J.D.	D.G.	DEC. WI. 927-75.0



**NOTES:**  
 1. HORIZONTAL VENTS SHOWN ARE ABOVE FIRST FLOOR CEILING.  
 2. HORIZONTAL WASTE AND SEWER PIPING ARE BELOW FIRST FLOOR EXCEPT WHERE NOTED.

**LEGEND**  
 EEW EMERGENCY EYE WASH  
 FVTR FILTERED VENT THRU ROOF  
 ARVTR ACID RESISTING VENT THRU ROOF



**FIRST FLOOR DRAINAGE DIAGRAM**  
 SCALE: 1/8" = 1'-0"

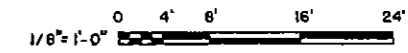
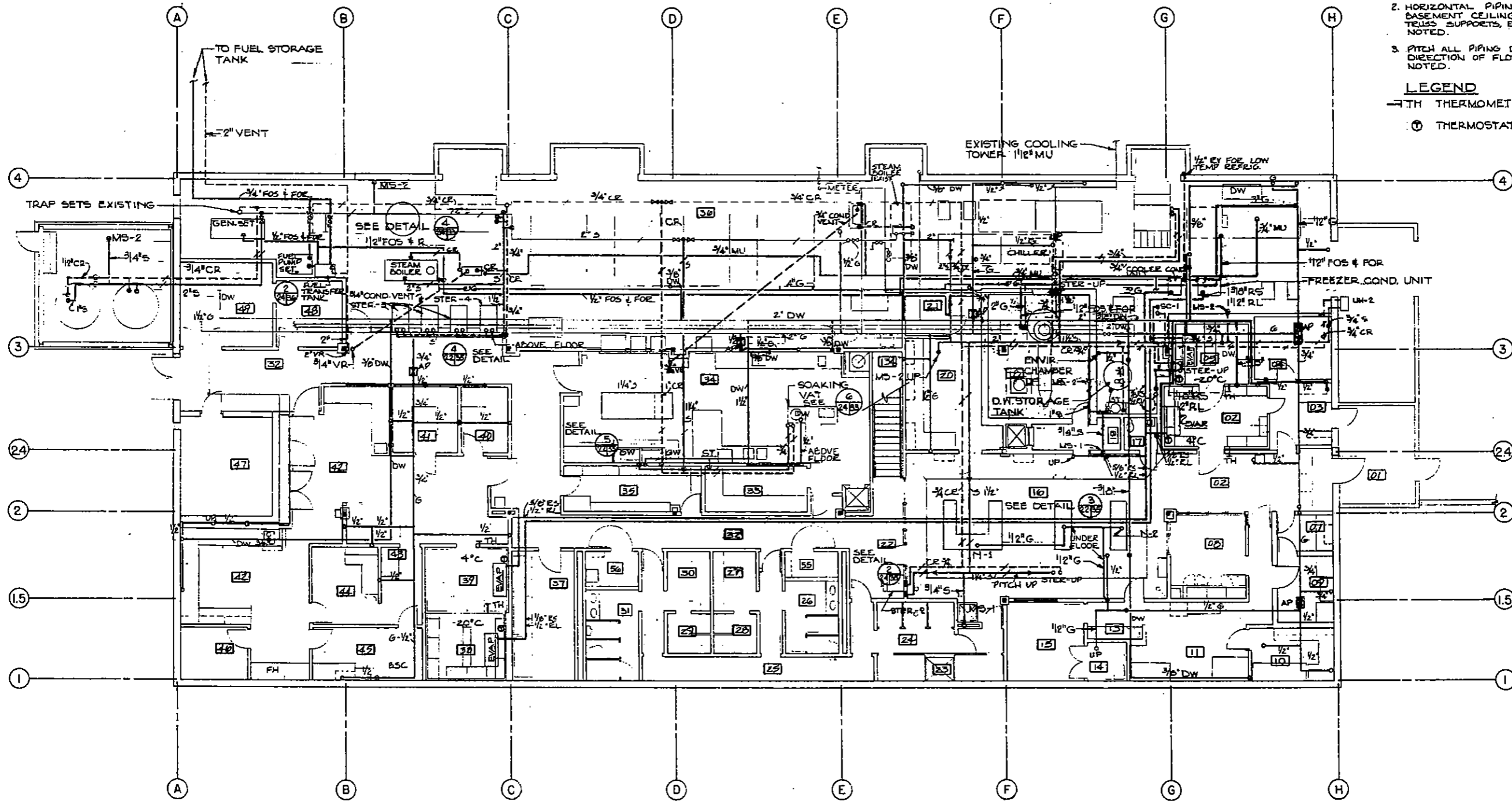
REVISION	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB		FIRST FLOOR DRAINAGE	
MADISON, WISCONSIN			
DESIGNED W.G./W.J.	DRAWN J.D.	CHECKED D.G.	DATE 4/78
		DRAWING NO. DEC-WI-921-76.0	

**NOTES:**

1. REFER TO SHT. NO. M-29 FOR PLUMBING LEGEND.
2. HORIZONTAL PIPING ABOVE BASEMENT CEILING, AND WITHIN TRUSS SUPPORTS, EXCEPT WHERE NOTED.
3. PITCH ALL PIPING DOWN IN DIRECTION OF FLOW, EXCEPT WHERE NOTED.

**LEGEND**

- TH THERMOMETER
- ⊖ THERMOSTAT



**BASEMENT PROCESS PIPING**  
SCALE: 1/8" = 1'-0"

REVISION	STATUS	DATE	DESCRIPTION	BY

NATIONAL WILDLIFE HEALTH LAB  
MADISON, WISCONSIN

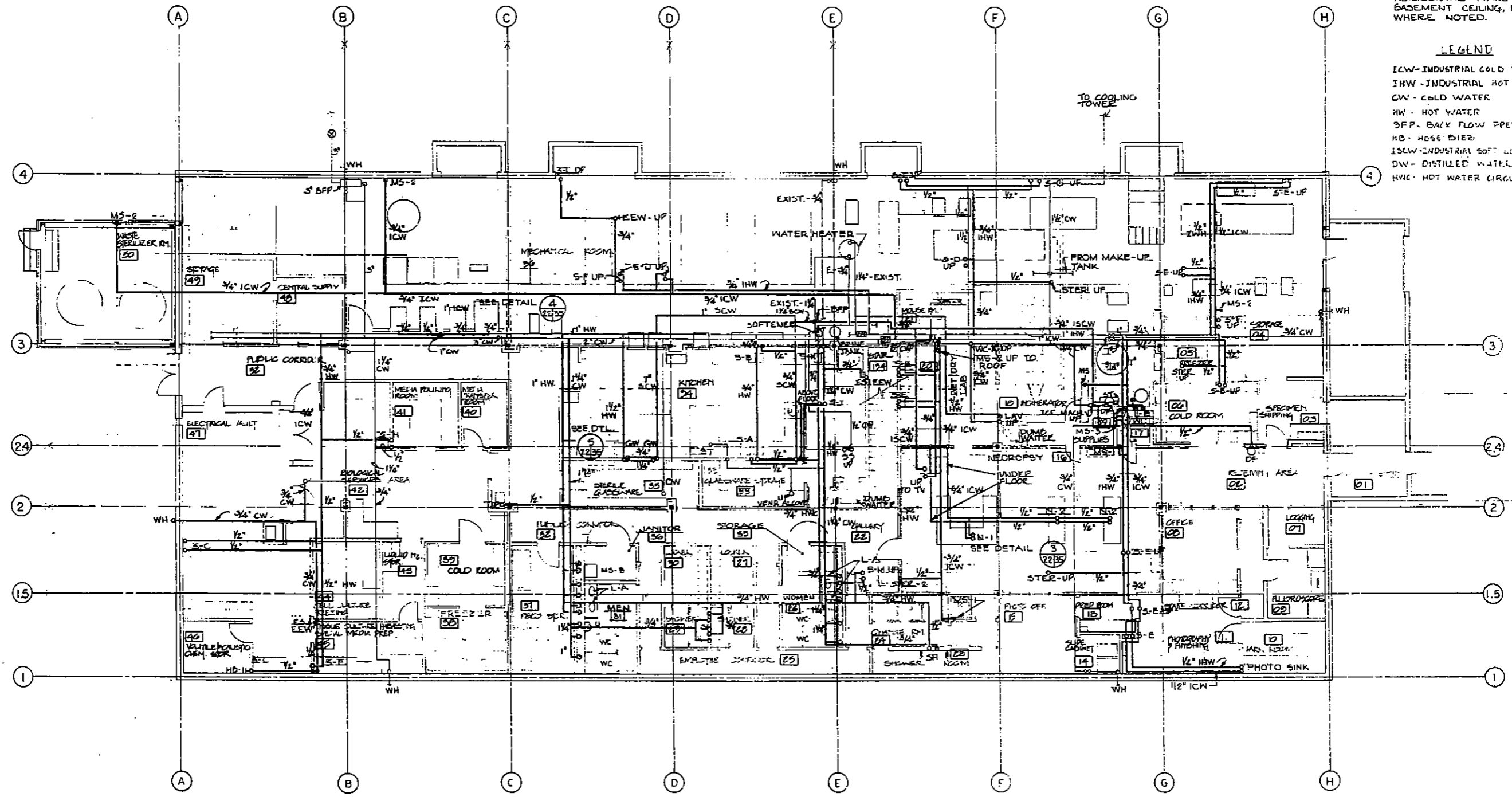
**BASEMENT PROCESS PIPING**

DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
5/78	W.J./W.G.	J.D.	D.G.	DEC-WI-927-77.0

NOTE:  
HORIZONTAL PIPING ABOVE  
BASEMENT CEILING, EXCEPT  
WHERE NOTED.

**LEGEND**

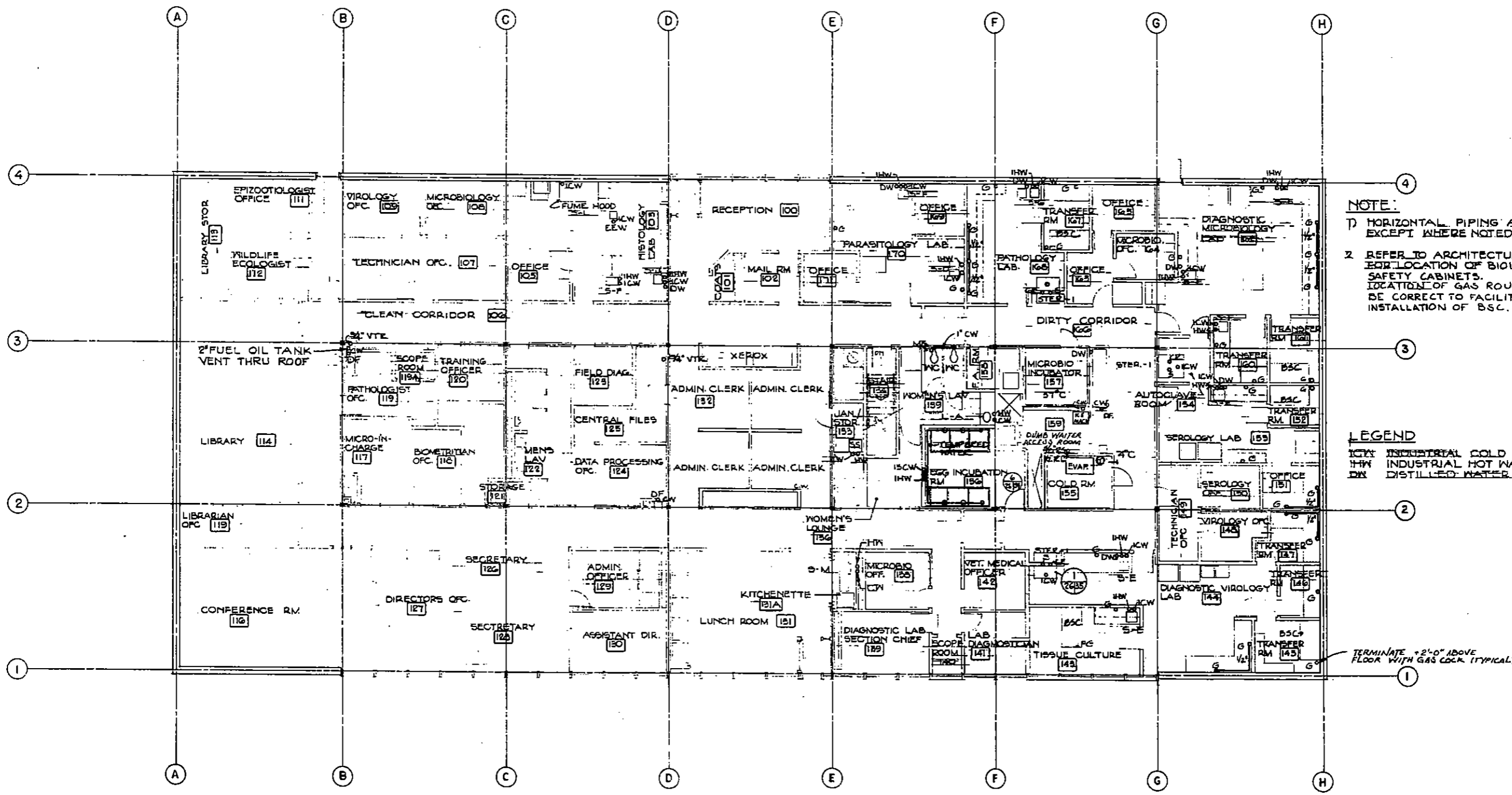
- ICW - INDUSTRIAL COLD WATER
- IHW - INDUSTRIAL HOT WATER
- CW - COLD WATER
- HW - HOT WATER
- BFP - BACK FLOW PREVENTER
- HD - HOSE DIER
- ISCW - INDUSTRIAL SOFT LEAD WATER
- DW - DISTILLED WATER
- HWIC - HOT WATER CIRCULATING



**BASEMENT WATER DISTRIBUTION PIPING**

SCALE: 1/8" = 1'-0"

REVISION	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB			
MADISON, WISCONSIN			
<b>BASEMENT WATER DISTRIBUTION PIPING</b>			
DESIGNED	DRAWN	CHECKED	DATE
W.G./W.J.	J.C.	D.G.	11/78
DRAWING NO. DEC-WI-927-7B.C			



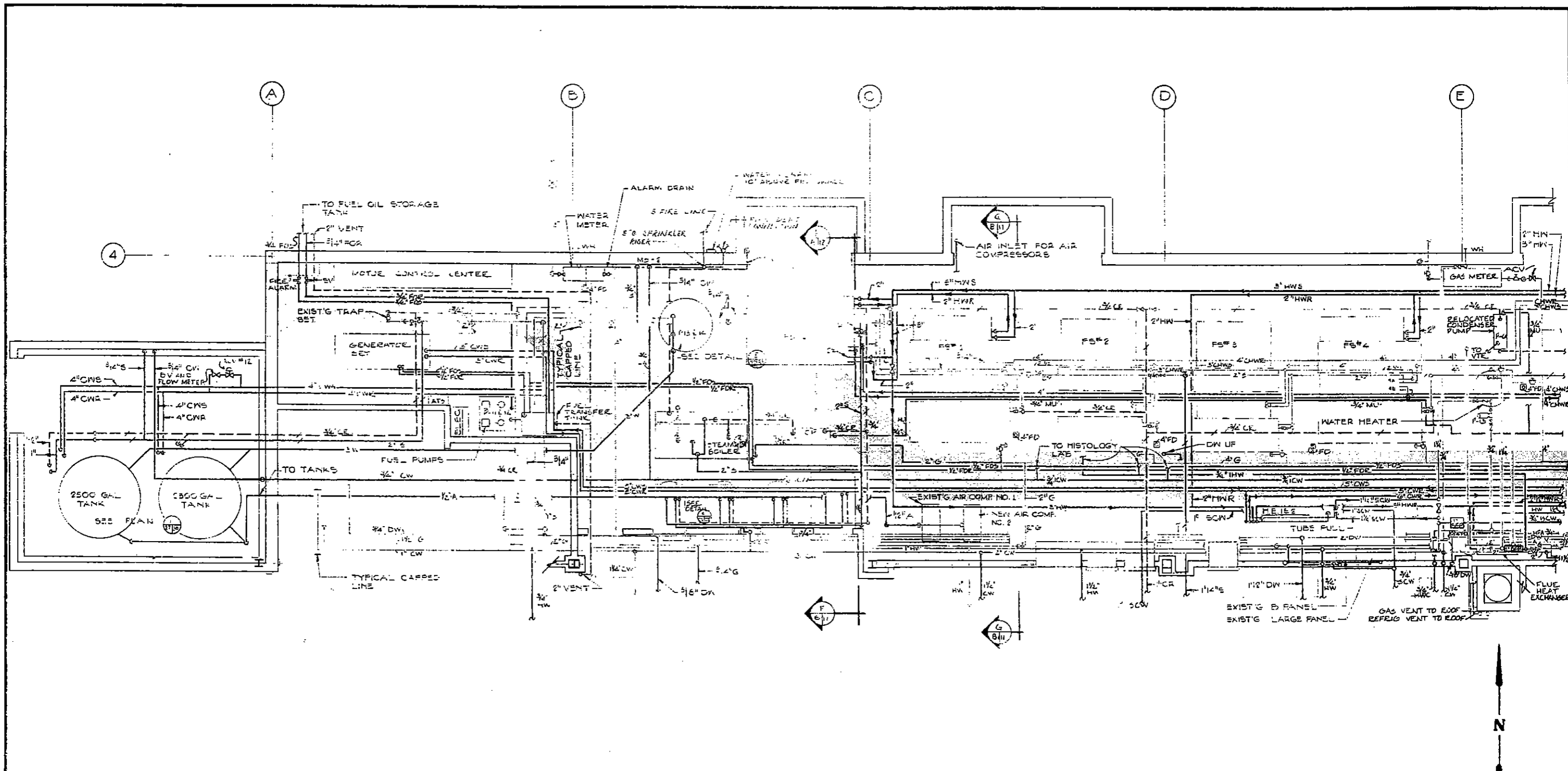
**NOTE:**  
 1 HORIZONTAL PIPING ABOVE FLOOR EXCEPT WHERE NOTED.  
 2 REFER TO ARCHITECTURE DRAWINGS FOR LOCATION OF BIOLOGICAL SAFETY CABINETS. LOCATION OF GAS ROUGH-IN MUST BE CORRECT TO FACILITATE INSTALLATION OF BSC.

**LEGEND**  
 ICW INDUSTRIAL COLD WATER  
 IHW INDUSTRIAL HOT WATER  
 DW DISTILLED WATER

TERMINATE +2'-0" ABOVE FLOOR WITH GAS COCK (TYPICAL)

**FIRST FLOOR WATER DISTRIBUTION & PROCESS PIPING**  
 SCALE: 1/8" = 1'-0"

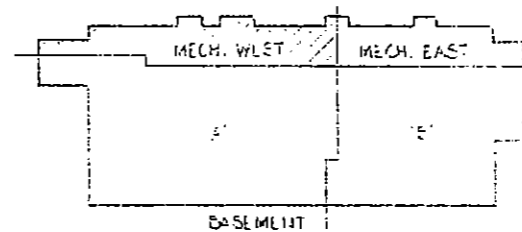
REVISION	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB		FIRST FLOOR WATER DISTRIBUTION & PROCESS PIPING	
MADISON, WISCONSIN			
DESIGNED	DRAWN	CHECKED	DATE
W.J./W.G.	J.D.	D.G.	5/78
DRAWING NO.		DEC. WI. 927-79.0	



**MECHANICAL ROOM PLUMBING PLAN - WEST**

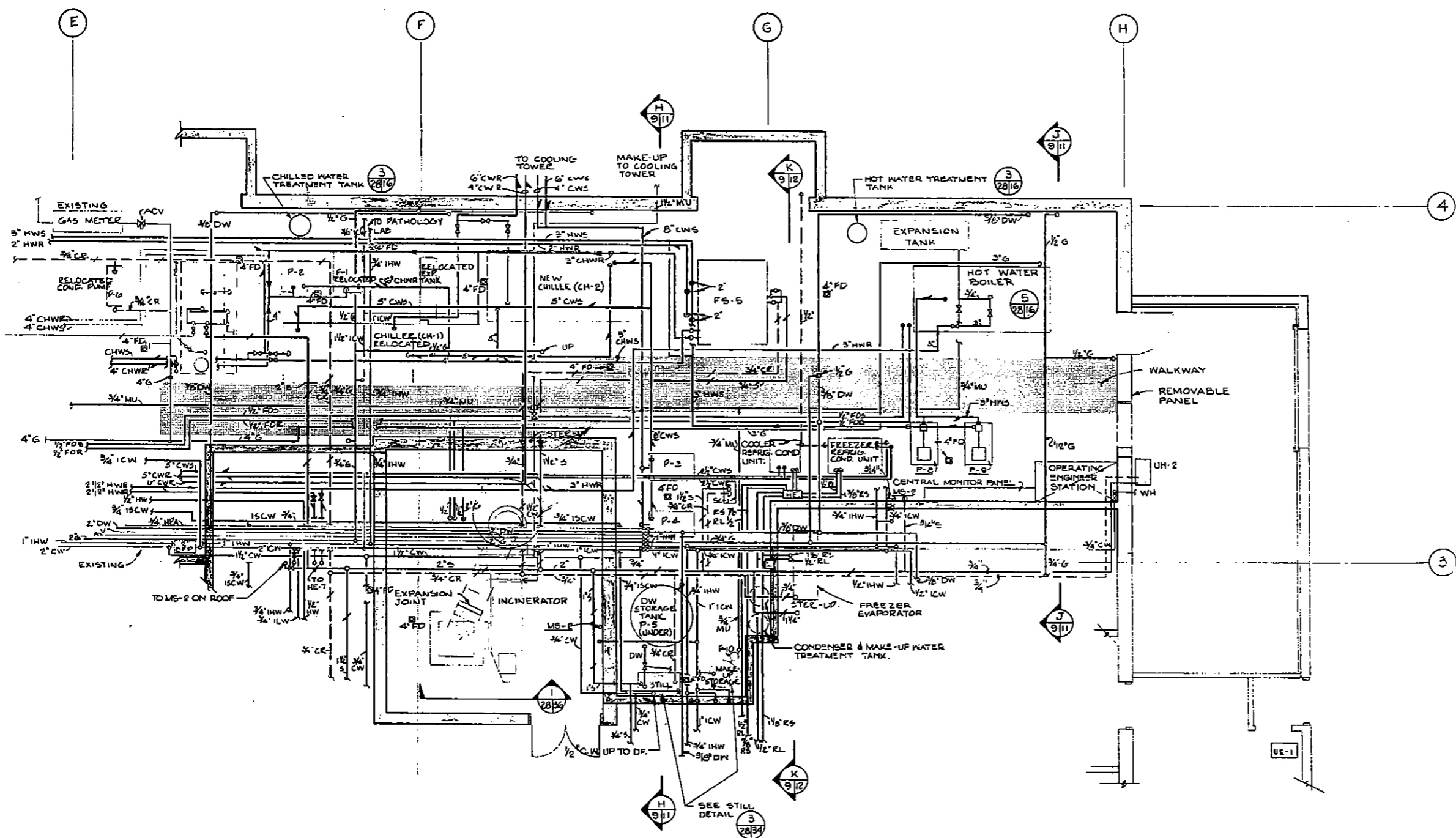
SCALE: 1/4" = 1'-0"

1/4" = 1'-0"



REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB MADISON, WISCONSIN			<b>MECHANICAL ROOM PLUMBING PLAN - WEST</b>	
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
4/78	W.J./W.G.	J.D.	D.G.	DEC-WI-927-80.0

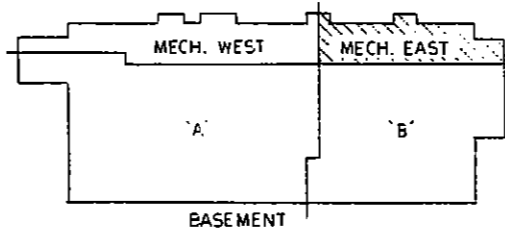
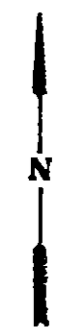




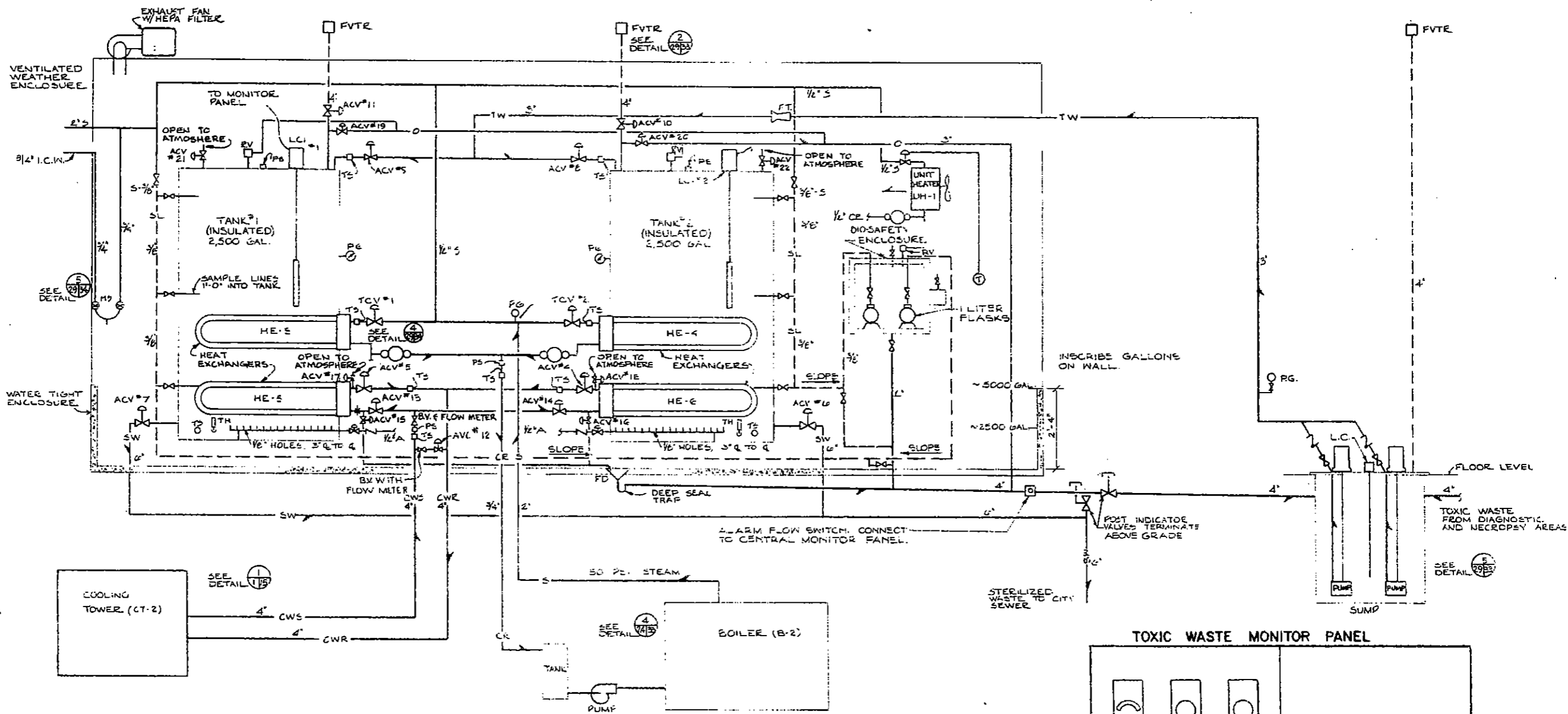
**MECHANICAL ROOM PLUMBING PLAN - EAST**

SCALE 1/4" = 1'-0"

1/4" = 1'-0"



REVISION	STATUS	DATE	DESCRIPTION	BY
<p>NATIONAL WILDLIFE HEALTH LAB MADISON, WISCONSIN</p> <p style="text-align: right;"><b>MECHANICAL ROOM PLUMBING PLAN - EAST</b></p>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
4/78	W.J./W.G.	J.D./W.C.	D.G.	DEC-WI-927-81.0



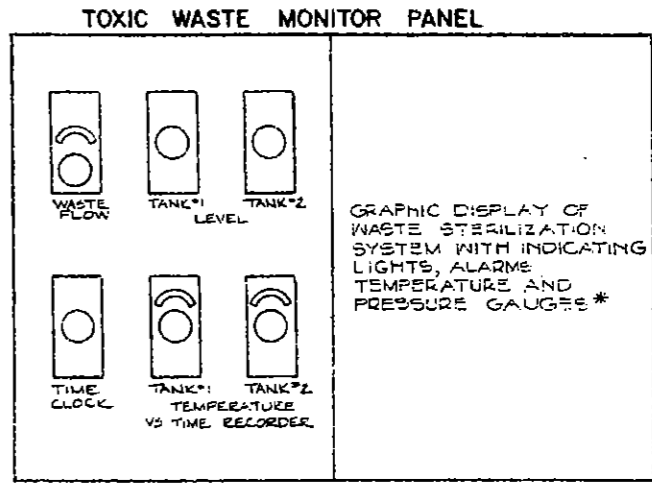
WASTE STERILIZATION SYSTEM  
NO SCALE

**PLUMBING LEGEND**

A-COMPRESSED AIR SUPPLY	FD-FLOOR DRAIN
CWS-CONDENSER WATER SUPPLY	FT-FLOW TUBE WITH TRANSMITTER
CWR-CONDENSER WATER RETURN	LC-LEVEL CONTROL
CR-CONDENSATE RETURN	LCI-LEVEL CONTROL W/ INDICATOR
ICW-INDUSTRIAL COLD WATER	PG-PRESSURE GAUGE
FVTR-FILTERED VENT THROUGH ROOF	RV-RELIEF VALVE
C-TANK OVERFLOW PIPE	TM-THERMOMETER
S-STEAM SUPPLY, 2.0 PSI	TS-TEMPERATURE SENSOR
SL-SAMPLING LINE	BV-BALANCING VALVE
SW-STERILIZED WASTE	ACV-AUTOMATIC CONTROL VALVE
W-TOXIC WASTE	TCV-TEMPERATURE CONTROL VALVE

**WASTE STERILIZATION CONTROL VALVE SEQUENCE**

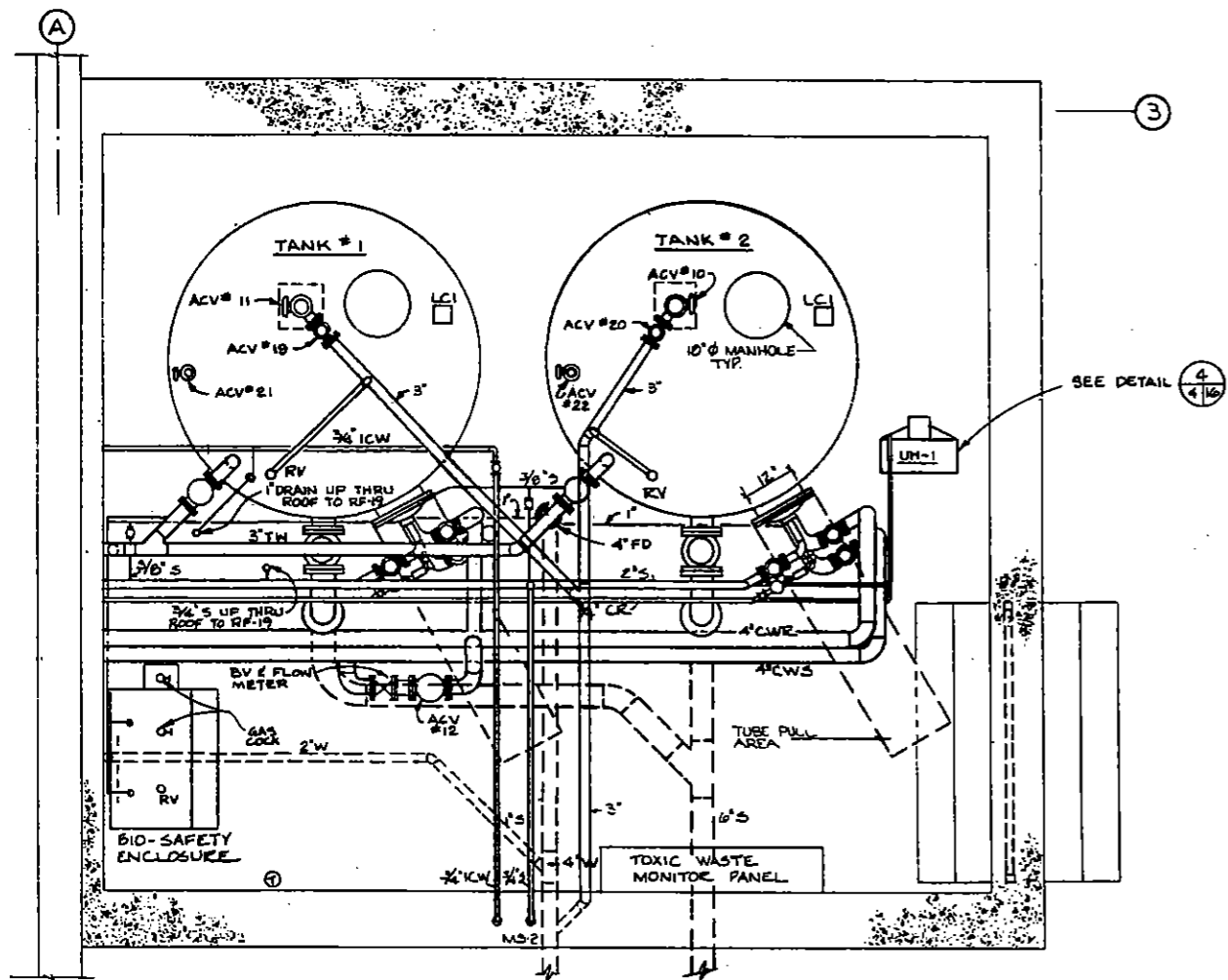
VALVE NO.	VALVE TYPE	VALVE POSITION			
		FILL	STERILIZATION	COOLING	DRAIN
ACV-4	NC	CLOSED	CLOSED	OPEN	CLOSED
5	NC	CLOSED	CLOSED	OPEN	CLOSED
6	NC	CLOSED	CLOSED	CLOSED	OPEN
7	NC	CLOSED	CLOSED	CLOSED	OPEN
8	NO	OPEN	CLOSED	CLOSED	CLOSED
9	NO	OPEN	CLOSED	CLOSED	CLOSED
10	NC	OPEN	CLOSED	CLOSED	CLOSED
11	NC	OPEN	CLOSED	CLOSED	CLOSED
12	NO	OPEN	OPEN	CLOSED	OPEN
13	NC	CLOSED	CLOSED	OPEN	CLOSED
ACV-14	NC	CLOSED	CLOSED	OPEN	CLOSED
ACV-15	NC	CLOSED	OPEN	CLOSED	CLOSED
16	NC	CLOSED	OPEN	CLOSED	CLOSED
17	NC	CLOSED	OPEN	CLOSED	CLOSED
18	NC	CLOSED	OPEN	CLOSED	CLOSED
19	NC	OPEN	CLOSED	CLOSED	CLOSED
20	NC	OPEN	CLOSED	CLOSED	CLOSED
21	NC	CLOSED	CLOSED	CLOSED	OPEN
ACV-22	NC	CLOSED	CLOSED	CLOSED	OPEN
TCV-1	NC	CLOSED	MODULATE	CLOSED	CLOSED
TCV-2	NC	CLOSED	MODULATE	CLOSED	CLOSED



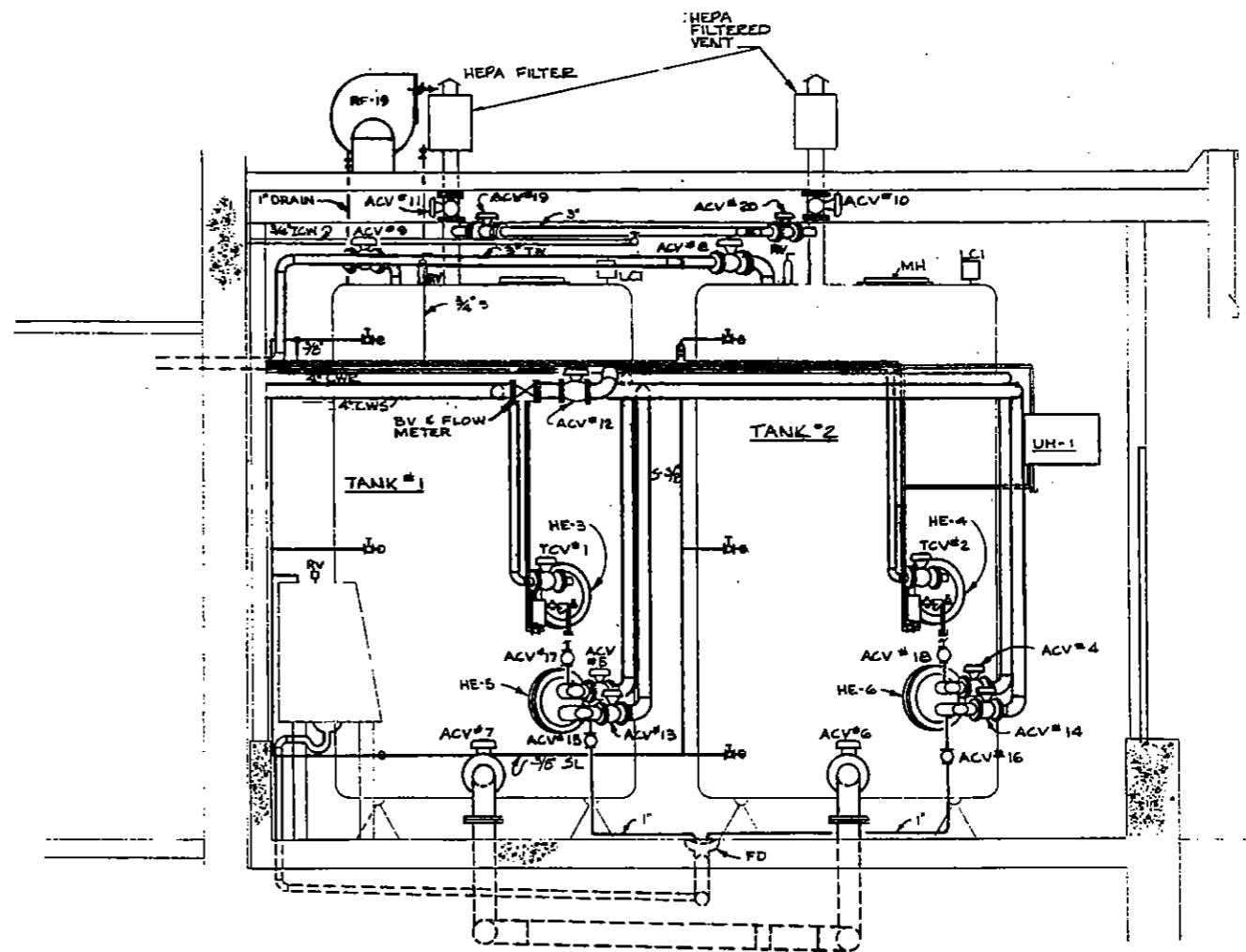
**\* NOTE:**

INDICATOR RANGES:	TANK	STEAM	COOLING WATER	TOXIC WASTE
TEMPERATURE (°F):	0 TO 300	200 TO 350	50 TO 150	50 TO 100
PRESSURE (PSI):	0 TO 60	0 TO 100	0 TO 30	---
TANK LEVEL:	EMPTY, 1/4, 1/2, 3/4, FULL	---	---	---

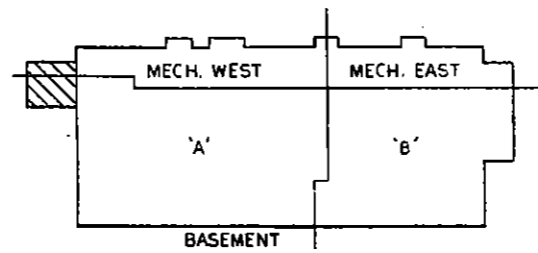
REVISION	STATUS	DATE	DESCRIPTION	BY
<b>NATIONAL WILDLIFE HEALTH LAB</b> <b>MADISON, WISCONSIN</b> <b>WASTE STERILIZATION SYSTEM</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
5/78	W.J./W.G.	J.D.	D.G.	DEC-WI-927-B2.0



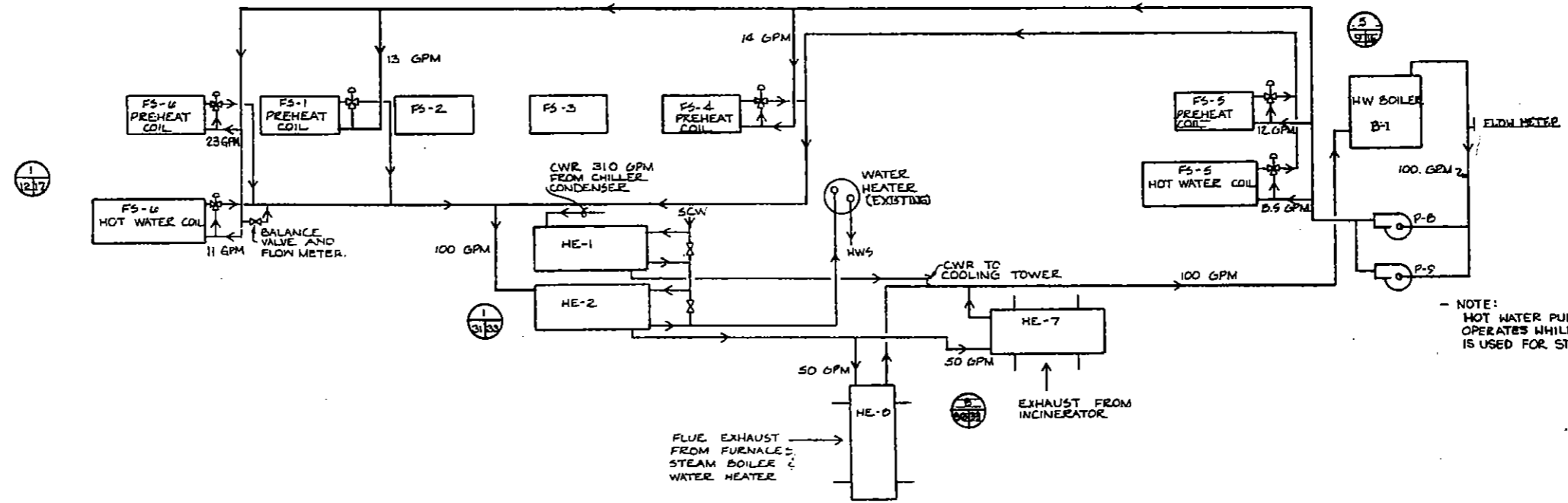
**WASTE STERILIZATION PLAN**  
SCALE: 1/2" = 1'-0"



**WASTE STERILIZATION ELEVATION**  
SCALE: 1/2" = 1'-0"

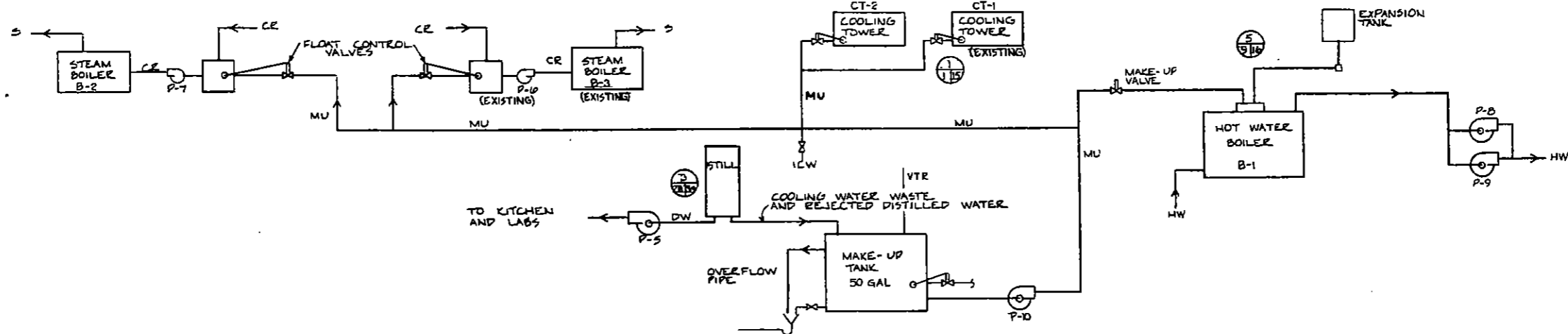


REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB MADISON, WISCONSIN			WASTE STERILIZATION PLAN & ELEVATION	
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
5/78	W.J./W.G.	J.D.	D.G.	DEC-WI-927-83.0



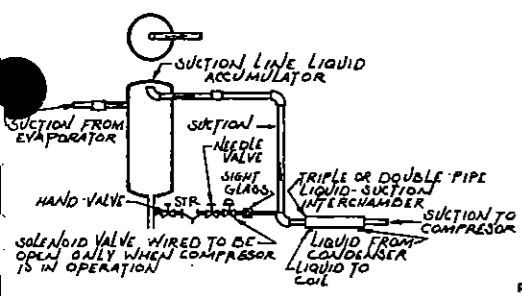
- NOTE:  
HOT WATER PUMPS, ONE PUMP  
OPERATES WHILE THE OTHER  
IS USED FOR STANDBY.

**HOT WATER FLOW DIAGRAM**  
NO SCALE

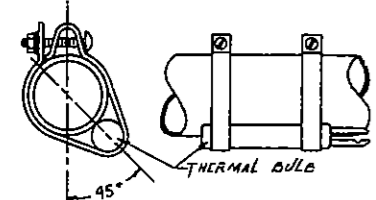


**MAKE-UP WATER CONSERVATION FLOW DIAGRAM**  
NO SCALE

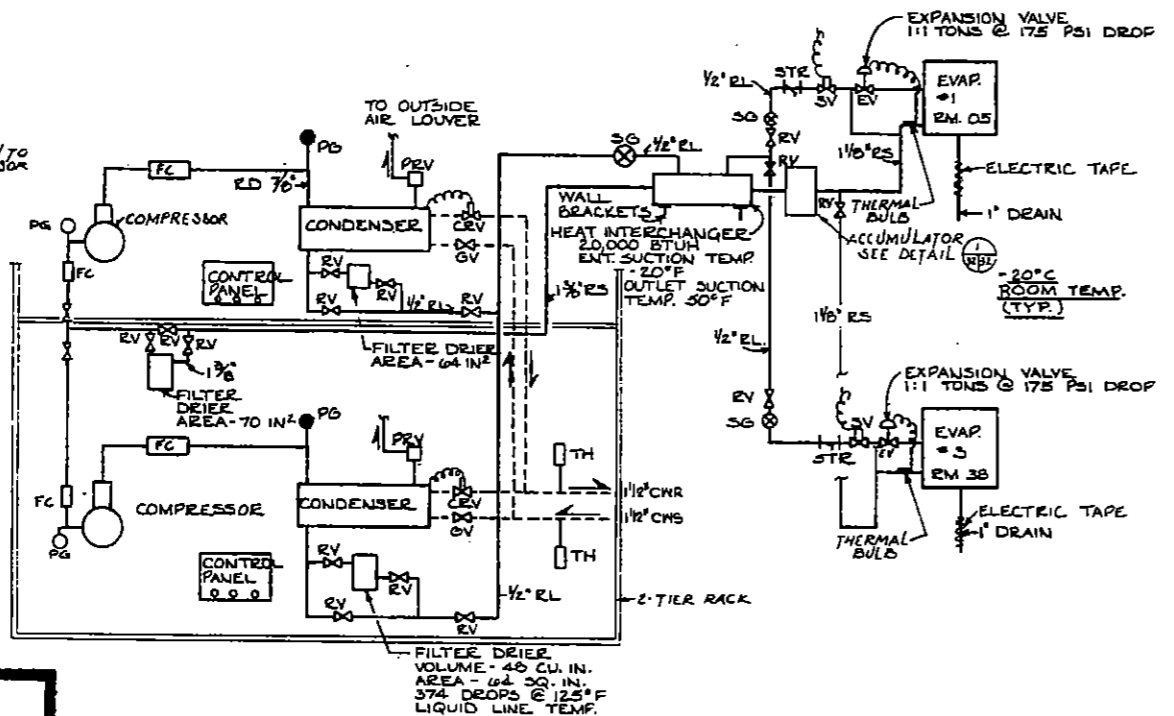
REVISION	STATUS	DATE	DESCRIPTION	BY
<p>NATIONAL WILDLIFE HEALTH LAB MADISON, WISCONSIN</p> <p style="text-align: right;">HOT WATER / MAKE-UP WATER SYSTEMS</p>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
11/78	WG/WJ	JD/SJH	D.G.	DEC-WI-927-84.0



**SUCTION LINE ACCUMULATOR AND HEAT INTERCHANGER**  
NO SCALE



**THERMAL BULB LOCATION**  
NO SCALE



**FREEZER REFRIGERATION SYSTEM SCHEMATIC**  
NO SCALE

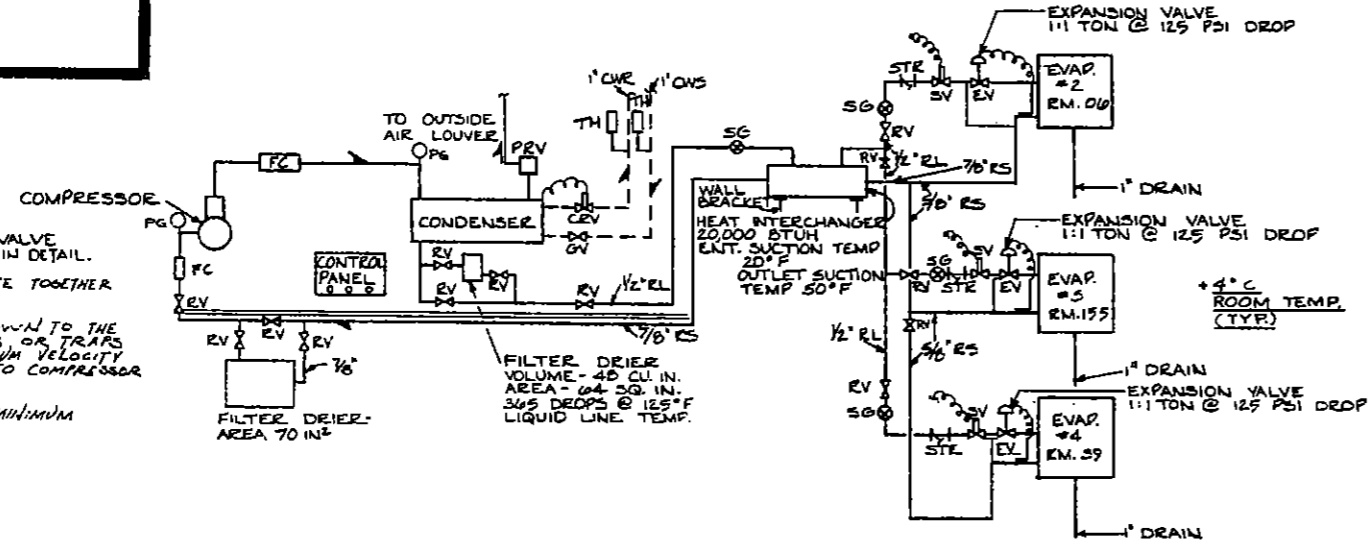
- LEGEND**
- CEV - CONDENSER REGULATING VALVE
  - CWR - CONDENSER WATER RETURN
  - CWS - CONDENSER WATER SUPPLY
  - EV - EXPANSION VALVE
  - FD - FILTER DRIER
  - GV - GATE VALVE
  - PG - PRESSURE GAUGE
  - PRV - PRESSURE RELIEF VALVE
  - RD - REFRIGERANT DISCHARGE
  - RL - REFRIGERANT LIQUID
  - RS - REFRIGERANT SUCTION
  - RV - REFRIGERANT VALVE
  - SG - SIGHT GLASS
  - SV - SOLENOID VALVE
  - STR - STRAINER
  - TH - THERMOMETER
  - FC - FLEXIBLE CONNECTOR
  - WH - WALL HYDRANT

1 STRAP THERMAL BULB OF EXPANSION VALVE AT 45° BELOW HORIZONTAL AS SHOWN IN DETAIL.

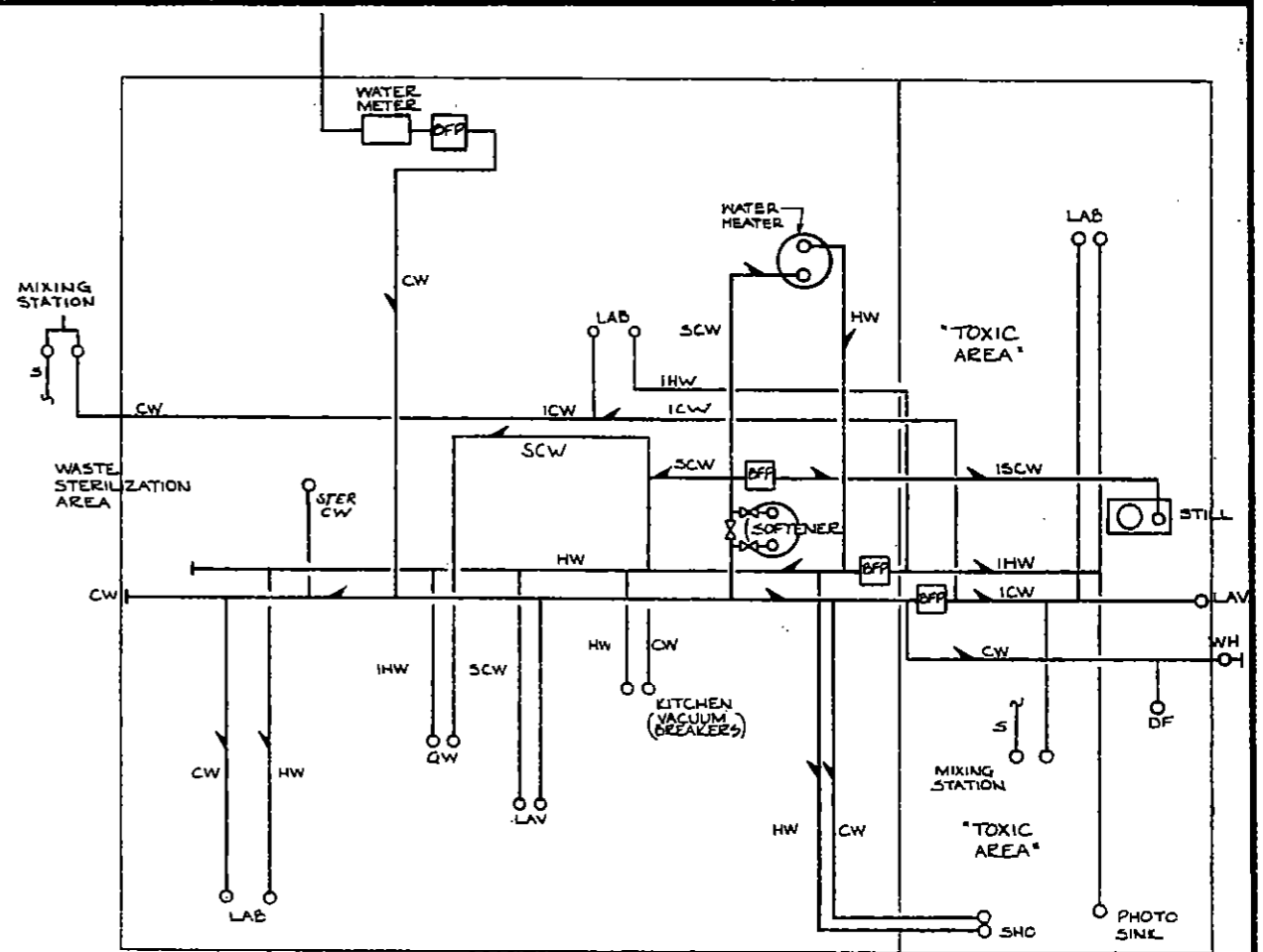
2 CONDENSING UNITS NOT TO OPERATE TOGETHER (FREEZER BERTHS ONLY).

3 ALL SUCTION LINES SHALL PITCH DOWN TO THE COMPRESSOR. ALL SUCTION RISERS OR TRAPS SHALL BE SIZED TO MAINTAIN MINIMUM VELOCITY TO ALLOW RETURN OF LUBRICANT TO COMPRESSOR CRANKCASE.

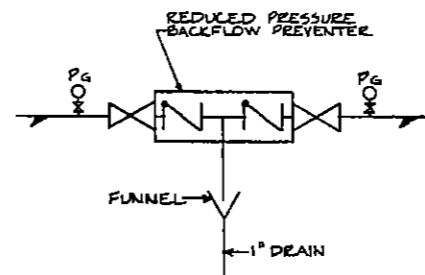
4 EXPANSION VALVE SETTING FOR A MINIMUM 25°F SUPER HEAT



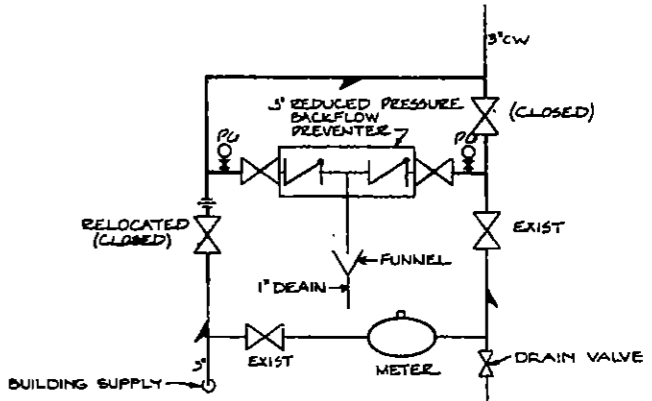
**COOLER REFRIGERATION SYSTEM SCHEMATIC**  
NO SCALE



**BACK FLOW PREVENTER LOCATION**  
NO SCALE

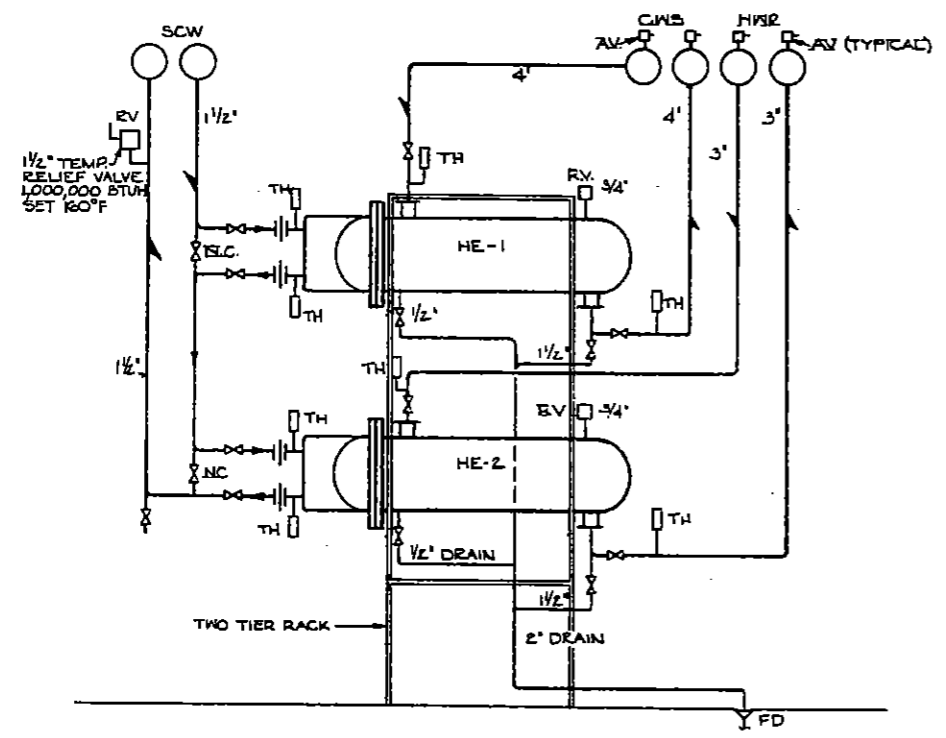


**BACKFLOW PREVENTER (TYPICAL)**  
NO SCALE

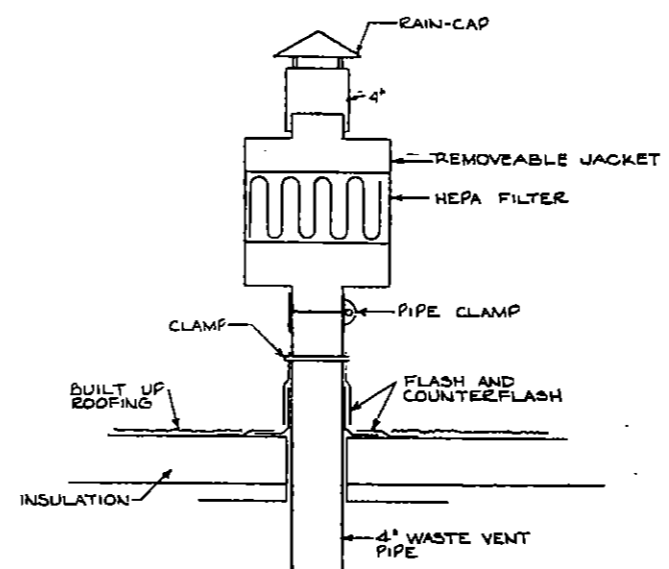


**WATER MAIN BACKFLOW PREVENTER**  
NO SCALE

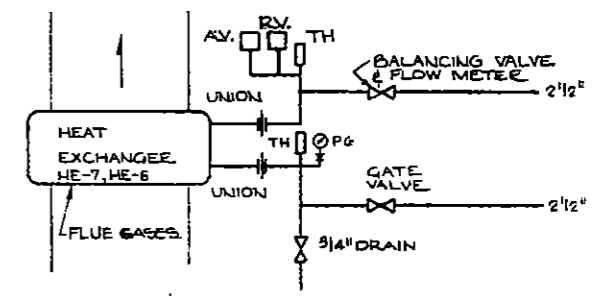
REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB				
MADISON, WISCONSIN				
<b>COOLER/FREEZER REFRIGERATION BACKFLOW PREVENTERS</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
6/78	W.G./W.J.	J.D.	D.G.	DEC-WI-927-85.0



**RECLAIM HEAT EXCHANGER PIPING**  
NO SCALE (1) 24/83

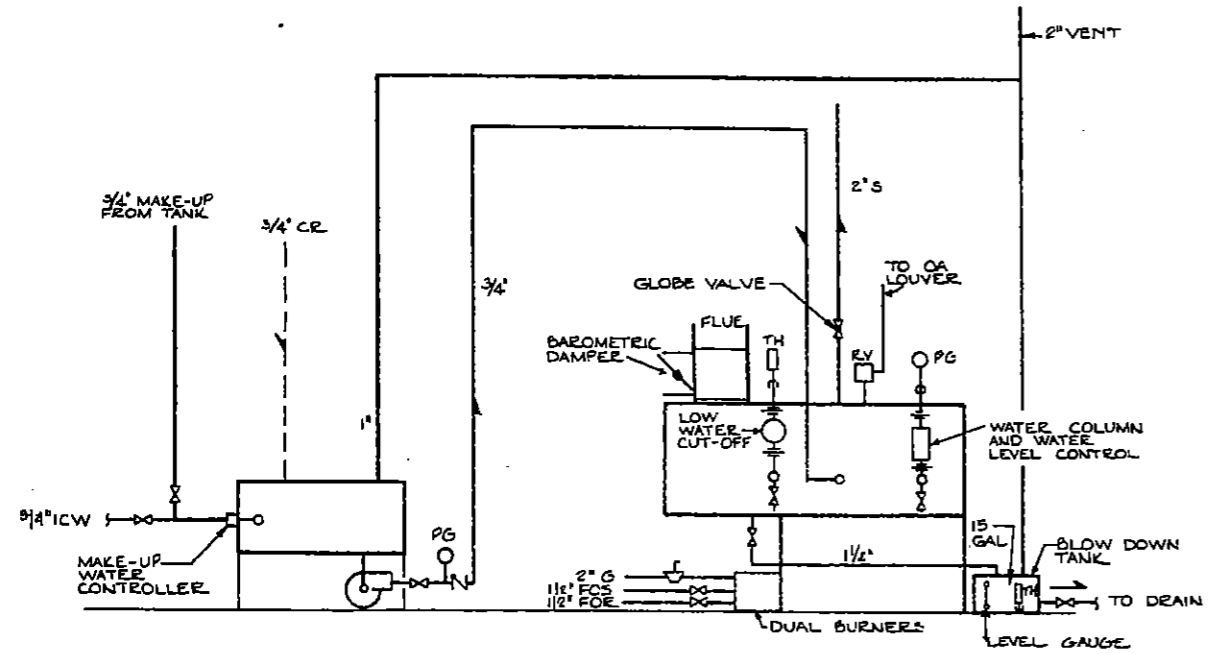


**TOXIC WASTE VENT WITH HEPA FILTER**  
TYPICAL NO SCALE (2) 29/83

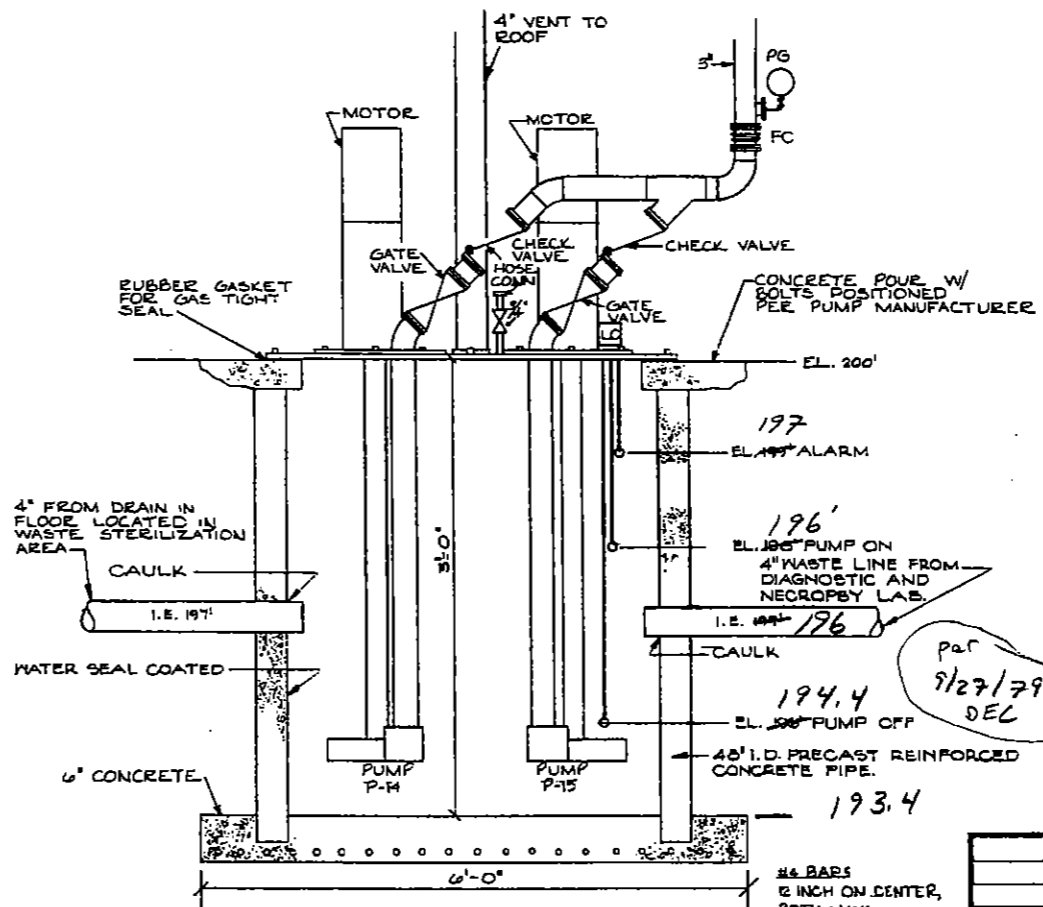


**FLUE HEAT EXCHANGER**  
TYPICAL NO SCALE (3) 24/83

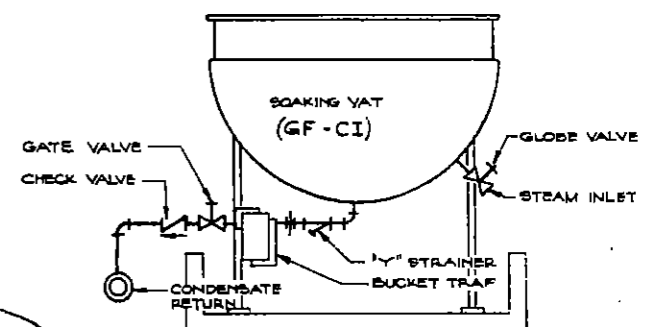
**LEGEND**  
LC LEVEL CONTROL  
AV AIR VENT



**CONDENSATE STEAM BOILER PIPING**  
NO SCALE (4) 24/83



**TOXIC WASTE SUMP**  
SCALE: 1" = 1'-0" (5) 22/83



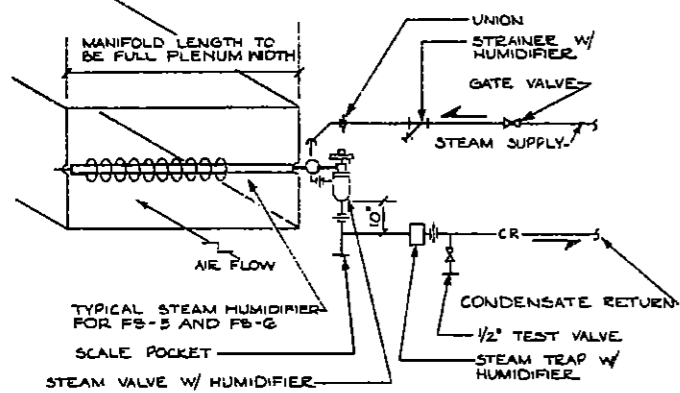
**SOAKING VAT PIPING**  
NO SCALE (6) 24/83

REVISION	STATUS	DATE	DESCRIPTION	BY

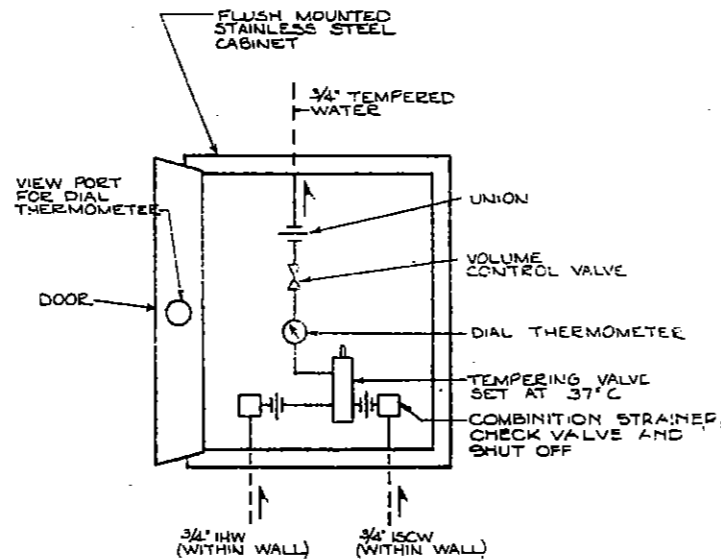
**NATIONAL WILDLIFE HEALTH LAB**  
**MADISON, WISCONSIN**

**WASTE PUMPS, HEAT EXCHANGER, STEAM BOILER & TOXIC VENT**

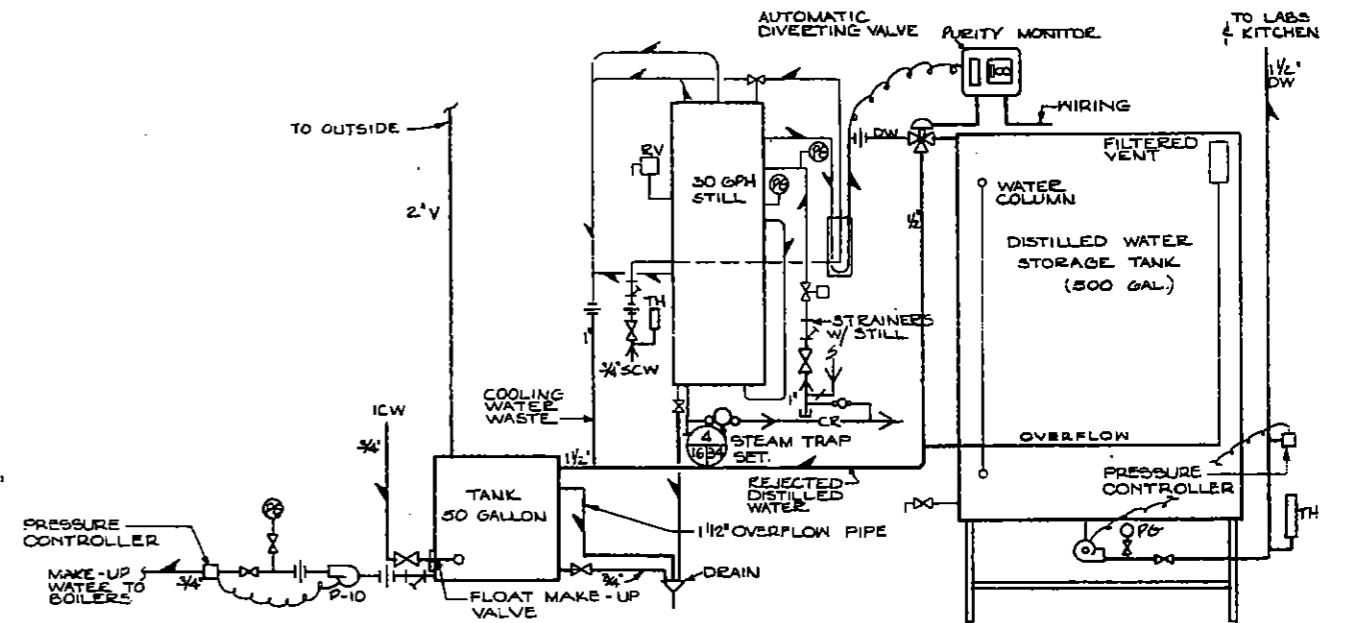
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
6/78	W.G./W.J.	J.D.	D.G.	DEC-WI-927-860



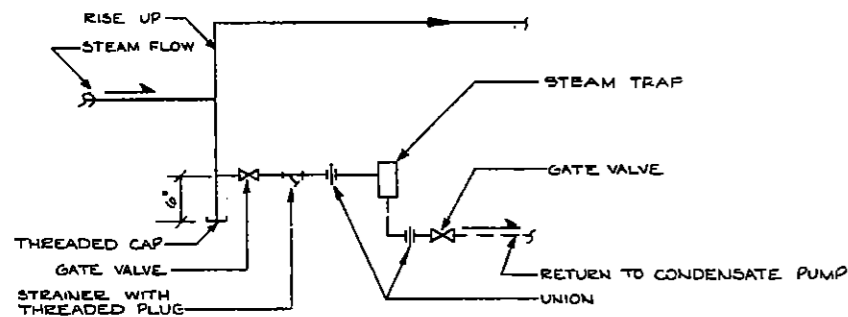
**HORIZONTAL STEAM HUMIDIFIER**  
NO SCALE



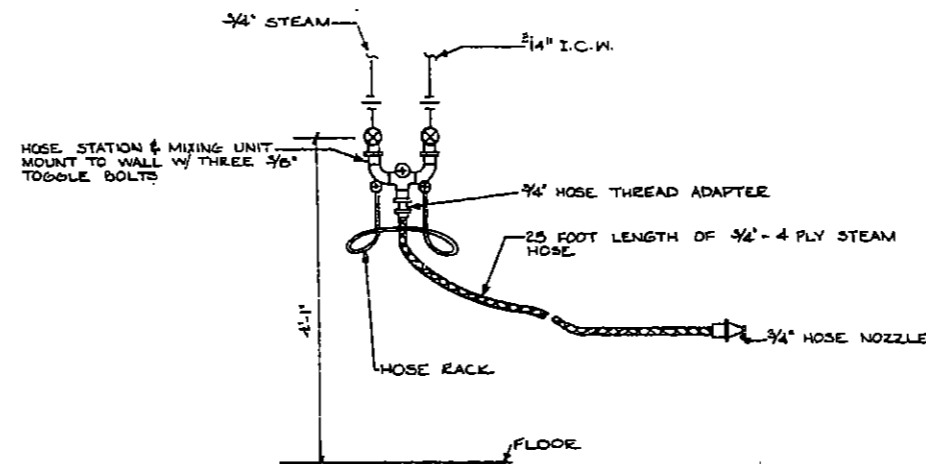
**TEMPERING VALVE**  
NO SCALE



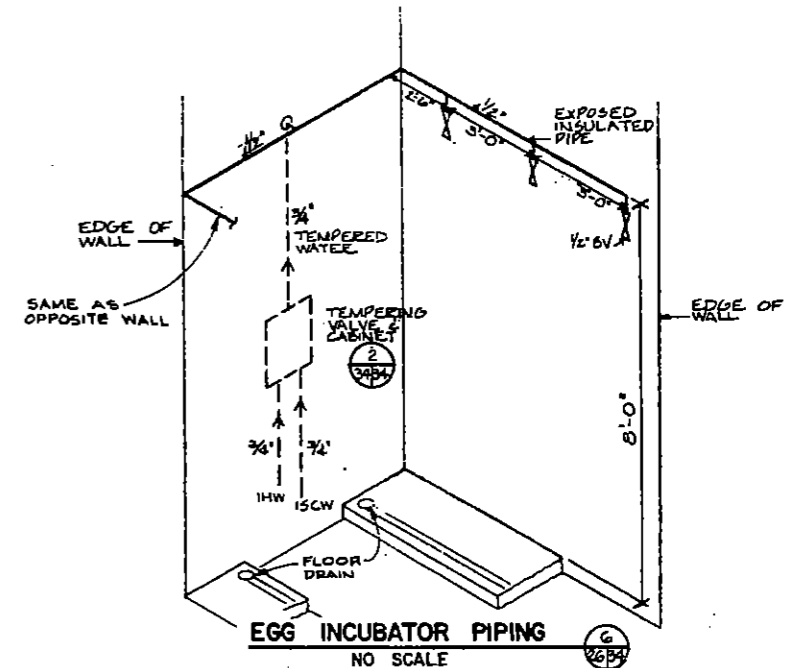
**STILL, STORAGE & MAKE-UP PIPING**  
NO SCALE



**STEAM TRAP SET TYPICAL**  
NO SCALE

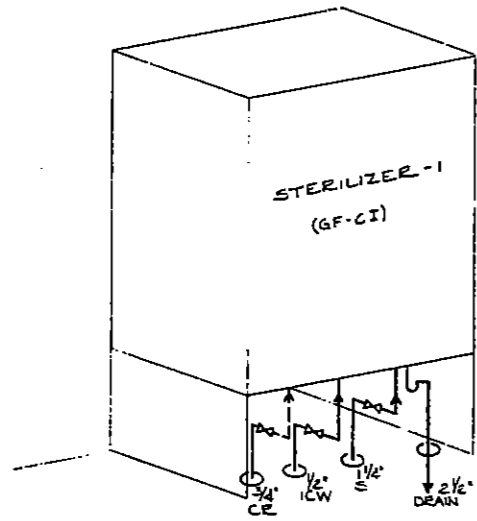


**STEAM WATER MIXING STATION**  
NO SCALE

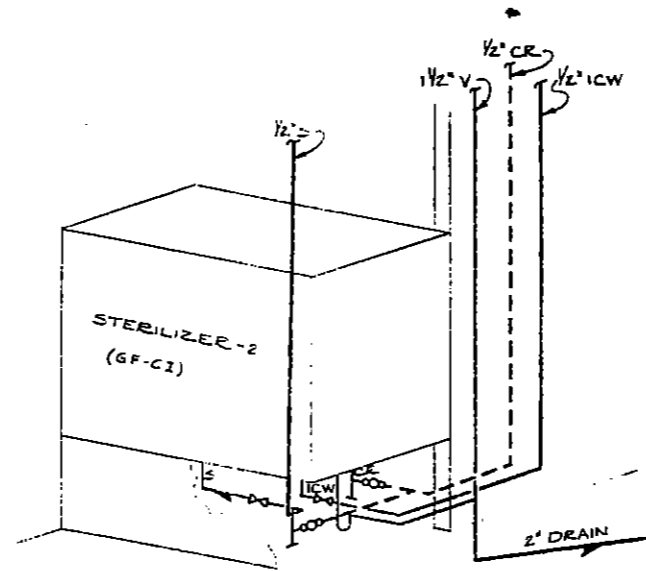


**EGG INCUBATOR PIPING**  
NO SCALE

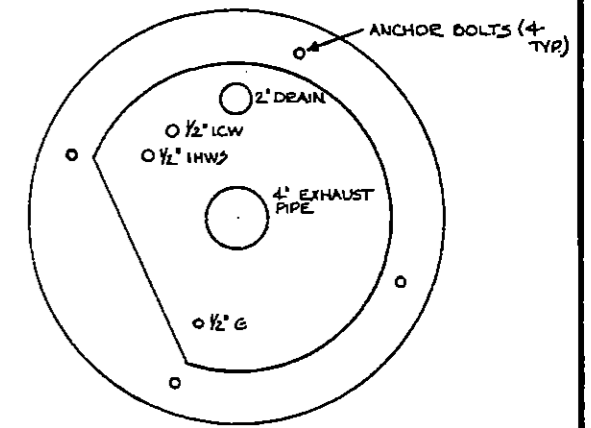
REVISION	STATUS	DATE	DESCRIPTION	BY
<p>NATIONAL WILDLIFE HEALTH LAB MADISON, WISCONSIN</p>				
<p>DATE 5/78</p>			<p>DESIGNED W.G./W.J. DRAWN J.D. CHECKED D.G. DRAWING NO. DEC-WI-927-B7.0</p>	



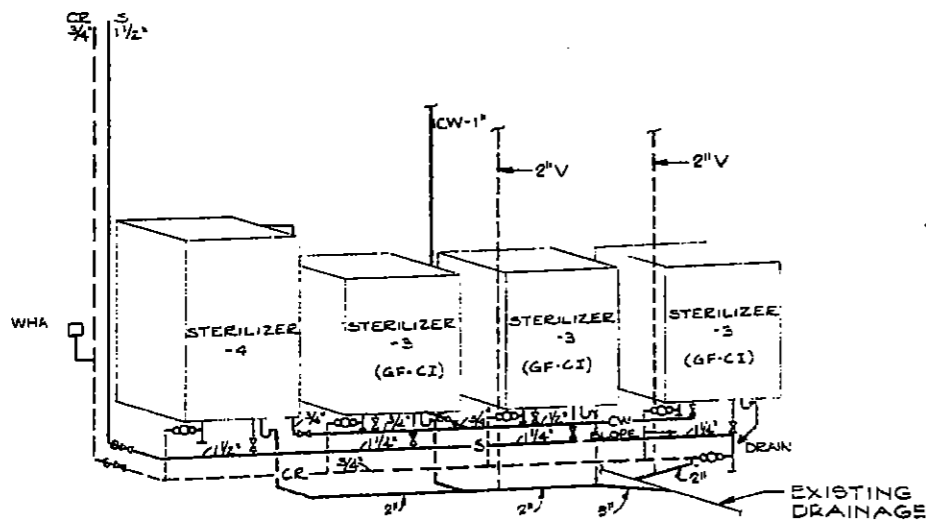
**DIAGNOSTIC LAB STERILIZER PIPING TYPICAL**  
NO SCALE



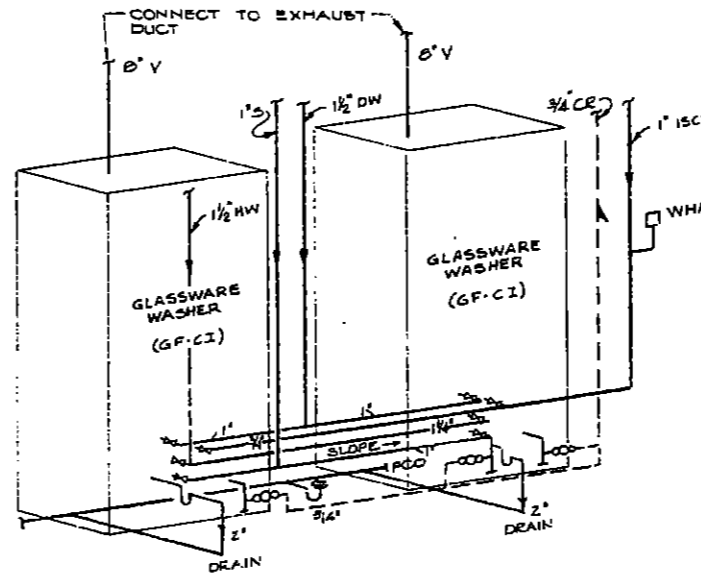
**NECROPSY STERILIZER PIPING**  
NO SCALE



**NECROPSY TABLE PIPING ROUGH IN TYPICAL**  
2' x 1' x 0"



**CORRIDOR STERILIZER PIPING**  
NO SCALE



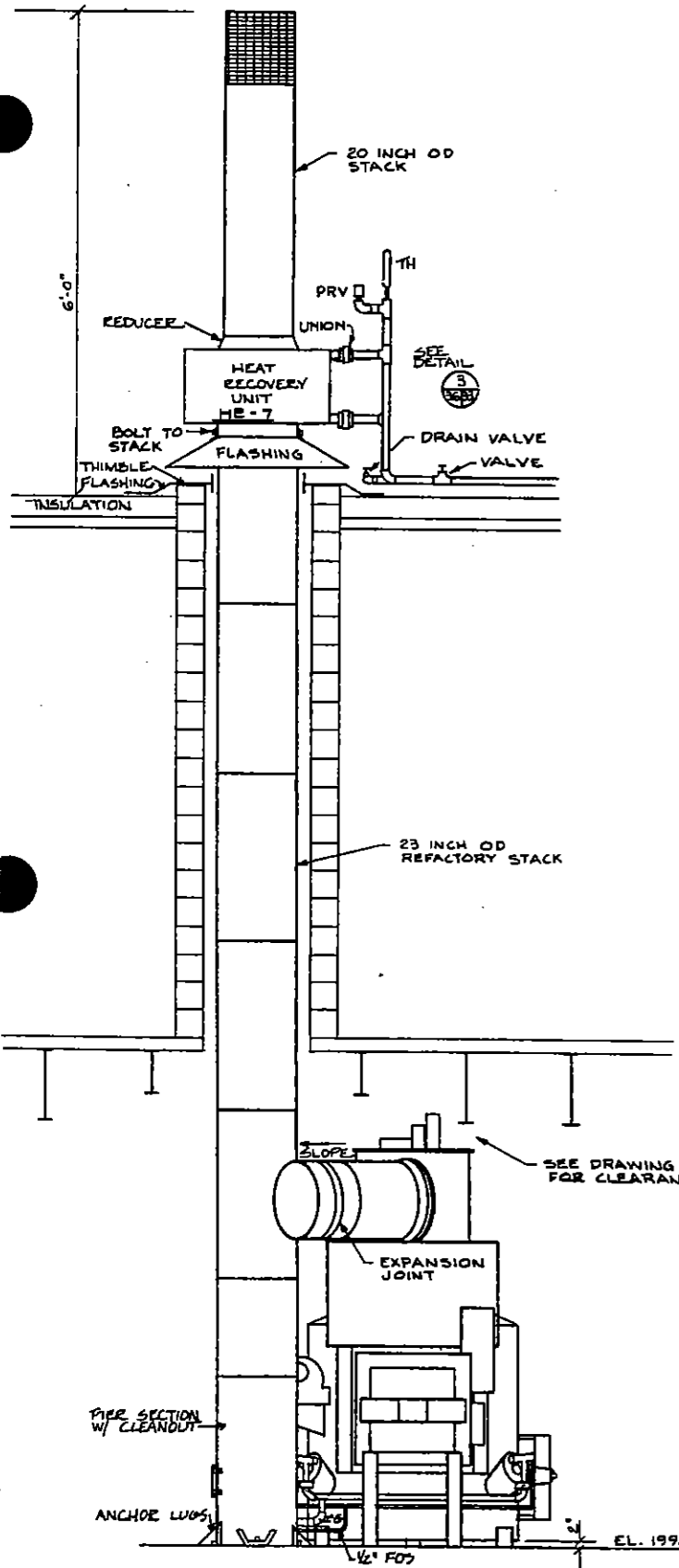
**GLASSWARE WASHER PIPING**  
NO SCALE

LEGEND	
000	STEAM TRAP SET
WHA	WATER HAMMER ARRESTOR
CR	CONDENSATE RETURN
ISCW	INDUSTRIAL SOFT COLD WATER

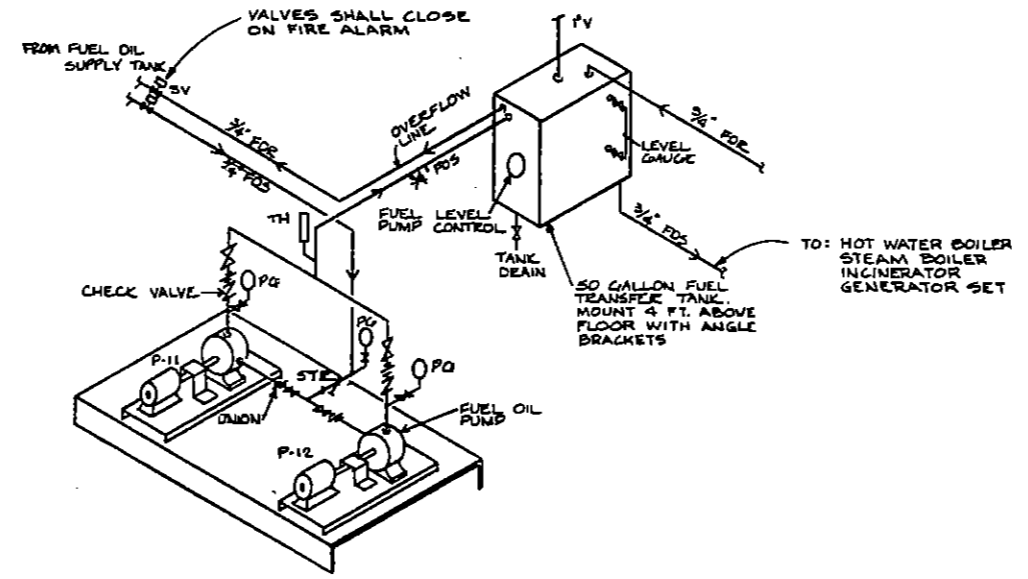


REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB MADISON, WISCONSIN				
			STERILIZERS, WASHERS & NECROPSY TABLES	
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
5/78	W.G./W.J.	J.D.	D.G.	DEC-WI-927-88.0

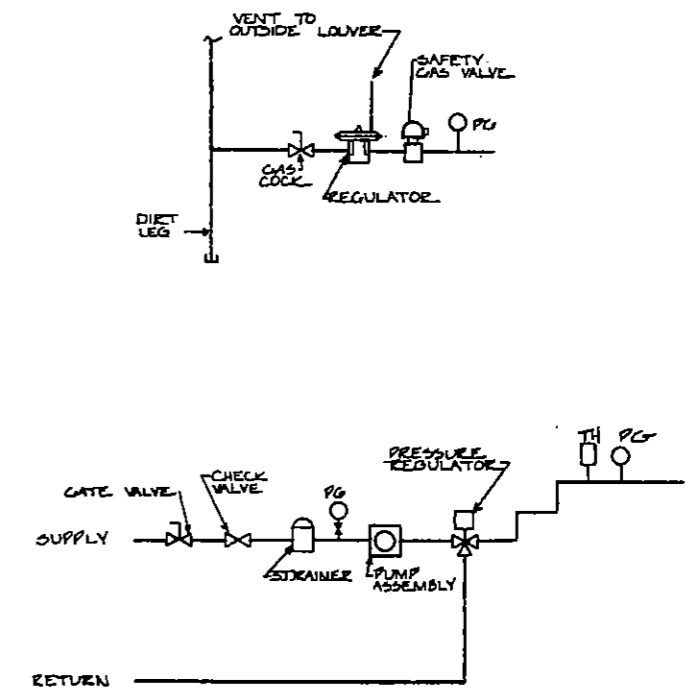




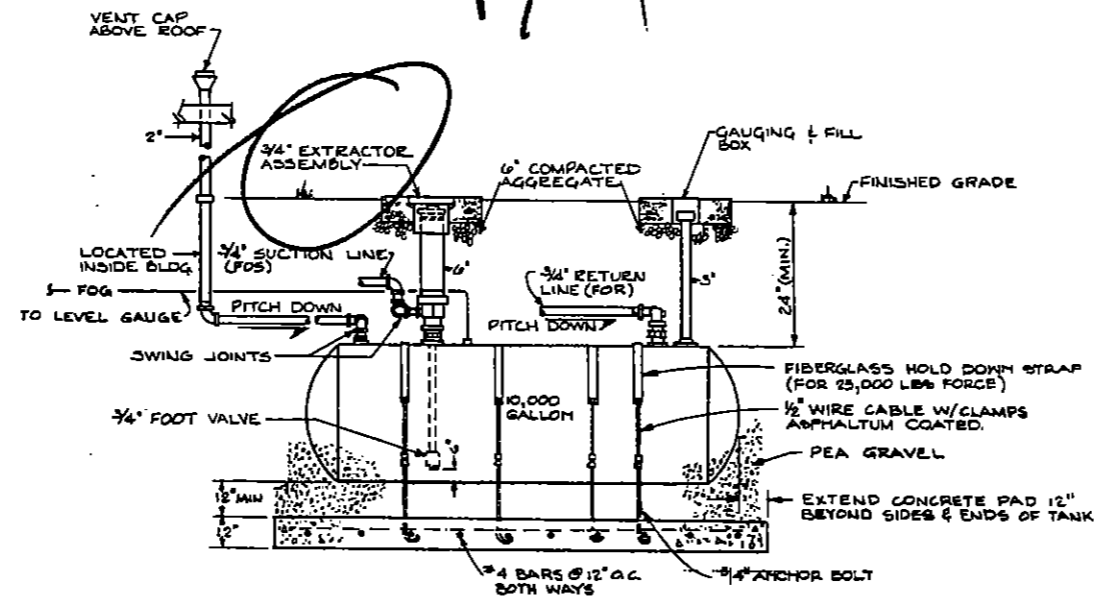
**INCINERATOR** 1  
SCALE: 1/2" = 1'-0"



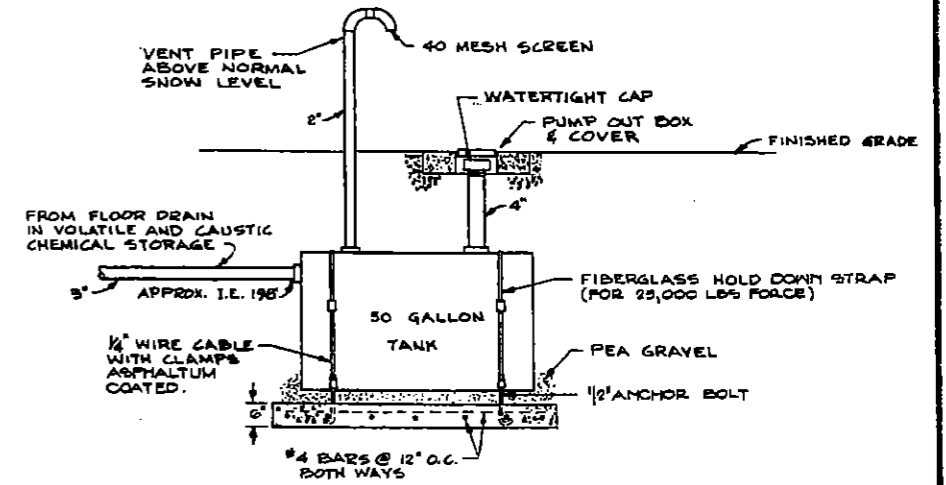
**FUEL OIL PUMP SET AND TRANSFER TANK** 2  
NO SCALE



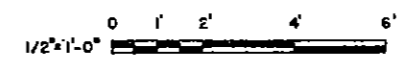
**COMBINATION BURNER PIPING**  
NO SCALE



**UNDERGROUND FUEL TANK** 3  
NO SCALE



**VOLATILE AND CAUSTIC CHEMICAL SUMP** 4  
NO SCALE



REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB				
MADISON, WISCONSIN				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
11/78	W.S./W.G.	J.D.	D.G.	DEC-W I-927-89.0

62.7

### NEW FAN SCHEDULE

RF#	CFM	SP IN FAN (MAX)	RPM (MAX)	BHP	DRIVE	TYPE	REMARKS	DIFFERENTIAL FILTERS	AIR FILTER
RF-1	1945/970	3.5	2000	1.0	2	BELT DRIVE 15 BLSW	AUTO W/FS #2. HIGH SPD ON DAY CYCLE. LOW SPD ON NIGHT CYCLE. HEPA FILTERS AT OUTLET. SCHED I	2	0-4.0
RF-2	1110/559	3.5	2500	1	1	BELT DRIVE 12 BLSW	INCINERATOR ROOM EXHAUST. HEPA FILTERS AT OUTLET. SCHED I	1	0-4.0
RF-3	1750/819	1/2	800	24	1/2	BELT DRIVE 17 BLSW	CYCLE W/FS #1 SCHED VII		0-1.0
RF-4	4805/2400	3.5	1414	3.9	5	BELT DRIVE 27 BLSW	SAME AS RF-1 SCHED VII	4	0-4.0
RF-5	1110/559	3.5	2500	1	1	BELT DRIVE 12 BLSW	SAME AS RF-1 SCHED VII	1	0-4.0
RF-6	1100/550	3.5	2500	1	1	BELT DRIVE 12 BLSW	AUTO W/FS #2. HIGH SPD ON DAY CYCLE. LOW SPD ON NIGHT CYCLE. HEPA FILTERS AT OUTLET. SCHED I	1	0-4.0
RF-7	2190/1095	4.0	1982	2.2	3	BELT DRIVE 16 BLSW	SAME AS RF-6. CONNECT TO EMERGENCY POWER	2	0-5.0
RF-8	2365/1180	4.0	2000	2.3	3	BELT DRIVE 15 BLSW	SAME AS RF-6. CONNECT TO EMERGENCY POWER	2	0-5.0
RF-9	1875/940	4.0	2405	1.0	2	BELT DRIVE 10 BLSW	SAME AS RF-6. CONNECT TO EMERGENCY POWER	2	0-5.0
RF-10	4130/2065	3.5	1590	3.45	5	BELT DRIVE 20 BLSW	SAME AS RF-12	2	0-4.0
RF-11									
RF-12	2700/1350	1/4	980	8	1	BELT DRIVE 20 BLSW	AUTO W/FS #3. HIGH SPD ON DAY CYCLE. LOW SPD ON NIGHT CYCLE. SCHED I		0-2.0
RF-13	400/200	1/2	1000	1	1/2	BELT DRIVE 7 BLSW	SPARKLESS CONSTRUCTION. HIGH SPD ON DAY CYCLE. LOW SPD ON NIGHT CYCLE. CYCLE W/FS #1. SCHED VII		0-1.0
RF-14	1505	1/4	1153	1/2	1/2	BELT DRIVE 12 BLSW	SPARKLESS CONSTRUCTION. ON/OFF SWITCH ON FUME HOOD.		0-2.0
RF-15	1250	1	1010	1/2	1/2	BELT DRIVE 12 BLSW	SPARKLESS CONSTRUCTION. ON/OFF SWITCH ON FUME HOOD.		0-2.0
RF-16	1805/900	4.0	2400	1.0	2	BELT DRIVE 10 BLSW	SAME AS RF-6. CONNECT TO EMERGENCY POWER	2	0-5.0
RF-17	1110/559	3.5	2500	1	1	BELT DRIVE 12 BLSW	SAME AS RF-6	1	0-4.0
RF-18	3600/1800	1/4	624	1.07	3/4	BELT DRIVE 22 BLSW	CONTROLLED BY O.A. TEMP.		0-1.0
RF-19	1100/550	3.5	2500	1	1	BELT DRIVE 12 BLSW	TOXIC WASTE TANK ROOM EXHAUST SCHED I	1	0-4.0
WF-1	1200	3/8"	1725	1.4	1/2	DIRECT DRIVE WALL MTD	INCINERATOR ROOM SUPPLY SCHED I		
WF-2	5900/1950	3/8"	1160	5.1	1/2	DIRECT DRIVE WALL MTD	MECHANICAL ROOM EXHAUST SCHED I		
WF-3	5900/1950	3/8"	1160	5.1	1/2	DIRECT DRIVE WALL MTD	MECHANICAL ROOM EXHAUST SCHED I		

NOTE: ALL UNUSED PENETRATIONS SHALL BE COVERED AND MADE WEATHER TIGHT.

### STEAM UNIT HEATER

UNIT LOCATION	MBH	AIR DATA	STEAM DATA	MOTOR DATA	REMARKS							
UH-1	TOXIC WASTE TANK ROOM	14	224	60	110	14	40 PSI	1/25	600	1	115/1	SCH. I
UH-2	MECH ENTRANCE EAST END	14	224	60	110	14	40 PSI	1/25	600	1	115/1	SCH. I

### FAN SYSTEM SCHEDULE

UNIT NO.	LOCATION	TOTAL CFM	OUTDOOR AIR	FAN DATA	MOTOR DATA	REMARKS	DIESEL GEAR				
				S.P. MAX	RPM MAX	BHP	FAN TYPE	HP	VOLT/Ø		
F51	MER	4405	6405	2 1/2	1940	975	FC	5	208/3	NEW BLOWER ON EXIST. FURNACE SCHED VII	0-2
F52	MER	10540	1140	2	1000	-	3.5	5	208/3	EXIST: MODIFY AS NECESSARY SCHED VII	0-2
F53	MER	3570	140	2	950	-	2.0	3	208/3	EXIST: MODIFY AS NECESSARY SCHED VII	0-2
F54	MEE	8050	8050	2 1/2	2100	980	FC	5	208/3	NEW BLOWER ON EXIST. FURNACE SCHED VII	0-3-0-2
F55	MEE	6000	6000	3	1790	1130	FC	7 1/2	208/3	SCHED I	0-2
F56	MER	10400	10,400	3	1965	1250	FC	10	208/3	SCHED I	0-4-0-2

### ELECTRIC UNIT HEATER SCHEDULE

UNIT #	LOCATION	KW	PHASE	AMP/PHASE	VOLTS	FAN DATA	FAN RISE	REMARKS			
						RPM	CFM	HP			
UE-1	ENTRANCE TO NECROPSY	2	1	9.8	208	1100	240	1/50	15	26	MOUNT NEAR CEILING SCHED I

### EXISTING EXHAUST FANS

EXISTING CFM	NEW CFM	EXIST SP	NEW SP	DRIVE	TYPE	REMARKS	DIFF. PRESS. RANGE
U-1	-	-	-			HAS BEEN REMOVED	
U-2	-	-	-			HAS BEEN REMOVED	
U-3	-	-	-			HAS BEEN REMOVED	
U-4	2459/1219	1000	1/2	1/2	FC	RELOCATE TO PRESENT POSITION OF U-7. ON/OFF SWITCH IN COMP. RM. SCHED III	0-1.0
U-5	603	500	1/4	3/8		ADJUST TO THIS CFM & S.P. ON/OFF W/LIGHTS IN RM. 122. SCHED VII	0-1.0
U-6	-	-	-			TO BE REMOVED SCHED I	
U-7	-	-	-			TO BE REPLACED W/ U-4 SCHED I	
U-8	2410	2410	1/4	1/4		TO BE RELOCATED TO PRESSURIZED STAIRWELL IN CASE OF FIRE. SCHED I	0-1.0
U-9	2410	2400	1/4	1/4		TO BE CONTROLLED BY O.A. TEMP SCHED VII	0-1
U-10	480	400	1/4	1/2		TO BE RELOCATED. CYCLE W/FS #10 SCHED I	0-1.0
U-11	480	200	1/4	1/2		CYCLE W/FS #3 SCHED VII	0-1.0
U-12	-	-	-			TO BE REMOVED SCHED I	
U-13	1720	1150	1/4	1/2		CONNECTED TO U-14. CHANGE TO THIS SP AND CFM SCHED IX	0-1.0
U-14	1720	1150	1/4	1/2		CONNECTED TO U-13. CHANGE TO THIS SP AND CFM SCHED IX	0-1.0

U-7 removed  
U-11 removed  
U-10  
U-14  
Delete U-10  
U-11

### COOLING TOWER SCHEDULE

UNIT NO.	NOM REFRIG TONS	WATER DATA	OUTDOOR DESIGN	MOTOR DESIGN	HEATER	REMARKS						
		TOTAL GPM	TEMP OF ENT LWC	DB(99) WBLPF	RPM	HP						
CT-1	80	240	95	85	80	75	1750	3	208/3	3 (NEW)	EXIST. RELOCATED	SCHED IX
CT-2	127	300	95	85	80	75	1750	5	208/3	3		SCHED IX

### PUMP SCHEDULE

PUMP NO.	SYSTEM SERVED	GPM	TOTAL HEAD	FLUID TEMP	RPM	BHP	MOTOR DATA	TYPE	% EFF. (MIN)	NPSH (+)	REMARKS
			FEET	F			HP				
P-1	CHILLED WATER	188	32'			3		UNIVERSAL			EXISTING RELOCATED SCHED I
P-2	CHILLED WATER	220	65'		1750	5.3	7 1/2	END SUCTION CLOSE COUPLED	75	1 1/2	SCHED IX
P-3	CONDENSER WATER	240	38'			5		UNIVERSAL			EXISTING RELOCATED SCHED I
P-4	CONDENSER WATER	400	60'		1750	7.6	7 1/2	END SUCTION CLOSE COUPLED	81	3	SCHED IX
P-5	DISTILLED WATER	15	22'			1/2					STAINLESS STEEL SCHED I
P-6	CONDENSATE	3.3	125'			1/2					EXISTING RELOCATED SCHED I
P-7	CONDENSATE	3.3				1/2					SCHED IX
P-8	HOT WATER	100	50'	200	1750	1.7	2	END SUCTION CLOSE COUPLED	72	2	DUPLEX W/P-9 SCHED I
P-9	HOT WATER	100	50'	200	1750	1.7	2	END SUCTION CLOSE COUPLED	72	2	DUPLEX W/P-8 SCHED I
P-10	BOILER MAKE-UP	5	17'		1750	1/6		IN-LINE			SCHED I
P-11	FUEL OIL	1 1/2	50'	1800		1/4		DIRECT DRIVE BASE MOUNTED FLEXIBLE COUPLING			DUPLEX W/P-12 SCHED IX
P-12	FUEL OIL	1 1/2	50'	1800		1/4		DIRECT DRIVE BASE MOUNTED FLEXIBLE COUPLING			DUPLEX W/P-11 SCHED IX
P-13	DOMESTIC HOT H2O CIRC	5	7.5'		1750	1/6					EXISTING
P-14	TOXIC WASTE SUMP	50	17.3'		1750	1/2		NON-CLOG SEWAGE PUMP			DUPLEX W/P-15 SCHED I
P-15	TOXIC WASTE SUMP	50	17.3'		1750	1/2		NON-CLOG SEWAGE PUMP			DUPLEX W/P-14 SCHED I

REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB MADISON, WISCONSIN				EQUIPMENT SCHEDULES FANS, PUMPS, UH, & TOWER
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
8/78	T.P.	J.D.	W.A.	DEC-WI-927-90.0

COIL NO.	EQUIPMENT OR SYSTEM SERVED	TOTAL MBH	AIR DATA					WATER DATA					REMARKS				
			TOTAL CFM	FACE VEL (FPM)	ENT °F	LEAVE °F	MAX. P.D.	TOTAL GPM	TEMP °F	MAX. P.D.	ROWS	FIN PER INCH		NOMINAL SIZE			
CC-4B	FS-4	309	8050	490	74	57	55	54.8	0.65	49	42	51	4.4	4	16	33x72	INSTALL IN SERIES W/ EXIST. COOLING COIL
CC-5	FS-5	290	4070	350	88	75	54	53.9	0.49	64	42	51	3.2	4	16	33x51	SCH. I
CC-6	FS-6	413	6000	400	88	75	55	54.8	0.60	73	42	53	5.7	4	16	30x72	SCH. I

SCH. V

GRILLE DESIGNATION	NECK SIZE	NC-MAX		PS-MAX	
		DUCTS	NO DUCTS	DUCTS	NO DUCTS
A	6x6	30	25		.03
B	9x6				
C	9x9				
D	12x6				
E	12x9				
F	12x12				
G	15x9				
H	15x12				
I	15x15				
J	18x9				
K	18x18				
L	21x9				
M	21x12				
N	21x15				
O	21x21				
P	24x24				

COIL NO.	EQUIPMENT OR SYSTEM SERVED	TOTAL MBH	AIR DATA					WATER DATA					REMARKS		
			TOTAL CFM	FACE VEL (FPM)	ENT °F	LEAVE °F	MAX. P.D.	TOTAL GPM	TEMP °F	MAX. P.D.	ROWS	FIN PER INCH		NOMINAL SIZE	
PH-1	FS-7	320	16500	400	-5	40	0.22	13	180	130	0.4	2	10	16x5F	SIZE TO FIT EXIST. DUCTWORK
PH-4	FS-4	400	8050	490	-5	40	0.23	14	180	125	0.4	2	10	16x5F	SIZE TO FIT EXIST. DUCTWORK
PH-5	FS-5	297	6000	460	-5	40	0.21	12	180	130	0.4	2	18	33x5F	SCH. I
PH-6	FS-6	507	10,400	625	-5	40	0.36	23	180	136	1.5	2	10	24x100	SCH. I
H-3	FS-3	221	5100	850	40	80	0.63	8.5	180	130	0.3	2	15	18x4B	SCH. I
H-6	FS-6	287	6600	825	40	80	0.39	11	180	128	1.6	2	12	18x84	SCH. I

SCH. VII

SCH. V

BOILER NO.	LOCATION	SERVICE	BOILER HP	NET OUTPUT MBH	TOTAL SURFACE AREA SQFT	FURNACE VOLUME (CU. FT.)	NO. DEBOILER PASSES	BOILER PRESS (PSIG)	FLUE EFFCY (%)	STEAM PRESS (PSIG)	HOT WATER DATA: GPM, TEMP °F, ENT, LGV	FUEL GRADE	GAS TYPE	GAS INLET PRESS (IN W.G.)	ELECT. DATA (VOLTS/PH)	BOILER TYPE	REMARKS		
B-1	MER	HOT WATER HEAT SYSTEM	70	2037	350	360	3	100	14.8	87	100	130	180	N.O. 2 OIL	NAT. GAS	7	208-30	FIRE TUBE	SCH. I
B-2	MER	PROCESS STEAM	16.3	552	153	14.7	-	150	12	80	50	-	-	N.O. 2 OIL	NAT. GAS	7	115-10	FIRE TUBE	SCH. V
B-3	MER	WASTE STERILIZATION PROCESS STEAM	16.3	552	153	14.7	-	150	12	80	50	-	-	NAT. GAS	7	115-10	FIRE TUBE	EXISTING	

UNIT NO.	LOCATION	SYSTEM SERVED	MBH	MAX. LENGTH (FT.)	SHELL SIDE DATA					TUBE SIDE DATA										REMARKS					
					FLUID	FLOW RATE (GPM)	TEMP °F	HEAT TRANS AREA	MAX. P.D. (FT.)	FOULING FACTOR (PSIG)	DESIGN PRESS (PSIG)	TEST PRESS (PSIG)	FLUID	FLOW RATE (GPM)	TEMP °F	MAX. P.D. (FT.)	APPROX. VEL. (FPS)	NO. OF PASSES	FOULING FACTOR (PSIG)		DESIGN PRESS (PSIG)	TEST PRESS (PSIG)	DESIGN TEMP °F		
HE-1	MER	ENERGY RECOVERY FROM HEAT DISTILLATION HOT WATER	575	7	WATER	240	95	90.2	196	4	.001	150	300	WATER	30	50	88	1	.74	4	.001	125	250	-	IN CONDENSER WATER LINE
HE-2	MER	ENERGY RECOVERY FROM HEAT DISTILLATION	750	7	WATER	100	140	125	56	10	.001	150	300	WATER	30	60	10	1.5	2.5	4	.001	125	300	-	IN HOT WATER LINE (SPACE HEATING)
HE-3	RM 50	WASTE STERILIZATION (HEATING)	2300	6	WATER	250	BEGIN 125	FINAL 280	234	-	.001	150	-	STEAM	40	-	-	-	-	2	.001	125	250	375	TANK HEAT EXCHANGER
HE-4	RM 80	WASTE STERILIZATION (HEATING)	2300	6	WATER	250	BEGIN 125	FINAL 280	234	-	.001	150	-	STEAM	40	-	-	-	-	2	.001	125	250	375	TANK HEAT EXCHANGER
HE-5	RM 50	WASTE STERILIZATION (COOLING)	939	6	WATER	250	BEGIN 125	FINAL 100	126	-	.001	150	-	WATER	185	85	95	1	-	2	.001	125	250	375	TANK HEAT EXCHANGER
HE-6	RM 80	WASTE STERILIZATION (COOLING)	939	6	WATER	250	BEGIN 125	FINAL 100	126	-	.001	150	-	WATER	185	85	95	1	-	2	.001	125	250	375	TANK HEAT EXCHANGER
HE-7	EDOP	ENERGY RECOVERY INCINERATOR	399	-	EXHAUST GAS	90	700	354	-	.2	-	-	-	WATER	50	125	141	1	-	1	.001	-	-	-	FOR 24" FLUE, 2 PASS & FINS/INCH
HE-8	MER	ENERGY RECOVERY FROM STEAM BOILER HEATER	123	-	EXHAUST GAS	100	300	195	-	.2	-	-	-	WATER	50	125	-	1	-	1	.001	-	-	-	FOR 24" FLUE, 2 PASS & FINS/INCH

SCH. VII

SCH. VII

SCH. I

SCH. V

SCH. I

SCH. V

SCH. VII

SCH. VII

UNIT NO.	CAP. TONS	EVAPORATOR				CONDENSER				POWER KW	REFRIG. ERANT	STEPS OF CAPACITY CONTROL	REMARKS
		FLOW GPM	ENT. WATER TEMP °F	LGV. WATER TEMP °F	MAX. P.D. FT.	FLOW GPM	ENT. WATER TEMP °F	LGV. WATER TEMP °F	MAX. P.D. FT.				
CH-1	77.5	188	52	42	10.1	240	85	95	12.7	1200	7	EXIST. TO BE RELOCATED	
CH-2	94.8	228	52	42	13	282	85	95	17	1345	4	SCH. IV	

SCH. I

COIL NO.	EQMT SERVED	TOTAL MBH	AIR DATA					STEAM SIDE					REMARKS
			TOTAL CFM	FACE VEL.	ENT °F	LEAVE °F	MAX. P.D.	SIZE	NO ROWS	FIN PER INCH	FOULING FACTOR	PSIG	
SC-1	WF-1	36,300	600	384	-5	30	0.03	5'x8'	1	33	0.001	50	SCH. I

REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB MADISON, WISCONSIN				
EQUIPMENT SCHEDULES COILS, GRILLES, CHILLER & HE				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
11/78	W.J./W.G.	J.D.	D.G.	DEC-WI-927-91.0

PLUMBING FIXTURE SCHEDULE									
FIXTURE SYMBOL	FIXTURE NAME	PIPING CONNECTIONS							
		WASTE	VENT	C.W.	H.W.	STEAM	OUTLET	D.W.	REMARKS
WC	WATER CLOSET	4"	2"	1"	—	—	—	—	—
L-A	LAVATORY	1 1/2"	1 1/2"	3/8"	3/8"	—	—	—	—
L-B	LAVATORY	1 1/2"	1 1/2"	3/8"	3/8"	—	—	—	—
U	URINAL	2"	1 1/2"	3/4"	—	—	—	—	—
SH	SHOWER	2"	1 1/2"	1/2"	1/2"	—	—	—	—
S-A	LAB SINK	1 1/2"	1 1/2"	1/2"	1/2"	—	—	—	—
S-L	CUP SINK	1 1/2"	1 1/2"	1/2"	—	—	—	—	IN FUME HOOD
S-M	LUNCH SINK	1 1/2"	1 1/2"	1/2"	1/2"	—	—	—	—
PH	PHOTOGRAPHY SINK	1"	1 1/2"	1/2"	1/2"	—	—	1/2"	—
N	NECROPSY	1 1/2"	1 1/2"	1/2"	1/2"	—	—	—	—
EEW	EMERGENCY EYE WASH	1 1/2"	1 1/2"	1/2"	—	—	—	—	—
ES	EMERGENCY SHOWER	1 1/2"	1 1/2"	1 1/4"	—	—	—	—	—
EEW	EMERGENCY EYE WASH	1 1/2"	1 1/2"	1/2"	—	—	—	—	—
SV	SOAKING VAT	—	—	—	—	3/4"	—	1/2"	STEAM HEATED
TV	TEMPERING VALVE	—	—	3/4"	3/4"	—	3/4"	—	—
MS-1&2	MIXING STATION	—	—	3/4"	—	3/4"	3/4"	—	—
DF	DRINKING FOUNTAIN	1 1/4"	1 1/2"	3/8"	—	—	—	—	—
DW	DISTILLED WATER	—	—	—	—	—	—	1/4"	—
MB	MOP BASIN	3"	2"	—	—	—	—	—	—
MS-3	MIXING STATION	—	—	1/2"	1/2"	—	3/4"	—	—

TANK SCHEDULE						
LOCATION	EQUIPMENT AND SYSTEM SERVED	FLUID	CAPACITY (GAL.)	WORKING PRESS.	DIA. X LENGTH	REMARKS
OUTSIDE	FUEL STORAGE	NO.2 OIL	10,000	—	7-11" X 30' 6"	SCH. IV
MER.	FUEL TRANSFER	NO.2 OIL	50	—	—	SCH. IV
MER.	CONDENSATE RECEIVER	HOT H <sub>2</sub> O	32	—	2'-10" X 1'-1"	EXIST. - RELOCATED SCH. I
MER.	CONDENSATE RECEIVER	HOT H <sub>2</sub> O	32	—	2'-10" X 1'-1"	SCH. V
OUTSIDE	WASTILE & CAUSTIC CHEM.	CHEM.	50	—	—	SCH. I
MER.	MAKE-UP STORAGE	WATER	66	—	14" X 5'-0"	VERTICAL TANK SCH. I
MER.	DISTILLED H <sub>2</sub> O STORAGE	DIST. H <sub>2</sub> O	500	—	4'-2" X 4'-1"	SCH. I
MER.	BLOW DOWN	STEAM	15	125 (PSIG)	1'-0" X 2'-9"	SCH. V
RN. 30	WASTE STERILIZATION	TOXIC	2500	125 (PSIG)	6'-0" X 12'-0"	VERTICAL TANK SCH. I
RM. 50	WASTE STERILIZATION	WASTE	2500	125 (PSIG)	6'-0" X 12'-0"	VERTICAL TANK SCH. V
MER.	EXPAN. TANK - CHILLER	WATER	30	125 (PSIG)	1'-2" X 4'-3"	EXIST. - RELOCATED SCH. I
MER.	EXPAN. TANK - BOILER	WATER	30	125 (PSIG)	1'-1" X 5'-1/2"	SCH. I

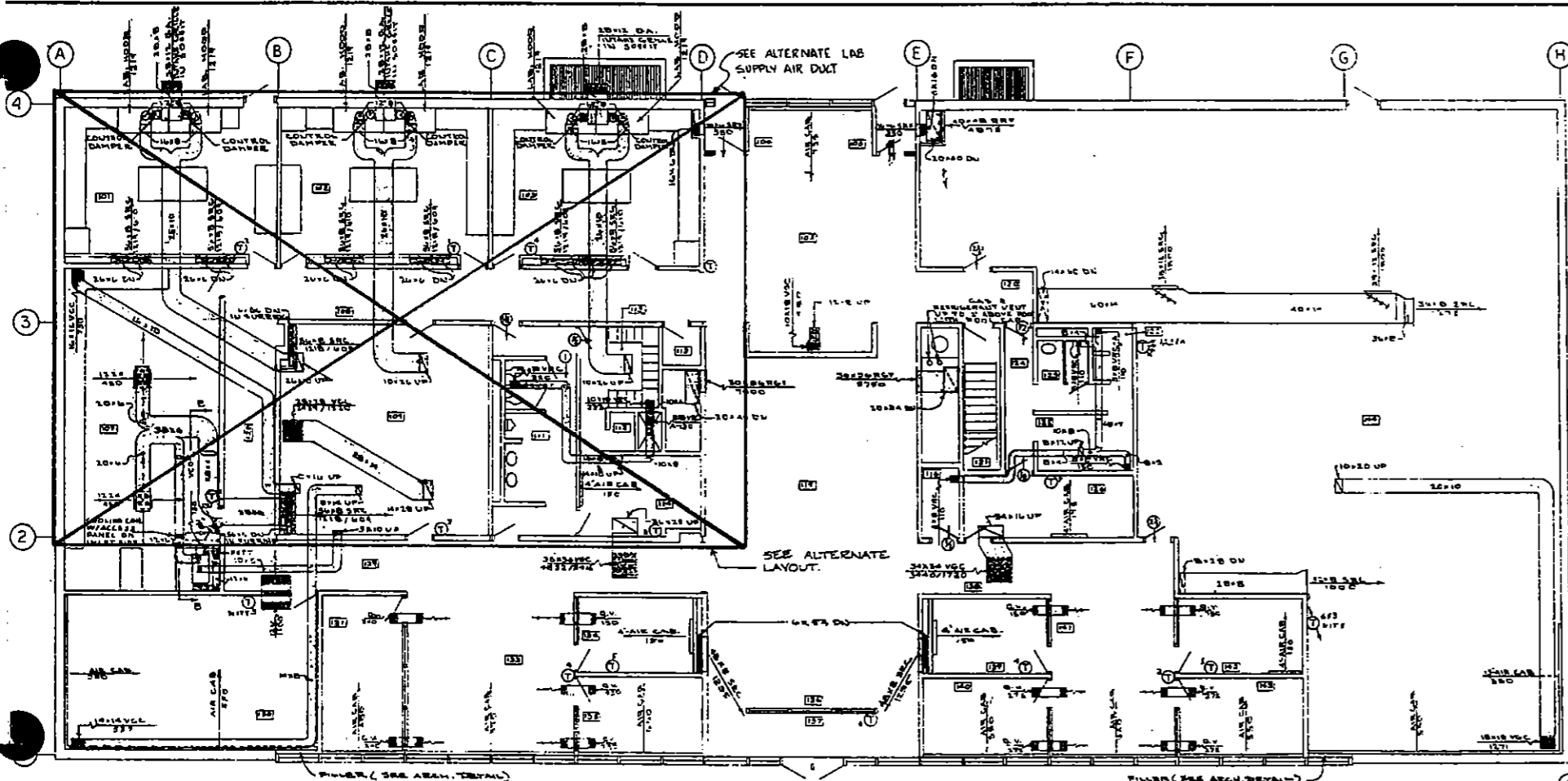
EQUIPMENT SCHEDULE: STERILIZERS, STILL AND WASHER													
UNIT SYMBOL	LOCATION RMS.	ITEM	UTILITIES CONSUMPTION				PIPING CONNECTION				ELECTRIC (VOLT/PHASE)	VENT SIZE	REMARKS
			WATER (GPH)	STEAM (LBS/HR)	DIST. H <sub>2</sub> O (GPH)	EL. (AMPS)	COLD H <sub>2</sub> O (GPH)	STEAM (LBS/HR)	STEAM RETURN	DRAIN ODT			
STER-1	54, 100, 14	STERILIZER	180	60	—	3	3/8"	1"	3/4"	2"	110/1φ	—	GF-CI SCH. V
STER-2	16	STERILIZER	90	60	—	3	3/8"	3/8"	3/8"	1 1/2"	110/1φ	—	GF-CI SCH. I
STER-3	MER.	STERILIZER	180	60	—	3	3/8"	1"	3/4"	2"	110/1φ	—	GF-CI SCH. I
STER-4	MER.	STERILIZER	400	255	—	27	1/2"	1"	3/4"	2"	208/3φ	—	1 1/2" H.P. PUMPS SCH. VII
ST	MER.	STILL	—	450	—	15	1/2"	3/4"	3/4"	2"	110/1φ	—	SCH. I
GW	34	GLASSWARE WASHER	25 GPM	25 LBS/CYC	15 GPM	15	1/2"	3/4"	1/2"	2"	208/3φ	0"	GF-CI 1" HOT WATER 3/8" DISTILLED WATER SCH. I
	MER.	GLASSWARE DRYER	—	—	—	0.1KW	—	—	—	—	208/3φ	4"	GF-CI SCH. I
	MER.	SOFTENER	—	—	—	—	1 1/4" CW	—	—	3/4"	—	—	EXISTING
	MER.	HOT AIR STERILIZER	—	—	—	—	—	—	—	—	208/3φ	4"	GF-CI SCH. I
	42, 103	FUME HOOD	—	—	—	—	1/2"	—	—	—	110/1φ	—	S-L, CUP SCH. III VI
			—	—	—	—	—	—	—	—	208/3φ	—	—
ST	34	STILL	26	—	5	8800W	1/8"	—	—	1/2"	220/1φ	—	GF-CI SCH. I 1/8" DISTILLED WATER

EVAPORATOR SCHEDULE: FREEZER AND COOLER REFRIGERATION						
UNIT	SYSTEM SERVED	CAPACITY	TEMP. DIFF.	FLOW	MOTOR WATTAGE	CHARGE
E1&2	FREEZERS	13,000 BT.U.H. EA.	10°F	1840 CFM	(2) 20	4.3 (LB)
E3&4	COOLERS	8,500 BT.U.H. EA.	10°F	1240 CFM	(3) 20	2.9 (LB)

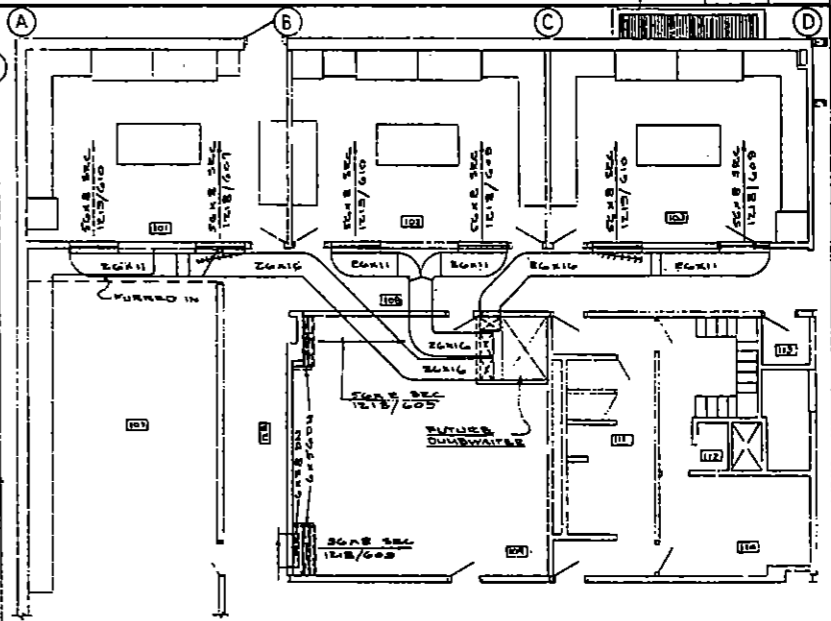
(1) SCH. I AND (1) SCH. III  
(1) SCH. I, (1) SCH. V AND (1) SCH. VII

CONDENSING UNIT SCHEDULE: FREEZER AND COOLER REFRIGERANT								
SYSTEM SERVED	CAPACITY	SUCTION TEMP. °F	AMBIENT AIR TEMP. °F	POWER R.L.A.	ELECT. VOLT. (NOMINAL)	REFRIG. ERANT	RECEIVER CAP. 80% FULL	REMARKS
FREEZER	22,400 BT.U.H. EA.	-30°F @ 2.4 (PSIG)	90°F	33	208/3φ	7 1/2	R502	(2) UNITS - AIR & WATER COOLED (1) SCH. I AND (1) SCH. VII
COOLER	19,500 BT.U.H.	30°F @ 2.5 (PSIG)	90°F	10.1	208/3φ	2	R22	AIR & WATER COOLED SCH. I

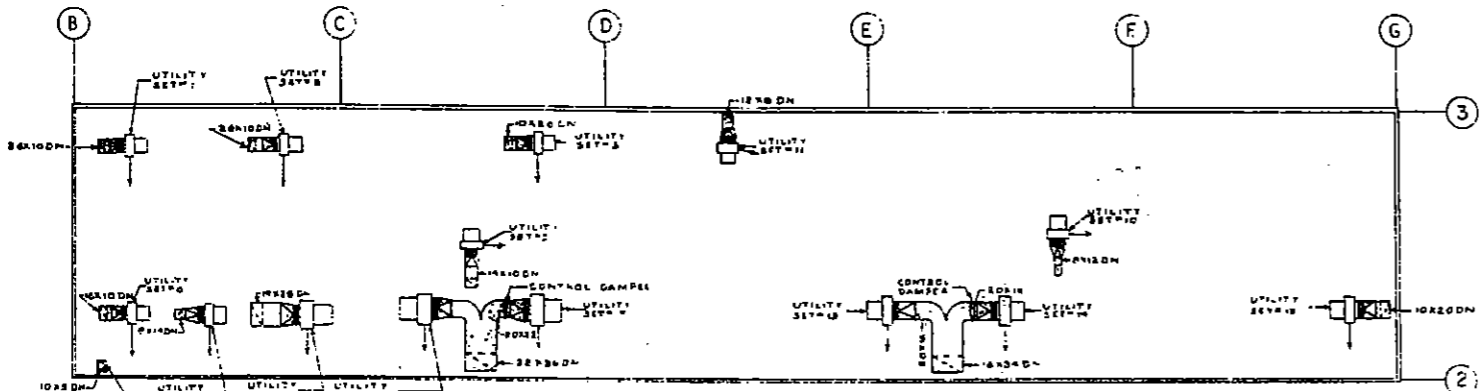
REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB			PLUMBING AND STERILIZER EQUIPMENT SCHEDULES	
MADISON, WISCONSIN				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
4/78	W.J./W.G.	J.D./W.C.	D.G.	DEC. WI-927-920



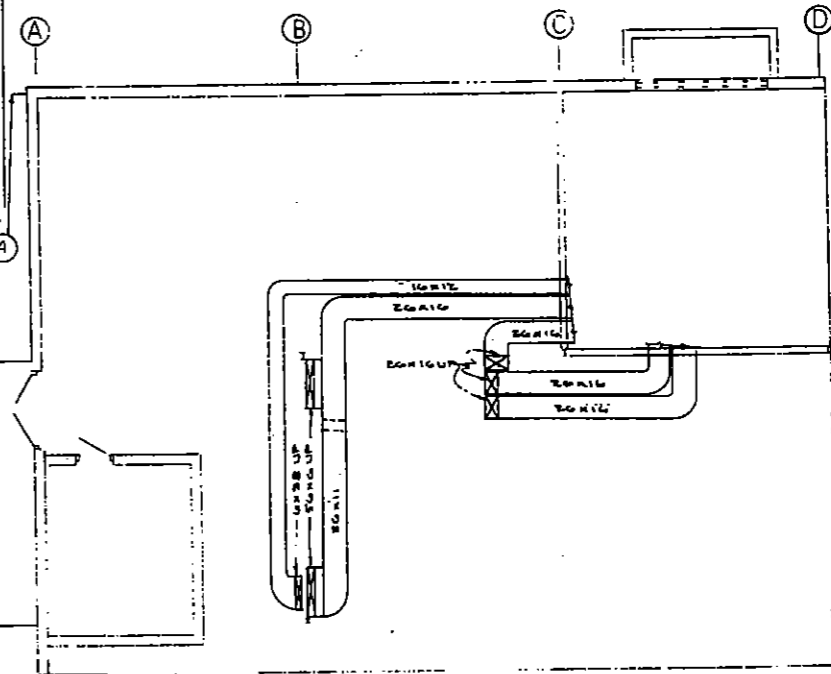
FIRST FLOOR PLAN  
SCALE 1/8"=1'-0"



ALTERNATE LAB. SUPPLY AIR DUCT WORK-FIRST FLOOR  
SCALE: 1/8"=1'-0"

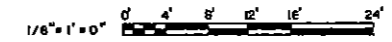


PARTIAL ROOF PLAN  
SCALE 1/8"=1'-0"

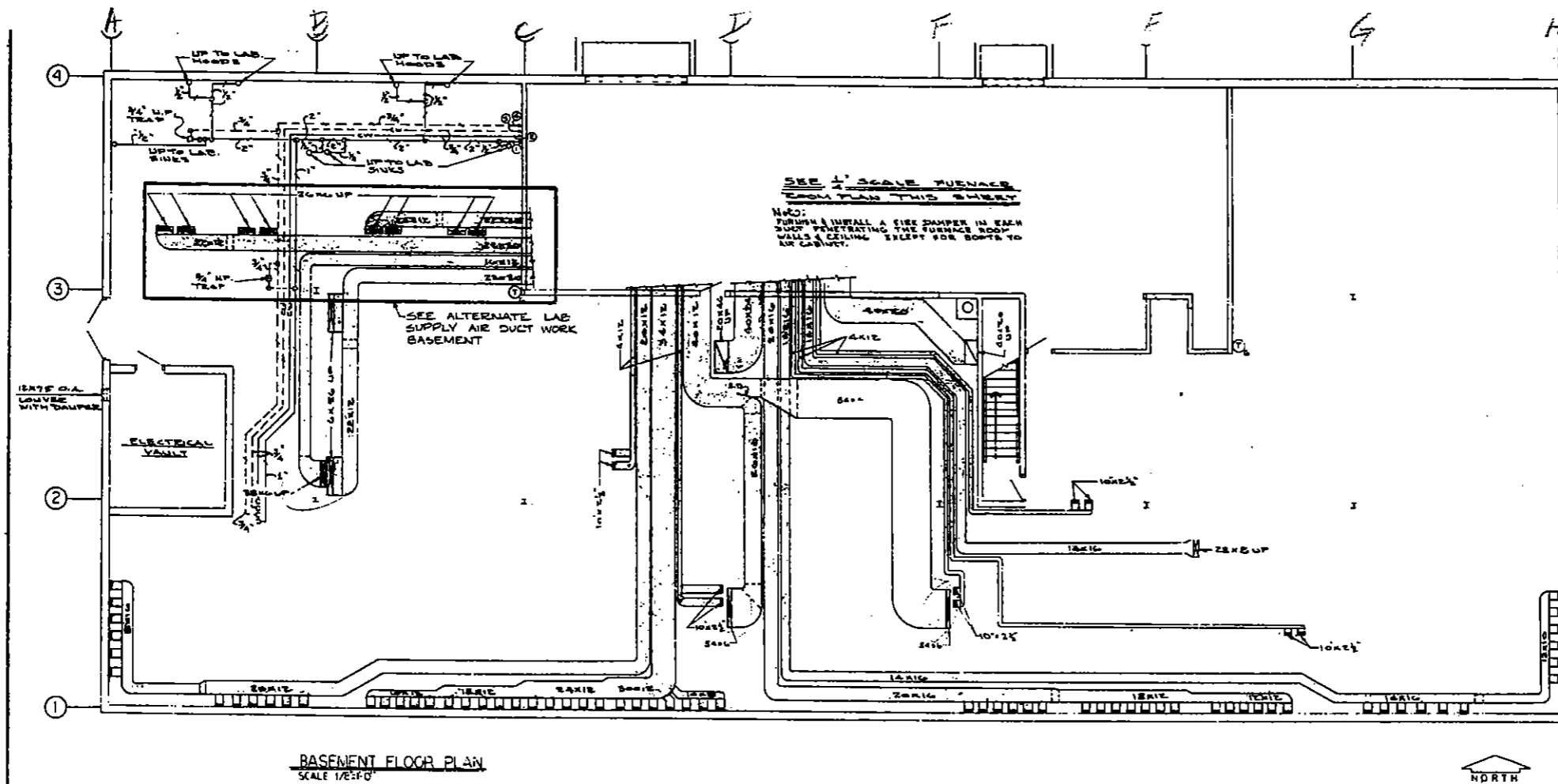


ALTERNATE LAB. SUPPLY AIR DUCT WORK-BASEMENT  
SCALE: 1/8"=1'-0"

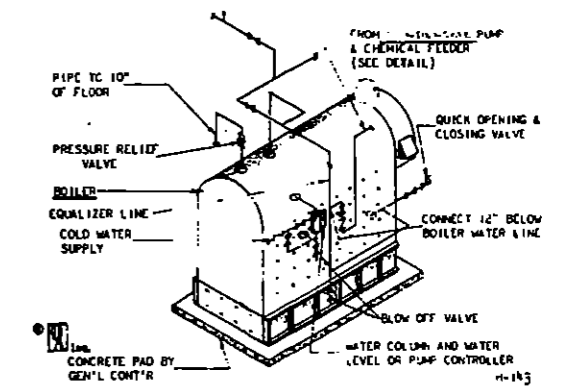
**NOTE:**  
THIS DRAWING SHOWS EXISTING WORK ONLY  
NEW WORK SHALL BE DONE ACCORDING TO  
NEW CONTRACT DRAWINGS. EQUIPMENT SHOWN  
ON THIS DRAWING, BUT NOT ON NEW WORK  
DRAWINGS SHALL BE REMOVED.



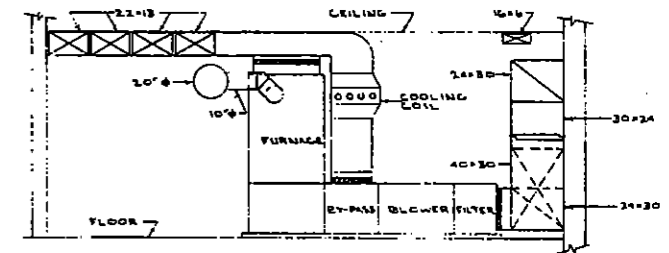
REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB				
EXISTING FIRST FLOOR AND ROOF DUCTWORK				
MADISON, WISCONSIN				
DATE 9/78	DESIGNED T.F.	DRAWN J.D.	CHECKED D.G.	DRAWING NO. DEC. WI-927-93.0



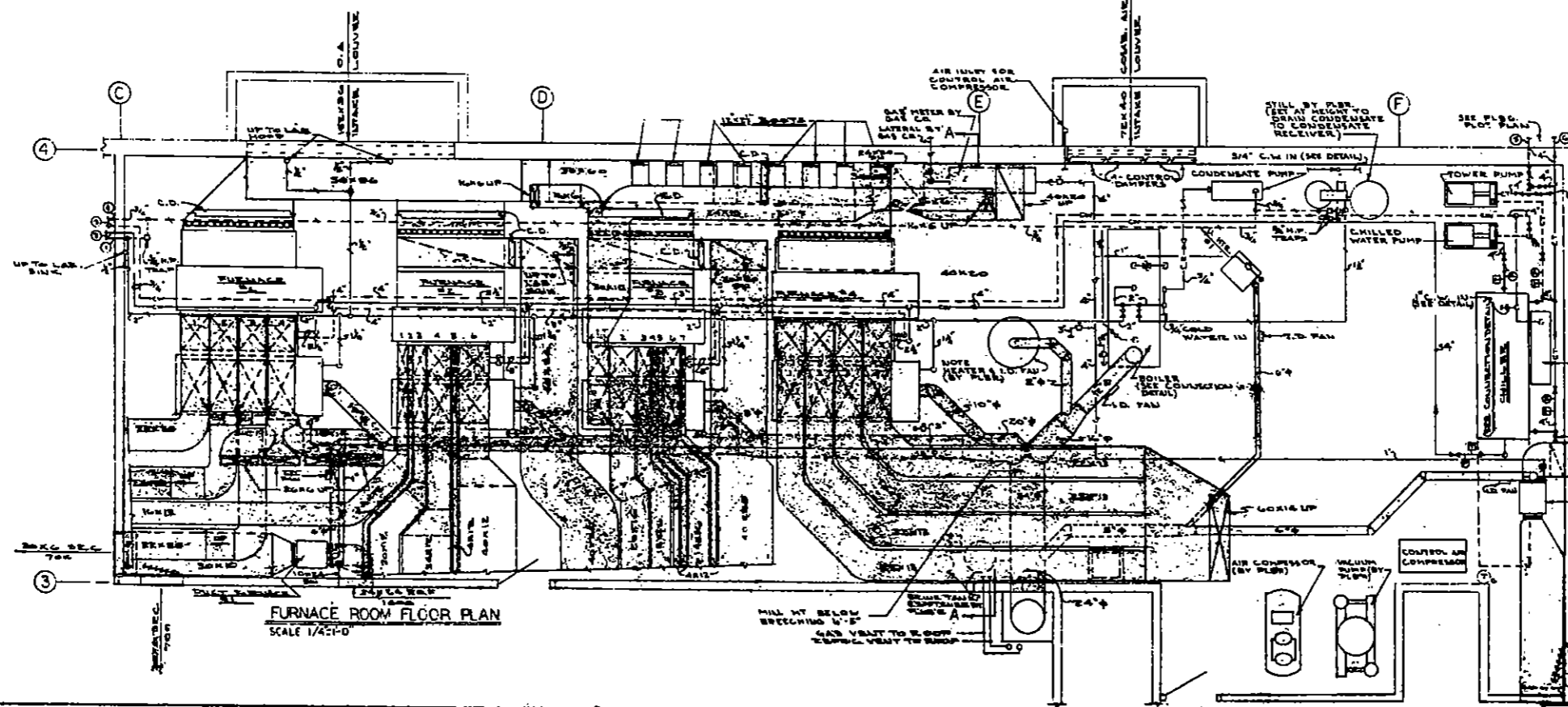
BASMENT FLOOR PLAN  
SCALE 1/8"=1'-0"



STEAM BOILER (STEEL)  
NO SCALE



SECTION A-A  
1/4"=1'-0"



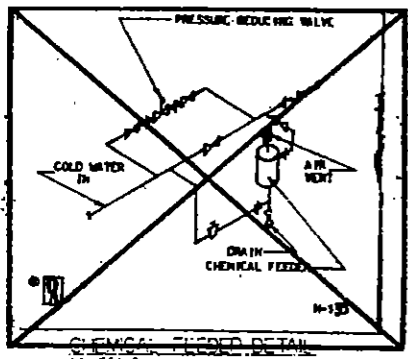
FURNACE ROOM FLOOR PLAN  
SCALE 1/4"=1'-0"

**NOTE:**  
THIS DRAWING TO SHOW EXISTING WORK ONLY. NEW WORK SHALL BE DONE ACCORDINGLY TO NEW CONTRACT DRAWINGS. EQUIPMENT SHOWN ON THIS DRAWING, BUT NOT SHOWN ON NEW WORK DRAWINGS SHALL BE REMOVED.

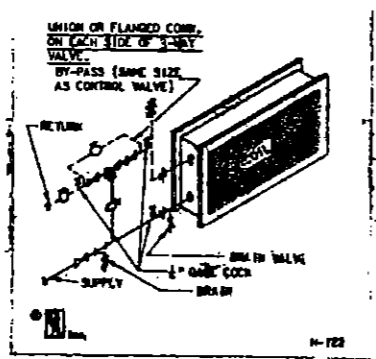
REVISION	STATUS	DATE	DESCRIPTION	BY

NATIONAL WILDLIFE HEALTH LAB  
MADISON, WISCONSIN  
EXISTING DUCTWORK BASEMENT

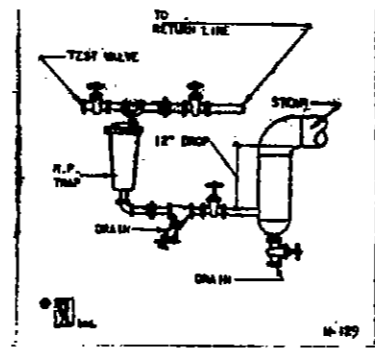
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
9/78	T.P.	J.D.	D.G.	DEC-W 1-927-94.0



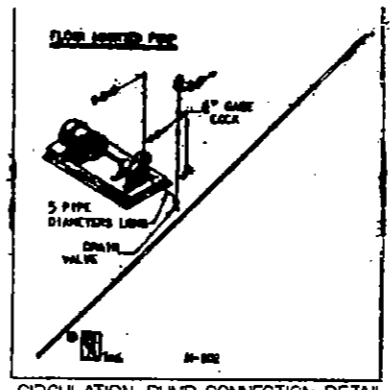
CHEMICAL FEEDER DETAIL  
1/4" SCALE  
FOR CHILLED WATER & COLD WATER TO CONDENSATE PUMP.



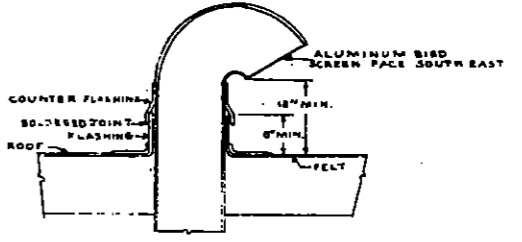
A/C UNIT COOLING COIL CONNECTION DETAIL  
1/4" SCALE



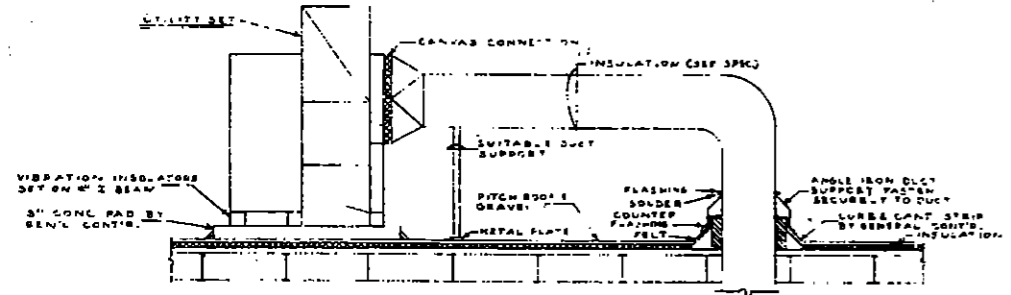
HIGH PRESSURE STEAM TRAP DETAIL  
1/4" SCALE



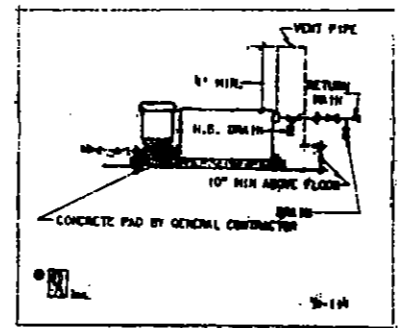
CIRCULATION PUMP CONNECTION DETAIL  
1/4" SCALE



GOOSENECK DETAIL  
1/4" SCALE



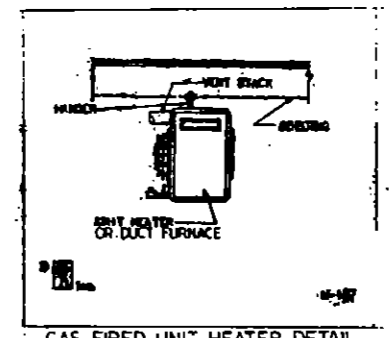
TYPICAL ROOF MOUNTED UTILITY SET DETAIL  
1/4" SCALE



CONDENSATE PUMP CONNECTION DETAIL  
1/4" SCALE

PIPE SCHEDULE

Pipe Size	Weight	Capacity	Weight Per Foot
1/2" to 2"	6' or less	6' or less	1/2"
2 1/2" - 3 1/2"	10' or less	8' or less	1/2"
4" - 5"	10' or less	8' or less	3/8"
6" and over	17' or less		3/4"



GAS FIRED UNIT HEATER DETAIL  
1/4" SCALE

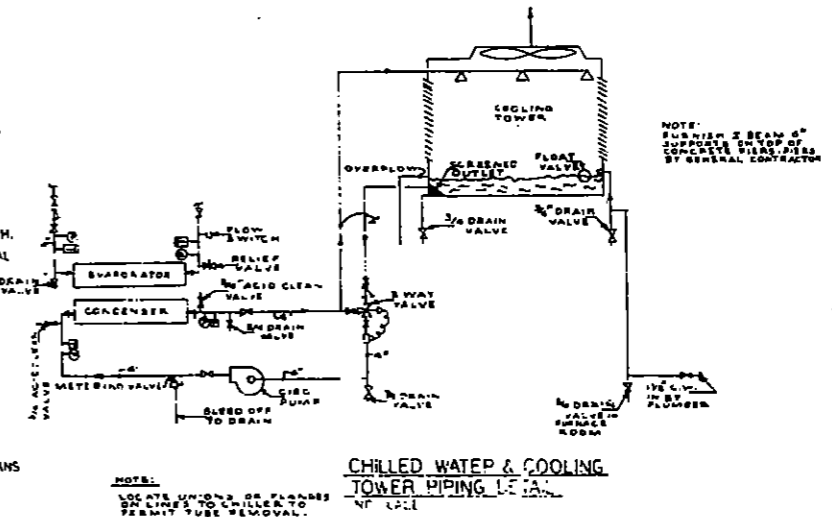
REQUIRED CONNECTIONS FOR SHEET METAL DUCTS  
(See specifications for heavier gauges and bracing at special locations)

Sheet U.S. Std. Gage	Aluminum B & S Gage	Duct Dimension In Inches	Required Construction Transverse Joints and Bracing
26	24(0.020)	14 thru 12	5 slip, drive slip, 1 in. pocket lock on 8 ft. centers.
24	22(0.025)	13 thru 18 19 thru 30	5 slip, drive slip, 1 in. pocket lock on 8 ft. centers. 5 slip, 1 in. pocket lock on 4 ft. centers. 8 slip, 1 in. pocket lock on 8 ft. centers with 1 X 1 X 1/8 in. angle 4 ft. from joint. 8 slip, 1 in. pocket lock on 8 ft. centers with cross brace 1 in. standing seam on 5 ft. centers.
22	20(0.032)	31 thru 42	1 in. standing S cleat, bar slip, pocket lock on 4 ft. centers. 1 in. standing S cleat, bar slip, pocket lock on 8 ft. centers with 1 X 1 X 1/8 in. angle 4 ft. from joint. 1 in. standing seam on 4 ft. centers. Longitudinal standing seam with 1 X 1 X 1/8 in. angle on 4 ft. centers.
20	18(0.040)	43 thru 54	1-1/2 in. standing S cleat, bar slip, pocket lock on 4 ft. centers. 1-1/2 in. standing S cleat, bar slip, pocket lock on 8 ft. centers with 1-1/2 X 1-1/2 in. angle 4 ft. from joint. 1-1/2 in. standing seam on 3 ft. centers.
		55 thru 60	Longitudinal standing seam inside with 1-1/2 X 1-1/2 X 1/8 in. angles on 4 ft. centers.
18	16(0.051)	61 thru 84	1-1/2 in. standing S cleat, bar slip, pocket lock on 4 ft. centers with 1-1/2 X 1-1/2 X 1/8 in. angles 2 ft. from joint. 1-1/2 in. standing S cleat, bar slip, pocket lock on 8 ft. centers with 1-1/2 X 1-1/2 X 1/8 in. angles on 3 ft. centers. Longitudinal standing seam inside with 1-1/2 X 1-1/2 X 1/8 in. angles on 2 ft. centers.
		Over 84	1-1/2 in. standing S cleat, bar slip, pocket lock reinforced with 2 X 2 X 1/4 in. angles, or companion angles on 2 ft. centers. 1-1/2 in. standing S cleat, bar slip, pocket lock reinforced with 2 X 2 X 1/4 in. angles, or companion angles on 8 ft. centers with 1-1/2 X 1-1/2 X 1/8 in. angles on 2 ft. centers. Longitudinal standing seam inside with 2 X 2 X 1/4 in. angles on 2 ft. centers.

- SYMBOL SCHEDULE
- G — GAS LINE
  - S — LOW PRESSURE STEAM SUPPLY 45°
  - R — LOW PRESSURE CONDENSATE RETURN 45°
  - C — CONDENSATE PUMP DISCHARGE
  - CH — CHILLED WATER SUPPLY
  - CR — CHILLED WATER RETURN
  - CT — TO COOLING TOWER
  - F — FROM COOLING TOWER
  - T — FLOAT AND THERMOSTATIC TRAP
  - E — ECCENTRIC REDUCER
  - Q — QUICK OPENING AND CLOSING VALVE
  - I — INDICATE 45° OR 90° OFF TOP
  - B — INDICATE 45° OFF BOTTOM
  - G — GATE VALVE
  - G — GLOBE VALVE
  - U — UNION
  - S — STRAINER
  - T — TEMPERATURE CONTROL VALVE
  - P — PRESSURE REDUCING VALVE
  - G — PRESSURE GAGE
  - M — 3 WAY MIXING OR BY PASS VALVE
  - V — AIR VENT OR RELIEF VALVE
  - T — THERMOMETER OR TEMPERATURE GAGE
  - C — STOP COCK
  - F — FLOW CONTROL
  - T — THERMOSTAT
  - G — DOOR GRILLE (NG. INDICATES FT<sup>2</sup> FREE AREA)
  - V — VENT OR RETURN AIR DUCT
  - O — OUTSIDE OR SUPPLY AIR DUCT
  - F — FIRE DAMPER
  - V — VOLUME CONTROL DAMPER
  - S — SPLITTER DAMPER
  - U — PROPPELLER UNIT HEATER
  - Q — QUIET VENT
  - R — RETURN REGISTER FLOOR
  - V — VENT REGISTER CEILING
  - A — AIR TURNS
  - G — VENT GRILLE CEILING
  - S — SUPPLY REGISTER CEILING
  - C — CONTROL DAMPER
  - I — INDUCED DRAFT FAN

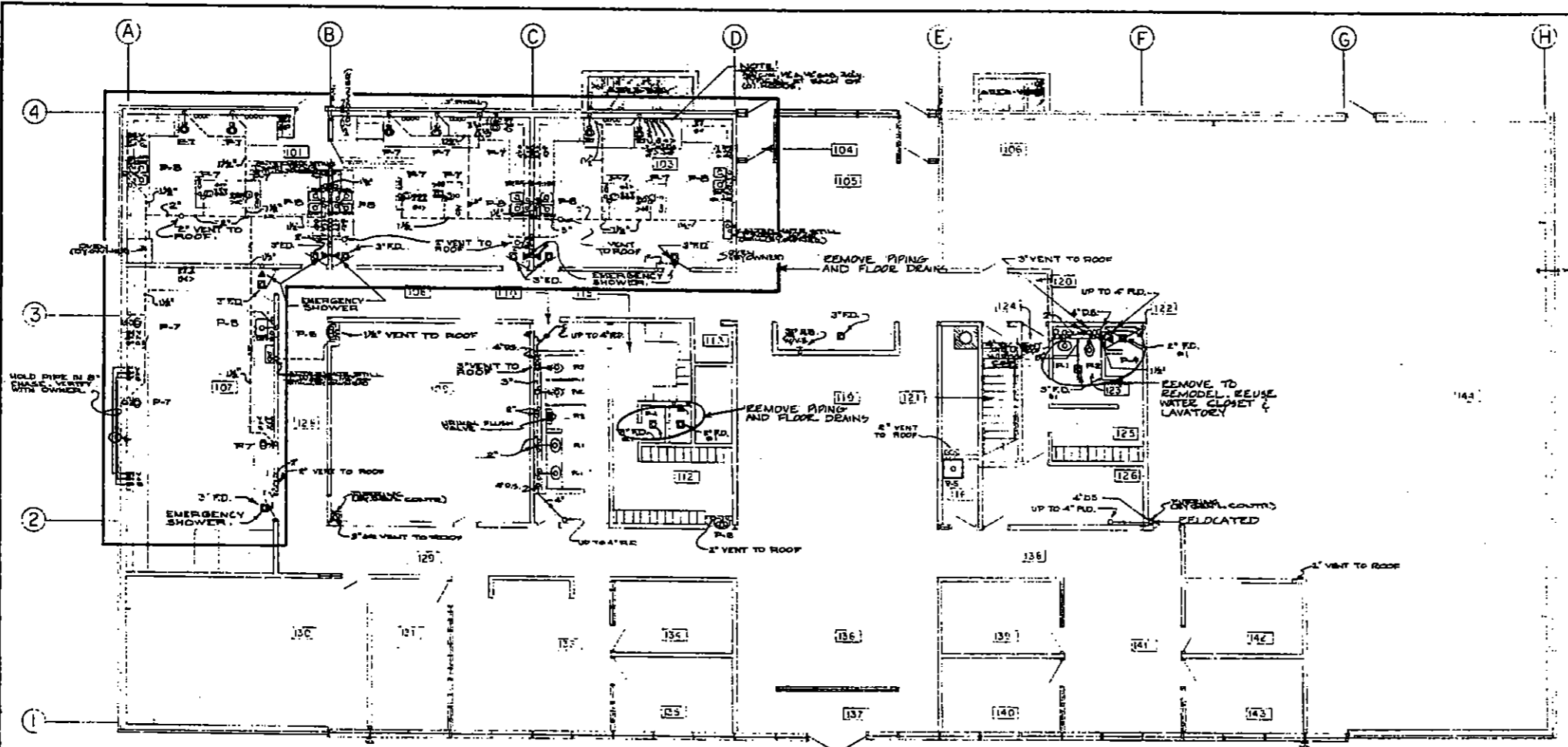
- NOTES
1. ALL GATE VALVES ARE TO BE BRONZE STEM VALVES WITH STEM VERTICALLY UPWARD OR 45° ABOVE THE HORIZONTAL AXIS.
  2. ALL STRAINERS AND SWING CHECK VALVES SHALL BE INSTALLED IN HORIZONTAL LINES.
  3. ALL STEAM PIPING SHALL PITCH 1/2" TO 20" DOWNWARD IN DIRECTION OF FLOW EXCEPT FOR RUNOUTS OR FOR MARK OTHERWISE INDICATED.
  4. ALL PIPING SHALL BE SECURELY SUPPORTED AND INDIVIDUALLY SUSPENDED.
  5. ALL EQUIPMENT SHALL BE SUPPORTED ABOVE THE FLOOR BASE.
  6. STRAIGHT GAS LINE PRECEDING FRY MUST BE 2 FT.
  7. INCREASE ALL RELIEF LINES ONE SIZE FOR EACH 20 FT. OF LENGTH. RELIEF LINES TO VENT TO OUTSIDE. AREA OF RELIEF LINE TO EQUAL TOTAL CONNECTED AREA OF EACH RELIEF CUTLET.
  8. ALL PIPING CONNECTIONS TO EQUIPMENT MUST BE MADE WITH UNIONS OR FLANGES.
  9. NO GRILLE OR PORTION THEREOF SHALL PROJECT VERTICALLY INTO THE AIR STREAM.
  10. ALL DUCT DIMENSIONS SHOWN ARE FINISHED INSIDE DIMENSIONS.
  11. ALL BOOTHS ARE TO BE 12" X 1/2" UNLESS OTHERWISE INDICATED.
  12. ALL EQUIPMENT WITH MORE THAN ONE ZONE SHALL HAVE A MANUAL VOLUME DAMPER IN EACH ZONE.
  13. ALL BREACHING MUST HAVE 90° RIGHT ANGLE TURNS. ALL TURNS EXCEPT AT STACK MUST CONSIST OF 2-45° TURNS.
  14. PROVIDE DUCT ACCESS PANELS AT ALL FIRE DAMPERS, CONTROL DAMPERS.
  15. ALL DUCT CONNECTIONS TO EQUIPMENT MUST BE MADE WITH CANVAS CONNECTIONS.

NOTE: THIS DRAWING SHOWS DETAILS OF EXISTING WORK ONLY. IT SHALL NOT BE USED FOR NEW WORK.

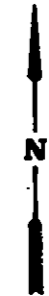


CHILLED WATER & COOLING TOWER PIPING DETAIL  
1/4" SCALE

REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB				
EXISTING HEATING DETAILS				
MADISON, WISCONSIN				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
9/78	T.P.	J.D.	D.G.	DEC-WI-927-95.0



FIRST FLOOR PLAN  
SCALE 1/8"=1'-0"

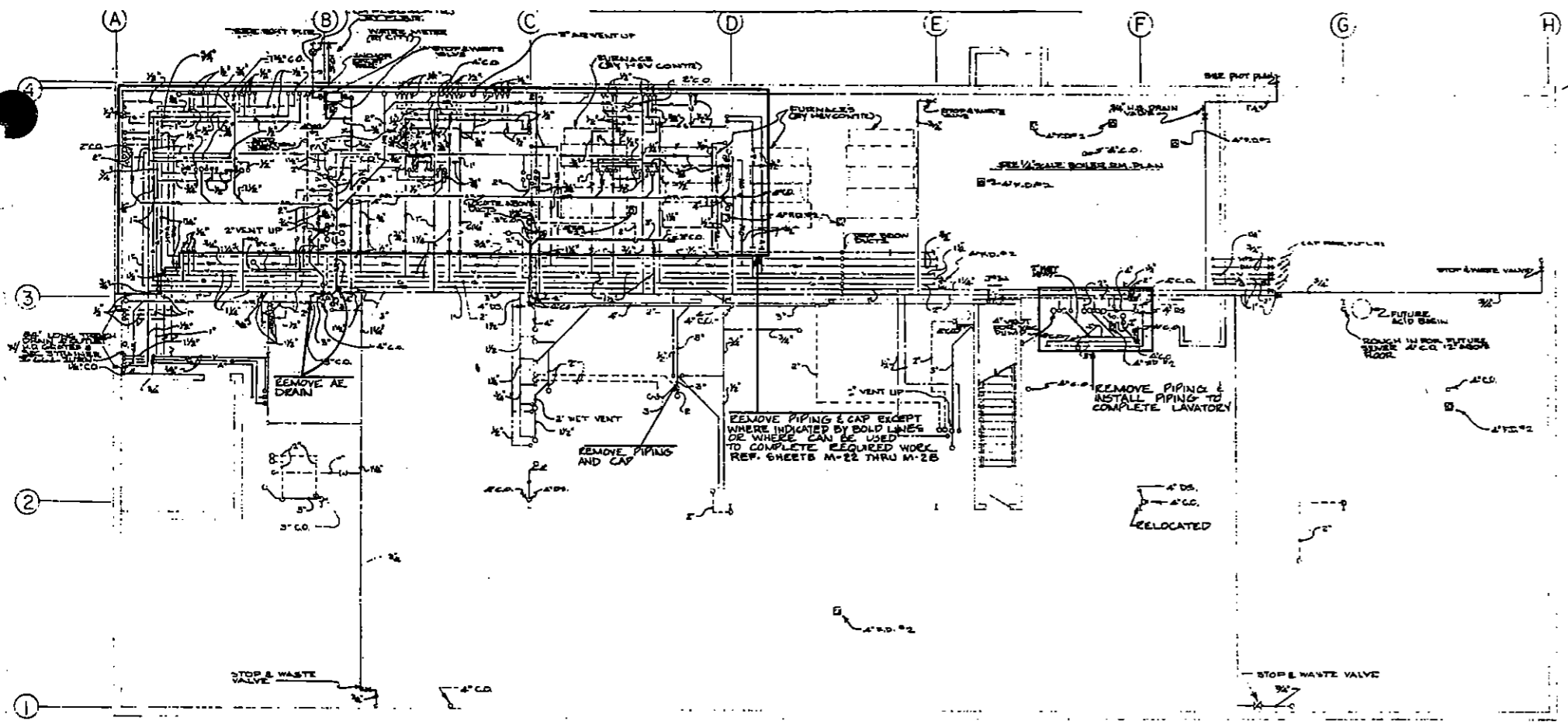


**NOTE**  
REMOVE PIPING AND ITEMS  
NOT BEING RE-USED



REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB MADISON, WISCONSIN <b>EXISTING FIRST FLOOR PLUMBING</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
4/78	W.J./W.G.	W.C.	D.G.	DEC. WI. 927-96.0
				SHT. 11 OF 44





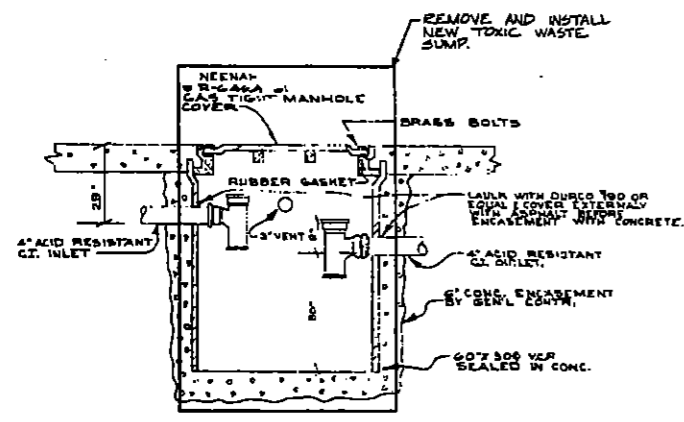
**PLUMBING FIXTURE SCHEDULE**

P. NO.	FIXTURE NAME	WASTE	VENT	C.W.	H.W.
P-1	LAVATORY	1 1/2"	1 1/2"	1/2"	1/2"
P-2	WATER CLOSET	4"	2"	1"	—
P-3	URINAL	2"	1 1/2"	3/4"	—
P-4	SHOWER	2"	1 1/2"	1/2"	1/2"
P-5	SERVICE RECEPTOR	3"	2"	1/2"	1/2"
P-6	WATER COOLER	1 1/2"	1 1/2"	1/2"	1/2"
P-7	CUP SINK	1 1/2"	1 1/2"	1/2"	—
P-8	LAB SINK	1 1/2"	1 1/2"	3/4"	1/2"

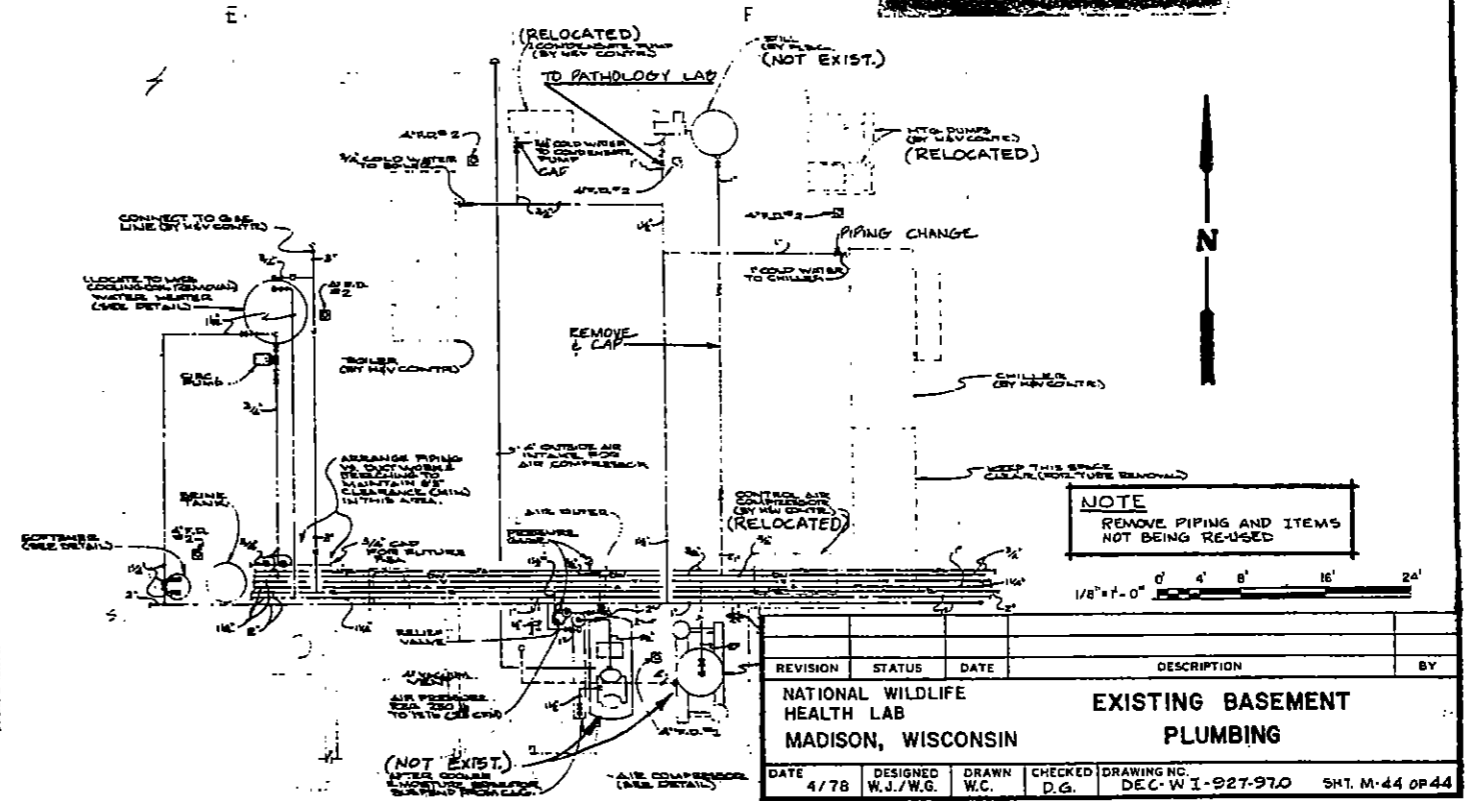
P-8, PUMP TO CONNECT 3/4" CUM TO EYE WASH SPRAY NOZZLE.

- NOTE:**
- ALL 45° VALVES ARE TO BE 1/2" VALVES WITH STEM VERTICALLY UPWARD OR 45° ABOVE HORIZONTAL AXIS.
  - ALL SWING CHECK VALVES SHALL BE INSTALLED IN HORIZONTAL LINES.
  - ALL PIPING SHALL PITCH 1/8" UPWARD FROM DRAIN VALVES.
  - ALL PIPING TO BE SECURELY SUPPORTED.
  - EACH AND EVERY WATER RISER AND FIXTURE CONNECTION SHALL HAVE AIR COMPRESSION CHAMBER.
  - ALL HORIZONTAL PIPING ABOVE CEILING EXCEPT AT BOILER ROOM.
  - ALL RISERS IN WALLS OR CHASE UNLESS OTHERWISE NOTED.

**BASEMENT FLOOR PLAN**  
SCALE 1/8" = 1'-0"



**ACID DILUTION BASIN**  
NO SCALE



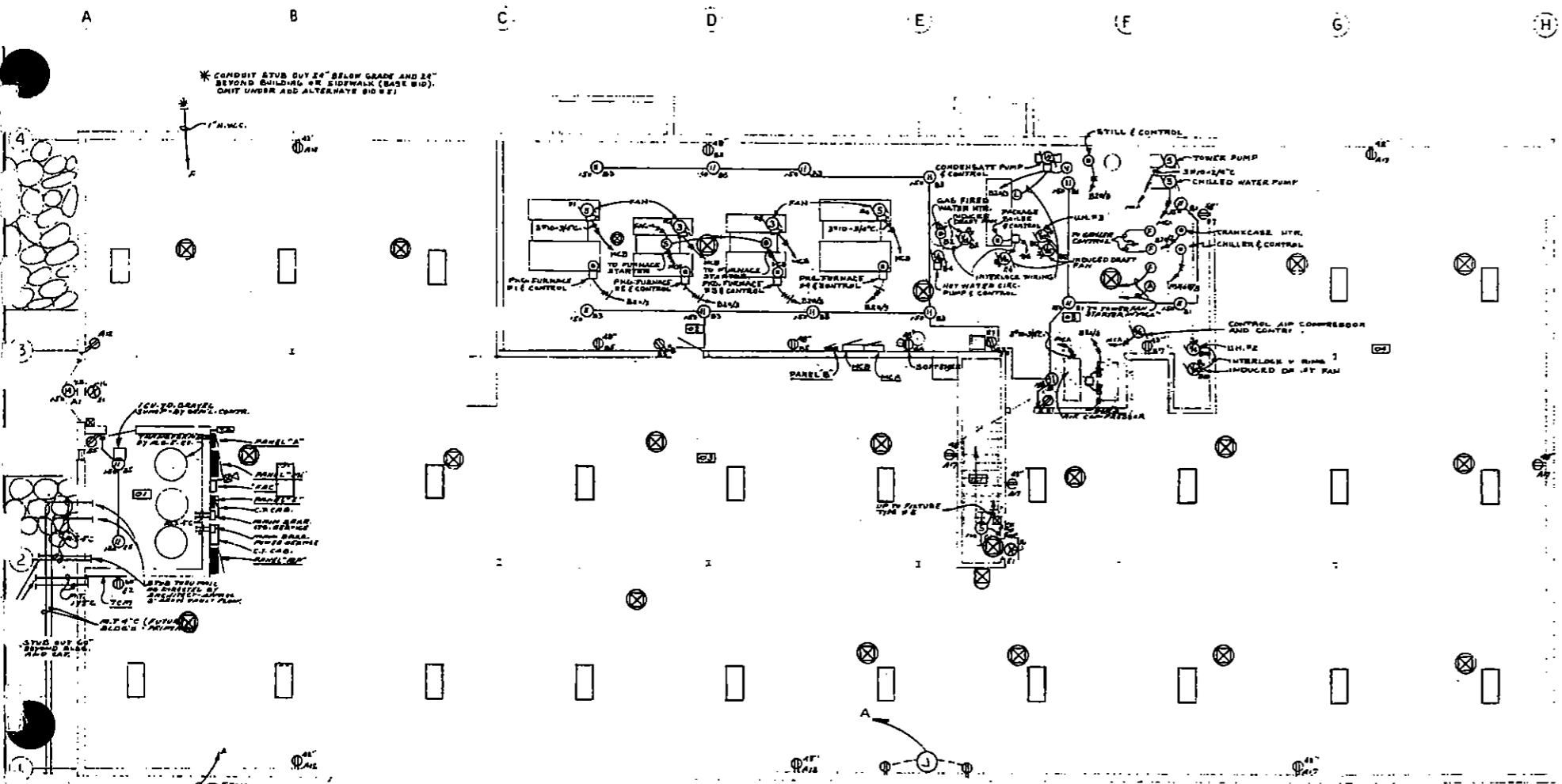
**NOTE**  
REMOVE PIPING AND ITEMS NOT BEING RE-USED

REVISION	STATUS	DATE	DESCRIPTION	BY
<b>NATIONAL WILDLIFE HEALTH LAB MADISON, WISCONSIN</b>				
<b>EXISTING BASEMENT PLUMBING</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
4/78	W.J./W.G.	W.C.	D.G.	DEC-WI-927-97.0
				SHT. M-44 OF 44



SYMBOL SCHEDULE

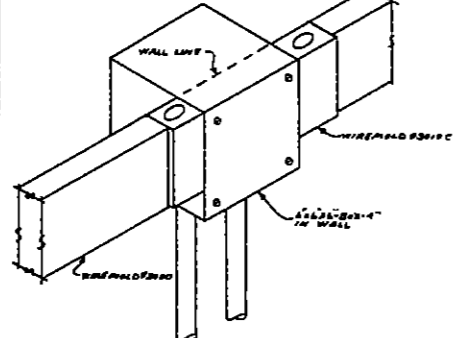
- LIGHTING FIXTURE OUTLET
- BRACKET FIXTURE
- RECESSED INCANDESCENT FIXTURE
- SURFACE MOUNTED FLUORESCENT FIXTURE
- RECESSED FLUORESCENT FIXTURE
- EXIT FIXTURE
- P & S #15AC1-1 - UP 48" OR AS NOTED
- P & S #15AC2-1 - UP 48" OR AS NOTED
- P & S #15AC3-1 - UP 48" OR AS NOTED
- HUBBELL 1297 PILOT SWITCH - UP 48" OR AS NOTED
- BUSS FUSTAT HOLDER WITH SWITCH. INSTALL WHERE REQUIRED.
- P & S 15AC1-1 AND #4505 COVER IN F.S. BOX
- HUBBELL 2022 COMMERCIAL DUTY DOOR OPERATED SWITCH. ADVISE GENERAL CONTRACTOR AS TO SIZE OF OPENING.
- "HAND-OFF-AUTO" CONTROL - IN STARTER. COVER AS INDICATED. SEE "NCA" AND "NCB".
- MULTI-SPEED CONTROL - BY OTHERS - UP 60" OR AS NOTED
- ATMOS #AE10 DIMMER CONTROL UNIT - UP 48"
- P & S #5242-1 - UP 12", TO CLEAR EQUIPMENT OR AS NOTED.
- P & S #5242-1 AND #4510 COVER IN CAST F.S. BOX. MOUNT HORIZONTALLY, UP 12".
- P & S #5242-1 SPLIT WIRED - UP 12", OR AS NOTED. SWITCH TOP HALF IN ROOM #126.
- LAB EQUIPMENT RECEPTACLE (BY OTHERS) WITH J-BOX AND GREENFIELD CONNECTION (BY ELECTRICAL CONTRACTOR).
- P & S 7310 20A 3P RECEPTACLE. MOUNT ON SIDE OF LAB TABLE, OR IN #3000 RACEWAY AS INDICATED - GROUND 3RD POLE.
- NATIONAL #300 FLOOR BOX WITH #3030C SERVICE FITTING. EXACT LOCATION AS DIRECTED.
- WIREMOLD #3000 PLUMBOLD WITH #3000 FEED BOX AS INDICATED - SEE DETAIL #5242 RECEPTACLES 30" O.C., #7310 RECEPTACLES 60" O.C. - MOUNT UP 48".
- SIERRA #2123 120V. CLOCK OUTLET - UP 96". SEE SPECS FOR PLATE AND FINISH.
- JUNCTION BOX - AS REQUIRED.
- URINAL FLUSH VALVE TIMER - BY OTHERS. INSTALL IN DEEP 3 GANG BOX WITH BLANK COVER.
- EQUIPMENT CONNECTION - AS NOTED
- MOTOR - H.P. INDICATED
- GROUND BINDS #EYS CONDUIT SEAL
- HEAVY DUTY DISCONNECT WITH COVER INTERLOCK - W.P. DENOTES WEATHERPROOF.
- KINNEY TYPE "B" TELEPHONE CABINET - SIZE AS NOTED ON RISER
- STARTER - BY ELECTRICAL CONTRACTOR
- STARTER - BY OTHERS
- PANELBOARD
- GREENFIELD CONNECTION (WITH GROUND WIRE)
- CONCEALED CONDUIT - NUMBER OF CONDUCTORS INDICATED
- EXPOSED CONDUIT - NUMBER OF CONDUCTORS INDICATED
- CONDUIT - DOWN
- CONDUIT - UP
- TEMPERATURE CONTROL RELAY OR RELAYS - BY OTHERS. 3 DENOTES QUANTITY.
- SOLENOID CONTROL VALVE - BY OTHERS. - UP 64" WHERE USED FOR URINAL FLUSH.
- WATER COOLER. MOUNT BUSS # SR SERIES RECEPTACLE WITH FUSTAT UP BEHIND UNIT.
- PARAGON #R003-05Z TIME SWITCH WITH ASTRO DIAL 43" N. LAT.
- UNIT HEATER W/②
- DUCT MOUNTED SMOKE DETECTOR - BY OTHERS
- PRESSURE SWITCH - BY OTHERS
- EMPTY
- UTILITY SET
- NIGHT LIGHT
- TELEPHONE OUTLET - UP 12", TO CLEAR EQUIPMENT, OR AS NOTED. "W" DENOTES WALL OUTLET - UP 96".
- NATIONAL #300 FLOOR BOX WITH #3030C SERVICE FITTING. EXACT LOCATION AS DIRECTED.
- MAIN TELEPHONE SERVICE LOCATION - ROOM #02.
- EXPLOSION PROOF HOOD CONNECTION. CONNECT PER MANUFACTURES INSTRUCTION.
- FLOW SWITCH - BY OTHERS
- AQUASTAT - BY OTHERS
- LOW WATER CUTOFF - BY OTHERS.
- FIRE ALARM STATION - UP 60"
- FIRE ALARM STATION - UP 96" OR AS NOTED
- 136° FIXED TEMP CEILING MOUNTED AUTOMATIC F.A. DETECTOR.
- 136° COMB. FIXED TEMP/RATE OF RISE CEILING MOUNTED AUTOMATIC F.A. DETECTOR.



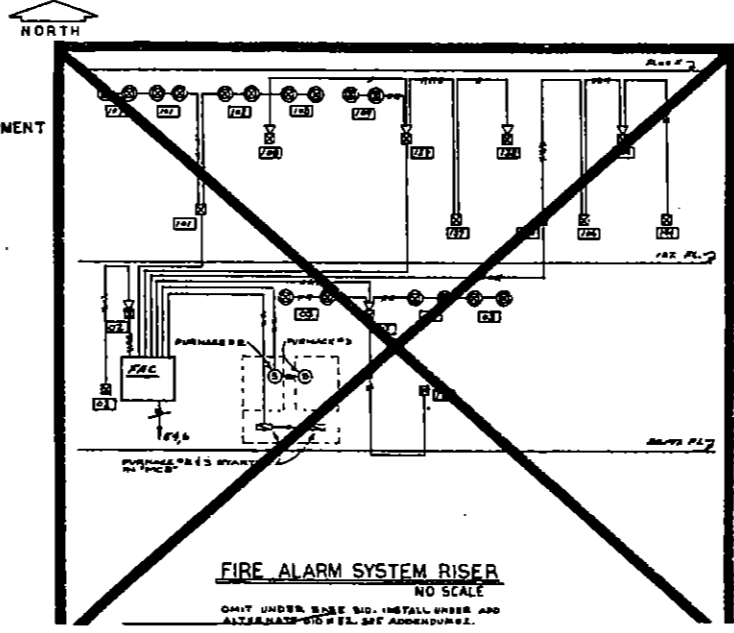
**NOTE:**  
SEE SECTION B1000 'DEFINITION OF SCHEDULES' FOR ELECTRICAL WORK BID UNDER EACH BIDDING SCHEDULE.

**BASEMENT FLOOR PLAN**  
SCALE: 1/8"=1'-0"

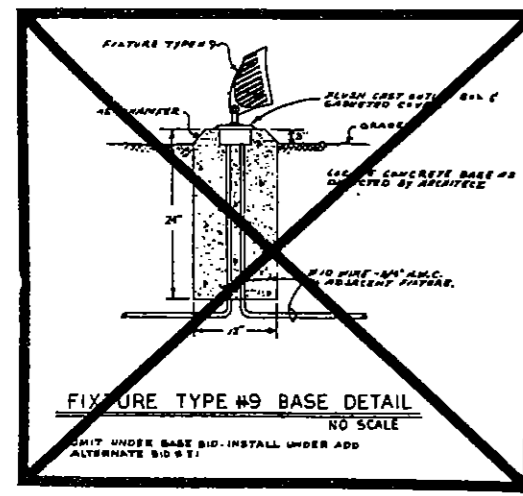
**NOTE:**  
THIS DRAWING SHOWS AS-BUILT CONDITIONS AND IS FOR REFERENCE ONLY TO HELP THE CONTRACTOR DETERMINE ELECTRICAL EQUIPMENT DEMOLITION AND RELOCATION.



**WIREMOLD #3000 FEED BOX DETAIL**  
NO SCALE

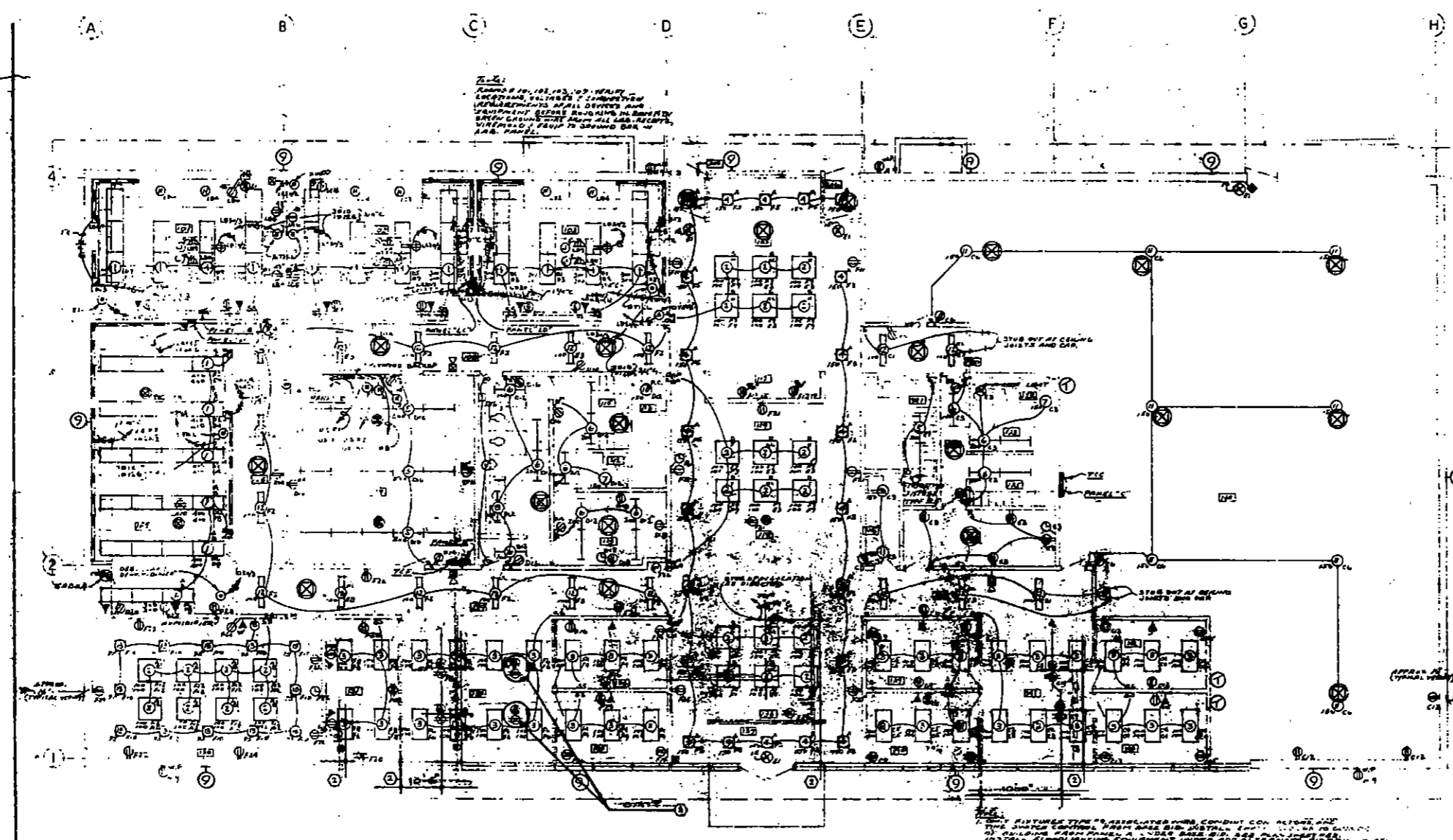


**FIRE ALARM SYSTEM RISER**  
NO SCALE

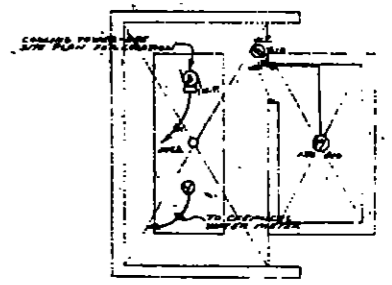


**FIXTURE TYPE #9 BASE DETAIL**  
NO SCALE

REVISION	STATUS	DATE	DESCRIPTION	BY
1	DESIGNED	JU 78	BASEMENT FLOOR PLAN	JU
2	CHECKED	JU 78	BASEMENT FLOOR PLAN	WA



Notes:  
 1. Check for all existing electrical equipment and wiring before starting work.  
 2. Verify location of all existing electrical equipment before starting work.  
 3. Verify location of all existing electrical equipment before starting work.



**COOLING TOWER & STORAGE BUILDING - FLOOR PLAN**  
 SCALE: 1/8"=1'-0"  
 SEE SITE PLAN FOR EXACT LOCATION

NO.	MANUFACTURER	CATALOG NO.	TYPE	REMARKS
1.	DAYBRITE	6424-WF501	4-FLOW	2X4 LAMP GRID TYPE TROFFER WITH RECESSED STEEL TRIM AND ACRYLIC PRISMATIC LENS. SWITCH INBOARD AND OUTBOARD LAMPS SEPARATELY.
2.	DAYBRITE	3174-950	4-FLOW	3X3 FLANGE TYPE TROFFER W/ACRYLIC PRISMATIC LENS AND 48" CROSS LAMPS. SWITCH 2 CROSSED LAMPS SEPARATELY FROM OTHER 2 CROSSED LAMPS.
3.	DAYBRITE	F215-WF507	4-FLOW	2X4 LAMP FLANGE TYPE TROFFER WITH RECESSED STEEL TRIM AND ACRYLIC PRISMATIC LENS. SWITCH INBOARD AND OUTBOARD LAMPS SEPARATELY.
4.	SMITHCRAFT	CB-506-RB	1-150W/40/FL	RECESSED FIXTURE W/FLANGED TRIM AND GOLD, SEMI-SPECULAR BAFFLE.
5.	DAYBRITE	45295 SERIES	2-FLOW	SURFACE FLUORESCENT WITH REFLECTOR.
6.	DAYBRITE	1X42-707 SERIES	2-140W	1X4 LAMP SURFACE FIXTURE WITH ACRYLIC PRISMATIC LENS.
7.	MARCO	A141 VT	2-75W	VAPOR LIGHT DRUM WITH OPAL GLASS.
8.	DAYBRITE	45240 W SERIES	2-FLOW	BRACKET FLUORESCENT W/ACRYLIC LENS. MOUNT UP TO CLEAR MIRROR.
9.	PAULDING	Q05-548	1-0-1073/CL	ADJUSTABLE QUARTZ FLOOD LIGHT. MOUNT ON CONCRETE BASE PER DETAIL. MEET # 12. FINAL LOCATION AND REFLECTOR ADJUSTMENT AS DIRECTED BY ARCHITECT AFTER PRELIMINARY SPECIFYING OF FIXTURE TO DETERMINE DESIRED LIGHTING EFFECTS ON BUILDING.
10.	P & S	25	1-11 W	PORCELAIN LAMPHOLDER WITH PULL CHAIN AND GROUNDED C.O.
11.	P & S	17	1-11 W	PORCELAIN LAMPHOLDER W/GROUNDED C.O.
12.	DAYBRITE	F215-WF507 SERIES	2-140W	1X4 LAMP FLANGE TYPE TROFFER W/ RECESSED STEEL TRIM AND ACRYLIC PRISMATIC LENS.
13.	SMITHCRAFT	CB302RB	1-75W/40/FL	RECESSED FIXTURE WITH FLANGED TRIM AND GOLD, SEMI-SPECULAR BAFFLE.
14.	HOLOPHANE	412-120	1-1100X 3-1/2	BRACKET FIXTURE W/PRISMATIC GLASS REFRACTOR AND DELUXE WHITE LAMP. MOUNT AT ELEVATION 97'-0".
15.	PRESCOLITE	75211	FURNISHED	EXIT LIGHT - TOP MOUNT - STENCIL FACE
16.	PRESCOLITE	75111	FURNISHED	EXIT LIGHT - SURFACE MOUNT - STENCIL FACE
17.	APPLETON	AAC155C	1-150W	CEILING MOUNTED EXPLOSION PROOF FIXTURE.
18.	PRESCOLITE	75321ARL	FURNISHED	EXIT LIGHT TOP MOUNT-DOUBLE STENCIL FACE ARROW RIGHT & LEFT.

**NOTES:**  
 1. THIS DRAWING SHOWS AS-BUILT CONDITIONS AND IS FOR REFERENCE ONLY TO HELP THE CONTRACTOR DETERMINE ELECTRICAL EQUIPMENT DEMOLITION AND RELOCATION.  
 2. SEE SECTION 01100 "DEFINITION OF SCHEDULES" FOR ELECTRICAL WORK-BID UNDER EACH BIDDING SCHEDULE.

**FIRST FLOOR PLAN**  
 SCALE: 1/8"=1'-0"

**PARTIAL ROOF PLAN**  
 SCALE: 1/8"=1'-0"

REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB				
MADISON, WISCONSIN				
<b>FIRST FLOOR EXISTING PLAN</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
11/78	J.F.	J.D.	W.A.	DEC-WI-927-100.0

**NOTE:**

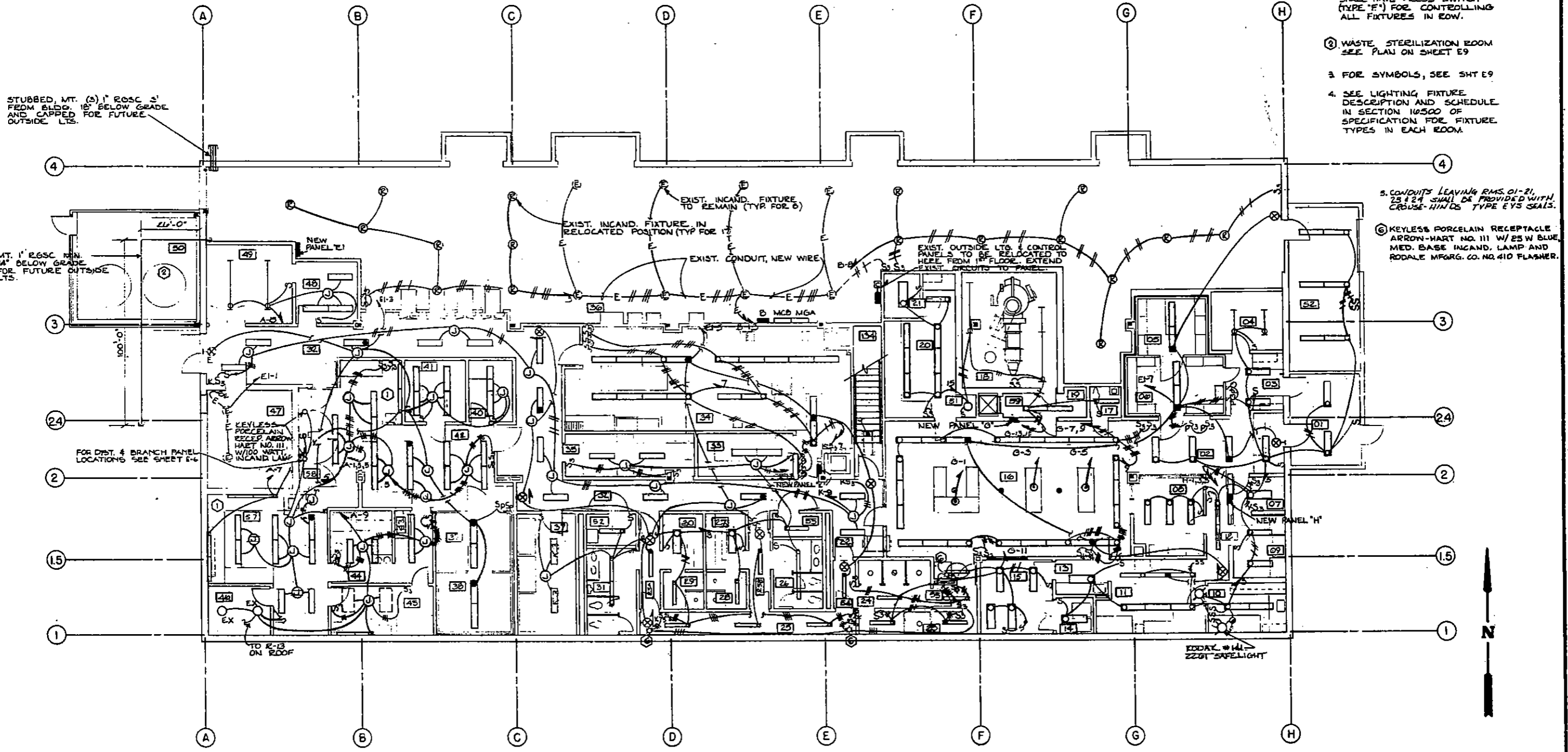
- ① WHERE "F" SERIES FIXTURES ARE EDW MOUNTED, ONE FIXTURE SHALL HAVE PRESS SWITCH (TYPE "F") FOR CONTROLLING ALL FIXTURES IN ROW.
- ② WASTE STERILIZATION ROOM SEE PLAN ON SHEET E9
- ③ FOR SYMBOLS, SEE SHT E9
- ④ SEE LIGHTING FIXTURE DESCRIPTION AND SCHEDULE IN SECTION 16500 OF SPECIFICATION FOR FIXTURE TYPES IN EACH ROOM.

STUBBED, MT. (3) 1" ROSC 3' FROM BLDG. 18" BELOW GRADE AND CAPPED FOR FUTURE OUTSIDE LTS.

5. CONDUITS LEAVING RMS. 01-21, 25 & 24 SHALL BE PROVIDED WITH CRUISE-HINDS TYPE EYS SEALS.

⑥ KEYLESS PORCELAIN RECEPTACLE ARROW-HART NO. III W/ 25W BLUE MED. BASE INCAND. LAMP AND RODALE MFG. CO. NO. 410 FLASHER.

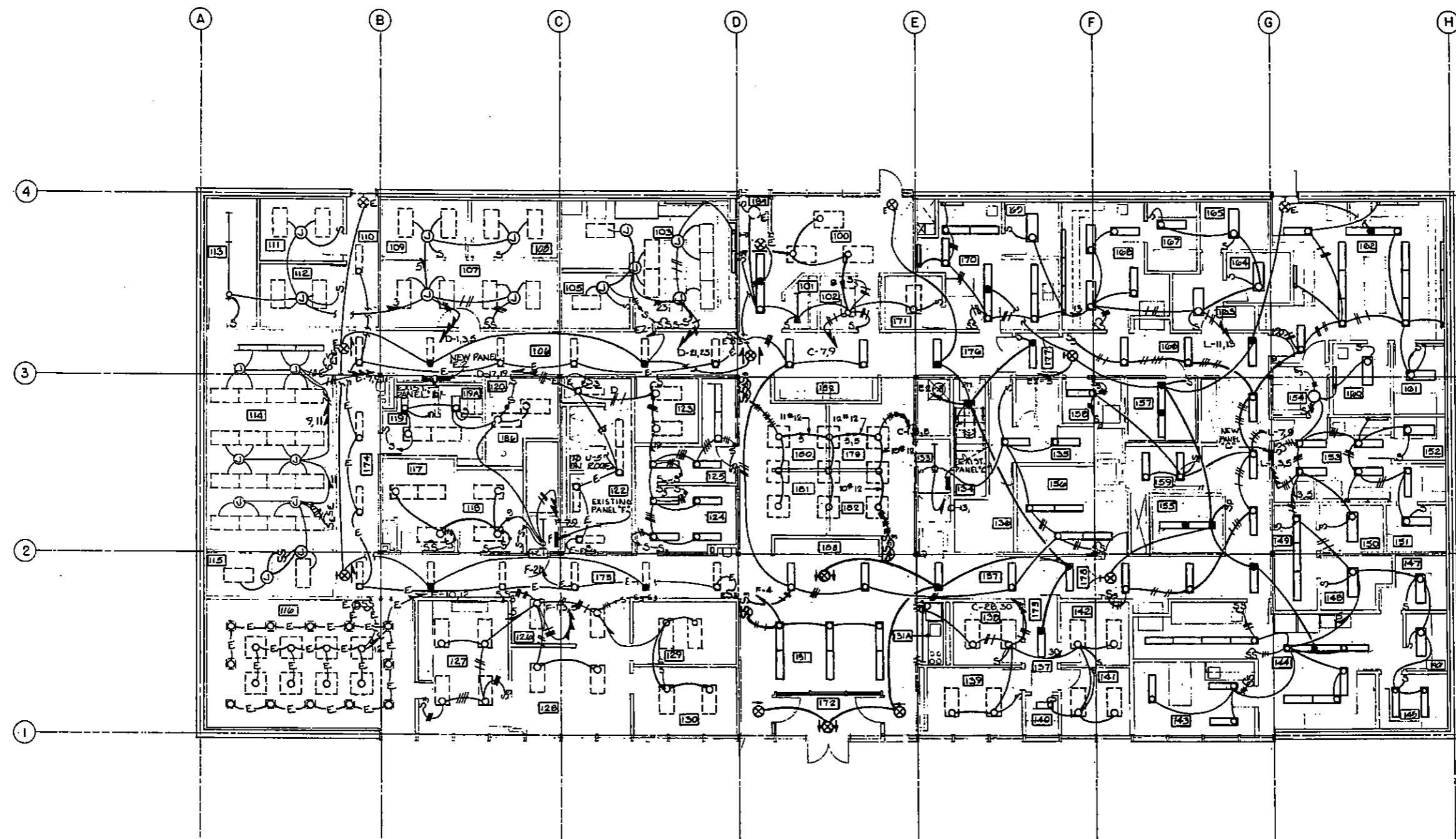
MT. 1" R.G.S.C. MIN. 24" BELOW GRADE FOR FUTURE OUTSIDE LTS.



**NOTE.**  
SEE SECTION 01100 "DEFINITION OF SCHEDULES" FOR ELECTRICAL WORK BID UNDER EACH BIDDING SCHEDULE.

**BASEMENT LIGHTING PLAN**  
SCALE: 1/8" = 1'-0"

REVISION	STATUS	DATE	DESCRIPTION	BY
<b>NATIONAL WILDLIFE HEALTH LAB</b> <b>MADISON, WISCONSIN</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
11/78	J.F.	J.D.	W.A.	DEC-WI-927-101.0



**NOTES**

1. ALL LIGHTING FIXTURES SHOWN IN DASHED LINES ARE EXISTING. FIXTURES SHOWN IN SOLID LINES ARE NEW.
2. EXISTING FIXTURES IN RMS. 106 CORRIDOR AND 116 CONFERENCE ARE EXISTING TO REMAIN. ALL OTHER EXISTING FIXTURES HAVE BEEN RELOCATED.
3. FOR SYMBOLS SEE SHT. E9
4. SEE LIGHTING FIXTURE DESCRIPTION AND SCHEDULE IN SECTION 16500 OF SPECIFICATION FOR FIXTURE TYPES IN EACH ROOM.
5. INDIVIDUALLY MOUNTED "F" SERIES FIXTURES SHALL HAVE PRESS SWITCH (TYPE "F2" OR "F3" AS REQUIRED) FOR CONTROLLING FIXTURE. WHERE "F" SERIES FIXTURES ARE ROW MOUNTED, ONE FIXTURE SHALL HAVE SWITCH FOR CONTROLLING ALL FIXTURES IN ROW.
6. CONDUITS LEAVING RMS. 115, 157-162, 177 & 178 SHALL BE PROVIDED WITH GROUND-BUNDS TYPE EYE SEALS.
7. SEE SECTION 0100 "DEFINITION OF SCHEDULES" FOR ELECTRICAL WORK BID UNDER EACH BIDDING SCHEDULE.

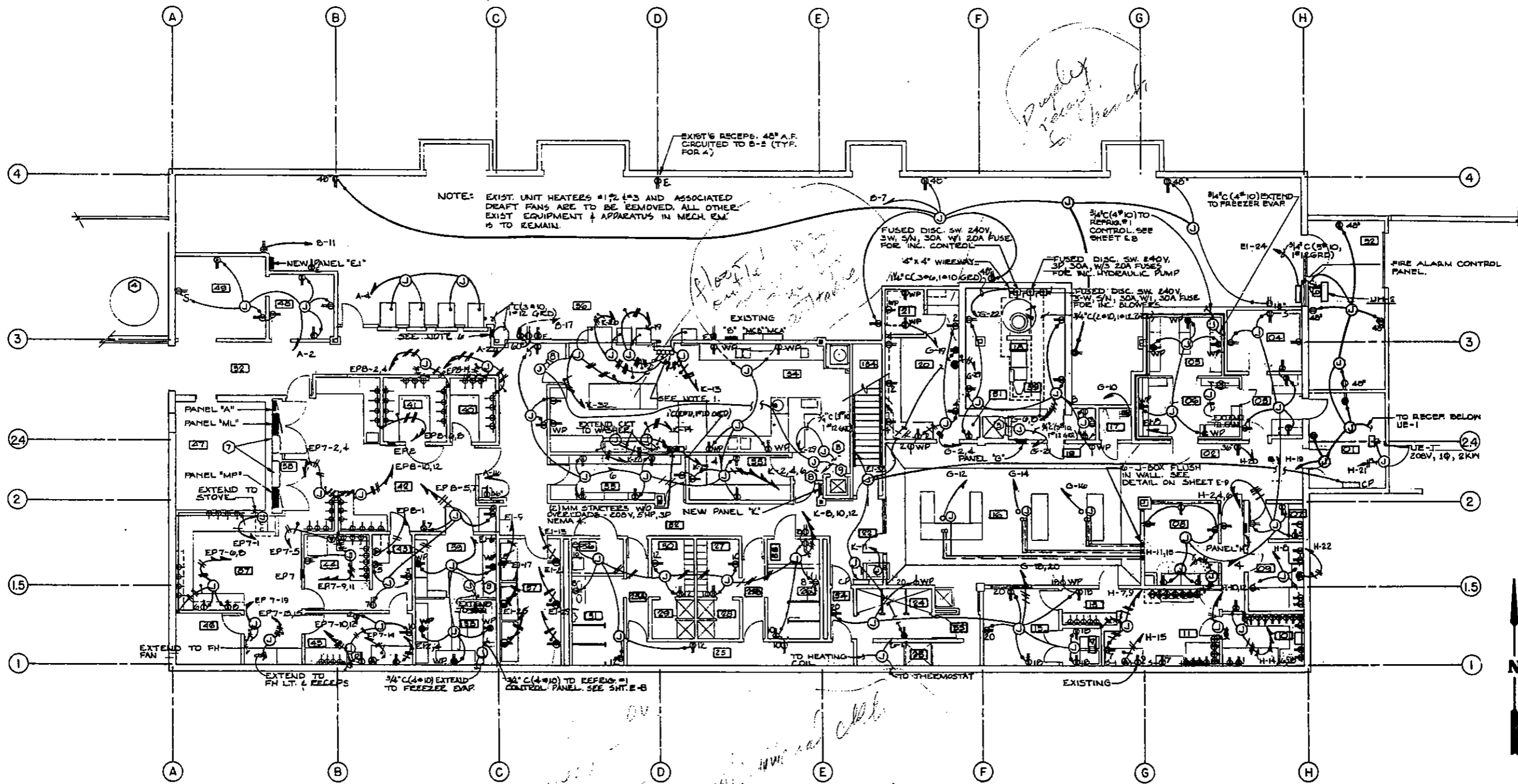


**FIRST FLOOR LIGHTING PLAN**  
SCALE: 1/8" = 1'-0"

REVISION	DATE	DESCRIPTION	BY

NATIONAL WILDLIFE HEALTH LAB		FIRST FLOOR LIGHTING PLAN	
MADISON, WISCONSIN			
DESIGNED	DRAWN	CHECKED	DATE
J.F.	J.D.	W.A.	11/78
DRAWING NO.		DEC-WI-927-102.0	



*Supply  
to branch*

EXIST'G RECEPT. 40" A.F. CIRCUITED TO B-5 (TYP. FOR 4)

NOTE: EXIST. UNIT HEATERS #1, 2, 3 AND ASSOCIATED DRAFT FANS ARE TO BE REMOVED. ALL OTHER EXIST. EQUIPMENT & APPARATUS IN MECH. RM IS TO REMAIN.

FUSED DISC. SW 240V 3W, 5A, 30A W/ 20A FUSE FOR INC. CONTROL

FUSED DISC. SW 240V 3W, 5A, 30A W/ 20A FUSE FOR INC. HYDRAULIC PUMP

FUSED DISC. SW 240V 3W, 5A, 30A W/ 20A FUSE FOR INC. BLOWERS

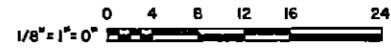
EXISTING 6" MCA

NEW PANEL 'K'

**BASEMENT POWER PLAN**  
SCALE: 1/8"=1'-0"

- NOTES:**
- SEE SECTION 0100 'DEFINITION OF SCHEDULES' FOR ELECTRICAL WORK BID UNDER EACH BIDDING SCHEDULE.
  - BRANCH CIRCUITS AND DISCONNECTS FOR EQUIPMENT PROVIDED UNDER SCHEDULE IX SHALL BE PROVIDED UNDER SCHEDULE I. CIRCUITS TO BE TERMINATED IN J-BOX ABOVE EQUIPMENT LOCATION. EXTEND CIRCUITS TO EQUIPMENT UNDER SCHEDULE IX.

- NOTES**
- FOUR MM STARTERS W/ OVERLOADS. 20BV, 3P, 5HP, NEMA 4
  - FOR SYMBOLS, SEE SHT. E9
  - 3/4" C (2"x12) TO REFRIG. NO. 2 CONTROL PANEL. SEE SHT. E8
  - WASTE STERILIZATION RM. SEE SHT. E9
  - EXTEND CIRCUIT TO DUMPSWATER OPERATOR & CONTROLS (BOMT & 1ST FL.)
  - INDIVIDUALLY FLUSH MOUNTED 30A, 3P CIRCUIT BREAKER WITHOUT OVERLOAD PROTECTION. BREAKER TO BE USED AS DISCONNECT MEANS ONLY.
  - SPACE ON WALL FOR GFF AND POWER CO. METERING.
  - EXTEND CIRCUIT TO ELECTRO MAGNETIC DOOR HOLDERS
  - CIRCUIT K-55 THRU AUX. CONTACT IN FIRE ALARM CONTROL PANEL IN BASEMENT
  - CONDUITS LAYING RMR. 01-21, 23 & 24. SHALL BE PROVIDED WITH ROUSE-NINGS TYPE EYS SEALS.

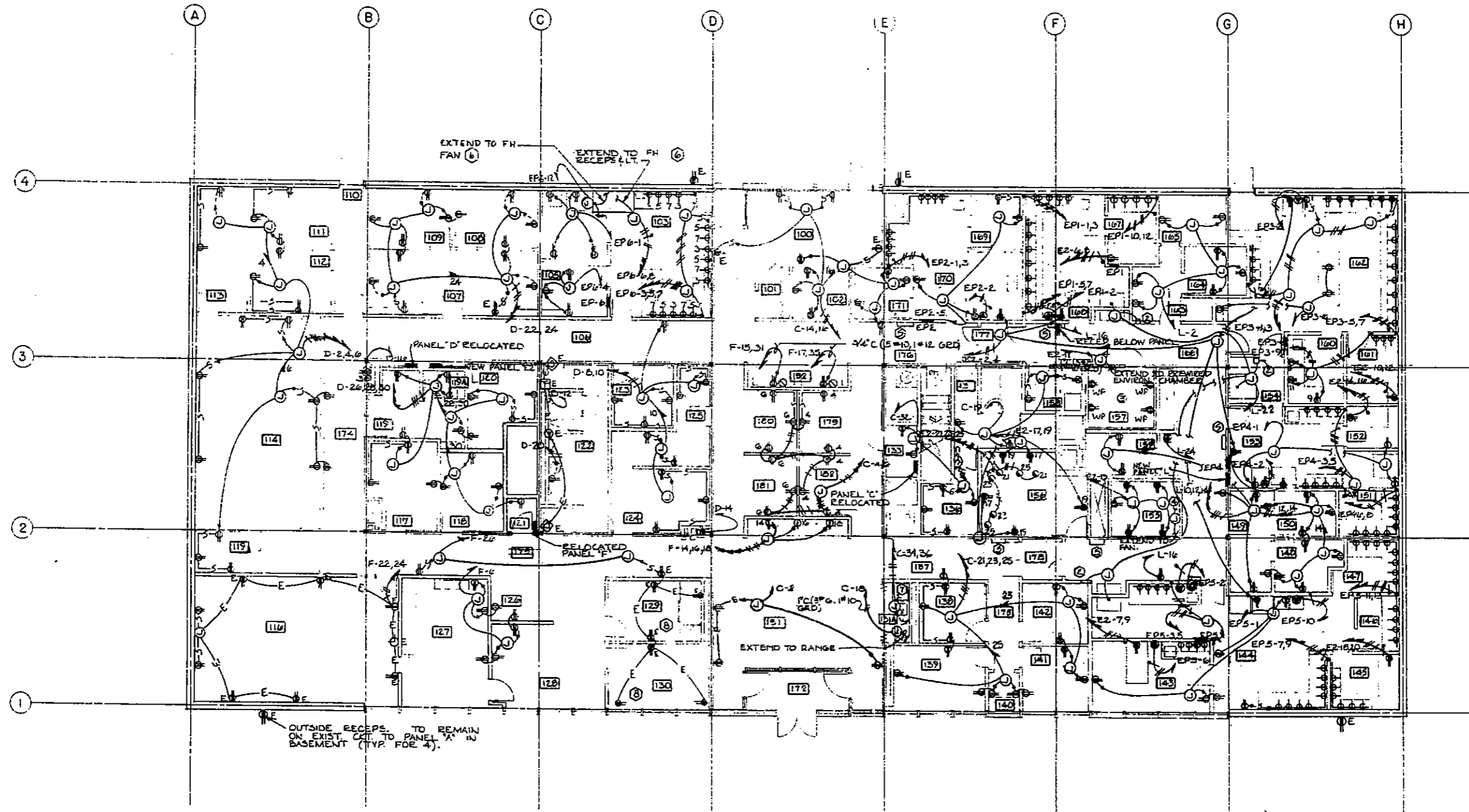


REVISION	STATUS	DATE	DESCRIPTION	BY

**NATIONAL WILDLIFE HEALTH LAB**  
**MADISON, WISCONSIN**

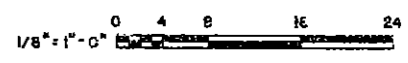
**BASEMENT POWER PLAN**

DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
11/78	J.F.	J.D.	W.A.	DEC-WI-927-103.0



- NOTES**
- 1 FOR SYMBOLS, SEE SHT. E9
  - 2 MANUAL MOTOR STARTER W/O OVERLOADS, FLUSH MOUNTED
  - 3 RECEPTACLES TO BE PROVIDED BY ENVIRONMENTAL CHAMBER MANUFACTURER
  - 4 TO COOLER CONTROL PANEL IN MECH. RM. SEE SHT. E6
  - 5 CP CONTROL PANEL. CIRCUIT PANELS TO PANEL E2-22.
  - 6 LIGHTING FIXTURE, RECEPTACLES, & LIGHT SWITCH SHALL BE FURNISHED BY FUME HOOD MFG., AND INSTALLED BY CONTRACTOR. FAN SWITCH SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR
  - 7 EXTEND CIRCUIT C-34 TO DWYER UNIT WATER HEATER AND LIGHTS. EXTEND CIRCUIT C-36 TO DWYER UNIT GARBAGE DISPOSAL. SWITCH FOR DISPOSAL TO BE LOCATED 15" FROM RIGHT SIDE OF DWYER UNIT, 48" A.F.
  - 8 CIRCUIT EXISTING. RECEPTS IN RMS 129 AND 130 WITH NEW WIRE IN EXISTING CONDUIT.
- 9 CONDUITS LEAVING RMS. 143-155, 167-168, 177-178, SHALL BE PROVIDED WITH GROUND-RINGS TYPE EYS SEALS.

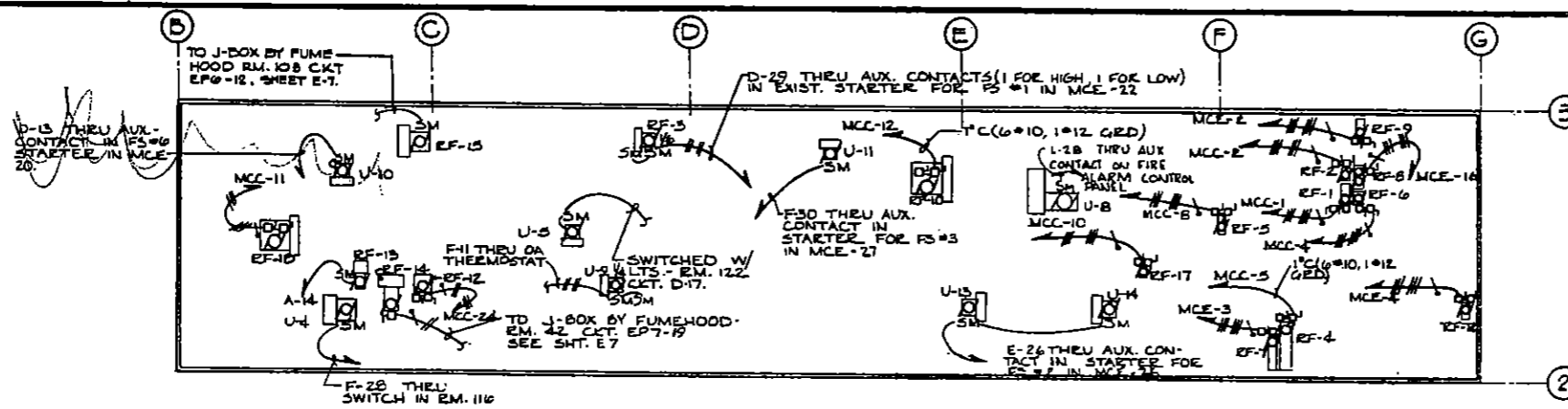
**NOTE:**  
SEE SECTION 0100 'DEFINITION OF SCHEDULES' FOR ELECTRICAL WORK BID UNDER EACH BIDDING SCHEDULE.



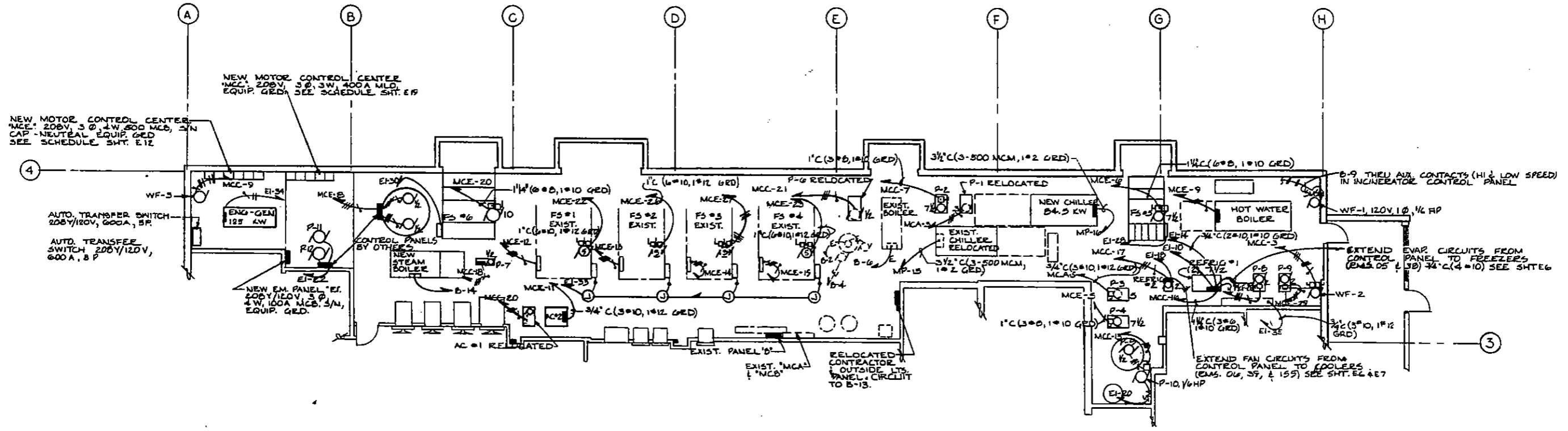
**FIRST FLOOR POWER PLAN**  
SCALE: 1/8" = 1'-0"

REVISION	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAE FIRST FLOOR POWER PLAN			
MADISON, WISCONSIN			
DESIGNED	DRAWN	CHECKED	DATE
J.F.	J.D.	W.A.	11/78
DRAWING NO.			DEC-WI-927-104.0

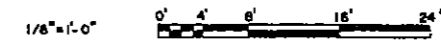




**PARTIAL ROOF PLAN**  
SCALE: 1/8" = 1'-0"



**MECHANICAL ROOM**  
SCALE: 1/8" = 1'-0"











**NOTES:**

1. CIRCUITS FOR MECH. RM. EQUIPMENT SHALL BE RUN EXPOSED ON WALLS AND CONCEALED ABOVE CEILING.
2. CIRCUITS FOR EQUIPMENT SHALL BE BID UNDER THE SAME BIDDING SCHEDULE AS THE EQUIPMENT. SEE SHEETS M-37, M-38, AND M-39. MOTOR CONTROL CENTERS, MCC'S AND MCE'S SHALL BE BID UNDER SCHEDULE I.






























REVISION	STATUS	DATE	DESCRIPTION	BY
<b>NATIONAL WILDLIFE HEALTH LAB</b> <b>MADISON, WISCONSIN</b>				
<b>MECH. ROOM &amp; ROOF ELECTRICAL PLAN</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
11/78	J.F.	J.D.	W.A.	DEC-WI-927-105.0

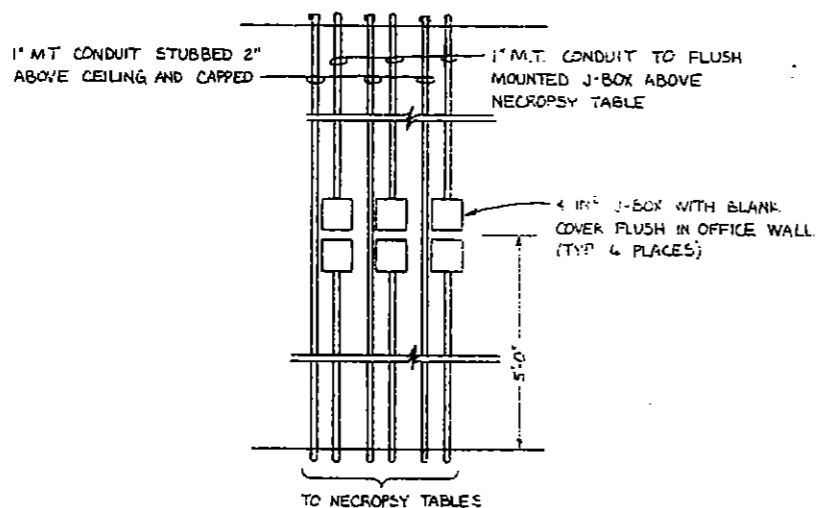
## ELECTRICAL SYMBOLS

### EXISTING EQUIPMENT

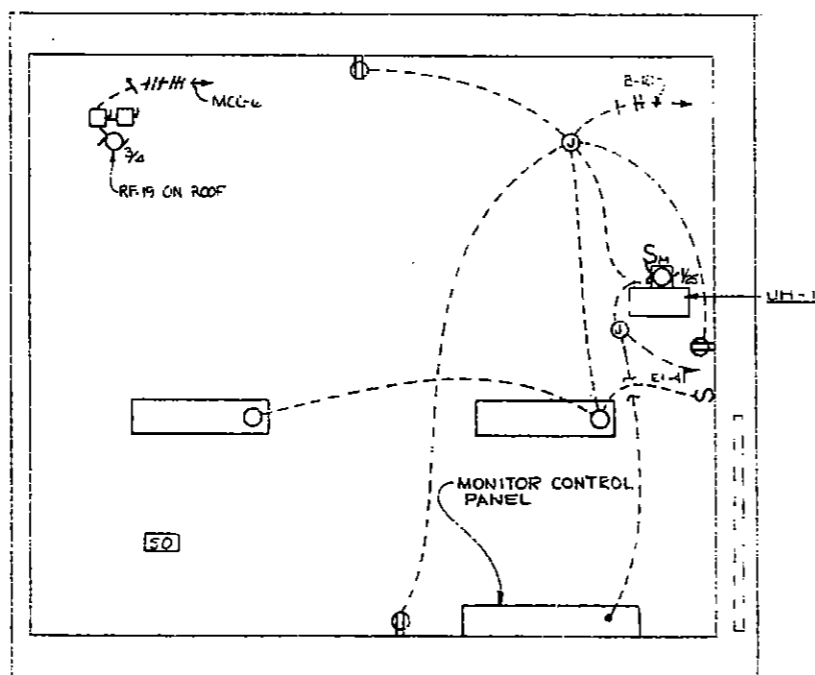
-  FLUORESCENT LIGHTING FIXTURE - SEE LIGHTING FIXTURE SCHEDULE IN SPECS.
-  INCANDESCENT LIGHTING FIXTURE - SEE SCHEDULE IN SPECS.
-  EXIT LIGHT - SEE SCHEDULE IN SPEC.
-  1P LIGHT SWITCH
-  3-WAY LIGHT SWITCH
-  JUNCTION BOX
-  DUPLEX RECEPTACLE
-  BRANCH CIRCUIT

### NEW EQUIPMENT

-  FLUORESCENT LIGHTING FIXTURE - SEE DESCRIPTION AND FIXTURE SCHEDULE IN SPECS. SOLID CIRCLE INDICATES ON EM CIRCUIT.
-  INCANDESCENT LIGHTING FIXTURE - SEE DESCRIPTION AND FIXTURE SCHEDULE IN SPECS.
-  EXIT LIGHT - SEE DESCRIPTION AND FIXTURE SCHEDULE IN SPECS.
-  SAFETY SWITCH
-  JUNCTION BOX
-  DUPLEX RECEPTACLE, 125V, 20A
-  QUADRUPLEX RECEPTACLE, 125V, 20A
-  DUPLEX RECEPTACLE, 125V, 20A, ON EM CIRCUIT. WP INDICATES WEATHERPROOF.
-  DUPLEX RECEPTACLE, 125V, 20A, SPLIT-WIRED
-  DUPLEX RECEPTACLE, 250V, 20A
-  SINGLE RECEPTACLE, 125V, 20A (WP INDICATES WEATHERPROOF)
-  SINGLE RECEPTACLE, 250V, 20A
-  TELEPHONE OUTLET
-  XEROX RECEPTACLE
-  CEILING MOUNTED RECEPTACLE W/PLUG
-  1P LIGHT SWITCH
-  1P LIGHT SWITCH WITH PILOT LIGHT
-  3-WAY LIGHT SWITCH
-  3-WAY LIGHT SWITCH WITH PILOT LIGHT
-  4-WAY LIGHT SWITCH
-  MANUAL MOTOR STARTER
-  3-WAY KEYED LIGHT SWITCH
-  MULTI-OUTLET ASSEMBLY WITH 125V, 20A DUPLEX RECEPTACLES WIRED ALTERNATELY.
-  MULTI-OUTLET ASSEMBLY WITH 125V, 20A SINGLE RECEPTACLES WIRED ALTERNATELY.
-  SURFACE METAL RACEWAY
-  BRANCH CIRCUIT CONCEALED IN WALL OR CEILING
-  BRANCH CIRCUIT CONCEALED IN FLOOR
-  EXPOSED BRANCH CIRCUIT
-  CROSS HATCHES INDICATE NUMBER OF #12 AWG CONDUCTORS. NO CROSS HATCHES INDICATE 2 #12 AWG CONDUCTORS. CROSS HATCH WITH DOT INDICATES #12 AWG GROUND.
-  HEAT DETECTOR - 135° F
-  RATE ANTICIPATION HEAT DETECTOR - 200° F
-  SMOKE DETECTOR
-  FLAME DETECTOR
-  MANUAL FIRE ALARM STATION
-  FIRE BELL
-  NOTE SYMBOL






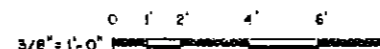
**SOUND SYSTEM J-BOX DETAIL**  
NO SCALE



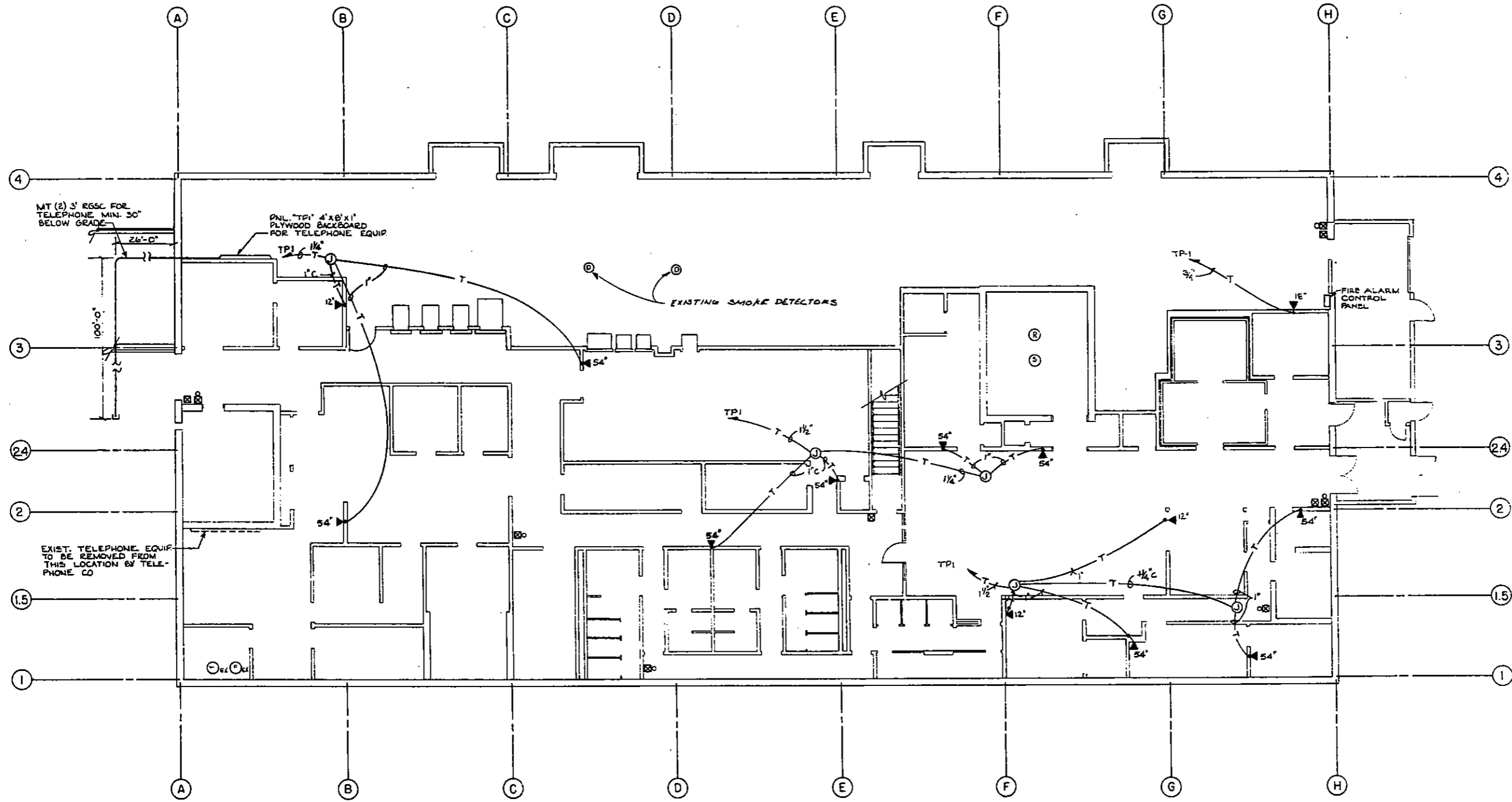
**WASTE STERILIZATION ROOM**  
SCALE: 1/4" = 1'-0"

**NOTE:**  
SEE SECTION 01100 "DEFINITION OF SCHEDULES" FOR ELECTRICAL WORK BID UNDER EACH BIDDING SCHEDULE.

-  NOTE SYMBOL
-  EMPTY TELEPHONE CONDUIT
-  NO. 2100 WIREMOLD



REVISION	STATUS	DATE	DESCRIPTION	BY
<b>NATIONAL WILDLIFE HEALTH LAE</b>				
<b>WASTE STERILIZATION ROOM, SYMBOLS, AND DETAIL</b>				
<b>MADISON, WISCONSIN</b>				
DATE 11/78	DESIGNED J.F.	DRAWN D.G.	CHECKED W.A.	DRAWING NO. DEC-W1-927-106.0

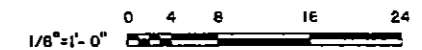


**BASEMENT FLOOR PLAN- TELEPHONE & FIRE ALARM**  
 SCALE: 1/8" = 1'-0"

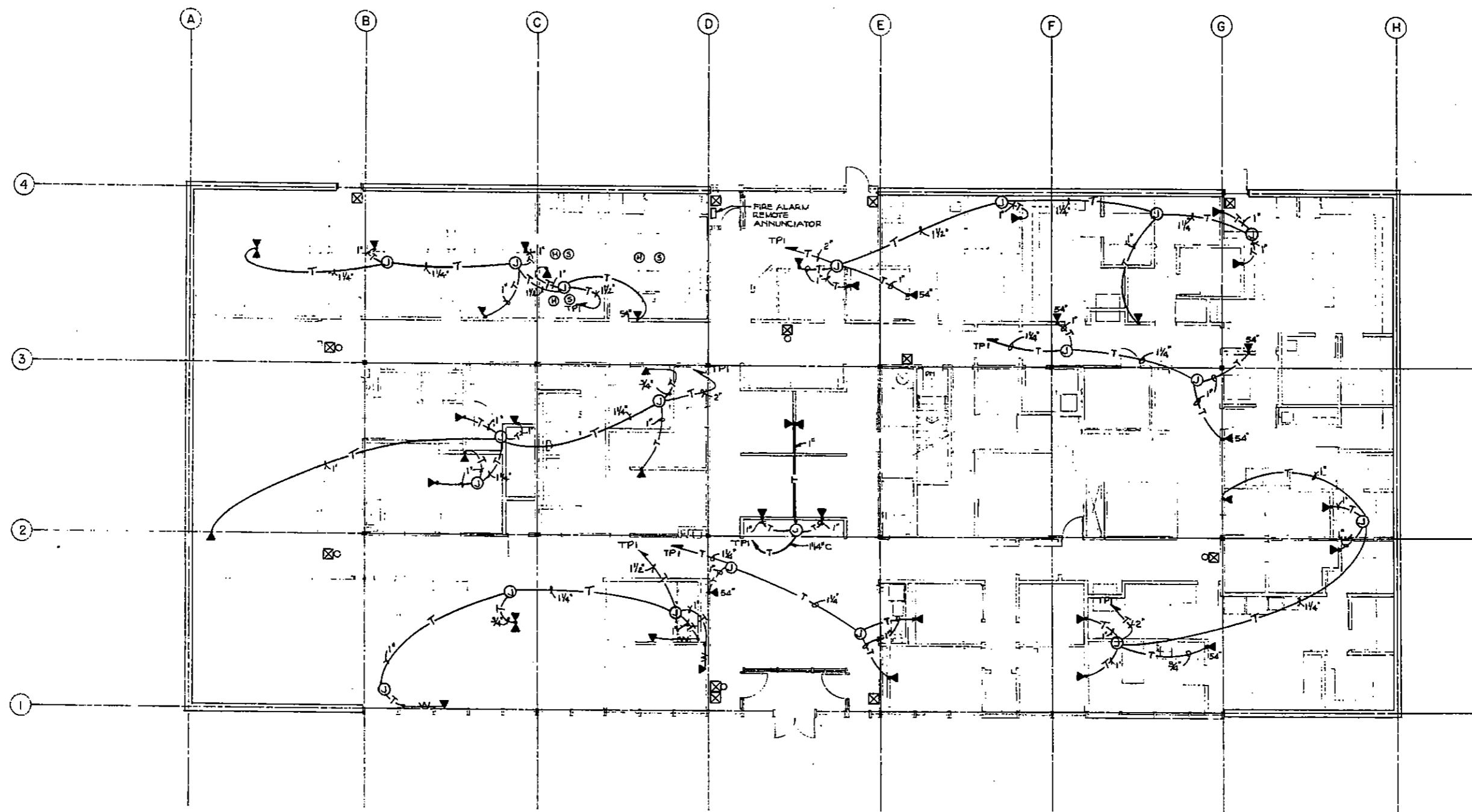
NOTE: FOR SYMBOLS, SEE SHT. E8

**NOTES:**

1. CONDUITS LEAVING RNS. 01-21, 23 & 24 SHALL BE PROVIDED WITH CROUSE-HINDS TYPE EYE SEALS
2. SEE SECTION 01100 "DEFINITION OF SCHEDULES" FOR ELECTRICAL WORK BID UNDER EACH BIDDING SCHEDULE.



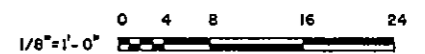
REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB MADISON, WISCONSIN <b>BASEMENT FLOOR TELEPHONE &amp; FIRE ALARM</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO
11/78	J.F.	J.D.	W.A.	DEC-WI-927-107.0



**FIRST FLOOR - TELEPHONE & FIRE ALARM**

SCALE: 1/8" = 1'-0"

NOTE: FOR SYMBOLS, SEE SHT. E9



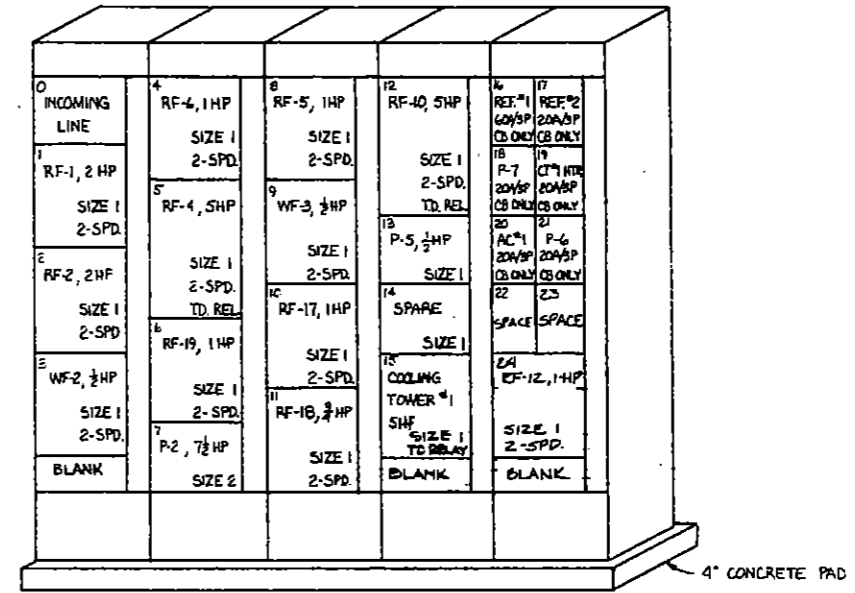
**NOTE:**

1. CONDUITS LEAVING RMS. 143-145, 157-148, 177 & 178, SHALL BE PROVIDED WITH GROUND-RINGS TYPE EYS SEALS.
2. SEE SECTION 01100 "DEFINITION OF SCHEDULES" FOR ELECTRICAL WORK BID UNDER EACH BIDDING SCHEDULE.

REVISION	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB			
<b>FIRST FLOOR TELEPHONE &amp; FIRE ALARM</b>			
DESIGNED	DRAWN	CHECKED	DATE
J.F.	J.D.	W.A.	11/76
DRAWING NO.			DEC-WI-927-108.0

**MOTOR CONTROL CENTER MCC 208V, 3Ø, 3W, 400A MLO, EQUIPT. GRD.**

CT. No.	ITEM SERVED	HP SIZE	POLES	STARTER SIZE	MCP/CB TRIP	WIRE SIZE	CONTROL	PILOT LIGHTS	REMARKS
0	INCOMING LINE								MAIN LUGS ONLY
1	RF-1	2	3	1	15	6*12 & 1*12 GRD	HI-LO-STOP PB	1-RED, 2-GRN	2-SPEED - INTERLOCKED W/FS*5
2	RF-2	1	3	1	7	6*12 & 1*12 GRD			2-SPEED
3	WF-2	1/2	3	1	7	6*12 & 1*12 GRD			2-SPEED
4	RF-4	1 1/2	3	1	15	6*12 & 1*12 GRD			2-SPEED - INTERLOCKED W/FS*4
5	RF-4	5	3	1	30	6*10 & 1*10 GRD			2-SPEED - INTERLOCKED W/FS*5 ; TD RELAY
6	RF-19	3/4	3	1	7	6*12 & 1*12 GRD			2-SPEED
7	P-2	7 1/2	3	2	50	3*8 & 1*10 GRD	H-O-A	1-RED, 1-GRN	
8	RF-5	1	3	1	7	6*12 & 1*12 GRD	HI-LO-STOP PB	1-RED, 2-GRN	2-SPEED - INTERLOCKED W/FS*5
9	WF-3	1/2	3	1	7	6*12 & 1*12 GRD			2-SPEED
10	RF-17	1	3	1	7	6*12 & 1*12 GRD			2-SPEED - INTERLOCKED W/FS*4
11	RF-16	1/2	3	1	7	6*12 & 1*12 GRD			2-SPEED
12	RF-10	5	3	1	30	6*10 & 1*10 GRD			2-SPEED - INTERLOCKED W/FS*5 ; TD RELAY
13	P-5	1/2	3	1	7	3*12 & 1*12 GRD	H-O-A	1-RED, 1-GRN	
14	SPACE		3	1	15		H-O-A	1-RED, 1-GRN	
15	COOLING TOWER #1	3	3	1	15	3*12 & 1*12 GRD	H-O-A	1-RED, 1-GRN	TD RELAY
16	REFRIG. #1	(2) 7 1/2	3		60	3*6 & 1*10 GRD			BREAKER ONLY
17	REFRIG. #2	2	3		20	3*12 & 1*12 GRD			
18	P-7	1/2	3		20	3*12 & 1*12 GRD			
19	CT. #1 HEATER		3		20	3*12 & 1*12 GRD			
20	AC-1	1/2	3		20	3*12 & 1*12 GRD			
21	P-6	1/2	3		20	3*12 & 1*12 GRD			
22	SPACE								
23	SPACE								
24	RF-12	1	3	1	7	6*12 & 1*12 GRD	HI-LO-STOP PB	1-RED, 2-GRN	2-SPEED

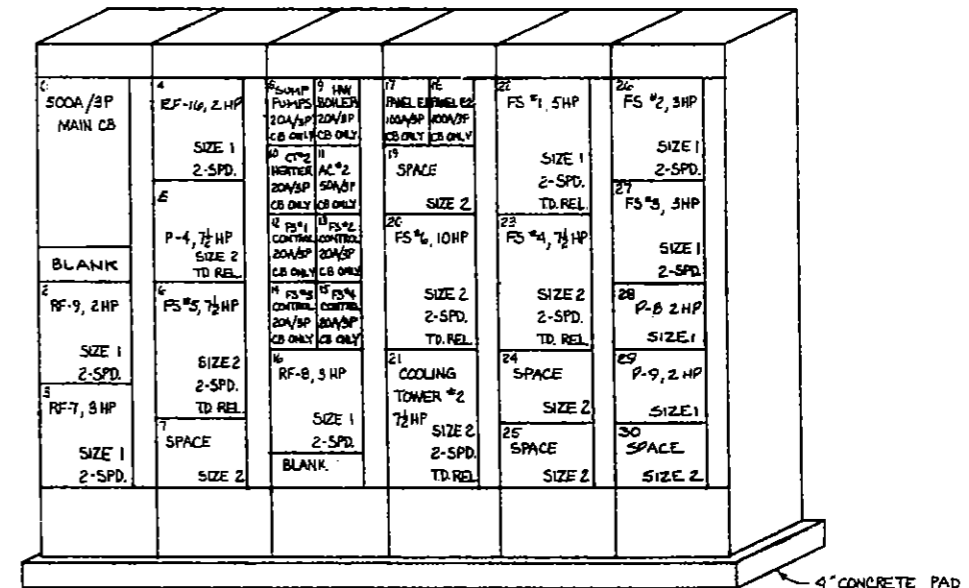


**MOTOR CONTROL CENTER MCC**

NO SCALE

**MOTOR CONTROL CENTER MCE 208/120V, 3Ø, 4W, 500A MCB, S/N, EQUIPT. GRD.**

CT. No.	ITEM SERVED	HP SIZE	POLES	STARTER SIZE	MCP/CB TRIP	WIRE SIZE	CONTROL	PILOT LIGHTS	REMARKS
0	INCOMING LINE				500				MAIN CIRCUIT BREAKER
1	RF-9	2	3	1	15	6*12 & 1*12 GRD	HI-LO-STOP PB	1-RED, 2-GRN	2-SPEED - INTERLOCKED W/FS*4
2	RF-7	3	3	1	15	6*12 & 1*12 GRD			2-SPEED - INTERLOCKED W/FS*4
3	RF-16	1 1/2	3	1	15	6*12 & 1*12 GRD			2-SPEED - INTERLOCKED W/FS*4
4	P-4	7 1/2	3	2	50	3*8 & 1*10 GRD	H-O-A	1-RED, 1-GRN	TD RELAY
5	FS*5	7 1/2	3	2	50	3*8 & 1*10 GRD	HI-LO-STOP PB	1-RED, 2-GRN	2-SPEED ; TD RELAY
6	SPACE								
7	SUMP PUMP	(2) 1/2	3		20	3*12 & 1*12 GRD			BREAKER ONLY
8	HW BOILER		3		20	3*12 & 1*12 GRD			
9	CT #2 HEATER		3		20	3*12 & 1*12 GRD			
10	AC #2		3		50	3*6 & 1*10 GRD			
11	FS #1 CONTROL		3		20	4*12 & 1*12 GRD			
12	FS #2 CONTROL		3		20	4*12 & 1*12 GRD			
13	FS #3 CONTROL		3		20	4*12 & 1*12 GRD			
14	FS #4 CONTROL		3		20	4*12 & 1*12 GRD			
15	RF-8	3	3	1	15	6*12 & 1*12 GRD	HI-LO-STOP PB	1-RED, 2-GRN	2-SPEED - INTERLOCKED W/FS*4
16	PANEL #E1		3		100	3*2			BREAKER ONLY
17	PANEL #E2		3		100	3*2			BREAKER ONLY
18	SPACE								
19	SPACE								
20	FS #6	10	3	2	50	6*8 & 1*10 GRD	HI-LO-STOP PB	1-RED, 2-GRN	2-SPEED ; TD RELAY
21	COOLING TOWER #2	5	3	1	30	6*8 & 1*10 GRD			2-SPEED ; TD RELAY
22	FS #1	5	3	1	30	6*10 & 1*12 GRD			2-SPEED ; TD RELAY
23	FS #4	5	3	1	30	6*10 & 1*12 GRD			2-SPEED ; TD RELAY
24	SPACE								
25	SPACE								
26	FS #2	5	3	1	30	6*10 & 1*12 GRD	HI-LO-STOP PB	1-RED, 2-GRN	2-SPEED
27	FS #3	3	3	1	15	6*12 & 1*12 GRD	HI-LO-STOP PB		2-SPEED
28	P-8	1/2	3	1	15	3*12 & 1*12 GRD	H-O-A		
29	P-9	1/2	3	1	15	3*12 & 1*12 GRD	H-O-A		
30	SPACE								



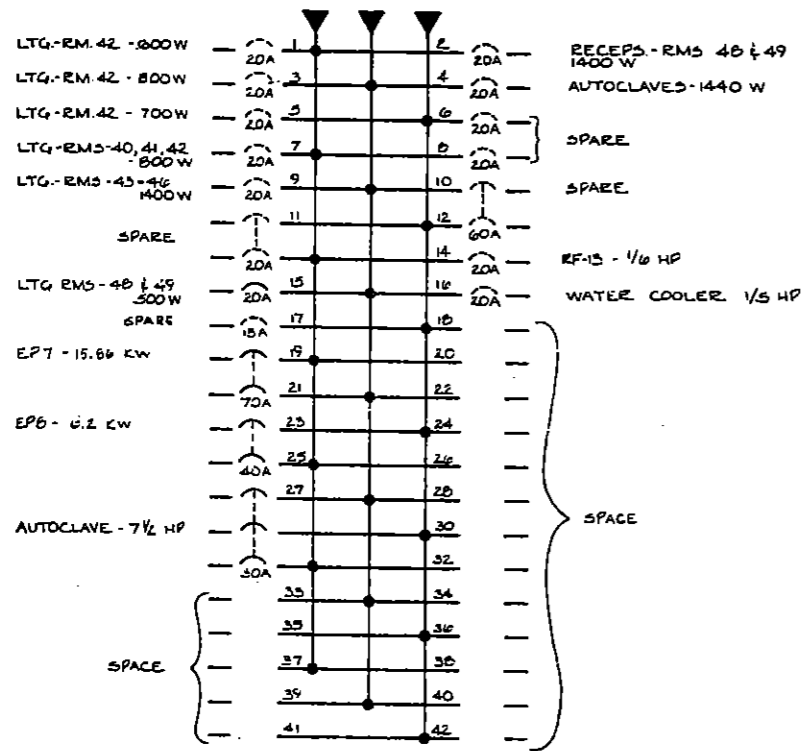
**MOTOR CONTROL CENTER MCE**

NO SCALE

**NOTE:**

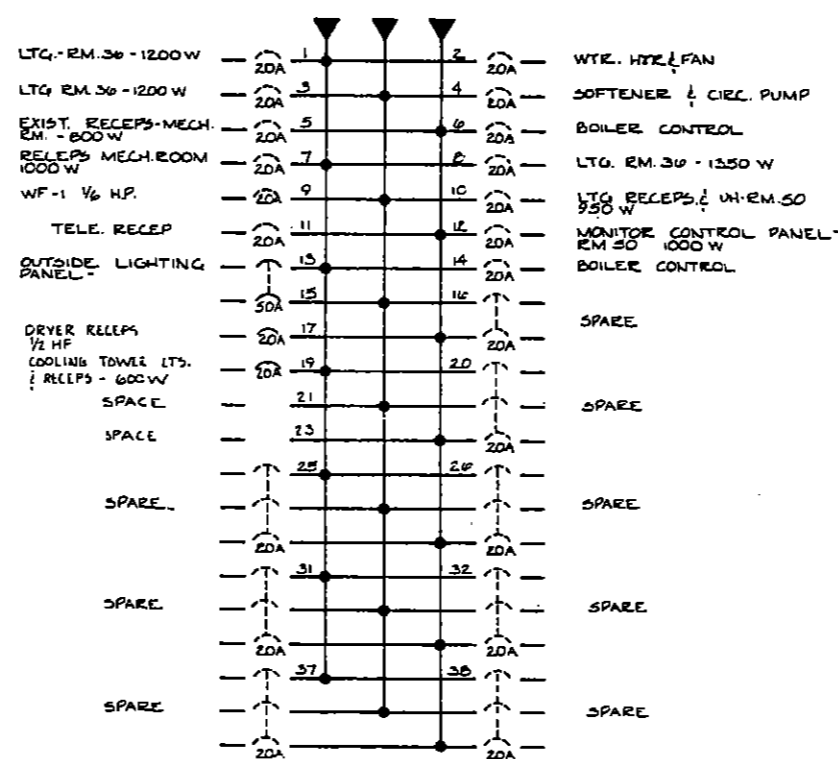
MOTOR CONTROL CENTERS SHALL BE BID UNDER SCHEDULE I. CIRCUITS FOR EQUIPMENT SHALL BE BID UNDER THE SAME BIDDING SCHEDULE AS THE EQUIPMENT. SEE SHEETS M-37, M-38, AND M-39.

REVISION	STATUS	DATE	DESCRIPTION	BY
<b>NATIONAL WILDLIFE HEALTH LAB</b> <b>MOTOR CONTROL CENTER SCHEDULES &amp; ELEVATIONS</b> <b>MADISON, WISCONSIN</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
11/78	J.F.	D.G.	W.A.	DEC-WI-927-109.0



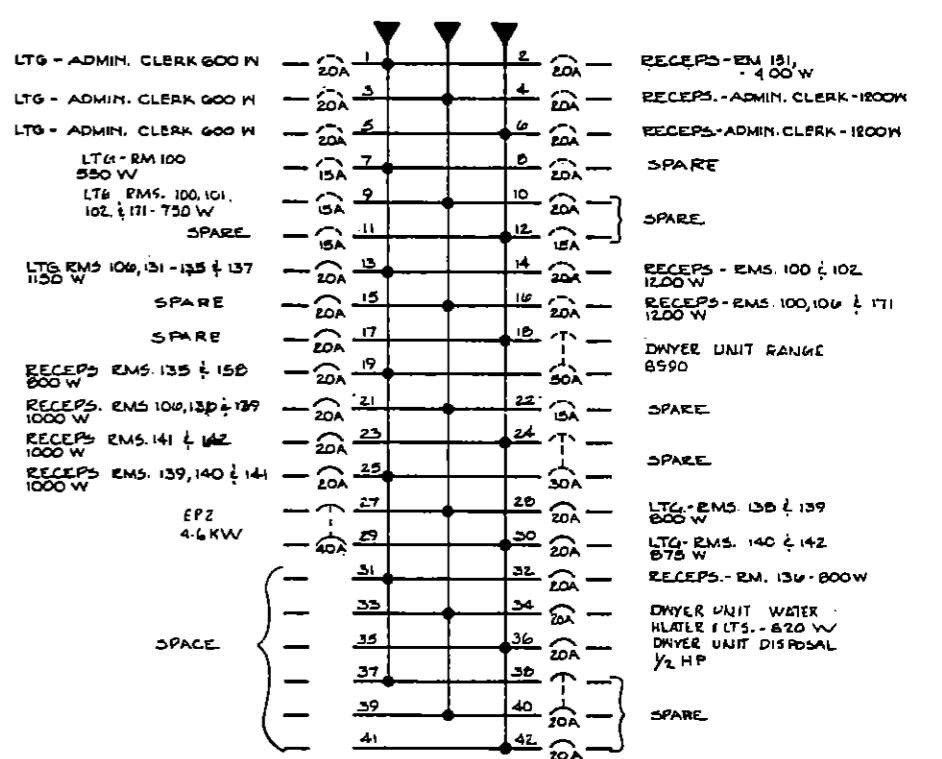
**PANEL "A"**

208Y/120V, 3Ø, 4W, 200A MLO, TOTAL CONNECTED LOAD: 37.27 KW



**PANEL "B"**

208Y/120V, 3Ø, 4W, 225A MLO, TOTAL CONNECTED LOAD: (EST.) 21.05 KW



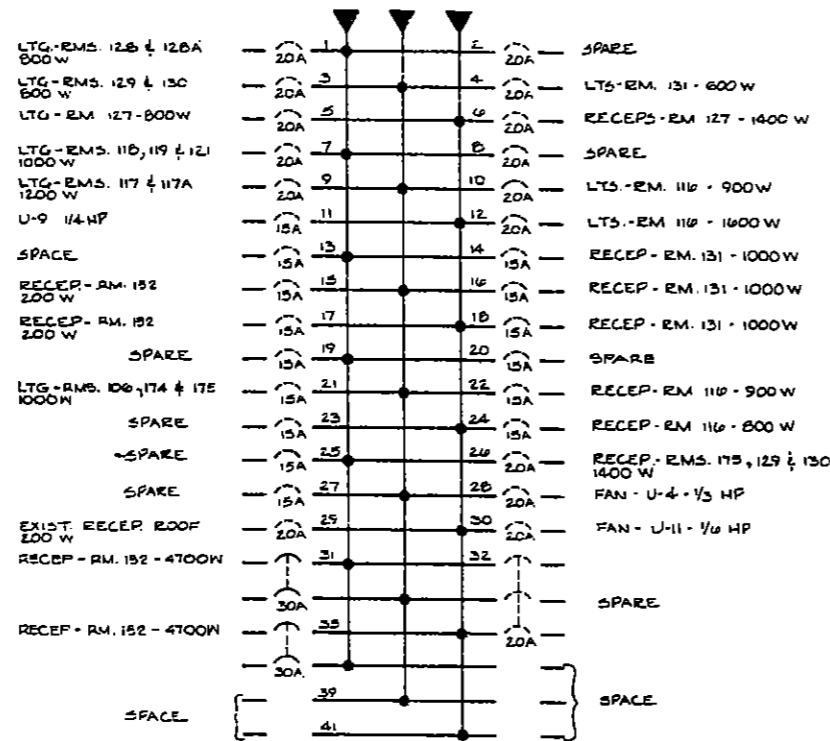
**PANEL "C"**

208Y/120V, 3Ø, 4W, 200A MLO, TOTAL CONNECTED LOAD: 40.56 KW

**NOTES**

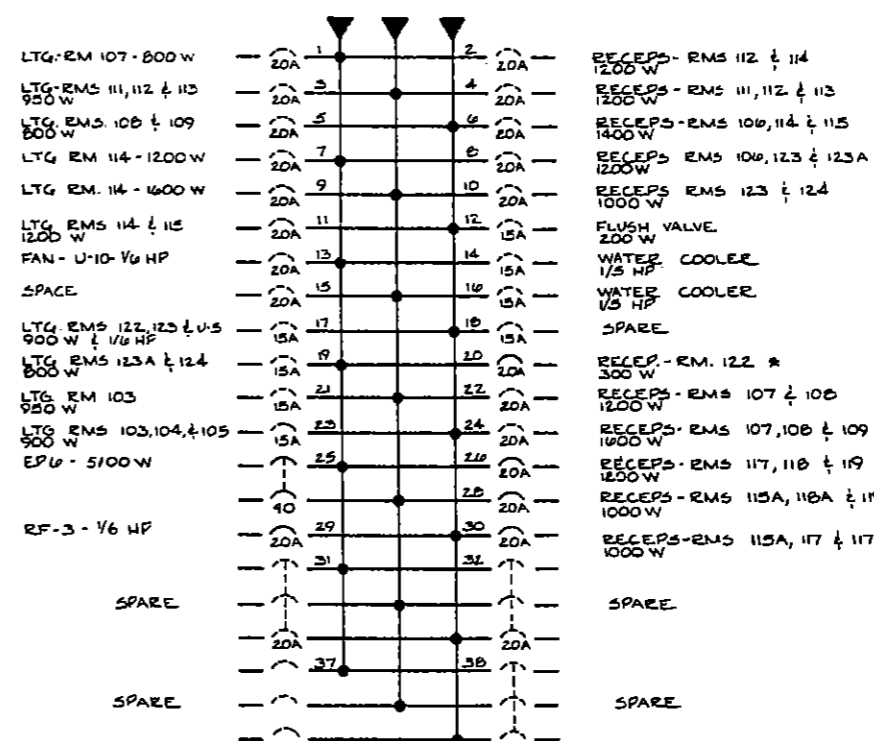
1. EXISTING PANELS WERE MADE BY KINNEY ELECTRICAL MFG. CO., 678 BUCKLEY ST., ELGIN, IL. 60120. EXISTING BREAKERS ARE WESTING HOUSE BOLT-ON TYPE.

2. DASHED LINE (2Ø) INDICATES EXISTING CIRCUIT BREAKER IN EXISTING PANEL. SOLID LINE (2Ø) INDICATES NEW CIRCUIT BREAKER IN EXISTING PANEL.



**PANEL "F"**

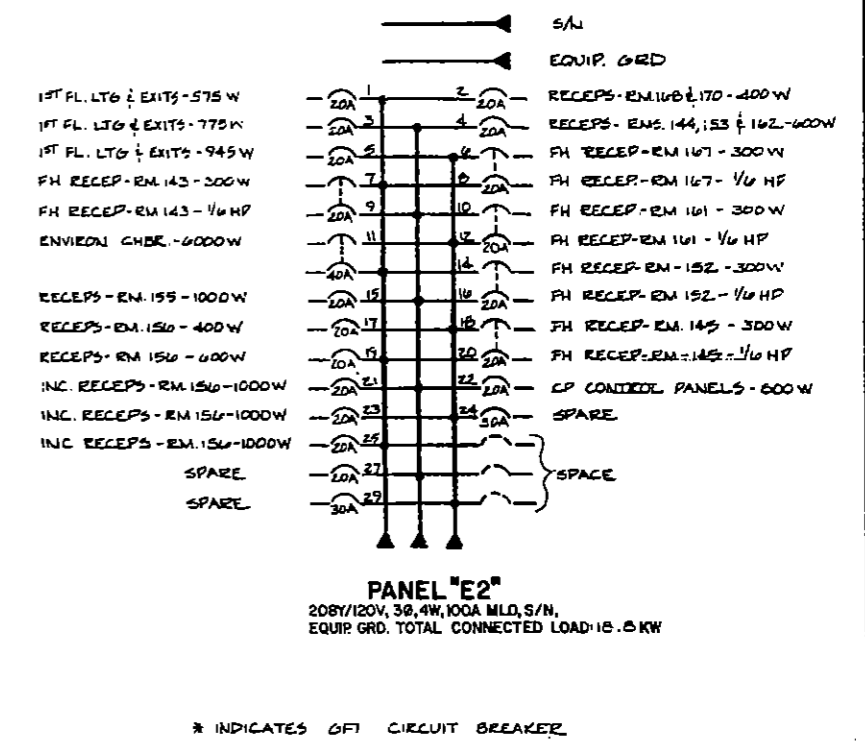
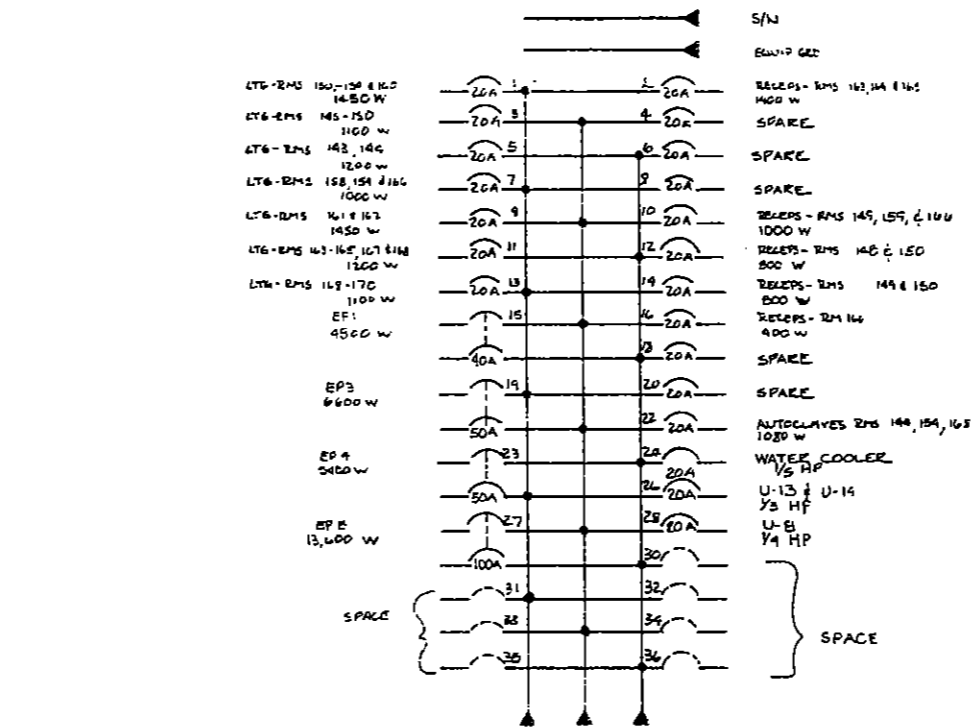
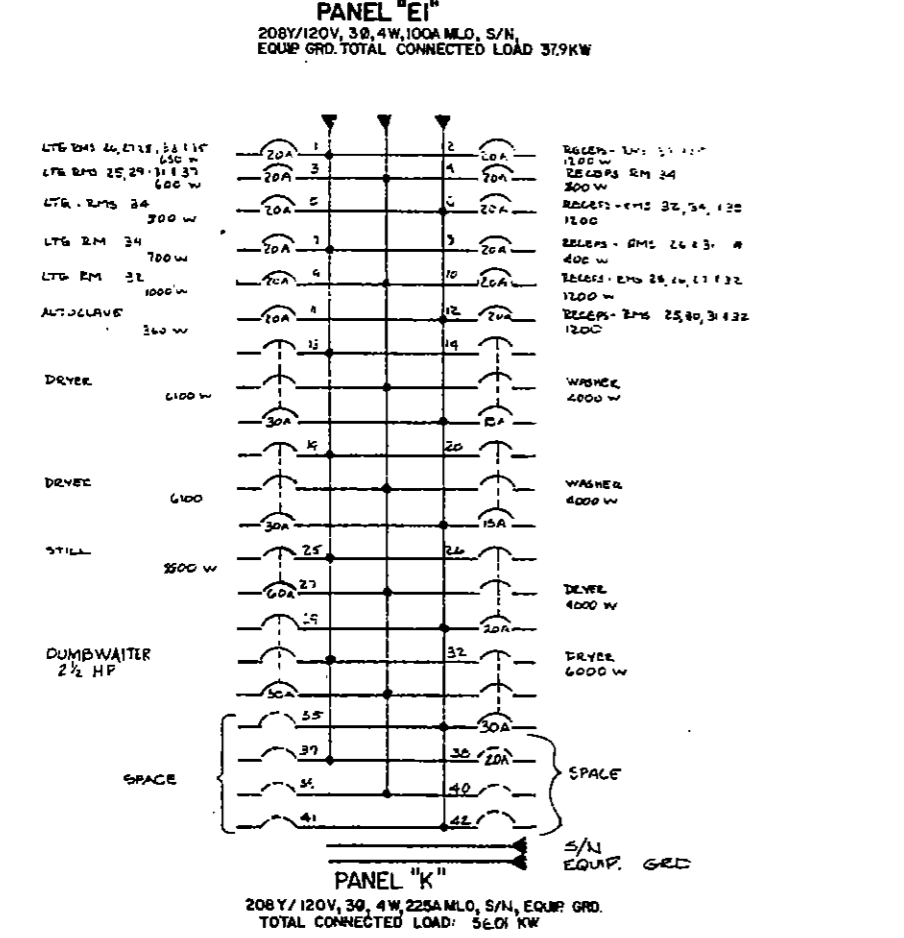
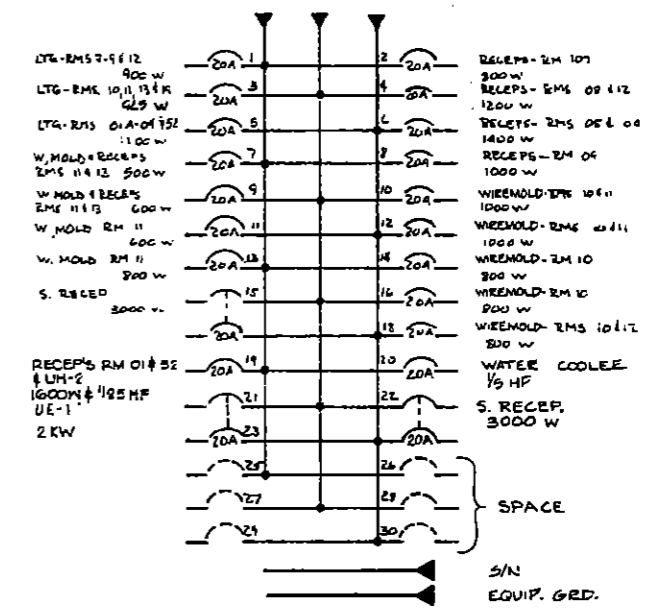
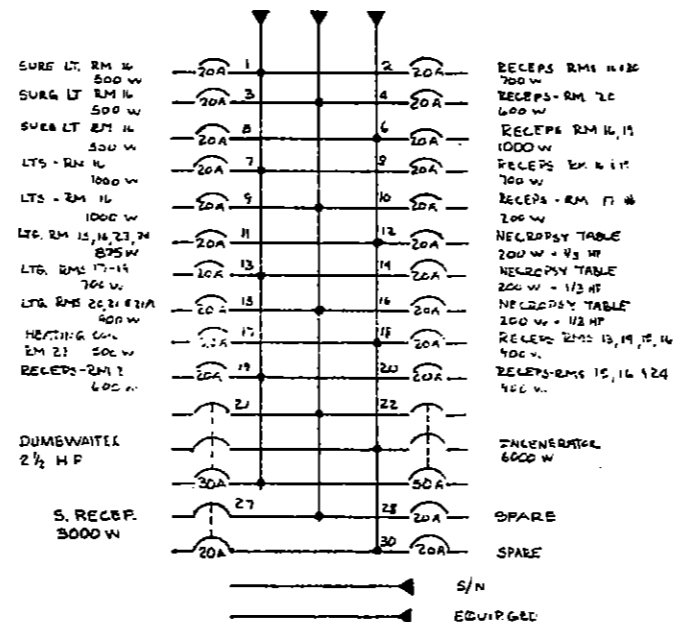
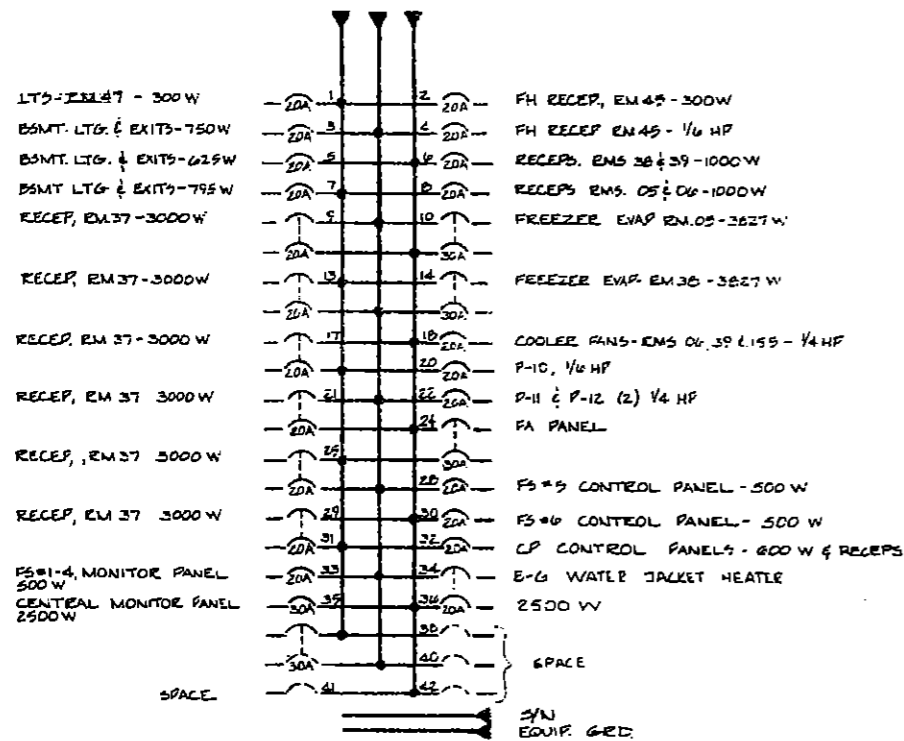
208Y/120V, 3Ø, 4W, 200A MLO, TOTAL CONNECTED LOAD: 26.7 KW



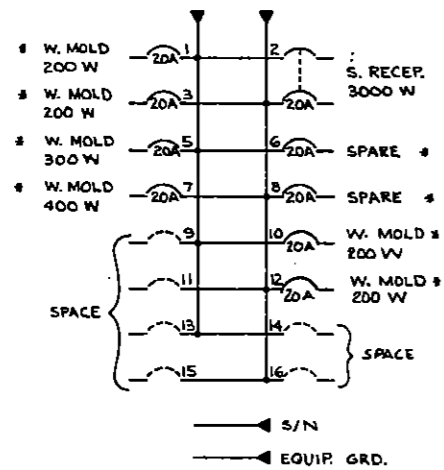
**PANEL "D"**

208Y/120V, 3Ø, 4W, 200A MLO, TOTAL CONNECTION LOAD: 30.8 KW

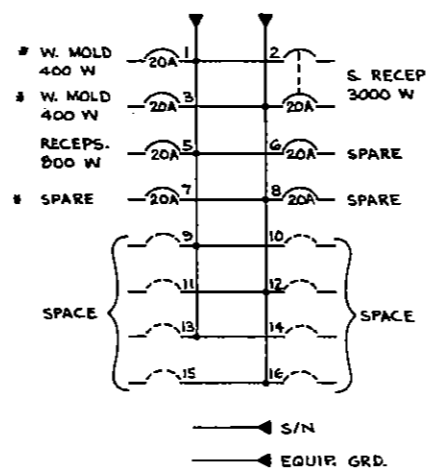
REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB MADISON, WISCONSIN EXISTING BRANCH PANEL SCHEDULES				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
11/78	J.F.	J.D.	W.A.	DEC-WI-927-110.0



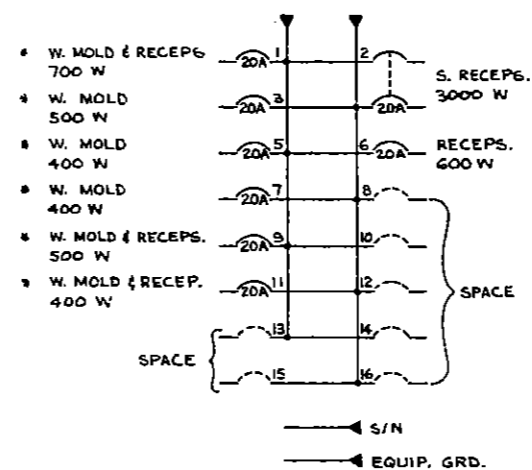
REVISION	STATUS	DATE	DESCRIPTION	BY
<b>NATIONAL WILDLIFE HEALTH LAB</b>				
<b>MADISON, WISCONSIN</b>			<b>NEW BRANCH CIRCUIT PANEL SCHEDULES</b>	
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
				DEC-WI-927-111.0



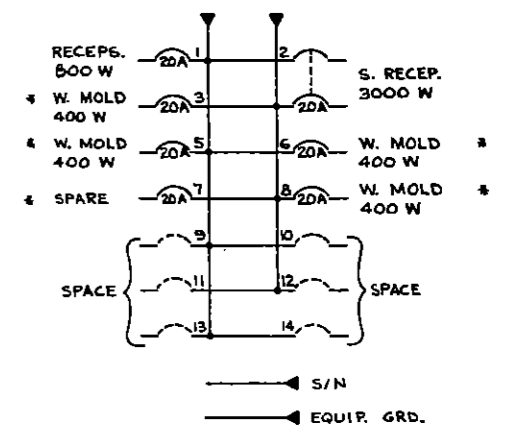
**PANEL "EP1"**  
120/208V, 1Ø, 3W, 125A MLO, S/N, EQUIP. GRD.  
TOTAL CONNECTED LOAD: 4.8 KW



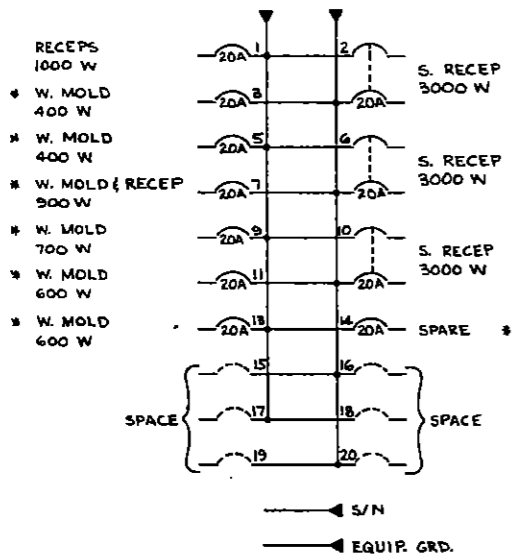
**PANEL "EP2"**  
120/208V, 1Ø, 3W, 125A MLO, S/N, EQUIP. GRD.  
TOTAL CONNECTED LOAD: 4.6 KW



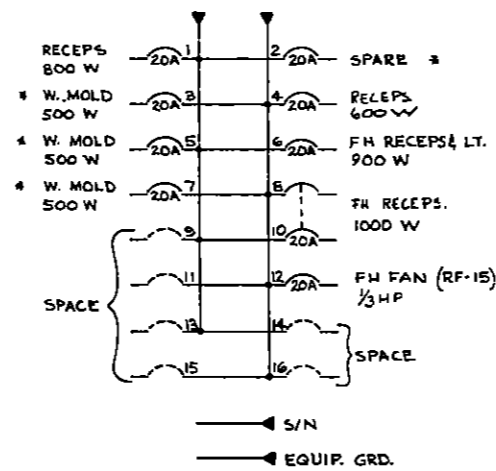
**PANEL "EP3"**  
120/208V, 1Ø, 3W, 125A MLO, S/N, EQUIP. GRD.  
TOTAL CONNECTED LOAD: 6.6 KW



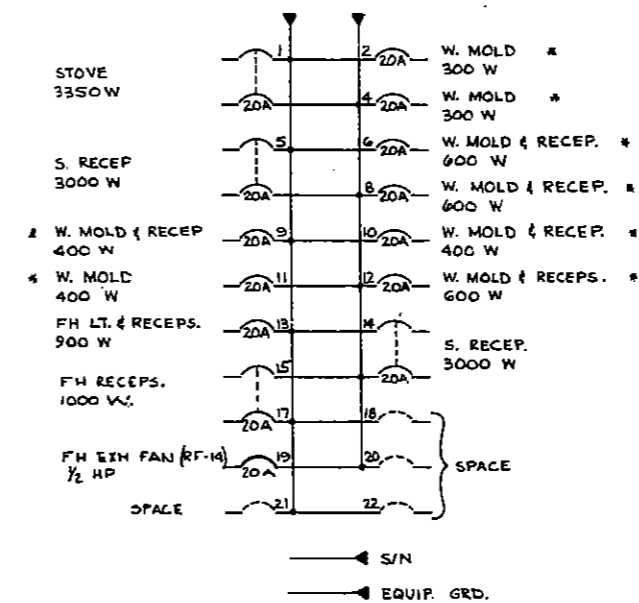
**PANEL "EP4"**  
120/208V, 1Ø, 3W, 125A MLO, S/N, EQUIP. GRD.  
TOTAL CONNECTED LOAD: 5.4 KW



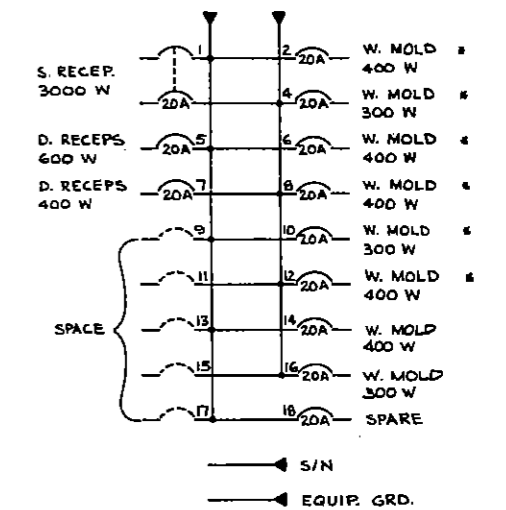
**PANEL "EP5"**  
120/208V, 1Ø, 3W, 125A MLO, S/N, EQUIP. GRD.  
TOTAL CONNECTED LOAD: 13.6 KW



**PANEL "EP6"**  
120/208V, 1Ø, 3W, 125A MLO, S/N, EQUIP. GRD.  
TOTAL CONNECTED LOAD: 5.1 KW



**PANEL "EP7"**  
120/208V, 1Ø, 3W, 125A MLO, S/N, EQUIP. GRD.  
TOTAL CONNECTED LOAD: 15.8 KW

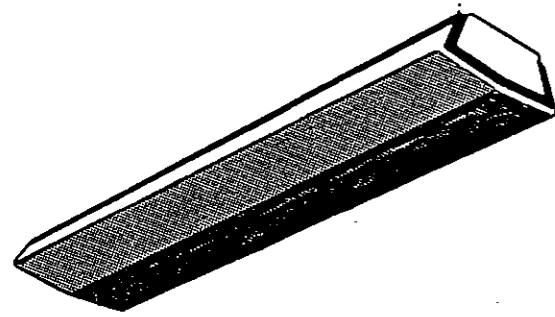


**PANEL "EP8"**  
120/208V, 1Ø, 3W, 125A MLO, S/N, EQUIP. GRD.  
TOTAL CONNECTED LOAD: 6.2 KW

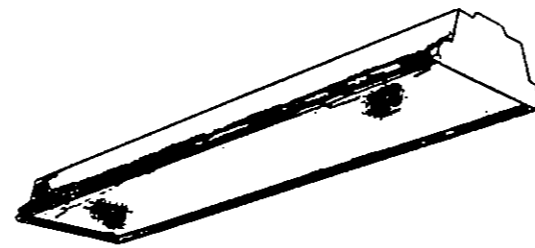
\* INDICATES GFI CIRCUIT BREAKER

REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB				
MADISON, WISCONSIN			LAB EQUIPMENT PANEL SCHEDULES	
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
11/78	J.F.	S.G.	W.A.	DEC-WI-927-112.0

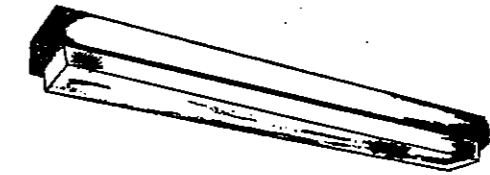




TYPES "A", "AI" & "A2"



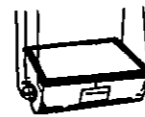
TYPES "B", "BI", "G" & "H"



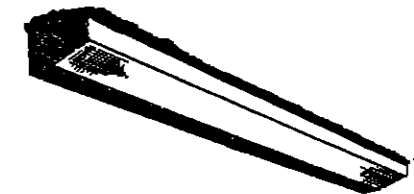
TYPES "C", "CI" & "C2"



TYPE "N"



TYPE "L"



TYPES "F", "FI", "F2" & "F3"



TYPES "D" & "DI"

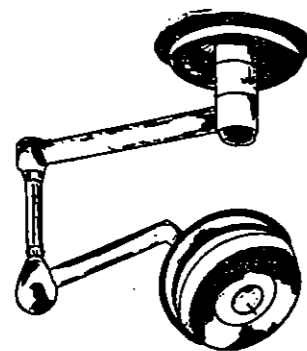


TYPE "EX"

NOTE: SEE SECTION 16500 OF SPECIFICATION FOR LIGHTING FIXTURE DESCRIPTIONS. FIXTURES SHOWN ARE NOT TO SCALE.



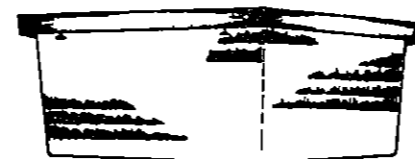
TYPE "M"



TYPE "J"

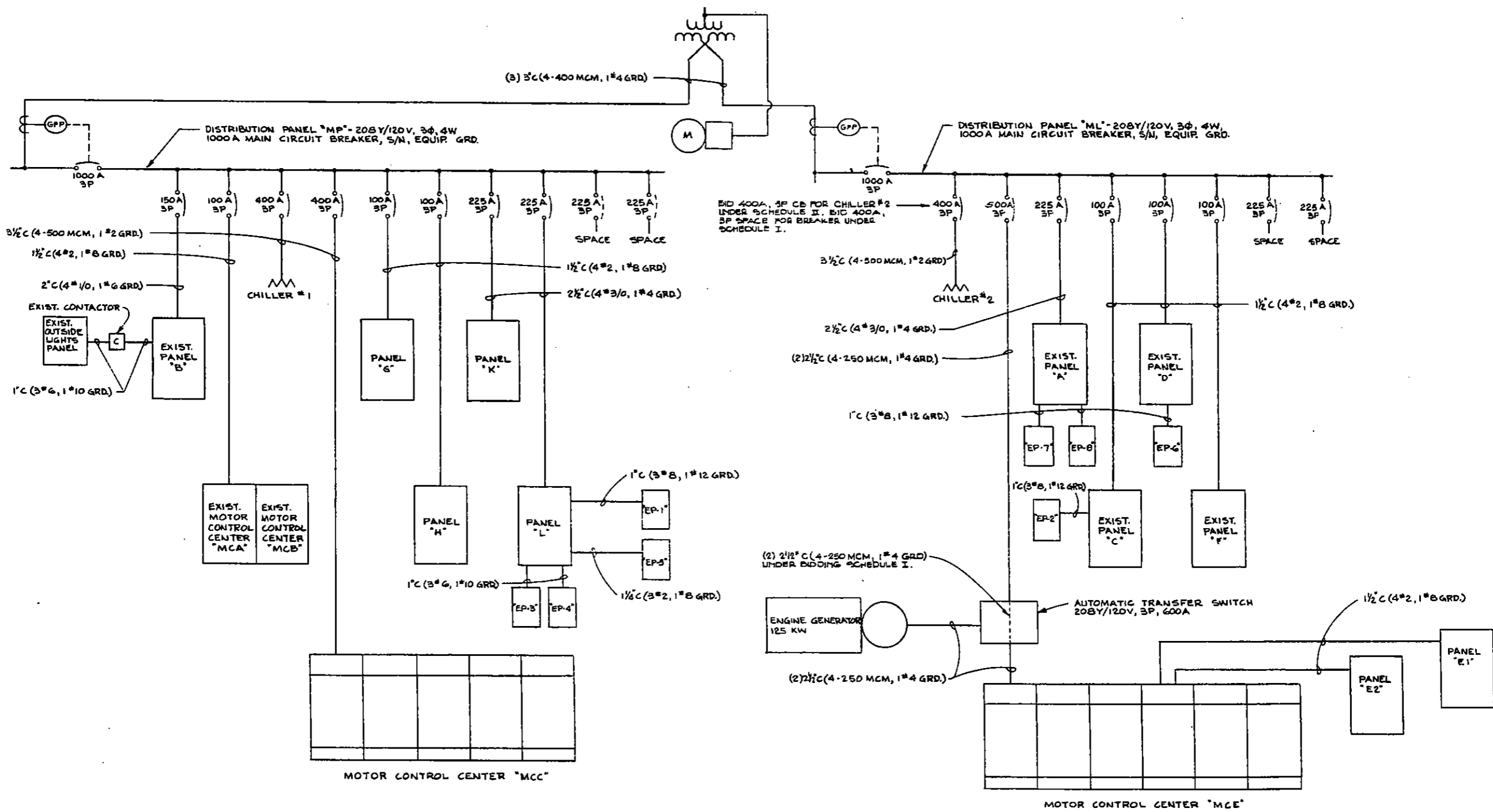


TYPES "X", "XI", "X2" & "X3"

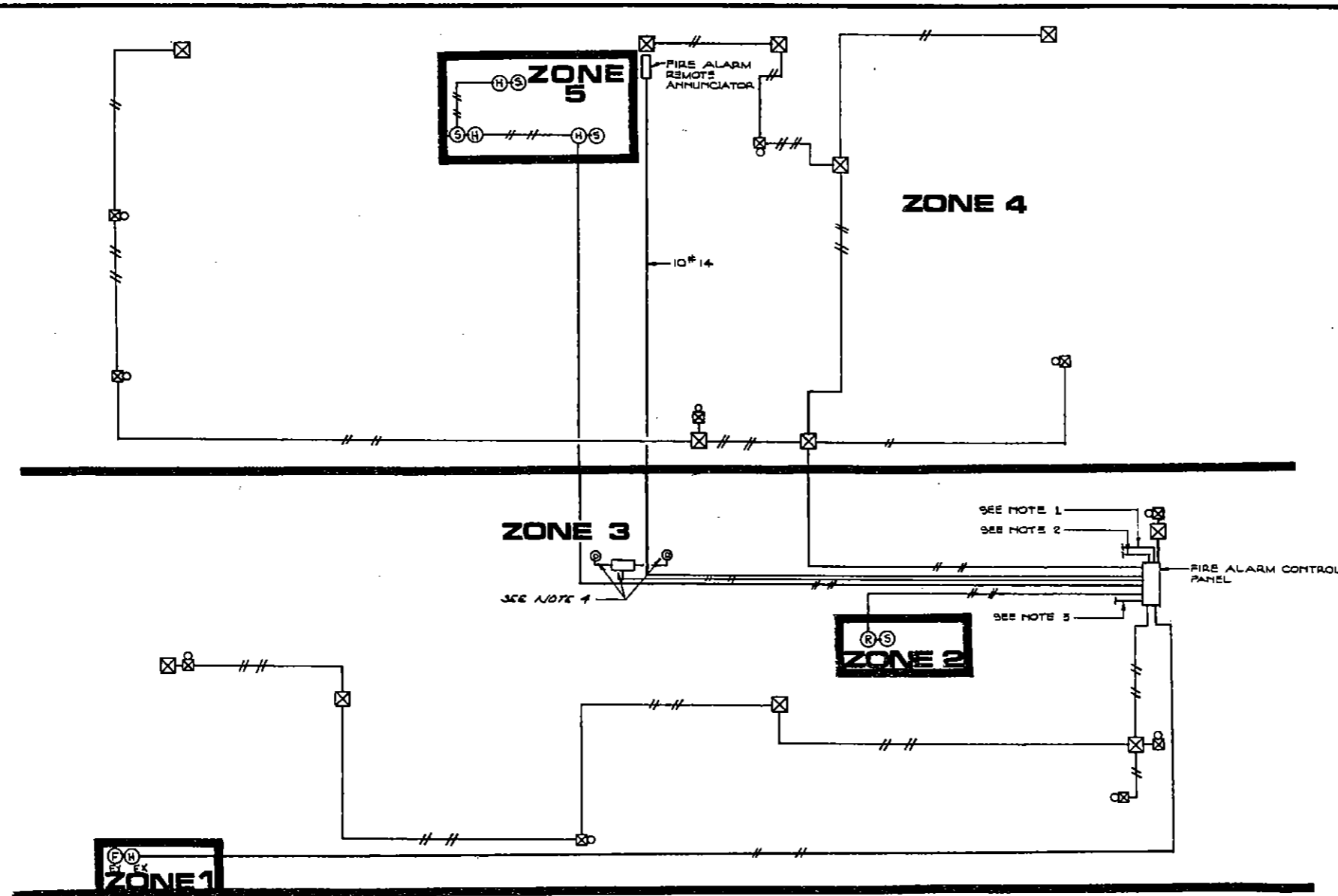


TYPES "K" & "KI"

REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB MADISON, WISCONSIN				
			LIGHTING FIXTURE DETAILS	
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
11/78	J.F.	J.D.	W.A.	DEC-WI-927-113.0



REVISION	STATUS	DATE	DESCRIPTION	B1
NATIONAL WILDLIFE HEALTH LAB				
ONE LINE DIAGRAM				
MADISON, WISCONSIN				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
11/78	JF	WC	WA	DEC-WI-927-114.0



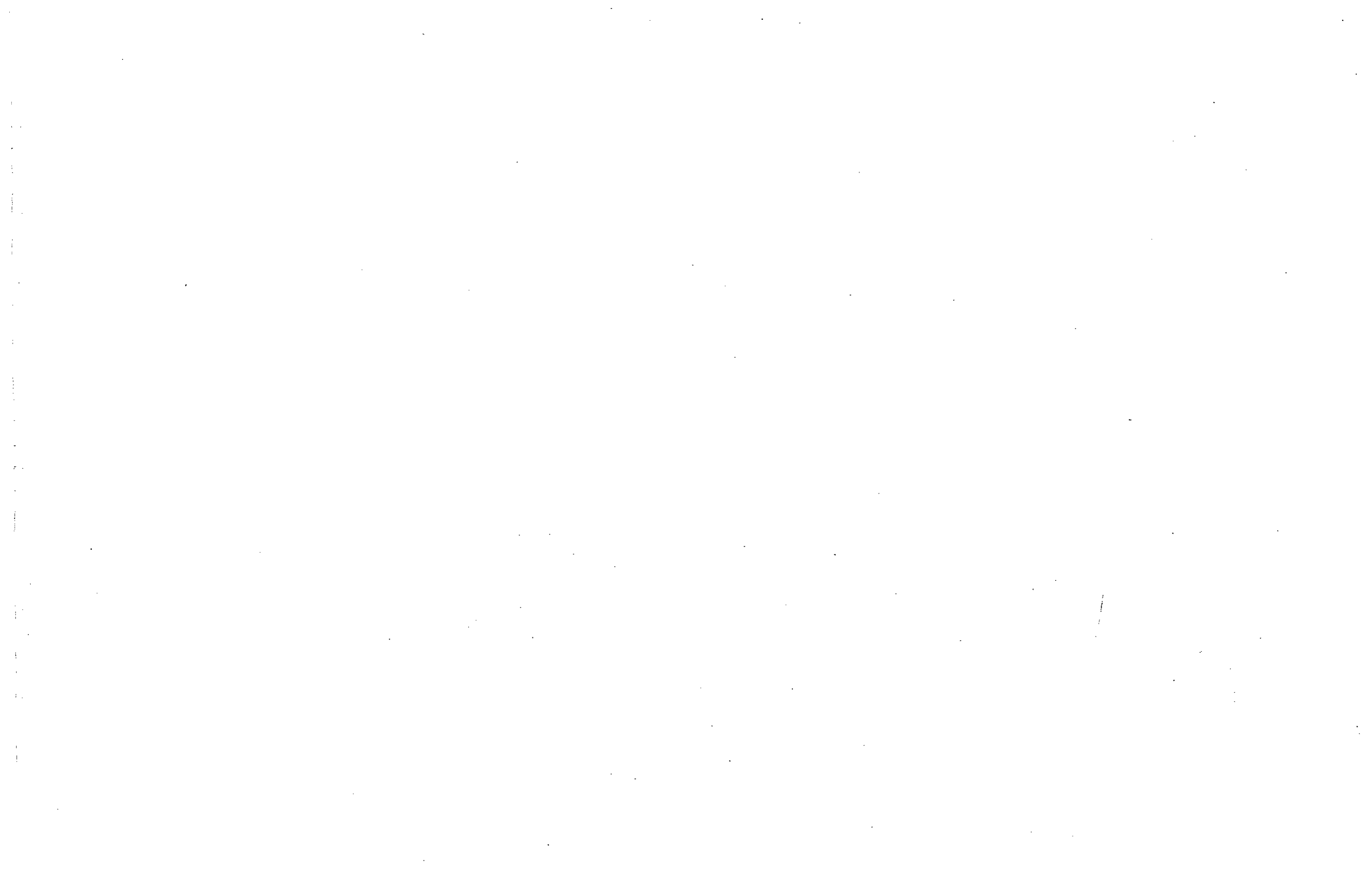
**FIRE ALARM RISER DIAGRAM**  
NO SCALE

**NOTES:**

1. CONTROL WIRING TO MOTOR CONTROL CENTER "MCC" FOR FAN SYSTEM SHUTDOWN AND LAMINAR FLOW HOOD EXHAUST FAN OVER-RIDE.
2. CONTROL WIRING TO HALON EXTINGUISHING RELEASING FOR ZONES 1, 2, AND 5.
3. WIRING TO WATERFLOW DETECTORS AND SUPERVISORY SWITCHES.
4. EXISTING SMOKE DETECTORS AND RELAY PANEL. SEE SMOKE DETECTION DETAIL ON SHF. 119

REVISION	STATUS	DATE	DESCRIPTION	BY
NATIONAL WILDLIFE HEALTH LAB				
<b>FIRE ALARM RISER DIAGRAM</b>				
MADISON, WISCONSIN				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
11/78	J.C.	D.P.	W.A.	

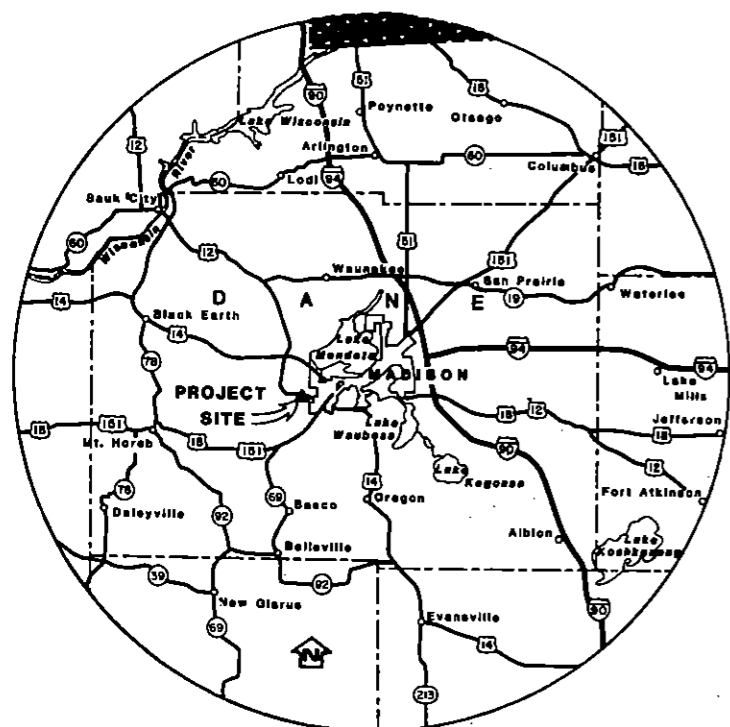




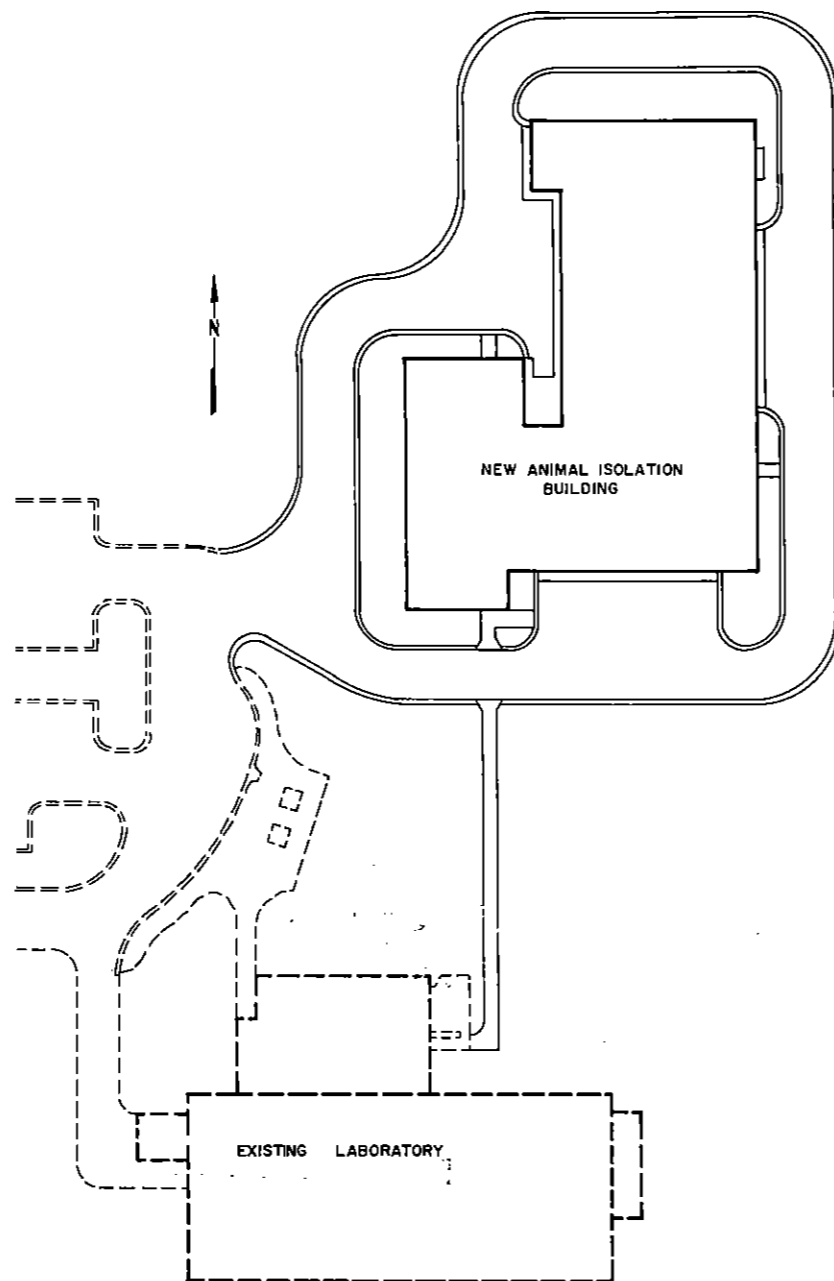
# NATIONAL WILDLIFE HEALTH LABORATORY

MADISON, WISCONSIN

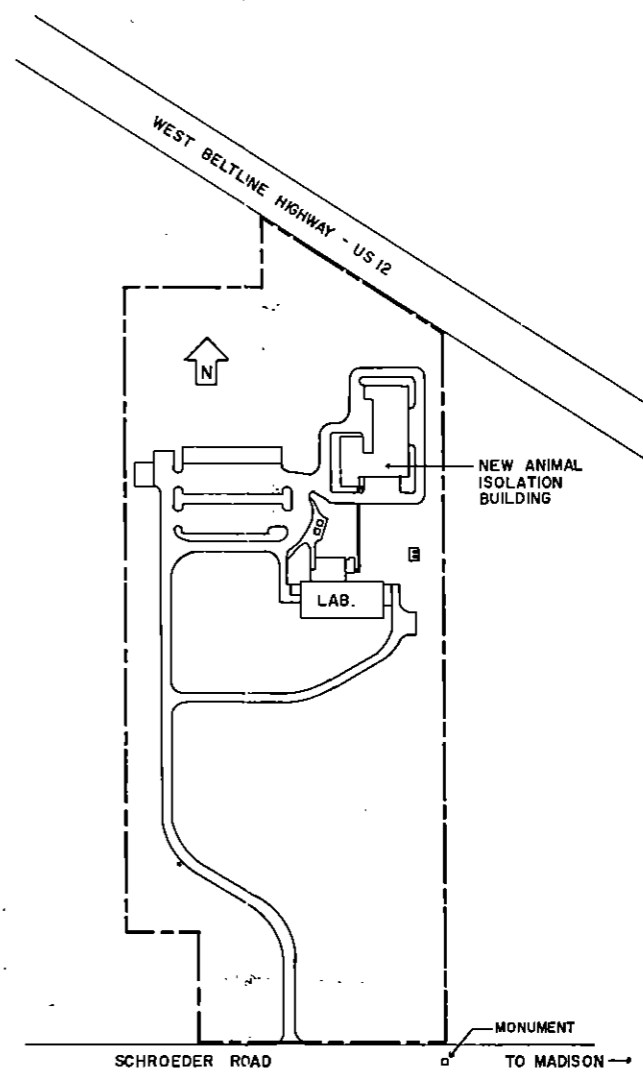
## ANIMAL ISOLATION BUILDING



VICINITY MAP



SITE PLAN



PROJECT SITE

SUBMITTED BY <b>V. Q. Kowalski</b> CHIEF ENGINEER CENTER	REVIEWED BY NAME: <i>Dr. Milton Spindel</i> TITLE: DIRECTOR DATE: MAY 1, 1984	DESIGNED W. R. A.	CHECKED W. B. S.	DATE 7/84	SUBMITTED BY DATE
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VICINITY MAP, PROJECT SITE  
AND SITE PLAN

DANE COUNTY WISCONSIN

SHEET NO.  
OF  
**1**  
**174**

DRAWING NO.  
DEC-WI-927-345.0

UNITED STATES DEPARTMENT OF THE INTERIOR  
**FISH AND WILDLIFE SERVICE**  
DENVER ENGINEERING CENTER

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	346 .0	2 of 174	DRAWING INDEX
	347 .0	3 of 174	DRAWING INDEX

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L-3	350 .0	6 of 174	STAKING PLAN AND LAYOUT
L-4	351 .0	7 of 174	FINISH GRADE AND SPOT ELEVATIONS
L-5	352 .0	8 of 174	UTILITY PLAN-MECHANICAL AND ELECTRICAL
L-6	353 .0	9 of 174	SOILS INFORMATION AND SITE DETAILS
L-7	354 .0	10 of 174	SITE DETAILS
L-8	355 .0	11 of 174	SEWER MANHOLES AND THRUST BLOCK DETAILS
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REVISION	STATUS	DATE	DESCRIPTION	BY
			<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>	
			<b>DRAWING INDEX</b>	
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WRA	WRA	WBS	DEC-WI-927-346 .0

### DRAWING INDEX

DRAWING CODE	DWG. NO. DEC-WI-927-	SHEET NUMBER	DESCRIPTION
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### DRAWING INDEX

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M-41	502 .0	158 of 174	EQUIPMENT PERFORMANCE SCHEDULE
M-42	503 .0	159 of 174	EQUIPMENT PERFORMANCE SCHEDULE

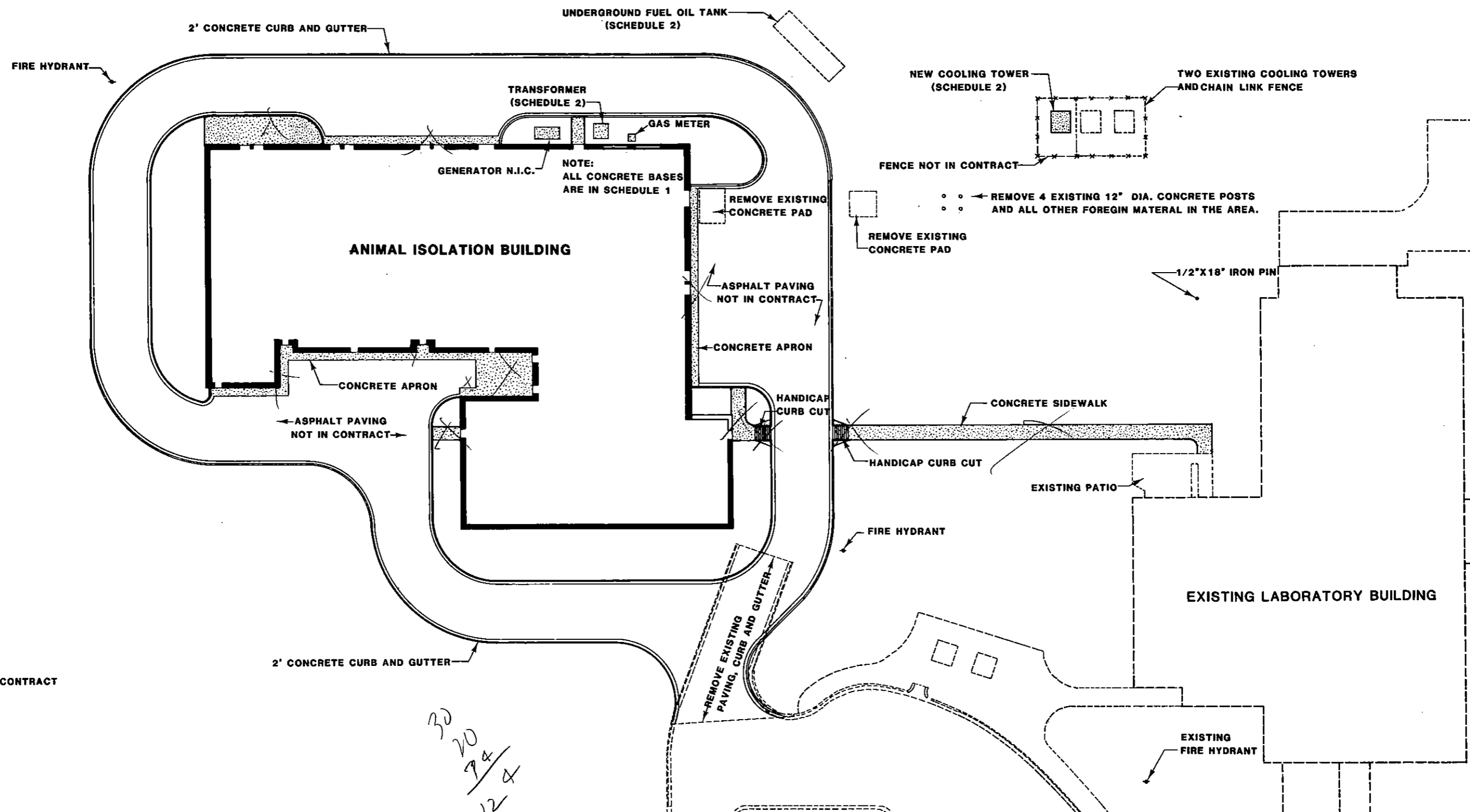
### ELECTRICAL

E-1	504 .0	160 of 174	LEGEND AND SITE PLAN
E-2	505 .0	161 of 174	ELECTRICAL PLAN 'A'
E-3	506 .0	162 of 174	ELECTRICAL PLAN 'B'
E-4	507 .0	163 of 174	ELECTRICAL PLAN 'C'
E-5	508 .0	164 of 174	ELECTRICAL PLAN 'D'
E-6	509 .0	165 of 174	ELECTRICAL PLAN 'E'
E-7	510 .0	166 of 174	ELECTRICAL PLAN 'F'
E-8	511 .0	167 of 174	ELECTRICAL SECOND FLOOR PLAN
E-9	512 .0	168 of 174	SECOND FLOOR MECHANICAL CHASE AND DETAILS
E-10	513 .0	169 of 174	LIGHTING FIXTURE DETAILS
E-11	514 .0	170 of 174	SERVICE DISTRIBUTION
E-12	515 .0	171 of 174	MOTOR CONTROL CENTER SCHEDULES
E-13	516 .0	172 of 174	PANEL SCHEDULES
E-14	517 .0	173 of 174	PANEL SCHEDULES
E-15	518 .0	174 of 174	PANEL SCHEDULES

REVISION	STATUS	DATE	DESCRIPTION	BY
MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN				
			<b>DRAWING INDEX</b>	
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WRA	WRA	WBS	DEC-WI-927-347.0



PROPERTY LINE

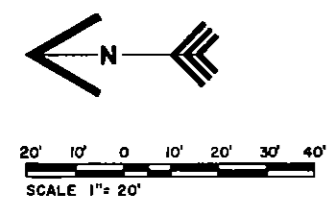


NOTE:  
ALL CONCRETE BASES  
ARE IN SCHEDULE 1

REMOVE 4 EXISTING 12" DIA. CONCRETE POSTS  
AND ALL OTHER FOREIGN MATERIAL IN THE AREA.

KEY  
N.I.C. NOT IN CONTRACT

30  
20  
74  
124



REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY</b> <b>ANIMAL ISOLATION BUILDING</b> <b>MADISON, WISCONSIN</b>				
DATE 7/84			DESIGNED A.J.M./ll	DRAWN A.J.M./ll
			CHECKED	DRAWING NO. DEC-WI-927-348.0
<b>SITE PLAN</b>				

PROPERTY LINE

CATCH BASIN #1  
INV. EL. 48.475

CATCH BASIN #3  
INV. EL. 48.775

ANIMAL ISOLATION BUILDING  
FLOOR ELEVATION 55.00 (1055.00)

INV. EL. 51.92

INV. EL. 51.33

INV. EL. 51.68

INV. EL. 50.97

INV. EL. 49.72

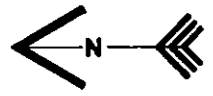
CATCH BASIN #1  
INV. EL. 47.200

CATCH BASIN #2  
INV. EL. 47.825

TEMP. BENCH MARK -1  
ELEV. 1048.78 (M.S.L.)  
TOP OF FIRE HYDRANT APPROX.  
200' WEST OF EXIST. LAB BLDG.

TEMP. BENCH MARK -2  
ELEV. 1054.58 (M.S.L.)  
TOP OF FIRE HYDRANT

**NOTE:**  
NEW CONTOUR LINES INDICATE FINISH GRADE, ROUGH GRADING UNDER BUILDING, DRIVEWAY AND WALKWAYS MUST BE GRADED ACCORDING TO DETAILS.  
SOIL BORING SEE SHEET L-6



20' 10' 0' 10' 20' 30' 40'  
SCALE 1" = 20'

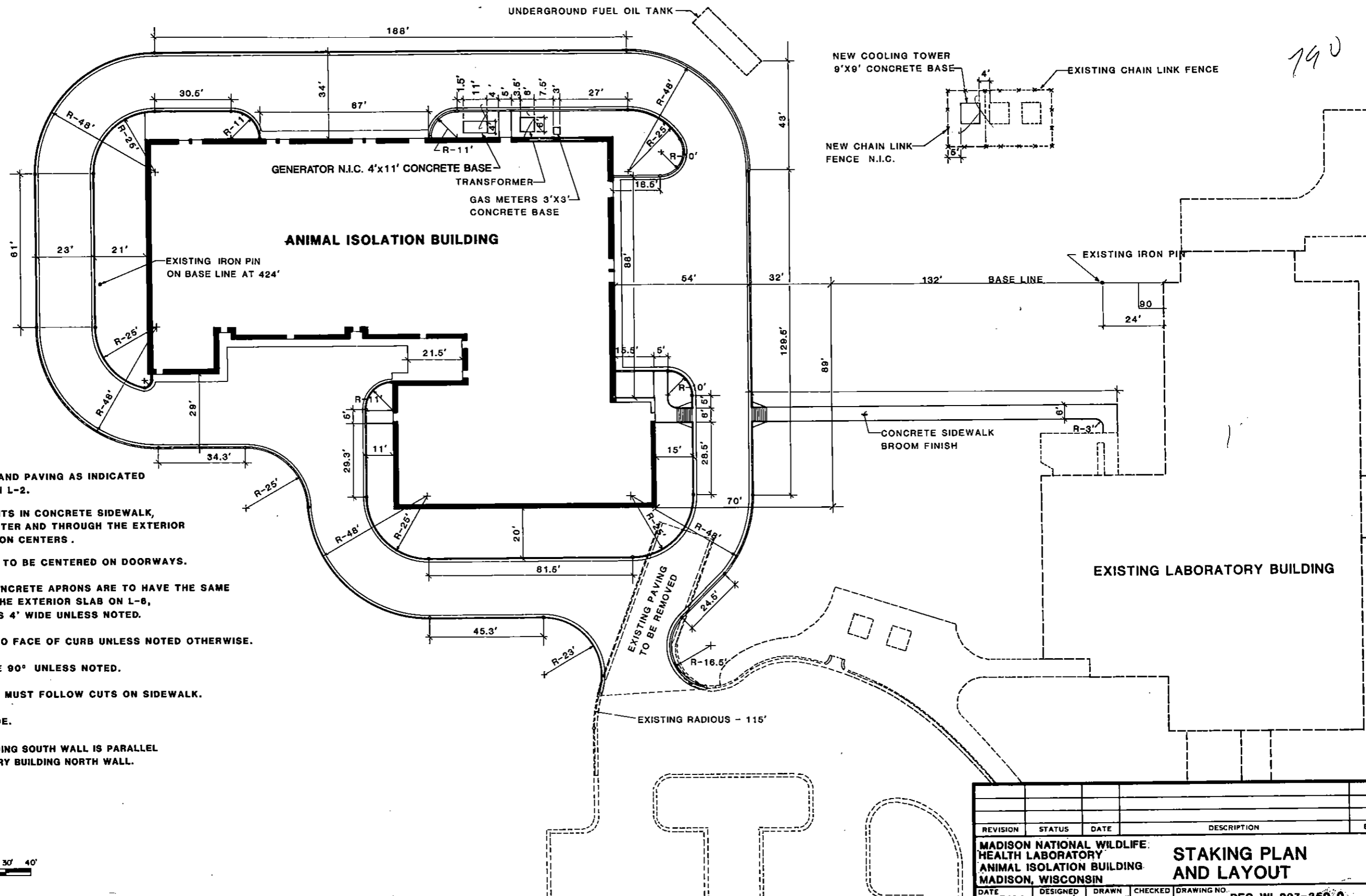
**KEY:**  
EXISTING CONTOUR LINES - - - -  
NEW CONTOUR LINES - - - -  
EL.-ELEVATION  
INV.-INVERT

FROM CATCH BASIN #1  
IT IS APPROXIMATELY 200'  
TO EXISTING MANHOLE/CATCH BASIN  
INV. EL. 48.200

REVISION	STATUS	DATE	DESCRIPTION	BY
MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN				
GRADING PLAN			SUBSURFACE DRAINAGE	
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO
7/84	A.J.M./dl	A.J.M./dl		DEC-WI-927-349.0

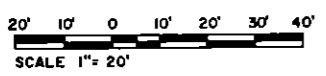
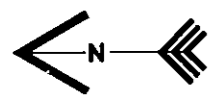
27

PROPERTY LINE



NOTES :

1. REMOVE CURB, GUTTER AND PAVING AS INDICATED REGRADE AS SHOWN ON L-2.
2. INSTALL CONTROL JOINTS IN CONCRETE SIDEWALK, CONCRETE CURB & GUTTER AND THROUGH THE EXTERIOR CONCRETE APRONS, 8' ON CENTERS.
3. CONCRETE WALKS ARE TO BE CENTERED ON DOORWAYS.
4. CROSS SECTION OF CONCRETE APRONS ARE TO HAVE THE SAME TYPICAL SECTION AS THE EXTERIOR SLAB ON L-6, ALL CONCRETE APRONS 4' WIDE UNLESS NOTED.
6. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS NOTED OTHERWISE.
7. ALL LAYOUT LINES ARE 90° UNLESS NOTED.
8. CONSTRUCTION JOINTS MUST FOLLOW CUTS ON SIDEWALK.
9. TYPICAL ROAD 23' WIDE.
10. ANIMAL ISOLATION BUILDING SOUTH WALL IS PARALLEL TO EXISTING LABORATORY BUILDING NORTH WALL.

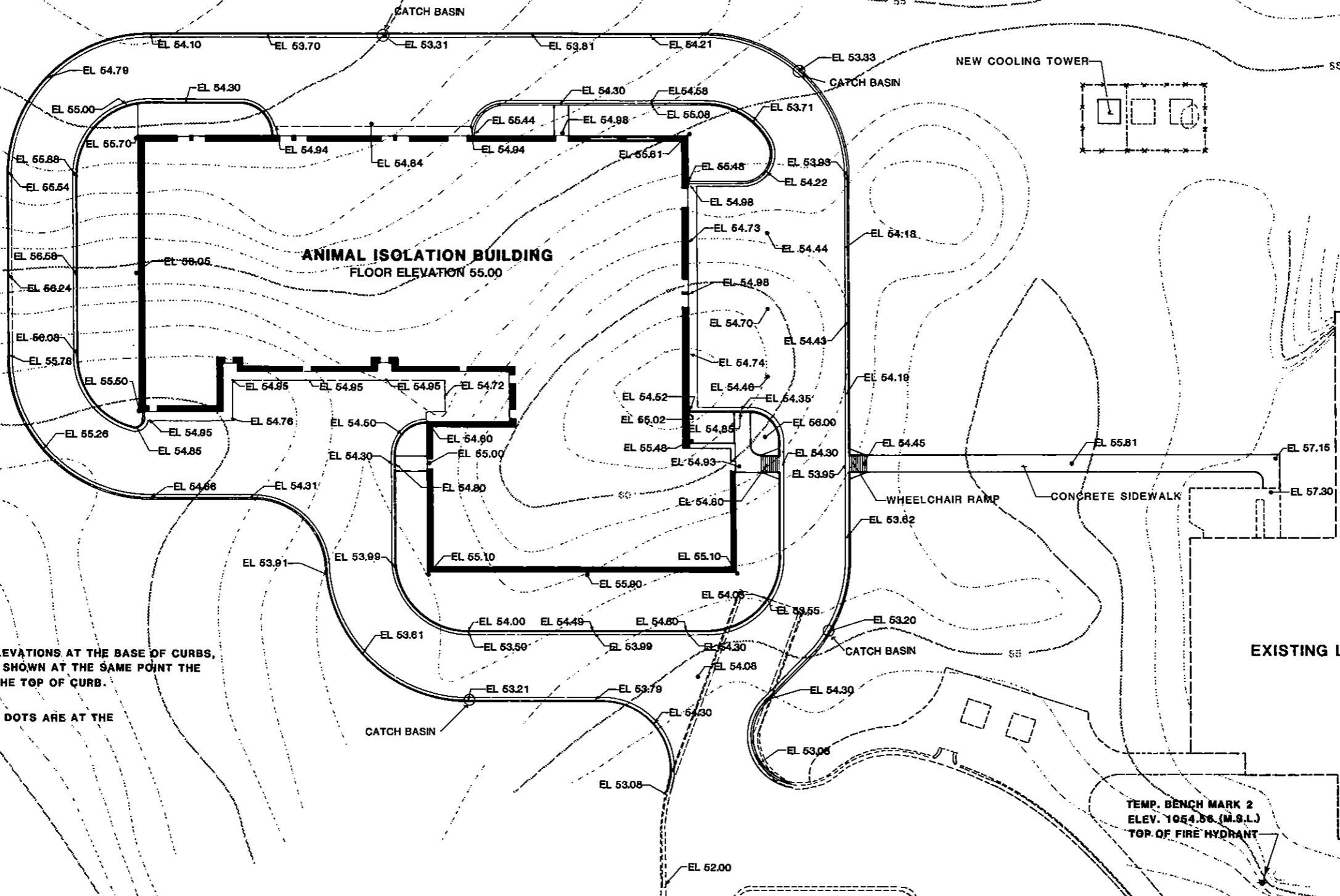


REVISION	STATUS	DATE	DESCRIPTION	BY
MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	A.J.M./ll	A.J.M./ll		DEC-WI-827-360,0

STAKING PLAN AND LAYOUT

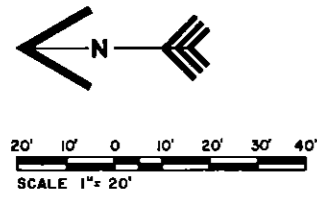
37

PROPERTY LINE



**NOTE:**

- 1. ARROWS INDICATE SPOT ELEVATIONS AT THE BASE OF CURBS, IF A DOUBLE ELEVATION IS SHOWN AT THE SAME POINT THE HIGHER ELEVATION IS AT THE TOP OF CURB.
- 2. ELEVATIONS INDICATED BY DOTS ARE AT THE POINT THEY ARE SHOWN.



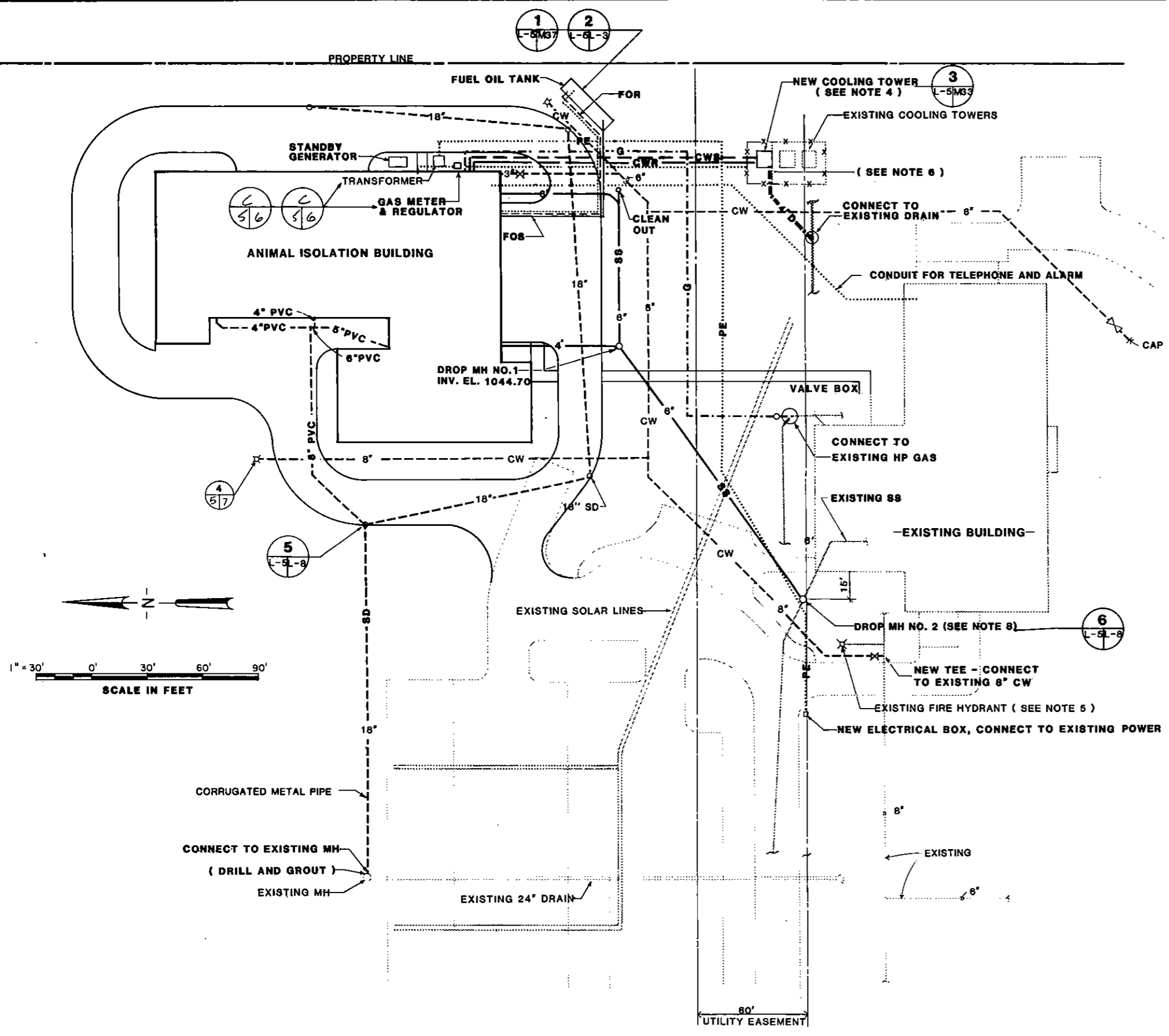
EXISTING LABORATORY BUILDING

TEMP. BENCH MARK 1  
ELEV. 1048.78 (M.S.L.) TOP OF  
FIRE HYDRANT APPROX. 200'  
WEST OF EXISTING BUILDING

TEMP. BENCH MARK 2  
ELEV. 1054.56 (M.S.L.)  
TOP OF FIRE HYDRANT

REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				
			<b>FINISH GRADE SPOT ELEVATIONS</b>	
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	A.J.M. /ll	A.J.M. /ll		DEC-WI-927-351.0

1:1



**NOTES**

1. BURY FUEL LINES IN THE SAME TRENCH 6" APART.
2. EXERCISE CAUTION IN EXCAVATING NEAR EXISTING PIPING OR STRUCTURES.
3. REFER TO L-6 FOR EQUIPMENT BASES FOR STAND-BY GENERATOR, TRANSFORMER AND GAS REGULATOR.
4. CONNECT NEW COOLING TOWER TO EXISTING COLD WATER MAKE-UP.
5. ROTATE EXISTING FIRE HYDRANT PUMPER CONNECTION TO FACE STREET
6. REMOVE FENCE BETWEEN EXISTING AND NEW COOLING TOWERS, AND EXTEND FENCE AROUND NEW TOWER. N.I.C.
7. REFER TO L-1 FOR AREAS TO HAVE PAVING REMOVED.
8. PROTECTION FOR EXISTING BUILDING FOUNDATION MAY BE NECESSARY.

**LEGEND**

EXISTING	NEW	
---	--- CW ---	COLD WATER
---	--- G ---	GAS
---	--- PE ---	PRIMARY ELECTRICAL - ( HIGH VOLTAGE )
---	--- SS ---	SANITARY SEWER
---	--- SD ---	STORM DRAIN
---	--- FOR ---	FUEL OIL RETURN ( 3/4" LINE )
---	--- FOS ---	FUEL OIL SUPPLY ( 1" LINE )
---	---	FUEL OIL GAGE LINE
---	--- CB ---	CATCH BASIN
---	--- CWR ---	CONDENSER WATER RETURN ( 5" LINE )
---	--- CWS ---	CONDENSER WATER SUPPLY ( 5" LINE )
---	--- D ---	DRAIN

REVISION	STATUS	DATE	DESCRIPTION	BY

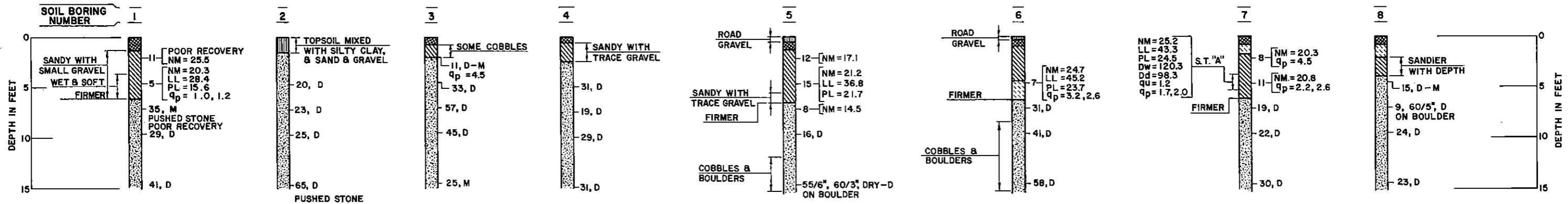
**MADISON NATIONAL WILDLIFE HEALTH LABORATORY  
ANIMAL ISOLATION BUILDING  
MADISON, WISCONSIN**

**MECHANICAL AND ELECTRICAL UTILITIES PLAN**

DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	A.J.M.	A.J.M.	W.B.S.	DEC-WI-927-352-0

**S-1**

# SOIL BORING INFORMATION



### LEGEND

FILL	BROWN CLAYEY SILT	LL = LIQUID LIMIT - % MOISTURE	Dd = DRY DENSITY; LBS./CU. FT.	S.T. = SHELBY TUBE
TOPSOIL	BROWN SILTY MOSTLY FINE SAND WITH GRAVEL AND OCCASIONAL COBBLES	PL = PLASTIC LIMIT - % MOISTURE	qu = UNCONFINED COMPRESSIVE STRENGTH; TONS/SQ. FT.	
BROWN SILTY CLAY	NM = NATURAL MOISTURE CONTENT - %	DW = WET DENSITY; LBS./CU. FT.	qp = PENETROMETER READING; TONS/SQ. FT.	

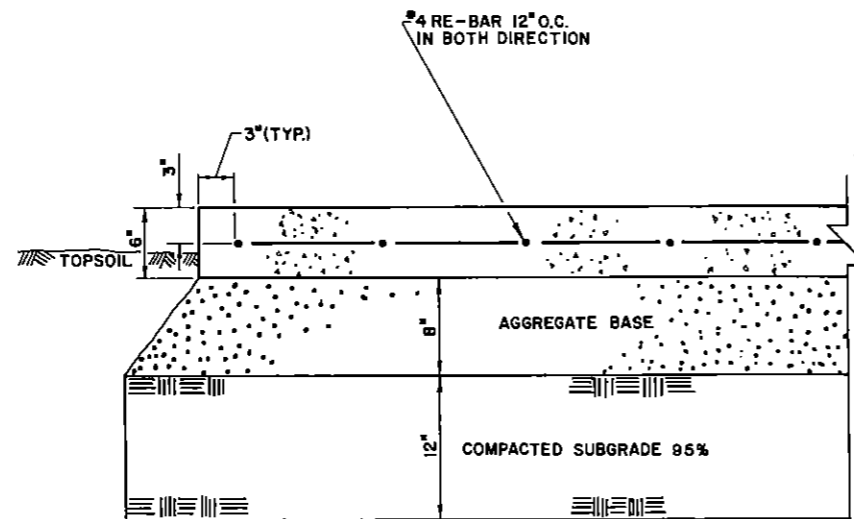
### MOISTURE CONDITION OF SAMPLES

DRY	W - WET
D - DAMP	S - SATURATED
M - MOIST	

**NOTES:** 1.) THE SOIL INVESTIGATION INFORMATION PRESENTED HERE OR ELSEWHERE IN OUR DRAWINGS AND SPECIFICATIONS ARE STRICTLY FOR INFORMATIONAL PURPOSES ONLY.  
2.) THE LOCATION OF THE SOIL BORINGS ARE SHOWN ON SHEET L-2

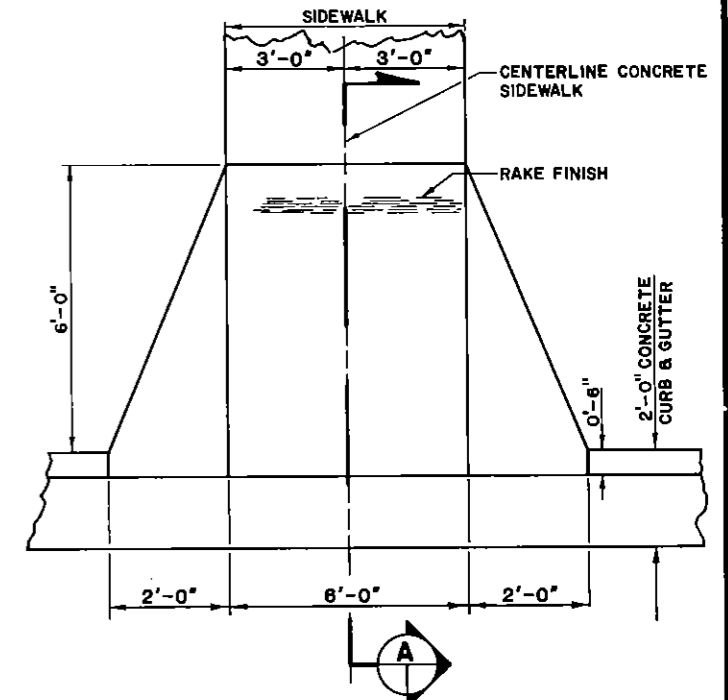
### NOTE:

CONCRETE BASE IS TO BE PLACED UNDER COOLING TOWER, GAS METER, TRANSFORMER, STAND BY GENERATOR AND USED AS APRON AROUND BUILDING.



**TYPICAL SECTION - CONCRETE BASE**

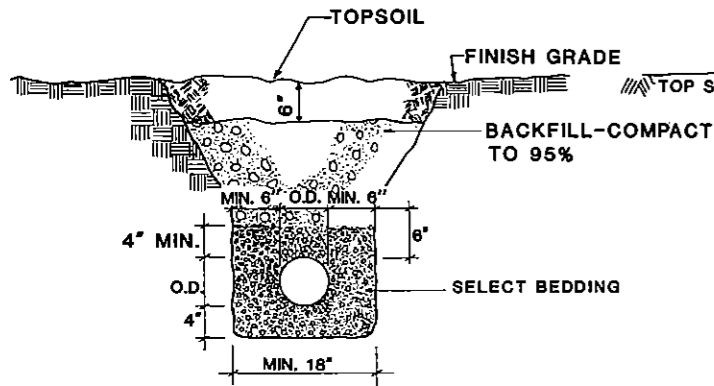
SCALE: 1 1/2" = 1'



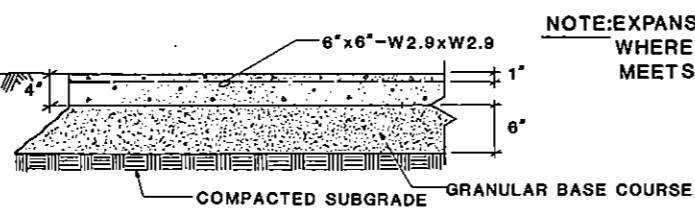
**DETAIL - HANDICAP CURB CUT**

REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY</b> <b>ANIMAL ISOLATION BUILDING</b> <b>MADISON, WISCONSIN</b>				
<b>SOILS INFORMATION &amp; MISCELLANEOUS DETAILS</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	DJ	DJ	A.J.M./JH	DEC-WI-927-359-0

**16**



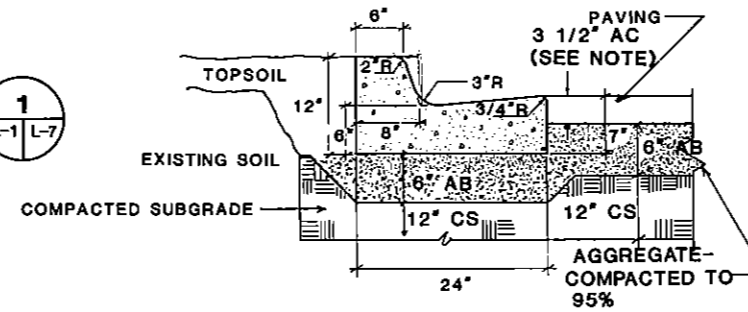
**TYPICAL PIPE TRENCH DETAIL**  
 (ALL PIPE INSTALLATIONS - DRAIN AND SUPPLY)  
 SCALE: 1"=1'



**SIDEWALK TYPICAL CROSS SECTION**  
 NO SCALE

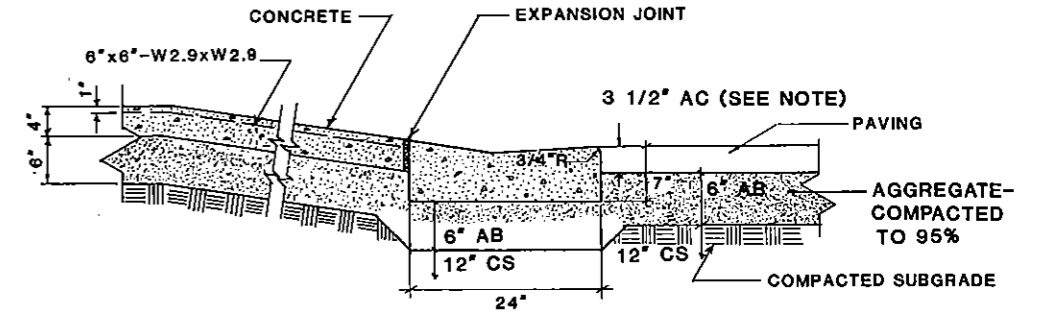
NOTE: EXPANSION JOINT REQUIRED WHERE CONCRETE MEETS BUILDING.

Handwritten notes: 1#6, 8#6, 12#7, 29, 34, 77



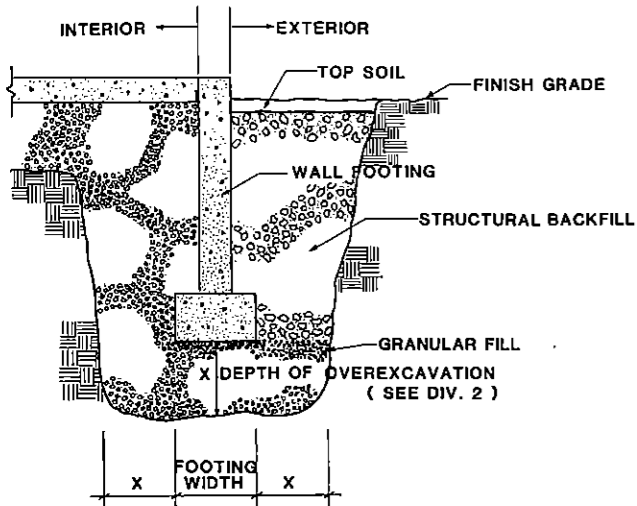
**TYPICAL CROSS SECTION CONCRETE CURB, GUTTER AND ASPHALT CONCRETE PAVING**

SCALE: 1"=1'



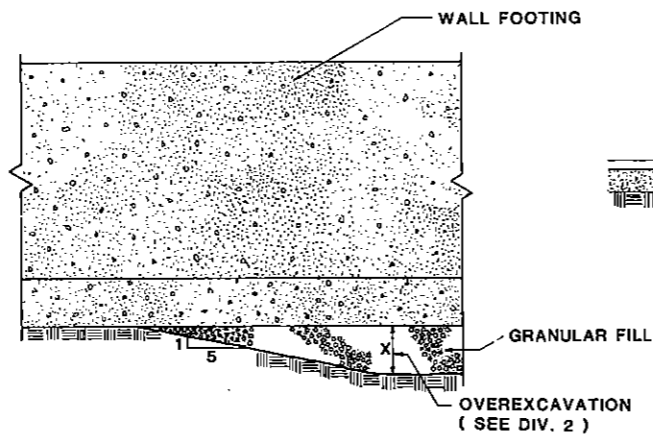
**TYPICAL SECTION - SIDEWALK & HANDICAP CURB CUT**

SCALE: 1"=1'



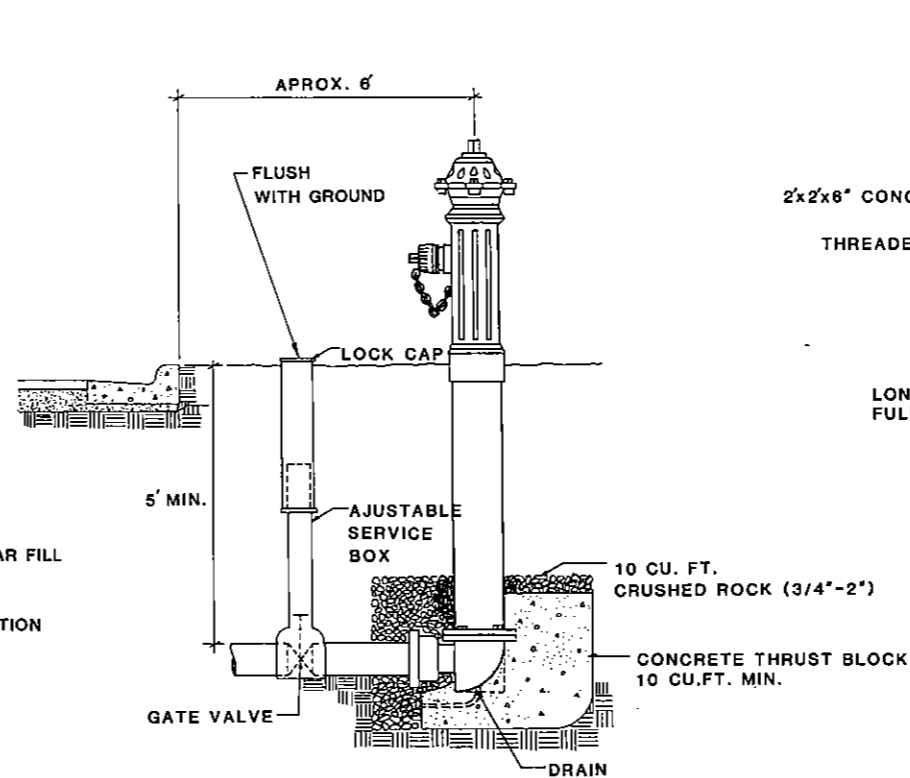
**OVEREXCAVATION TYPICAL SECTION**

(WHERE REQUIRED)  
 SCALE: 1/2"=1'



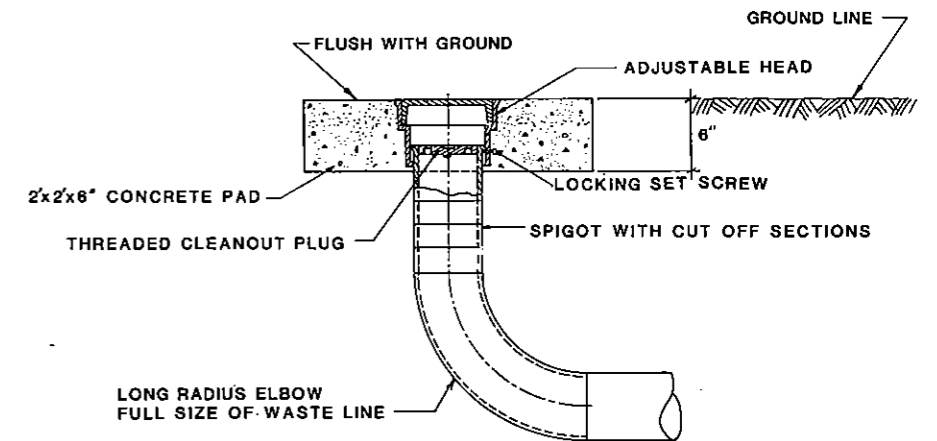
**OVEREXCAVATION TYPICAL SECTION**

(WHERE REQUIRED)  
 SCALE: 1/2"=1'



**FIRE HYDRANT WITH VALVE & BOX**

(DRY BARREL)  
 NO SCALE



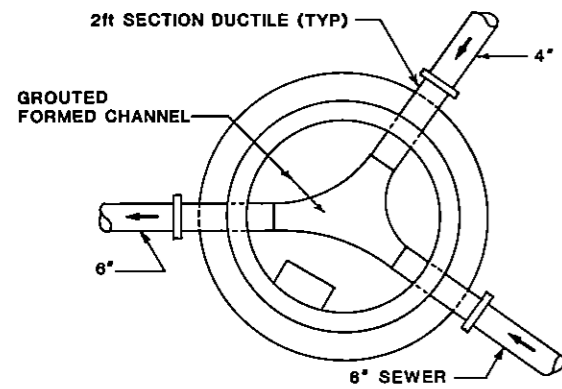
**TYPICAL GRADE CLEANOUT**

SCALE: 1 1/2"=1'

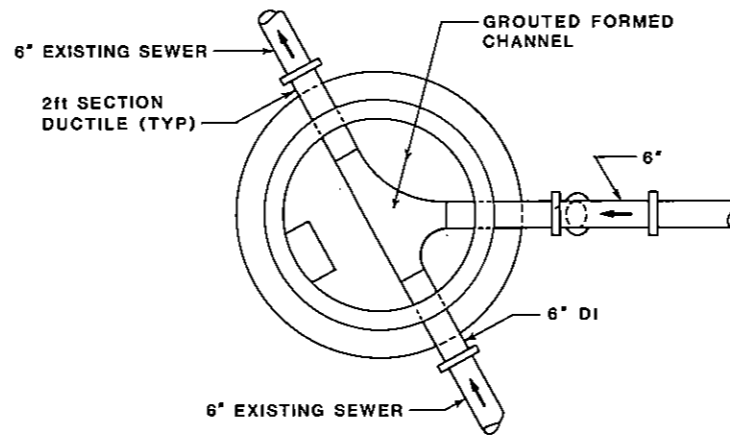
NOTE:  
 AC-ASPHALT CEMENT CONCRETE  
 1" ASPHALT CEMENT SURFACE (WEARING COURSE)  
 2 1/2" ASPHALT CEMENT BASE (BINDER COURSE)  
 AB-AGGREGATE BASE  
 CS-COMPACTED SUBGRADE

REVISION	STATUS	DATE	DESCRIPTION	BY
MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	A.J.M.	R.A.		DEC-WI-927-354.0

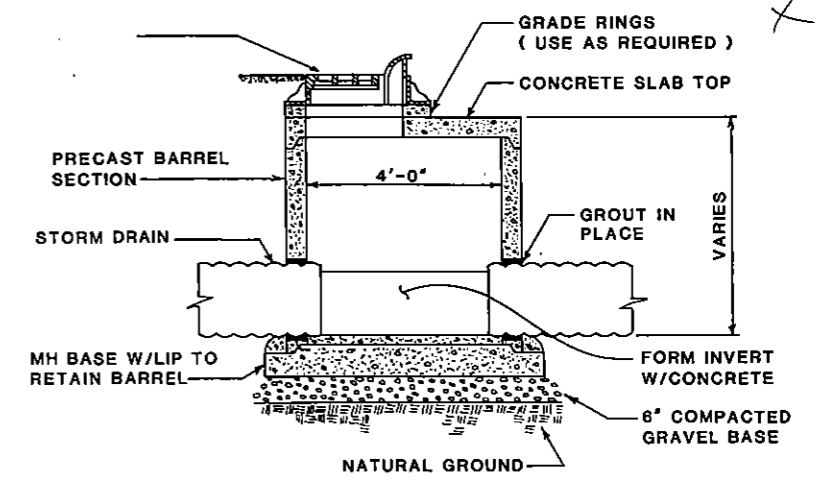
**CLEANOUT, GUTTER, HYDRANT AND TRENCH**



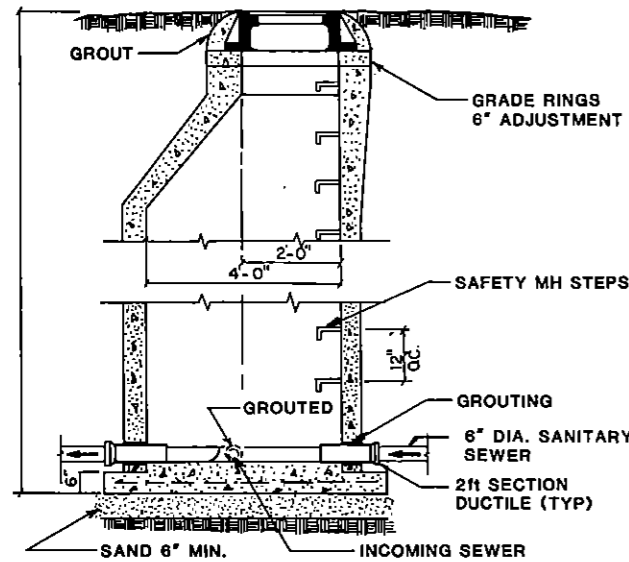
**MANHOLE NO. 1 - PLAN VIEW**



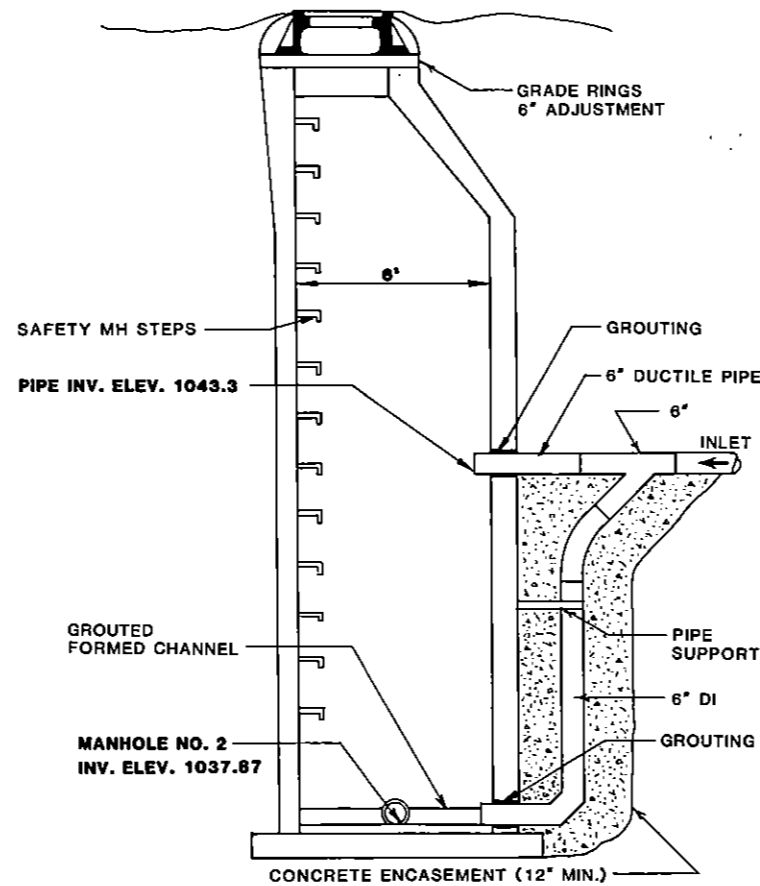
**DROP MANHOLE NO. 2 - PLAN VIEW**



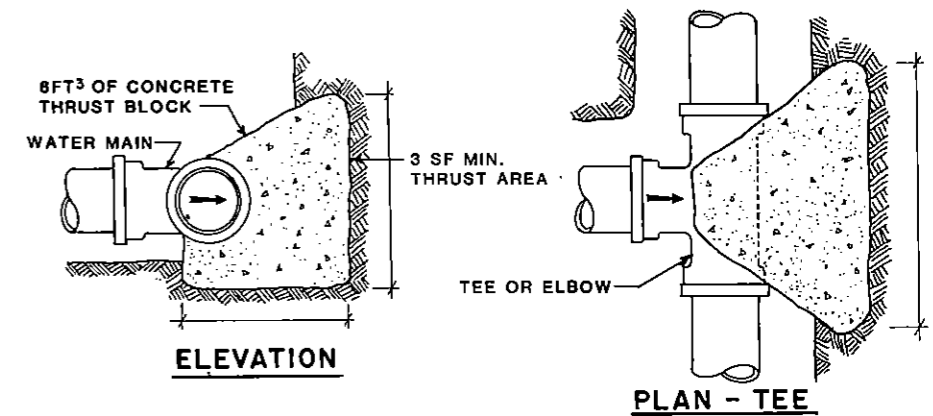
**TYPICAL CATCH BASIN**  
NOT TO SCALE



**MANHOLE - NO. 1**



**DROP MANHOLE - NO. 2**



**TYPICAL THRUST BLOCKS**

*43.3  
37.87  
5.43*

THIS SHEET NOT TO SCALE

REVISION	STATUS	DATE	DESCRIPTION	BY
MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN				
DATE 7/84			CHECKED A.J.M.	DRAWING NO. DEC-WI-927-355.0

**8-7**



PROPERTY LINE

CHAIN LINK FENCE (TYPICAL)

ANIMAL PEN AREA - 7' HIGH CHAIN LINK FENCE WITH 4' WIDE IN-SWING GATE. WITHOUT BARB WIRE.

ANIMAL ISOLATION BUILDING

PEDESTRAIN GATE CENTERED ON SIDEWALK

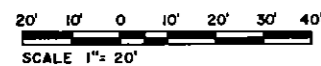
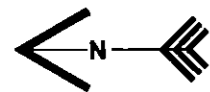
CHAIN LINK FENCE (TYPICAL)

EXISTING LABORATORY BUILDING

**FENCE PLAN**

SCALE 1"=20'

NOT IN CONTRACT



45°

15'

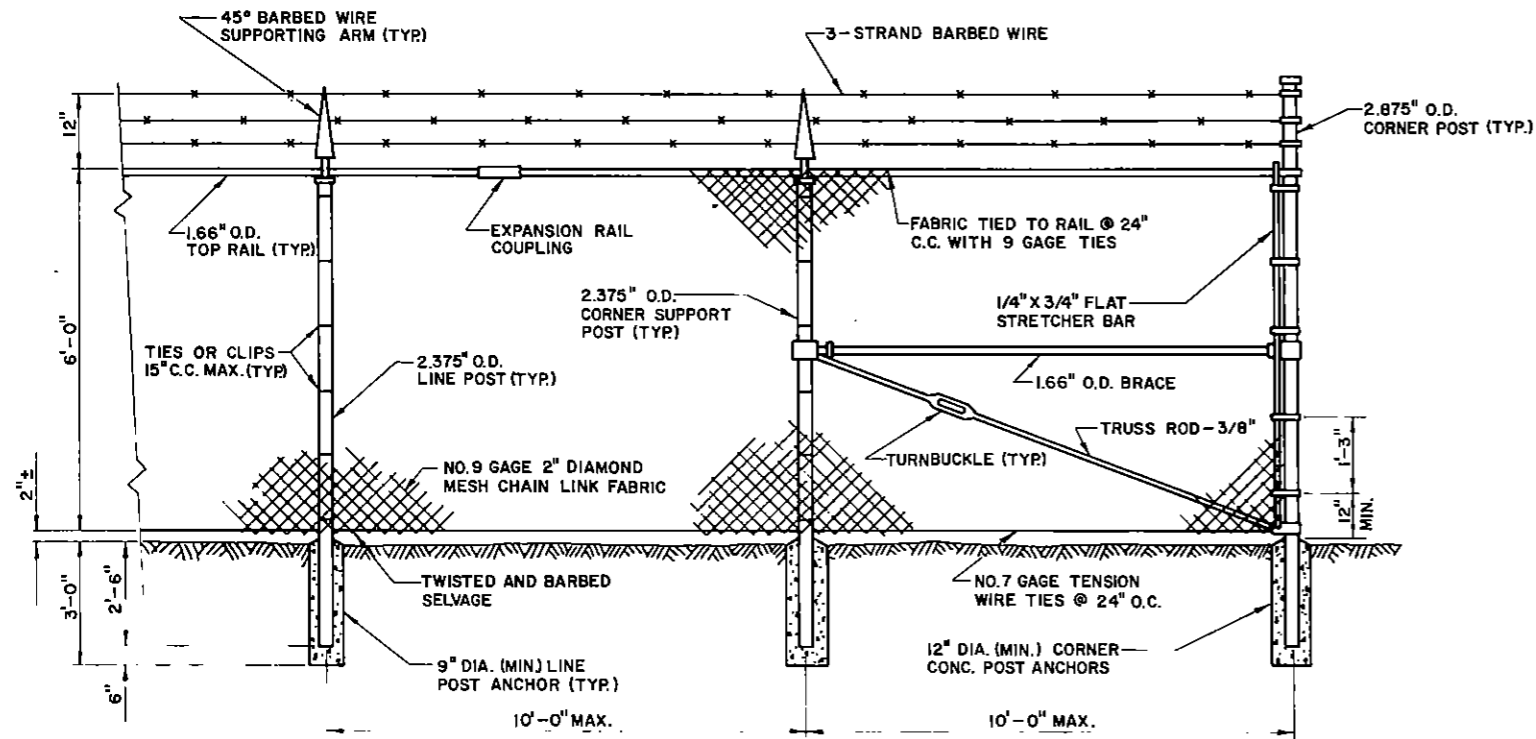
45°

DOUBLE INSWING GATE CENTERED ON ROADWAY

REVISION	STATUS	DATE	DESCRIPTION	BY
MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN				
DATE 7/84			DRAWING NO. DEC-WI-927-356.0	
DESIGNED A.J.M.		DRAWN A.J.M.		BY

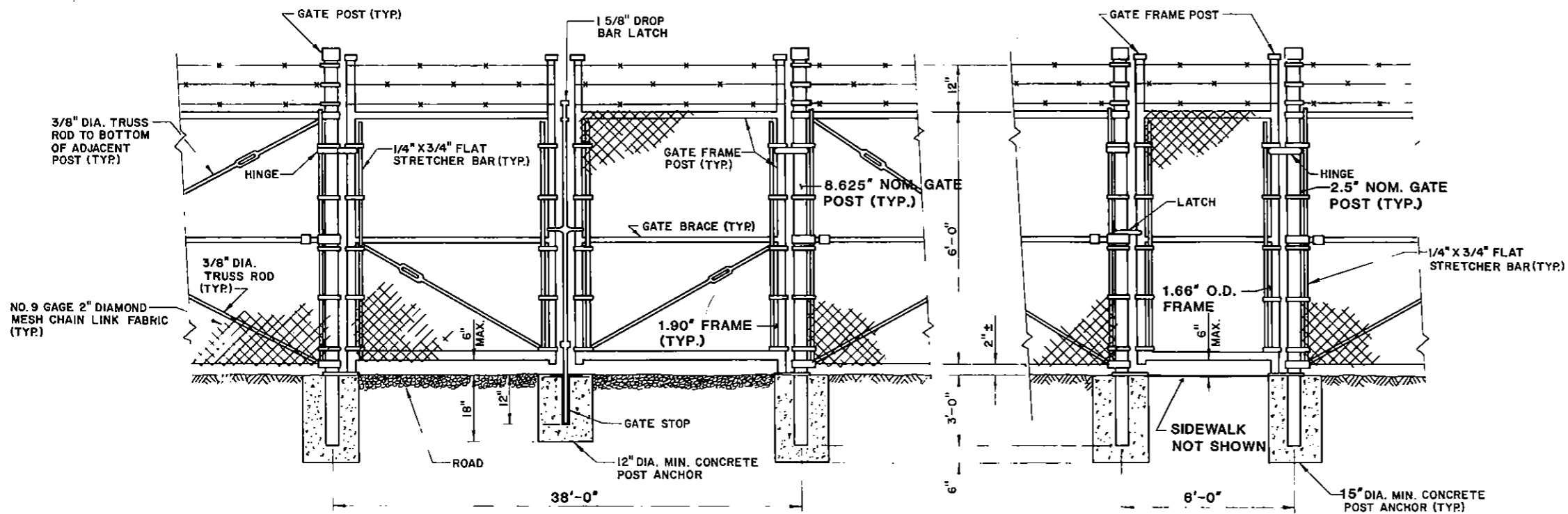
**FENCE PLAN**

67



**TYPICAL SECTION - CHAIN LINK FENCE**

SCALE: NONE



**TYPICAL DOUBLE INSWING GATE**

SCALE: NONE

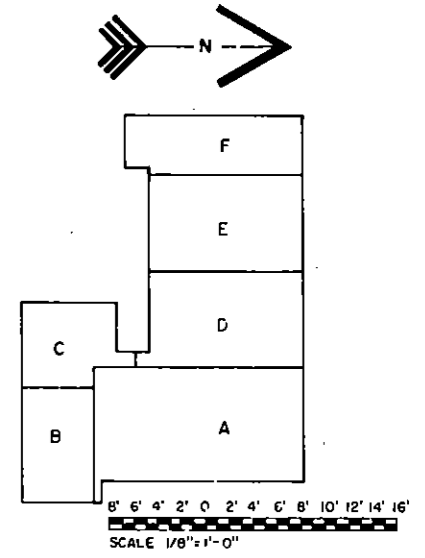
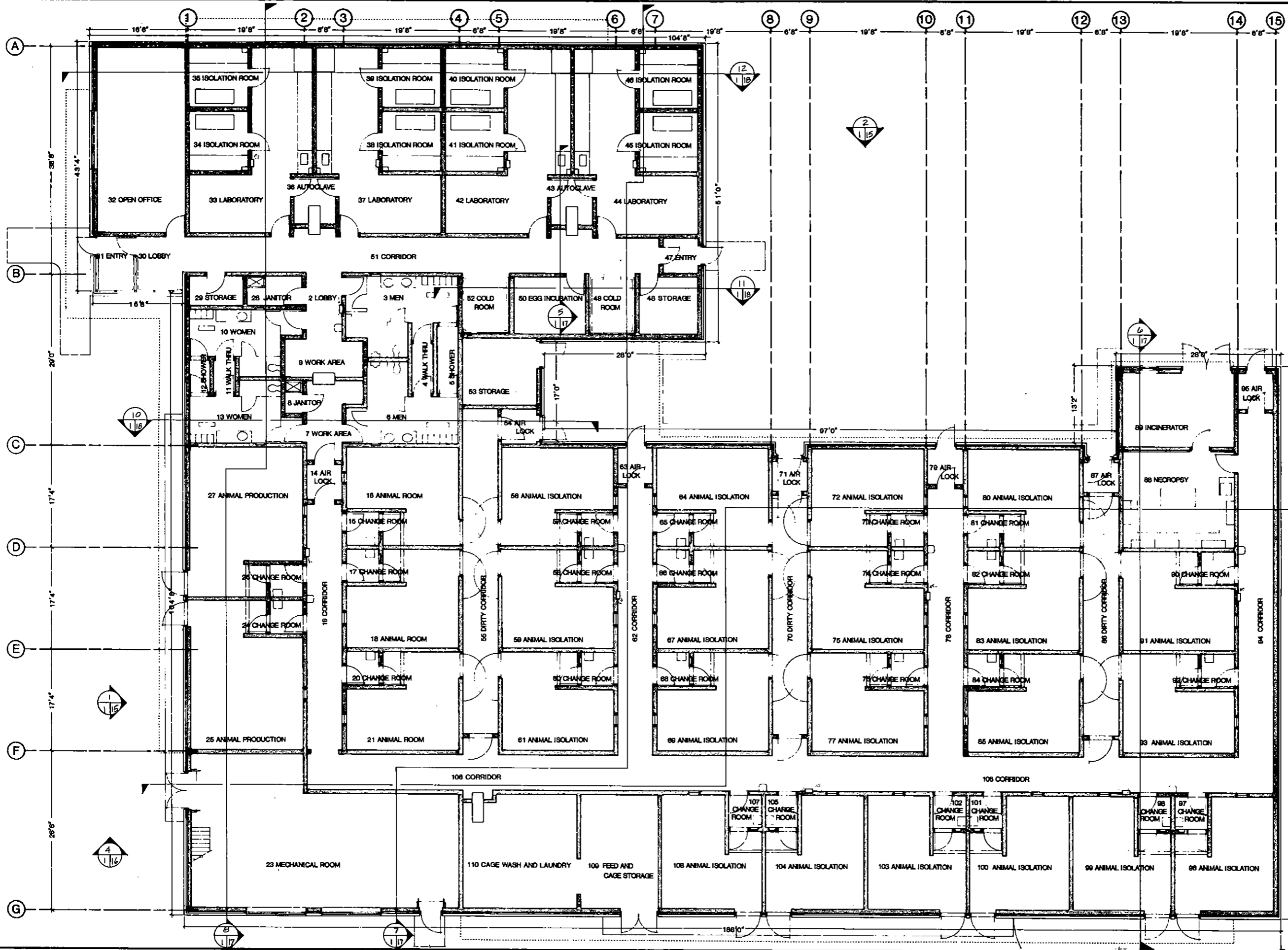
**TYPICAL PEDESTRIAN GATE**

SCALE: NONE

NOTE: ANIMAL PEN AREA - 7' HIGH CHAIN LINK FENCE WITH 4' WIDE IN-SWING GATE. WITHOUT BARB WIRE.

REVISION	STATUS	DATE	DESCRIPTION	BY
MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN				
FENCE AND GATE DETAILS				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	DEC	D.J.	J.V.R.	DEC-WI-927-357.0

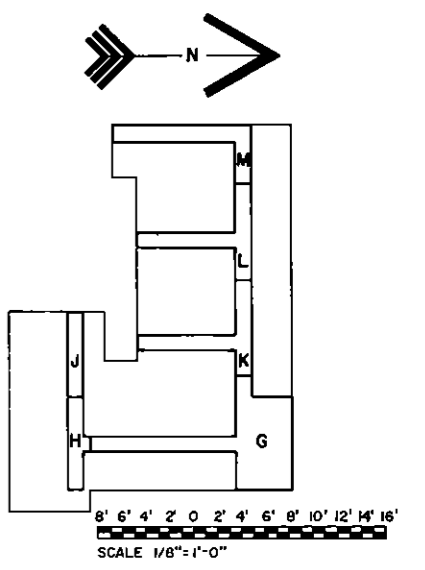
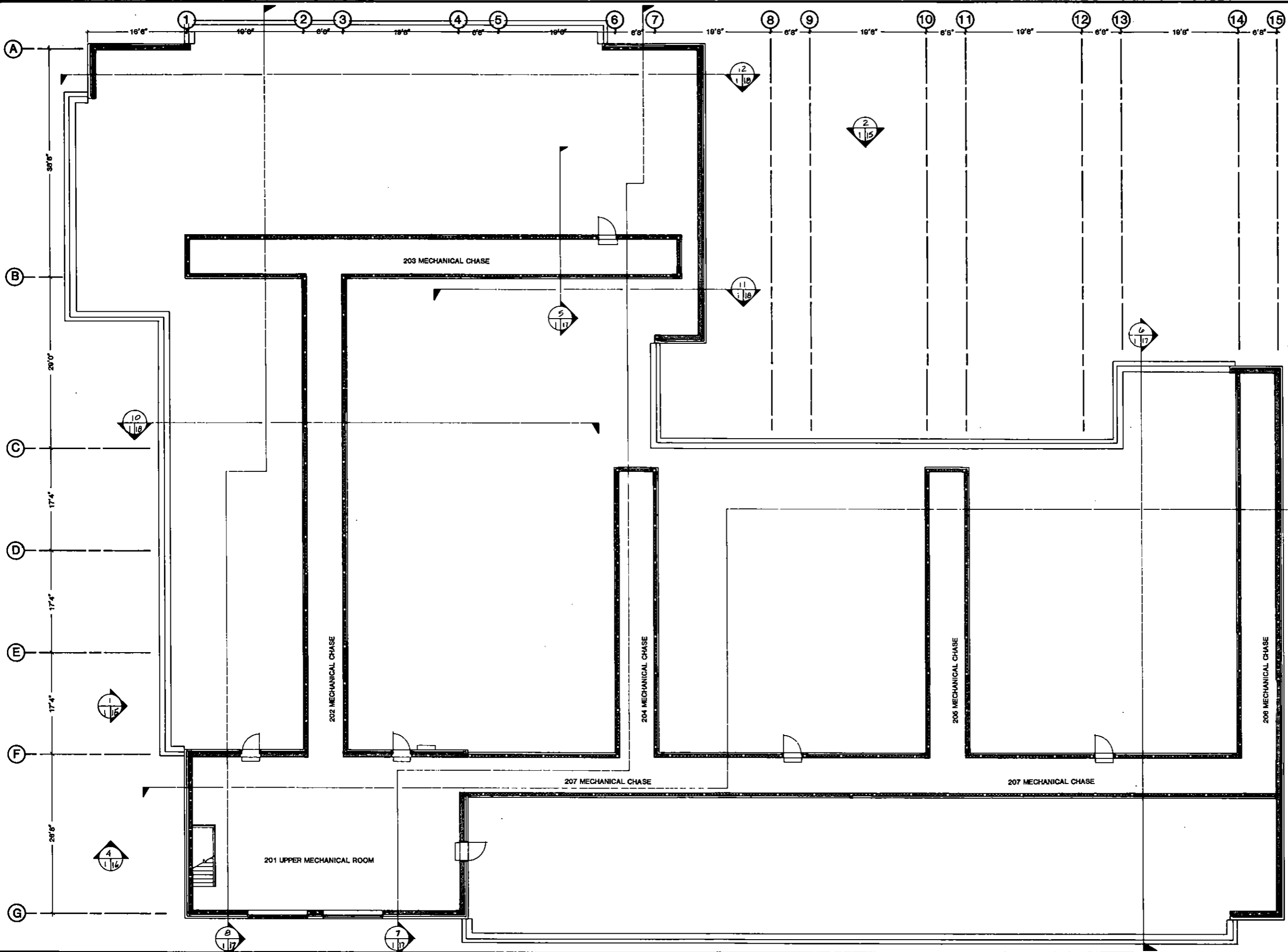
017



REVISION	STATUS	DATE	DESCRIPTION	BY

MADISON NATIONAL WILDLIFE  
 HEALTH LABORATORY  
 ANIMAL ISOLATION BUILDING  
 MADISON, WISCONSIN  
 DATE DESIGNED 7/84  
 CHECKED WBS  
 DRAWN WRA  
 DRAWING NO. DEC-WI-927-358.0

**A1**

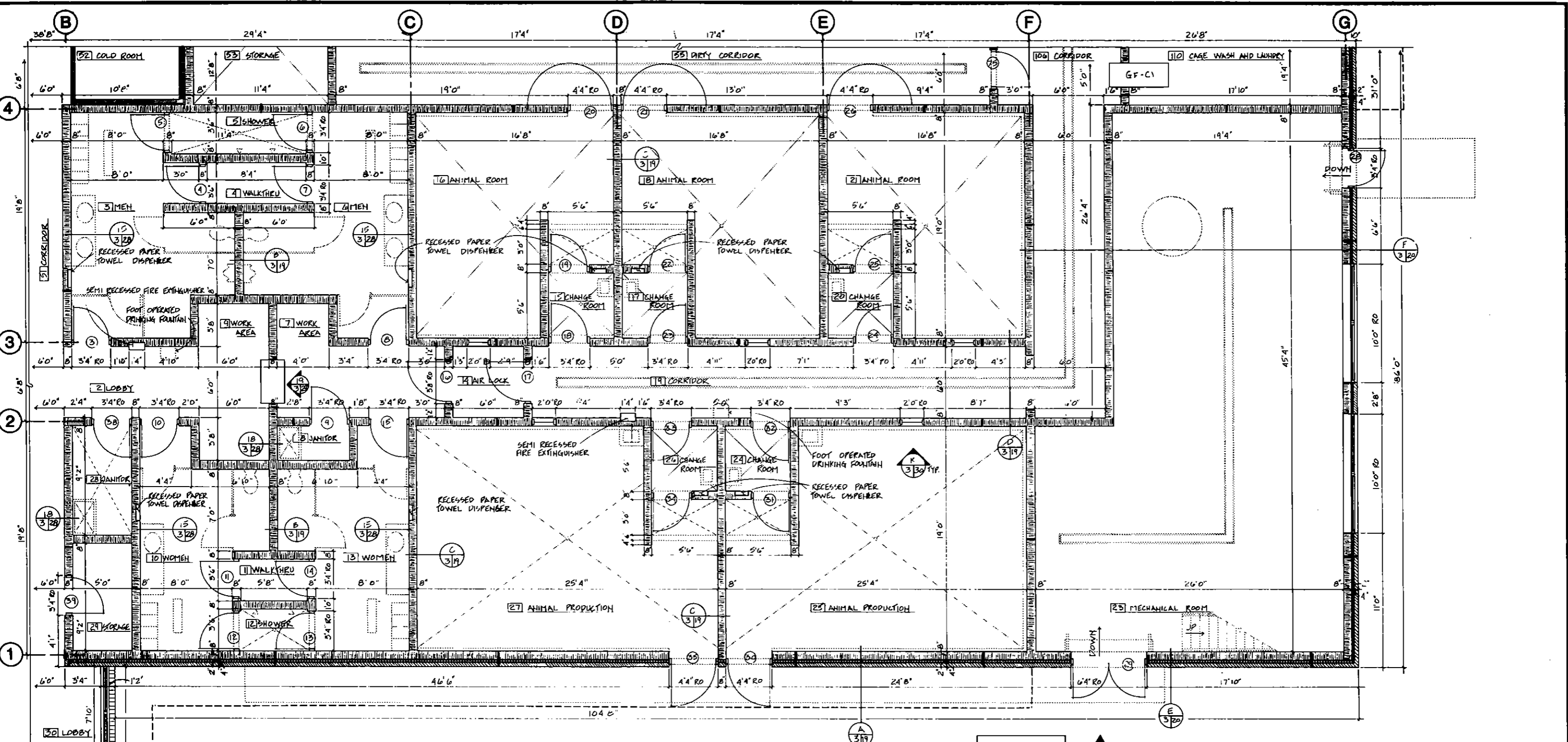


REVISION	STATUS	DATE	DESCRIPTION	BY

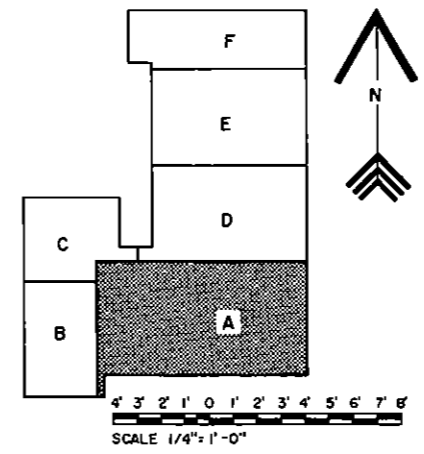
  

MADISON NATIONAL WILDLIFE		HEALTH LABORATORY		ANIMAL ISOLATION BUILDING		MADISON, WISCONSIN	
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.	WBS	WBS	DEC-WI-927-359.0
7/84	WBS	WRA	WBS				

**AR**



**FIRST FLOOR PLAN 'A'**  
SCALE 1/4"=1'-0"



MASONRY CONTROL JOINT

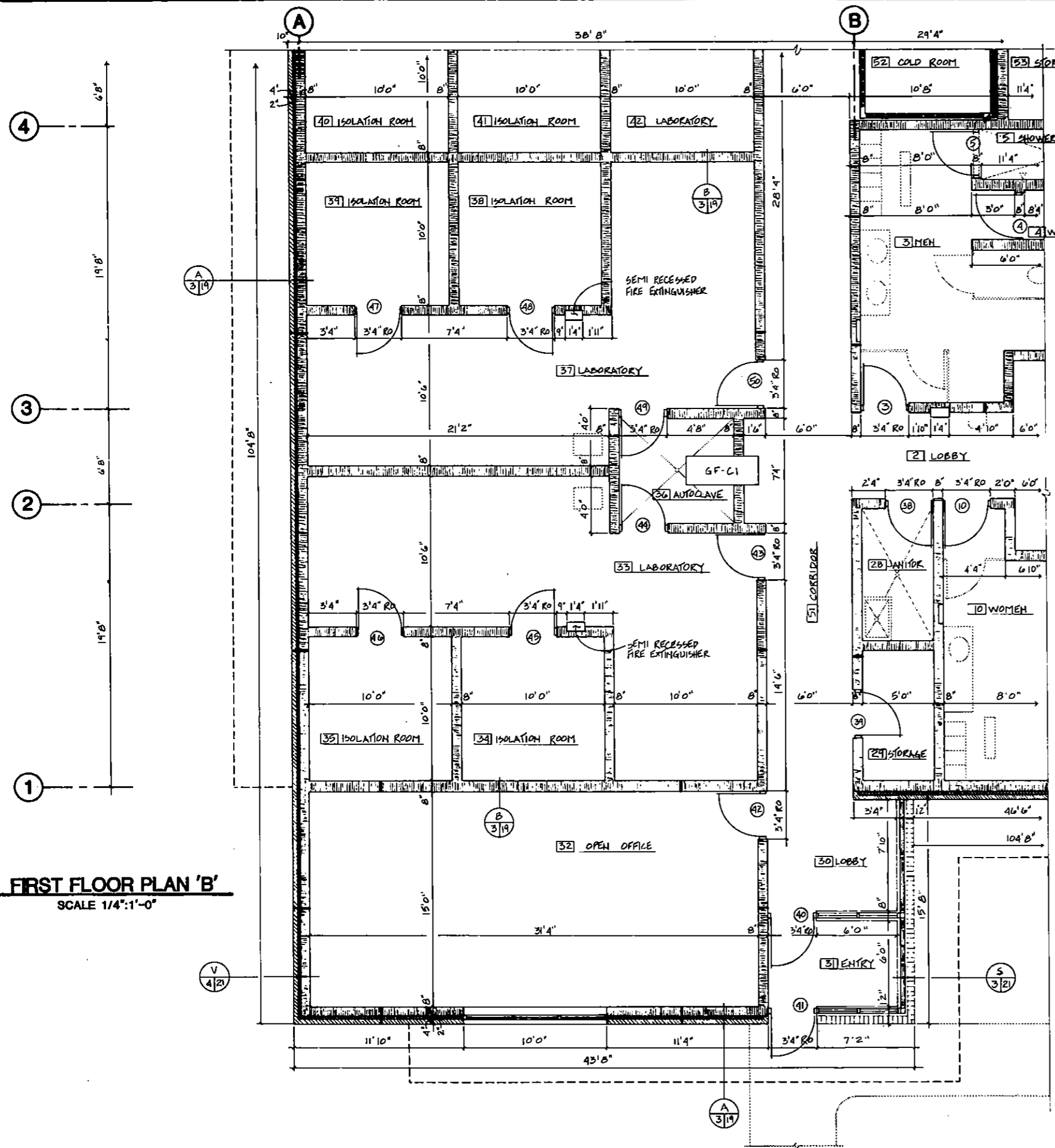
REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN**

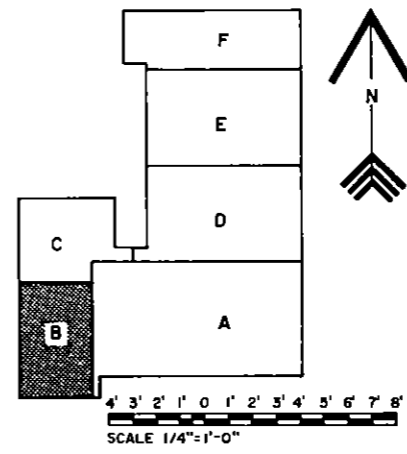
**FIRST FLOOR PLAN 'A'**

DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WBS	WRA	WBS	DEC-WI-927-360.0

**A3**

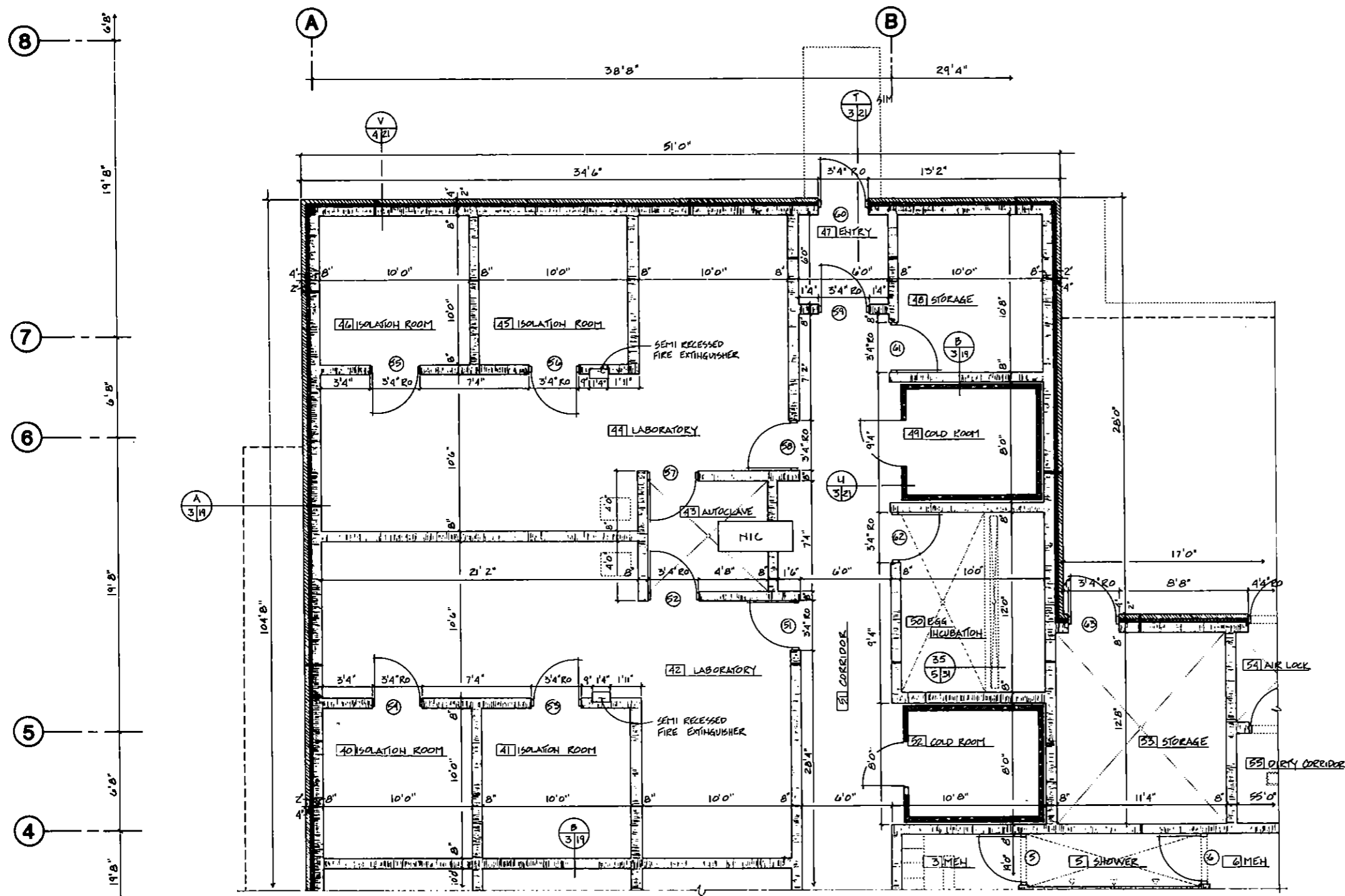


**FIRST FLOOR PLAN 'B'**  
SCALE 1/4"=1'-0"

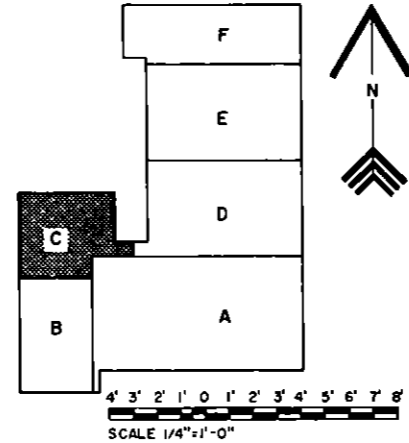


REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO
7/84	WBS	WRA	WBS	DEC-WI-927-361.0

**A4**



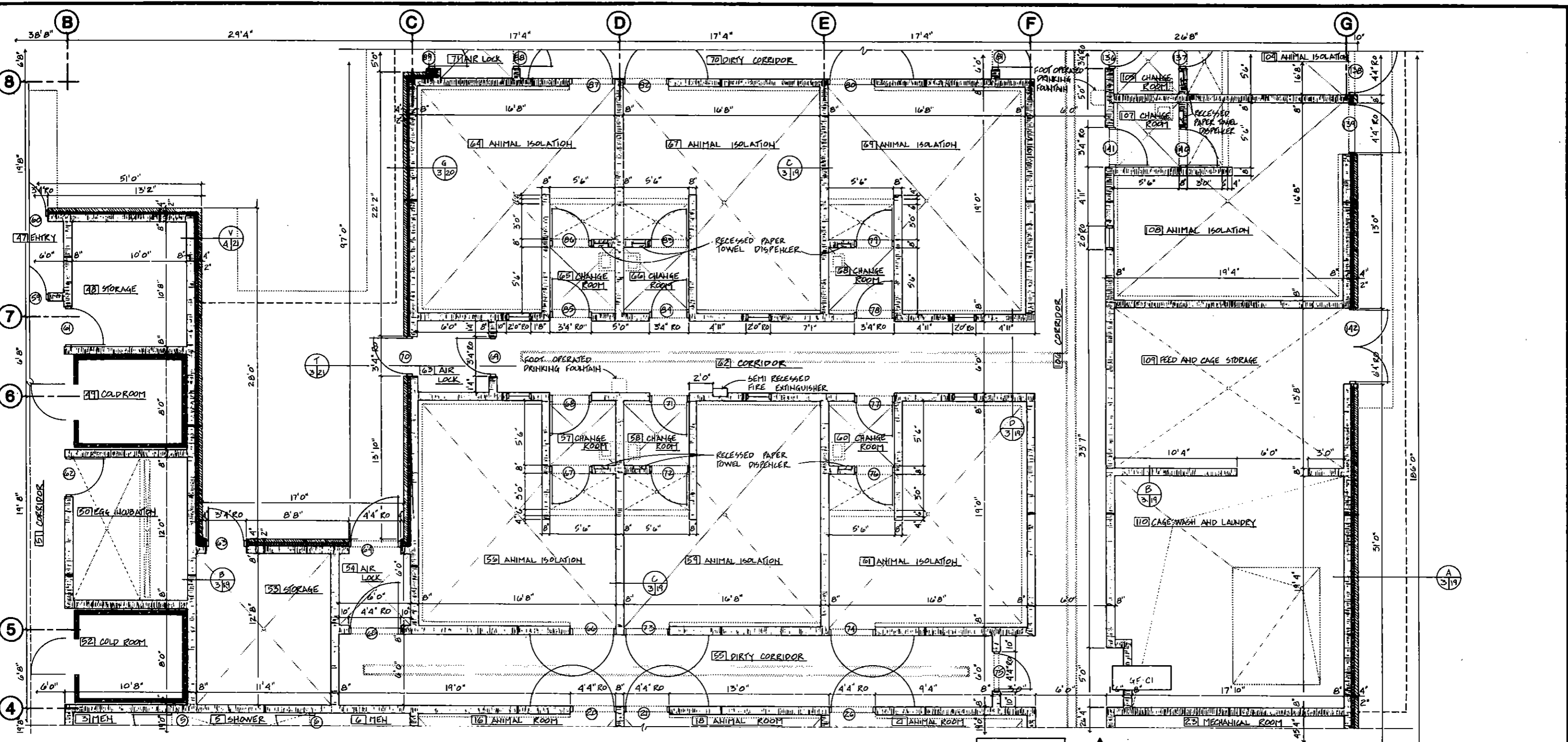
**FIRST FLOOR PLAN 'C'**  
SCALE 1/4"=1'-0"



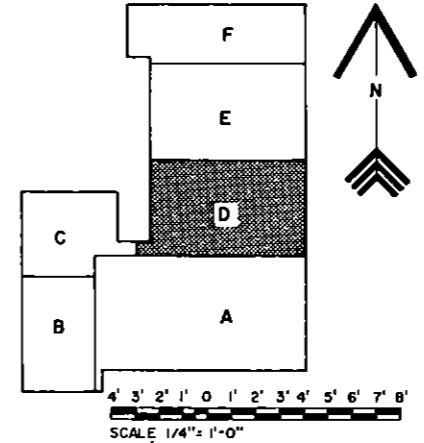
MASONRY CONTROL JOINT

REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				
<b>FIRST FLOOR PLAN 'C'</b>			<b>DEC-WI-927-362.0</b>	
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WBS	WRA	WBS	DEC-WI-927-362.0

**A5**



**FIRST FLOOR PLAN 'D'**  
SCALE 1/4"=1'-0"



MASONRY CONTROL JOINT

REVISION	STATUS	DATE	DESCRIPTION	BY

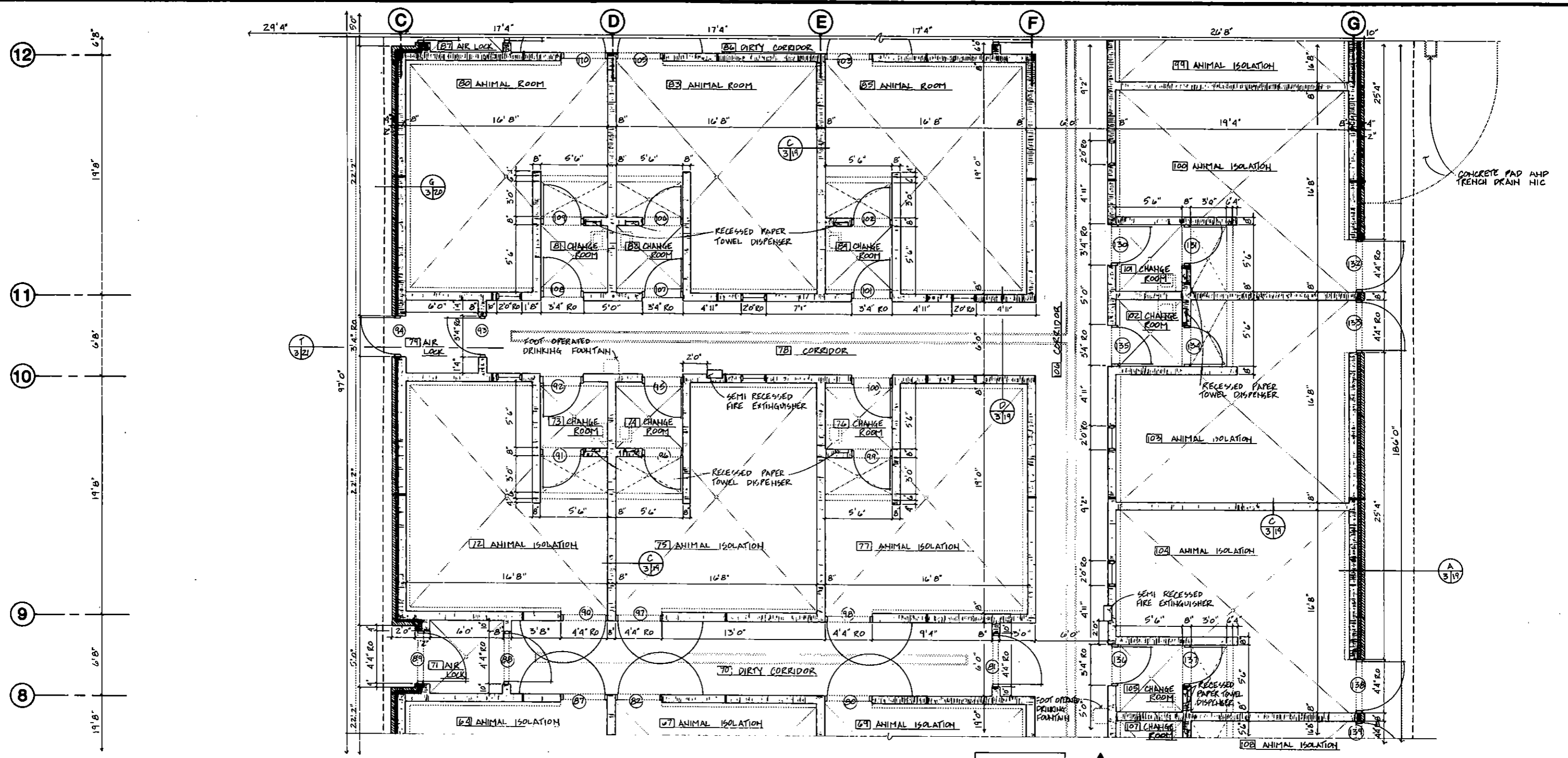
**MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN**

**FIRST FLOOR PLAN 'D'**

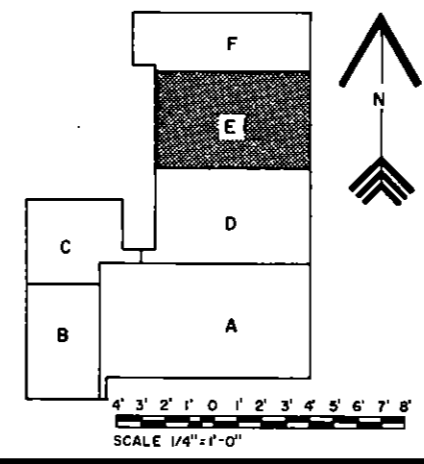
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WBS	WRA	WBS	DEC-WI-927-363_0

**AG**





**FIRST FLOOR PLAN 'E'**  
SCALE 1/4"=1'-0"



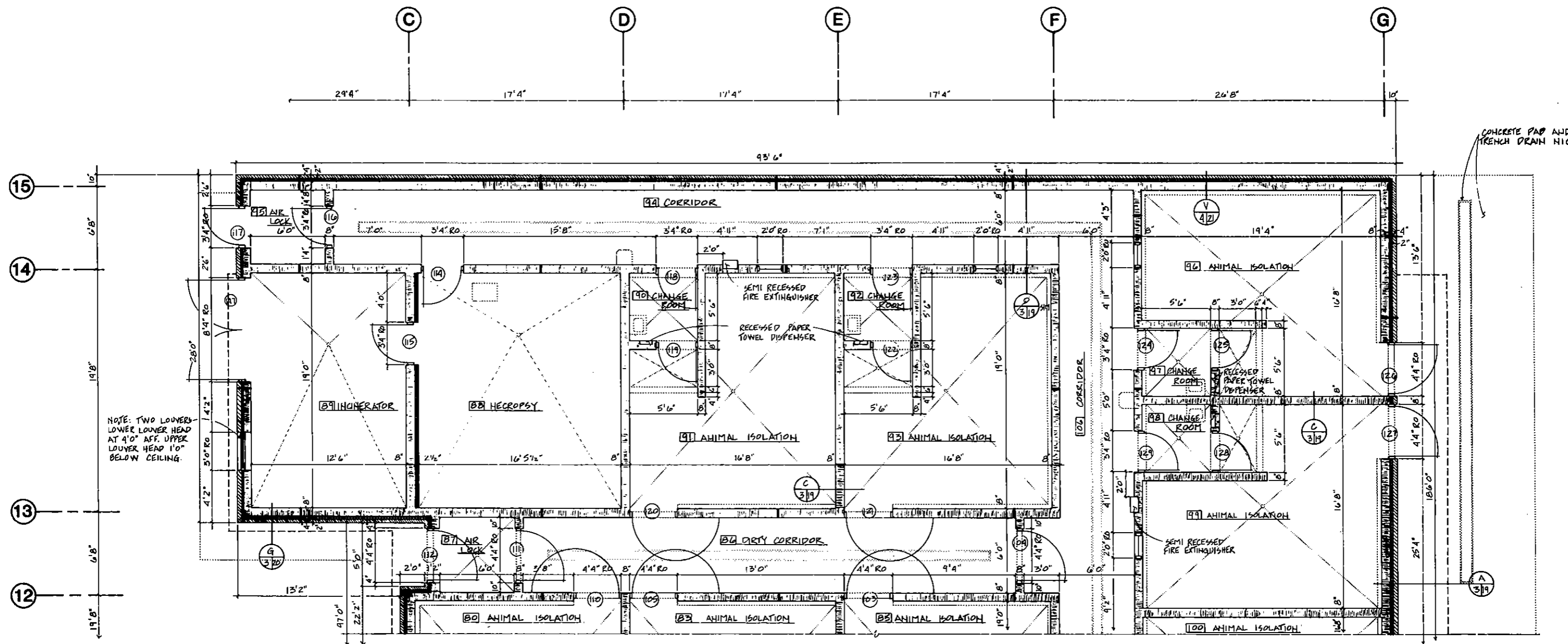
MASONRY CONTROL JOINT

REVISION	STATUS	DATE	DESCRIPTION	BY

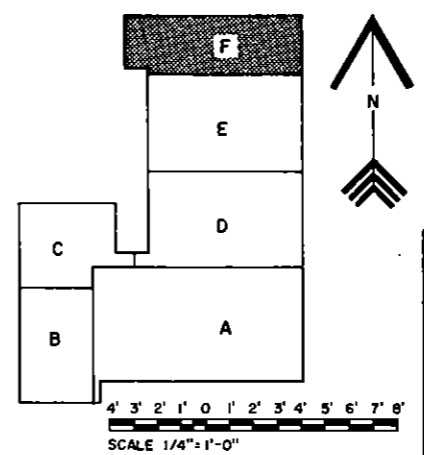
**MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING. FIRST FLOOR PLAN 'E'**  
**MADISON, WISCONSIN**

DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WBS	WRA	WBS	DEC-WI-927-364.0

**A7**



**FIRST FLOOR PLAN 'F'**  
SCALE 1/4"=1'-0"



REVISION	STATUS	DATE	DESCRIPTION	BY

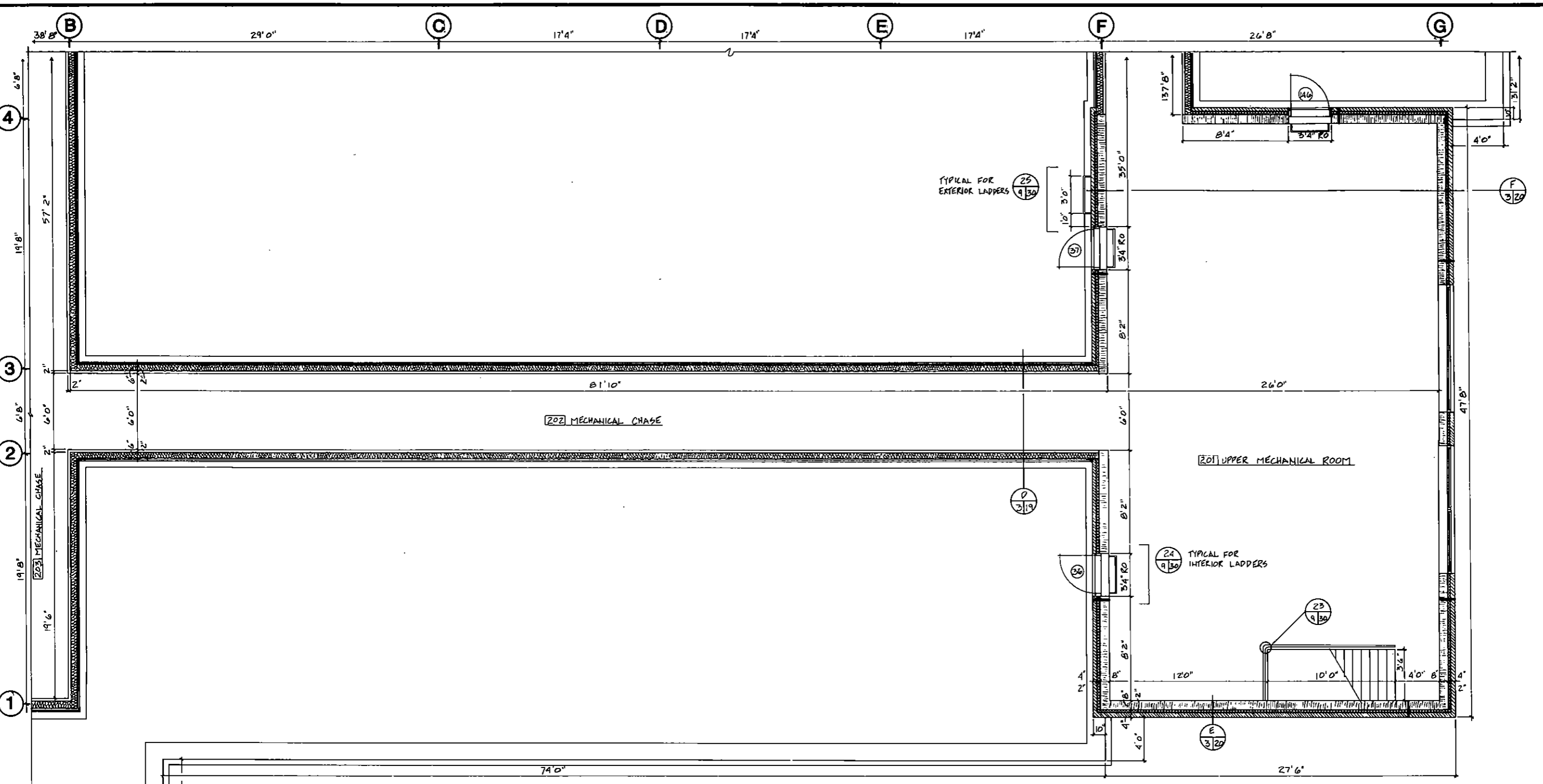
**MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING**

**FIRST FLOOR PLAN 'F'**

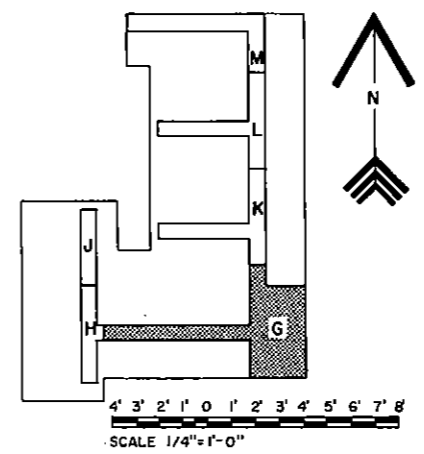
MADISON, WISCONSIN

DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WBS	WRA	WBS	DEC-WI-927-365 0

**A 8**



**SECOND FLOOR PLAN 'G'**  
SCALE 1/4"=1'-0"



NOTE: ROOF DIMENSIONS ARE TO THE EDGE OF ROOF PLANKS.

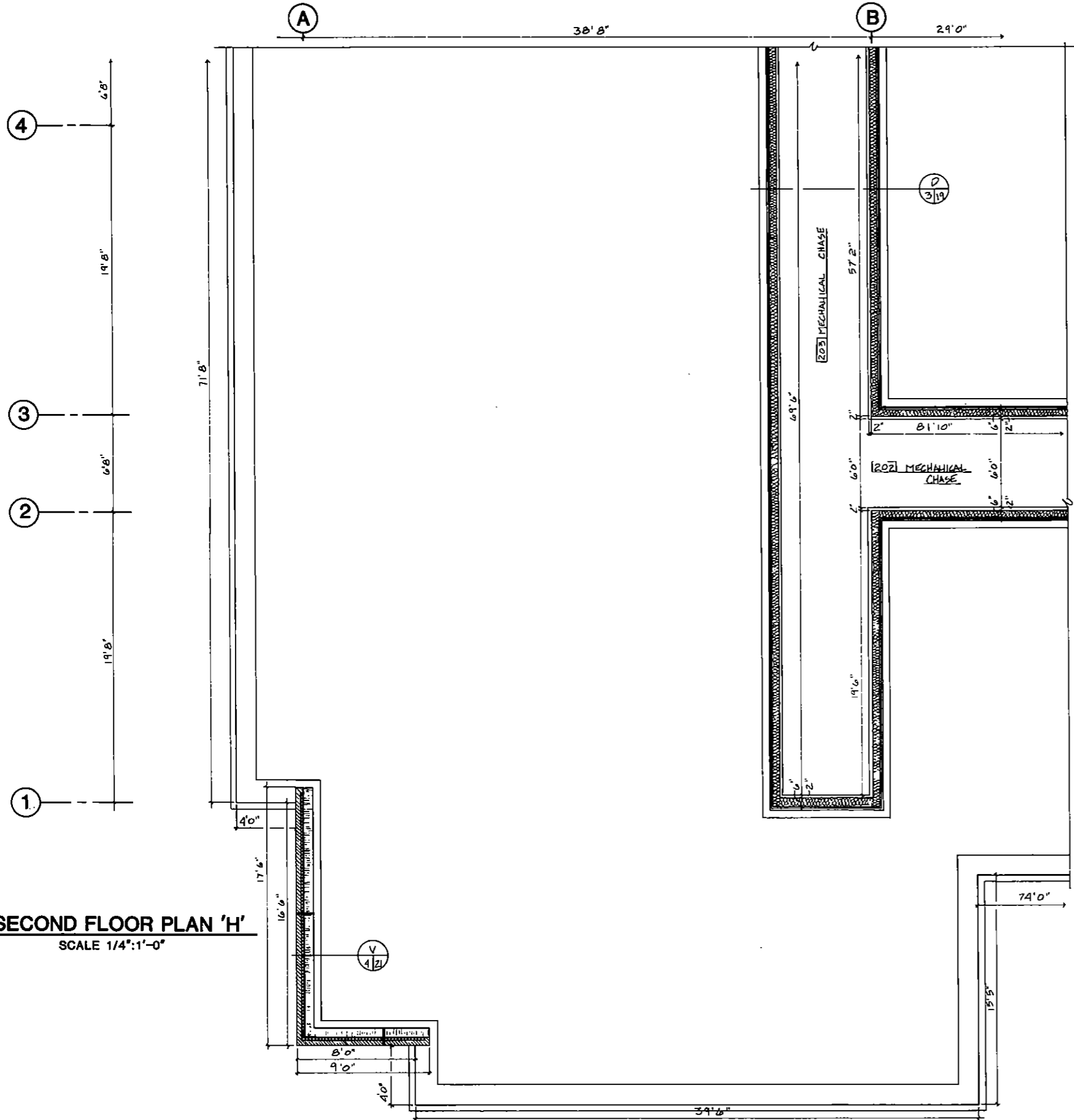
REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING, MADISON, WISCONSIN**

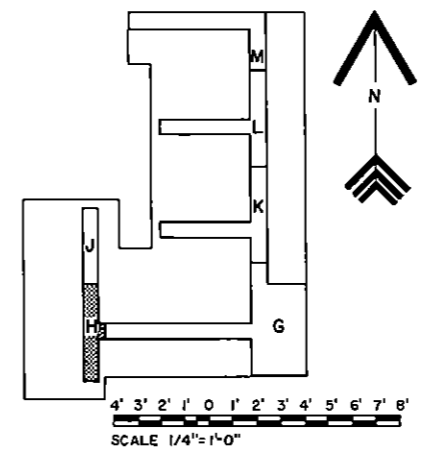
**SECOND FLOOR PLAN 'G'**

DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WBS	WRA	WBS	DEC-WI-927-368.0

**AS**



**SECOND FLOOR PLAN 'H'**  
SCALE 1/4"=1'-0"



NOTE: ROOF DIMENSIONS ARE TO THE  
EDGE OF ROOF PLANKS.

MASONRY CONTROL JOINT

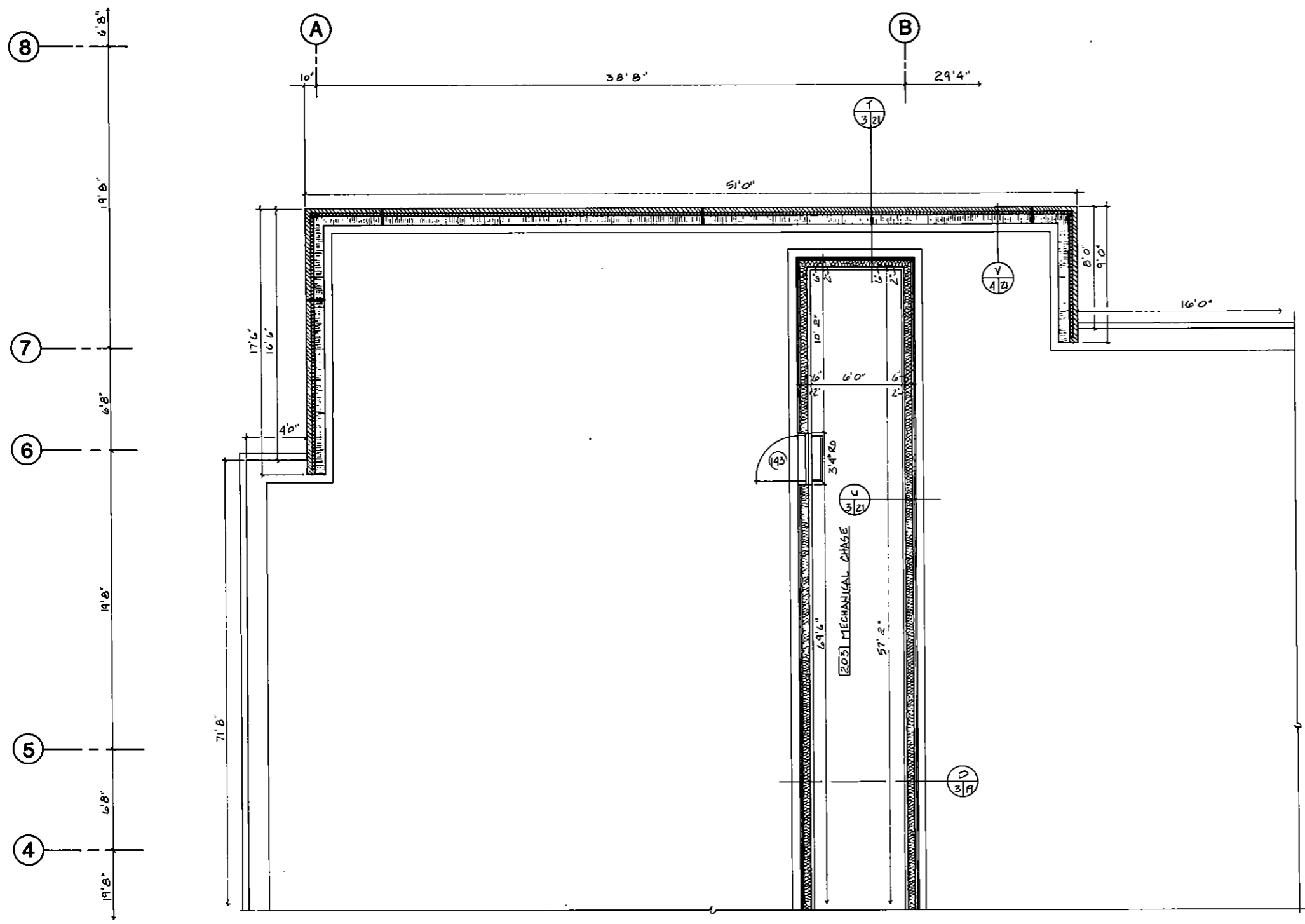
REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE  
HEALTH LABORATORY  
ANIMAL ISOLATION BUILDING  
MADISON, WISCONSIN**

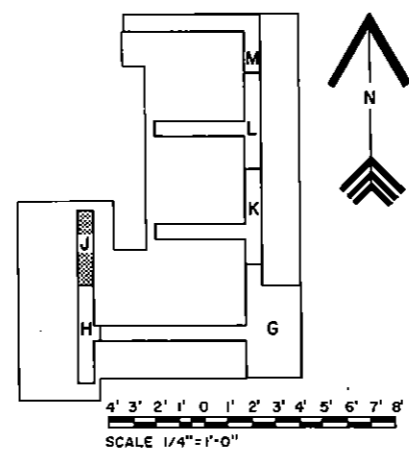
**SECOND FLOOR PLAN 'H'**

DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WBS	WRA	WBS	DEC-WI-927-367.0

**A10**



**SECOND FLOOR PLAN 'J'**  
SCALE 1/4"=1'-0"

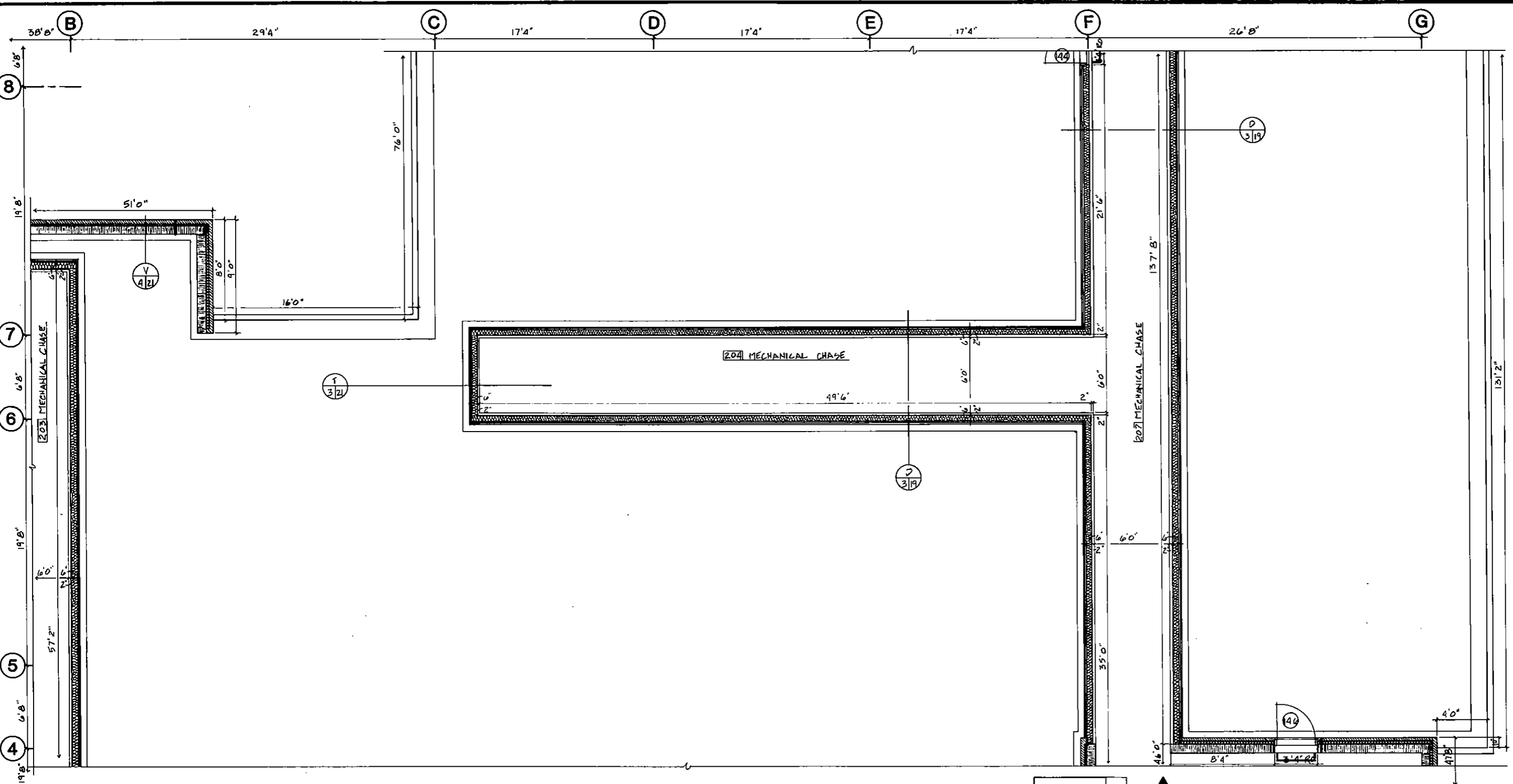


NOTE: ROOF DIMENSIONS ARE TO THE EDGE OF ROOF PLANKS.

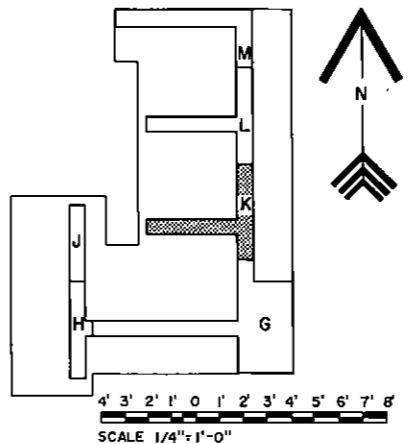
MASONRY CONTROL JOINT

REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				<b>SECOND FLOOR PLAN 'J'</b>
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WBS	WRA	WBS	DEC-WI-927-368.0

**A11**



**SECOND FLOOR PLAN 'K'**  
SCALE 1/4"=1'-0"



MASONRY CONTROL JOINT

NOTE: ROOF DIMENSIONS ARE TO THE EDGE OF ROOF PLANK.

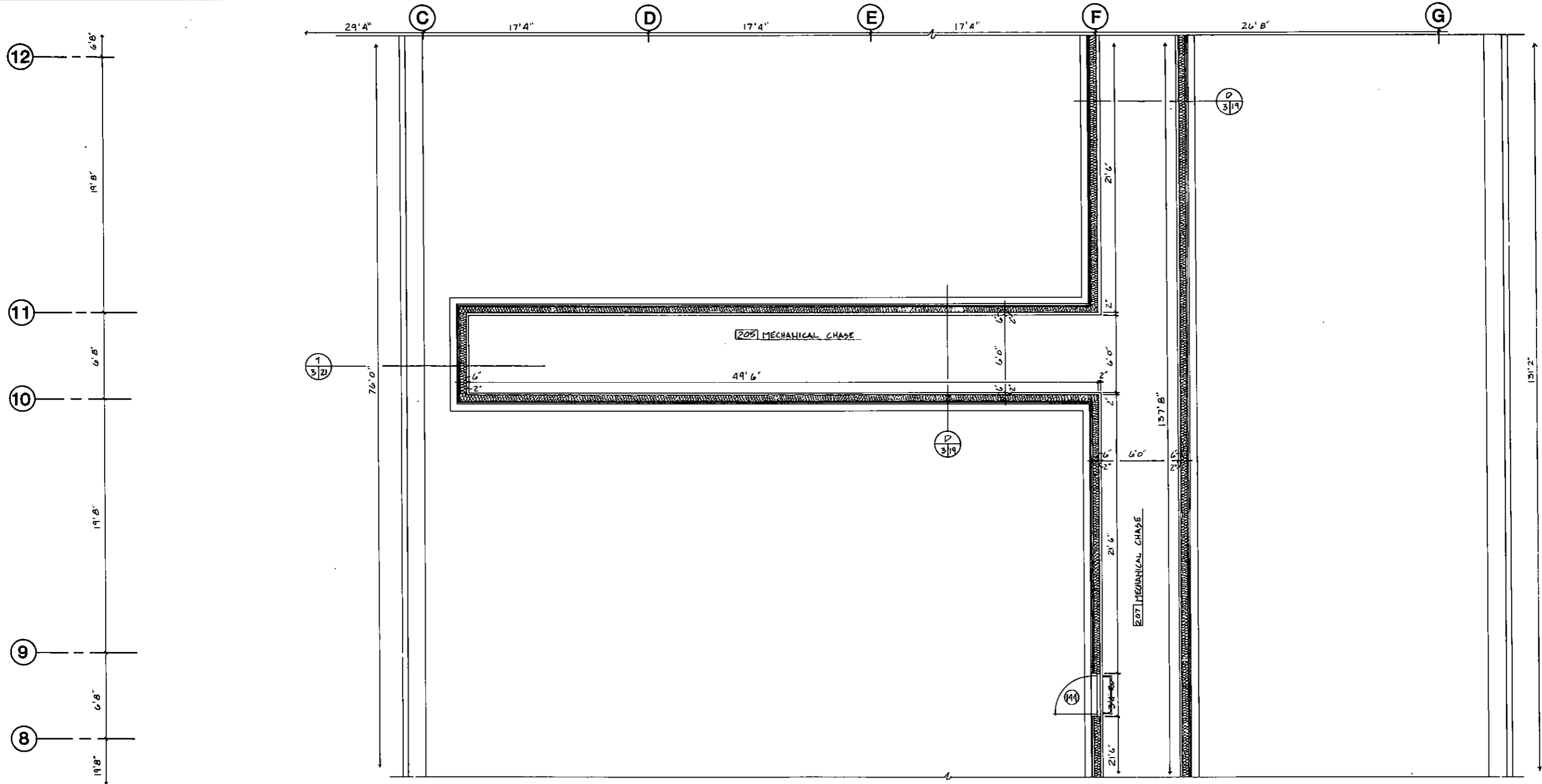
REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN**

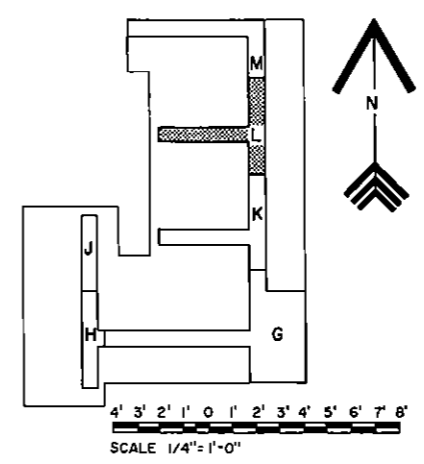
**SECOND FLOOR PLAN 'K'**

DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WBS	WRA	WBS	DEC-WI-927-369.0

**A12**



**SECOND FLOOR PLAN 'L'**  
SCALE 1/4"=1'-0"



NOTE: ROOF DIMENSION ARE TO THE EDGE OF ROOF PLANK.

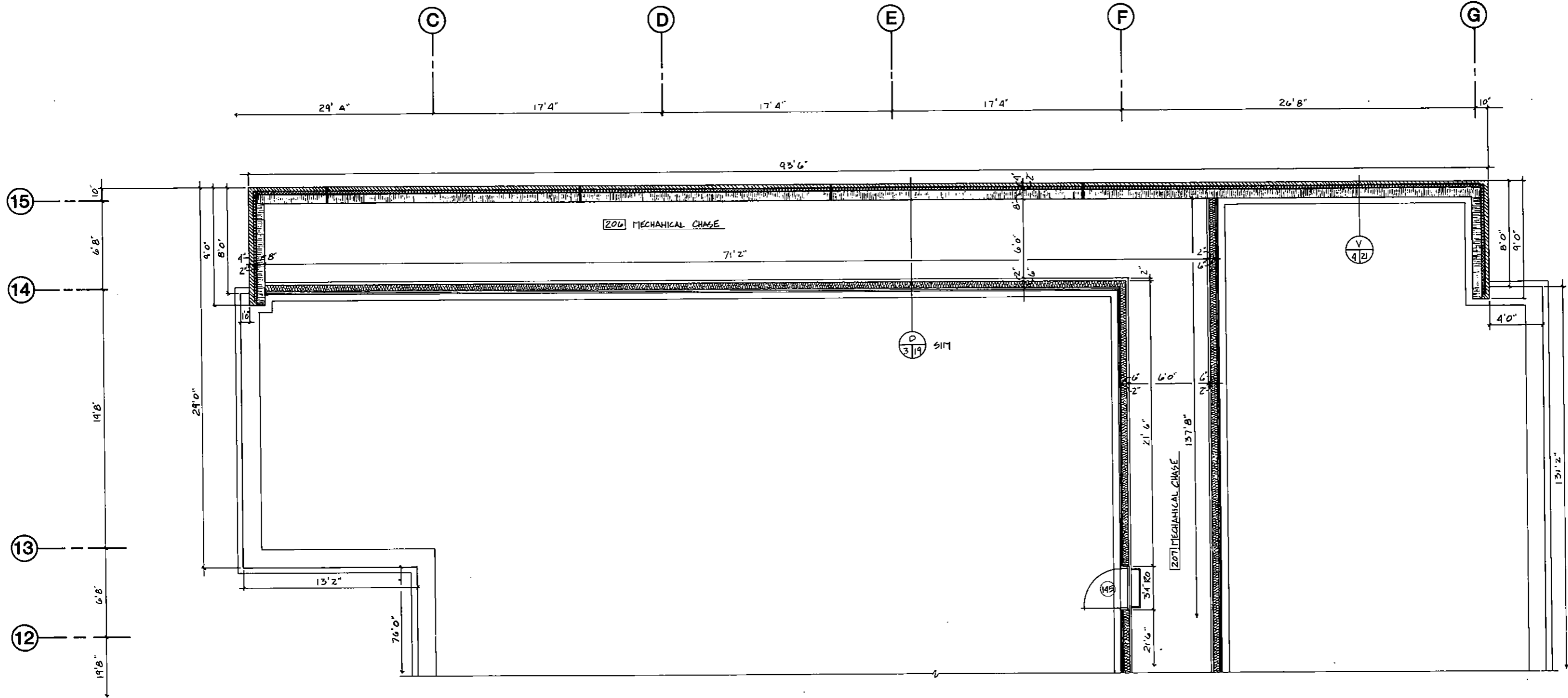
REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN**

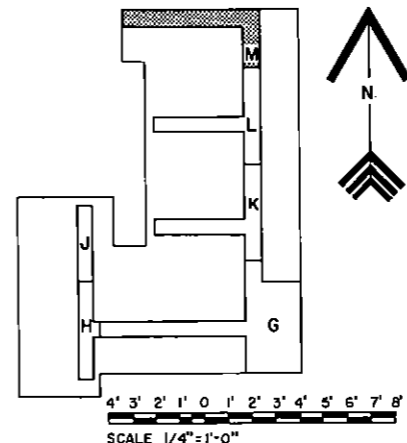
**SECOND FLOOR PLAN 'L'**

DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WBS	WRA	WBS	DEC-WI-927-370.0

**A13**



**SECOND FLOOR PLAN 'M'**  
SCALE 1/4"=1'-0"



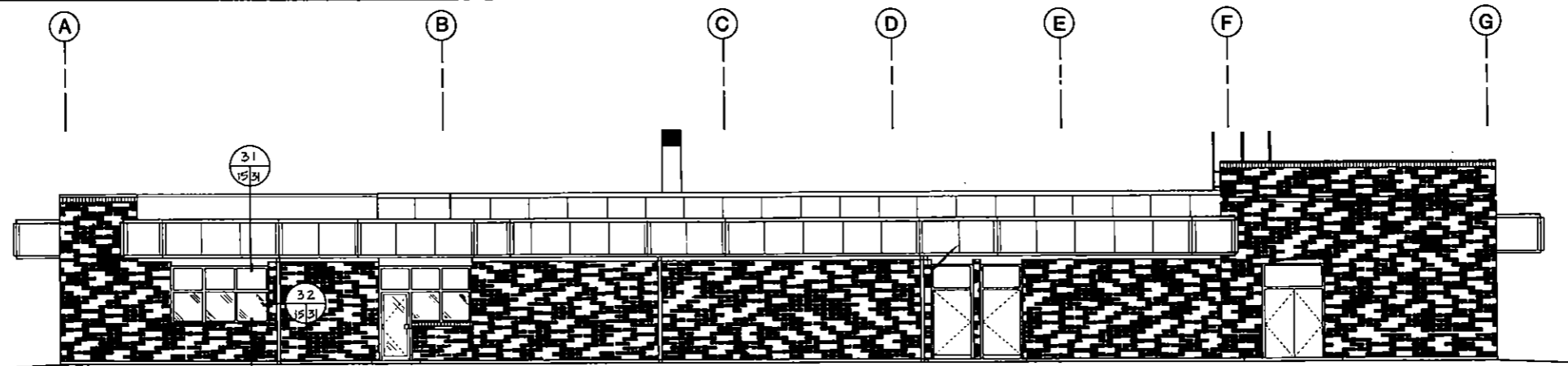
MASONRY CONTROL JOINT

NOTE: ROOF DIMENSIONS ARE TO THE EDGE OF ROOF PLANKS.

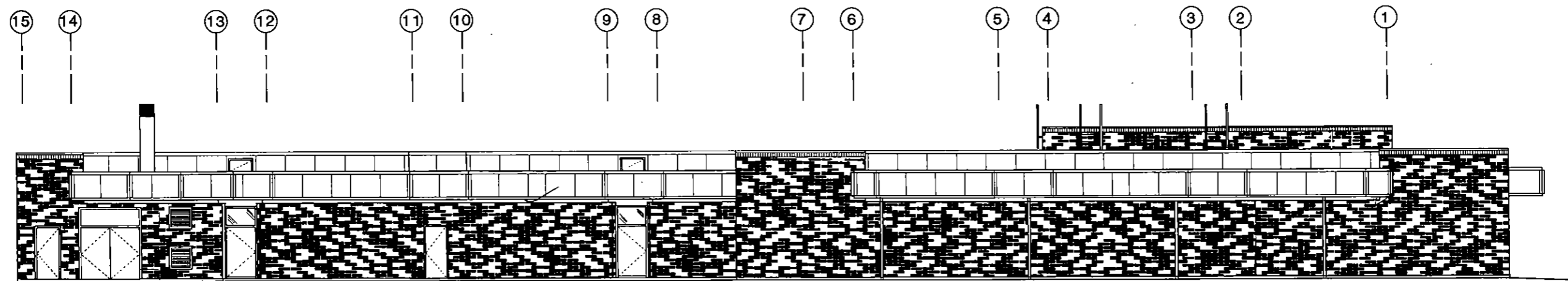
REVISION	STATUS	DATE	DESCRIPTION	BY
MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN				
			<b>SECOND FLOOR PLAN 'M'</b>	
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WBS	WRA	WBS	DEC-WI-927-371.0

**A14**

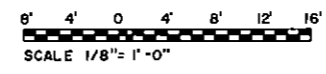




**1** SOUTH ELEVATION  
SCALE: 1/8"=1'-0"

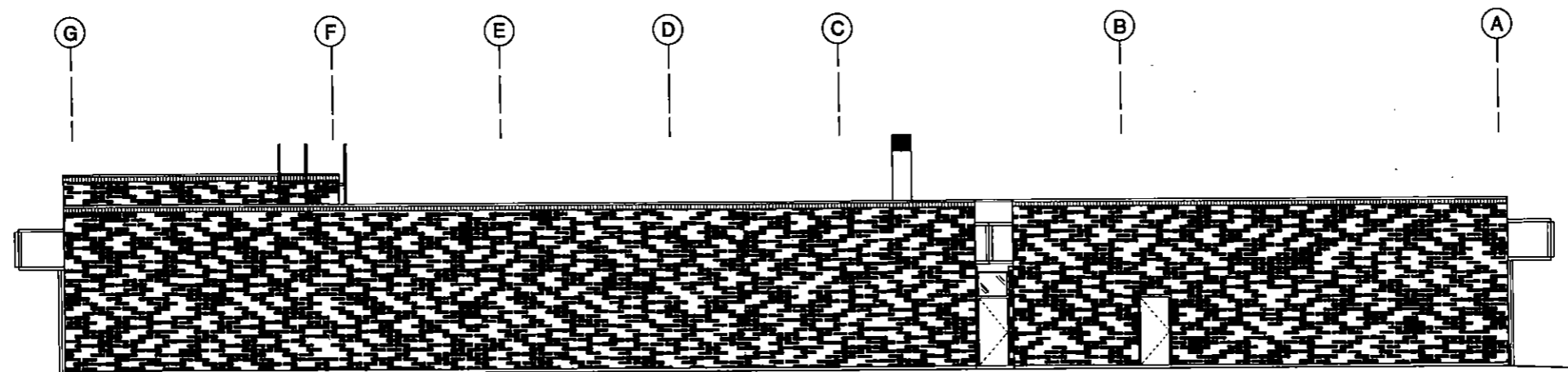


**2** WEST ELEVATION  
SCALE: 1/8"=1'-0"

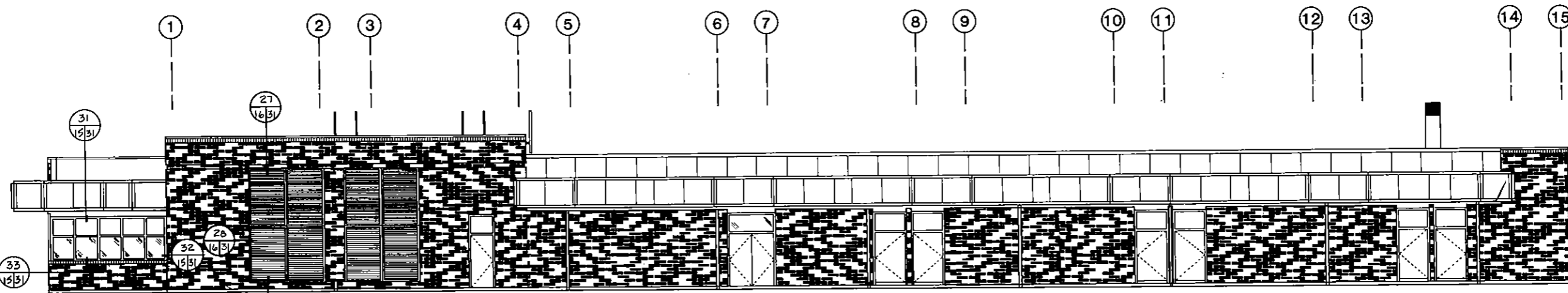


REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				<b>BUILDING ELEVATIONS</b>
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WBS	WRA	WBS	DEC-WI-927-372.0

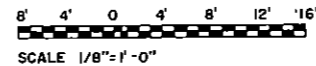
**A15**



**3** NORTH ELEVATION  
SCALE: 1/8"=1'-0"



**4** EAST ELEVATION  
SCALE: 1/8"=1'-0"



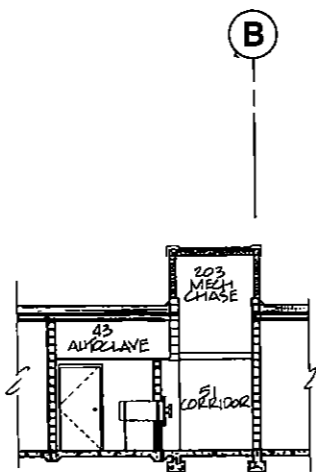
REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY  
ANIMAL ISOLATION BUILDING,  
MADISON, WISCONSIN**

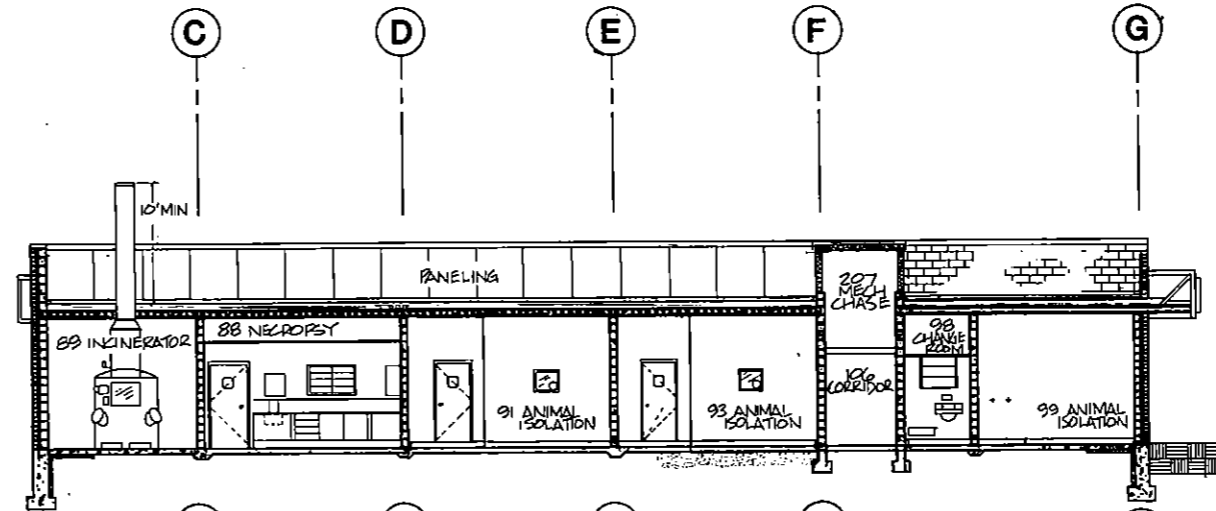
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WBS	WRA	WBS	DEC-WI-927-373.0

**A16**

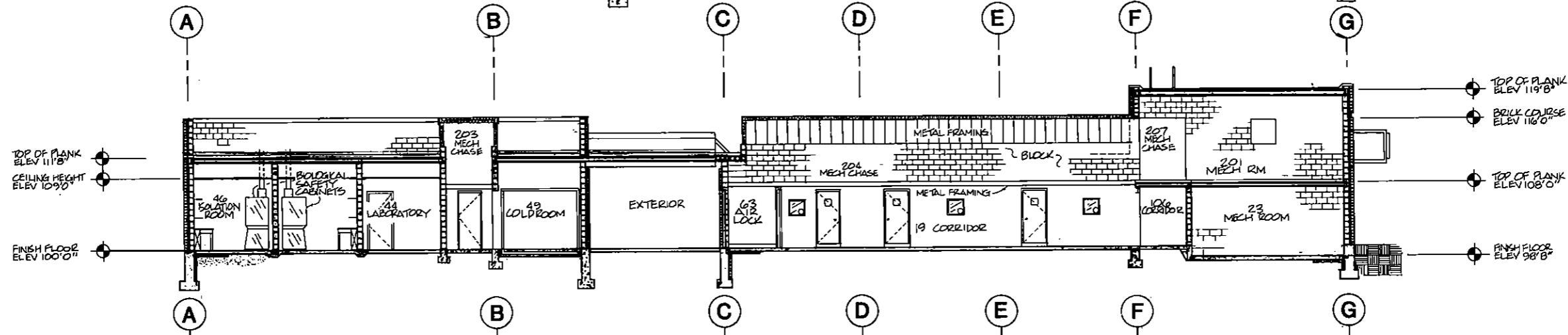
**5 BUILDING SECTION**  
SCALE 1/8":1'-0"



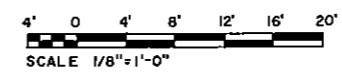
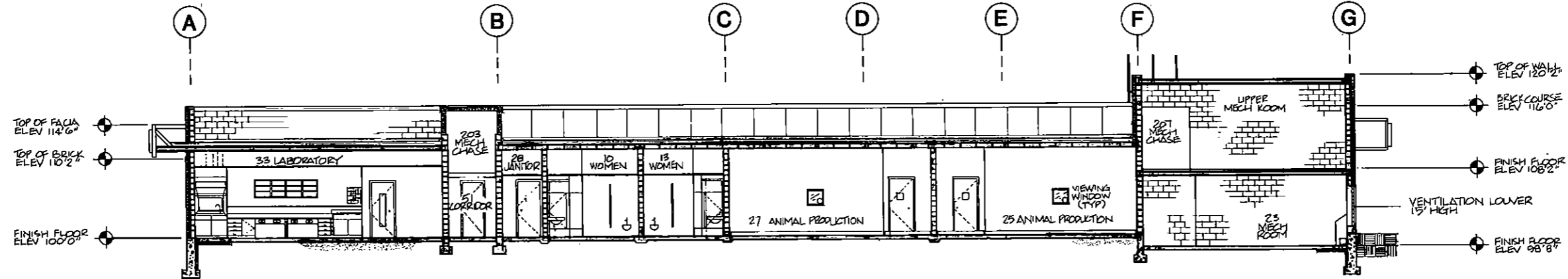
**6 BUILDING SECTION**  
SCALE 1/8":1'-0"



**7 BUILDING SECTION**  
SCALE 1/8":1'-0"

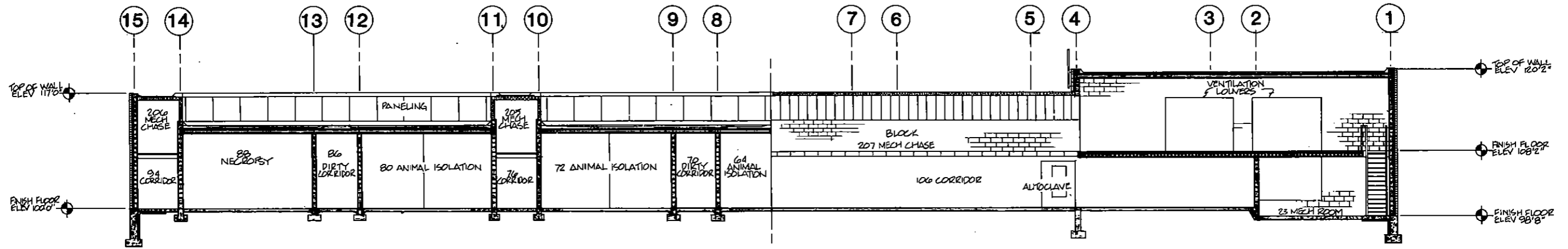


**8 BUILDING SECTION**  
SCALE 1/8":1'-0"

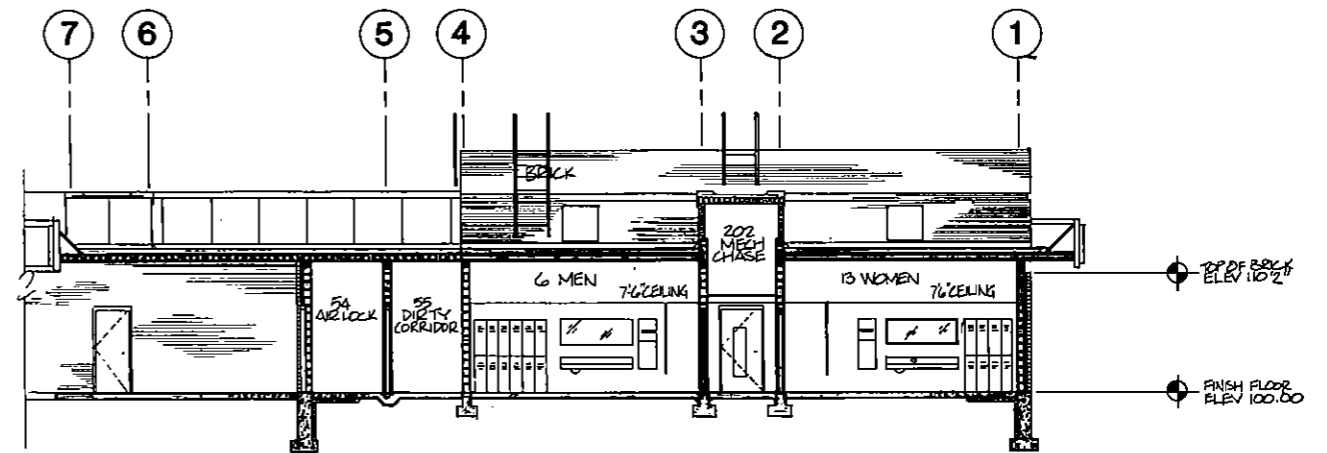


REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WBS	DDB		DEC-WI-927-374.0

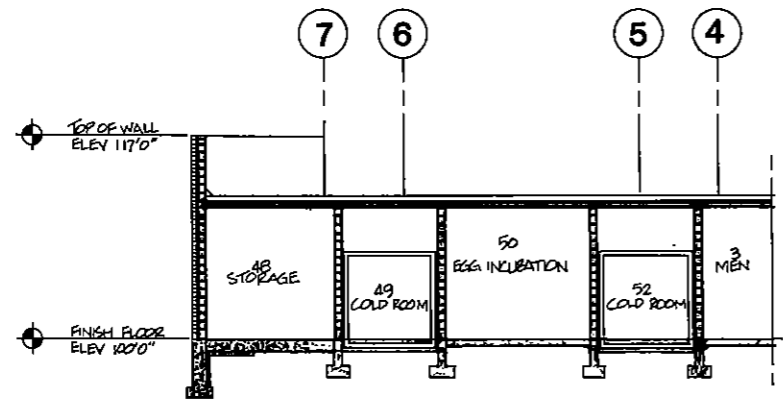
**A17**



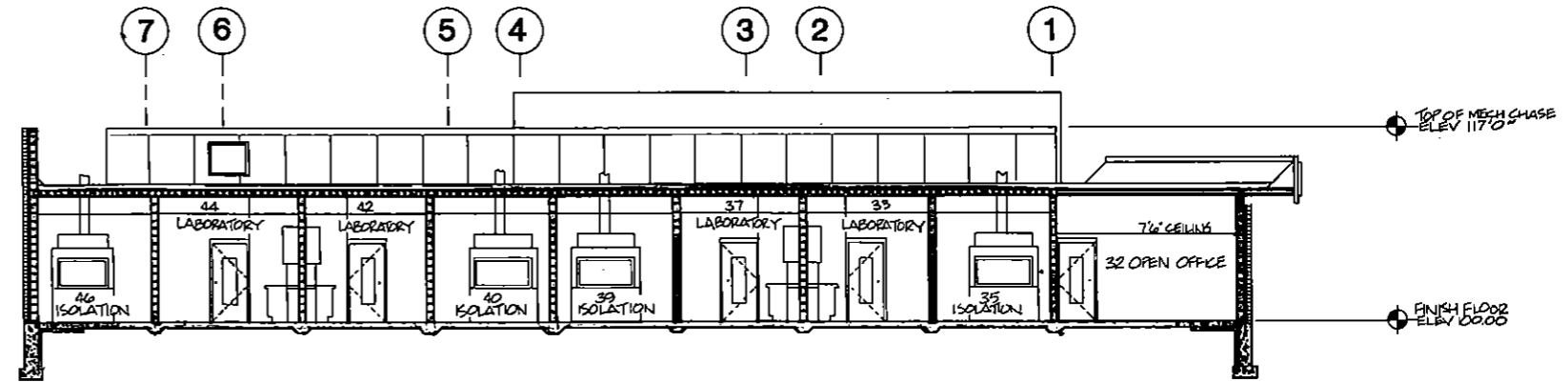
**9 BUILDING SECTION**  
SCALE 1/8":1'-0"



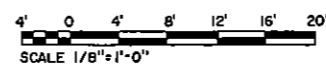
**10 BUILDING SECTION**  
SCALE 1/8":1'-0"



**11 BUILDING SECTION**  
SCALE 1/8":1'-0"

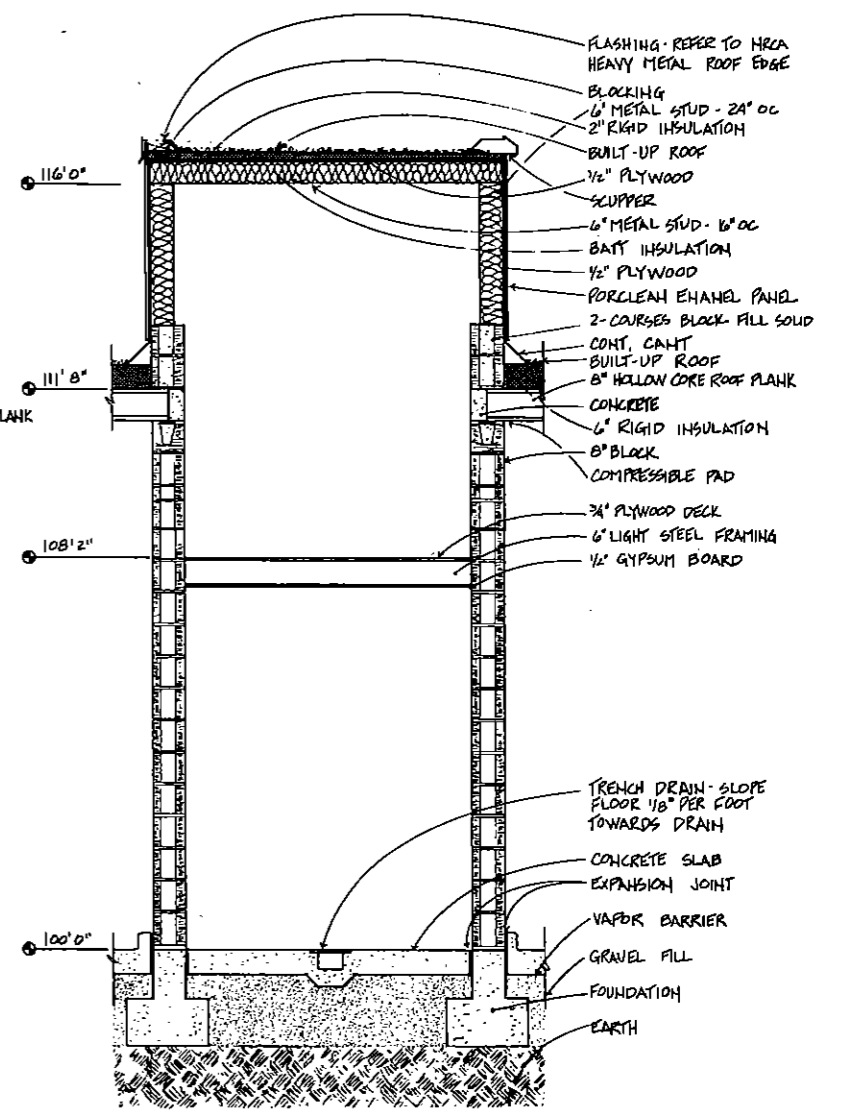
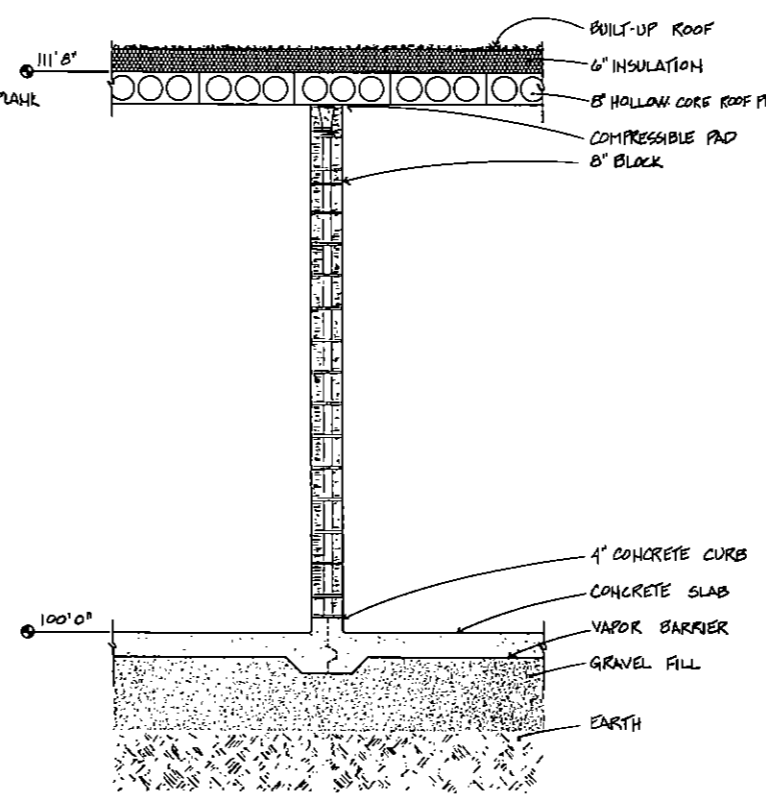
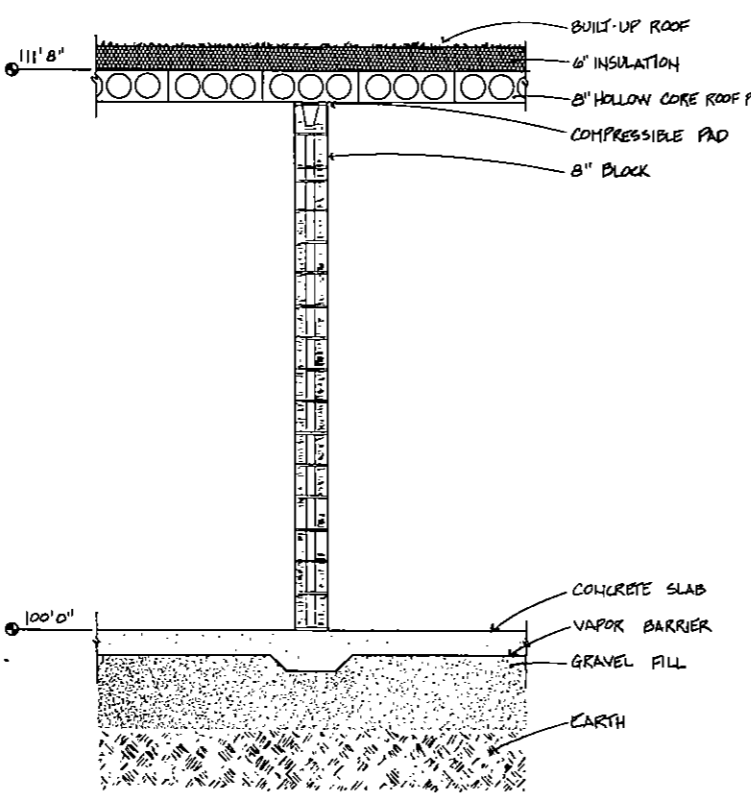
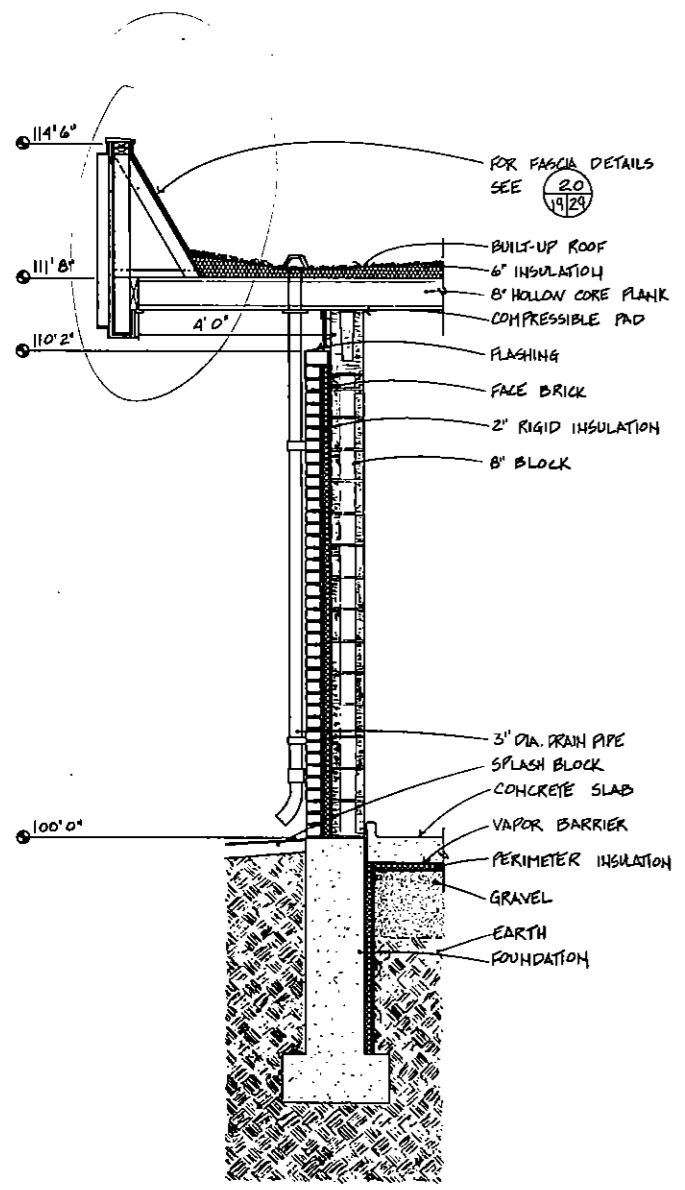


**12 BUILDING SECTION**  
SCALE 1/8":1'-0"



REVISION	STATUS	DATE	DESCRIPTION	BY
MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING, MADISON, WISCONSIN				
DATE 7/84			DESIGNED WBS	DRAWN DOB
			CHECKED	DRAWING NO. DEC-WI-927-375.0

**A18**

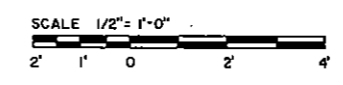


**A** WALL SECTION  
SCALE 1/2"=1'-0"

**B** WALL SECTION  
SCALE 1/2"=1'-0"

**C** WALL SECTION  
SCALE 1/2"=1'-0"

**D** WALL SECTION  
SCALE 1/2"=1'-0"



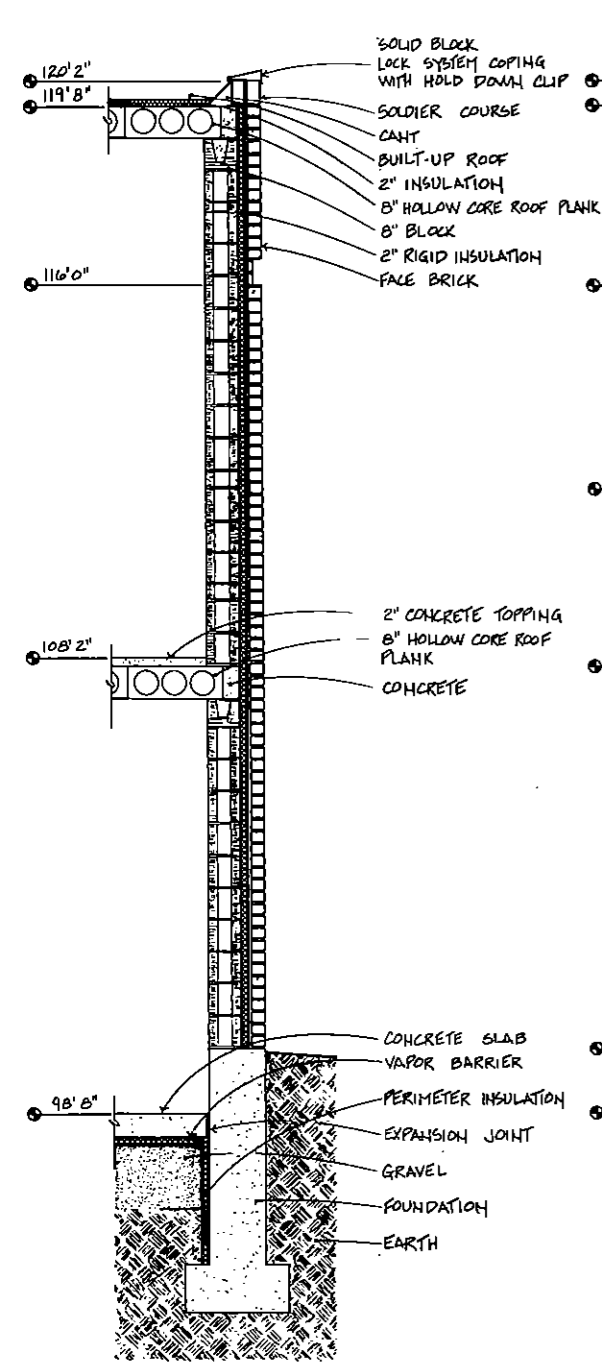
REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN**

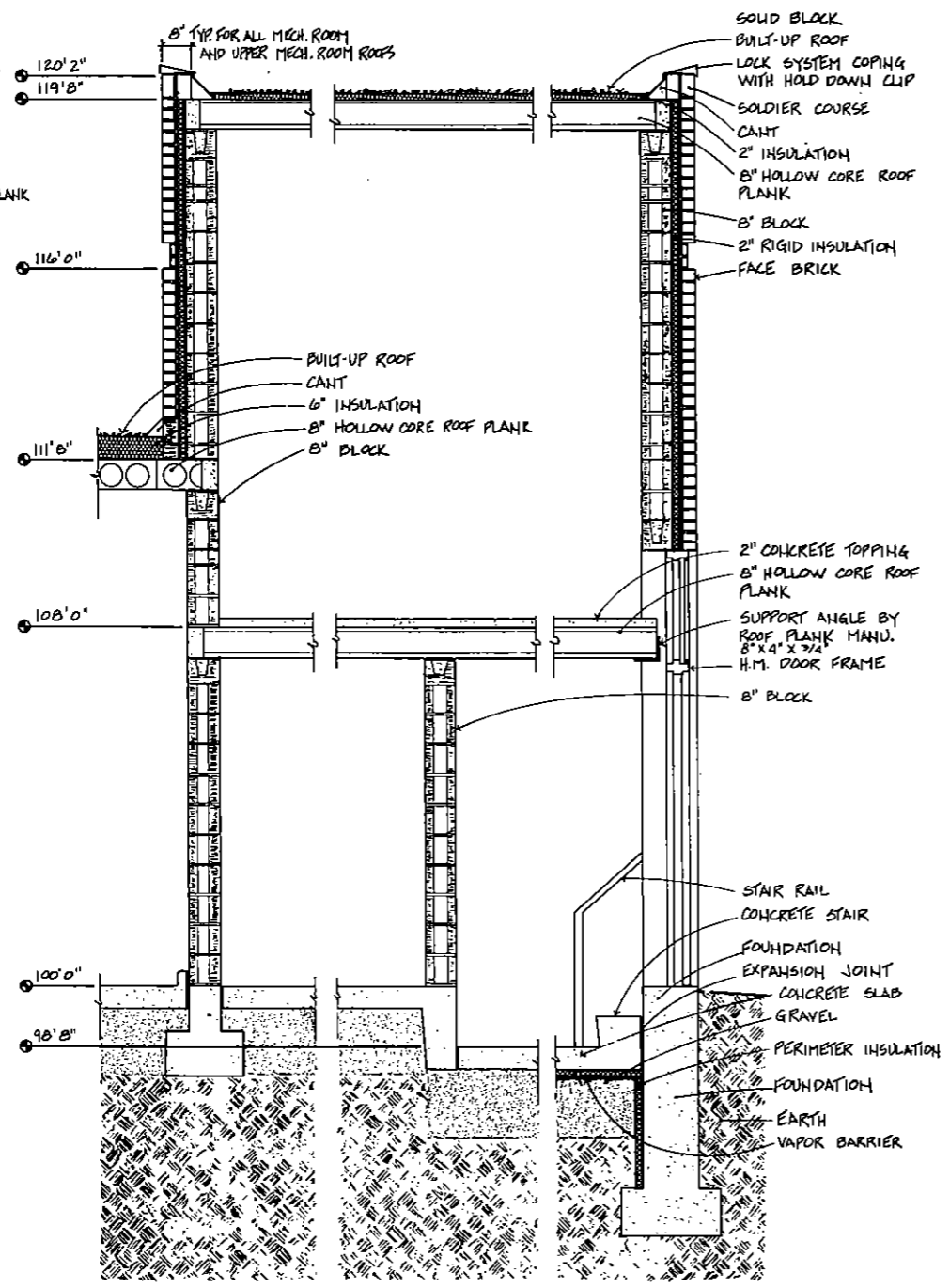
**WALL SECTIONS**

DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WRA	WRA	WBS	DEC-WI-927-376.0

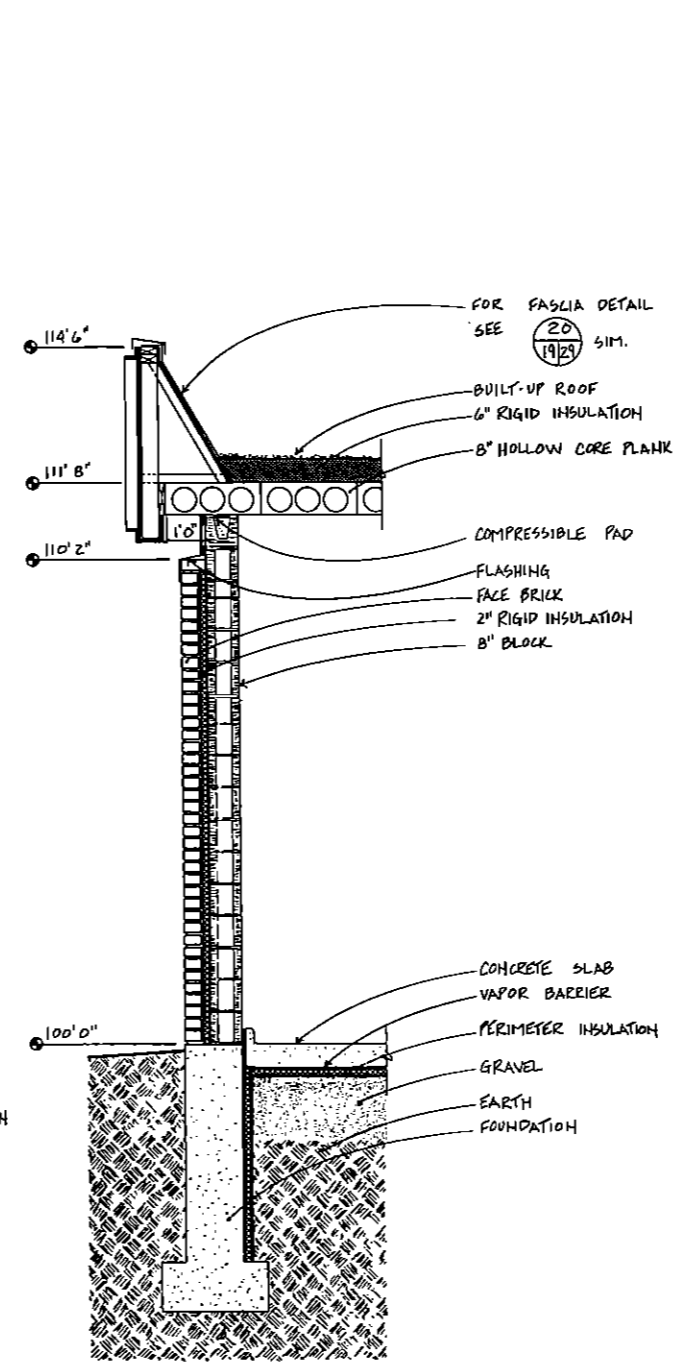
**A19**



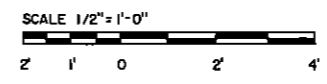
**E** WALL SECTION  
SCALE 1/2"=1'-0"



**F** WALL SECTION  
SCALE 1/2"=1'-0"

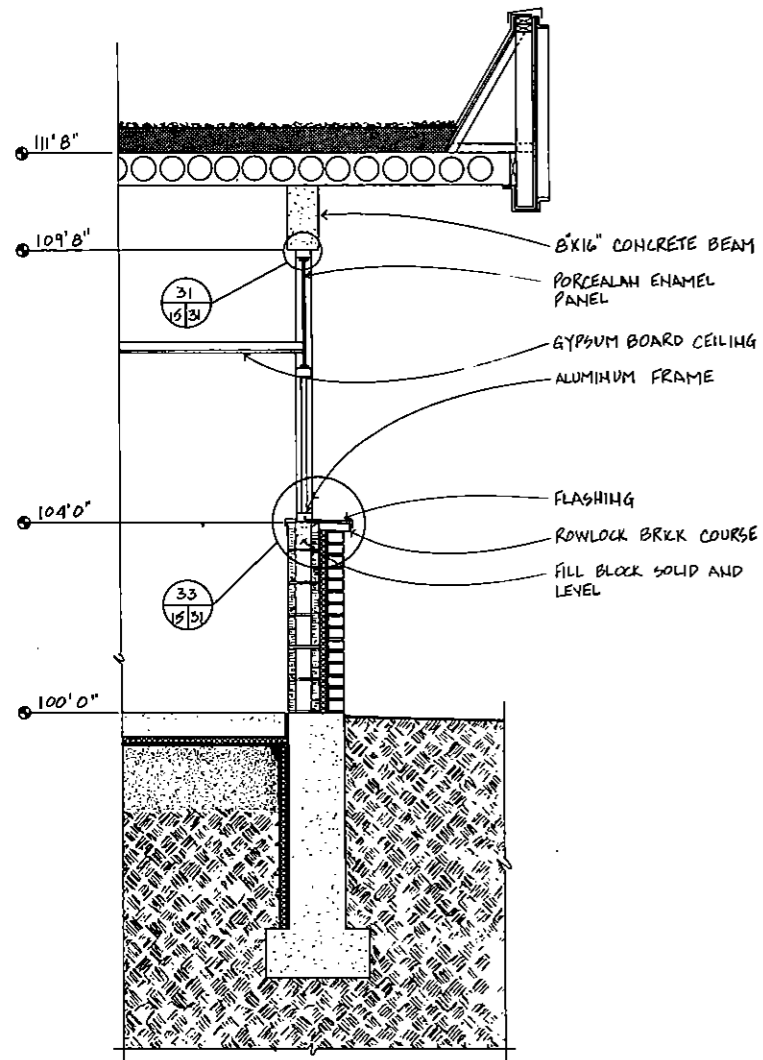


**G** WALL SECTION  
SCALE 1/2"=1'-0"

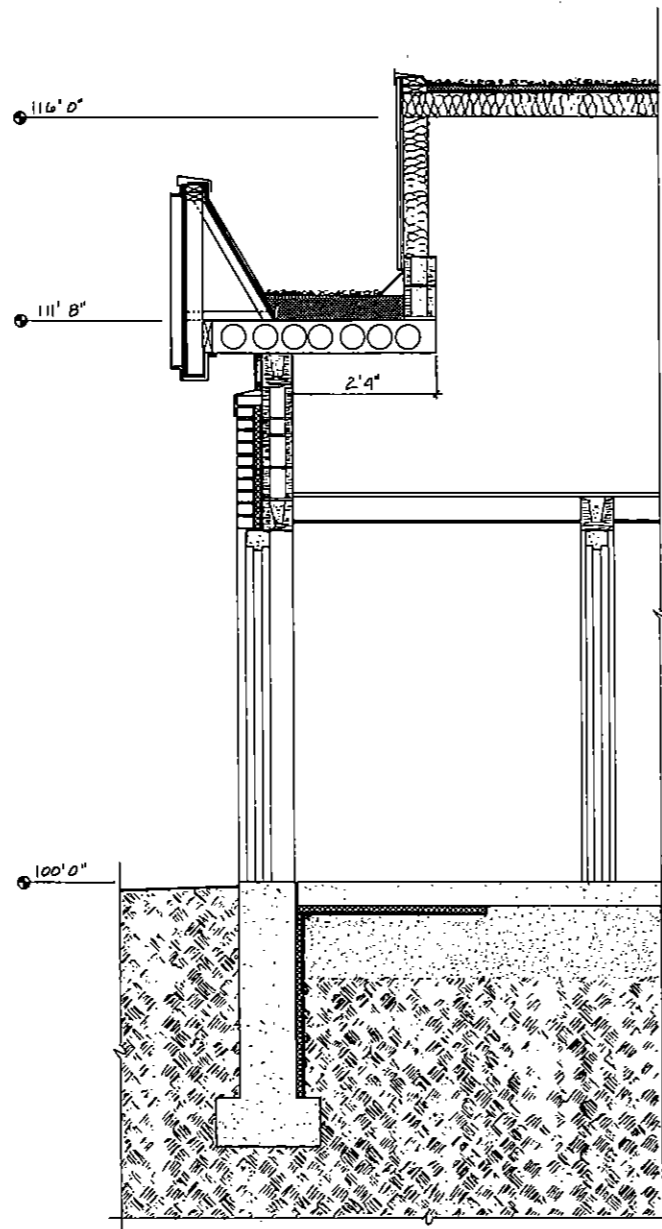


REVISION	STATUS	DATE	DESCRIPTION	BY
MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WRA	WRA	WBS	DEC-WI-927-377.0

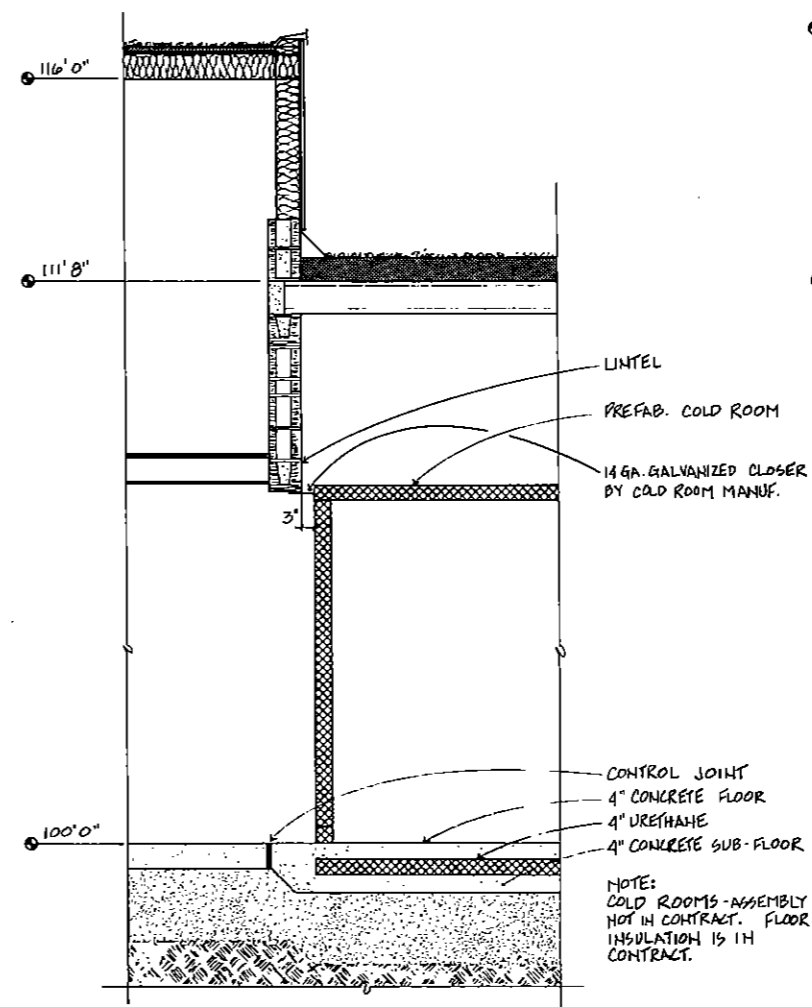
**A20**



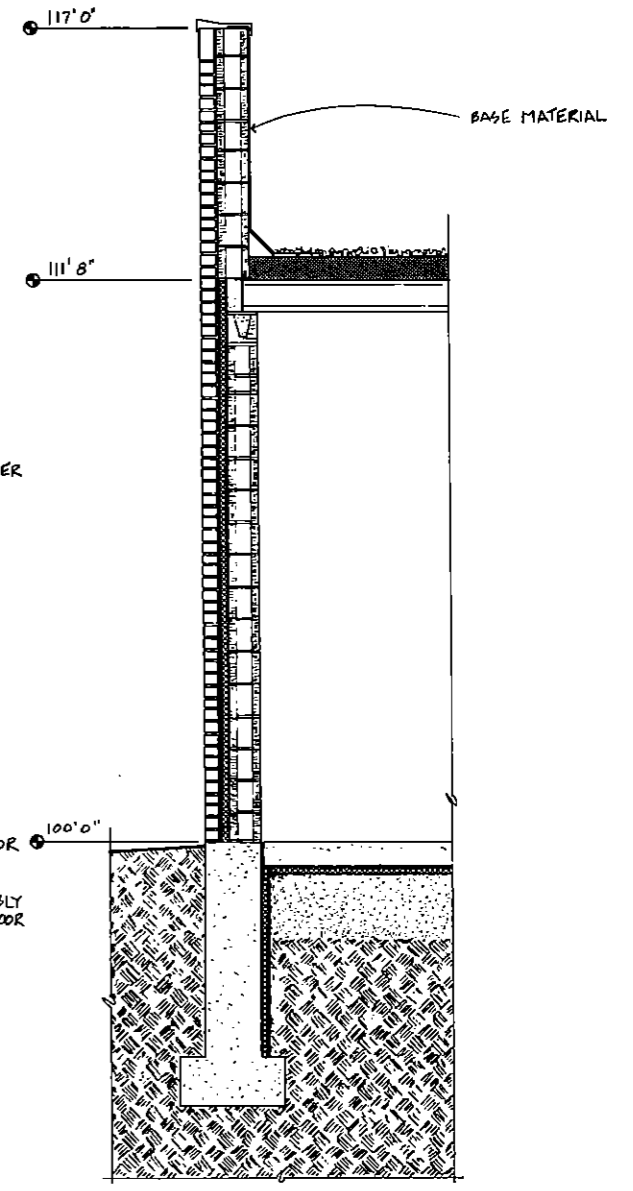
**S** WALL SECTION  
SCALE 1/2":1'-0"



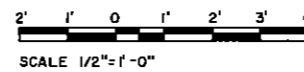
**T** WALL SECTION  
SCALE 1/2":1'-0"



**U** WALL SECTION  
SCALE 1/2":1'-0"



**V** WALL SECTION  
SCALE 1/2":1'-0"



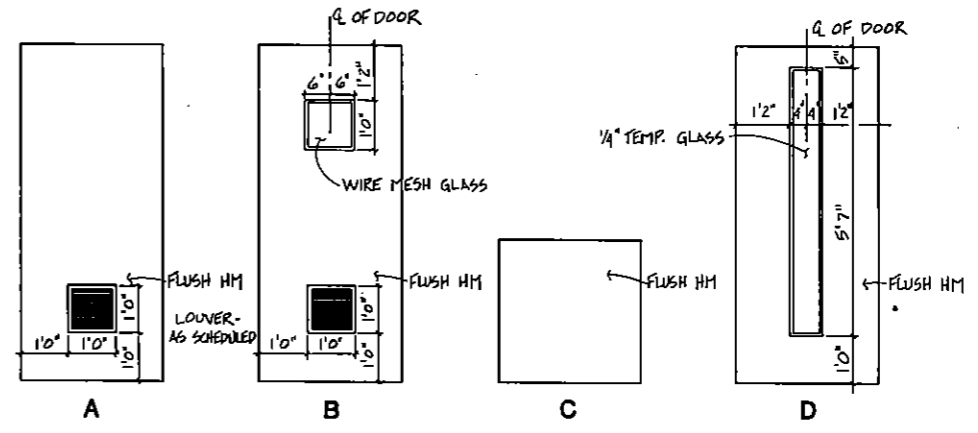
REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WBS	WRA	WBS	DEC-WI-927-378.0

**A21**

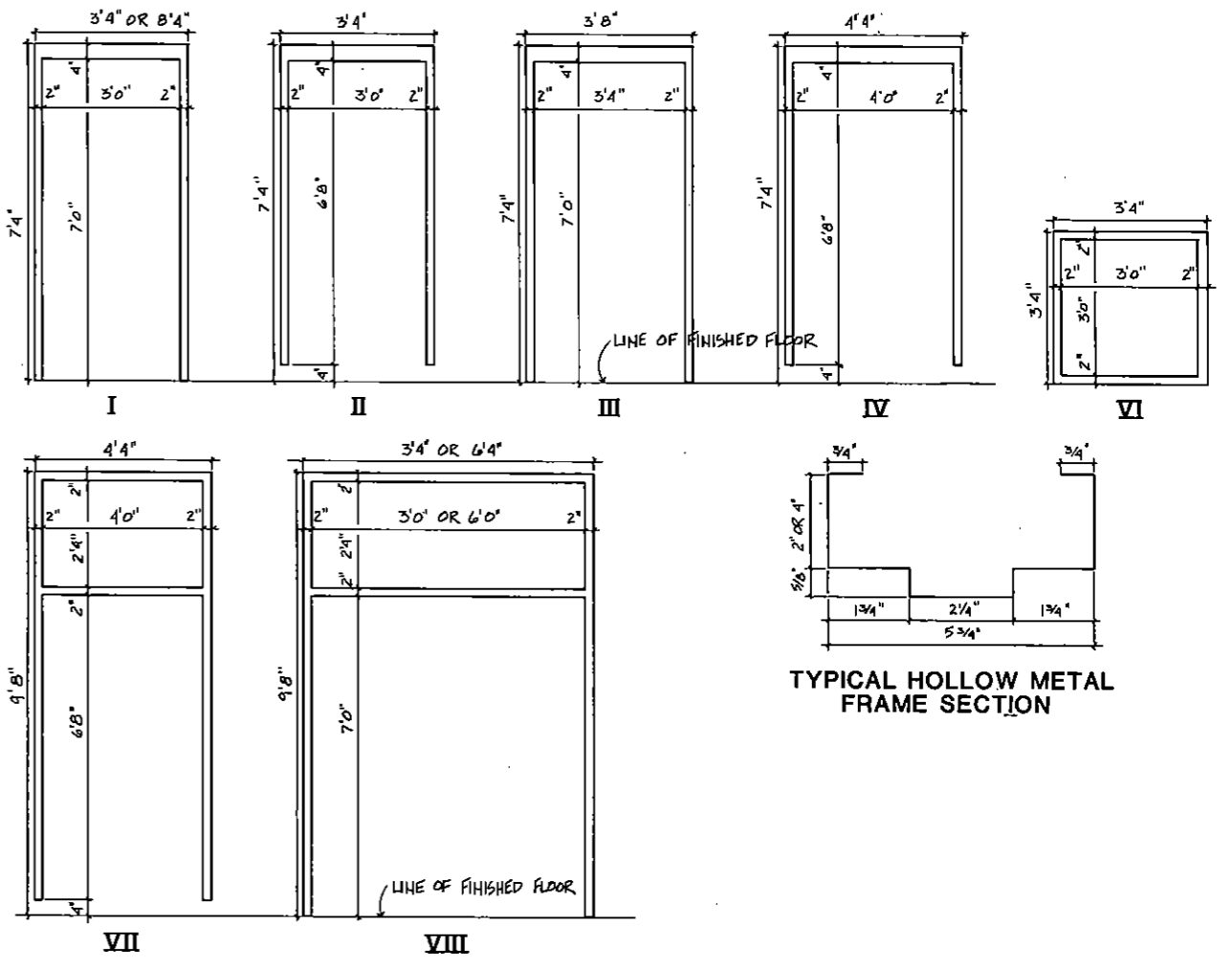
DOOR SCHEDULE													
DOOR NO.	FROM	TO	DOOR SIZE			DOOR TYPE	DOOR HAND	HWDR. GROUP	FRAME TYPE	FRAME DETAILS			REMARKS
			WIDTH	HEIGHT	THICK.					HEAD	JAMB	SILL	
1													OPEN NUMBER
2													OPEN NUMBER
3	LOBBY 02	MEH 03	3'0"	7'0"	1 3/4"	A	LH	HW 1	I	4	5	6	
4	MEH 03	WALK THRU 04	3'0"	7'0"	1 3/4"	A	LHR	HW 1	I	4	5	6	
5	MEH 03	SHOWER 05	3'0"	6'8"	1 3/4"	A	LHR	HW 2	II	4	5	16	
6	SHOWER 05	MEH 06	3'0"	6'8"	1 3/4"	A	LHR	HW 2	II	4	5	16	
7	WALK THRU 04	MEH 06	3'0"	7'0"	1 3/4"	A	LHR	HW 1	I	4	5	6	
8	MEH 06	WORK AREA 07	3'0"	7'0"	1 3/4"	A	LHR	HW 1	I	4	5	6	
9	WORK AREA 07	JANITOR 08	3'0"	7'0"	1 3/4"	A	RHR	HW 1	I	4	5	6	1'SQ. LOUVER
10	LOBBY 02	WOMEN 10	3'0"	7'0"	1 3/4"	A	RH	HW 1	I	4	5	6	
11	WOMEN 10	WALK THRU 11	3'0"	7'0"	1 3/4"	A	LHR	HW 1	I	4	5	6	
12	WOMEN 10	SHOWER 12	3'0"	6'8"	1 3/4"	A	RHR	HW 2	II	4	5	16	
13	SHOWER 12	WOMEN 13	3'0"	6'8"	1 3/4"	A	RHR	HW 2	II	4	5	16	
14	WALK THRU 11	WOMEN 13	3'0"	7'0"	1 3/4"	A	LHR	HW 1	I	4	5	6	
15	WOMEN 13	WORK AREA 07	3'0"	7'0"	1 3/4"	A	RHR	HW 1	I	4	5	6	
16	WORK AREA 07	AIR LOCK 14	3'4"	7'0"	1 3/4"	D	LHR	HW 3	III	4	5	6 (SHM)	
17	AIR LOCK 14	CORRIDOR 19	3'4"	7'0"	1 3/4"	D	LHR	HW 3	III	4	5	6 (SHM)	
18	CORRIDOR 19	CHANGE ROOM 15	3'0"	6'8"	1 3/4"	B	LH	HW 4	II	7	8	9	
19	CHANGE ROOM 15	ANIMAL ROOM 16	3'0"	6'8"	1 3/4"	B	LH	HW 5	II	4	5	16	1'SQ. LOUVER
20	ANIMAL ROOM 16	DIRTY CORRIDOR 55	4'0"	6'8"	1 3/4"	A	LH	HW 6	IV	10	11	12	180° SWING
21	DIRTY CORRIDOR 55	ANIMAL ROOM 18	4'0"	6'8"	1 3/4"	A	LHR	HW 6	IV	10	11	12	180° SWING
22	ANIMAL ROOM 18	CHANGE ROOM 17	3'0"	6'8"	1 3/4"	B	LHR	HW 5	II	4	5	16	1'SQ. LOUVER
23	CHANGE ROOM 17	CORRIDOR 19	3'0"	6'8"	1 3/4"	B	LHR	HW 4	II	7	8	9	
24	CORRIDOR 19	CHANGE ROOM 20	3'0"	6'8"	1 3/4"	B	RH	HW 4	II	7	8	9	
25	CHANGE ROOM 20	ANIMAL ROOM 21	3'0"	6'8"	1 3/4"	B	RH	HW 5	II	4	5	16	1'SQ. LOUVER
26	ANIMAL ROOM 21	DIRTY CORRIDOR 55	4'0"	6'8"	1 3/4"	A	RH	HW 6	IV	10	11	12	180° SWING
27													OPEN NUMBER
*28	EXTERIOR	MECHANICAL ROOM 23	3'0"	7'0"	1 3/4"	A	RHR	HW 7	VIII	1	2	3	SOLID TRANSON PANEL
*29	EXTERIOR	MECHANICAL ROOM 23	PAIR 3'0"	7'0"	1 3/4"	A	R-LHR	HW 7	VIII	1	2	3	SOLID TRANSON PANEL
*30	EXTERIOR	ANIMAL PRODUCTION 25	4'0"	6'8"	1 3/4"	A	RHR	HW 6	VII	17	2	12 (SHM)	SOLID TRANSON PANEL
31	ANIMAL PRODUCTION 25	CHANGE ROOM 24	3'0"	6'8"	1 3/4"	B	RHR	HW 5	II	4	5	16	1'SQ. LOUVER
32	CHANGE ROOM 24	CORRIDOR 19	3'0"	6'8"	1 3/4"	B	RHR	HW 4	II	7	8	9	
33	CORRIDOR 19	CHANGE ROOM 26	3'0"	6'8"	1 3/4"	B	RH	HW 4	II	7	8	9	
34	CHANGE ROOM 26	ANIMAL PRODUCTION 27	3'0"	6'8"	1 3/4"	B	RH	HW 5	II	4	5	16	1'SQ. LOUVER
*35	ANIMAL PRODUCTION 27	EXTERIOR	4'0"	6'8"	1 3/4"	A	RH	HW 6	VII	17	2	12 (SHM)	SOLID TRANSON PANEL
*36	MECHANICAL ROOM 201	EXTERIOR	3'0"	3'0"	1 3/4"	C	RH	HW 8	VI	13	14	15	
*37	MECHANICAL ROOM 201	EXTERIOR	3'0"	3'0"	1 3/4"	C	LH	HW 8	VI	13	14	15	
38	LOBBY 02	JANITOR 28	3'0"	7'0"	1 3/4"	A	LH	HW 1	I	4	5	6	1'SQ. LOUVER
39	CORRIDOR 51	STORAGE 29	3'0"	7'0"	1 3/4"	A	RH	HW 1	I	4	5	6	1'SQ. LOUVER
40	ENTRY 31	LOBBY 30	3'0"	7'0"	1 3/4"	A	LHR	HW 9	I	4	5	6	STOREFRONT
41	EXTERIOR	ENTRY 31	3'0"	7'0"	1 3/4"	A	LHR	HW 9	I	4	5	6	STOREFRONT
42	LOBBY 30	OPEN OFFICE 32	3'0"	7'0"	1 3/4"	D	RH	HW 1	I	4	5	6	1'SQ. LOUVER
43	CORRIDOR 51	LABORATORY 33	3'0"	7'0"	1 3/4"	D	RH	HW 1	I	4	5	6	1'SQ. LOUVER
44	LABORATORY 33	AUTOCLAVE 36	3'0"	7'0"	1 3/4"	B	LH	HW 1	I	4	5	6	1'SQ. LOUVER
45	LABORATORY 33	ISOLATION ROOM 34	3'0"	7'0"	1 3/4"	D	LHR	HW 1	I	4	5	6	1'SQ. LOUVER
46	LABORATORY 33	ISOLATION ROOM 35	3'0"	7'0"	1 3/4"	D	RHR	HW 1	I	4	5	6	1'SQ. LOUVER
47	LABORATORY 37	ISOLATION ROOM 34	3'0"	7'0"	1 3/4"	D	LHR	HW 1	I	4	5	6	1'SQ. LOUVER
48	LABORATORY 37	ISOLATION ROOM 38	3'0"	7'0"	1 3/4"	D	RHR	HW 1	I	4	5	6	1'SQ. LOUVER
49	LABORATORY 37	AUTOCLAVE 36	3'0"	7'0"	1 3/4"	B	RH	HW 1	I	4	5	6	1'SQ. LOUVER
50	CORRIDOR 51	LABORATORY 37	3'0"	7'0"	1 3/4"	D	LH	HW 1	I	4	5	6	1'SQ. LOUVER
51	CORRIDOR 51	LABORATORY 42	3'0"	7'0"	1 3/4"	D	RH	HW 1	I	4	5	6	1'SQ. LOUVER
52	LABORATORY 42	AUTOCLAVE 43	3'0"	7'0"	1 3/4"	B	LH	HW 1	I	4	5	6	1'SQ. LOUVER
53	LABORATORY 42	ISOLATION ROOM 41	3'0"	7'0"	1 3/4"	D	LHR	HW 1	I	4	5	6	1'SQ. LOUVER
54	LABORATORY 42	ISOLATION ROOM 40	3'0"	7'0"	1 3/4"	D	RHR	HW 1	I	4	5	6	1'SQ. LOUVER
55	LABORATORY 44	ISOLATION ROOM 46	3'0"	7'0"	1 3/4"	D	LHR	HW 1	I	4	5	6	1'SQ. LOUVER
56	LABORATORY 44	ISOLATION ROOM 45	3'0"	7'0"	1 3/4"	D	RHR	HW 1	I	4	5	6	1'SQ. LOUVER
57	LABORATORY 44	AUTOCLAVE 43	3'0"	7'0"	1 3/4"	B	RH	HW 1	I	4	5	6	1'SQ. LOUVER
58	CORRIDOR 51	LABORATORY 44	3'0"	7'0"	1 3/4"	D	LH	HW 1	I	4	5	6	1'SQ. LOUVER
59	ENTRY 47	CORRIDOR 51	3'0"	7'0"	1 3/4"	D	RHR	HW 1	I	4	5	6	1'SQ. LOUVER
*60	EXTERIOR	ENTRY 47	3'0"	7'0"	1 3/4"	D	RHR	HW 7	I	1	2	3	GLASS TRANSON PANEL
61	CORRIDOR 51	STORAGE 48	3'0"	7'0"	1 3/4"	D	RH	HW 1	I	4	5	6	1'SQ. LOUVER
62	CORRIDOR 51	EGG INCUBATION 50	3'0"	7'0"	1 3/4"	D	LH	HW 1	I	4	5	6	1'SQ. LOUVER
*63	EXTERIOR	STORAGE 53	3'0"	7'0"	1 3/4"	A	RHR	HW 7	III	17	2	3	GLASS TRANSON PANEL
*64	EXTERIOR	ENTRY 54	4'0"	6'8"	1 3/4"	A	LHR	HW 6	VII	17	2	3	GLASS TRANSON PANEL
65	ENTRY 54	DIRTY CORRIDOR 55	4'0"	6'8"	1 3/4"	A	LHR	HW 6	VII	4	5	6	GLASS TRANSON PANEL
66	DIRTY CORRIDOR 55	ANIMAL ISOLATION 56	4'0"	6'8"	1 3/4"	A	LHR	HW 6	IV	10	11	12	180° SWING
67	CHANGE ROOM 57	ANIMAL ISOLATION 56	3'0"	6'8"	1 3/4"	B	RH	HW 5	II	4	5	16	1'SQ. LOUVER

HDWR.--HARDWARE  
\* INSULATED METAL DOOR

DOOR TYPES



FRAME TYPES



TYPICAL HOLLOW METAL FRAME SECTION

REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY</b> <b>ANIMAL ISOLATION BUILDING</b> <b>MADISON, WISCONSIN</b>				
<b>DOOR SCHEDULE, DOOR AND FRAME TYPES</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WRA	WRA	WBS	DEC-WI-927-379.0

A22

38-30

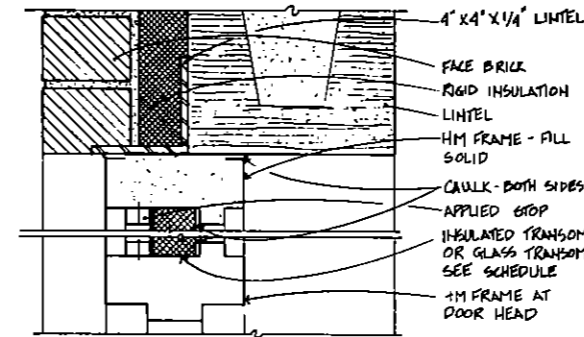


**DOOR SCHEDULE**

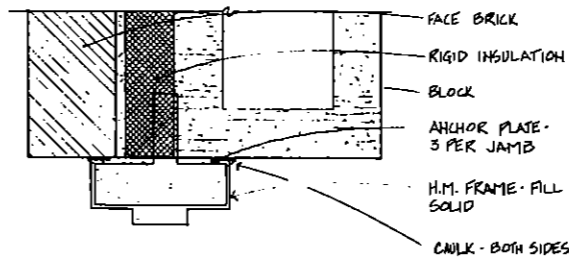
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			WIDTH	HEIGHT	THICK.					HEAD	JAMB	SILL	
68	CHANGE ROOM 57	CORRIDOR 62	3'0"	6'8"	1 3/4"	B	LHR	HW 4	II	7	8	9	
69	AIR LOCK 63	CORRIDOR 62	3'0"	7'0"	1 3/4"	D	LHR	HW 7	I	4	5	6 (S1M)	
* 70	EXTERIOR	AIR LOCK 63	3'0"	7'0"	1 3/4"	D	LHR	HW 7	I	1	2	3	
71	CORRIDOR 62	CHANGE ROOM 58	3'0"	6'8"	1 3/4"	B	LH	HW 4	II	7	8	9	
72	CHANGE ROOM 58	ANIMAL ISOLATION 59	3'0"	6'8"	1 3/4"	B	LH	HW 5	II	4	5	16	1' SQ. LOUVER
73	ANIMAL ISOLATION 59	DIRTY CORRIDOR 55	4'0"	6'8"	1 3/4"	A	LH	HW 6	IV	10	11	12	180° SWING
74	DIRTY CORRIDOR 55	ANIMAL ISOLATION 61	4'0"	6'8"	1 3/4"	A	RHR	HW 6	IV	10	11	12	180° SWING
75	DIRTY CORRIDOR 55	CORRIDOR 106	4'0"	6'8"	1 3/4"	A	RH	HW 6	II	4	5	16	
76	CHANGE ROOM 60	ANIMAL ISOLATION 64	3'0"	6'8"	1 3/4"	B	LH	HW 5	II	4	5	16	1' SQ. LOUVER
77	CORRIDOR 62	CHANGE ROOM 60	3'0"	6'8"	1 3/4"	B	LH	HW 4	II	7	8	9	
78	CORRIDOR 62	CHANGE ROOM 68	3'0"	6'8"	1 3/4"	B	RH	HW 4	II	7	8	9	
79	CHANGE ROOM 68	ANIMAL ISOLATION 69	3'0"	6'8"	1 3/4"	B	RH	HW 5	II	4	5	16	1' SQ. LOUVER
80	ANIMAL ISOLATION 69	DIRTY CORRIDOR 70	4'0"	6'8"	1 3/4"	A	RH	HW 6	IV	10	11	12	180° SWING
81	DIRTY CORRIDOR 70	CORRIDOR 106	4'0"	6'8"	1 3/4"	A	RH	HW 6	II	4	5	16	
82	ANIMAL ISOLATION 67	DIRTY CORRIDOR 70	4'0"	6'8"	1 3/4"	A	RH	HW 6	IV	10	11	12	180° SWING
83	CHANGE ROOM 66	ANIMAL ISOLATION 67	3'0"	6'8"	1 3/4"	B	RH	HW 5	II	4	5	16	1' SQ. LOUVER
84	CORRIDOR 62	CHANGE ROOM 66	3'0"	6'8"	1 3/4"	B	RH	HW 4	II	7	8	9	
85	CORRIDOR 62	CHANGE ROOM 65	3'0"	6'8"	1 3/4"	B	LH	HW 4	II	7	8	9	
86	CHANGE ROOM 65	ANIMAL ISOLATION 64	3'0"	6'8"	1 3/4"	B	LH	HW 5	II	4	5	16	1' SQ. LOUVER
87	ANIMAL ISOLATION 64	DIRTY CORRIDOR 70	4'0"	6'8"	1 3/4"	A	LH	HW 6	IV	10	11	12	180° SWING
88	DIRTY CORRIDOR 70	AIR LOCK 71	4'0"	6'8"	1 3/4"	A	LHR	HW 6	VII	4	5	6	GLASS TRANSOM PANEL
* 89	AIR LOCK 71	EXTERIOR	4'0"	6'8"	1 3/4"	A	LHR	HW 6	VII	17	2	3	GLASS TRANSOM PANEL
90	ANIMAL ISOLATION 72	DIRTY CORRIDOR 70	4'0"	6'8"	1 3/4"	A	RH	HW 6	IV	10	11	12	180° SWING
91	CHANGE ROOM 73	ANIMAL ISOLATION 72	3'0"	6'8"	1 3/4"	B	RH	HW 5	II	4	5	16	1' SQ. LOUVER
92	CORRIDOR 78	CHANGE ROOM 73	3'0"	6'8"	1 3/4"	B	RH	HW 4	II	7	8	9	
93	CORRIDOR 78	AIR LOCK 79	3'0"	7'0"	1 3/4"	D	RH	HW 7	I	4	5	6 (S1M)	
* 94	AIR LOCK 79	EXTERIOR	3'0"	7'0"	1 3/4"	D	RH	HW 7	I	1	2	3	
95	CORRIDOR 78	CHANGE ROOM 74	3'0"	6'8"	1 3/4"	B	LH	HW 4	II	7	8	9	
96	CHANGE ROOM 74	ANIMAL ISOLATION 75	3'0"	6'8"	1 3/4"	B	LH	HW 5	II	4	5	16	1' SQ. LOUVER
97	DIRTY CORRIDOR 70	ANIMAL ISOLATION 75	4'0"	6'8"	1 3/4"	A	RHR	HW 6	IV	10	11	12	180° SWING
98	ANIMAL ISOLATION 77	DIRTY CORRIDOR 70	4'0"	6'8"	1 3/4"	A	LH	HW 6	IV	10	11	12	180° SWING
99	CHANGE ROOM 76	ANIMAL ISOLATION 77	3'0"	6'8"	1 3/4"	B	LH	HW 5	II	4	5	16	1' SQ. LOUVER
100	CORRIDOR 78	CHANGE ROOM 76	3'0"	6'8"	1 3/4"	B	LH	HW 4	II	7	8	9	
101	CORRIDOR 78	CHANGE ROOM 84	3'0"	6'8"	1 3/4"	B	RH	HW 4	II	7	8	9	
102	CHANGE ROOM 84	ANIMAL ISOLATION 85	3'0"	6'8"	1 3/4"	B	RH	HW 5	II	4	5	16	1' SQ. LOUVER
103	ANIMAL ISOLATION 85	DIRTY CORRIDOR 86	4'0"	6'8"	1 3/4"	A	RH	HW 6	IV	10	11	12	180° SWING
104	DIRTY CORRIDOR 86	CORRIDOR 106	4'0"	6'8"	1 3/4"	A	RH	HW 6	II	4	5	16	
105	DIRTY CORRIDOR 86	ANIMAL ISOLATION 83	4'0"	6'8"	1 3/4"	A	LHR	HW 6	IV	10	11	12	180° SWING
106	CHANGE ROOM 82	ANIMAL ISOLATION 83	3'0"	6'8"	1 3/4"	B	RH	HW 5	II	4	5	16	1' SQ. LOUVER
107	CORRIDOR 78	CHANGE ROOM 82	3'0"	6'8"	1 3/4"	B	RH	HW 4	II	7	8	9	
108	CORRIDOR 78	CHANGE ROOM 81	3'0"	6'8"	1 3/4"	B	LH	HW 4	II	7	8	9	
109	CHANGE ROOM 81	ANIMAL ISOLATION 80	3'0"	6'8"	1 3/4"	B	LH	HW 5	II	4	5	16	1' SQ. LOUVER
110	ANIMAL ISOLATION 80	DIRTY CORRIDOR 86	4'0"	6'8"	1 3/4"	A	LH	HW 6	IV	10	11	12	180° SWING
111	DIRTY CORRIDOR 86	AIR LOCK 87	4'0"	6'8"	1 3/4"	A	LHR	HW 6	VII	4	5	6	GLASS TRANSOM PANEL
* 112	AIR LOCK 87	EXTERIOR	4'0"	6'8"	1 3/4"	A	LHR	HW 6	VII	17	2	3	GLASS TRANSOM PANEL
113													OPEN HUNGER
114	CORRIDOR 94	NECROPSY 89	3'0"	7'0"	1 3/4"	D	RH	HW 7	I	4	5	6	1' SQ. LOUVER
115	NECROPSY 89	INCUBATOR 88	3'0"	7'0"	1 3/4"	A	RH	HW 7	I	4	5	6	ZHR FIRE RATED
116	CORRIDOR 94	AIR LOCK 95	3'0"	7'0"	1 3/4"	D	RH	HW 7	I	4	5	6 (S1M)	
* 117	AIR LOCK 95	EXTERIOR	3'0"	7'0"	1 3/4"	D	RH	HW 7	I	1	2	3	
118	CORRIDOR 94	CHANGE ROOM 90	3'0"	6'8"	1 3/4"	B	LH	HW 4	II	7	8	9	
119	CHANGE ROOM 90	ANIMAL ISOLATION 91	3'0"	6'8"	1 3/4"	B	LH	HW 5	II	4	5	16	1' SQ. LOUVER
120	ANIMAL ISOLATION 91	DIRTY CORRIDOR 86	4'0"	6'8"	1 3/4"	A	LH	HW 6	IV	10	11	12	180° SWING
121	ANIMAL ISOLATION 93	DIRTY CORRIDOR 86	4'0"	6'8"	1 3/4"	A	LH	HW 6	IV	10	11	12	180° SWING
122	CHANGE ROOM 92	ANIMAL ISOLATION 93	3'0"	6'8"	1 3/4"	B	LH	HW 5	II	4	5	16	1' SQ. LOUVER
123	CORRIDOR 94	CHANGE ROOM 92	3'0"	6'8"	1 3/4"	B	LH	HW 4	II	7	8	9	
124	CORRIDOR 106	CHANGE ROOM 97	3'0"	6'8"	1 3/4"	B	LH	HW 4	II	7	8	9	
125	CHANGE ROOM 97	ANIMAL ISOLATION 96	3'0"	6'8"	1 3/4"	B	LH	HW 5	II	4	5	16	1' SQ. LOUVER
* 126	EXTERIOR	ANIMAL ISOLATION 96	4'0"	6'8"	1 3/4"	A	RHR	HW 6	VII	17	2	12 (S1M)	SOLID TRANSOM PANEL
* 127	EXTERIOR	ANIMAL ISOLATION 99	4'0"	6'8"	1 3/4"	A	LHR	HW 6	VII	17	2	12 (S1M)	SOLID TRANSOM PANEL
128	CHANGE ROOM 98	ANIMAL ISOLATION 99	3'0"	6'8"	1 3/4"	B	RH	HW 5	II	4	5	16	1' SQ. LOUVER
129	CORRIDOR 106	CHANGE ROOM 98	3'0"	6'8"	1 3/4"	B	RH	HW 4	II	7	8	9	
130	CORRIDOR 106	CHANGE ROOM 101	3'0"	6'8"	1 3/4"	B	LH	HW 4	II	7	8	9	
131	CHANGE ROOM 101	ANIMAL ISOLATION 100	3'0"	6'8"	1 3/4"	B	LH	HW 5	II	4	5	16	1' SQ. LOUVER
* 132	ANIMAL ISOLATION 100	EXTERIOR	4'0"	6'8"	1 3/4"	A	LH	HW 6	VII	17	2	12 (S1M)	SOLID TRANSOM PANEL
* 133	EXTERIOR	ANIMAL ISOLATION 103	4'0"	6'8"	1 3/4"	A	LHR	HW 6	VII	17	2	12 (S1M)	SOLID TRANSOM PANEL
134	CHANGE ROOM 102	ANIMAL ISOLATION 103	3'0"	6'8"	1 3/4"	B	RH	HW 5	II	4	5	16	1' SQ. LOUVER

HWDR. - HARDWARE

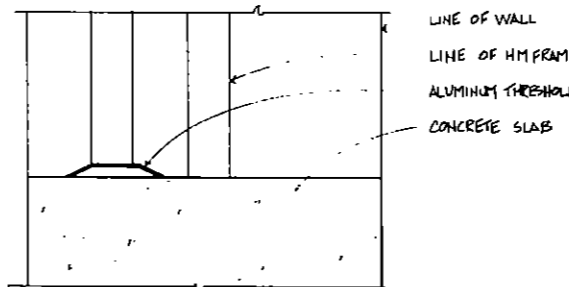
\* INSULATED METAL DOOR



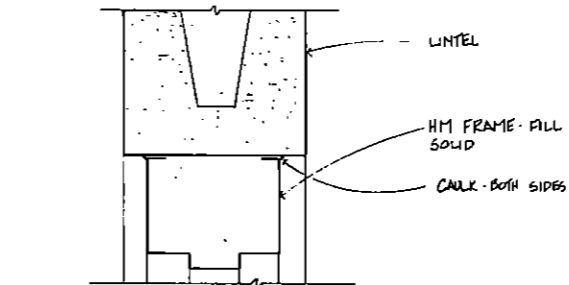
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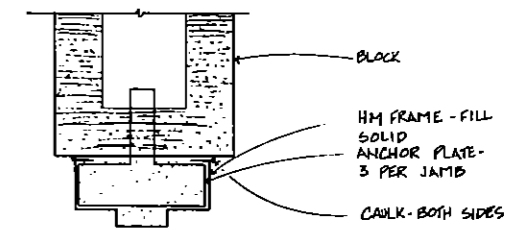
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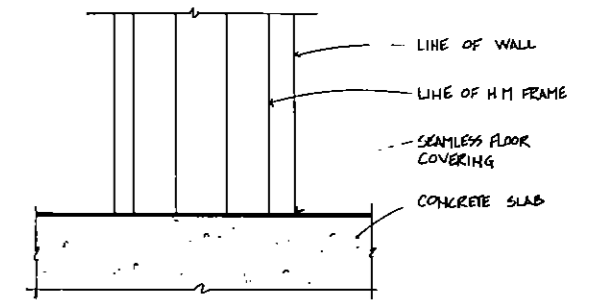
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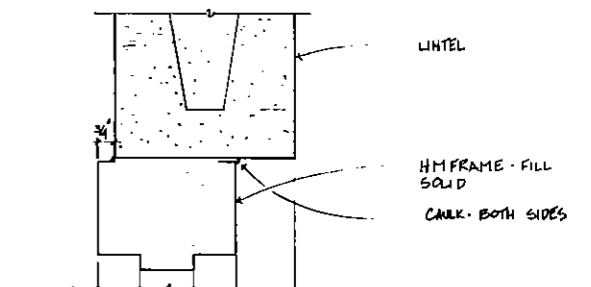
4 HEAD SCALE 3":1'-0"



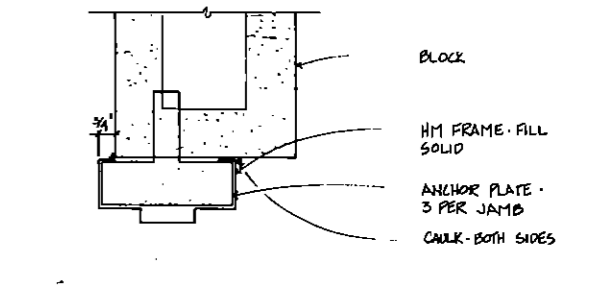
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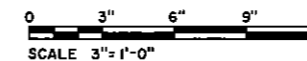
6 SILL SCALE 3":1'-0"



7 HEAD SCALE 3":1'-0"



8 JAMB SCALE 3":1'-0"



REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN**

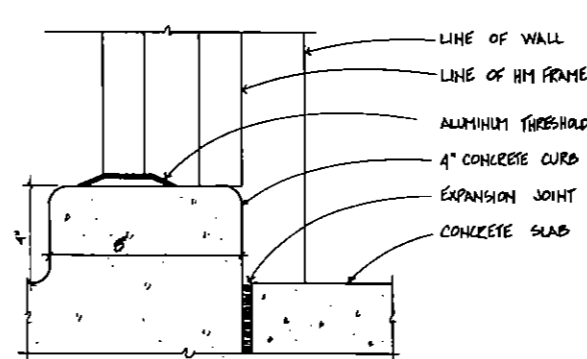
**DOOR SCHEDULE AND FRAME DETAILS**

DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WRA	WRA	WBS	DEC-WI-927-380.0

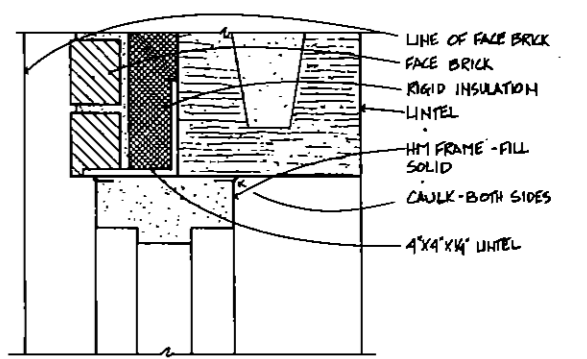
**A23**

## DOOR SCHEDULE

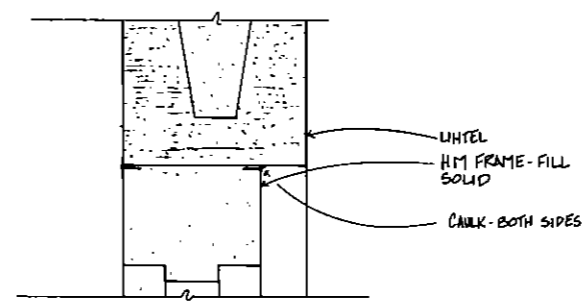
DOOR NO.	FROM	TO	DOOR SIZE			DOOR TYPE	DOOR HAND	HDWR. GROUP	FRAME TYPE	FRAME DETAILS			REMARKS
			WIDTH	HEIGHT	THICK.					HEAD	JAMB	SILL	
135	CORRIDOR 106	CHANGE ROOM 102	3'0"	6'8"	1 3/4"	B	RH	HW 4	II	7	8	9	
136	CORRIDOR 106	CHANGE ROOM 105	3'0"	6'8"	1 3/4"	B	LH	HW 4	II	7	8	9	
137	CHANGE ROOM 105	ANIMAL ISOLATION 104	3'0"	6'8"	1 3/4"	B	LH	HW 5	II	4	5	16	1" SQ. LOUVER
* 138	EXTERIOR	ANIMAL ISOLATION 104	4'0"	6'8"	1 3/4"	A	RHR	HW 6	VII	17	2	12 (S1M)	SOLID TRANSOM PANEL
* 139	EXTERIOR	ANIMAL ISOLATION 108	4'0"	6'8"	1 3/4"	A	LHR	HW 6	VII	17	2	12 (S1M)	SOLID TRANSOM PANEL
140	CHANGE ROOM 107	ANIMAL ISOLATION 108	3'0"	6'8"	1 3/4"	B	LH	HW 5	II	4	5	16	1" SQ. LOUVER
141	CORRIDOR 106	CHANGE ROOM 107	3'0"	6'8"	1 3/4"	B	LH	HW 4	II	7	8	9	
* 142	EXTERIOR	PEST CAGE STORAGE 104	PAIR 3'0"	7'0"	1 3/4"	A	R-LHR	HW 7	VIII	17	2	3	GLASS TRANSOM PANEL
* 143	EXTERIOR	MECHANICAL CHASE 203	3'0"	3'0"	1 3/4"	C	RHR	HW 8	VI	19	20	18	
* 144	EXTERIOR	MECHANICAL CHASE 207	3'0"	3'0"	1 3/4"	C	RHR	HW 8	VI	19	20	18	
* 145	EXTERIOR	MECHANICAL CHASE 207	3'0"	3'0"	1 3/4"	C	RHR	HW 8	VI	19	20	18	
* 146	EXTERIOR	MECHANICAL ROOM 201	3'0"	3'0"	1 3/4"	C	RHR	HW 8	VI	13	14	15	
* 147	EXTERIOR	INCUBATOR B9	PAIR 4'0"	7'0"	1 3/4"	A	R-LHR	HW 7	I	1	2	3	



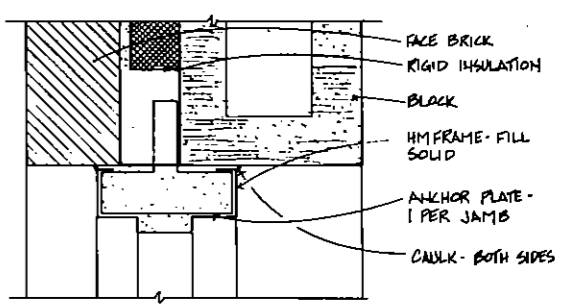
**9 SILL**  
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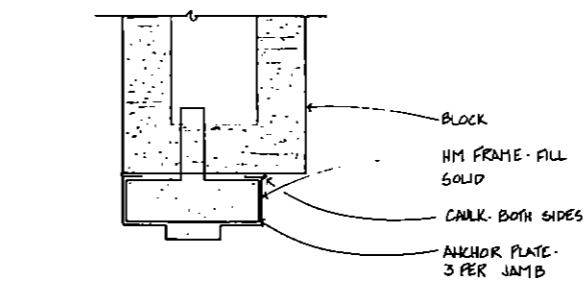
**13 HEAD**  
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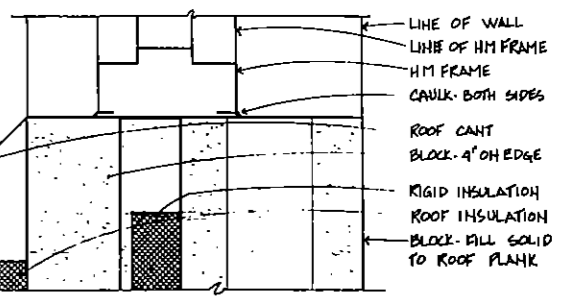
**10 HEAD**  
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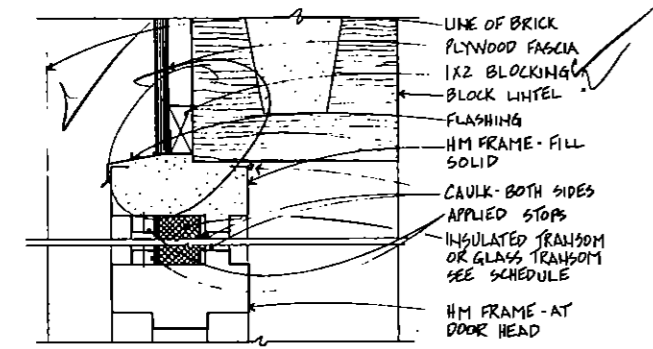
**14 JAMB**  
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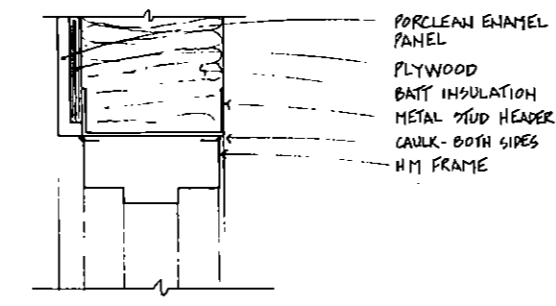
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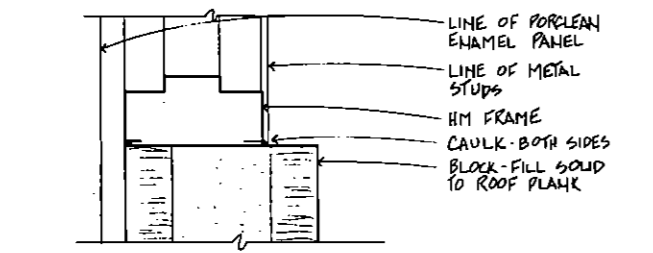
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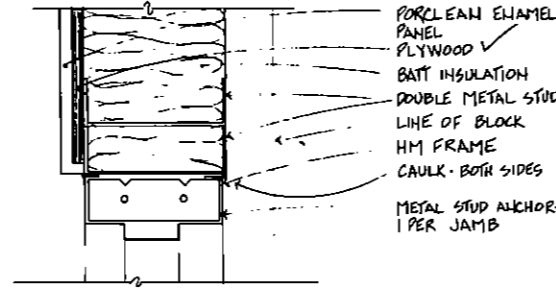
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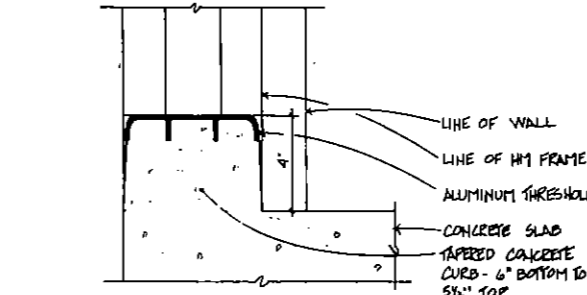
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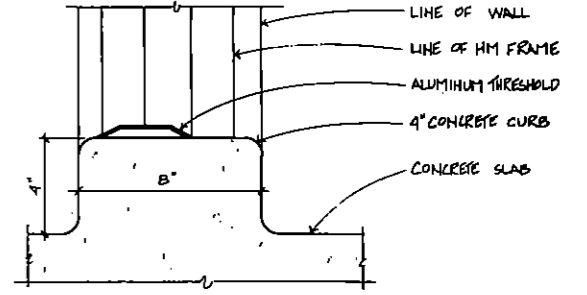
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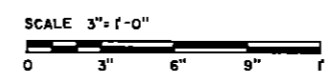
**20 JAMB**  
SCALE 3":1'-0"



**12 SILL**  
SCALE 3":1'-0"



**16 SILL**  
SCALE 3":1'-0"



REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY  
ANIMAL ISOLATION BUILDING  
MADISON, WISCONSIN**

DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WRA	WRA	WBS	DEC-WI-927-381_9

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## ROOM FINISH SCHEDULE

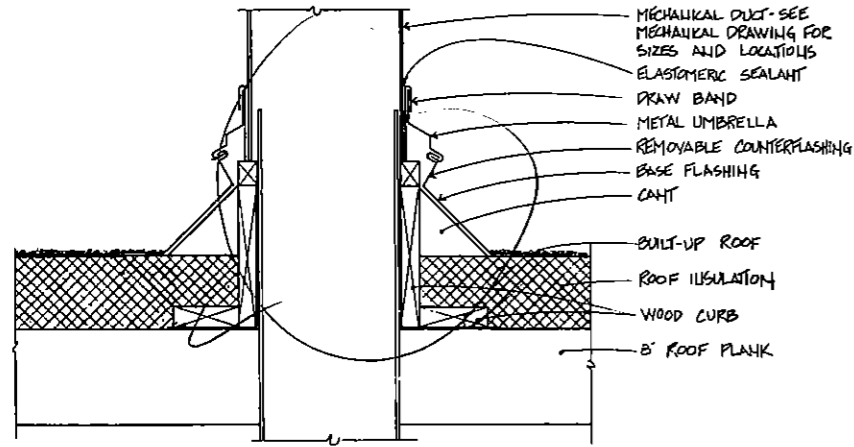
ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS								CEILING			REMARKS
				NORTH		EAST		SOUTH		WEST		MAT.	FIN.	HT.	
				MAT.	FIN.	MAT.	FIN.	MAT.	FIN.	MAT.	FIN.				
49	COLD ROOM	CONCRETE										CONCRETE	PAINT	8'6"	PREFAB
50	EGG INCUBATION	SEAMLESS	FLASH COVE	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	CONCRETE	PAINT	11'0"	
51	CORRIDOR	SEAMLESS	FLASH COVE	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	GYP. BOARD	PAINT	7'6"	
52	COLD ROOM	CONCRETE												8'6"	PREFAB
53	STORAGE	CONCRETE		BLACK		BLACK		BLACK		BLACK		CONCRETE		11'0"	
54	AIR LOCK	CONCRETE		BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	CONCRETE	PAINT	11'0"	
55	DIRTY CORRIDOR	CONCRETE		BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	CONCRETE	PAINT	11'0"	
56	ANIMAL ISOLATION	CONCRETE		BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	CONCRETE	PAINT	11'0"	
57	CHANGE ROOM	CONCRETE		BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	GYP. BOARD	PAINT	7'6"	WP GYPSUM BOARD CEILING
58	CHANGE ROOM	CONCRETE		BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	GYP. BOARD	PAINT	7'6"	WP GYPSUM BOARD CEILING
59	ANIMAL ISOLATION	CONCRETE		BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	CONCRETE	PAINT	11'0"	
60	CHANGE ROOM	CONCRETE		BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	GYP. BOARD	PAINT	7'6"	WP GYPSUM BOARD CEILING
61	ANIMAL ISOLATION	CONCRETE		BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	CONCRETE	PAINT	11'0"	
62	CORRIDOR	SEAMLESS	FLASH COVE	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	GYP. BOARD	PAINT	7'6"	
63	AIR LOCK	SEAMLESS	FLASH COVE	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	GYP. BOARD	PAINT	7'6"	
64	ANIMAL ISOLATION	CONCRETE		BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	CONCRETE	PAINT	11'0"	
65	CHANGE ROOM	CONCRETE		BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	GYP. BOARD	PAINT	7'6"	WP GYPSUM BOARD CEILING
66	CHANGE ROOM	CONCRETE		BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	GYP. BOARD	PAINT	7'6"	WP GYPSUM BOARD CEILING
67	ANIMAL ISOLATION	CONCRETE		BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	CONCRETE	PAINT	11'0"	
68	CHANGE ROOM	CONCRETE		BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	GYP. BOARD	PAINT	7'6"	WP GYPSUM BOARD CEILING
69	ANIMAL ISOLATION	CONCRETE		BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	CONCRETE	PAINT	11'0"	
70	DIRTY CORRIDOR	CONCRETE		BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	CONCRETE	PAINT	11'0"	
71	AIR LOCK	CONCRETE		BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	CONCRETE	PAINT	11'0"	
72	ANIMAL ISOLATION	CONCRETE		BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	CONCRETE	PAINT	11'0"	
73	CHANGE ROOM	CONCRETE		BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	GYP. BOARD	PAINT	7'6"	WP GYPSUM BOARD CEILING
74	CHANGE ROOM	CONCRETE		BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	GYP. BOARD	PAINT	7'6"	WP GYPSUM BOARD CEILING
75	ANIMAL ISOLATION	CONCRETE		BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	CONCRETE	PAINT	11'0"	
76	CHANGE ROOM	CONCRETE		BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	GYP. BOARD	PAINT	7'6"	WP GYPSUM BOARD CEILING
77	ANIMAL ISOLATION	CONCRETE		BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	CONCRETE	PAINT	11'0"	
78	CORRIDOR	SEAMLESS	FLASH COVE	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	GYP. BOARD	PAINT	7'6"	
79	AIR LOCK	SEAMLESS	FLASH COVE	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	GYP. BOARD	PAINT	7'6"	
80	ANIMAL ISOLATION	CONCRETE		BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	CONCRETE	PAINT	11'0"	
81	CHANGE ROOM	CONCRETE		BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	GYP. BOARD	PAINT	7'6"	WP GYPSUM BOARD CEILING
82	CHANGE ROOM	CONCRETE		BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	GYP. BOARD	PAINT	7'6"	WP GYPSUM BOARD CEILING
83	ANIMAL ROOM	CONCRETE		BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	CONCRETE	PAINT	11'0"	
84	CHANGE ROOM	CONCRETE		BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	GYP. BOARD	PAINT	7'6"	WP GYPSUM BOARD CEILING
85	ANIMAL ISOLATION	CONCRETE		BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	CONCRETE	PAINT	11'0"	
86	DIRTY CORRIDOR	CONCRETE		BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	CONCRETE	PAINT	11'0"	
87	AIR LOCK	CONCRETE		BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	CONCRETE	PAINT	11'0"	
88	NECROPSY	SEAMLESS	FLASH COVE	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	GYPSUM BO.	PAINT	9'0"	WP GYPSUM BOARD CEILING
89	INCINERATOR	CONCRETE		BLACK		BLACK		BLACK		BLACK		CONCRETE		11'0"	
90	CHANGE ROOM	CONCRETE		BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	GYP. BOARD	PAINT	7'6"	WP GYPSUM BOARD CEILING
91	ANIMAL ISOLATION	CONCRETE		BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	CONCRETE	PAINT	11'0"	
92	CHANGE ROOM	CONCRETE		BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	GYP. BOARD	PAINT	7'6"	WP GYPSUM BOARD CEILING
93	ANIMAL ISOLATION	CONCRETE		BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	CONCRETE	PAINT	11'0"	
94	CORRIDOR	SEAMLESS	FLASH COVE	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	GYP. BOARD	PAINT	7'6"	
95	AIR LOCK	SEAMLESS	FLASH COVE	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	GYP. BOARD	PAINT	7'6"	
96	ANIMAL ISOLATION	CONCRETE		BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	BLACK	PAINT	CONCRETE	PAINT	11'0"	

MAT. : MATERIAL FIN. : FINISH HT. : HEIGHT

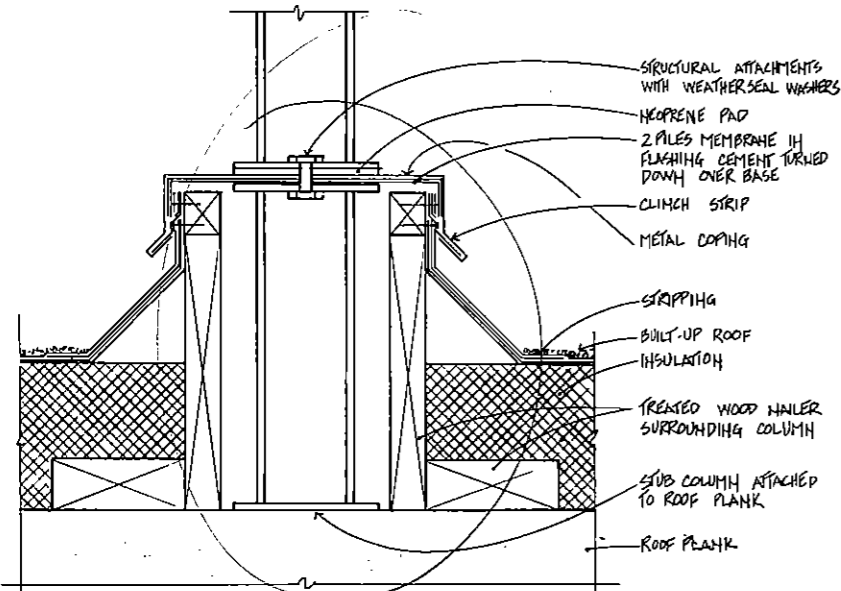
REVISION	STATUS	DATE	DESCRIPTION	BY
MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WRA	WRA	WBS	DEC-WI-927-383.0

A26

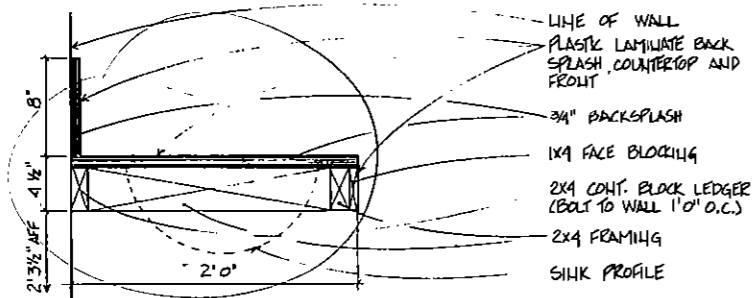




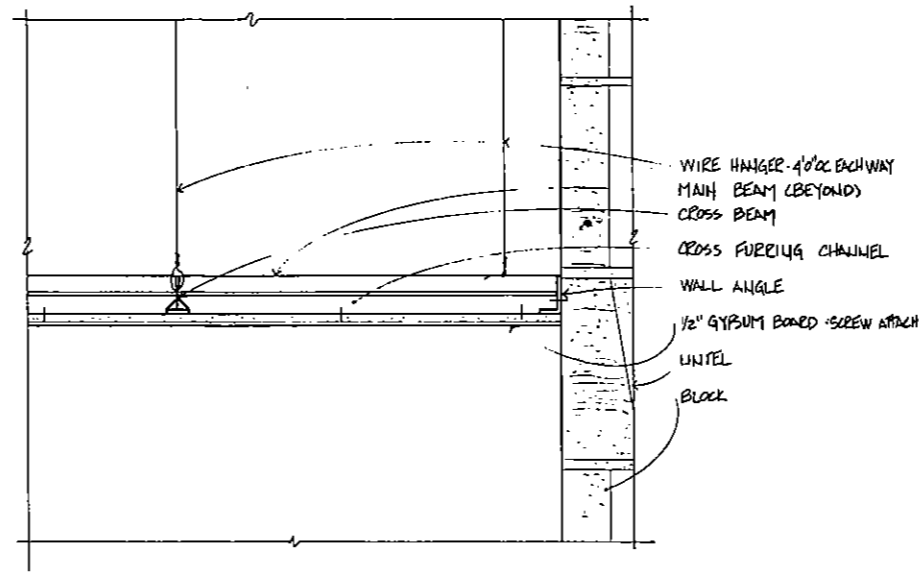
13 TYPICAL DUCT THRU ROOF  
SCALE 1 1/2":1'-0"



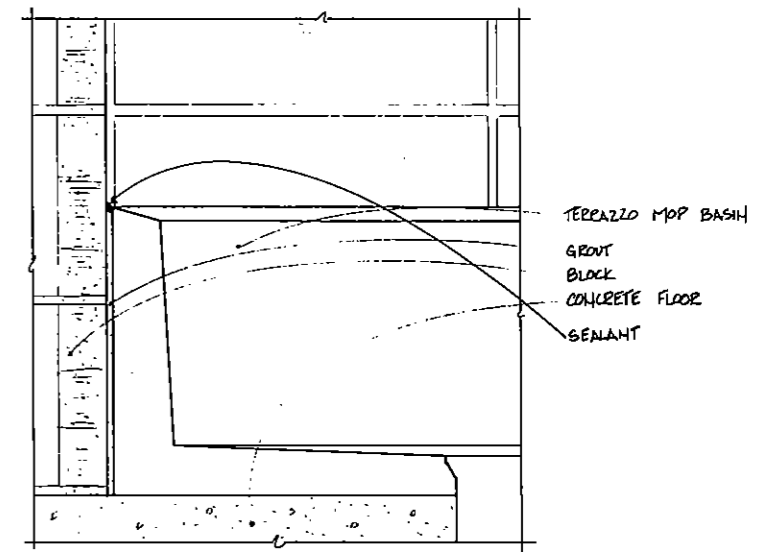
14 ROOF PEDESTAL  
SCALE 3":1'-0"



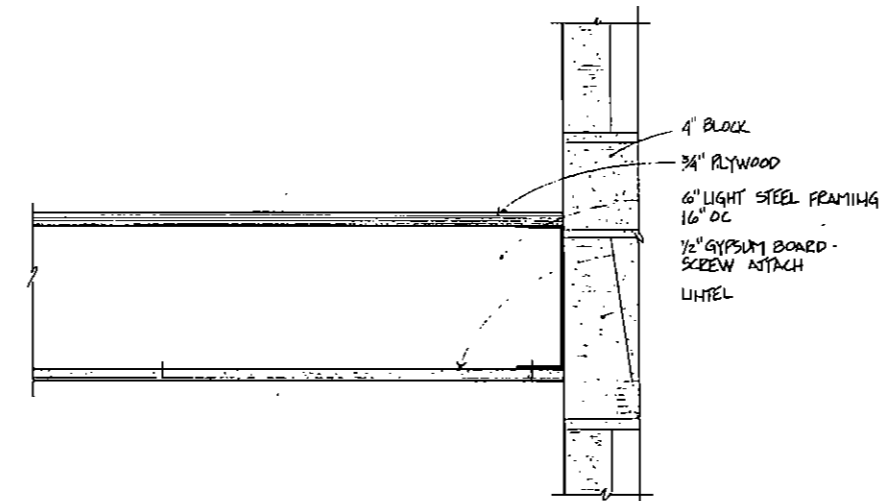
15 VANITY SINK  
SCALE 1 1/2":1'-0"



16 SUSPENDED GYPSUM BOARD CEILING  
SCALE 3":1'-0"



18 MOP BASIN DETAIL  
SCALE 3":1'-0"

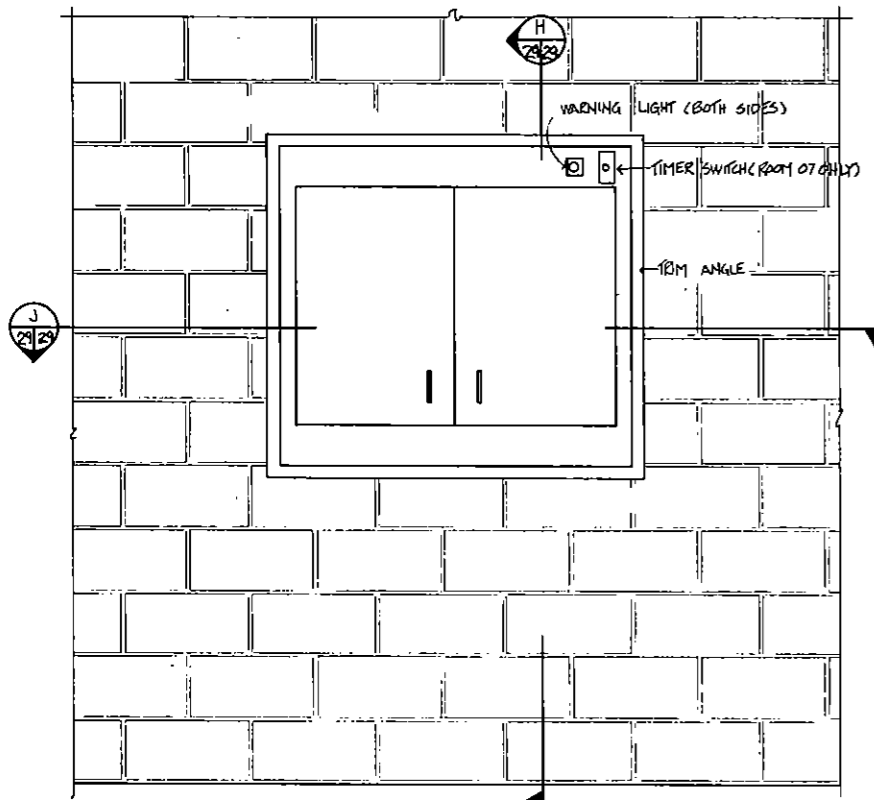


17 CORRIDOR CEILING DETAIL  
SCALE 3":1'-0"

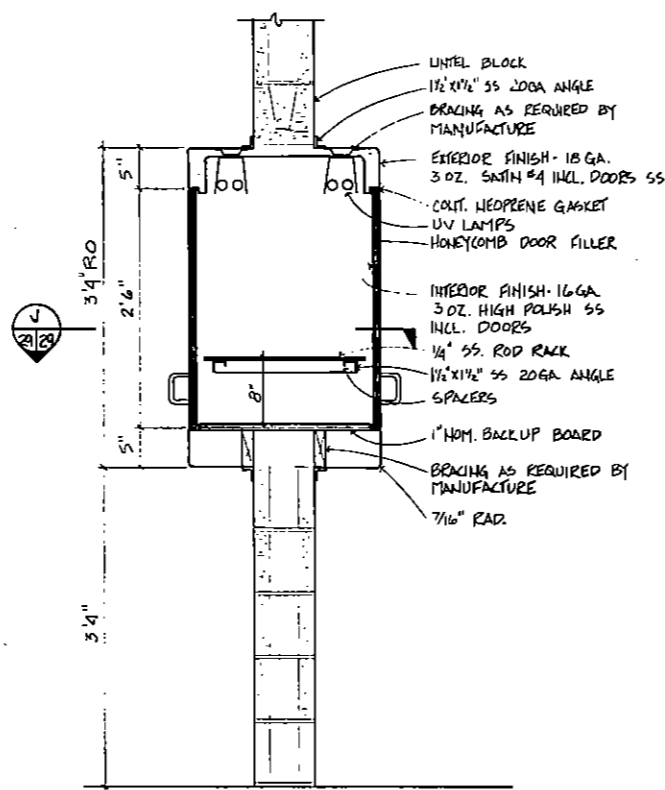


REVISION	STATUS	DATE	DESCRIPTION	BY
MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN				
MISC. DETAILS				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WRA	WRA	WBS	DEC-WI-927-385-0

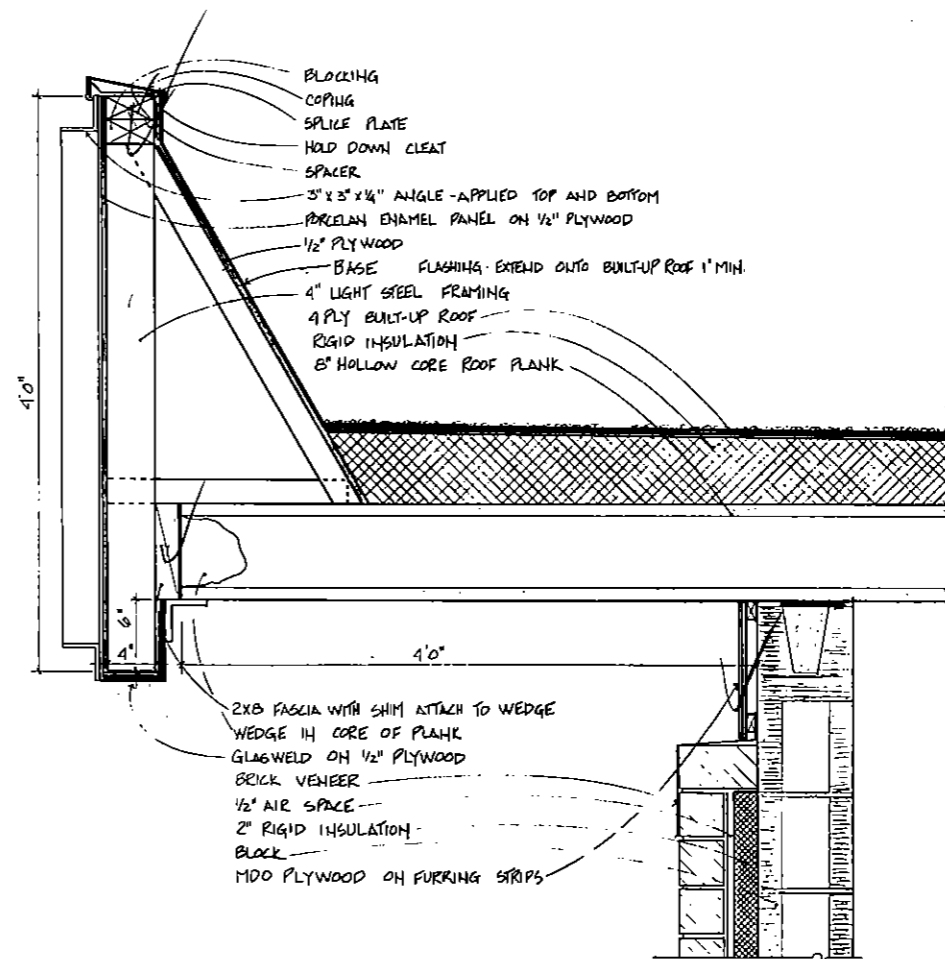
A28



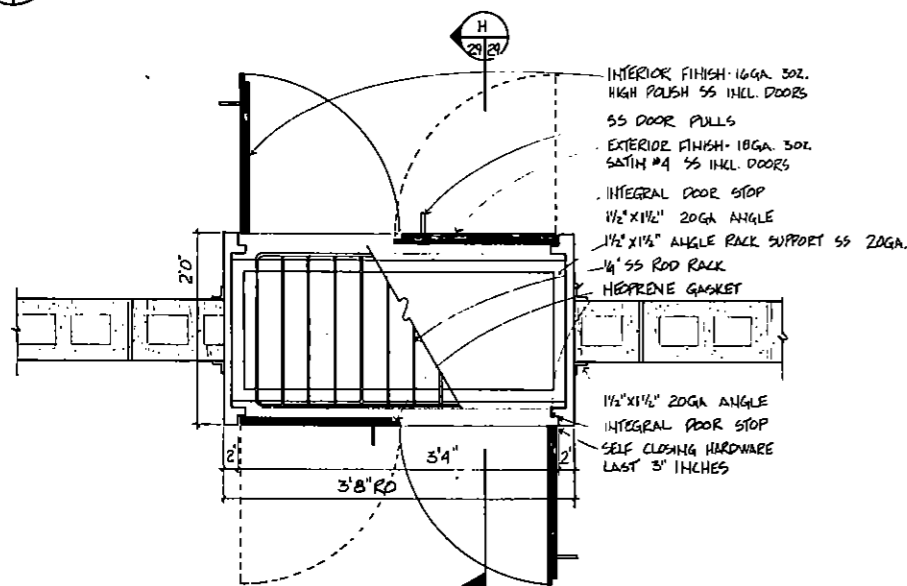
**19** PARTIAL ELEVATION-UV CHAMBER (BOTH SIDES)  
SCALE 1":1'-0"



**H** SECTION  
SCALE 1":1'-0"



**20** FASCIA DETAIL  
SCALE 1 1/2":1'-0"

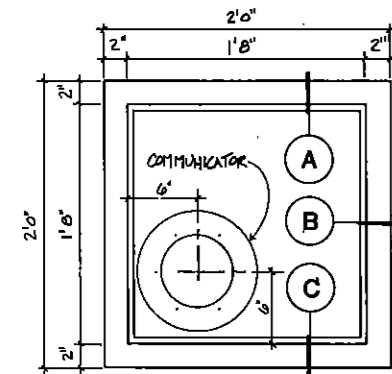


**J** SECTION  
SCALE 1":1'-0"

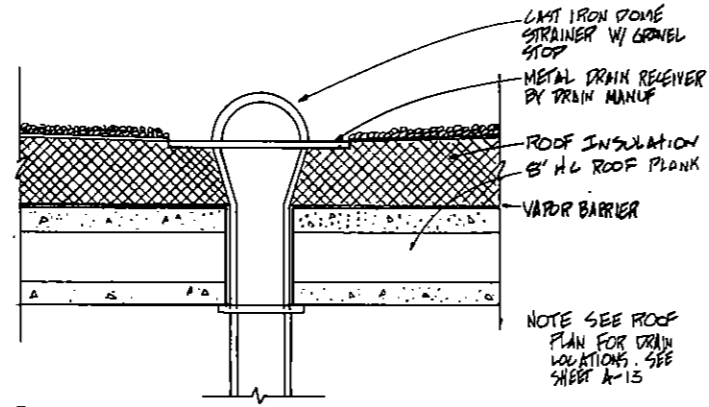


REVISION	STATUS	DATE	DESCRIPTION	BY
MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN				
DATE 7/84			DESIGNED WBS	DRAWN WRA
			CHECKED WBS	DRAWING NO. DEC-WI-927-386.0

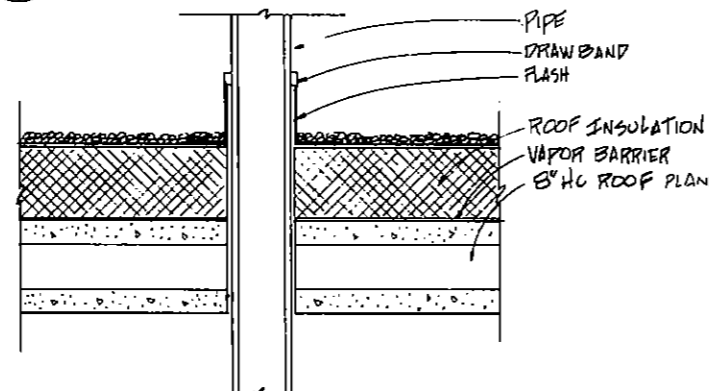
**A29**



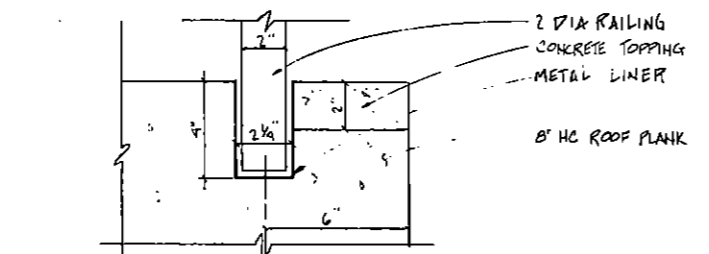
**K** INTERIOR WINDOW  
SCALE 3":1'-0"



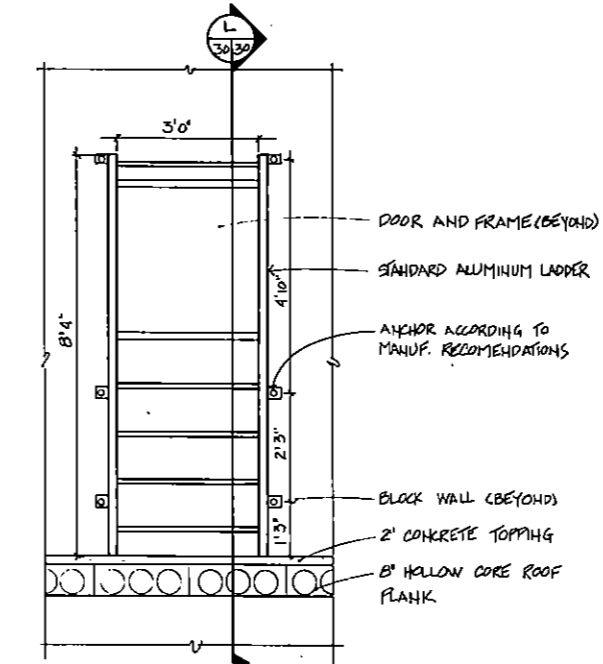
**21** ROOF DRAIN DETAIL  
SCALE 1 1/2":1'-0"



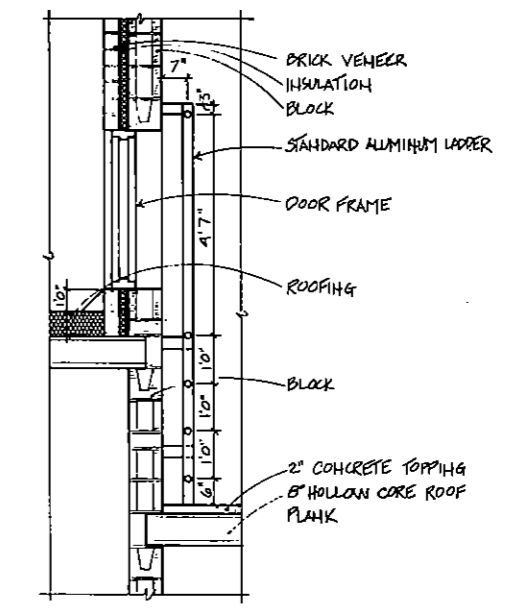
**22** CURB DETAIL-PIPE THRU ROOF  
SCALE 1 1/2":1'-0"



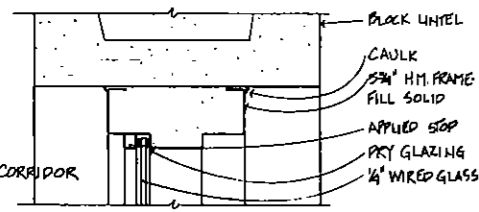
**23** RAIL SUPPORT DETAIL  
SCALE 3":1'-0"



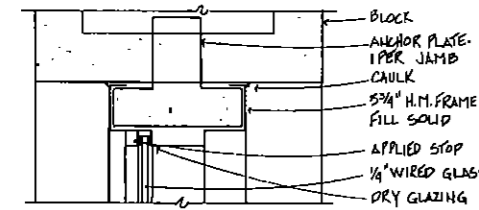
**24** LADDER ELEVATION - INTERIOR  
SCALE 1/2":1'-0"



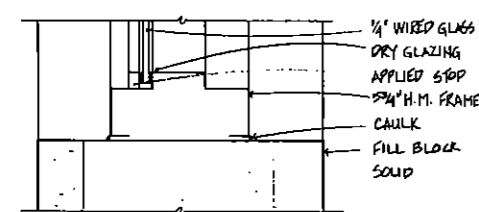
**L** LADDER SECTION  
SCALE 1/2":1'-0"



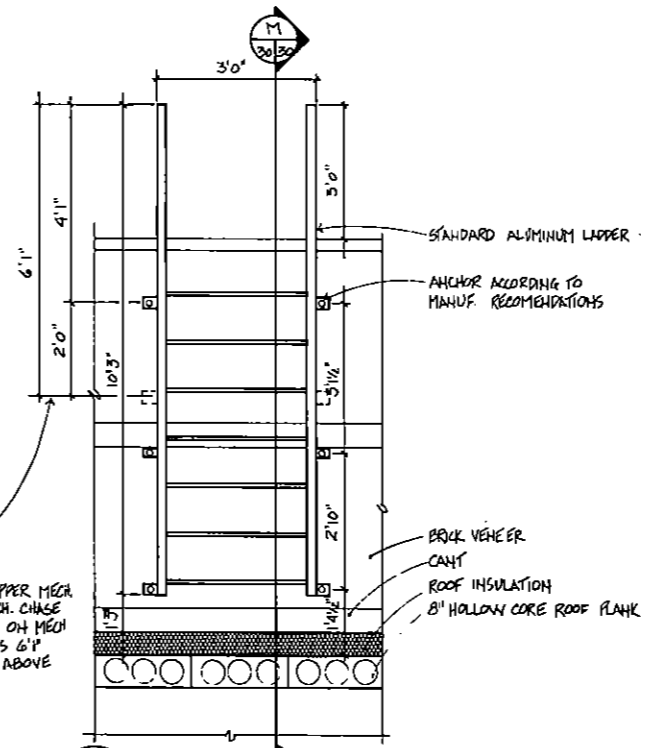
**A** HEAD  
SCALE 3":1'-0"



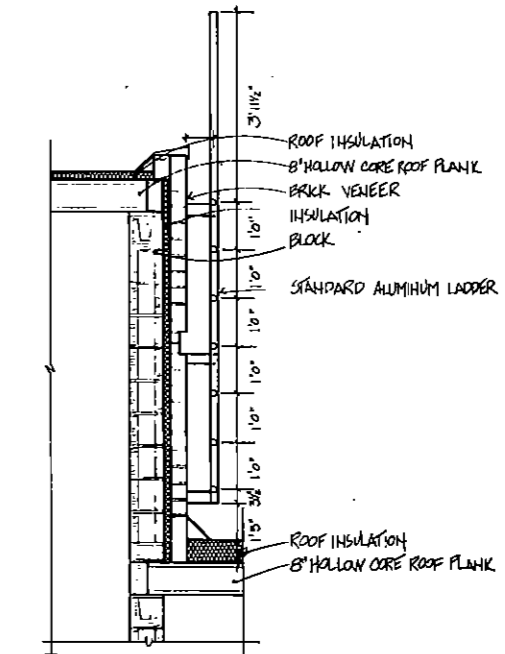
**B** JAMB  
SCALE 3":1'-0"



**C** SILL  
SCALE 3":1'-0"

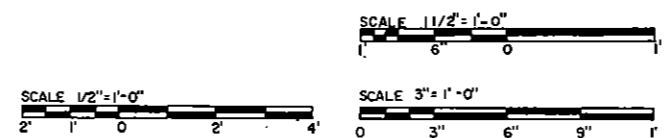


**25** LADDER ELEVATION - EXTERIOR  
SCALE 1/2":1'-0"



**M** LADDER SECTION  
SCALE 1/2":1'-0"

NOTE:  
LADDER FROM UPPER MECH.  
ROOM ROOF TO MECH. CHASE  
ROOF IS CENTERED ON MECH.  
CHASE ROOF AND IS 6'1"  
HIGH. EXTEND 3'0" ABOVE  
ROOF LINE.

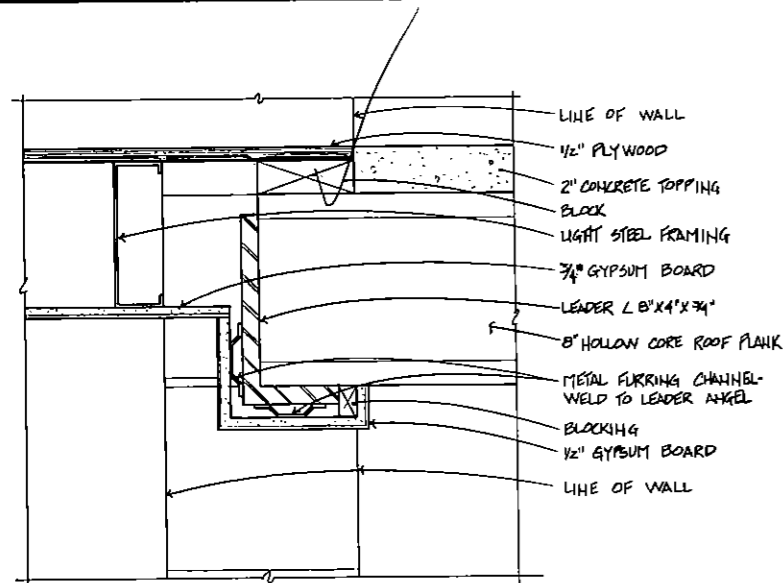


REVISION	STATUS	DATE	DESCRIPTION	BY
MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WRA	WRA	WBS	DEC-WI-927-387.0

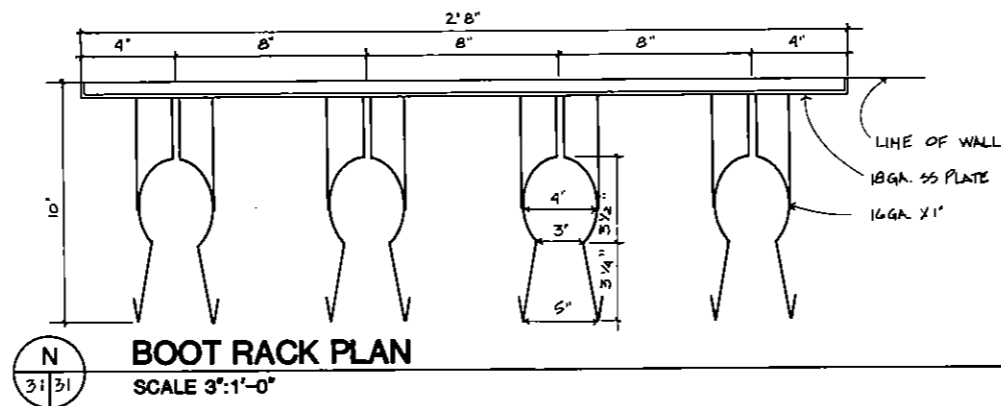
**WINDOW, LADDER AND MISC. DETAILS**

**A30**

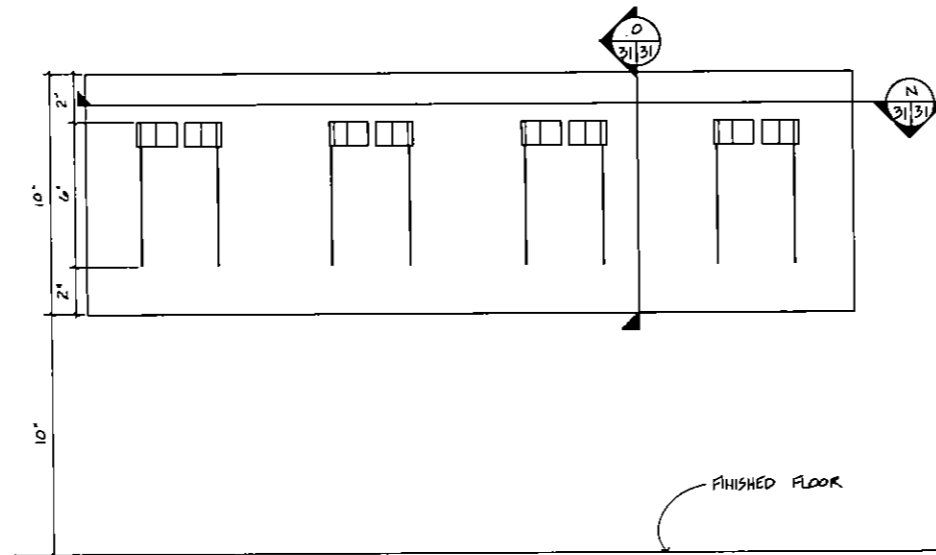




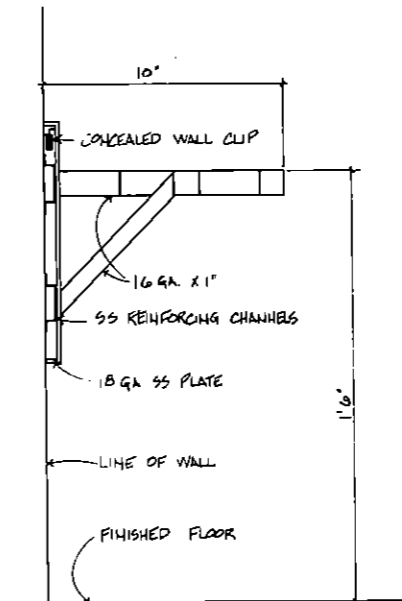
26 CEILING DETAIL  
SCALE 3":1'-0"



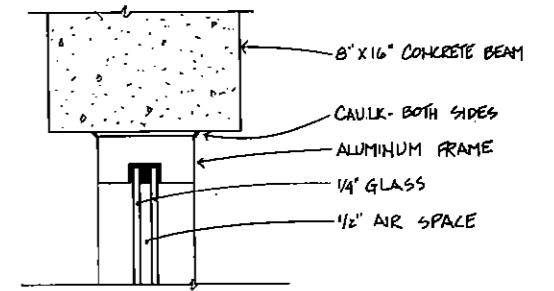
30 BOOT RACK PLAN  
SCALE 3":1'-0"



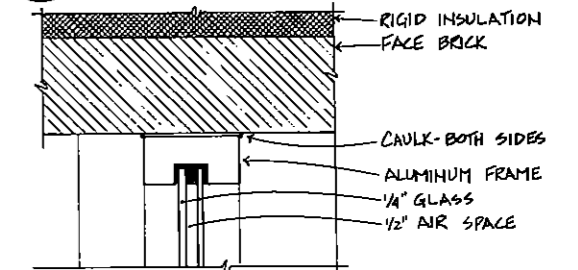
30 BOOT RACK ELEVATION  
SCALE 3":1'-0"



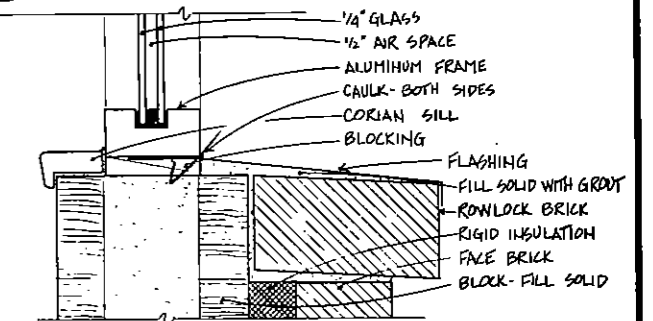
31 BOOT RACK SECTION  
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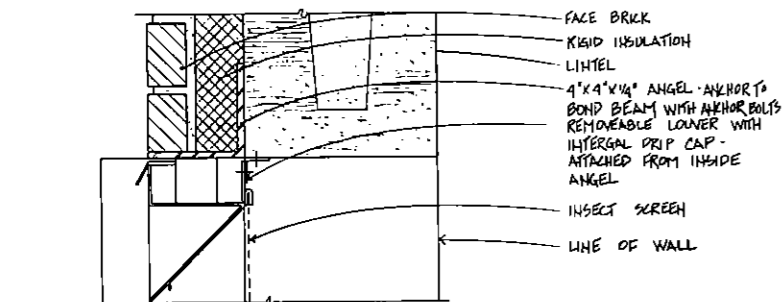
31 HEAD  
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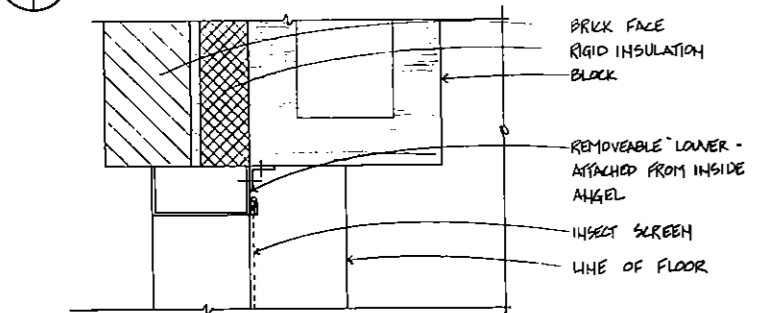
32 JAMB  
SCALE 3":1'-0"



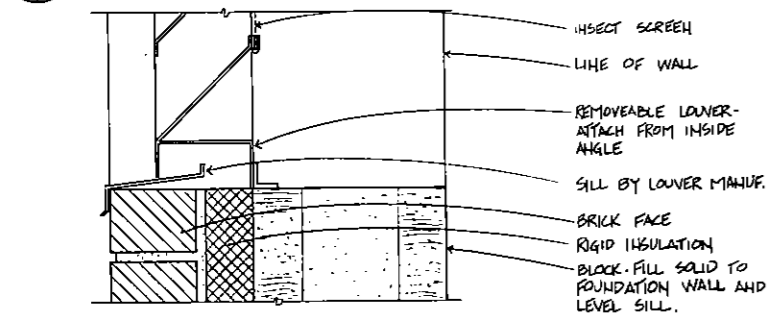
33 SILL  
SCALE 3":1'-0"



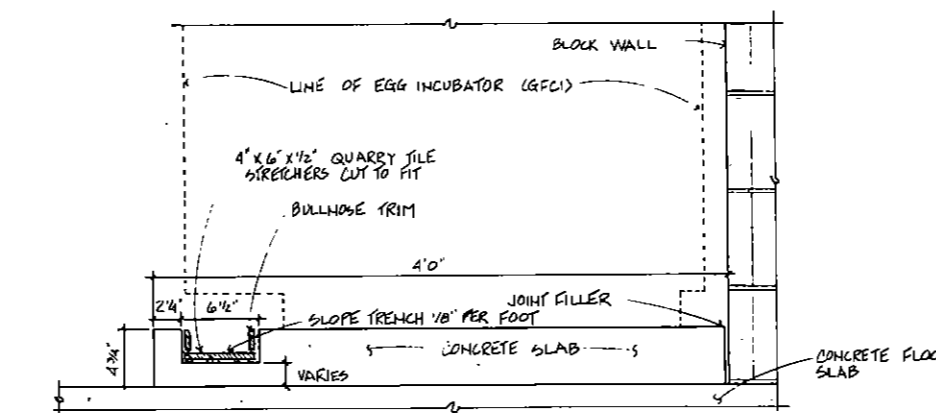
27 HEAD AT LOUVER  
SCALE 3":1'-0"



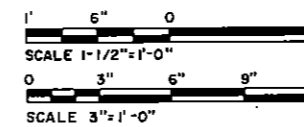
28 JAMB AT LOUVER  
SCALE 3":1'-0"



29 SILL AT LOUVER  
SCALE 3":1'-0"



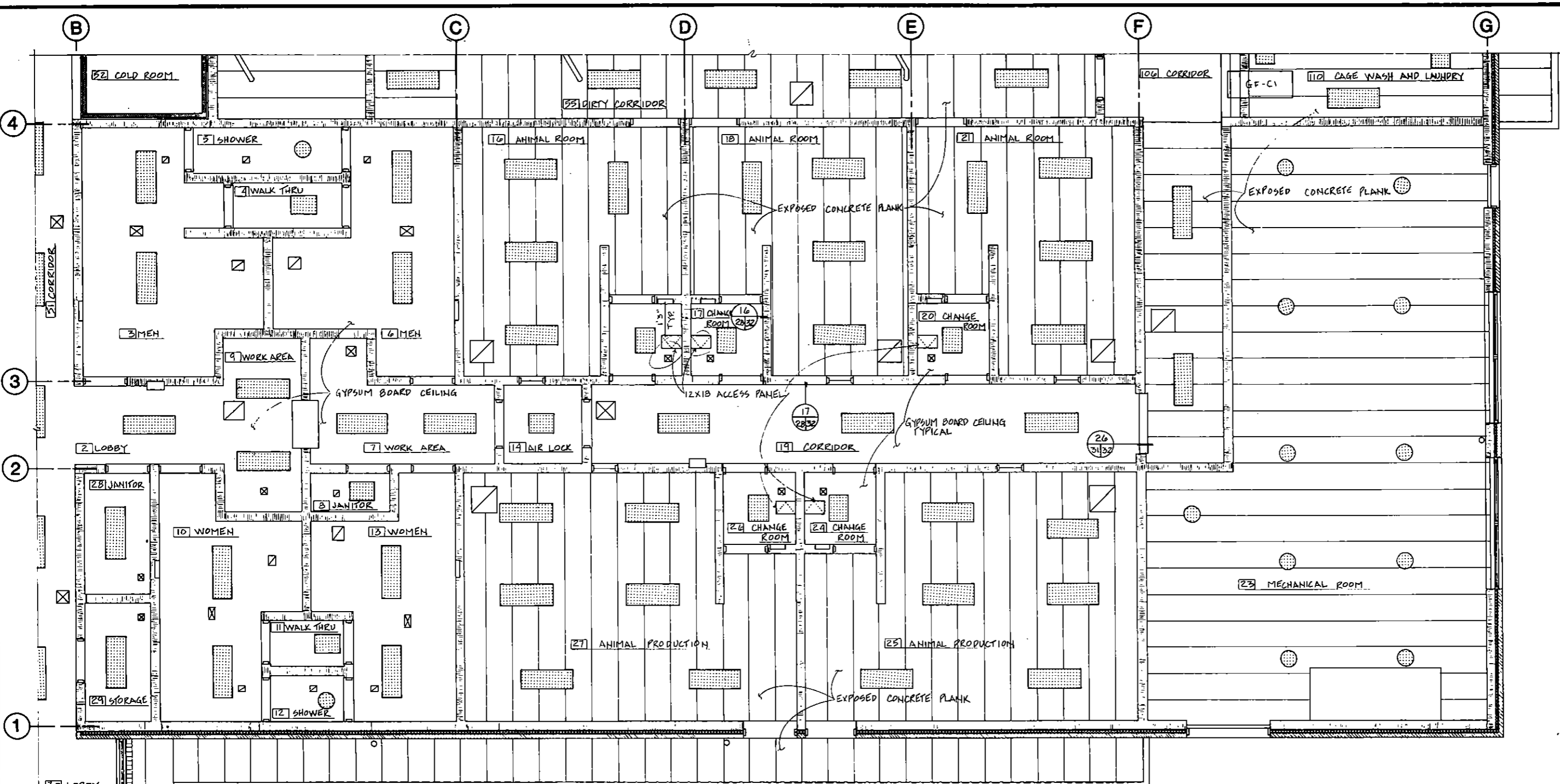
35 DRAIN TROUGH AT EGG INCUBATOR  
SCALE 1 1/2":1'-0"



REVISION	STATUS	DATE	DESCRIPTION	BY
MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WRA	WRA	WBS	DEC-WI-927-388.0

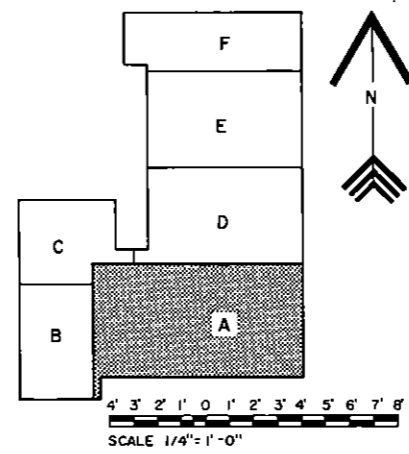
MISC: DETAILS

A31



**REFLECTED CEILING PLAN 'A'**  
SCALE 1/4"=1'-0"

*5-12-13*



■ LIGHT FIXTURES

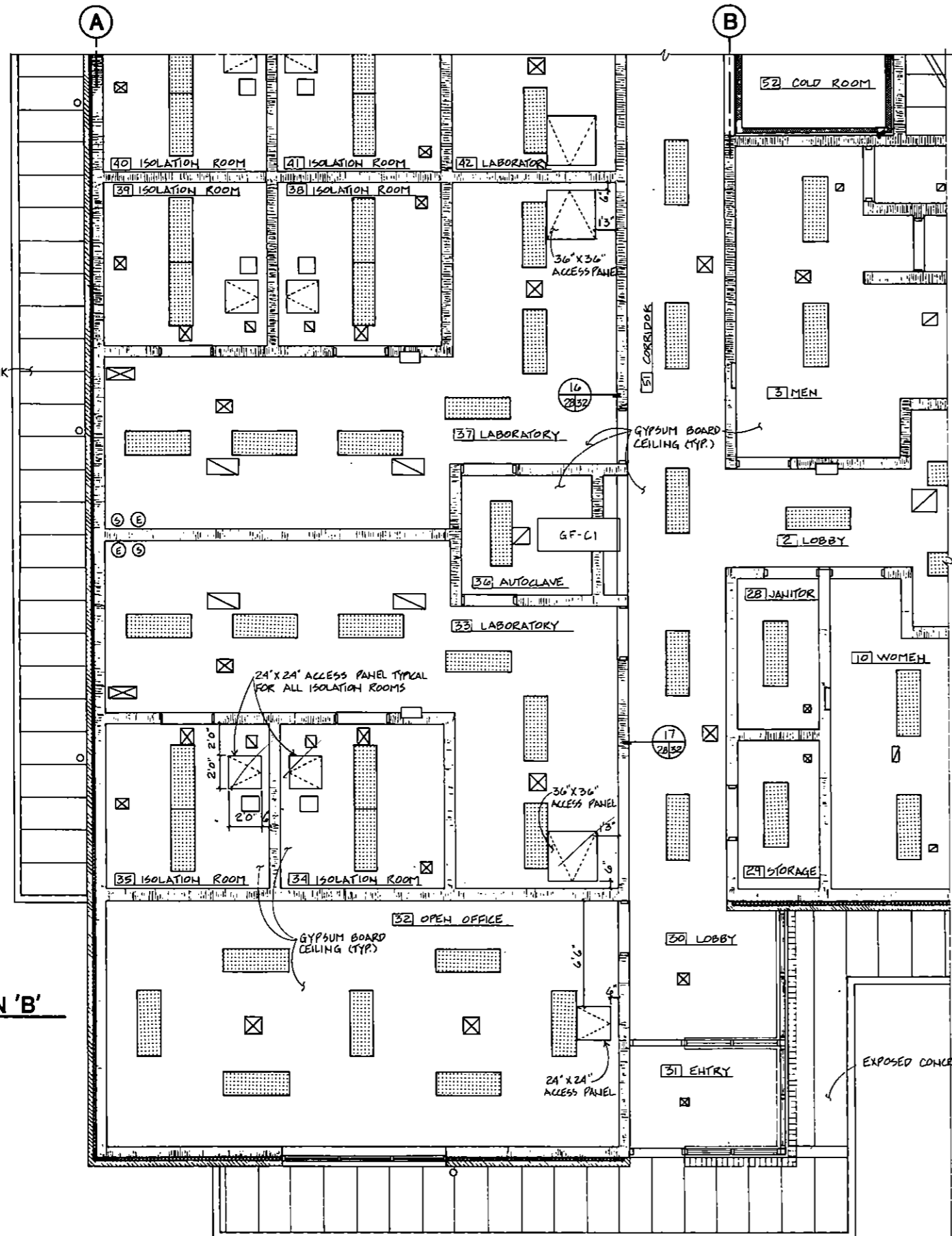
REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY  
ANIMAL ISOLATION BUILDING  
MADISON, WISCONSIN**

**REFLECTED CEILING PLAN 'A'**

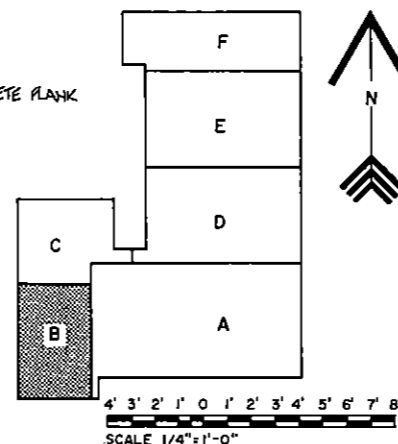
DATE 7/84	DESIGNED WRA	DRAWN WRA	CHECKED WBS	DRAWING NO. DEC-WI-927-389.6
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**A32**



**REFLECTED CEILING PLAN 'B'**  
SCALE 1/4"=1'-0"

2 24 x 24  
3 36 x 36



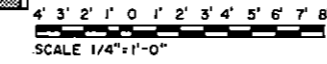
■ LIGHT FIXTURES

REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING, MADISON, WISCONSIN**

**REFLECTED CEILING PLAN 'B'**

DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WRA	WRA	WBS	DEC-WI-927-390.0



**A33**

8

A

B

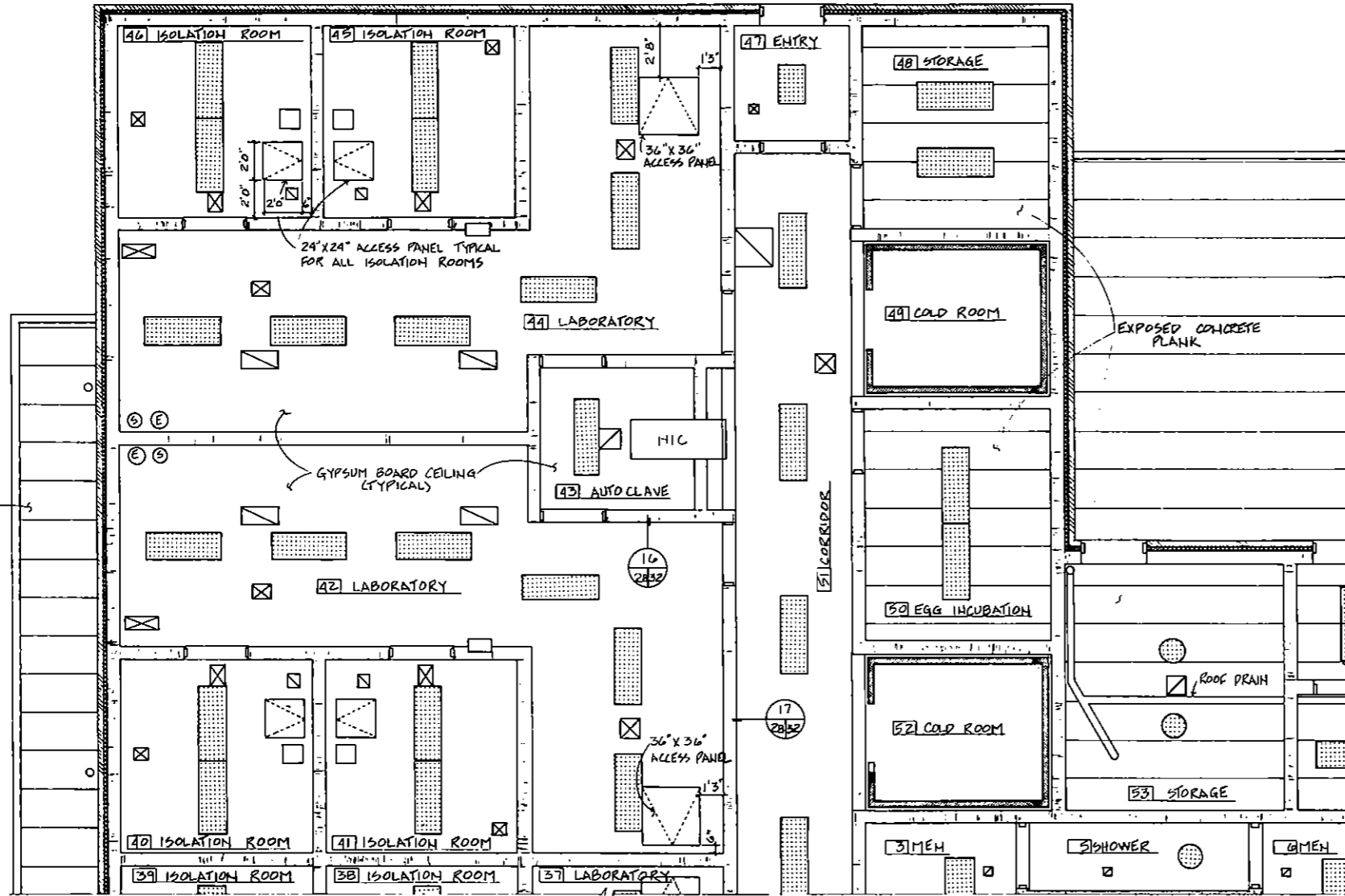
7

6

5

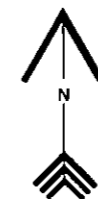
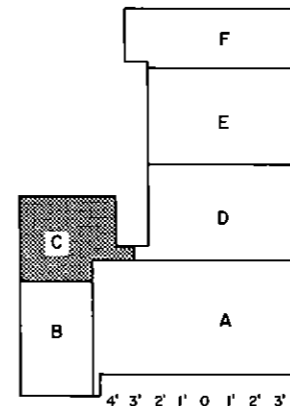
4

EXPOSED CONCRETE PLANK



**REFLECTED CEILING PLAN 'C'**  
SCALE 1/4"=1'-0"

2 - 24 x 24  
2 - 36 x 36



LIGHT FIXTURES

SCALE 1/4"=1'-0"

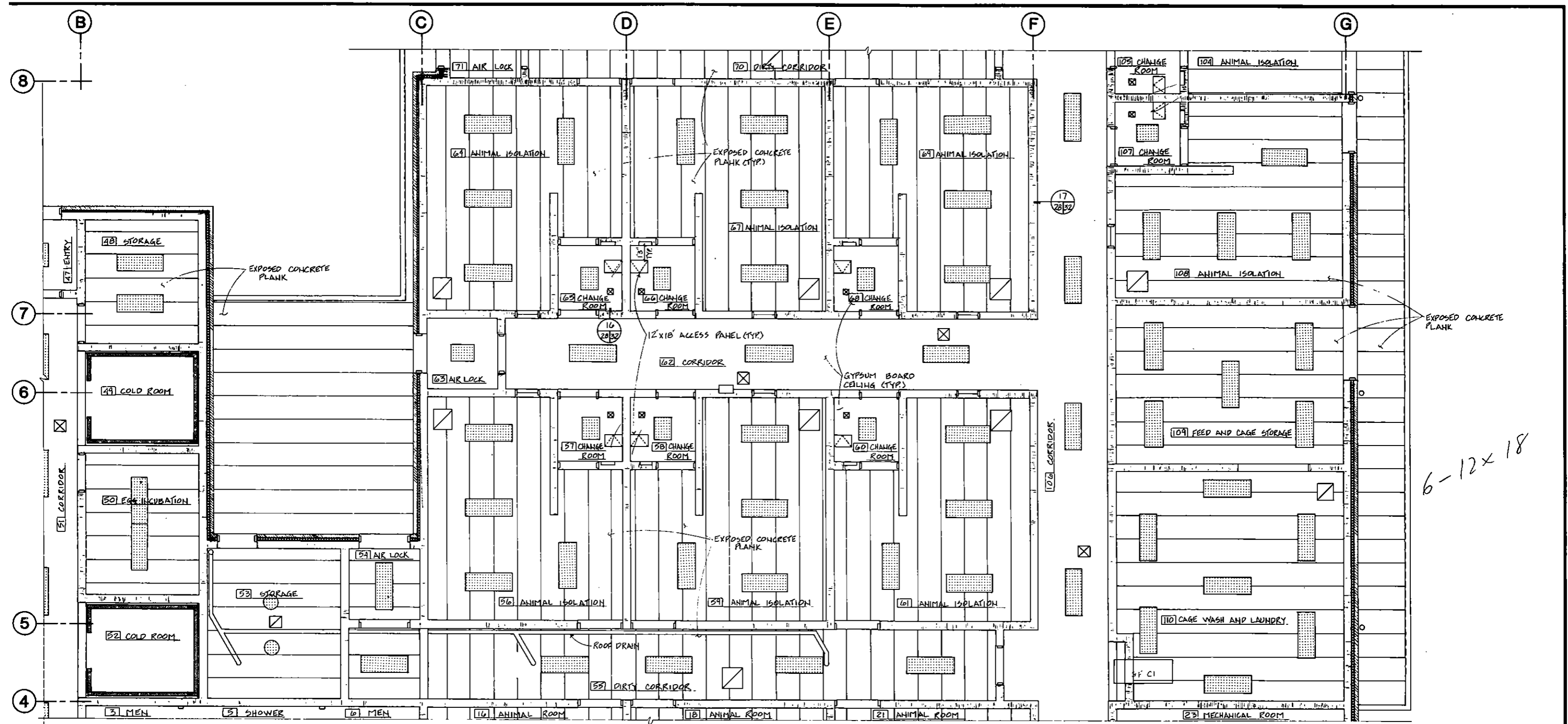
REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN**

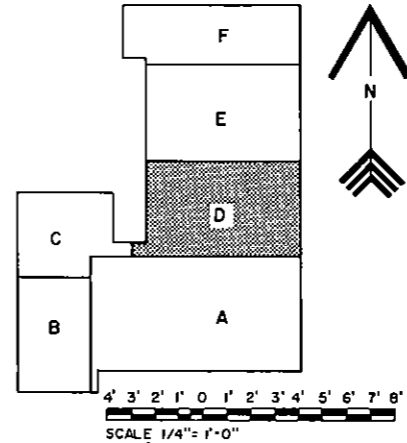
**REFLECTED CEILING PLAN 'C'**

DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WRA	WRA	WBS	DEC-WI-927-391.0

**A34**



**REFLECTED CEILING PLAN 'D'**  
SCALE 1/4"=1'-0"



N  
↑  
LIGHT FIXTURES

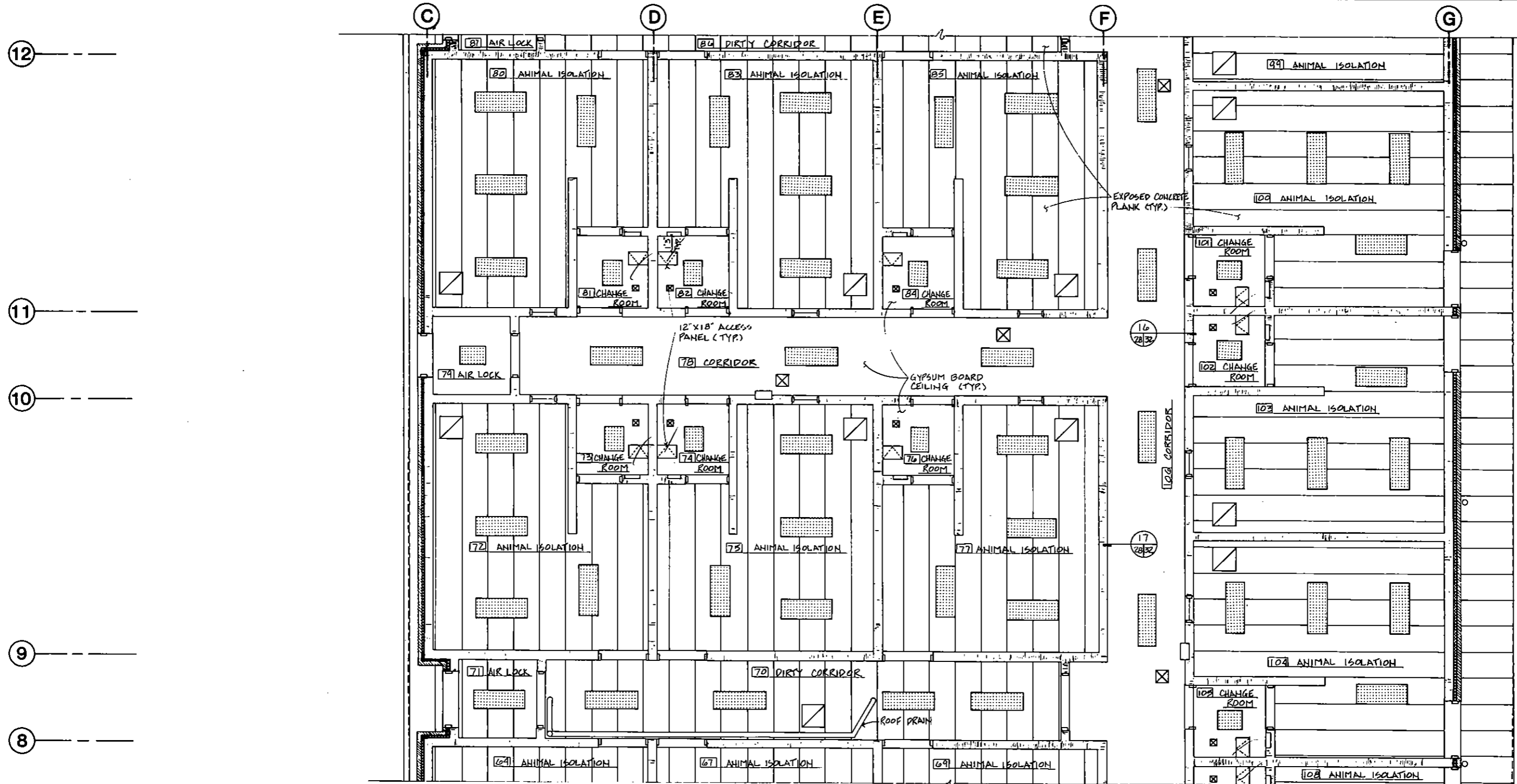
REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY  
ANIMAL ISOLATION BUILDING  
MADISON, WISCONSIN**

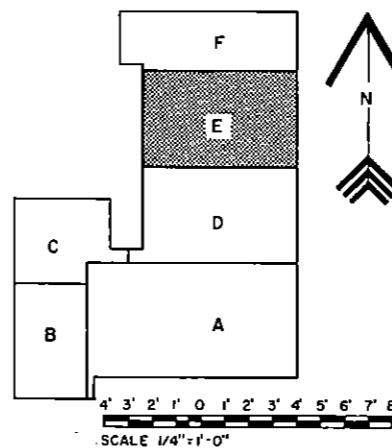
**REFLECTED CEILING PLAN 'D'**

DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WRA	WRA	WBS	DEC-WI-927-392.0

A35



**REFLECTED CEILING PLAN 'E'**  
SCALE 1/4"=1'-0"



 LIGHT FIXTURES

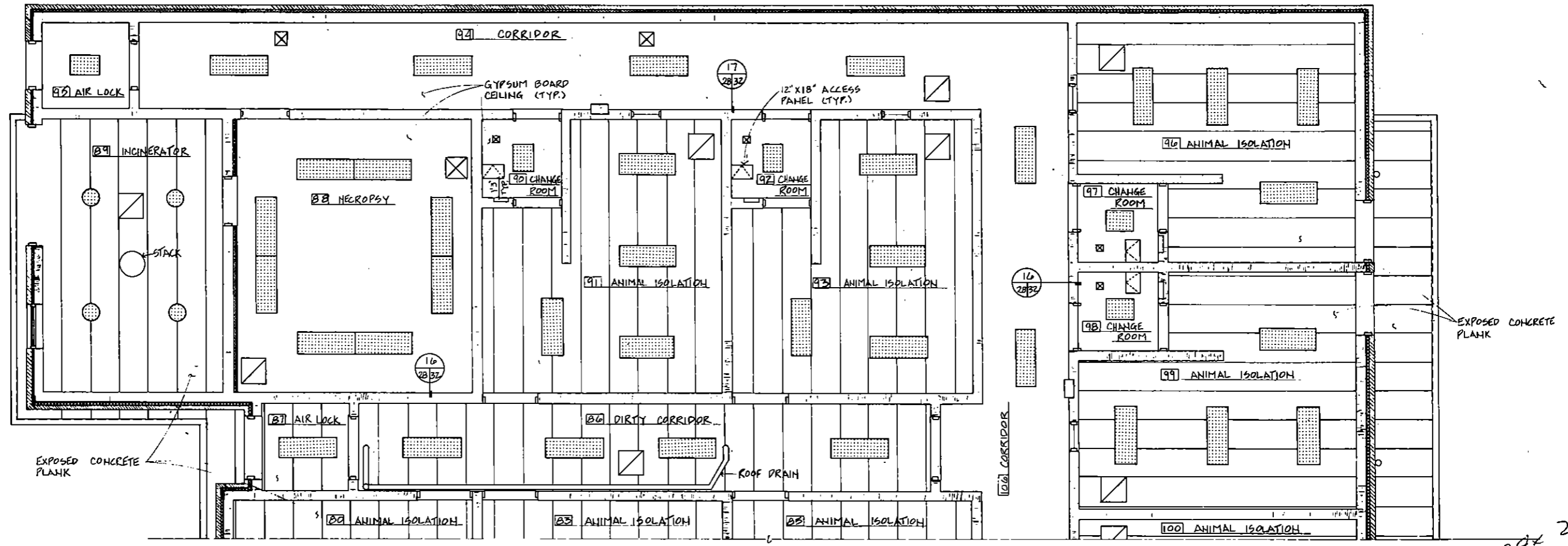
*8/ 12x18*

REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING, MADISON, WISCONSIN</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WRA	WRA	WBS	DEC-WI-927-393.0

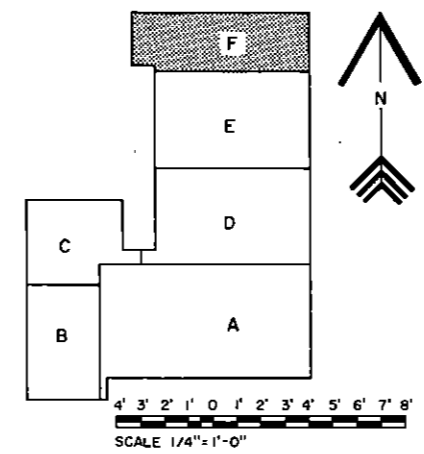
**A36**

C D E F G

15  
14  
13  
12



**REFLECTED CEILING PLAN 'F'**  
SCALE 1/4"=1'-0"



■ LIGHT FIXTURES

8-24x24  
5-36x36  
17-12x18  
23

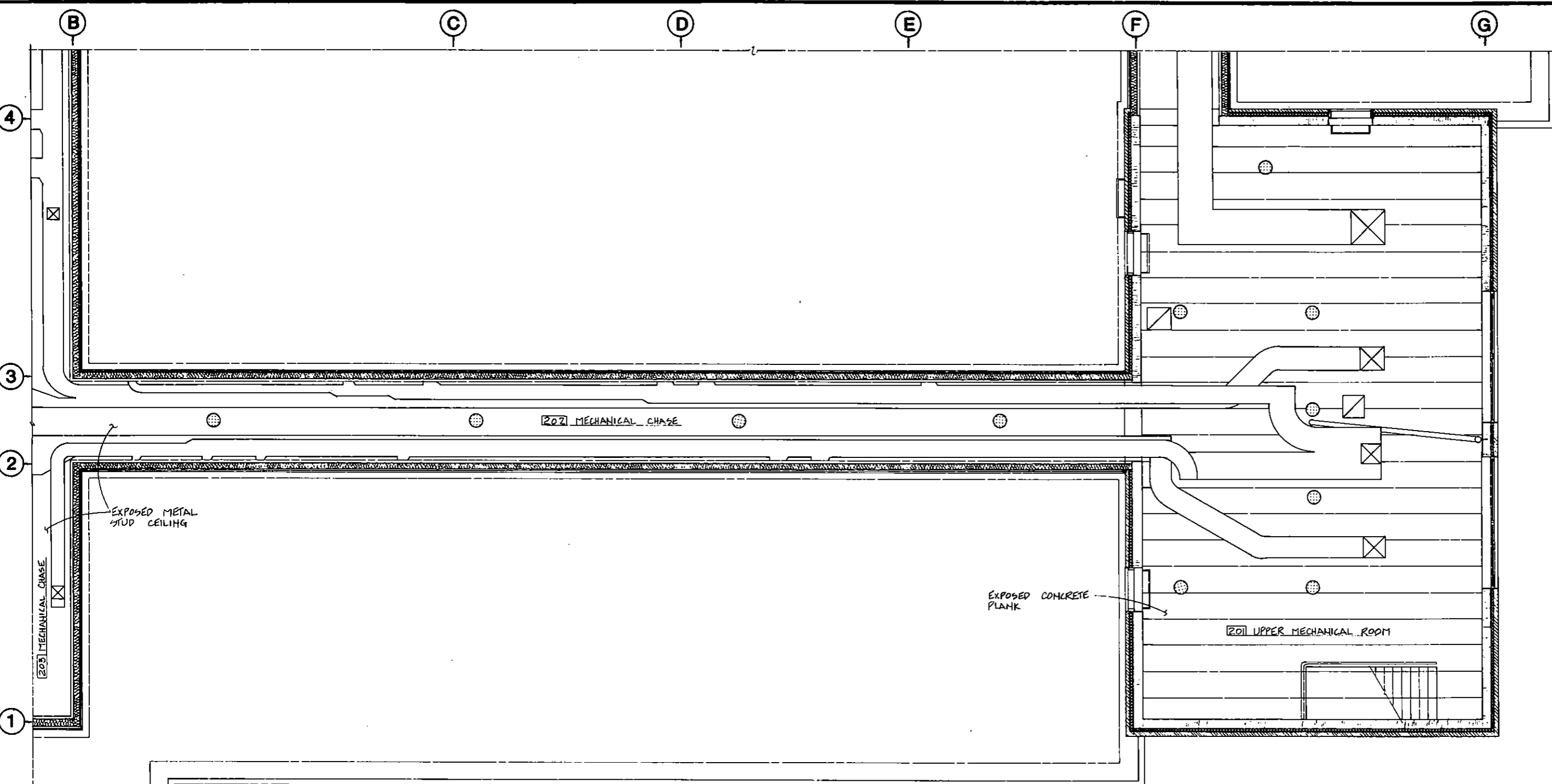
REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY  
ANIMAL ISOLATION BUILDING  
MADISON, WISCONSIN**

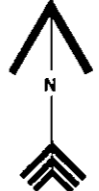
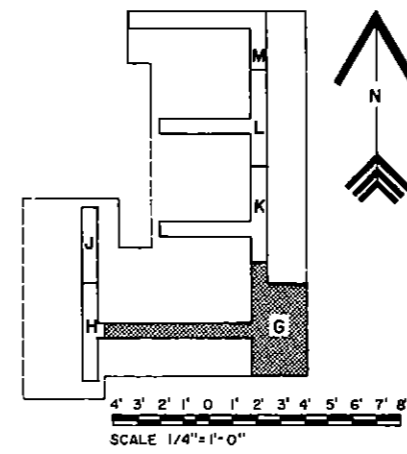
**REFLECTED CEILING PLAN 'F'**

DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WRA	WRA	WBS	DEC-WI-927-394.0

**A37**



**REFLECTED CEILING PLAN 'G'**  
SCALE 1/4"=1'-0"

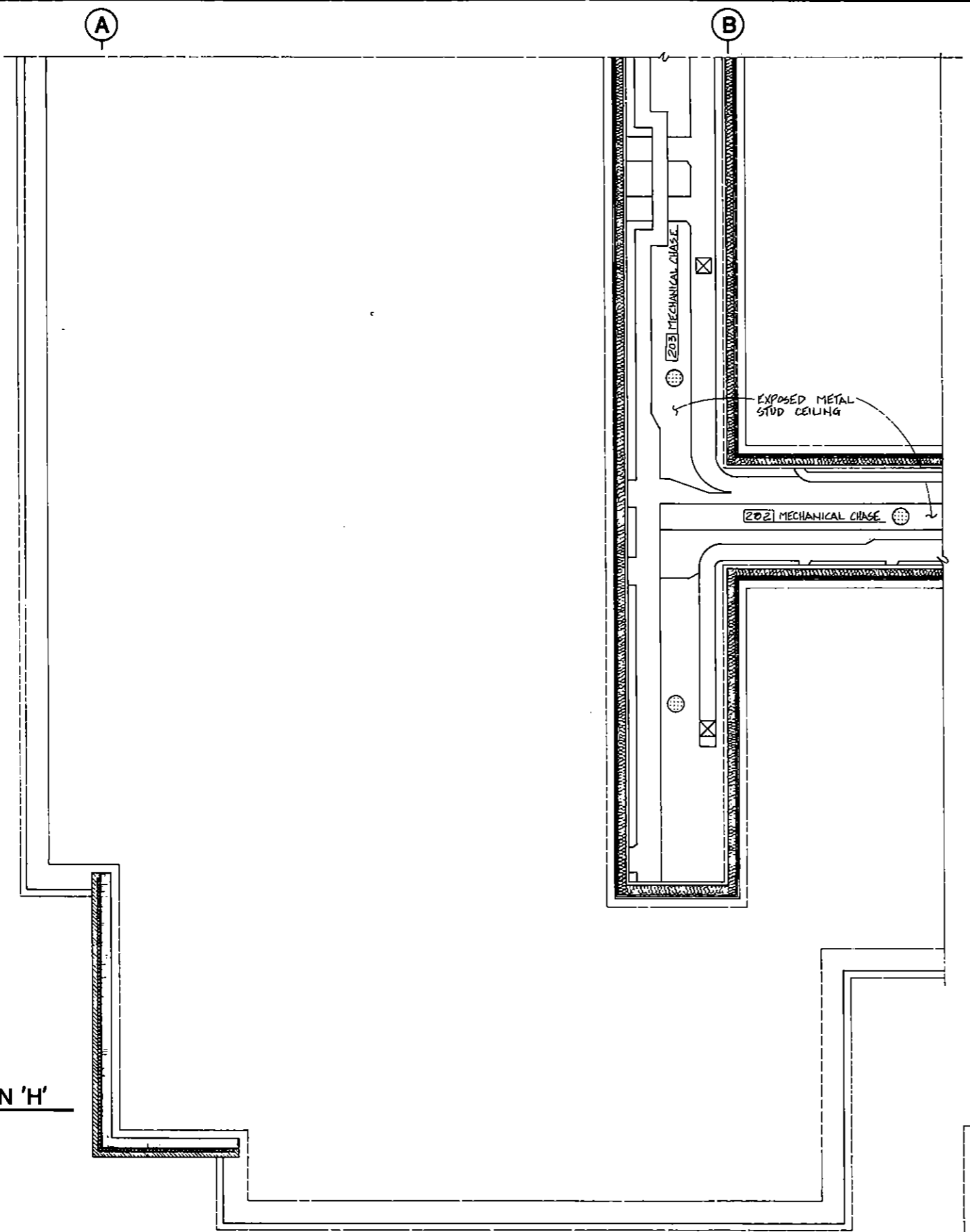


LIGHT FIXTURES

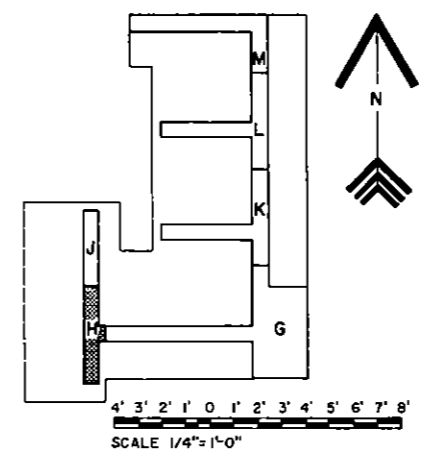
REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WRA	WRA	WBS	DEC-WI-927-395.0

**A38**





**REFLECTED CEILING PLAN 'H'**  
SCALE 1/4"=1'-0"



LIGHT FIXTURES

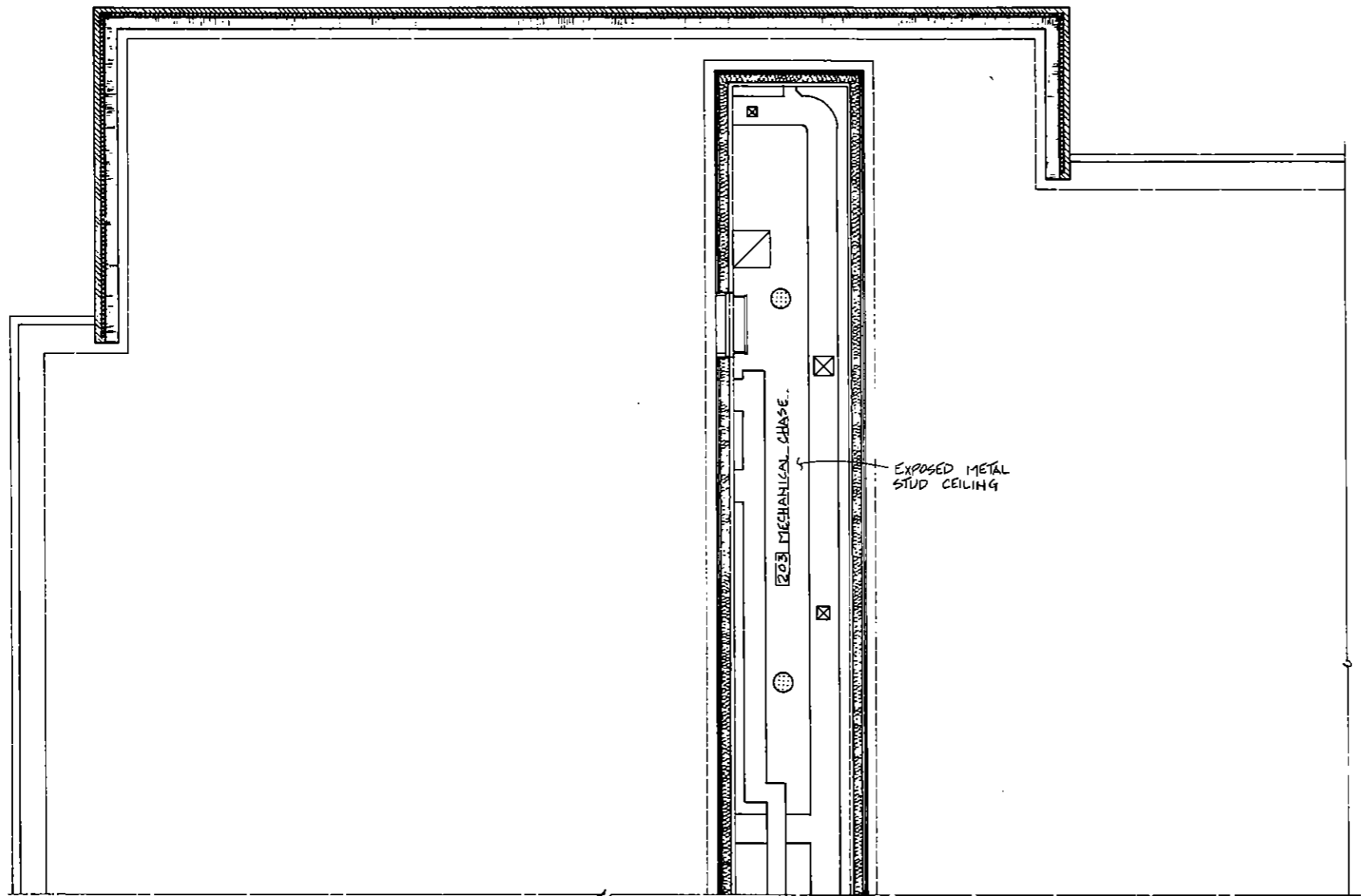
REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				<b>REFLECTED CEILING PLAN 'H'</b>
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WRA	WRA	WBS	DEC-WI-927-396.0

**A39**

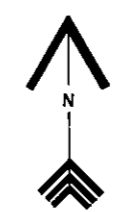
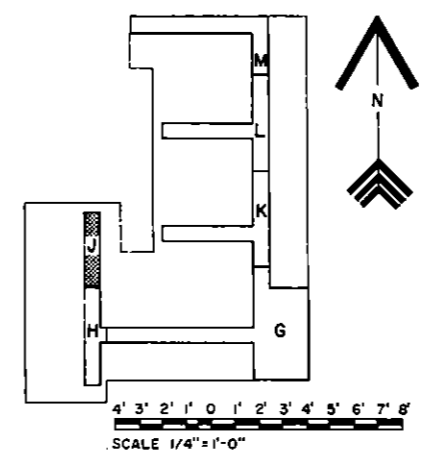
8  
7  
6  
5  
4

A

B



**REFLECTED CEILING PLAN 'J'**  
SCALE 1/4"=1'-0"



LIGHT FIXTURES

REVISION	STATUS	DATE	DESCRIPTION	BY

MADISON NATIONAL WILDLIFE HEALTH LABORATORY		<b>REFLECTED CEILING PLAN 'J'</b>		
ANIMAL ISOLATION BUILDING				
MADISON, WISCONSIN		DATE	CHECKED	DRAWING NO.
7/84	WRA	WRA	WBS	DEC-WI-927-397.0

**A40**

B C D E F G

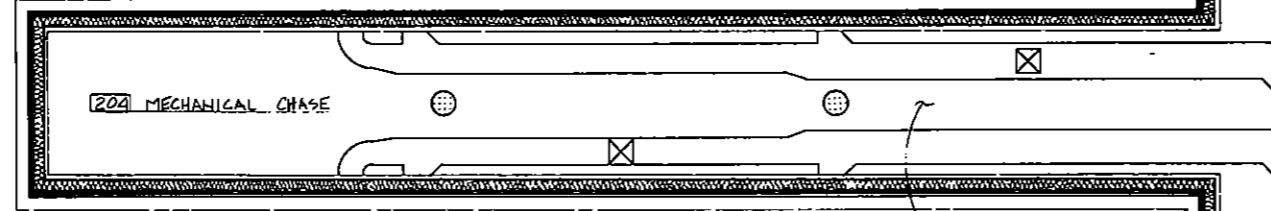
8

7

6

5

4



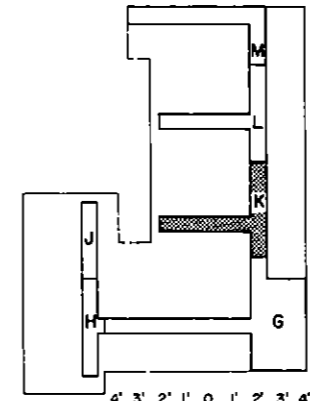
203 MECHANICAL CHASE

204 MECHANICAL CHASE

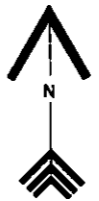
207 MECHANICAL CHASE

EXPOSED METAL STUD CEILING

**REFLECTED CEILING PLAN 'K'**  
SCALE 1/4"=1'-0"



SCALE 1/4"=1'-0"



LIGHT FIXTURES

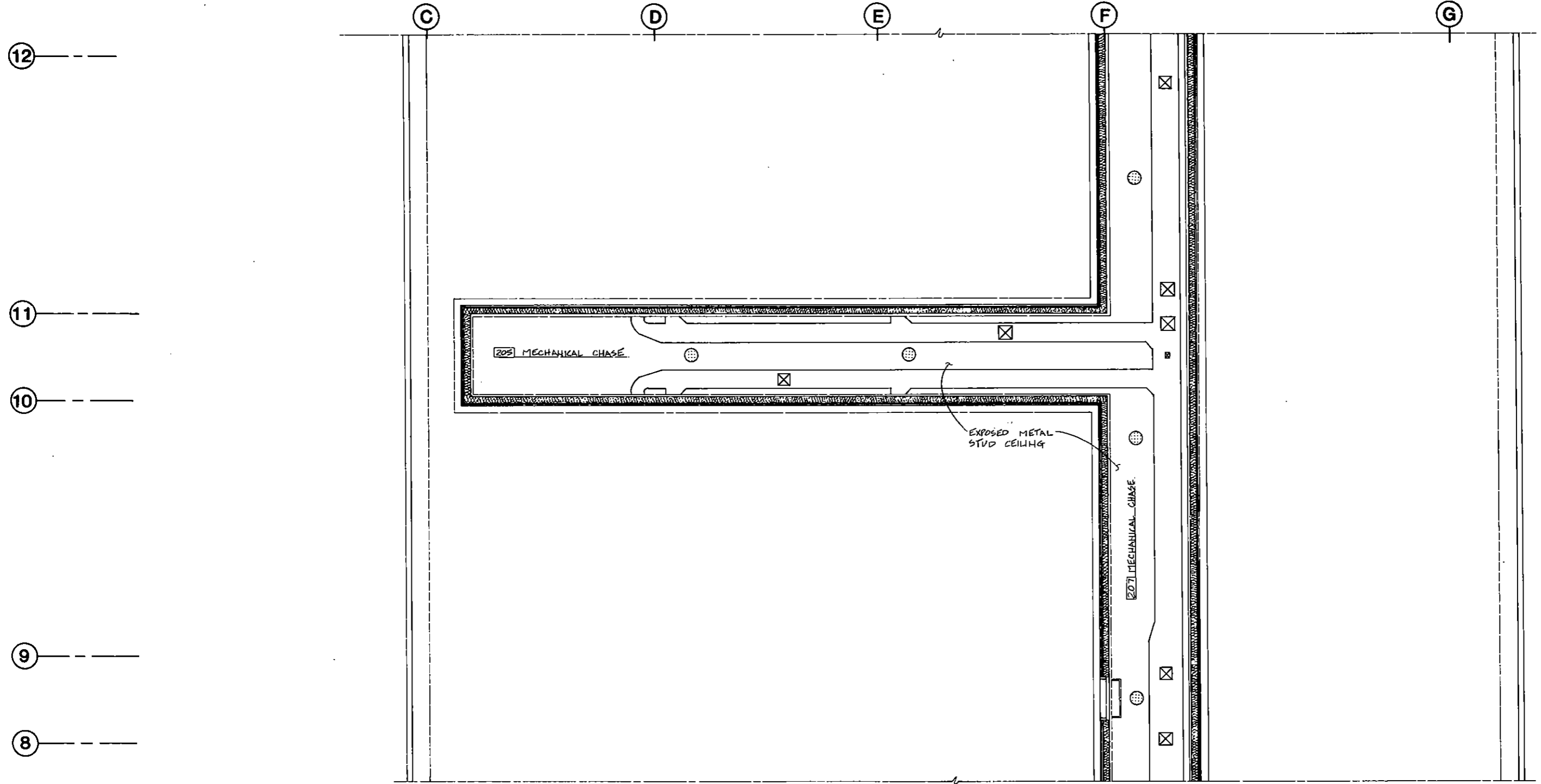
REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING, MADISON, WISCONSIN**

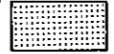
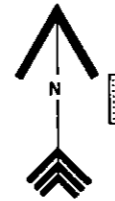
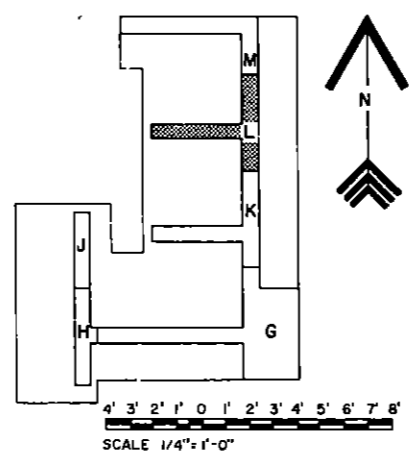
**REFLECTED CEILING PLAN 'K'**

DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WRA	WRA	WBS	DEC-WI-927-398.0

**A41**



**REFLECTED CEILING PLAN 'L'**  
SCALE 1/4"=1'-0"



LIGHT FIXTURES

REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN**

**REFLECTED CEILING PLAN 'L'**

DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO
7/84	WRA	WRA	WBS	DEC-WI-927-399.0

**A42**

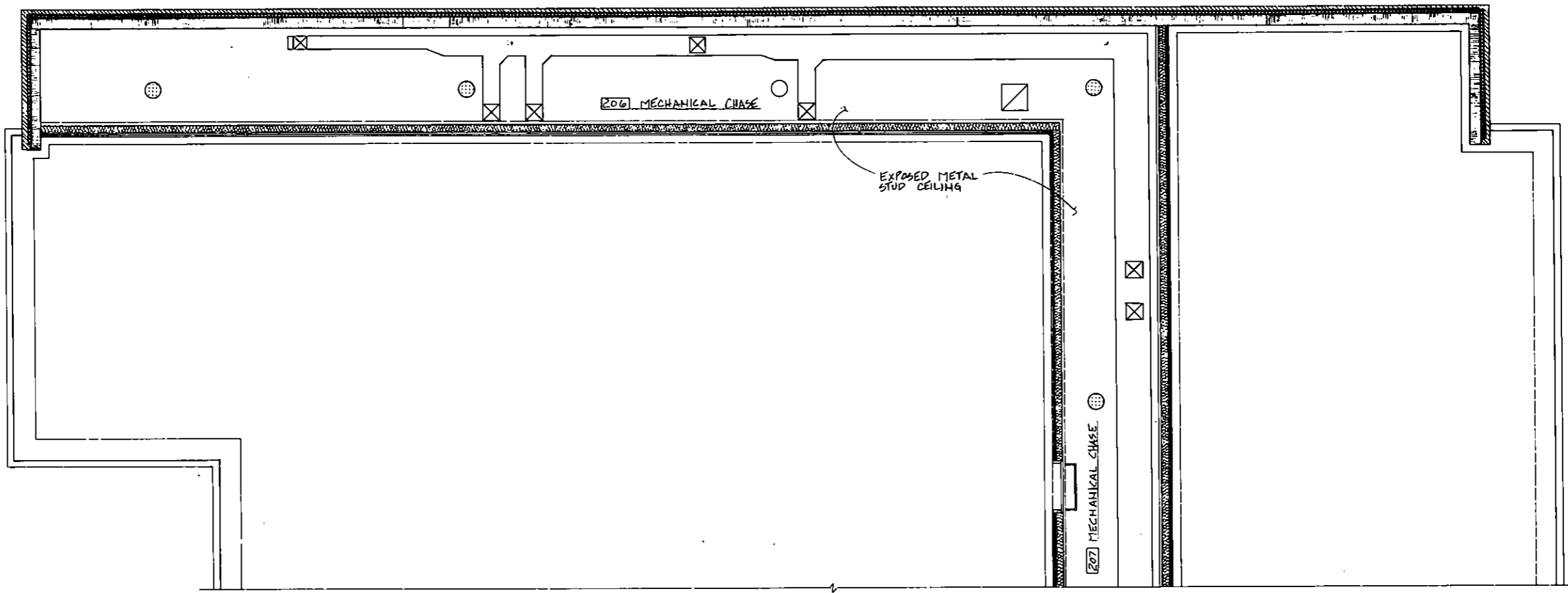
C D E F G

15

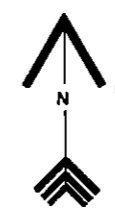
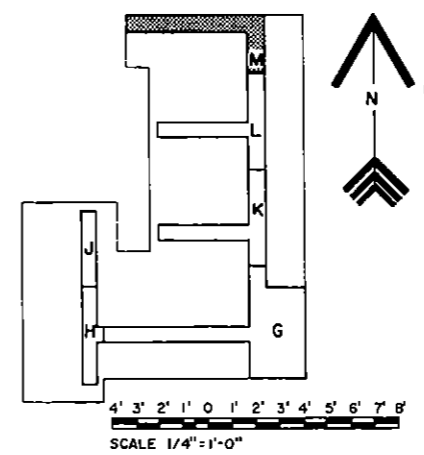
14

13

12



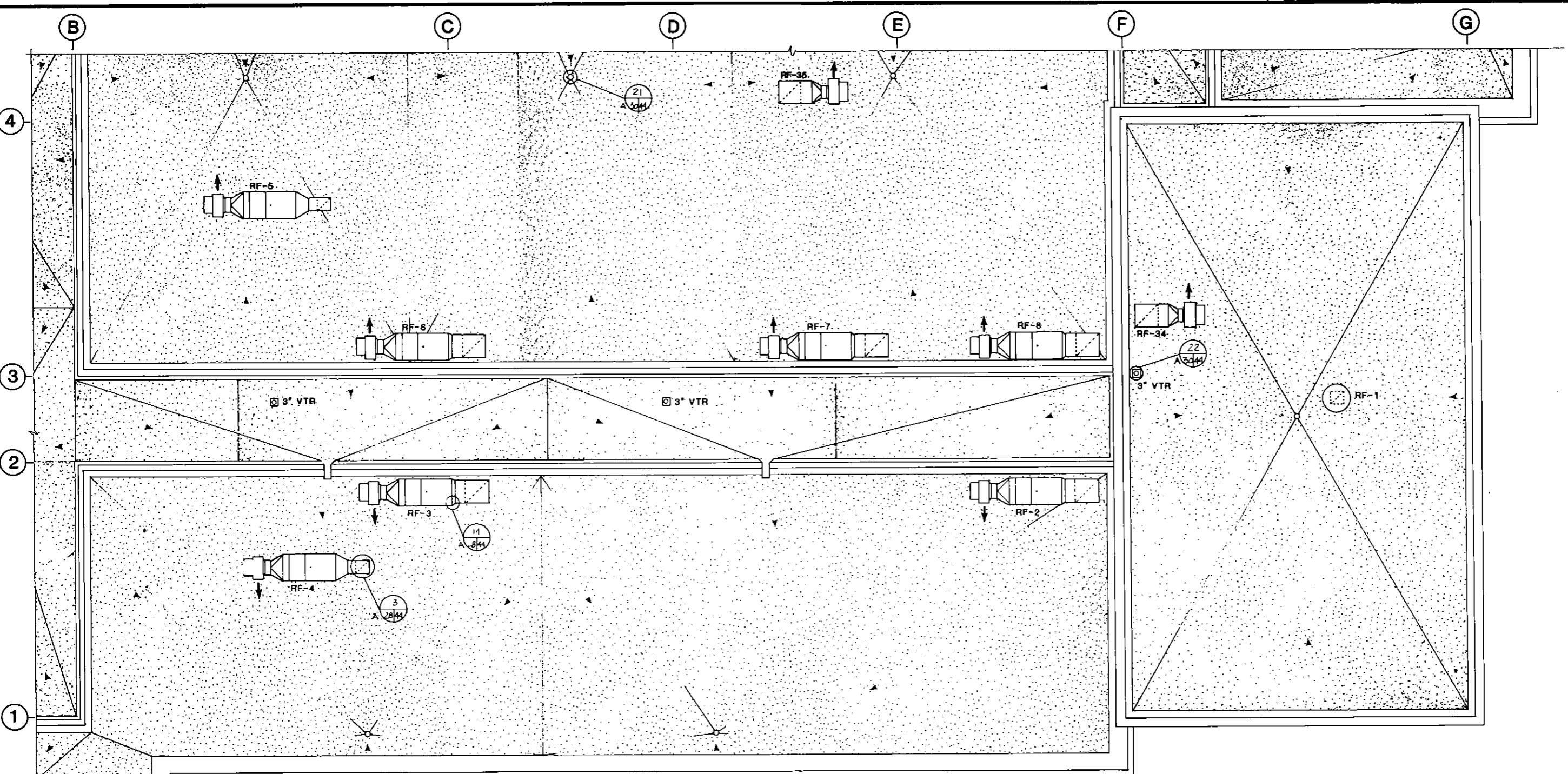
**REFLECTED CEILING PLAN 'M'**  
SCALE 1/4"=1'-0"



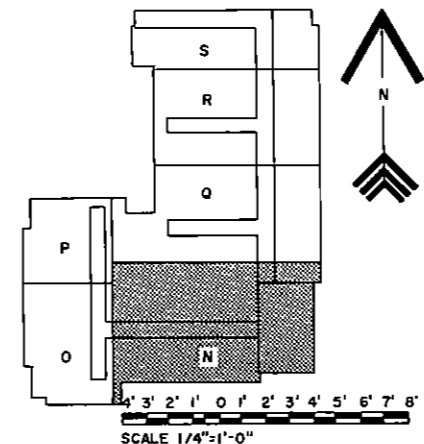
LIGHT FIXTURES

REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				<b>REFLECTED CEILING PLAN 'M'</b>
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO
7/84	WRA	WRA	WBS	DEC-WI-927-400.0

**A43**



**ROOF PLAN 'N'**  
SCALE 1/4"=1'-0"



REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WRA	WRA	WBS	DEC-WI-927-401.0

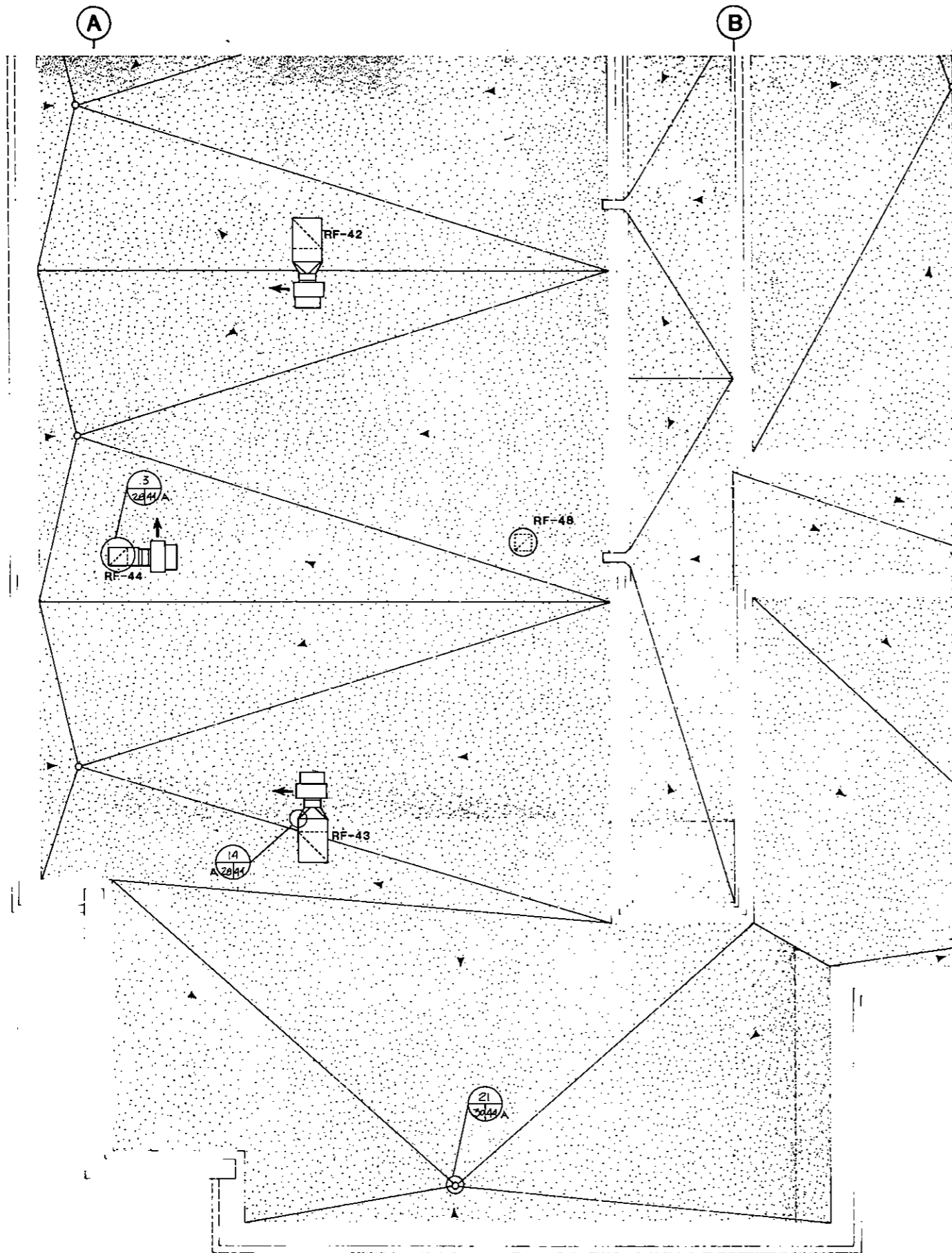
**A44**

4

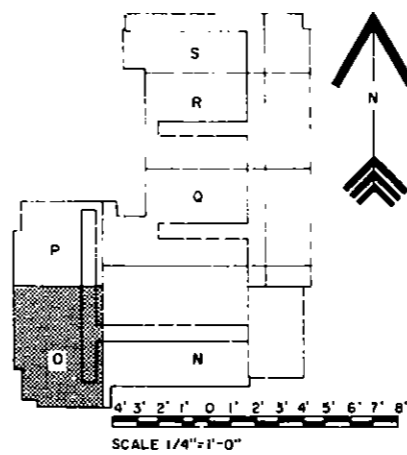
3

2

1



**ROOF PLAN 'O'**  
SCALE 1/4"=1'-0"

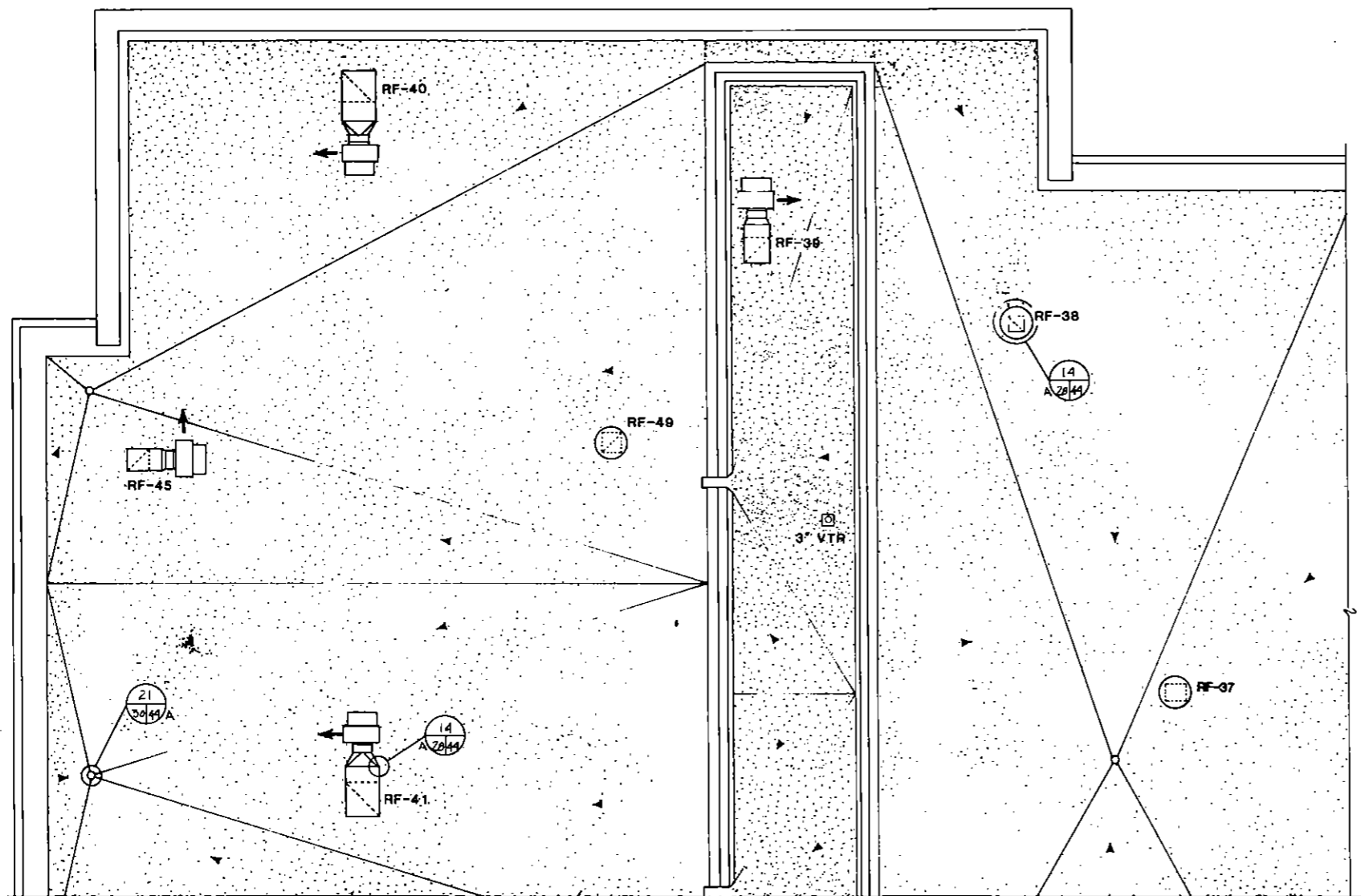


REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WRA	WRA	WBS	DEC-WI-927-402,0

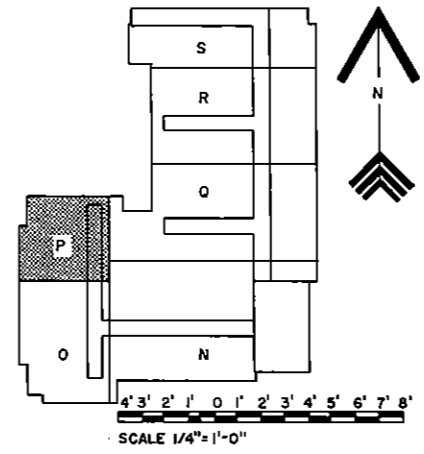
**A45**

8 ——— A ——— B ———

7 ———  
6 ———  
5 ———  
4 ———



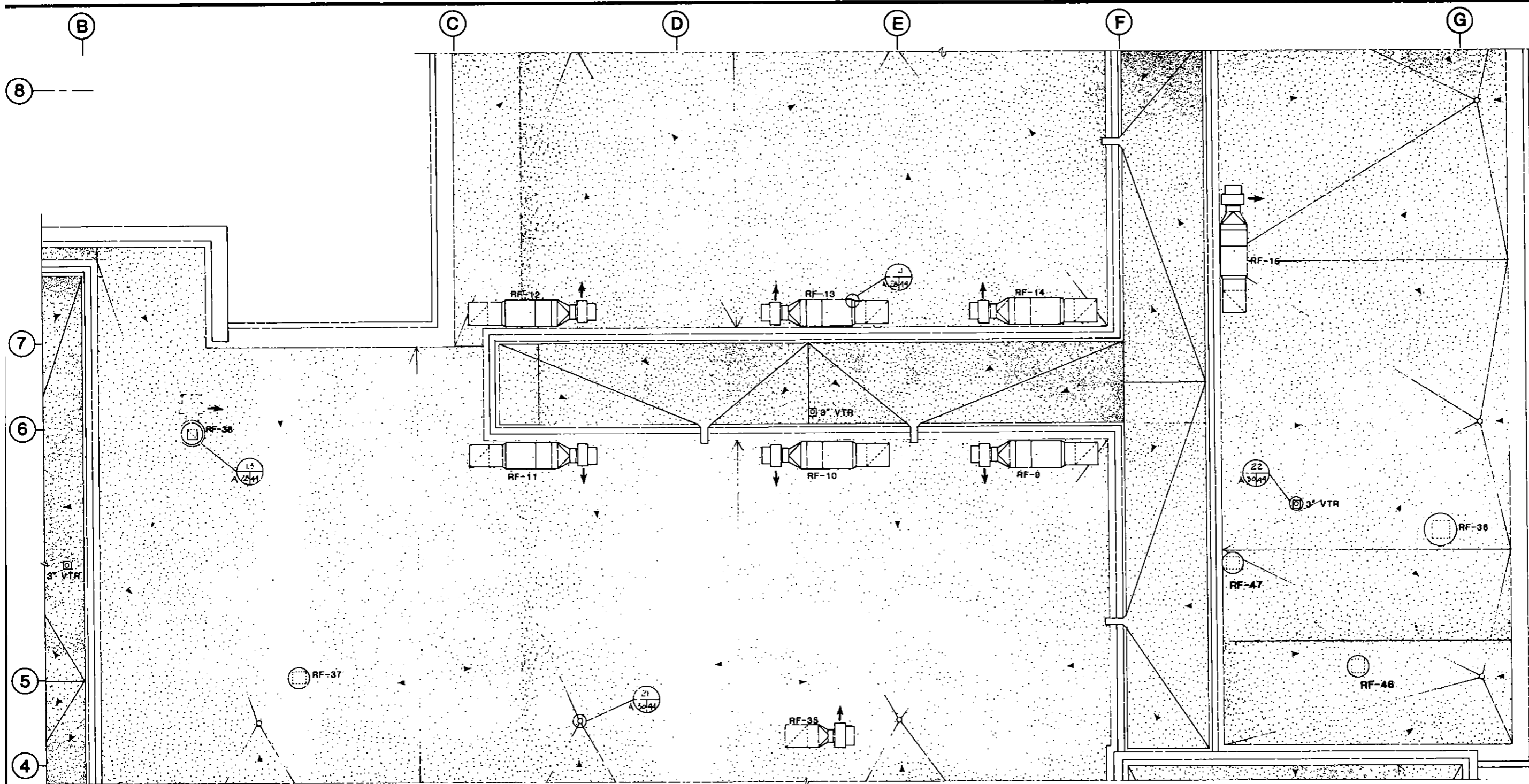
**ROOF PLAN 'P'**  
SCALE 1/4"=1'-0"



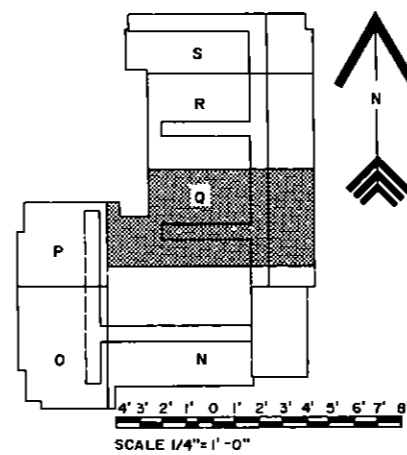
REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				<b>ROOF PLAN 'P'</b>
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WRA	WRA	WBS	DEC-WI-927-403.0

**A46**



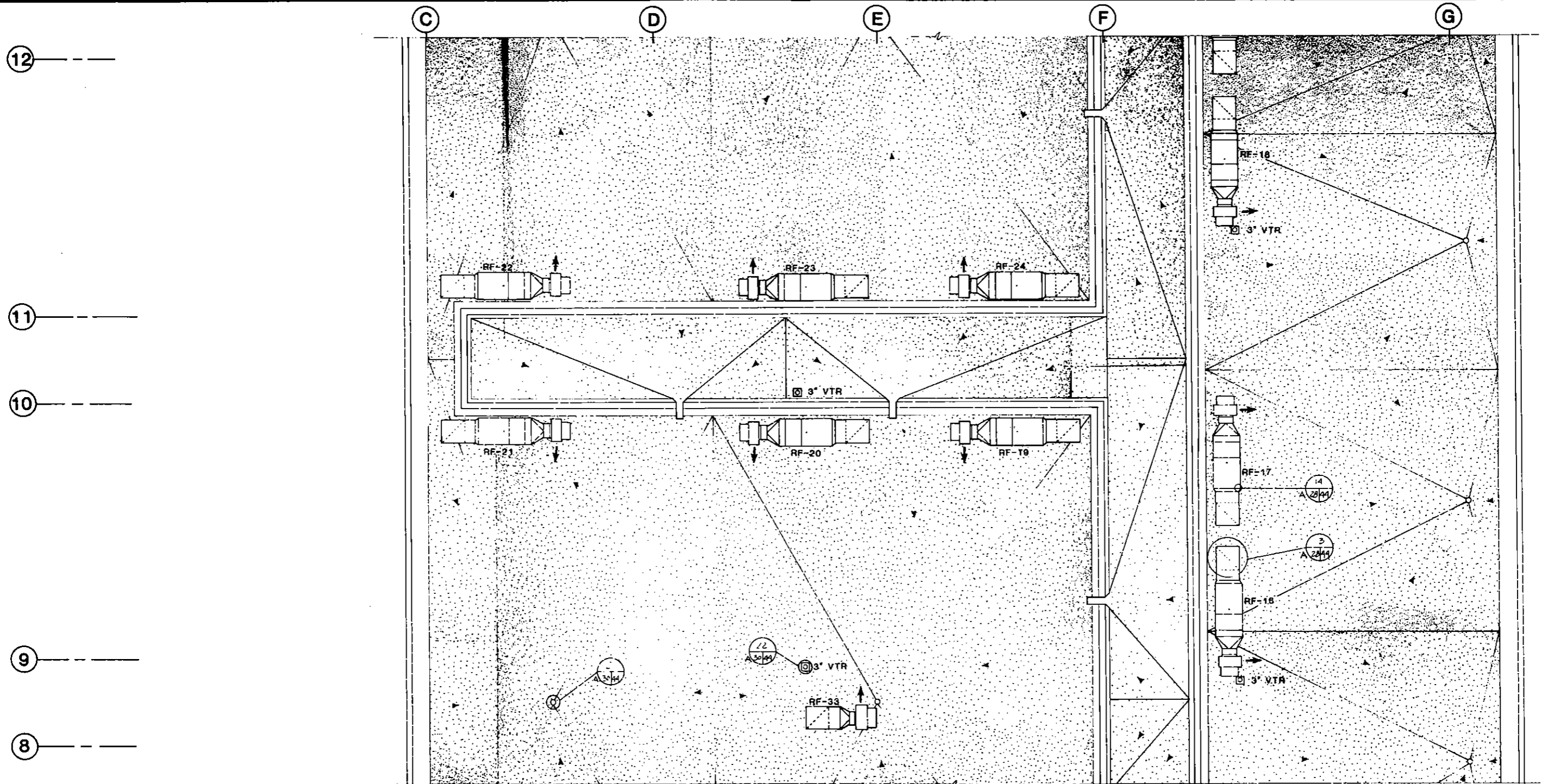


**ROOF PLAN 'Q'**  
SCALE 1/4"=1'-0"

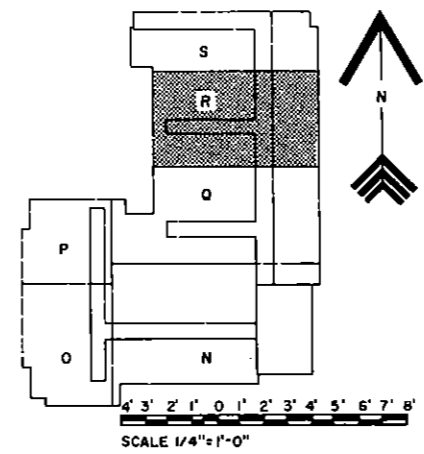


REVISION	STATUS	DATE	DESCRIPTION	BY
MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN			<b>ROOF PLAN 'Q'</b>	
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WRA	WRA	WBS	DEC-WI-927-404.0

**A47**



**ROOF PLAN 'R'**  
SCALE 1/4"=1'-0"

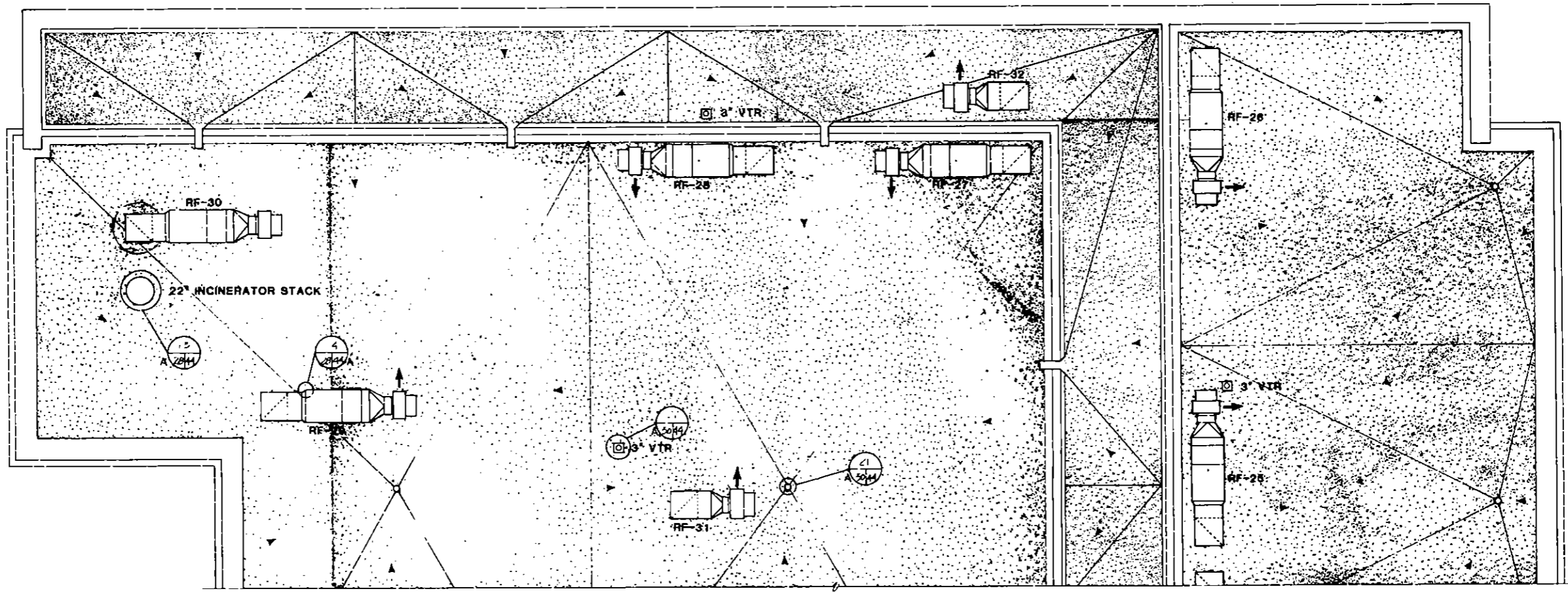


REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WRA	WRA	WBS	DEC-WI-927- 405,0

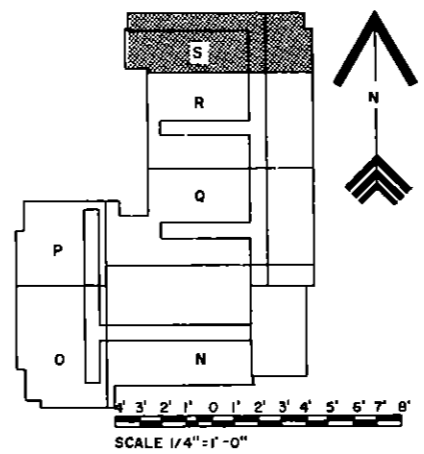
**A48**

C D E F G

15  
14  
13  
12

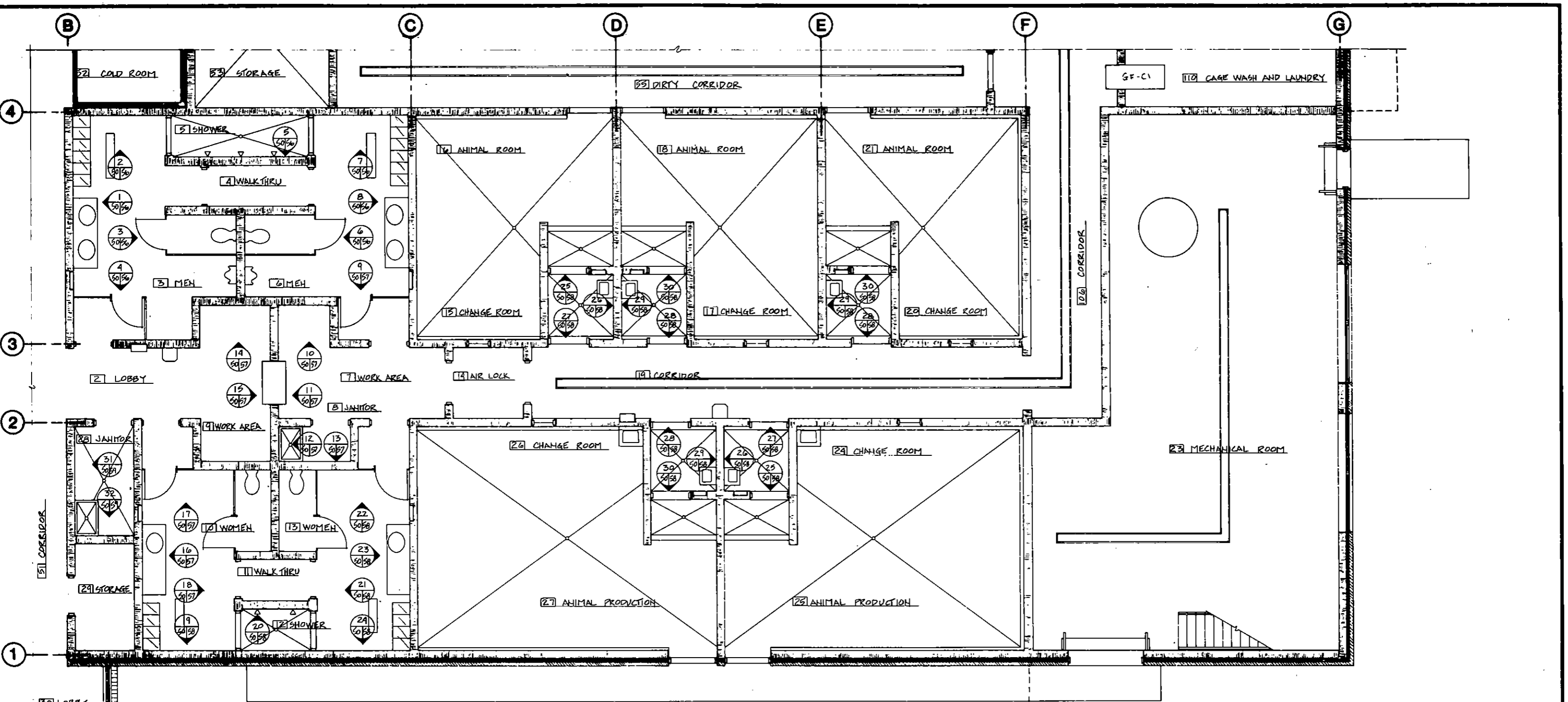


**ROOF PLAN 'S'**  
SCALE 1/4"=1'-0"

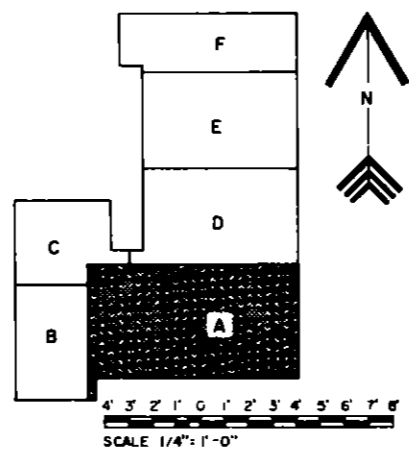


REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				<b>ROOF PLAN 'S'</b>
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WRA	WRA	WBS	DEC-WI-927-406.0

**A49**



INTERIOR ELEVATION PLAN 'A'  
SCALE 1/4"=1'-0"



REVISION	STATUS	DATE	DESCRIPTION	BY

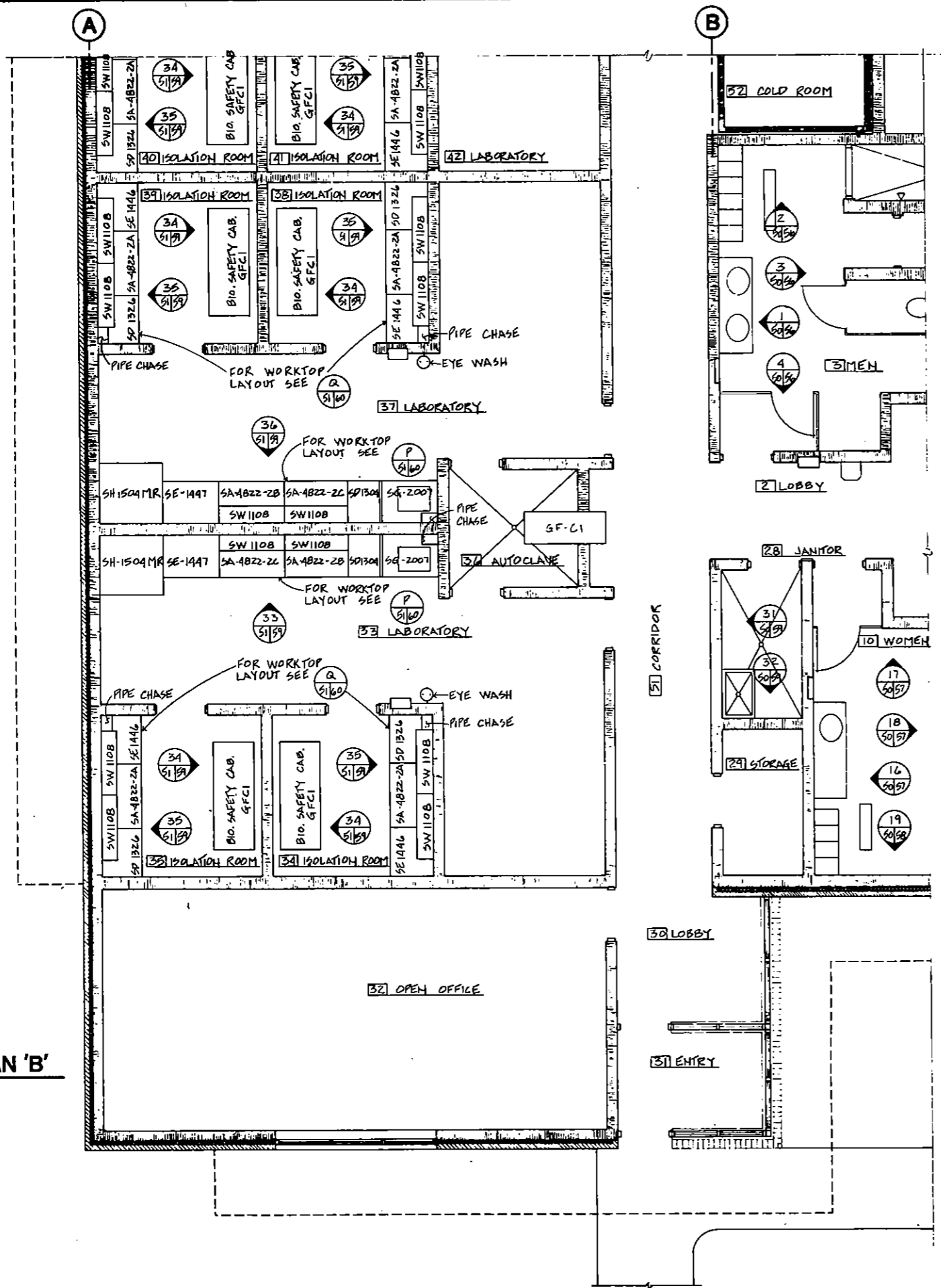
MADISON NATIONAL WILDLIFE HEALTH LABORATORY  
ANIMAL ISOLATION BUILDING  
MADISON, WISCONSIN

INTERIOR ELEVATION PLAN 'A'

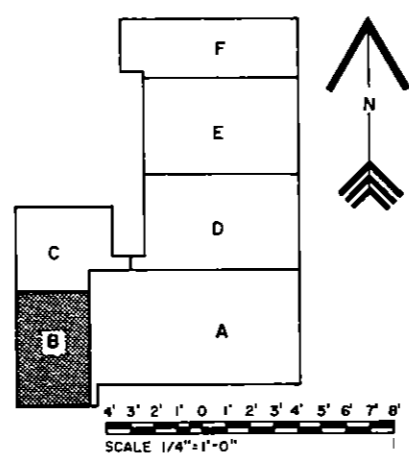
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WRA	WRA	WBS	DEC-WI-827-407-D

**A50**

4  
3  
2  
1



INTERIOR ELEVATION PLAN 'B'  
SCALE 1/4"=1'-0"



REVISION	STATUS	DATE	DESCRIPTION	BY

MADISON NATIONAL WILDLIFE HEALTH LABORATORY  
ANIMAL ISOLATION BUILDING  
MADISON, WISCONSIN

INTERIOR ELEVATION PLAN 'B'

DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WRA	WRA	WBS	DEC-WI-927-408.B

A51

8

A

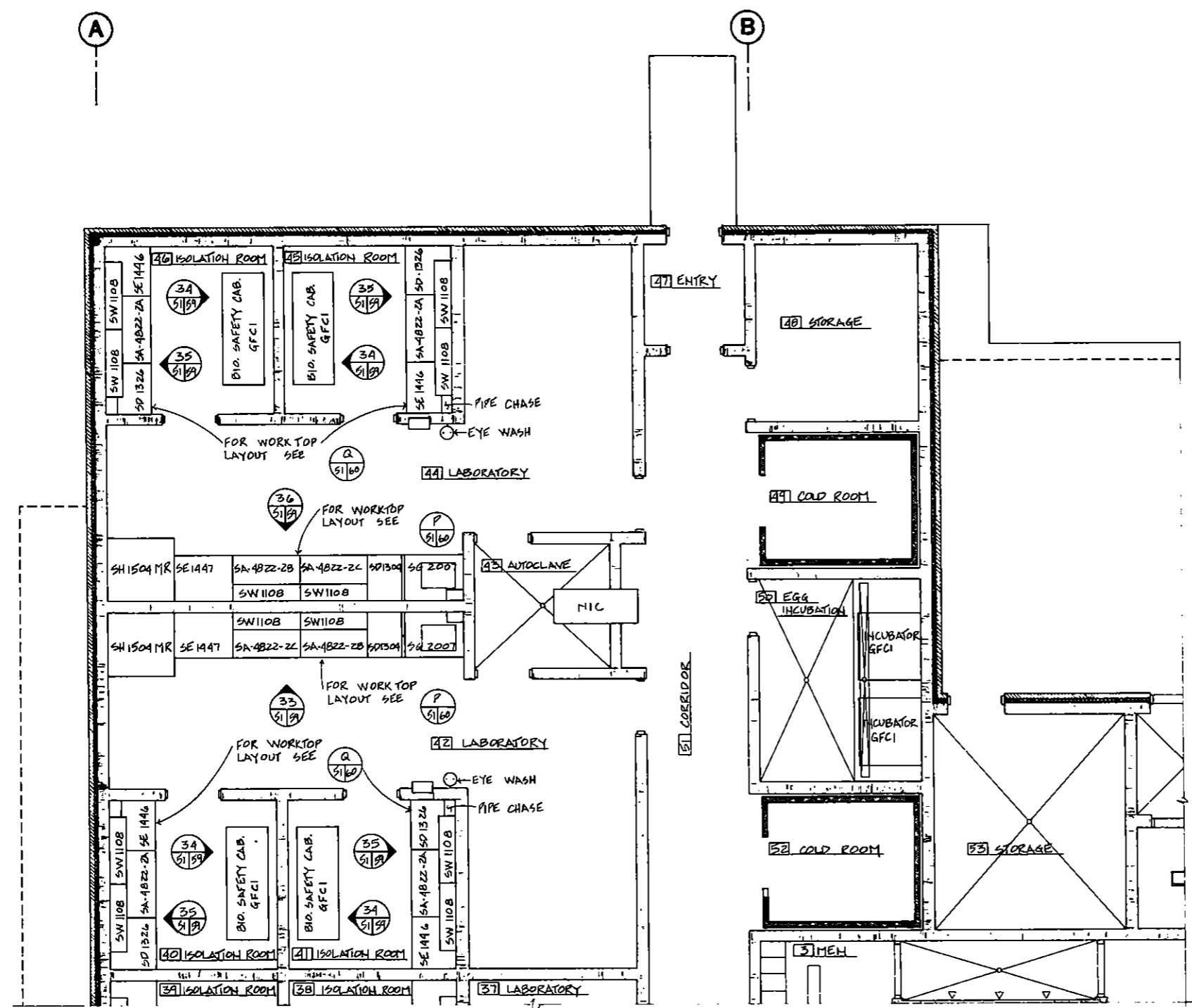
B

7

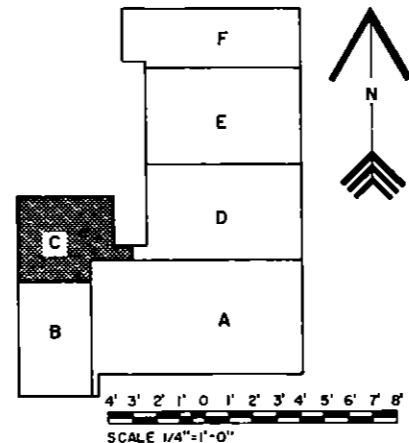
6

5

4

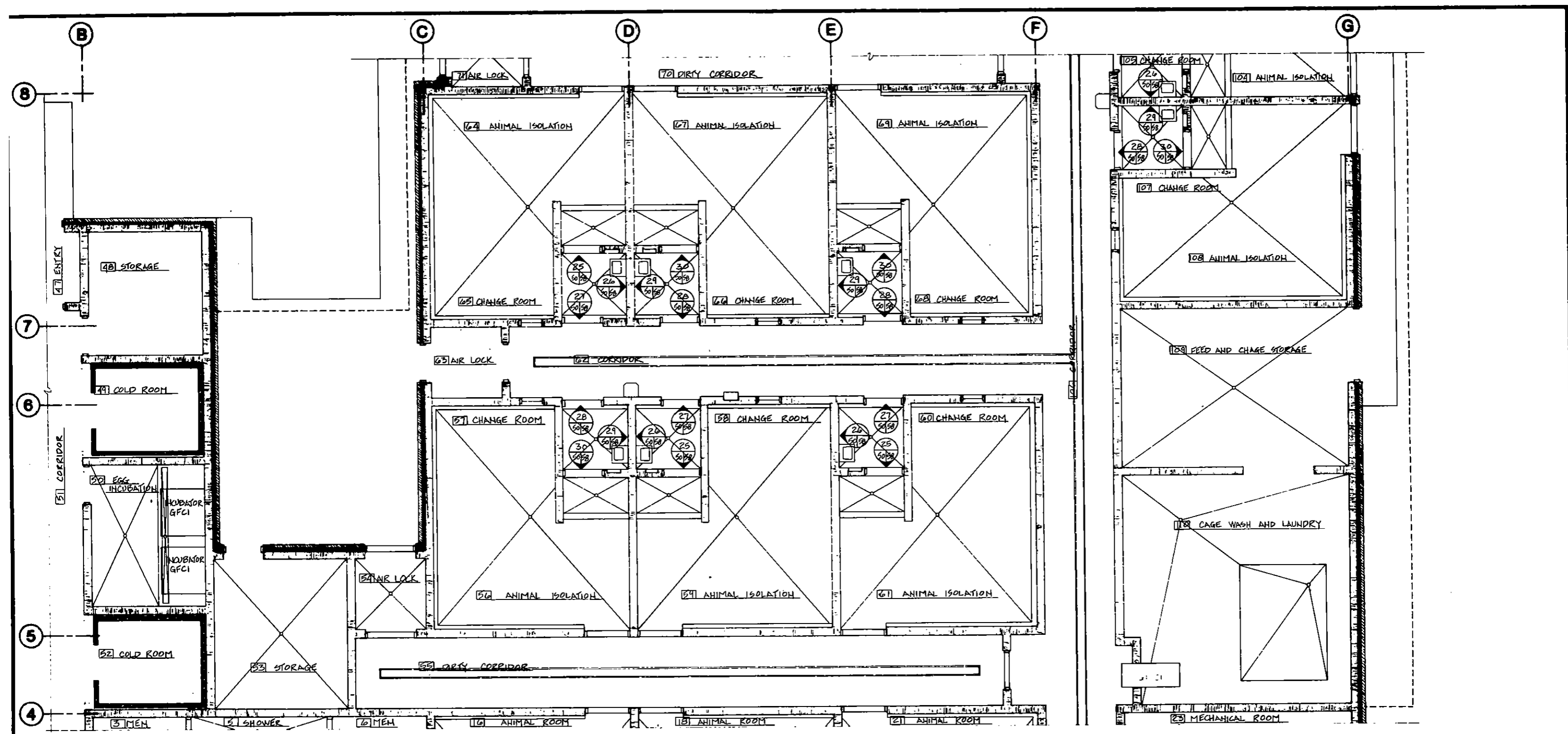


**INTERIOR ELEVATION PLAN 'C'**  
SCALE 1/4"=1'-0"

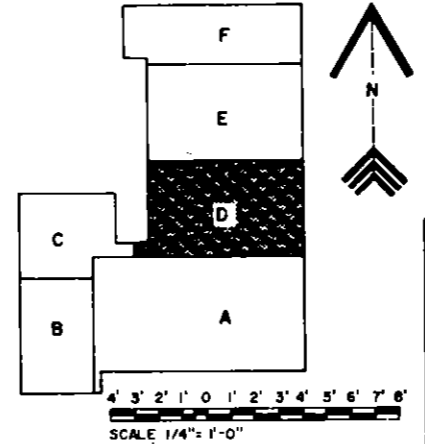


REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				<b>INTERIOR ELEVATION PLAN 'C'</b>
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WRA	WRA	WBS	DEC-WI-927-409 J

**AS2**



**INTERIOR ELEVATION PLAN 'D'**  
SCALE 1/4"=1'-0"



REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY</b> <b>ANIMAL ISOLATION BUILDING</b> <b>MADISON, WISCONSIN</b>				
<b>INTERIOR ELEVATION PLAN 'D'</b>		<b>DRAWING NO. DEC-WI-027-410.0</b>		
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WRA	WRA	WBS	DEC-WI-027-410.0

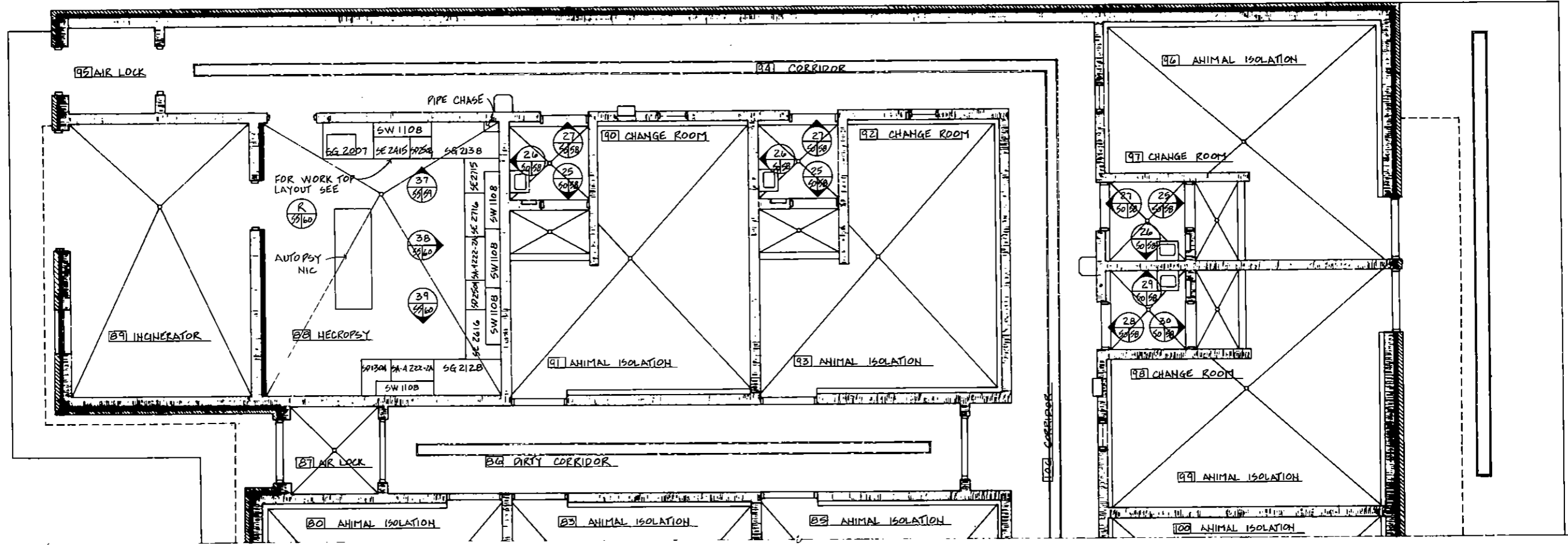
**A53**



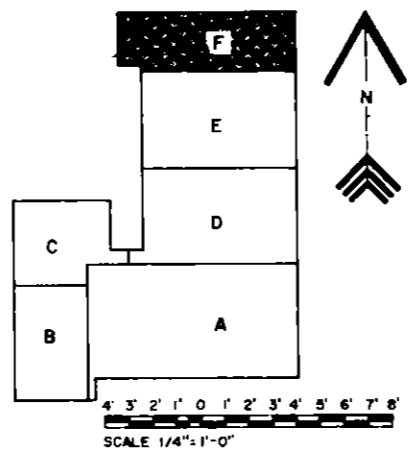


C D E F G

15  
14  
13  
12



INTERIOR ELEVATION PLAN 'F'  
SCALE 1/4"=1'-0"



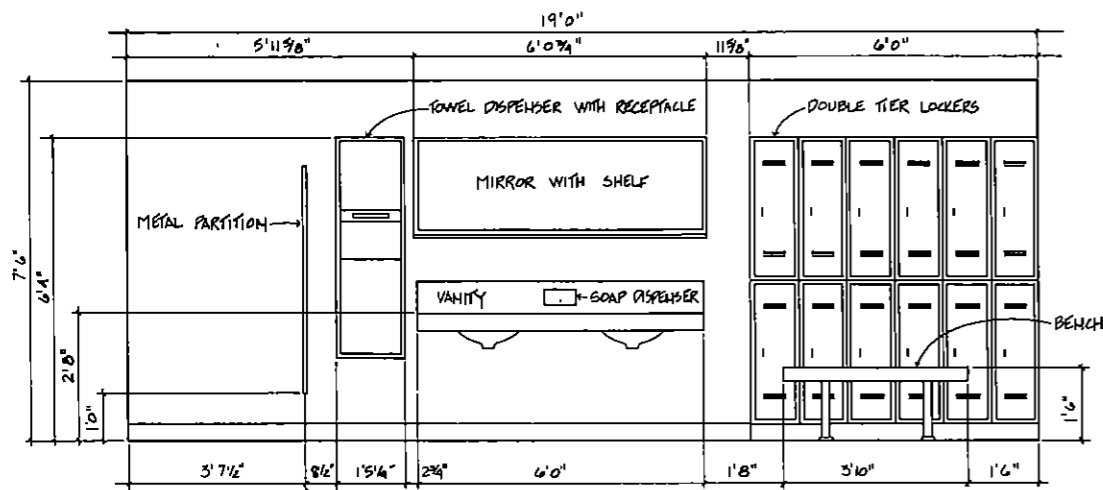
REVISION	STATUS	DATE	DESCRIPTION	BY

MADISON NATIONAL WILDLIFE HEALTH LABORATORY  
ANIMAL ISOLATION BUILDING  
MADISON, WISCONSIN

INTERIOR ELEVATION PLAN 'F'

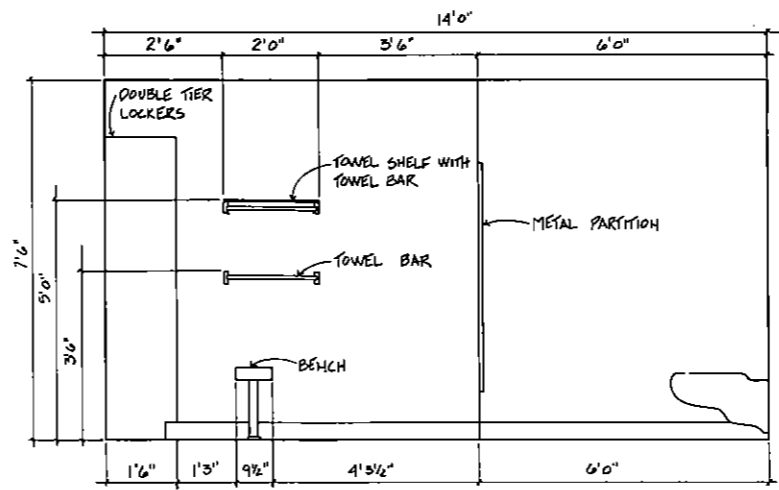
DATE 7/84 DESIGNED WRA DRAWN WRA CHECKED WBS DRAWING NO. DEC-W-887-412-C

A55



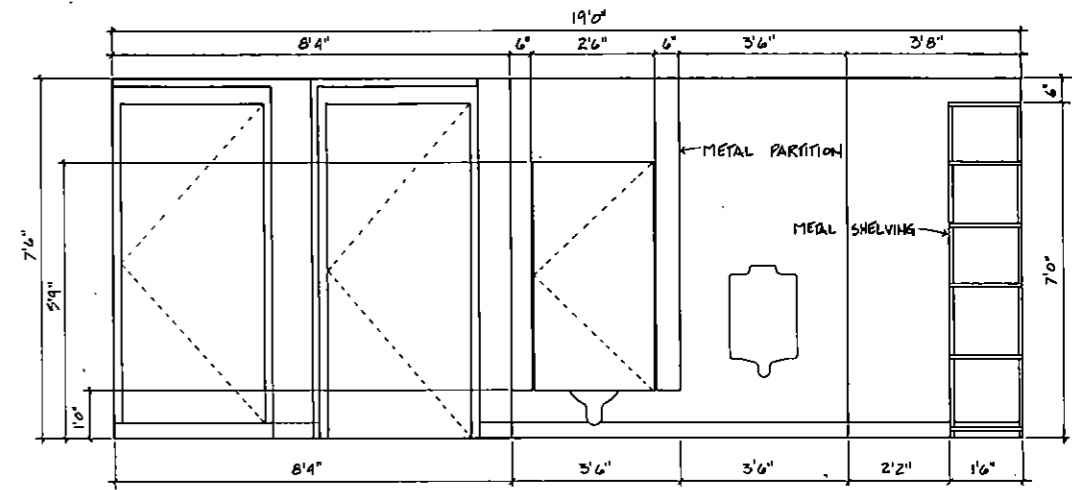
1 MEN  
SCALE 1/2":1'-0"

03



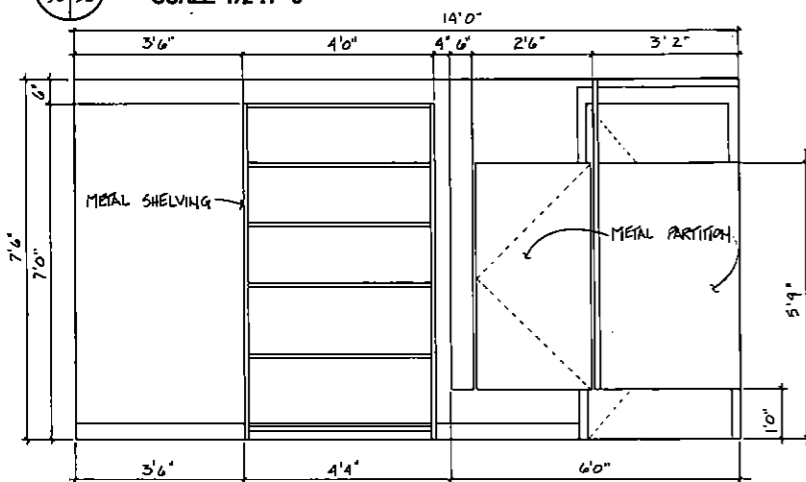
2 MEN  
SCALE 1/2":1'-0"

03



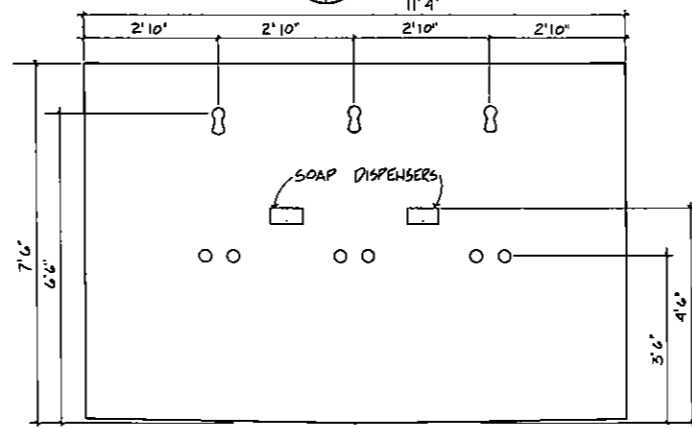
3 MEN  
SCALE 1/2":1'-0"

03



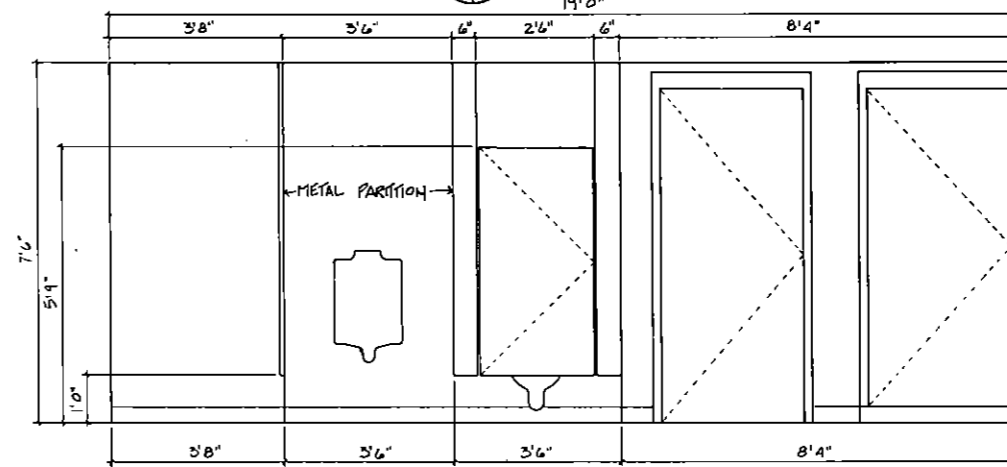
4 MEN  
SCALE 1/2":1'-0"

03



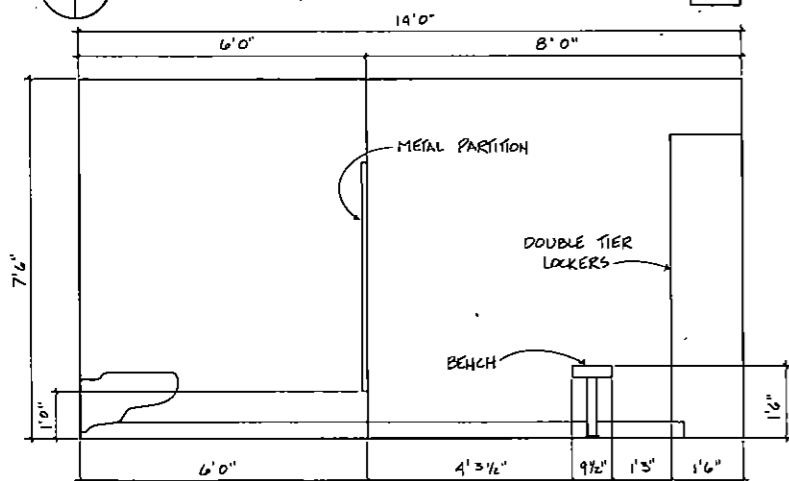
5 SHOWER  
SCALE 1/2":1'-0"

05



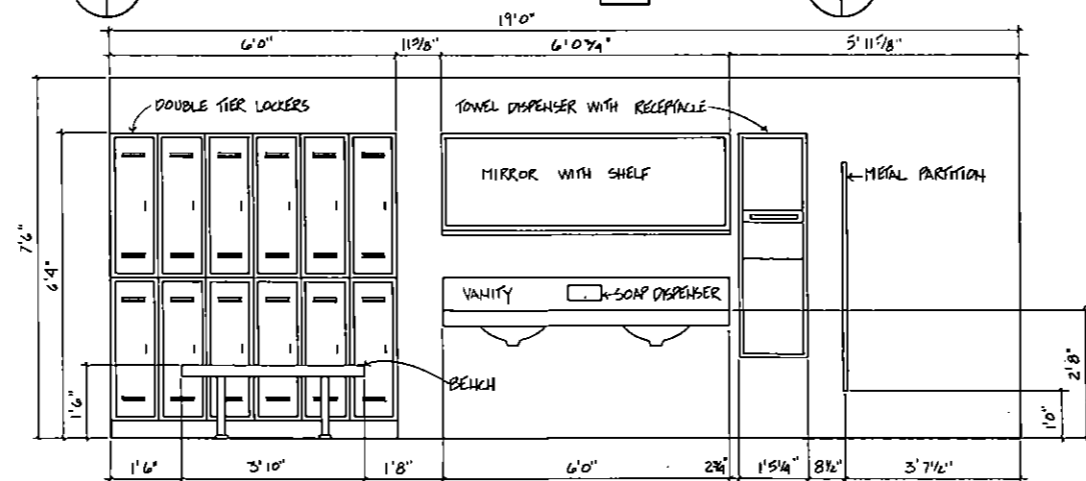
6 MEN  
SCALE 1/2":1'-0"

08



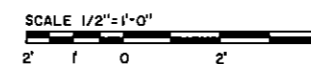
7 MEN  
SCALE 1/2":1'-0"

08



8 MEN  
SCALE 1/2":1'-0"

08



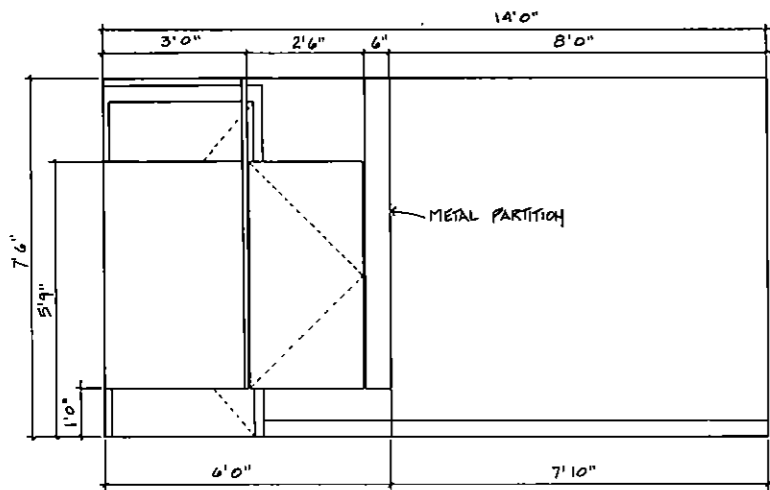
REVISION	STATUS	DATE	DESCRIPTION	BY

MADISON NATIONAL WILDLIFE HEALTH LABORATORY  
ANIMAL ISOLATION BUILDING  
MADISON, WISCONSIN

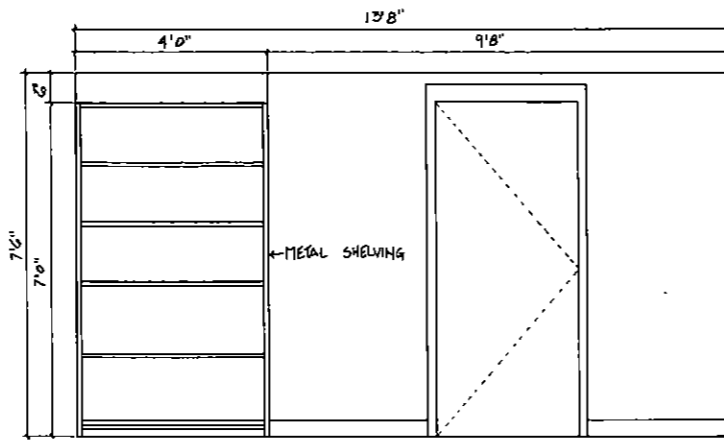
INTERIOR ELEVATIONS

DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WRA	WRA	WBS	DEC-WI-927-413.0

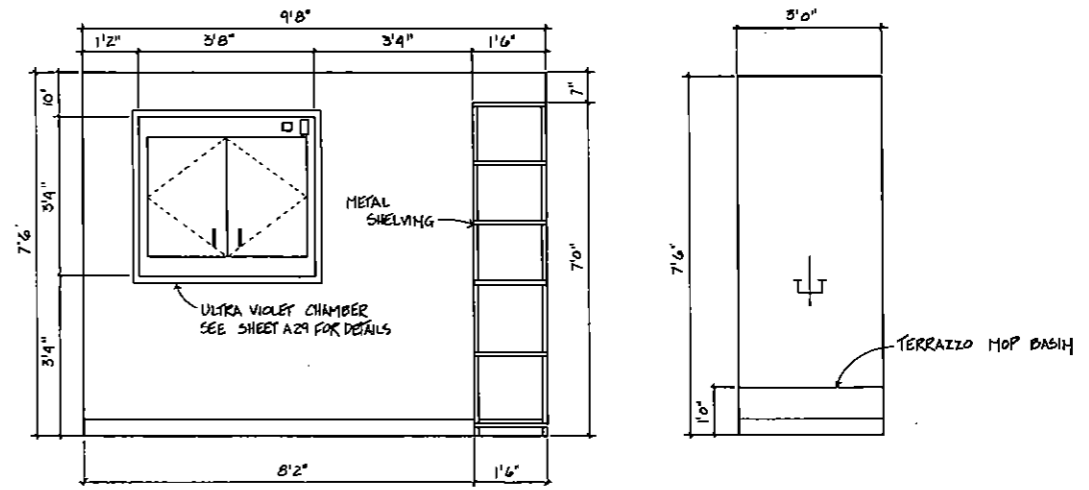
A56



9 MEN  
SCALE 1/2":1'-0"

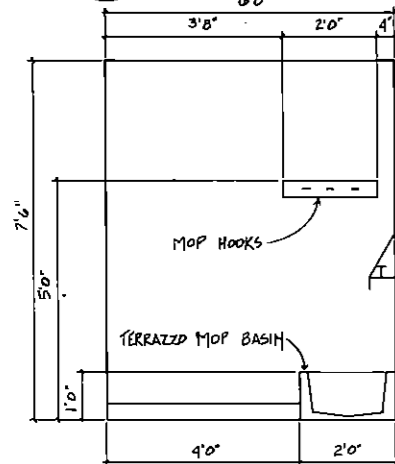


10 WORKAREA  
SCALE 1/2":1'-0"

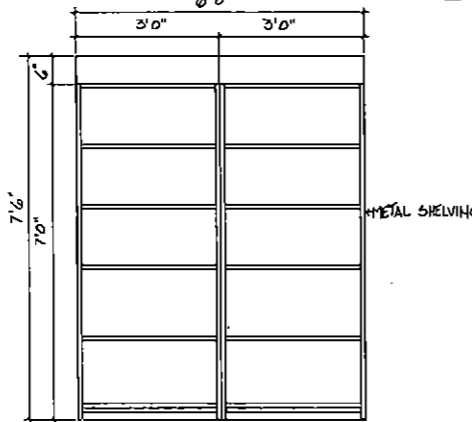


11 WORKAREA  
SCALE 1/2":1'-0"

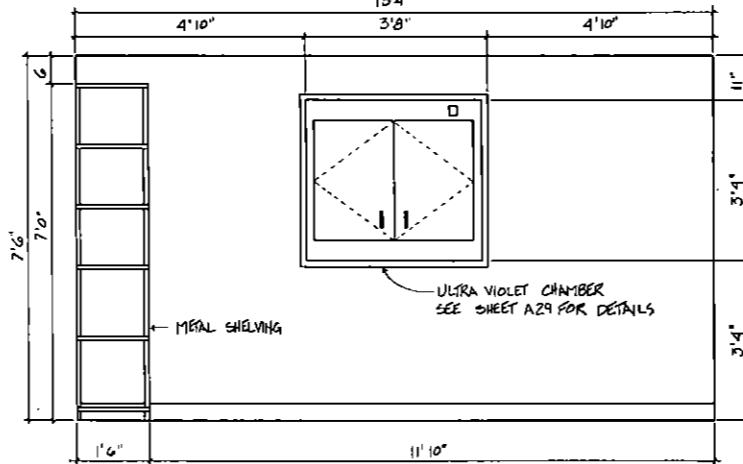
12 JANITOR  
SCALE 1/2":1'-0"



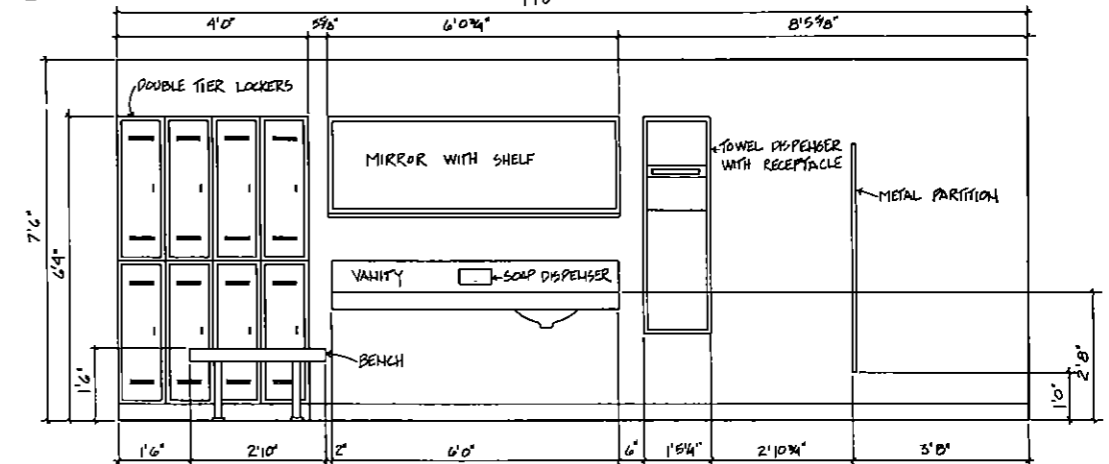
13 JANITOR  
SCALE 1/2":1'-0"



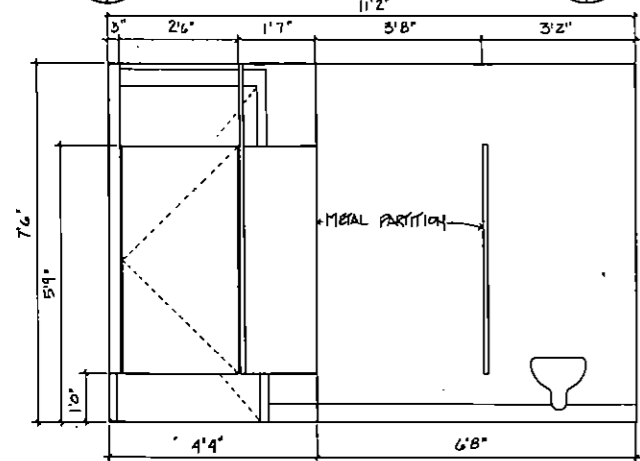
14 WORKAREA  
SCALE 1/2":1'-0"



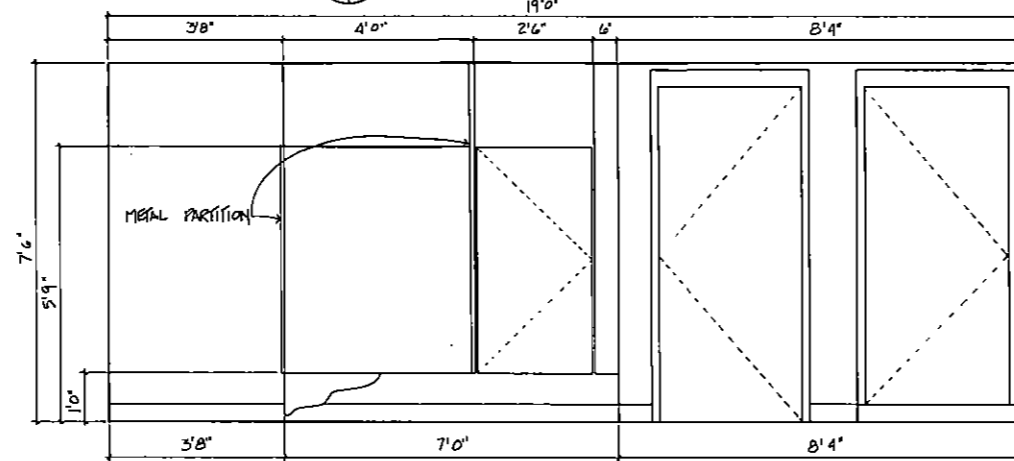
15 WORKAREA  
SCALE 1/2":1'-0"



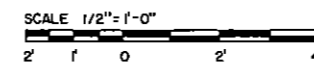
16 WOMEN  
SCALE 1/2":1'-0"



17 WOMEN  
SCALE 1/2":1'-0"



18 WOMEN  
SCALE 1/2":1'-0"



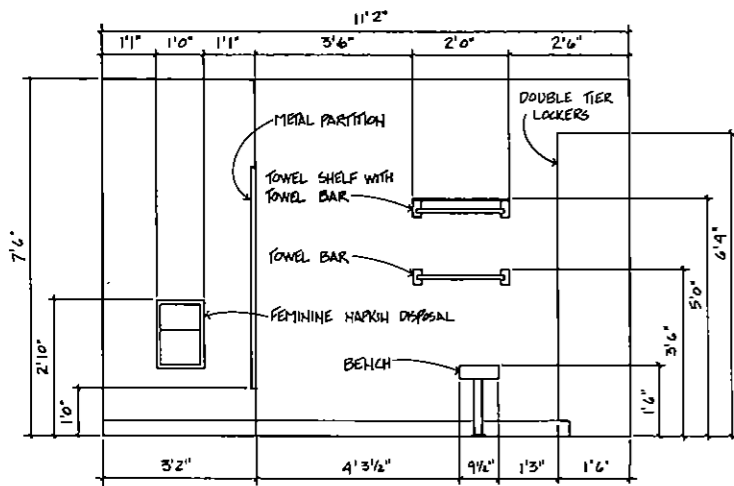
REVISION	STATUS	DATE	DESCRIPTION	BY

MADISON NATIONAL WILDLIFE  
HEALTH LABORATORY  
ANIMAL ISOLATION BUILDING  
MADISON, WISCONSIN

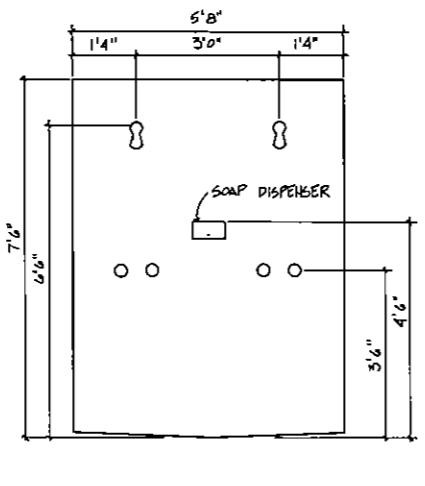
INTERIOR ELEVATIONS

DATE 7/84 DESIGNED WRA DRAWN WRA CHECKED WBS DRAWING NO. DEC-WI-927-414.0

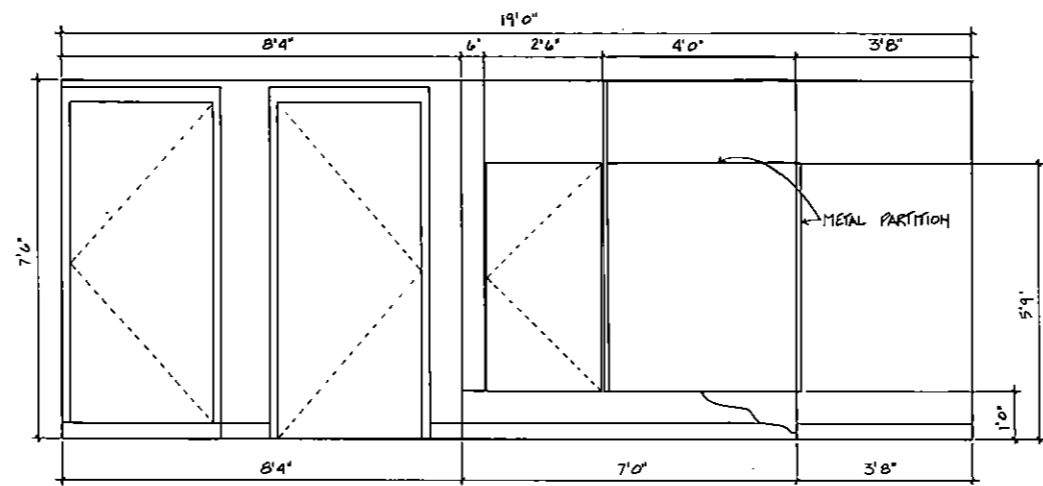
A57



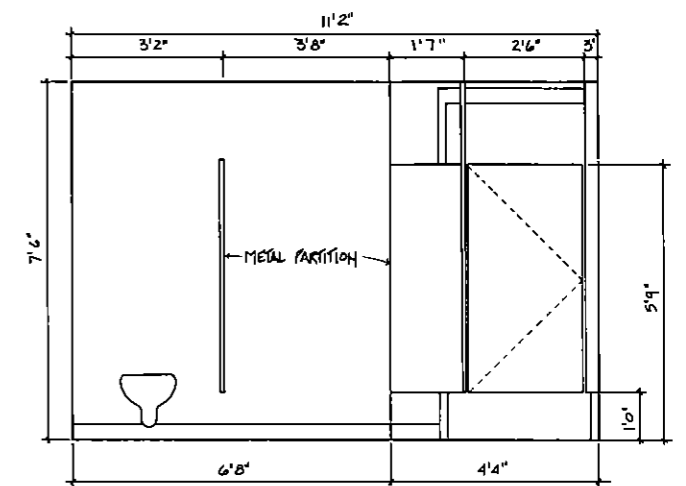
19 WOMEN SCALE 1/2":1'-0" 10



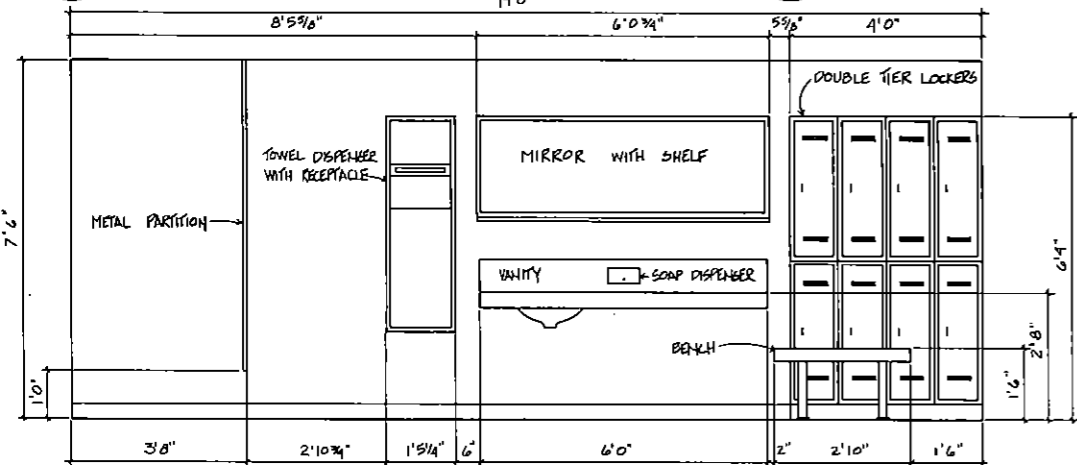
20 SHOWER SCALE 1/2":1'-0" 12



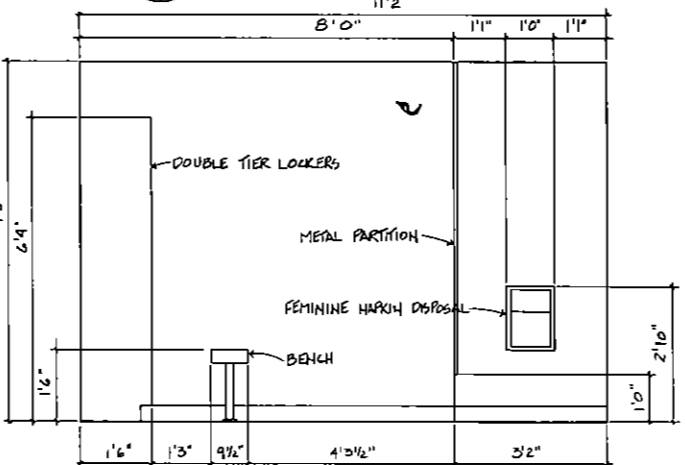
21 WOMEN SCALE 1/2":1'-0" 13



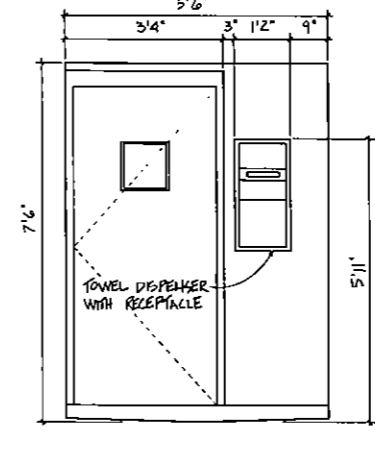
22 WOMEN SCALE 1/2":1'-0" 13



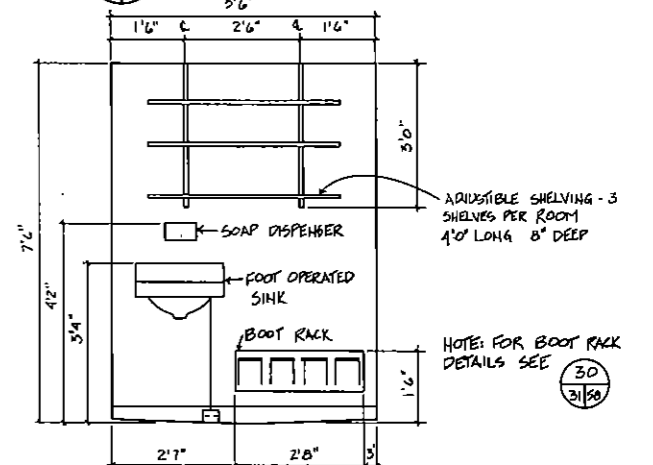
23 WOMEN SCALE 1/2":1'-0" 13



24 WOMEN SCALE 1/2":1'-0" 13



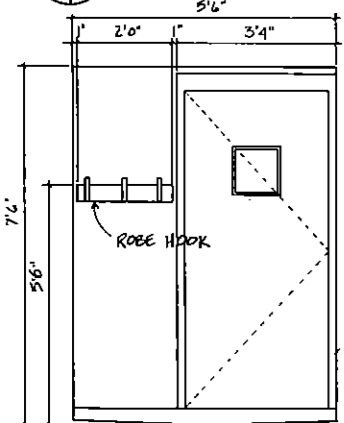
25 CHANGE ROOM SCALE 1/2":1'-0"



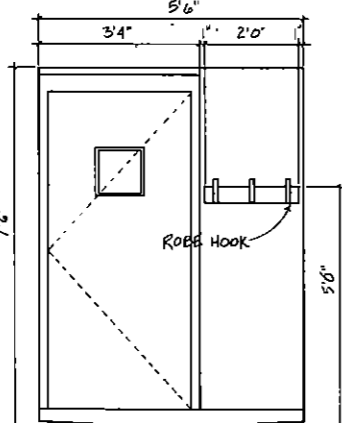
26 CHANGE ROOM SCALE 1/2":1'-0"

15	24	58
60	65	74
76	81	90
92	97	101
105		

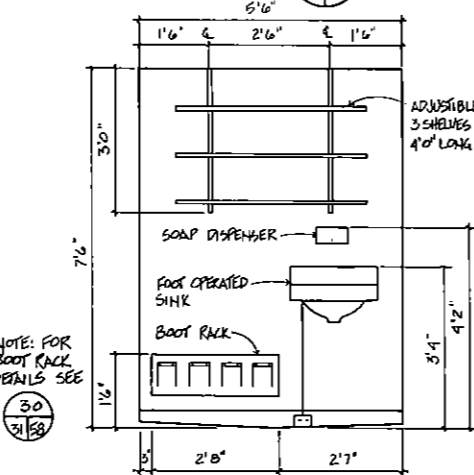
15	24	58
60	65	74
76	81	90
92	97	101
105		



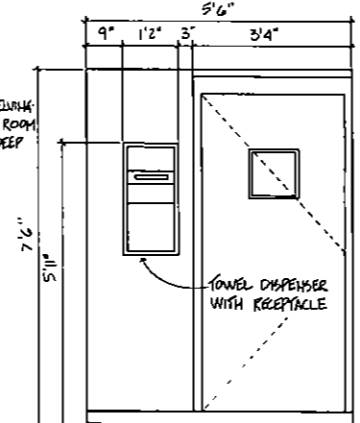
27 CHANGE ROOM SCALE 1/2":1'-0"



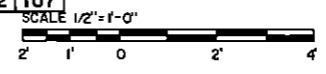
28 CHANGE ROOM SCALE 1/2":1'-0"



29 CHANGE ROOM SCALE 1/2":1'-0"



30 CHANGE ROOM SCALE 1/2":1'-0"

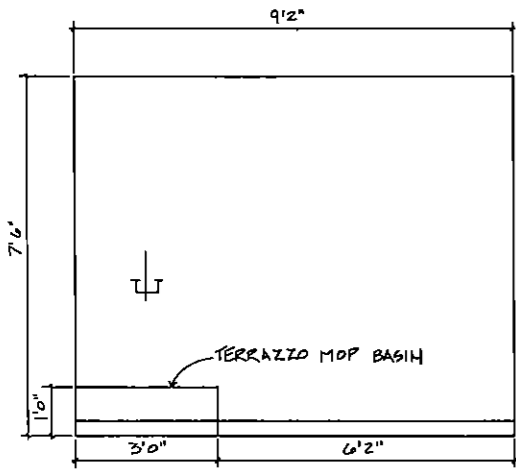


REVISION	STATUS	DATE	DESCRIPTION	BY

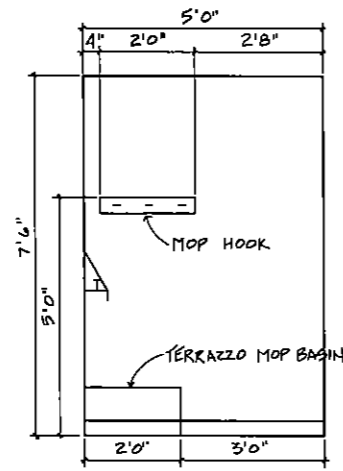
MADISON NATIONAL WILDLIFE HEALTH LABORATORY  
ANIMAL ISOLATION BUILDING  
MADISON, WISCONSIN

DATE 7/84 DESIGNED WRA DRAWN WRA CHECKED WBS DRAWING NO. DEC-WI-927-415.0

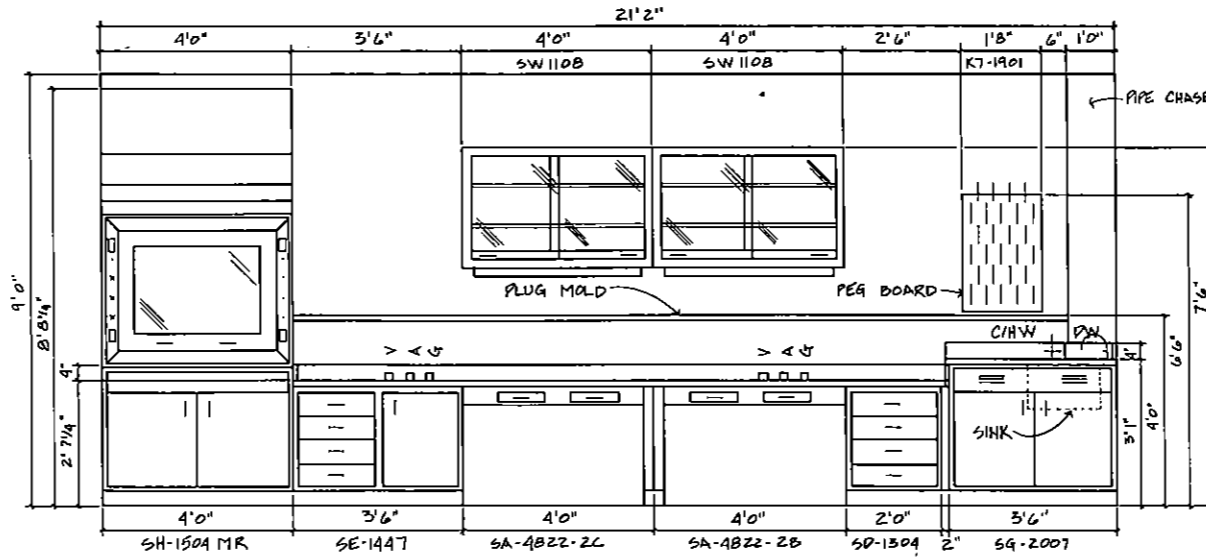
A58



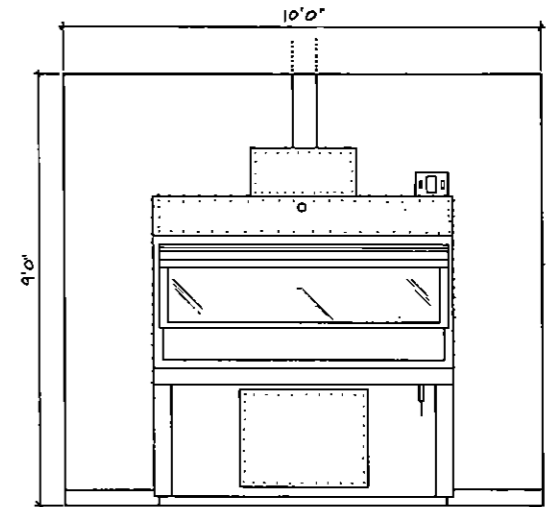
**31 JANITOR**  
SCALE 1/2":1'-0"  
28



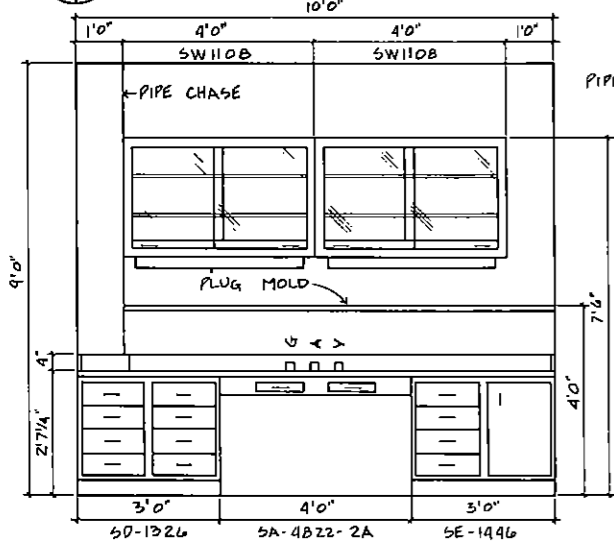
**32 JANITOR**  
SCALE 1/2":1'-0"  
28



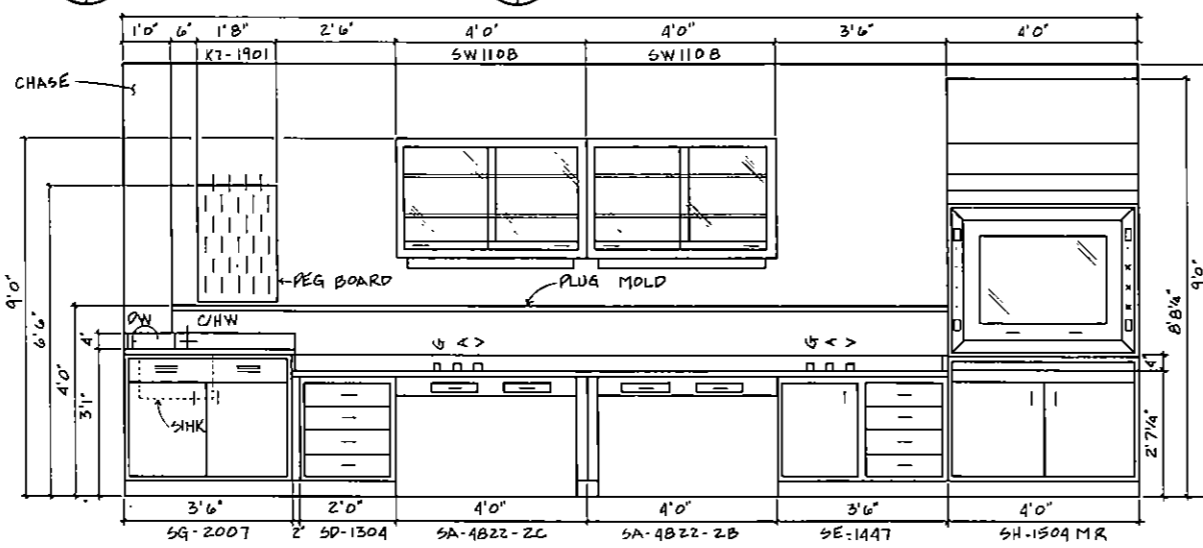
**33 LABORATORY**  
SCALE 1/2":1'-0"  
33 42



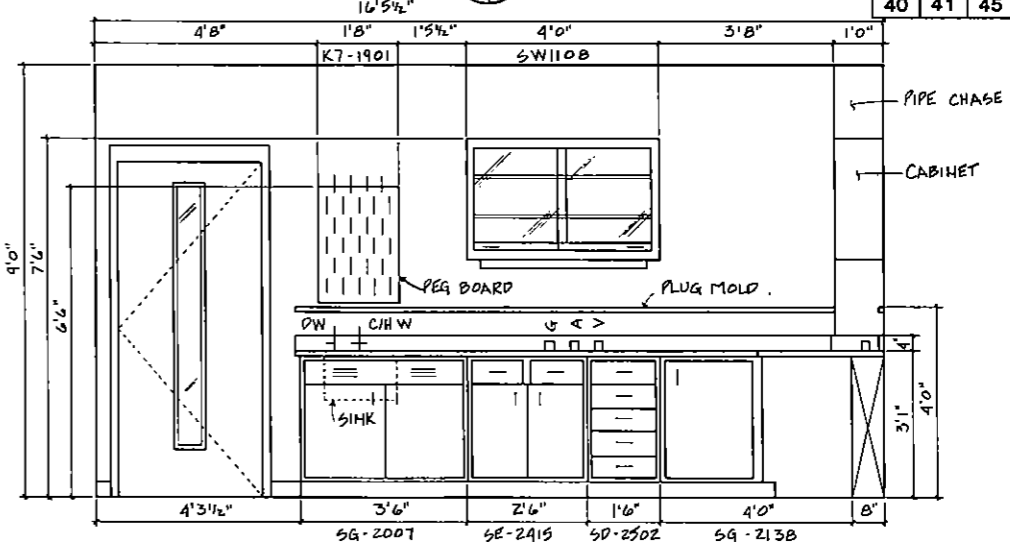
**34 ISOLATION ROOM**  
SCALE 1/2":1'-0"  
34 35 38 39  
40 41 45 46



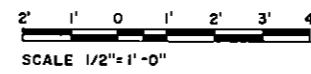
**35 ISOLATION ROOM**  
SCALE 1/2":1'-0"  
34 35 38 39  
40 41 45 46



**36 LABORATORY**  
SCALE 1/2":1'-0"  
37 44

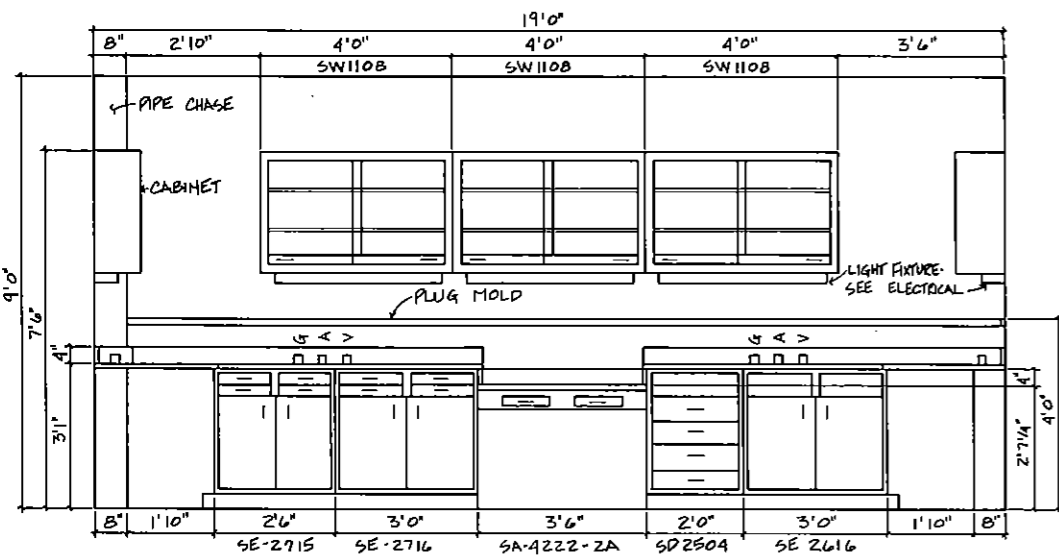


**37 NECROPSY**  
SCALE 1/2":1'-0"  
88



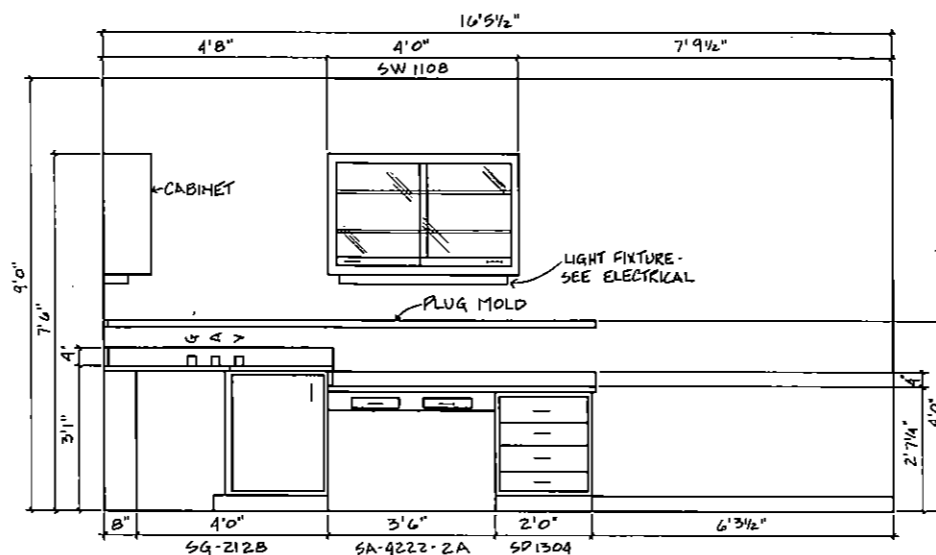
REVISION	STATUS	DATE	DESCRIPTION	BY
MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING INTERIOR ELEVATIONS MADISON, WISCONSIN				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WRA	WRA	WBS	DEC-WI-927-416.0

**A59**



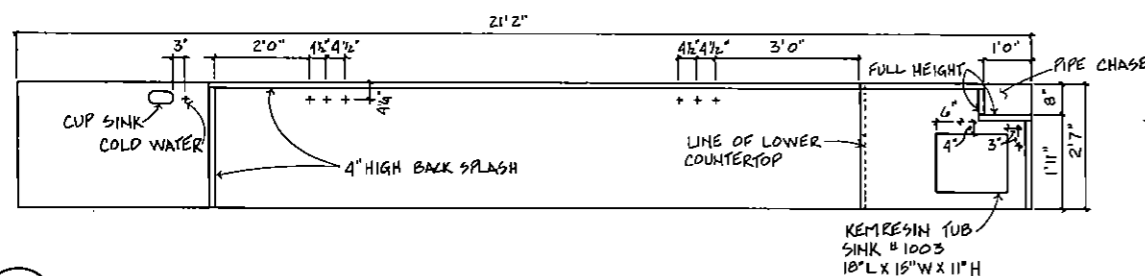
38 NECROPSY  
SCALE 1/2":1'-0"

88



39 NECROPSY  
SCALE 1/2":1'-0"

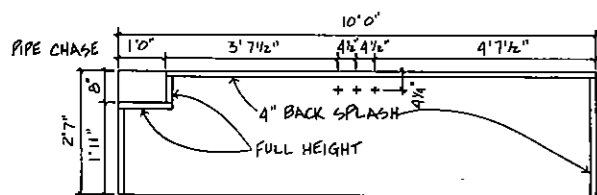
88



NOTE: COUNTERTOP IN ROOMS 37 AND 44 ARE REVERSED.

P WORK TOP LAYOUT-LABORATORY  
SCALE 1/2":1'-0"

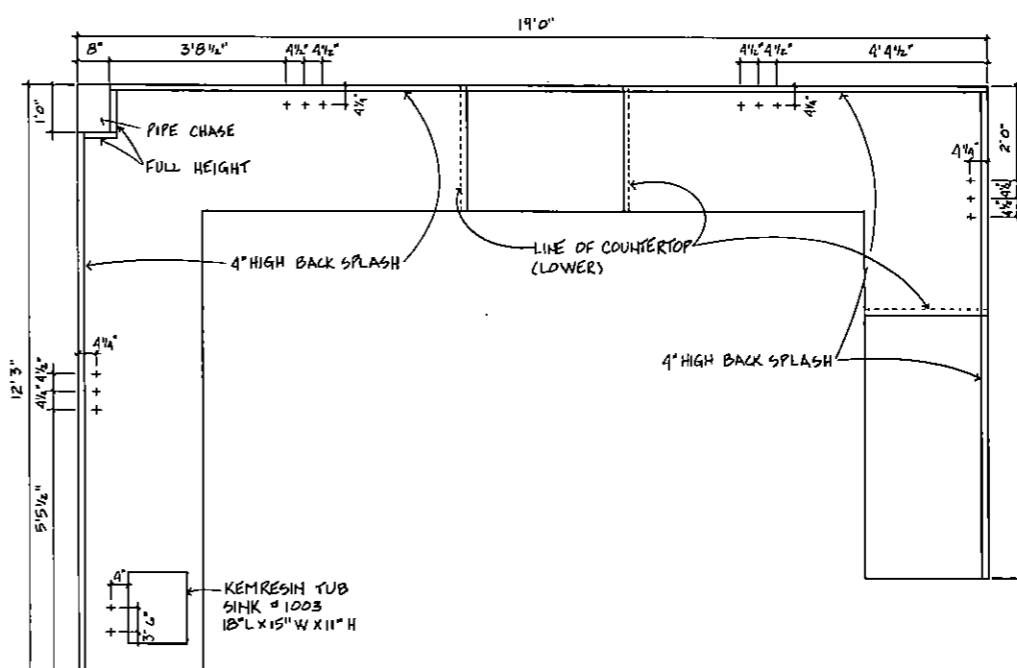
51 60



NOTE: PIPE CHASE IN ROOMS 35, 38, 40 AND 45 IS ON OPPOSITE END.

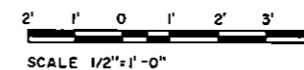
Q WORK TOP LAYOUT-ISOLATION ROOM  
SCALE 1/2":1'-0"

51 60



R WORK TOP LAYOUT-NECROPSY  
SCALE 1/2":1'-0"

55 60



REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN**

**INTERIOR ELEVATIONS AND WORKTOP LAYOUTS**

DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WRA	WRA	WBS	DEC-WI-927-417.0

**ASO**

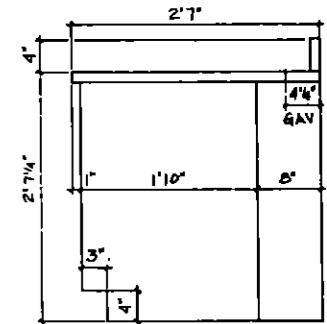




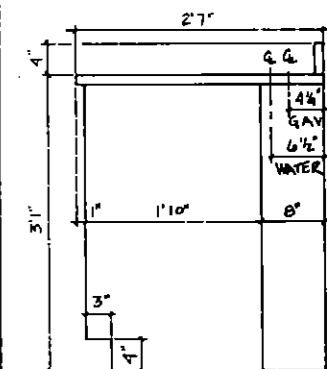


### LABORATORY FURNITURE SCHEDULE

ROOM NO.	ROOM NAME	ELEVATION NUMBER	MANUFACTURE NUMBER	TYPICAL SECTION	FINISHES						SERVICES								ACCESSORIES	REMARKS		
					BASE UNIT			WALL UNIT		COUNTERTOP		GAS	AIR	VAC.	CW	HW	DW	ELEC.			WASTE	STEAM
					MAT.	COLOR	BASE	MAT.	COLOR	MAT.	COLOR											
BB	NECROPSY	37-A-59	SG-2007	B	METAL	1	COVE			KEMRESIN	BLACK									KEMRESIN TUB SINK 1003 PEG BOARD 10-901 FILLER PANEL KL-323-1A FOR WORK TOP LAYOUT SEE SHEET A-60		
			SE-2415	B	METAL	1	COVE			KEMRESIN	BLACK	3	4									
			SD-2502	B	METAL	1	COVE			KEMRESIN	BLACK			5								
			SG-213B	B	METAL	1	COVE			KEMRESIN	BLACK											
			SW-110B					METAL	2													SOFFIT KL-124B
		38-A-60	SE-2715	B	METAL	1	COVE			KEMRESIN	BLACK	3	4									
			SE-2716	B	METAL	1	COVE			KEMRESIN	BLACK			5								
			SA-4222-2A	A	METAL	1				KEMRESIN	BLACK										KNEE SPACE PANEL KL-87A (CUT TO FIT)	
			SD-2504	B	METAL	1	COVE			KEMRESIN	BLACK											
			SE-2616	B	METAL	1	COVE			KEMRESIN	BLACK	3	4	5								
			SW-110B (3EA.)					METAL	2												SOFFIT KL-124B (3EA.)	
		39-A-60	SG-212B	B	METAL	1	COVE			KEMRESIN	BLACK	3	4	5								
			SA-4222-2A	A	METAL	1				KEMRESIN	BLACK										KNEE SPACE PANEL KL-87A (CUT TO FIT)	
			SD-1304	A	METAL	1	COVE			KEMRESIN	BLACK										FILLER PANEL KL-323-1A (CUT TO FIT)	
			SW-110B					METAL	2												SOFFIT KL-124B	



**SECTION 'A'**  
HT9



**SECTION 'B'**  
HT5

**NUMBERED NOTES**

1. SAND TAN # 20 AND SAILFISH BLUE #20	9. STAINLESS STEEL CRUMB CUP STRAINER 995
2. SAILFISH BLUE #20	10. GAS AND ELECTRIC TO GFCI EQUIPMENT
3. GAS FITTING W-280	11. GAS REMOTE CONTROL W-870-G
4. AIR FITTING W-260	12. AIR REMOTE CONTROL W-870-A
5. VACUUM FITTING W-260	13. VACUUM REMOTE CONTROL W-870-V
6. HOT AND COLD WATER MIXING SWING SPOUT SINK FAUCET W-333	14. GOOSE NECK COLD WATER REMOTE CONTROL W-874-W
7. PLUG MOLD	15. CONNECT ELECTRICAL SERVICES
8. ALUMINUM DISTILLED WATER GOOSE NECK FAUCET W-389	16. CUP SINK 492

REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY  
ANIMAL ISOLATION BUILDING  
MADISON, WISCONSIN**

**LABORATORY FURNITURE SCHEDULE**

DATE 7/84	DESIGNED WRA	DRAWN WRA	CHECKED WBS	DRAWING NO. DEC-WI-927-420-0
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A 63

# COLOR SCHEDULE

ROOM NO.	ROOM NAME	FLOOR		BASE		WALLS								CEILING		ACCESSORIES				NOTES
		MFG.	COLOR	MFG.	COLOR	NORTH		EAST		SOUTH		WEST		MFG.	COLOR	F & D	LC	CT	MW	
						MFG.	COLOR	MFG.	COLOR	MFG.	COLOR	MFG.	COLOR							
1																				NOT USED
2	LOBBY	ARMSTRONG	MONTINA 86700	ARMSTRONG	MONTINA 4" HIGH 86700	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT	CHAMOIS 5522			
3	MEH	ARMSTRONG	MONTINA 86700	ARMSTRONG	MONTINA 4" HIGH 86700	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT	CHAMOIS 5522		WILSON ART SOLID ANTIQUE WHITE 1572-6	
4	WALK THRU	ARMSTRONG	MONTINA 86700	ARMSTRONG	MONTINA 4" HIGH 86700	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT	CHAMOIS 5522			
5	SHOWER	DALLAS CERAMIC COMPANY	KD-25 2X2 TILE	DALLAS CERAMIC COMPANY	KD-25 2X2 TILE	DALLAS CERAMIC COMPANY	KD-25 2X2 TILE	DALLAS CERAMIC COMPANY	KD-25 2X2 TILE	DALLAS CERAMIC COMPANY	KD-25 2X2 TILE	DALLAS CERAMIC COMPANY	KD-25 2X2 TILE	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT	CHAMOIS 5522			
6	MEH	ARMSTRONG	MONTINA 86700	ARMSTRONG	MONTINA 4" HIGH 86700	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT	CHAMOIS 5522		WILSON ART SOLID ANTIQUE WHITE 1572-6	
7	WORK AREA	ARMSTRONG	MONTINA 86700	ARMSTRONG	MONTINA 4" HIGH 86700	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT	CHAMOIS 5522			
8	JANITOR	ARMSTRONG	MONTINA 86700	ARMSTRONG	MONTINA 4" HIGH 86700	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT	CHAMOIS 5522			
9	WORK AREA	ARMSTRONG	MONTINA 86700	ARMSTRONG	MONTINA 4" HIGH 86700	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT	CHAMOIS 5522			
10	WOMEN	ARMSTRONG	MONTINA 86700	ARMSTRONG	MONTINA 4" HIGH 86700	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT	CHAMOIS 5522		WILSON ART SOLID ANTIQUE WHITE 1572-6	
11	WALK THRU	ARMSTRONG	MONTINA 86700	ARMSTRONG	MONTINA 4" HIGH 86700	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT	CHAMOIS 5522			
12	SHOWER	DALLAS CERAMIC COMPANY	KD-25 2X2 TILE	DALLAS CERAMIC COMPANY	KD-25 2X2 TILE	DALLAS CERAMIC COMPANY	KD-25 2X2 TILE	DALLAS CERAMIC COMPANY	KD-25 2X2 TILE	DALLAS CERAMIC COMPANY	KD-25 2X2 TILE	DALLAS CERAMIC COMPANY	KD-25 2X2 TILE	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT	CHAMOIS 5522			
13	WOMEN	ARMSTRONG	MONTINA 86700	ARMSTRONG	MONTINA 4" HIGH 86700	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT	CHAMOIS 5522		WILSON ART SOLID ANTIQUE WHITE 1572-6	
14	AIR LOCK	ARMSTRONG	MONTINA 86700	ARMSTRONG	MONTINA 4" HIGH 86700	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT	CHAMOIS 5522			WINDOW FRAME-PRATT & LAMBERT CHAMOIS 5522
15	CHANGE ROOM	PRATT & LAMBERT	FLAGSTONE 2516	PRATT & LAMBERT	4" HIGH FLAGSTONE 2516	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT	CHAMOIS 5522			
16	ANIMAL ROOM	PRATT & LAMBERT	FLAGSTONE 2516	PRATT & LAMBERT	4" HIGH FLAGSTONE 2516	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT	CHAMOIS 5522			WINDOW FRAME-PRATT & LAMBERT CHAMOIS 5522
17	CHANGE ROOM	PRATT & LAMBERT	FLAGSTONE 2516	PRATT & LAMBERT	4" HIGH FLAGSTONE 2516	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT	CHAMOIS 5522			
18	ANIMAL ROOM	PRATT & LAMBERT	FLAGSTONE 2516	PRATT & LAMBERT	4" HIGH FLAGSTONE 2516	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT	CHAMOIS 5522			WINDOW FRAME-PRATT & LAMBERT CHAMOIS 5522
19	CORRIDOR	ARMSTRONG	MONTINA 86700	ARMSTRONG	MONTINA 4" HIGH 86700	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT	CHAMOIS 5522			WINDOW FRAMES-PRATT & LAMBERT CHAMOIS 5522
20	CHANGE ROOM	PRATT & LAMBERT	FLAGSTONE 2516	PRATT & LAMBERT	4" HIGH FLAGSTONE 2516	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT	CHAMOIS 5522			
21	ANIMAL ROOM	PRATT & LAMBERT	FLAGSTONE 2516	PRATT & LAMBERT	4" HIGH FLAGSTONE 2516	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT	CHAMOIS 5522			WINDOW FRAME-PRATT & LAMBERT CHAMOIS 5522
22																				NOT USED
23	MECHANICAL ROOM	CONCRETE		CONCRETE		EXPOSED BLOCK / CONCRETE		EXPOSED BLOCK / CONCRETE		EXPOSED BLOCK / CONCRETE		EXPOSED BLOCK / CONCRETE		CONCRETE		PRATT & LAMBERT	CHAMOIS 5522			

F & D - FRAME AND DOOR  
 LC - LAB CASEWORK  
 CT - COUNTERTOP  
 MW - MILLWORK

**NOTE:**  
 ALL PAINT SHALL BE FLOROCK,  
 ONE COAT PIGMENTED AQUA  
 PRIME EPOXY AND TWO COATS  
 PIGMENTED FLOROBASE 80.  
 PRATT & LAMBERT COLORS  
 GIVEN ARE FOR COLOR  
 MATCHING ONLY.

REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				
<b>COLOR SCHEDULE</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WRA	WRA	WBS	DEC-WI-997-421 G

**ABA**

## COLOR SCHEDULE

ROOM NO.	ROOM NAME	FLOOR		BASE		WALLS								CEILING		ACCESSORIES				NOTES	
						NORTH		EAST		SOUTH		WEST				F & D	LC	CT	MW		
		MFG.	COLOR	MFG.	COLOR	MFG.	COLOR	MFG.	COLOR	MFG.	COLOR	MFG.	COLOR	MFG.	COLOR						
24	CHANGE ROOM	PRATT & LAMBERT	FLAGSTONE 2516	PRATT & LAMBERT 4" HIGH	FLAGSTONE 2516	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT CHAM015 5522					
25	ANIMAL PRODUCTION	PRATT & LAMBERT	FLAGSTONE 2516	PRATT & LAMBERT 4" HIGH	FLAGSTONE 2516	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT CHAM015 5522					WINDOW FRAME - PRATT & LAMBERT CHAM015 5522
26	CHANGE ROOM	PRATT & LAMBERT	FLAGSTONE 2516	PRATT & LAMBERT 4" HIGH	FLAGSTONE 2516	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT CHAM015 5522					
27	ANIMAL PRODUCTION	PRATT & LAMBERT	FLAGSTONE 2516	PRATT & LAMBERT 4" HIGH	FLAGSTONE 2516	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT CHAM015 5522					WINDOW FRAME - PRATT & LAMBERT CHAM015 5522
28	JANITOR	ARMSTRONG	MOHNTA 86700	ARMSTRONG 4" HIGH	MOHNTA 86700	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT CHAM015 5522					
29	STORAGE	ARMSTRONG	MOHNTA 86700	ARMSTRONG 4" HIGH	MOHNTA 86700	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT CHAM015 5522					
30	LOBBY	ARMSTRONG	MOHNTA 86700	ARMSTRONG 4" HIGH	MOHNTA 86700	BRICK		PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT CHAM015 5522 - WEST ONLY					WINDOW FRAMES - ANODIZED ALUMINUM BRONZE
31	ENTRY	ARMSTRONG	MOHNTA 86700	ARMSTRONG 4" HIGH	MOHNTA 86700	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	ANODIZED ALUMINUM BRONZE					WINDOW FRAMES - ANODIZED ALUMINUM BRONZE
32	OPEN OFFICE	ARMSTRONG	MOHNTA 86700	ARMSTRONG 4" HIGH	MOHNTA 86700	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT CHAM015 5522					WINDOW FRAME - ANODIZED ALUMINUM BRONZE
33	LABORATORY	ARMSTRONG	MOHNTA 86700	ARMSTRONG 4" HIGH	MOHNTA 86700	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT CHAM015 5522	KEWAUWEE SAND TAN #20 AND SAIL - FISH BLUE #29	KEMRESH BLACK			
34	ISOLATION ROOM	ARMSTRONG	MOHNTA 86700	ARMSTRONG 4" HIGH	MOHNTA 86700	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT CHAM015 5522	KEWAUWEE SAND TAN #20 AND SAIL - FISH BLUE #29	KEMRESH BLACK			
35	ISOLATION ROOM	ARMSTRONG	MOHNTA 86700	ARMSTRONG 4" HIGH	MOHNTA 86700	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT CHAM015 5522	KEWAUWEE SAND TAN #20 AND SAIL - FISH BLUE #29	KEMRESH BLACK			
36	AUTOCLAVE	ARMSTRONG	MOHNTA 86700	ARMSTRONG 4" HIGH	MOHNTA 86700	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT CHAM015 5522					
37	LABORATORY	ARMSTRONG	MOHNTA 86700	ARMSTRONG 4" HIGH	MOHNTA 86700	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT CHAM015 5522	KEWAUWEE SAND TAN #20 AND SAIL - FISH BLUE #29	KEMRESH BLACK			
38	ISOLATION ROOM	ARMSTRONG	MOHNTA 86700	ARMSTRONG 4" HIGH	MOHNTA 86700	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT CHAM015 5522	KEWAUWEE SAND TAN #20 AND SAIL - FISH BLUE #29	KEMRESH BLACK			
39	ISOLATION ROOM	ARMSTRONG	MOHNTA 86700	ARMSTRONG 4" HIGH	MOHNTA 86700	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT CHAM015 5522	KEWAUWEE SAND TAN #20 AND SAIL - FISH BLUE #29	KEMRESH BLACK			
40	ISOLATION ROOM	ARMSTRONG	MOHNTA 86700	ARMSTRONG 4" HIGH	MOHNTA 86700	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT CHAM015 5522	KEWAUWEE SAND TAN #20 AND SAIL - FISH BLUE #29	KEMRESH BLACK			
41	ISOLATION ROOM	ARMSTRONG	MOHNTA 86700	ARMSTRONG 4" HIGH	MOHNTA 86700	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT CHAM015 5522	KEWAUWEE SAND TAN #20 AND SAIL - FISH BLUE #29	KEMRESH BLACK			

F & D - FRAME AND DOOR  
 LC - LAB CASEWORK  
 CT - COUNTERTOP  
 MW - MILLWORK

**NOTE:**  
 ALL PAINT SHALL BE FLOROCK,  
 ONE COAT PIGMENTED AQUA  
 PRIME EPOXY AND TWO COATS  
 PIGMENTED FLOROBASE 60.  
 PRATT & LAMBERT COLORS  
 GIVEN ARE FOR COLOR  
 MATCHING ONLY.

REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				<b>COLOR SCHEDULE</b>
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WRA	WRA	WBS	DEC-WI-827-422.6

A 66

# COLOR SCHEDULE

ROOM NO.	ROOM NAME	FLOOR		BASE		WALLS						CEILING		ACCESSORIES				NOTES		
						NORTH		EAST		SOUTH		WEST				F & D	LC		CT	MW
		MFG.	COLOR	MFG.	COLOR	MFG.	COLOR	MFG.	COLOR	MFG.	COLOR	MFG.	COLOR	MFG.	COLOR					
42	LABORATORY	ARMSTRONG	MONTINA 86700	ARMSTRONG	MONTINA 86700 4" HIGH	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT CHAMOIS 5522	KEWAUNEE SANDTAN #20 AND SAIL-FISH BLUE #29	KEPTRESH BLACK		
43	AUTOCLAVE	ARMSTRONG	MONTINA 86700	ARMSTRONG	MONTINA 86700 4" HIGH	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT CHAMOIS 5522				
44	LABORATORY	ARMSTRONG	MONTINA 86700	ARMSTRONG	MONTINA 86700 4" HIGH	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT CHAMOIS 5522	KEWAUNEE SANDTAN #20 AND SAIL-FISH BLUE #29	KEPTRESH BLACK		
45	ISOLATION ROOM	ARMSTRONG	MONTINA 86700	ARMSTRONG	MONTINA 86700 4" HIGH	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT CHAMOIS 5522	KEWAUNEE SANDTAN #20 AND SAIL-FISH BLUE #29	KEPTRESH BLACK		
46	ISOLATION ROOM	ARMSTRONG	MONTINA 86700	ARMSTRONG	MONTINA 86700 4" HIGH	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT CHAMOIS 5522	KEWAUNEE SANDTAN #20 AND SAIL-FISH BLUE #29	KEPTRESH BLACK		
47	ENTRY	ARMSTRONG	MONTINA 86700	ARMSTRONG	MONTINA 86700 4" HIGH	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT CHAMOIS 5522				
48	STORAGE	ARMSTRONG	MONTINA 86700	ARMSTRONG	MONTINA 86700 4" HIGH	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT CHAMOIS 5522				
49	COLD ROOM																			PREFAB UNIT
50	EGG INCUBATION	ARMSTRONG	MONTINA 86700	ARMSTRONG	MONTINA 86700 4" HIGH	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT CHAMOIS 5522				
51	CORRIDOR	ARMSTRONG	MONTINA 86700	ARMSTRONG	MONTINA 86700 4" HIGH	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT CHAMOIS 5522				
52	COLD ROOM																			PREFAB UNIT
53	STORAGE	CONCRETE		EXPOSED BLOCK		EXPOSED BLOCK		EXPOSED BLOCK		EXPOSED BLOCK		EXPOSED BLOCK		CONCRETE		PRATT & LAMBERT CHAMOIS 5522				
54	AIR LOCK	PRATT & LAMBERT	FLAGSTONE 2516	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT CHAMOIS 5522				
55	DIRTY CORRIDOR	PRATT & LAMBERT	FLAGSTONE 2516	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT CHAMOIS 5522				
56	ANIMAL ISOLATION	PRATT & LAMBERT	FLAGSTONE 2516	PRATT & LAMBERT	FLAGSTONE 2516 4" HIGH	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT CHAMOIS 5522				WINDOW FRAME - PRATT & LAMBERT CHAMOIS 5522
57	CHANGE ROOM	PRATT & LAMBERT	FLAGSTONE 2516	PRATT & LAMBERT	FLAGSTONE 2516 4" HIGH	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT CHAMOIS 5522				
58	CHANGE ROOM	PRATT & LAMBERT	FLAGSTONE 2516	PRATT & LAMBERT	FLAGSTONE 2516 4" HIGH	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT CHAMOIS 5522				
59	ANIMAL ISOLATION	PRATT & LAMBERT	FLAGSTONE 2516	PRATT & LAMBERT	FLAGSTONE 2516 4" HIGH	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT CHAMOIS 5522				WINDOW FRAME - PRATT & LAMBERT CHAMOIS 5522
60	CHANGE ROOM	PRATT & LAMBERT	FLAGSTONE 2516	PRATT & LAMBERT	FLAGSTONE 2516 4" HIGH	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT CHAMOIS 5522				
61	ANIMAL ISOLATION	PRATT & LAMBERT	FLAGSTONE 2516	PRATT & LAMBERT	FLAGSTONE 2516 4" HIGH	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT	MEERSCHAUM 5520	PRATT & LAMBERT CHAMOIS 5522				WINDOW FRAME - PRATT & LAMBERT CHAMOIS 5522
62	CORRIDOR	ARMSTRONG	MONTINA 86700	ARMSTRONG	MONTINA 86700 4" HIGH	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	FRENCH VANILLA 3002	PRATT & LAMBERT	IVORY MIST 5500	PRATT & LAMBERT CHAMOIS 5522				WINDOW FRAMES - PRATT & LAMBERT 5522

F & D - FRAME AND DOOR  
 LC - LAB CASEWORK  
 CT - COUNTERTOP  
 MW - MILLWORK

**NOTE:**  
 ALL PAINT SHALL BE FLOROCK,  
 ONE COAT PIGMENTED AQUA  
 PRIME EPOXY AND TWO COATS  
 PIGMENTED FLOROBASE 80.  
 PRATT & LAMBERT COLORS  
 GIVEN ARE FOR COLOR  
 MATCHING ONLY.

REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY  
 ANIMAL ISOLATION BUILDING  
 MADISON, WISCONSIN**

**COLOR SCHEDULE**

DATE: 7/84    DESIGNED: WRA    DRAWN: WRA    CHECKED: WBS    DRAWING NO.: DEC-WI-927-423-B

ABB



## COLOR SCHEDULE

ROOM NO.	ROOM NAME	FLOOR		BASE		WALLS								CEILING		ACCESSORIES				NOTES	
						NORTH		EAST		SOUTH		WEST				F & D	LC	CT	MW		
		MFG.	COLOR	MFG.	COLOR	MFG.	COLOR	MFG.	COLOR	MFG.	COLOR	MFG.	COLOR	MFG.	COLOR						
85	ANIMAL ISOLATION	PRATT LAMBERT	FLAGSTONE 2516	PRATT LAMBERT 4" HIGH	FLAGSTONE 2516	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT CHAMLOIS 5522					WINDOW FRAME - PRATT LAMBERT CHAMLOIS 5522
86	DIRTY CORRIDOR	PRATT LAMBERT	FLAGSTONE 2516	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT CHAMLOIS 5522					
87	AIR LOCK	PRATT LAMBERT	FLAGSTONE 2516	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT CHAMLOIS 5522					
88	NECROPSY	ARMSTRONG	MONTINA 86700	ARMSTRONG 4" HIGH	MONTINA 86700	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT CHAMLOIS 5522	KENAWEE SANDPAPER #20 AND SAIL - PINK BLUE #29	KEENESEH BLACK			
89	INCINERATOR	CONCRETE		EXPOSED BLOCK		EXPOSED BLOCK		EXPOSED BLOCK		EXPOSED BLOCK		EXPOSED BLOCK		CONCRETE		PRATT LAMBERT CHAMLOIS 5522					
90	CHANGE ROOM	PRATT LAMBERT	FLAGSTONE 2516	PRATT LAMBERT 4" HIGH	FLAGSTONE 2516	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT CHAMLOIS 5522					
91	ANIMAL ISOLATION	PRATT LAMBERT	FLAGSTONE 2516	PRATT LAMBERT 4" HIGH	FLAGSTONE 2516	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT CHAMLOIS 5522					WINDOW FRAME - PRATT LAMBERT CHAMLOIS 5522
92	CHANGE ROOM	PRATT LAMBERT	FLAGSTONE 2516	PRATT LAMBERT 4" HIGH	FLAGSTONE 2516	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT CHAMLOIS 5522					
93	ANIMAL ISOLATION	PRATT LAMBERT	FLAGSTONE 2516	PRATT LAMBERT 4" HIGH	FLAGSTONE 2516	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT CHAMLOIS 5522					WINDOW FRAME - PRATT LAMBERT CHAMLOIS 5522
94	CORRIDOR	ARMSTRONG	MONTINA 86700	ARMSTRONG 4" HIGH	MONTINA 86700	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT CHAMLOIS 5522					WINDOW FRAMES - PRATT LAMBERT CHAMLOIS 5522
95	AIR LOCK	ARMSTRONG	MONTINA 86700	ARMSTRONG 4" HIGH	ARMSTRONG 86700	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT CHAMLOIS 5522					
96	ANIMAL ISOLATION	PRATT LAMBERT	FLAGSTONE 2516	PRATT LAMBERT 4" HIGH	FLAGSTONE 2516	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT CHAMLOIS 5522					WINDOW FRAME - PRATT LAMBERT CHAMLOIS 5522
97	CHANGE ROOM	PRATT LAMBERT	FLAGSTONE 2516	PRATT LAMBERT 4" HIGH	FLAGSTONE 2516	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT CHAMLOIS 5522					
98	CHANGE ROOM	PRATT LAMBERT	FLAGSTONE 2516	PRATT LAMBERT 4" HIGH	FLAGSTONE 2516	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT CHAMLOIS 5522					
99	ANIMAL ISOLATION	PRATT LAMBERT	FLAGSTONE 2516	PRATT LAMBERT 4" HIGH	FLAGSTONE 2516	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT CHAMLOIS 5522					WINDOW FRAME - PRATT LAMBERT CHAMLOIS 5522
100	ANIMAL ISOLATION	PRATT LAMBERT	FLAGSTONE 2516	PRATT LAMBERT 4" HIGH	FLAGSTONE 2516	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT CHAMLOIS 5522					WINDOW FRAME - PRATT LAMBERT CHAMLOIS 5522
101	CHANGE ROOM	PRATT LAMBERT	FLAGSTONE 2516	PRATT LAMBERT 4" HIGH	FLAGSTONE 2516	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT CHAMLOIS 5522					
102	CHANGE ROOM	PRATT LAMBERT	FLAGSTONE 2516	PRATT LAMBERT 4" HIGH	FLAGSTONE 2516	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT CHAMLOIS 5522					
103	ANIMAL ISOLATION	PRATT LAMBERT	FLAGSTONE 2516	PRATT LAMBERT 4" HIGH	FLAGSTONE 2516	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT CHAMLOIS 5522					WINDOW FRAME - PRATT LAMBERT CHAMLOIS 5522
104	ANIMAL ISOLATION	PRATT LAMBERT	FLAGSTONE 2516	PRATT LAMBERT 4" HIGH	FLAGSTONE 2516	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT	MEERSCHAUM 5520	PRATT LAMBERT CHAMLOIS 5522					WINDOW FRAME - PRATT LAMBERT CHAMLOIS 5522
105	CHANGE ROOM	PRATT LAMBERT	FLAGSTONE 2516	PRATT LAMBERT 4" HIGH	FLAGSTONE 2516	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT CHAMLOIS 5522					
106	CORRIDOR	ARMSTRONG	MONTINA 86700	ARMSTRONG 4" HIGH	MONTINA 86700	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT	FRENCH VANILLA 3002	PRATT LAMBERT CHAMLOIS 5522					WINDOW FRAMES - PRATT LAMBERT CHAMLOIS 5522

F & D - FRAME AND DOOR  
 LC - LAB CASEWORK  
 CT - COUNTERTOP  
 MW - MILLWORK

**NOTE:**  
 ALL PAINT SHALL BE FLOROCK,  
 ONE COAT PIGMENTED AQUA  
 PRIME EPOXY AND TWO COATS  
 PIGMENTED FLOROBASE 80.  
 PRATT & LAMBERT COLORS  
 GIVEN ARE FOR COLOR  
 MATCHING ONLY.

REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY</b> <b>ANIMAL ISOLATION BUILDING</b> <b>MADISON, WISCONSIN</b>				
<b>COLOR SCHEDULE</b>			<b>DEC-WI-027-425 B</b>	
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WRA	WRA	WBS	DEC-WI-027-425 B

A 68

## COLOR SCHEDULE

ROOM NO.	ROOM NAME	FLOOR		BASE		WALLS								CEILING		ACCESSORIES				NOTES				
						NORTH		EAST		SOUTH		WEST				F & D	LC	CT	MW					
		MFG.	COLOR	MFG.	COLOR	MFG.	COLOR	MFG.	COLOR	MFG.	COLOR	MFG.	COLOR	MFG.	COLOR									
107	CHANGE ROOM	PRATT'S LAMBERT	FLAGSTONE 2516	PRATT'S LAMBERT	FLAGSTONE 2516	PRATT'S LAMBERT	FRENCH VANILLA 3002	PRATT'S LAMBERT	FRENCH VANILLA 3002	PRATT'S LAMBERT	FRENCH VANILLA 3002	PRATT'S LAMBERT	FRENCH VANILLA 3002	PRATT'S LAMBERT	FRENCH VANILLA 3002	PRATT'S LAMBERT	IVORY MIST 5500	PRATT'S LAMBERT	CHAMMOIS 5522					
108	ANIMAL ISOLATION	PRATT'S LAMBERT	FLAGSTONE 2516	PRATT'S LAMBERT	FLAGSTONE 2516	PRATT'S LAMBERT	MEERSCHAUM 5520	PRATT'S LAMBERT	MEERSCHAUM 5520	PRATT'S LAMBERT	MEERSCHAUM 5520	PRATT'S LAMBERT	MEERSCHAUM 5520	PRATT'S LAMBERT	MEERSCHAUM 5520	PRATT'S LAMBERT	MEERSCHAUM 5520	PRATT'S LAMBERT	CHAMMOIS 5522					WINDOW FRAME - PRATT'S LAMBERT CHAMMOIS 5522
109	FEED AND CAGE STORAGE	PRATT'S LAMBERT	FLAGSTONE 2516	PRATT'S LAMBERT	FRENCH VANILLA 3002	PRATT'S LAMBERT	FRENCH VANILLA 3002	PRATT'S LAMBERT	FRENCH VANILLA 3002	PRATT'S LAMBERT	FRENCH VANILLA 3002	PRATT'S LAMBERT	FRENCH VANILLA 3002	PRATT'S LAMBERT	FRENCH VANILLA 3002	PRATT'S LAMBERT	IVORY MIST 5500	PRATT'S LAMBERT	CHAMMOIS 5522					
110	CAGE WASH AND LAUNDRY	PRATT'S LAMBERT	FLAGSTONE 2516	PRATT'S LAMBERT	FRENCH VANILLA 3002	PRATT'S LAMBERT	FRENCH VANILLA 3002	PRATT'S LAMBERT	FRENCH VANILLA 3002	PRATT'S LAMBERT	FRENCH VANILLA 3002	PRATT'S LAMBERT	FRENCH VANILLA 3002	PRATT'S LAMBERT	FRENCH VANILLA 3002	PRATT'S LAMBERT	IVORY MIST 5500	PRATT'S LAMBERT	CHAMMOIS 5522					
201	UPPER MECHANICAL ROOM	CONCRETE		EXPOSED BLOCK		EXPOSED BLOCK		EXPOSED BLOCK		EXPOSED BLOCK		EXPOSED BLOCK		EXPOSED BLOCK		EXPOSED CONCRETE		PRATT'S LAMBERT	CHAMMOIS 5522					
202	MECHANICAL CHASE	PLYWOOD		EXPOSED BLOCK		EXPOSED BLOCK & EXPOSED METAL STUD		EXPOSED BLOCK & EXPOSED METAL STUD		EXPOSED BLOCK & EXPOSED METAL STUD		EXPOSED BLOCK & EXPOSED METAL STUD		EXPOSED BLOCK & EXPOSED METAL STUD		EXPOSED METAL STUD								
203	MECHANICAL CHASE	PLYWOOD		EXPOSED BLOCK		EXPOSED BLOCK & EXPOSED METAL STUD		EXPOSED BLOCK & EXPOSED METAL STUD		EXPOSED BLOCK & EXPOSED METAL STUD		EXPOSED BLOCK & EXPOSED METAL STUD		EXPOSED BLOCK & EXPOSED METAL STUD		EXPOSED METAL STUD		PRATT'S LAMBERT	CHAMMOIS 5522					
204	MECHANICAL CHASE	PLYWOOD		EXPOSED BLOCK		EXPOSED BLOCK & EXPOSED METAL STUD		EXPOSED BLOCK & EXPOSED METAL STUD		EXPOSED BLOCK & EXPOSED METAL STUD		EXPOSED BLOCK & EXPOSED METAL STUD		EXPOSED BLOCK & EXPOSED METAL STUD		EXPOSED METAL STUD								
205	MECHANICAL CHASE	PLYWOOD		EXPOSED BLOCK		EXPOSED BLOCK & EXPOSED METAL STUD		EXPOSED BLOCK & EXPOSED METAL STUD		EXPOSED BLOCK & EXPOSED METAL STUD		EXPOSED BLOCK & EXPOSED METAL STUD		EXPOSED BLOCK & EXPOSED METAL STUD		EXPOSED METAL STUD								
206	MECHANICAL CHASE	PLYWOOD		EXPOSED BLOCK		EXPOSED BLOCK & EXPOSED METAL STUD		EXPOSED BLOCK & EXPOSED METAL STUD		EXPOSED BLOCK & EXPOSED METAL STUD		EXPOSED BLOCK & EXPOSED METAL STUD		EXPOSED BLOCK & EXPOSED METAL STUD		EXPOSED METAL STUD								
207	MECHANICAL CHASE	PLYWOOD		EXPOSED BLOCK		EXPOSED BLOCK & EXPOSED METAL STUD		EXPOSED BLOCK & EXPOSED METAL STUD		EXPOSED BLOCK & EXPOSED METAL STUD		EXPOSED BLOCK & EXPOSED METAL STUD		EXPOSED BLOCK & EXPOSED METAL STUD		EXPOSED METAL STUD		PRATT'S LAMBERT	CHAMMOIS 5522					

F & D - FRAME AND DOOR  
 LC - LAB CASEWORK  
 CT - COUNTERTOP  
 MW - MILLWORK

**NOTE:**  
 ALL PAINT SHALL BE FLOROCK,  
 ONE COAT PIGMENTED AQUA  
 PRIME EPOXY AND TWO COATS  
 PIGMENTED FLORBASE 80.  
 PRATT & LAMBERT COLORS  
 GIVEN ARE FOR COLOR  
 MATCHING ONLY.

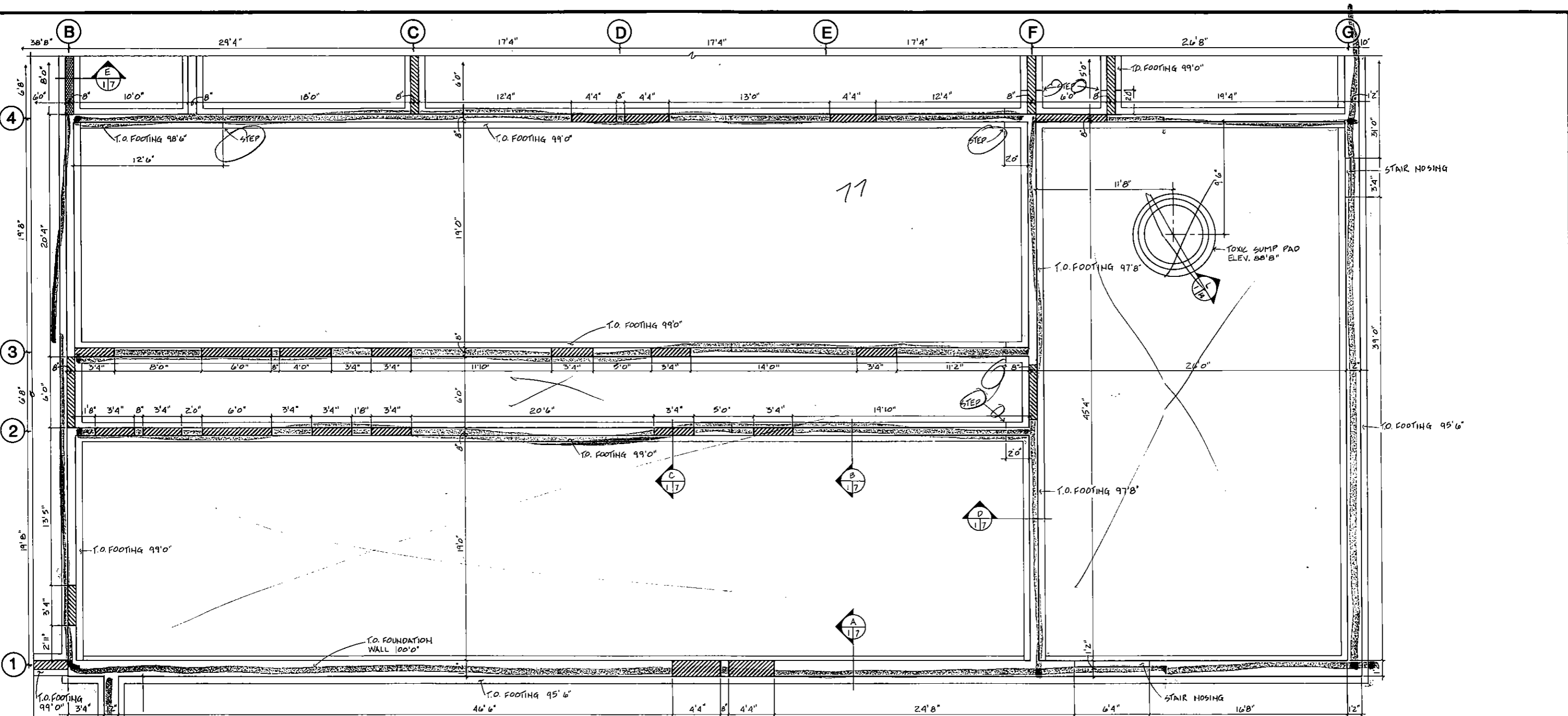
REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY**  
**ANIMAL ISOLATION BUILDING**  
**MADISON, WISCONSIN**

**COLOR SCHEDULE**

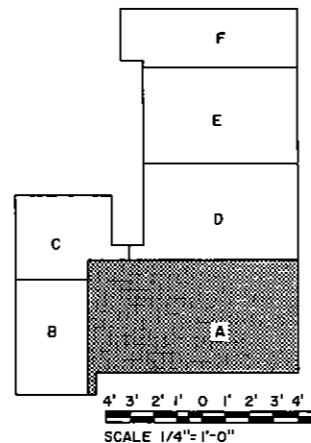
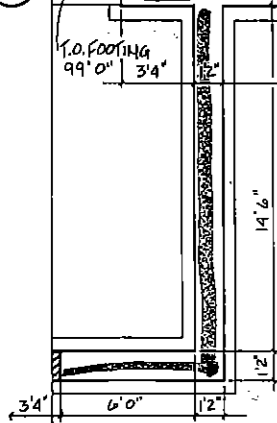
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A69

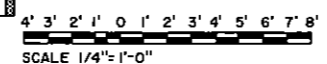


**FOUNDATION PLAN 'A'**  
SCALE 1/4"=1'-0"

*Handwritten notes:*  
10868  
19  
20  
15  
76  
32  
788



- T.O. FOUNDATION WALL 99'0" 105
- T.O. FOUNDATION WALL 99'6"



REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN**

**FOUNDATION PLAN 'A'**

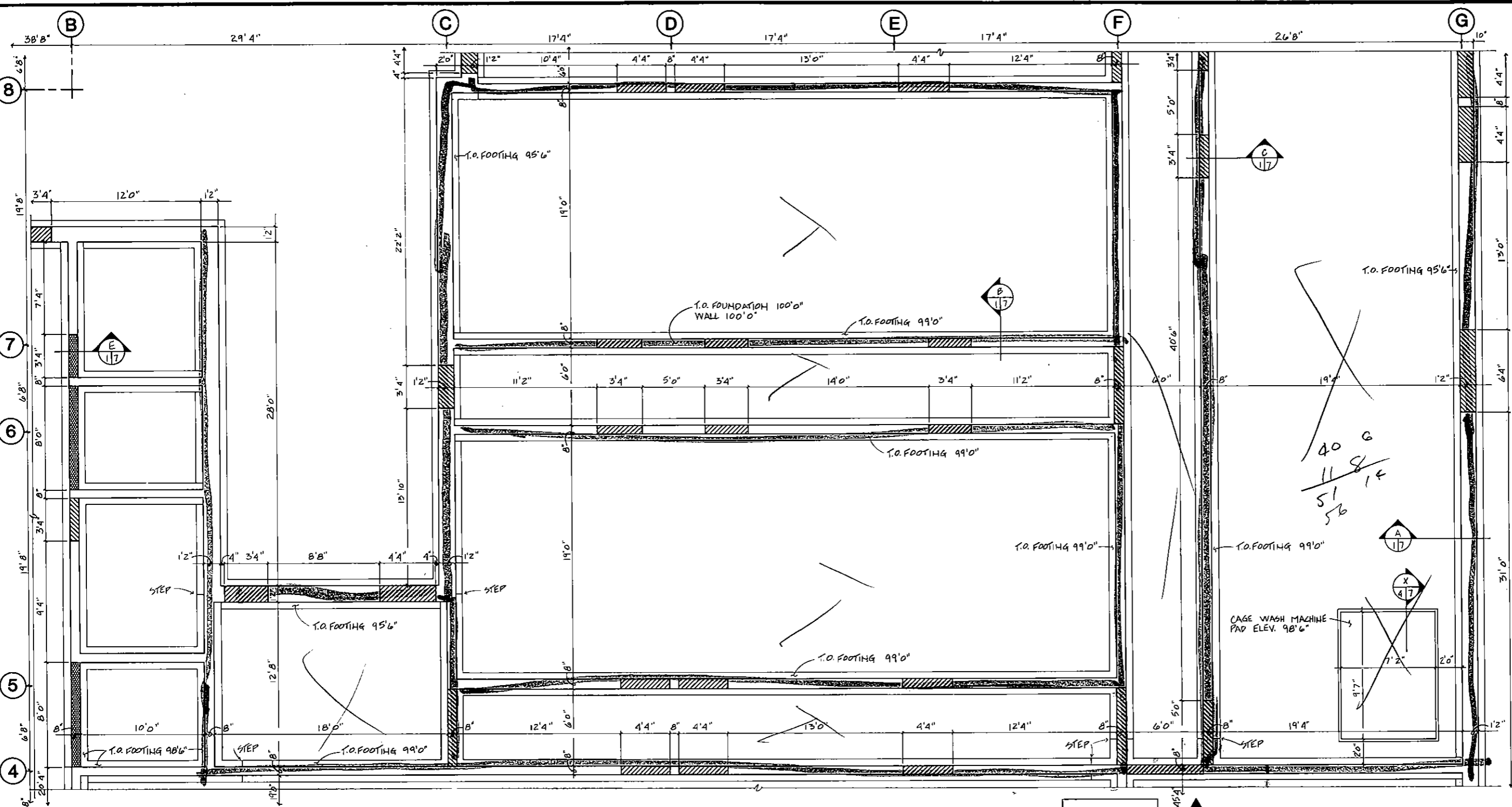
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	LM	WRA	LM	DEC-WI-927-427.0

**LS**









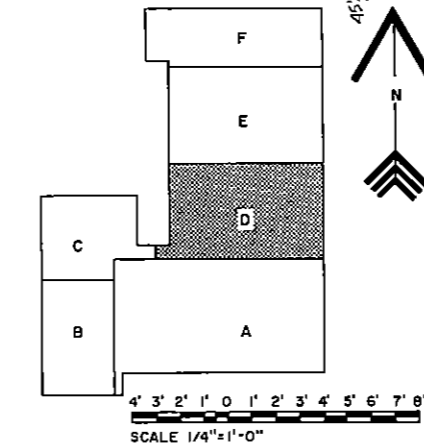
235  
288

40 G  
118  
56

13 10  
15 3 4  
22 6  
42 10

21 6  
13 8 2  
34 16  
51 4

**FOUNDATION PLAN 'D'**  
SCALE 1/4"=1'-0"

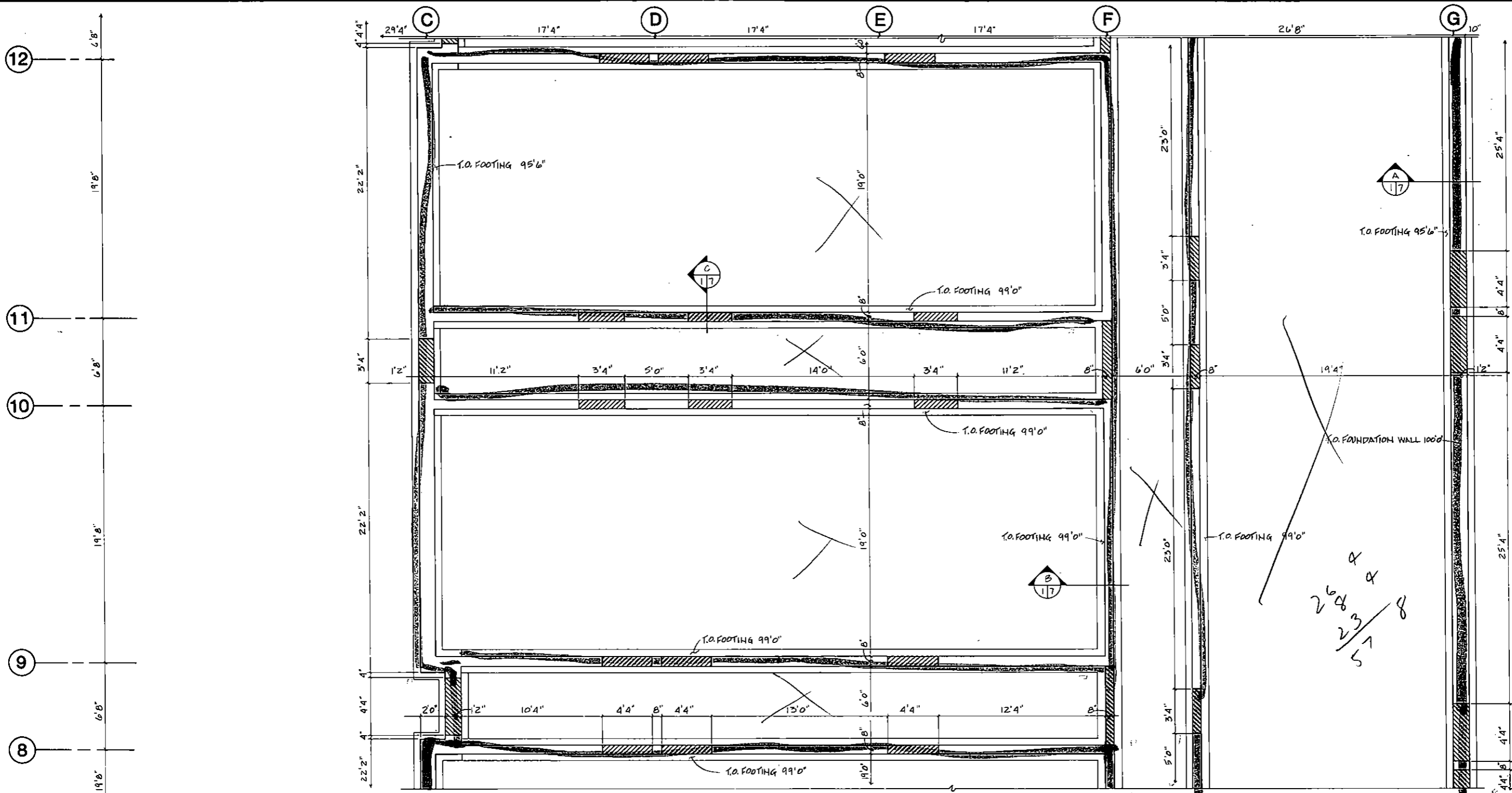


REVISION	STATUS	DATE	DESCRIPTION	BY

MADISON NATIONAL WILDLIFE  
HEALTH LABORATORY  
ANIMAL ISOLATION BUILDING  
MADISON, WISCONSIN

DATE 7/84 DESIGNED LM DRAWN WRA CHECKED LM DRAWING NO. DEC-WI-927-430 .0

**54**

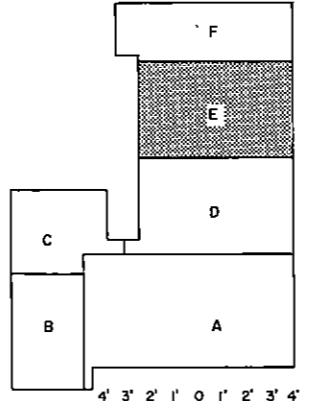


12  
11  
10  
9  
8

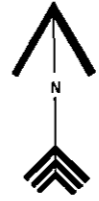
**FOUNDATION PLAN 'E'**  
SCALE 1/4"=1'-0"

19'6"  
25'6"  
19'  
50'  
53'  
48'  
10'8"  
8'  
4'

25'  
22'  
9'7"



SCALE 1/4"=1'-0"



T.O. FOUNDATION WALL 99'0"  
 T.O. FOUNDATION WALL 99'6"

REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN**

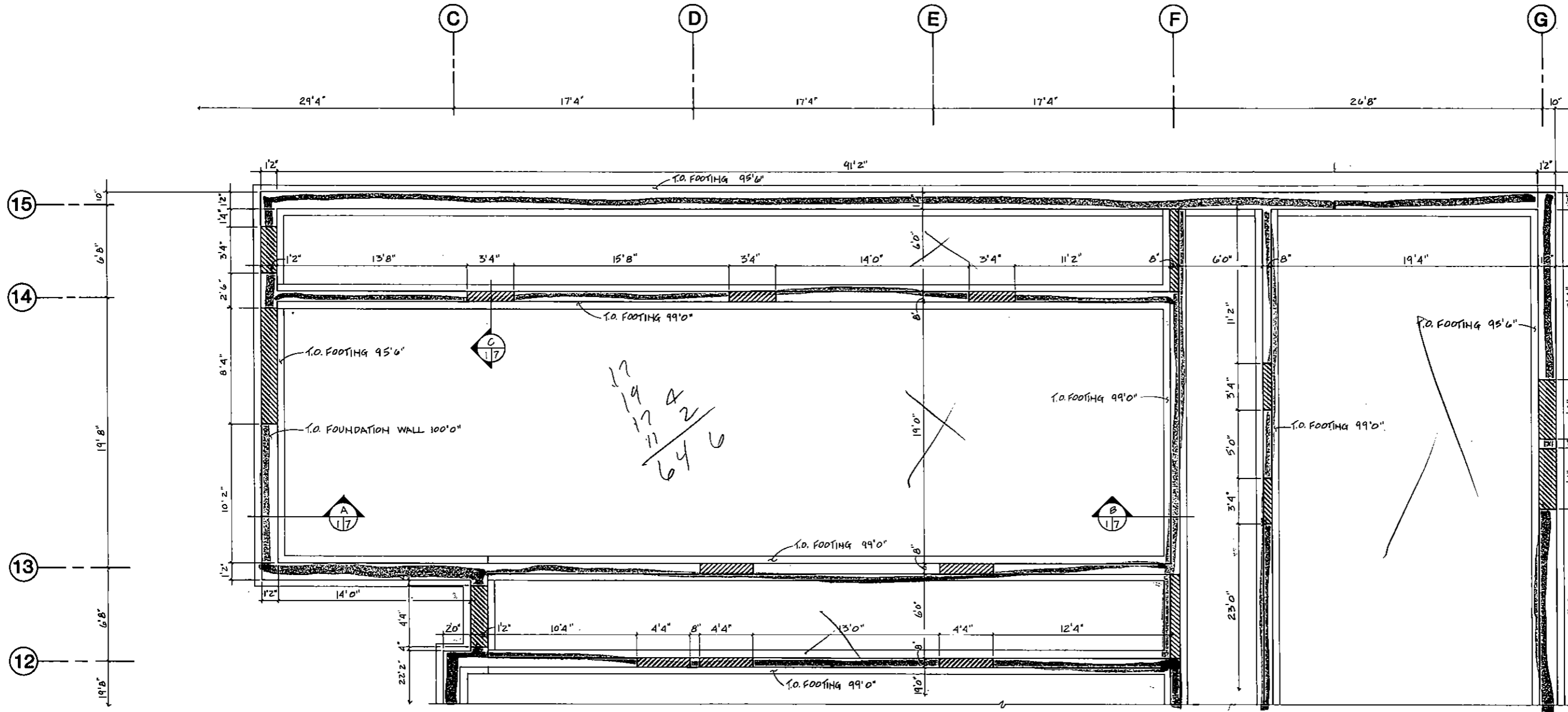
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	LM	WRA	LM	DEC-WI-927-431.0

26'8"  
23'  
5'  
8

62  
✓

1  
25 4  
9 4  
25 4  
60 12

**SS**



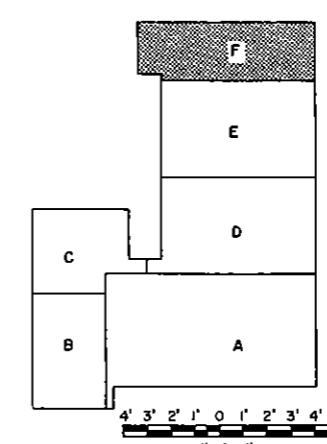
15

14

13

12

**FOUNDATION PLAN 'F'**  
SCALE 1/4"=1'-0"



T.O. FOUNDATION WALL 99'0"  
 T.O. FOUNDATION WALL 99'6"

$$\begin{array}{r} 18 \\ 25 \\ \hline 25 \\ 26 \end{array}$$

$$\begin{array}{r} 19 \\ 16 \\ 6 \\ \hline 42 \\ 4 \end{array}$$

$$\begin{array}{r} 18 \\ 4 \\ \hline 22 \\ 10 \end{array}$$

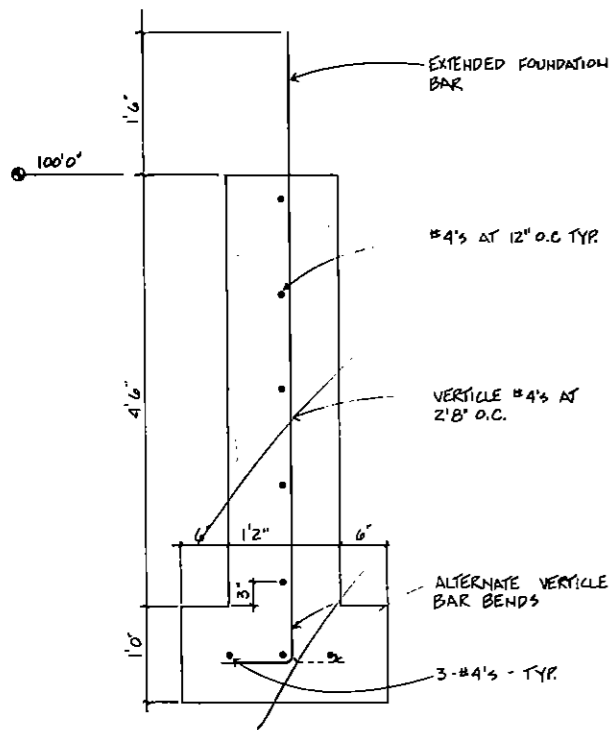
REVISION	STATUS	DATE	DESCRIPTION	BY

MADISON NATIONAL WILDLIFE HEALTH LABORATORY  
 ANIMAL ISOLATION BUILDING  
 MADISON, WISCONSIN

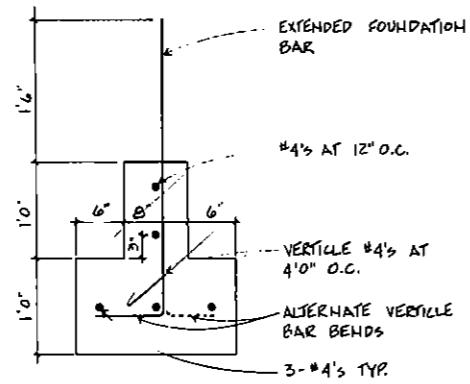
**FOUNDATION PLAN 'F'**

DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	LM	WRA	LM	DEC-WI-927-432.0

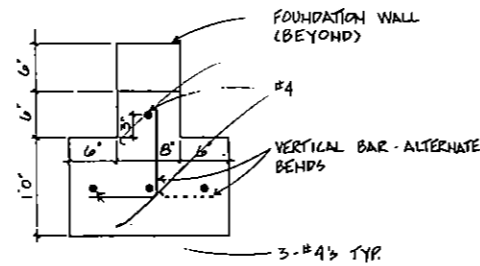
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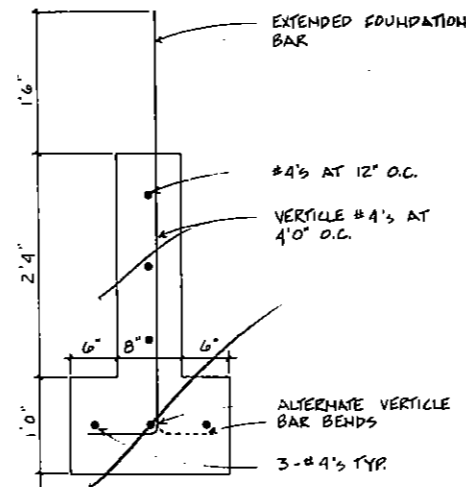
**A** FOUNDATION SECTION  
SCALE 1":1'-0"



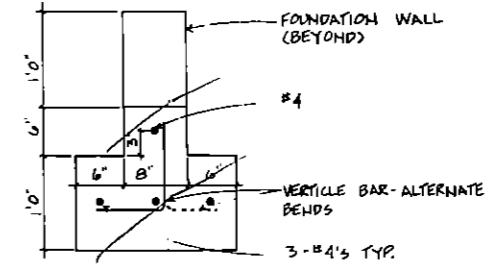
**B** FOUNDATION SECTION  
SCALE 1":1'-0"



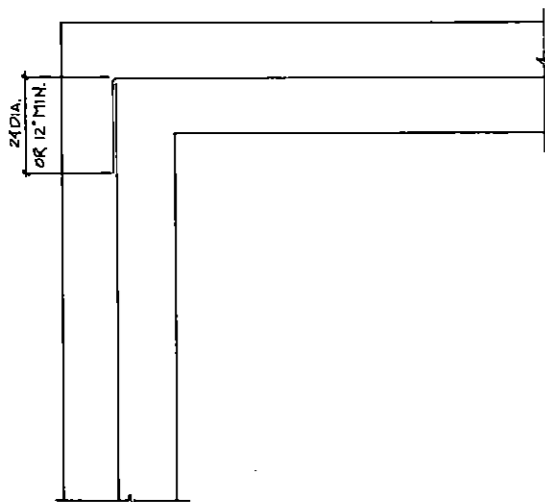
**C** FOUNDATION SECTION  
SCALE 1":1'-0"



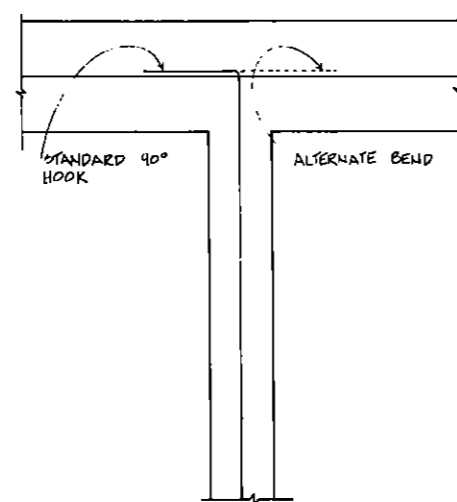
**D** FOUNDATION SECTION  
SCALE 1":1'-0"



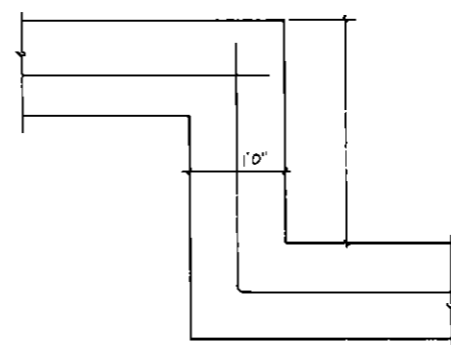
**E** FOUNDATION SECTION  
SCALE 1":1'-0"



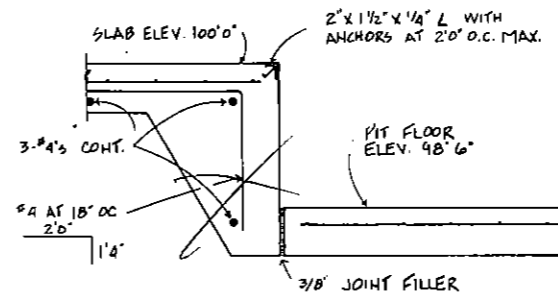
TYPICAL CORNER DETAIL



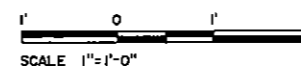
TYPICAL INTERSECTION DETAIL



TYPICAL STEPPED FOOTING DETAIL

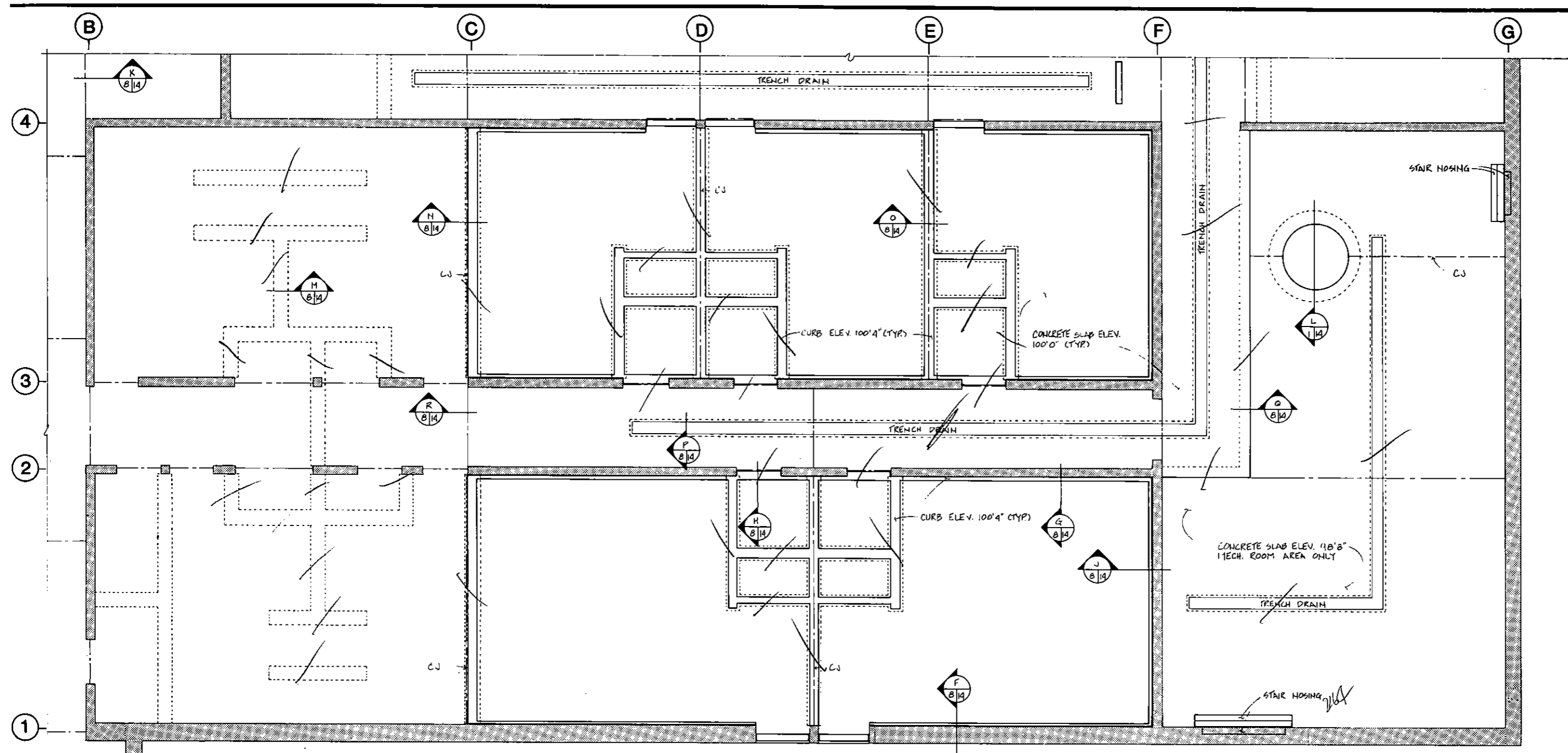


**X** PIT DETAIL  
SCALE 1":1'-0"



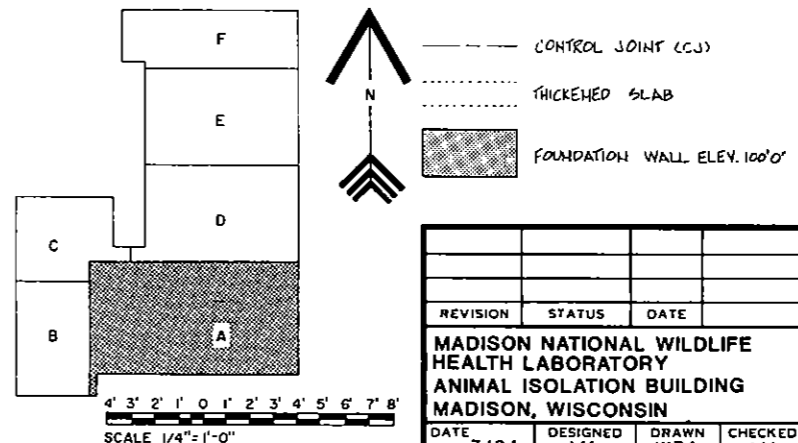
REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	LM	WRA	LM	DEC-WI-927-433.0

57



**FLOOR SLAB PLAN 'A'**  
SCALE 1/4"=1'-0"

- NOTES:**
1. CONCRETE SLAB-6" THICK WITH WWF 6 x 6, W 4.0 x 4.0 TYPICAL FOR ALL SLABS.
  2. FLOOR SLOPES AND DRAINS NOT SHOWN. SEE MECHANICAL DRAWINGS FOR SLOPES AND DRAIN LOCATIONS. SHEETS M-12 THRU M-17.
  3. ADD 2 #4's x 4'-0" LONG DIAGONAL AT REENTRANT CORNERS OF SLAB.
  4. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS. SHEETS A-3 THRU A-8.
  5. REFERENCE ELEVATION 100'-0" ON DRAWINGS EQUAL TO 1055.00 MSL.
  6. CONCRETE APRONS AND MECHANICAL EQUIPMENT PADS NOT SHOWN. SEE CIVIL DRAWING L-3.



REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING**

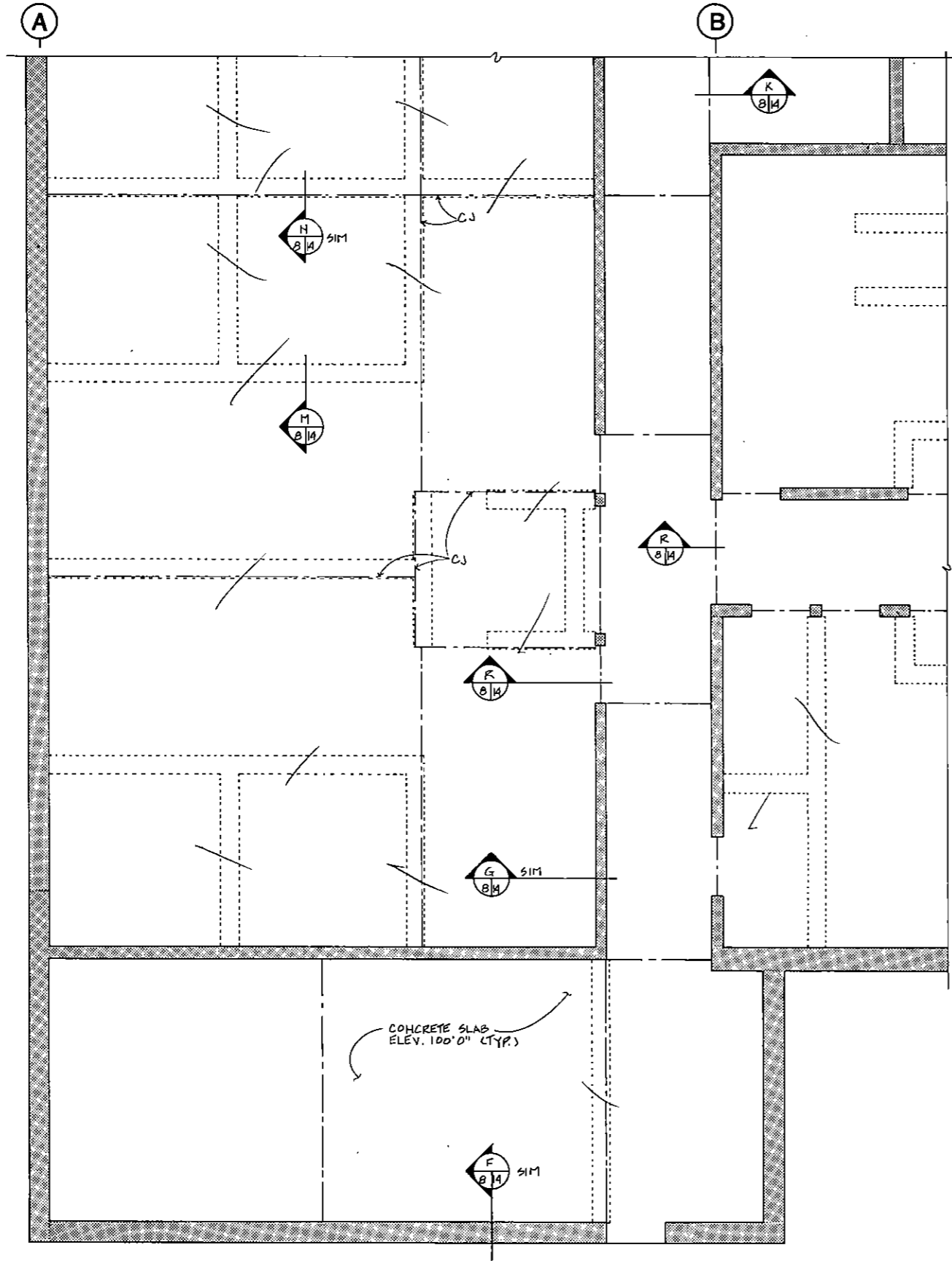
**FLOOR SLAB PLAN 'A'**

MADISON, WISCONSIN

DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	LM	WRA	LM	DEC-WI-927-434.0

**BS**

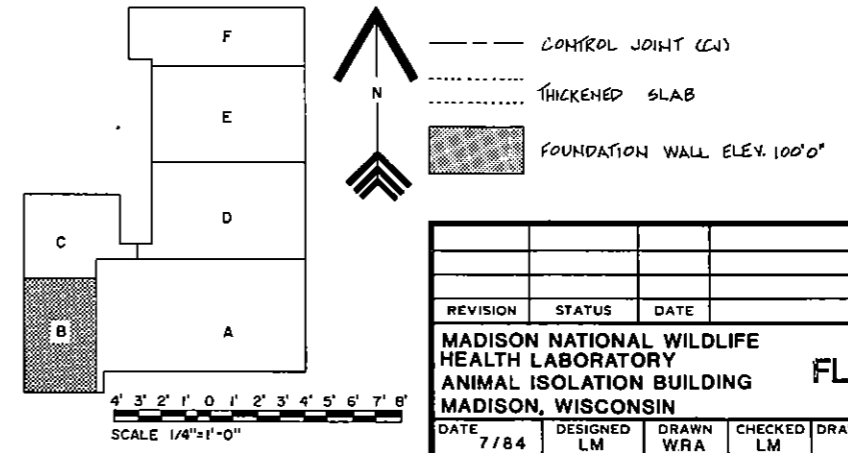
4  
3  
2  
1



**FLOOR SLAB PLAN 'B'**  
SCALE 1/4"=1'-0"

CONCRETE SLAB  
ELEV. 100'-0" (TYP.)

- NOTES:**
1. CONCRETE SLAB-6" THICK WITH WWF 8 x 8, W 4.0 x W4.0 TYPICAL FOR ALL SLABS.
  2. FLOOR SLOPES AND DRAINS NOT SHOWN. SEE MECHANICAL DRAWINGS FOR SLOPES AND DRAIN LOCATIONS. SHEETS M-12 THRU M-17.
  3. ADD 2 #4's x 4'-0" LONG DIAGONAL AT REENTRANT CORNERS OF SLAB.
  4. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS. SHEETS A-3 THRU A-8.
  5. REFERENCE ELEVATION 100'-0" ON DRAWINGS EQUAL TO 1055.00 MSL
  6. CONCRETE APRONS AND MECHANICAL EQUIPMENT PADS NOT SHOWN. SEE CIVIL DRAWINGS L-3.



REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN**

**FLOOR SLAB PLAN 'B'**

DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	LM	WRA	LM	DEC-WI-927-435.0

SS



8

A

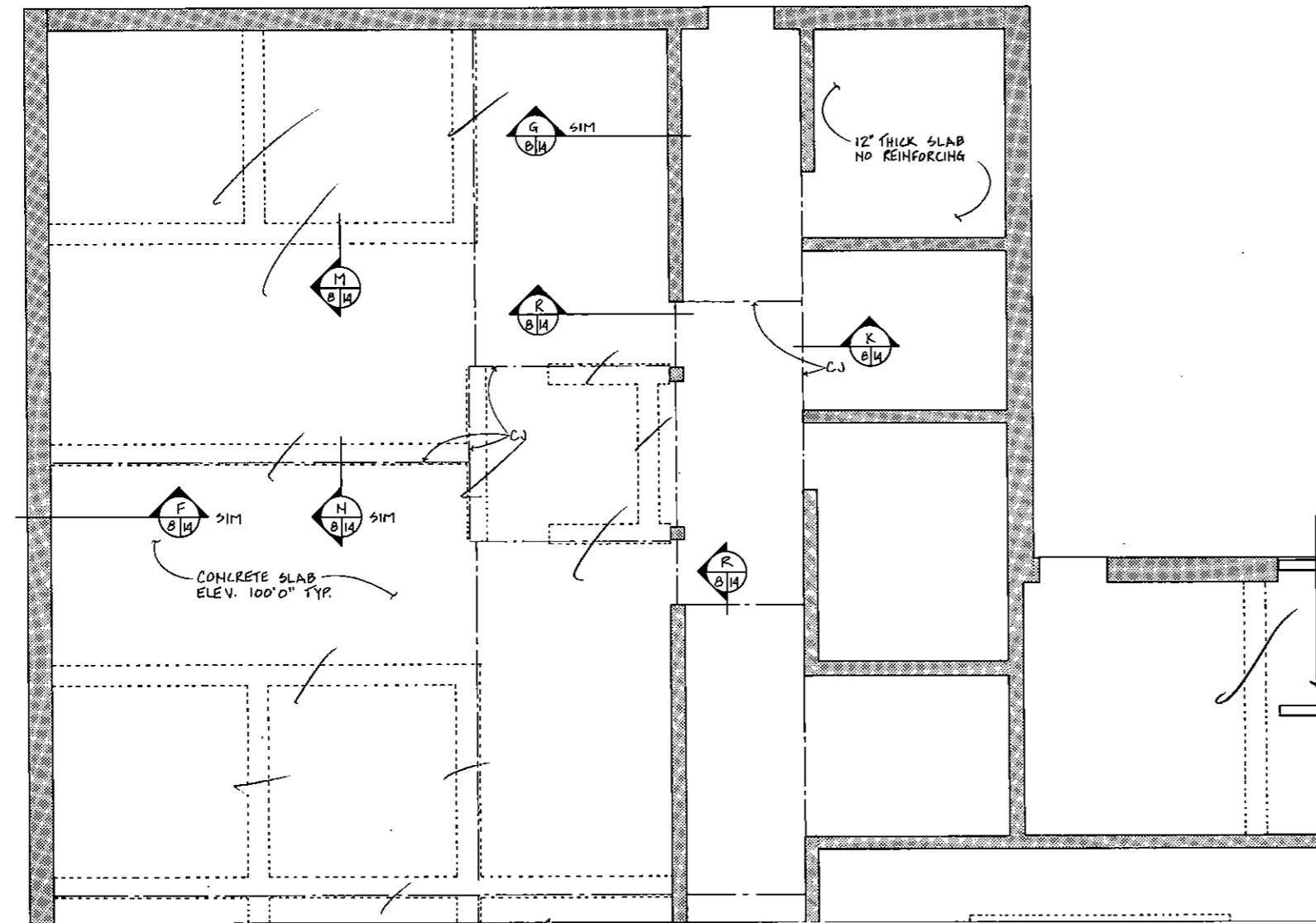
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7

6

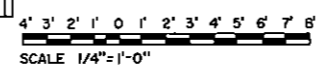
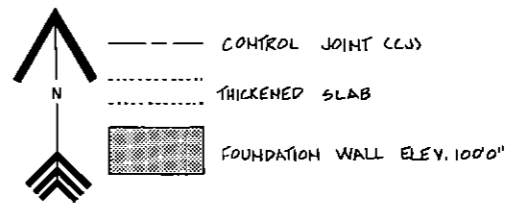
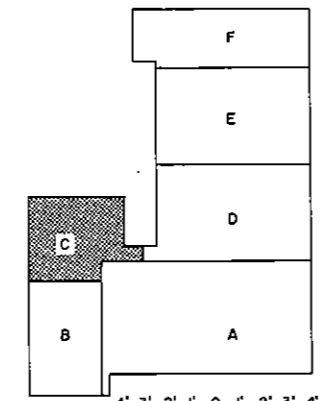
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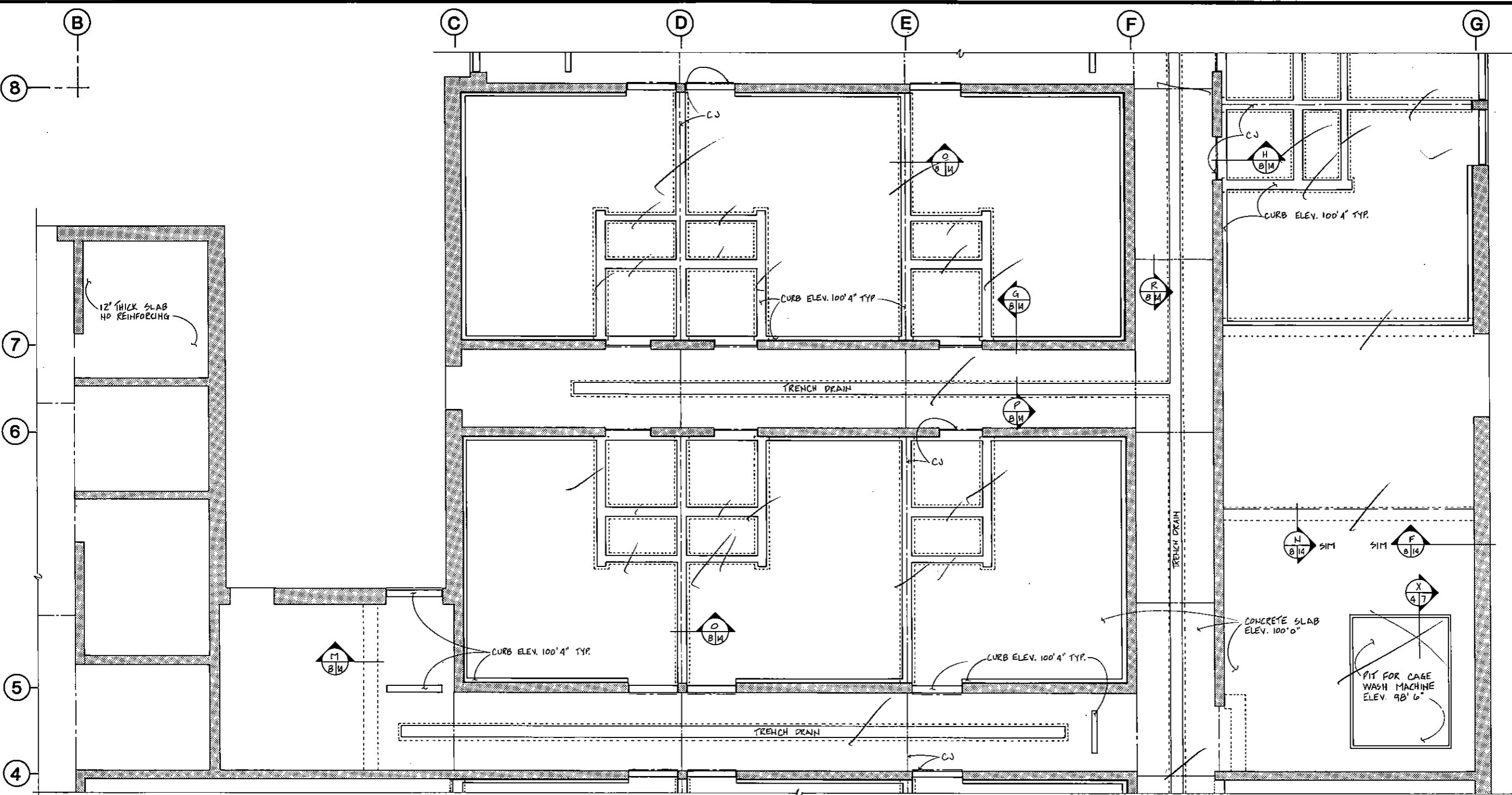
- NOTES:**
1. CONCRETE SLAB-6" THICK WITH WWF 6 x 6, W 4.0 x W4.0 TYPICAL FOR ALL SLABS.
  2. FLOOR SLOPES AND DRAINS NOT SHOWN. SEE MECHANICAL DRAWINGS FOR SLOPES AND DRAIN LOCATIONS. SHEETS M-12 THRU M-17.
  3. ADD 2 #4's x 4'-0" LONG DIAGONAL AT REENTRANT CORNERS OF SLAB.
  4. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS. SHEETS A-3 THRU A-8.
  5. REFERENCE ELEVATION 100'-0" ON DRAWINGS EQUAL TO 1055.00 MSL
  6. CONCRETE APPRONS AND MECHANICAL EQUIPMENT PADS NOT SHOWN. SEE CIVIL DRAWINGS L-3.

**FLOOR SLAB PLAN 'C'**  
SCALE 1/4"=1'-0"



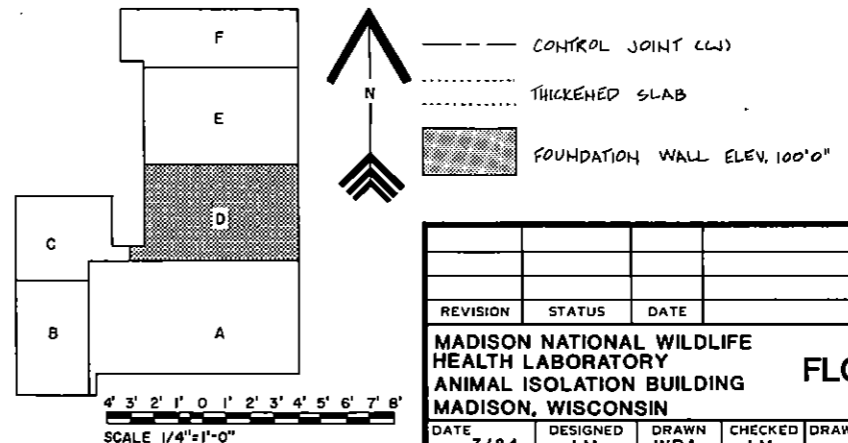
REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING FLOOR SLAB PLAN 'C'</b> <b>MADISON, WISCONSIN</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	LM	WRA	LM	DEC-WI-927-436.0

**S10**



**FLOOR SLAB PLAN 'D'**  
SCALE 1/4"=1'-0"

- NOTES:**
1. CONCRETE SLAB-6" THICK WITH WWF 6 x 8, W 4.0 x 4.0 TYPICAL FOR ALL SLABS.
  2. FLOOR SLOPES AND DRAINS NOT SHOWN. SEE MECHANICAL DRAWINGS FOR SLOPES AND DRAIN LOCATIONS. SHEETS M-12 THRU M-17.
  3. ADD 2 #4's x 4'-0" LONG DIAGONAL AT REENTRANT CORNERS OF SLAB.
  4. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS. SHEETS A-3 THRU A-8.
  5. REFERENCE ELEVATION 100'-0" ON DRAWINGS EQUAL TO 1055.00 MSL.
  6. CONCRETE APRONS AND MECHANICAL EQUIPMENT PADS NOT SHOWN. SEE CIVIL DRAWING L-3.



REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN**

**FLOOR SLAB PLAN 'D'**

DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	LM	WRA	LM	DEC-WI-927-437.0

**SL**

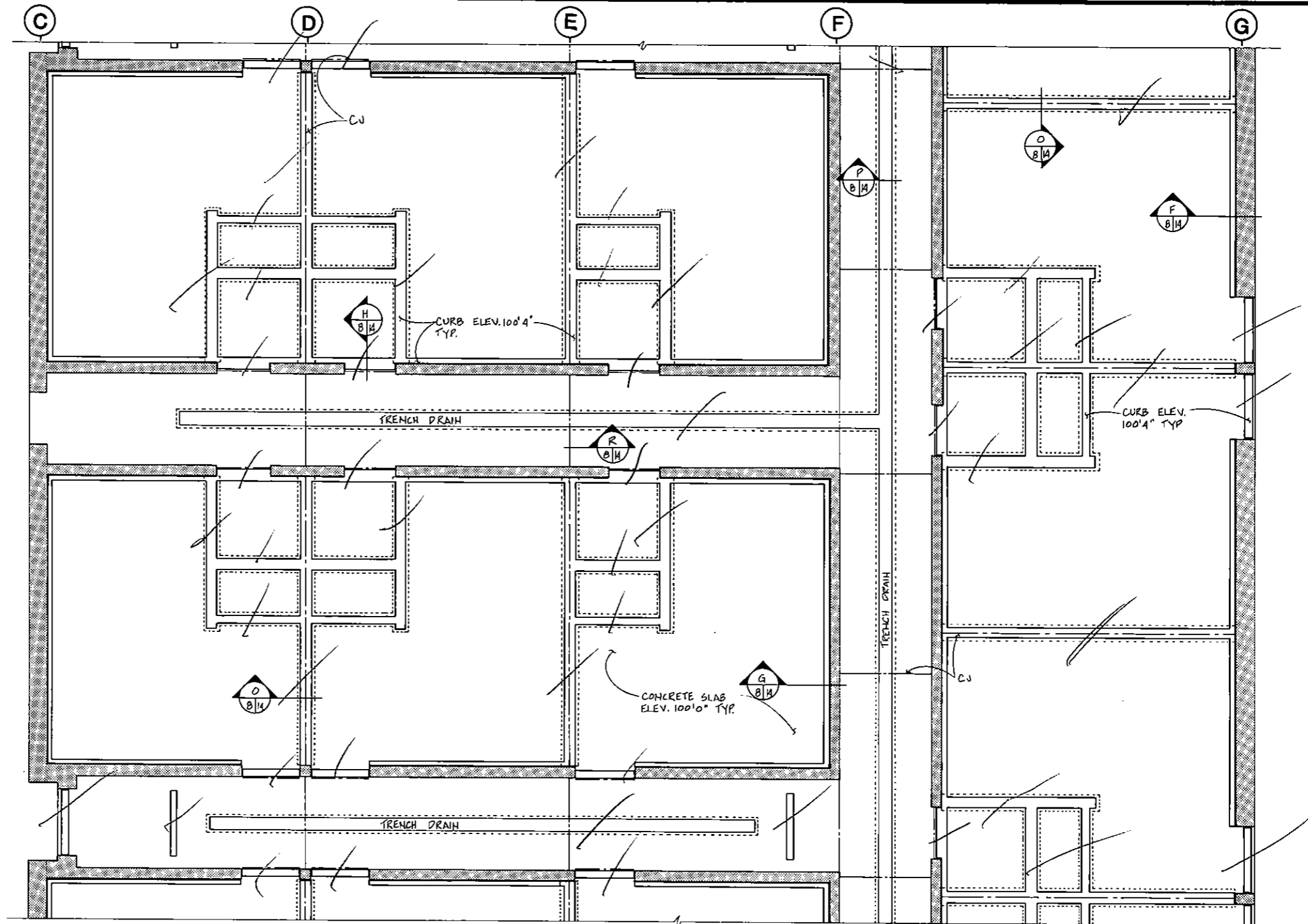
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9

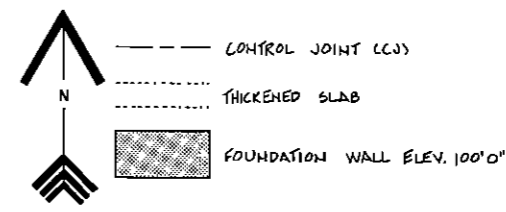
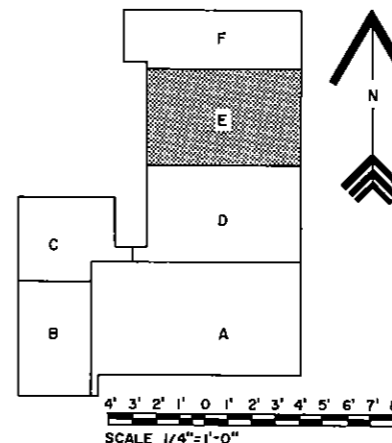
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**FLOOR SLAB PLAN 'E'**  
SCALE 1/4"=1'-0"

**NOTES:**

1. CONCRETE SLAB-6" THICK WITH WWF 6 x 6, W 4.0 x 4.0 TYPICAL FOR ALL SLABS.
2. FLOOR SLOPES AND DRAINS NOT SHOWN. SEE MECHANICAL DRAWINGS FOR SLOPES AND DRAIN LOCATIONS. SHEETS M-12 THRU M-17.
3. ADD 2 #4's x 4'-0" LONG DIAGONAL AT REENTRANT CORNERS OF SLAB.
4. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS. SHEETS A-3 THRU A-8.
5. REFERENCE ELEVATION 100'-0" ON DRAWINGS EQUAL TO 1055.00 MSL.
6. CONCRETE APRONS AND MECHANICAL EQUIPMENT PADS NOT SHOWN. SEE CIVIL DRAWING L-3.



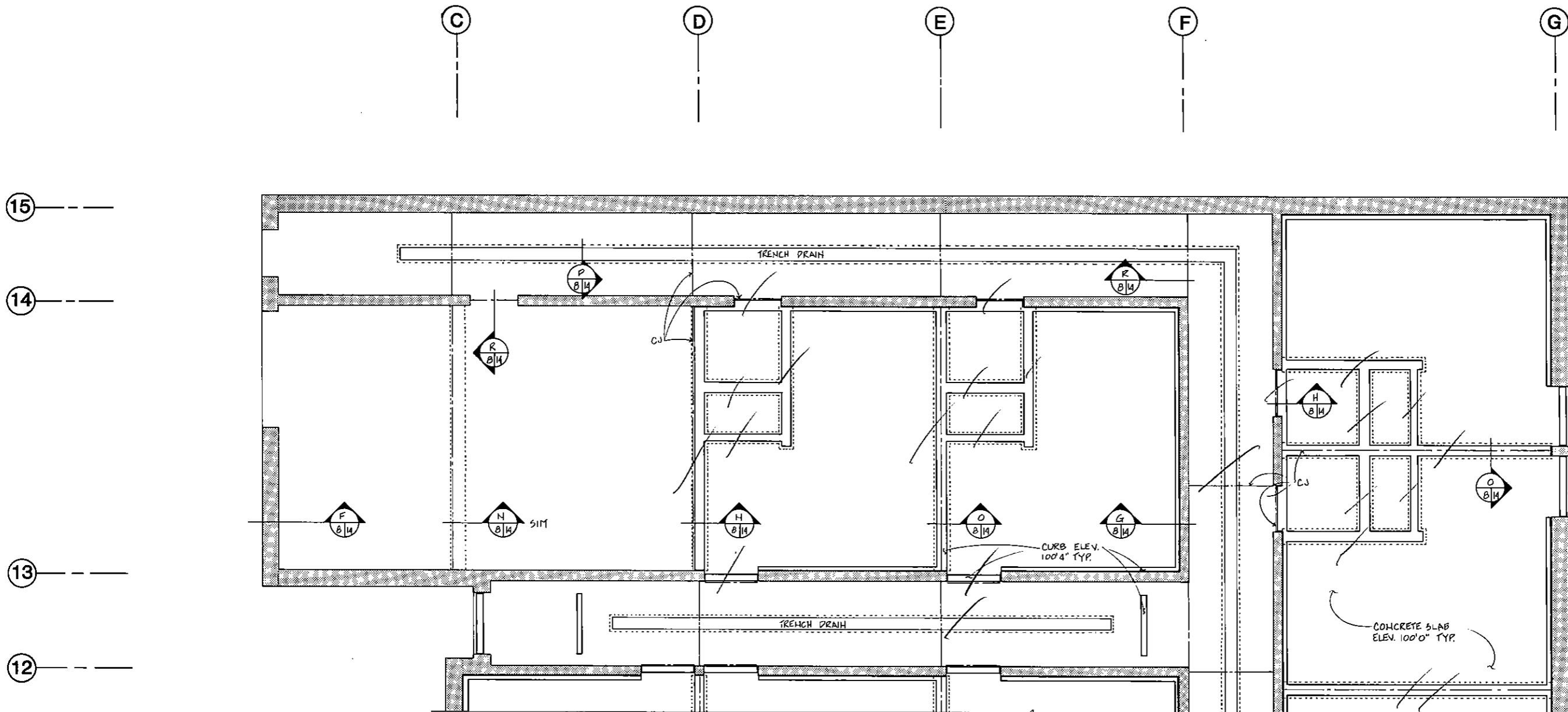
REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN**

**FLOOR SLAB PLAN 'E'**

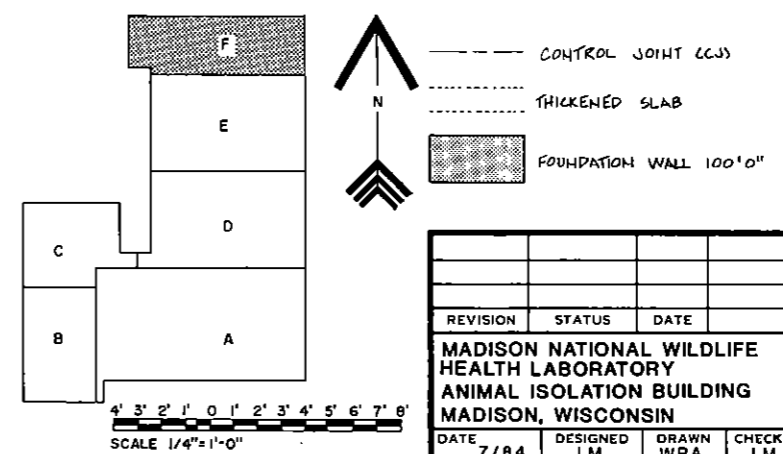
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	LM	WRA	LM	DEC-WI-927-438.0

**S12**



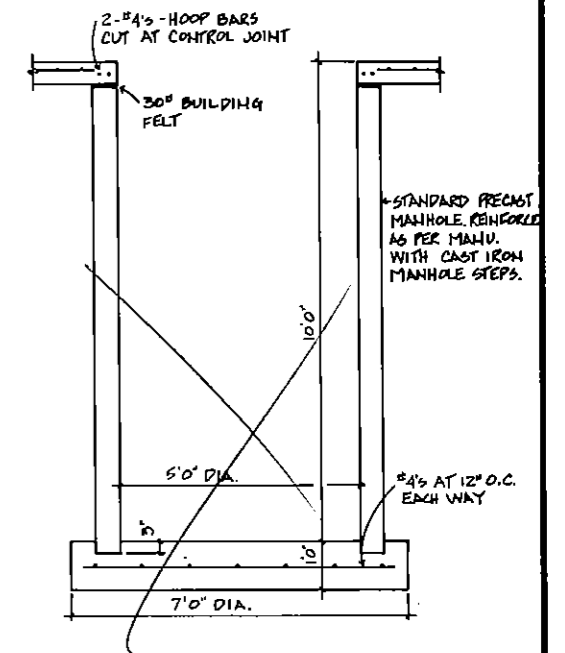
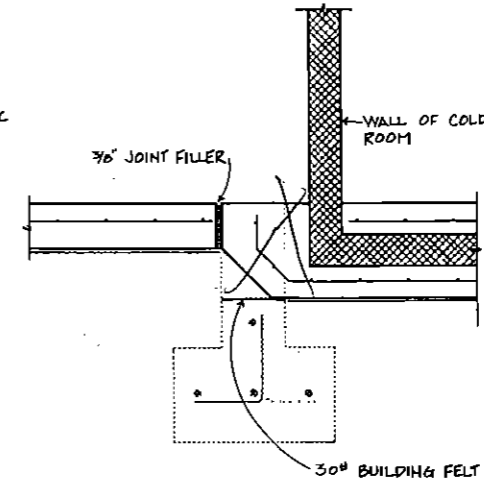
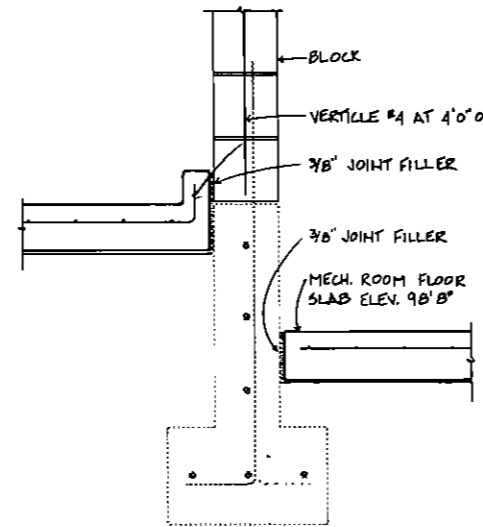
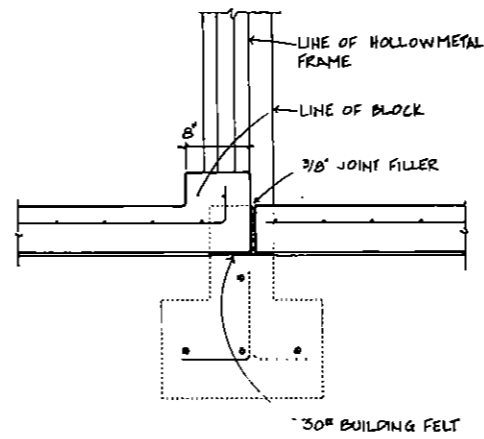
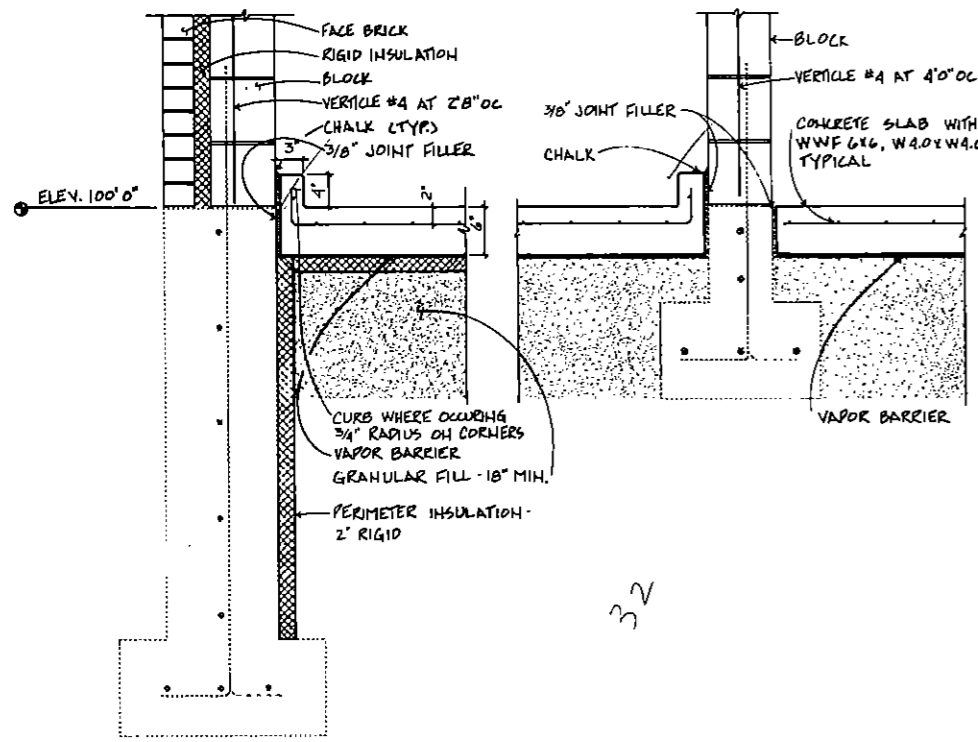
**FLOOR SLAB PLAN 'F'**  
SCALE 1/4"=1'-0"

- NOTES:**
1. CONCRETE SLAB-8" THICK WITH WWF 6 x 6, W 4.0 x 4.0 TYPICAL FOR ALL SLABS.
  2. FLOOR SLOPES AND DRAINS NOT SHOWN. SEE MECHANICAL DRAWINGS FOR SLOPES AND DRAIN LOCATIONS. SHEETS M-12 THRU M-17.
  3. ADD 2 #4's x 4'-0" LONG DIAGONAL AT REENTRANT CORNERS OF SLAB.
  4. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS. SHEETS A-3 THRU A-8.
  5. REFERENCE ELEVATION 100'-0" ON DRAWINGS EQUAL TO 1055.00 MSL.
  6. CONCRETE APRONS AND MECHANICAL EQUIPMENT PADS NOT SHOWN. SEE CIVIL DRAWING L-3.



REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				
<b>FLOOR SLAB PLAN 'F'</b>			<b>DEC-WI-927-439.0</b>	
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	LM	WRA	LM	DEC-WI-927-439.0

**S13**



**F** SLAB SECTION  
SCALE 1":1'-0"

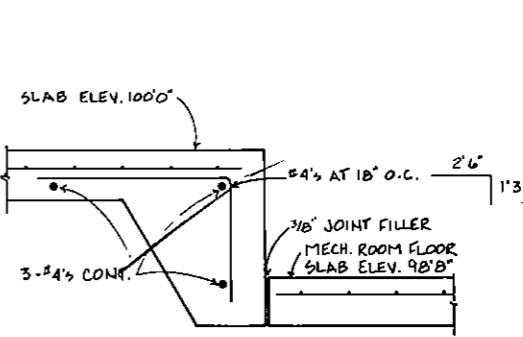
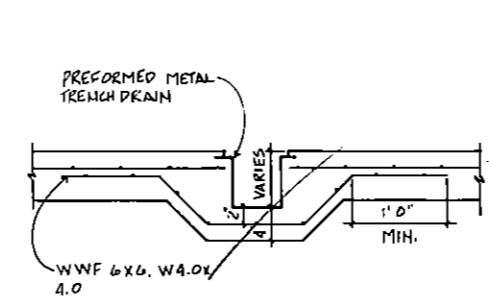
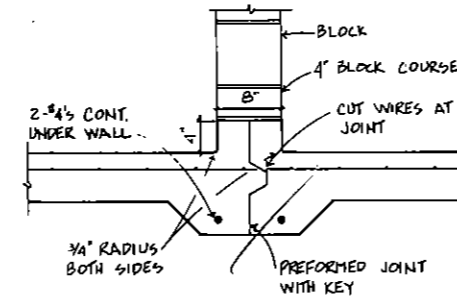
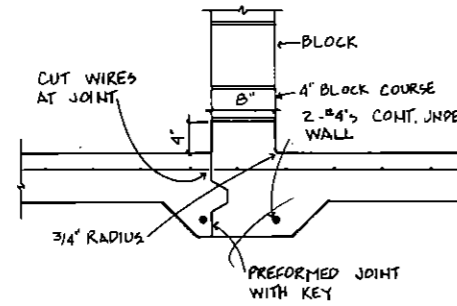
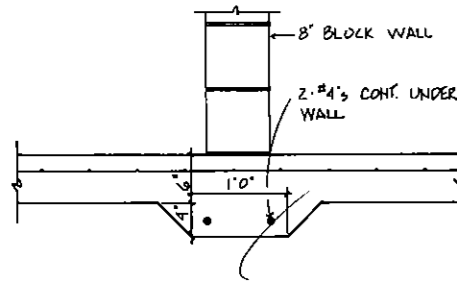
**G** SLAB SECTION  
SCALE 1":1'-0"

**H** SLAB SECTION  
SCALE 1":1'-0"

**J** SLAB SECTION  
SCALE 1":1'-0"

**K** SLAB SECTION  
SCALE 1":1'-0"

**L** TOXIC SUMP SECTION  
SCALE 1/2":1'-0"



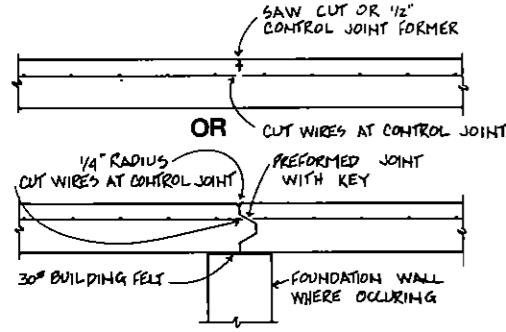
**M** THICKENED SLAB SECTION  
SCALE 1":1'-0"

**N** THICKENED SLAB SECTION  
SCALE 1":1'-0"

**O** THICKENED SLAB SECTION  
SCALE 1":1'-0"

**P** TRENCH DRAIN SECTION  
SCALE 1":1'-0"

**Q** SLAB SECTION  
SCALE 1":1'-0"

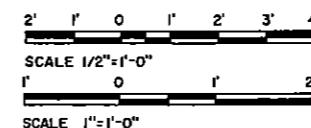


**R** CONTROL JOINT SECTIONS  
SCALE 1":1'-0"

**SPLICES:**  
UNLESS OTHERWISE SHOWN THE MIN. LENGTH OF LAP FOR SPLICING PARALLEL BARS SHALL BE AS SHOWN BELOW. STAGGER ADJACENT SPLICES A MIN. OF 40 BAR DIAMETERS.

BAR SIZE	TOP BAR	OTHER BARS
4	22"	16"
5	27"	20"
6	33"	24"

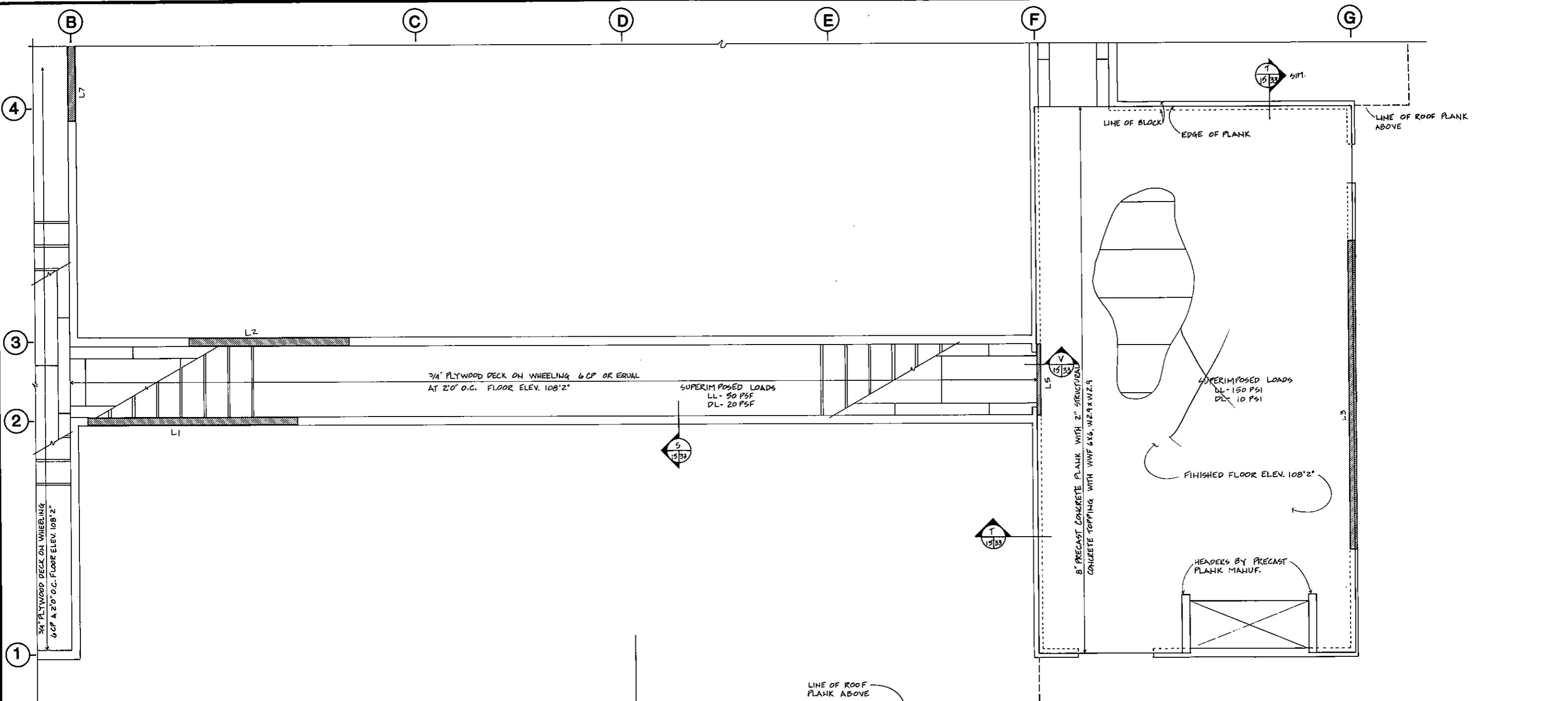
TOP BARS ARE HORIZONTAL BARS IN BEAMS AND SLABS OF PLACED THAT MORE THAN 12 INCHES OF CONCRETE IS CAST BELOW THE BARS.  
FOR BARS SPACED AT LEAST 6" ON CENTER AND AT LEAST 3" LATERAL DISTANCE CLEAR BETWEEN THE EDGE BAR AND THE FACE OF THE CONCRETE, MULTIPLY THE ABOVE LENGTHS BY A FACTOR EQUAL TO .8.



**NOTE:**  
MIN. 18" GRANULAR FILL UNDER ALL INTERIOR SLABS.

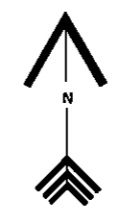
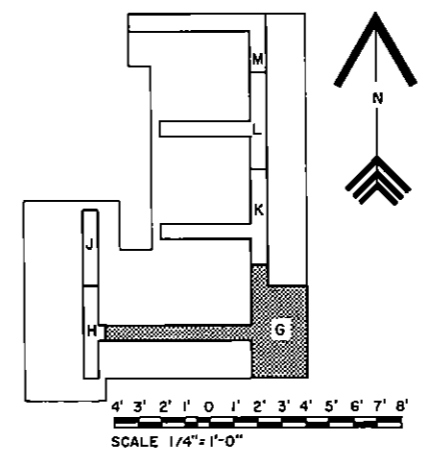
REVISION	STATUS	DATE	DESCRIPTION	BY
MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN				
DATE 7/84			DESIGNED LM	DRAWN WRA
CHECKED LM			DRAWING NO. DEC-WI-927-440.0	

S14



**SECOND FLOOR FRAMING PLAN 'G'**  
SCALE 1/4"=1'-0"

- NOTES:**
- CHASE FLOOR FRAMING HEADERS AS REQUIRED BY STEEL JOIST MANUFACTURE UNLESS OTHERWISE SHOWN.
  - BRICK VENEER NOT SHOWN.
  - ROOF PENETRATIONS NOT SHOWN. SEE SHEETS S-21 THRU S-32 FOR LOCATIONS AND SIZES.
  - SEE SHEETS A-9 THRU A-14 FOR DIMENSIONS.



LINTELS - SEE SCHEDULE SHEET S-34

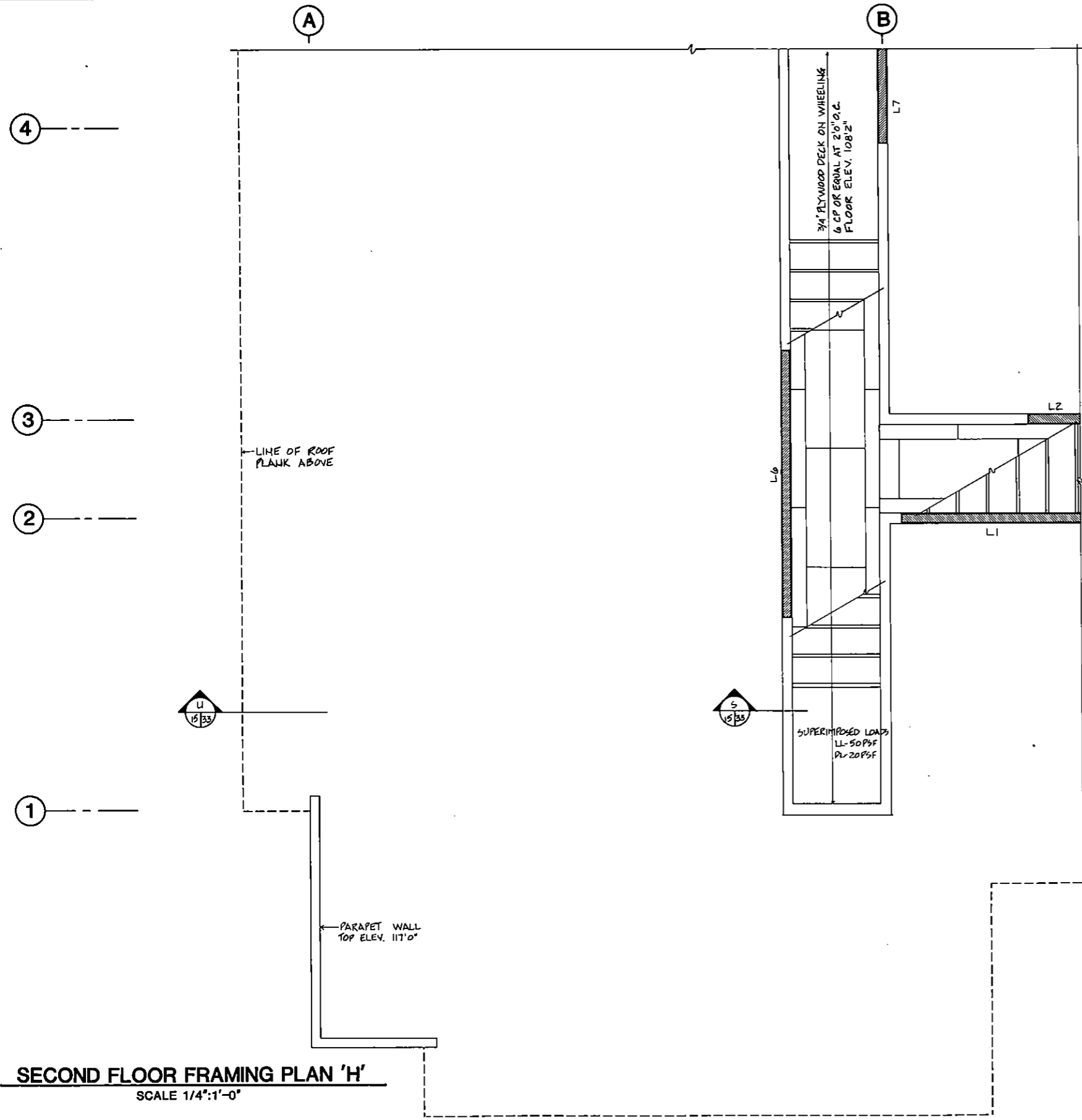
REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN**

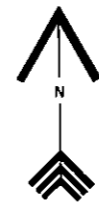
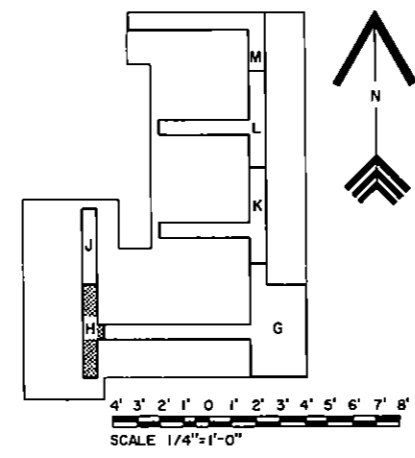
**SECOND FLOOR FRAMING PLAN 'G'**

DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	LM	WRA	LM	DEC-WI-927-441.0

**GIS**



**SECOND FLOOR FRAMING PLAN 'H'**  
SCALE 1/4"=1'-0"



LIHTELS - SEE  
SCHEDULE SHEET S-34

- NOTES:**
- CHASE FLOOR FRAMING HEADERS AS REQUIRED BY STEEL JOIST MANUFACTURE UNLESS OTHERWISE SHOWN.
  - BRICK VENEER NOT SHOWN.
  - ROOF PENETRATIONS NOT SHOWN. SEE SHEETS S-21 THRU S-32 FOR LOCATION AND SIZES.
  - SEE SHEET A-9 THRU A-14 FOR DIMENSIONS.

REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE  
HEALTH LABORATORY  
ANIMAL ISOLATION BUILDING  
MADISON, WISCONSIN**

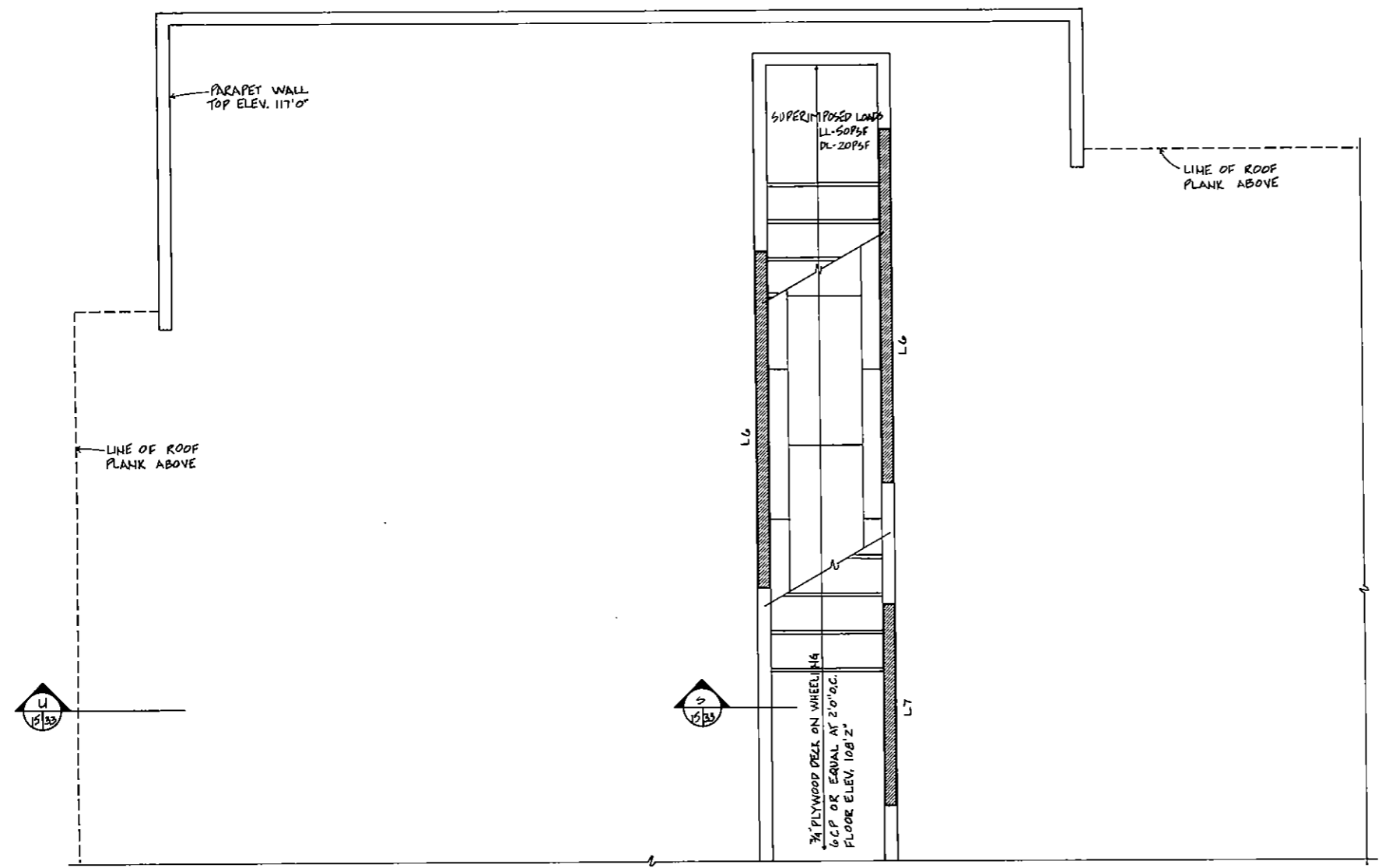
**SECOND FLOOR  
FRAMING PLAN 'H'**

DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	LM	WRA	LM	DEC-WI-927-442.0

**916**

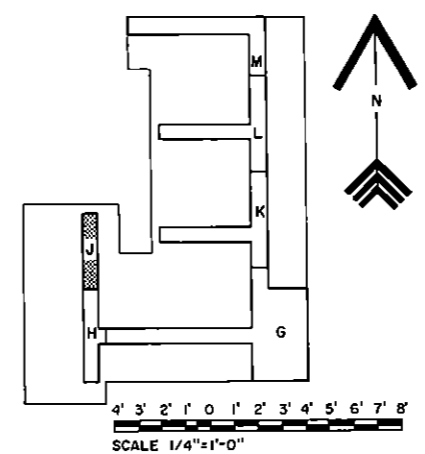
8 --- (A) --- (B)

7 ---  
6 ---  
5 ---  
4 ---



**SECOND FLOOR FRAMING PLAN 'J'**  
SCALE 1/4"=1'-0"

- NOTES:**
1. CHASE FLOOR FRAMING HEADERS AS REQUIRED BY STEEL JOIST MANUFACTURE UNLESS OTHERWISE SHOWN.
  2. BRICK VENEER NOT SHOWN.
  3. ROOF PENETRATIONS NOT SHOWN. SEE SHEETS S-21 THRU S-32 FOR LOCATIONS AND SIZES.
  4. SEE SHEETS A-9 THRU A-14 FOR DIMENSIONS.



LIHTELS- SEE SCHEDULE SHEET S-34

REVISION	STATUS	DATE	DESCRIPTION	BY

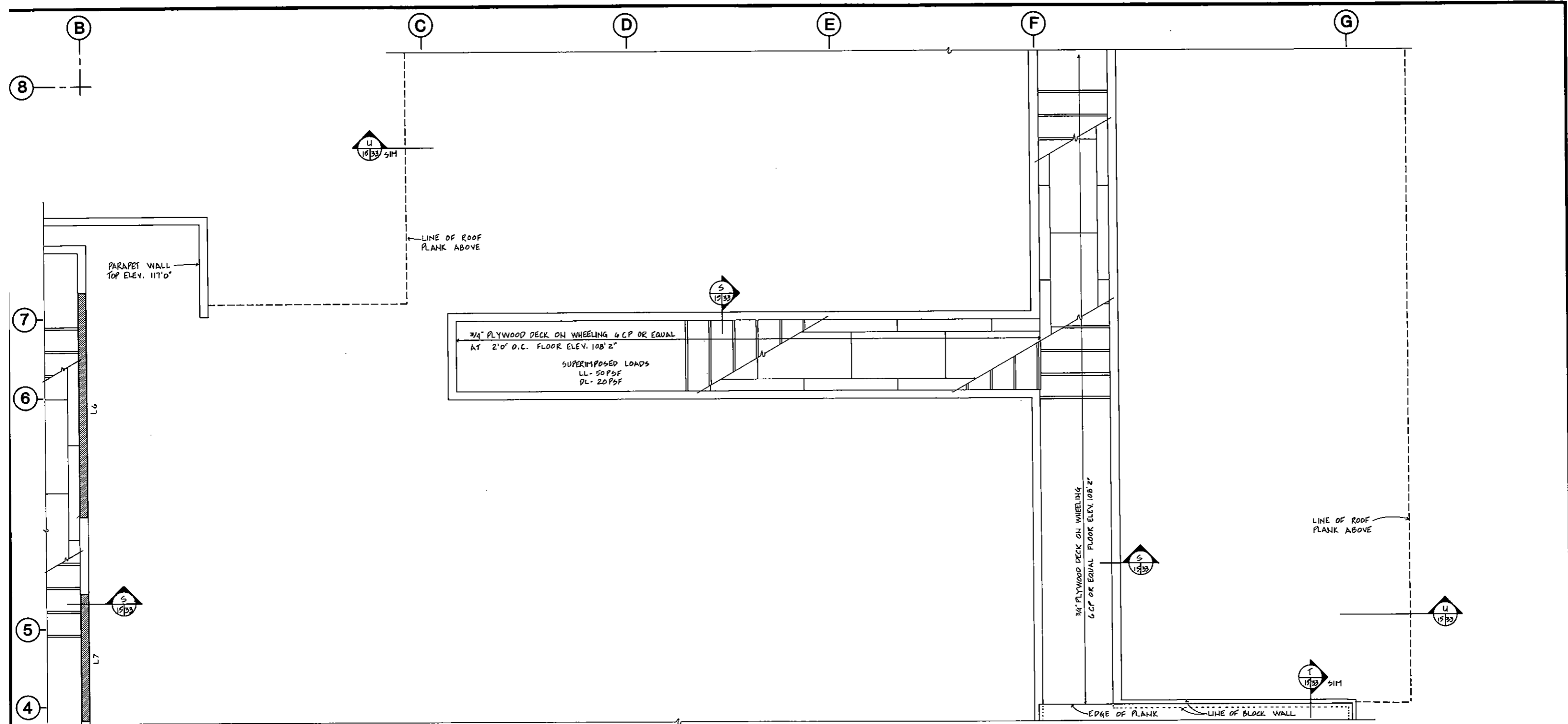
**MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN**

**SECOND FLOOR FRAMING PLAN 'J'**

DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	LM	WRA	LM	DEC-WI-927-443.0

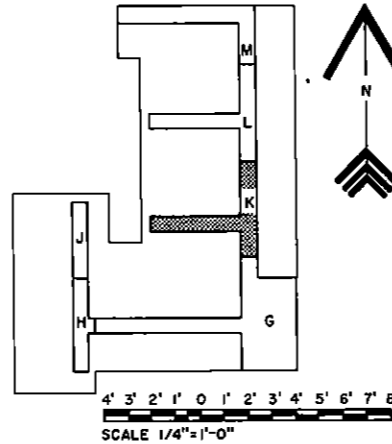
**S17**





**SECOND FLOOR FRAMING PLAN 'K'**  
SCALE 1/4"=1'-0"

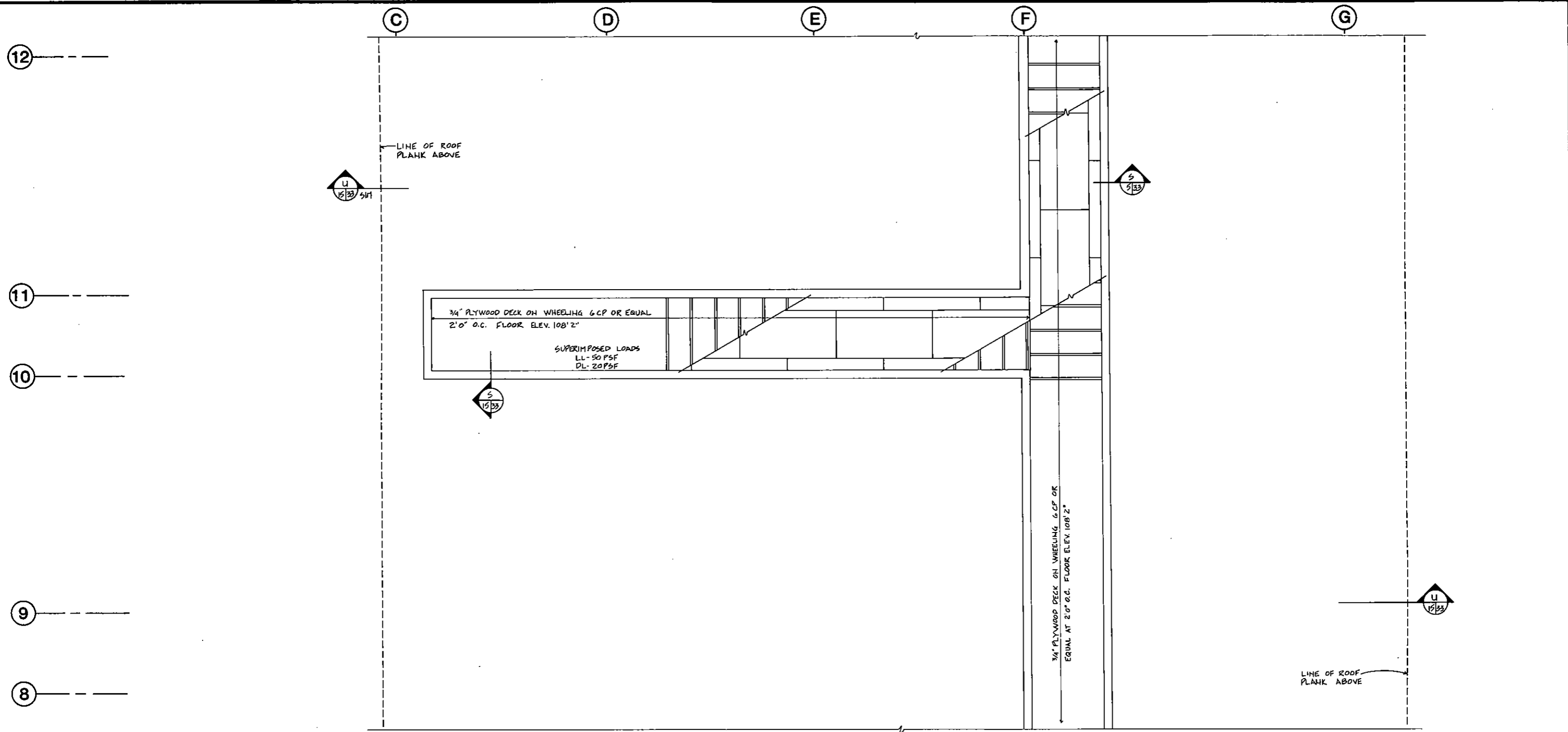
- NOTES:**
- CHASE FLOOR FRAMING HEADERS AS REQUIRED BY STEEL JOIST MANUFACTURE UNLESS OTHERWISE SHOWN.
  - BRICK VENEER NOT SHOWN.
  - ROOF PENETRATIONS NOT SHOWN. SEE SHEETS S-21 THRU S-32 FOR LOCATIONS AND SIZES.
  - SEE SHEETS A-9 THRU A-14 FOR DIMENSIONS.



LINTELS - SEE SCHEDULE SHEET S-34

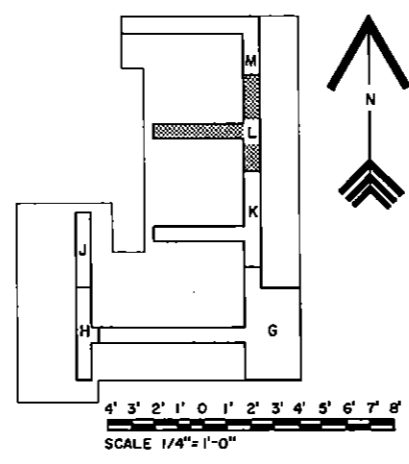
REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	LM	WRA	LM	DEC-WI-927-444 .0

**S18**



**SECOND FLOOR FRAMING PLAN 'L'**  
SCALE 1/4"=1'-0"

- NOTES:**
- CHASE FLOOR FRAMING HEADERS AS REQUIRED BY STEEL JOIST MANUFACTURE UNLESS OTHERWISE SHOWN.
  - BRICK VENEER NOT SHOWN.
  - ROOF PENETRATIONS NOT SHOWN. SEE SHEETS S-21 THRU S-32 FOR LOCATIONS AND SIZES.
  - SEE SHEETS A-9 THRU A-14 FOR DIMENSIONS.



LIHTELS- SEE SCHEDULE SHEET S-34

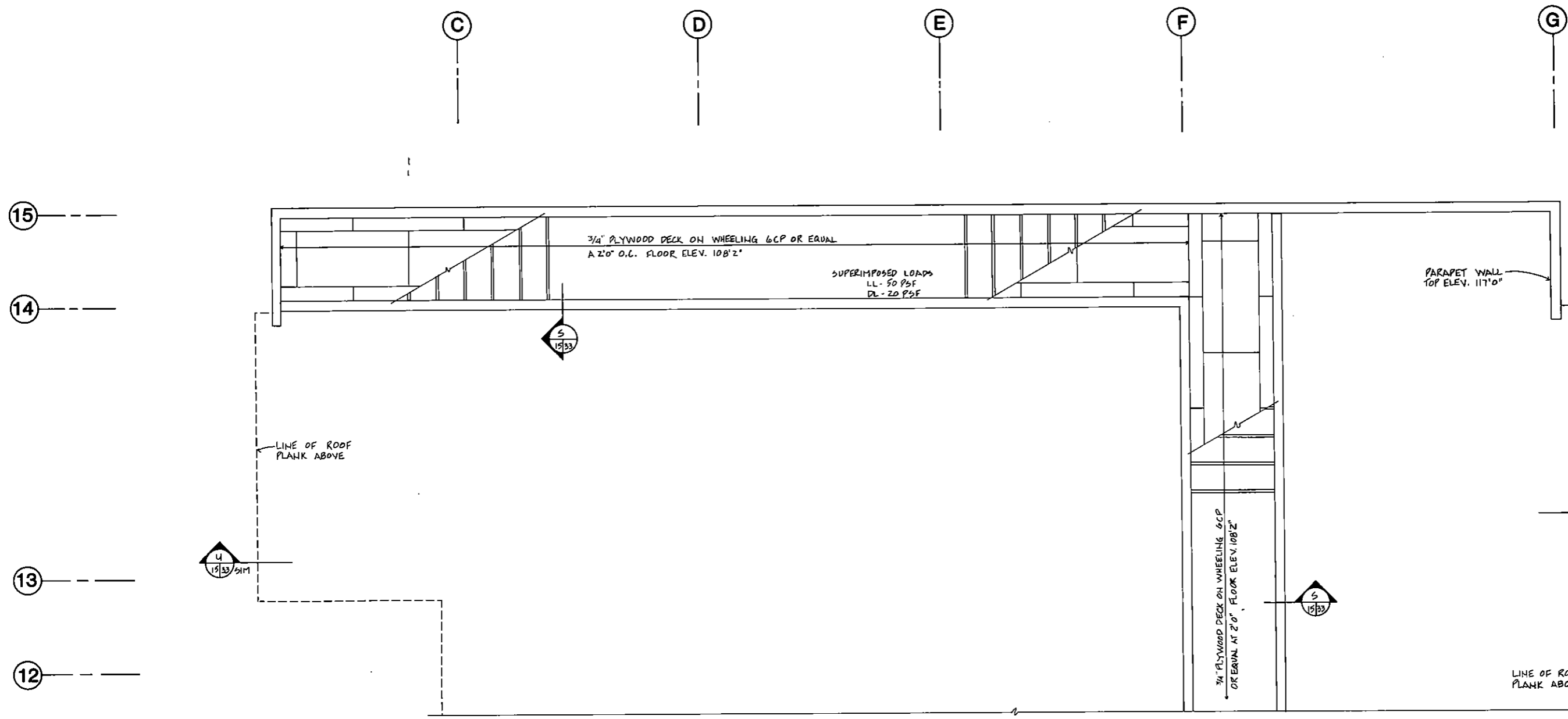
REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN**

**SECOND FLOOR FRAMING PLAN 'L'**

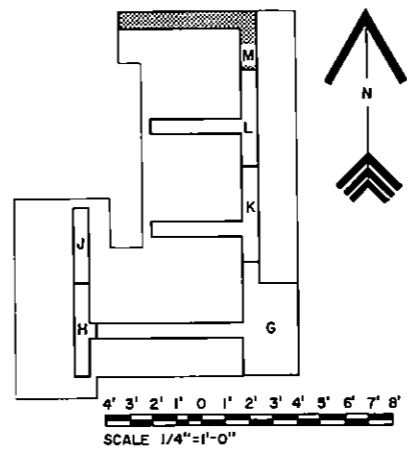
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	LM	WRA	LM	DEC-WI-927-445.0

**S19**



**SECOND FLOOR FRAMING PLAN 'M'**  
SCALE 1/4"=1'-0"

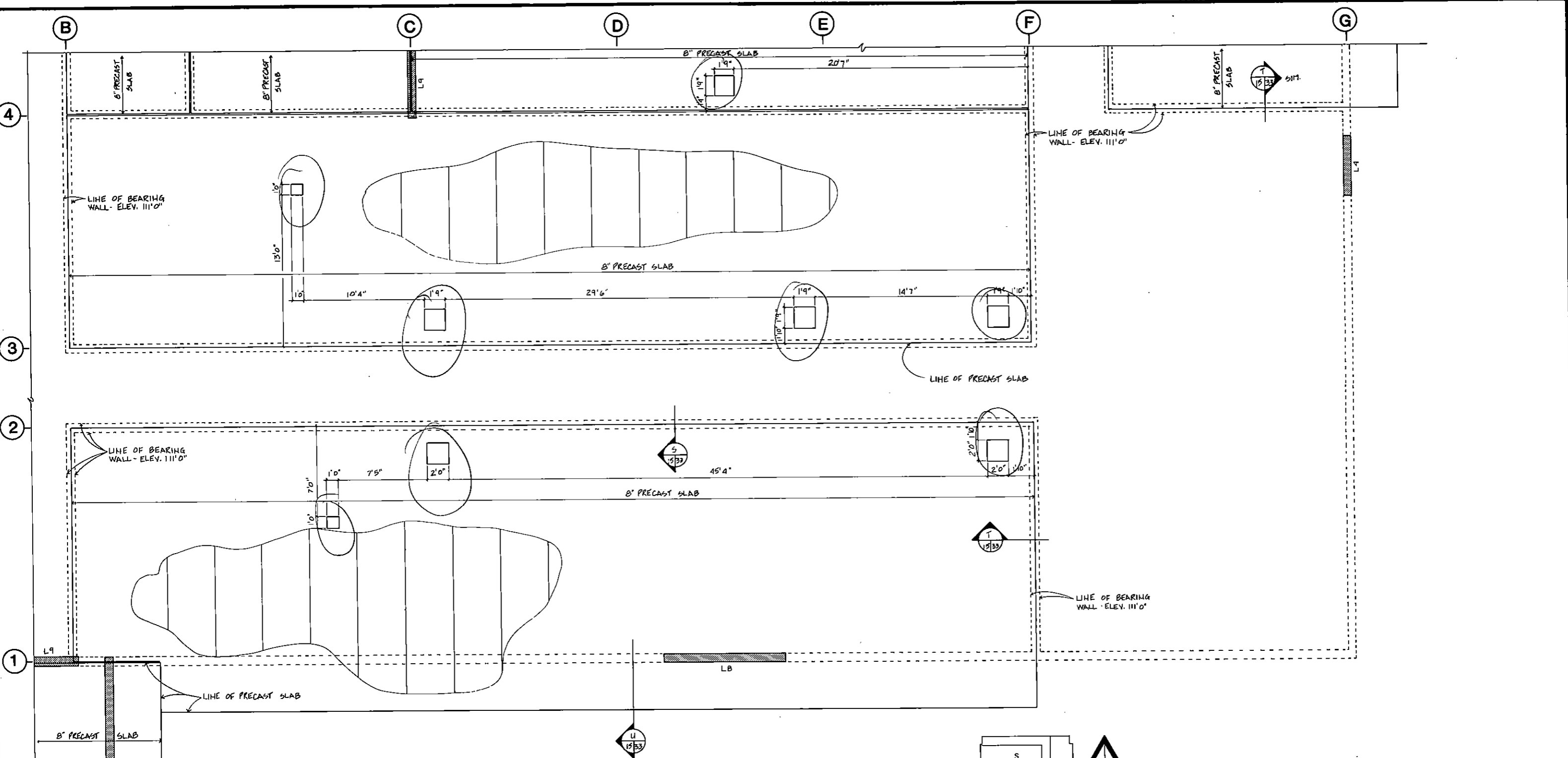
- NOTES:**
- CHASE FLOOR FRAMING HEADERS AS REQUIRED BY STEEL JOIST MANUFACTURE UNLESS OTHERWISE SHOWN.
  - BRICK VENEER NOT SHOWN.
  - ROOF PENETRATIONS NOT SHOWN. SEE SHEETS S-21 THRU S-32 FOR LOCATIONS AND SIZES.
  - SEE SHEETS A-9 THRU A-14 FOR DIMENSIONS.



◆ LINTELS - SEE SCHEDULE SHEET S-34

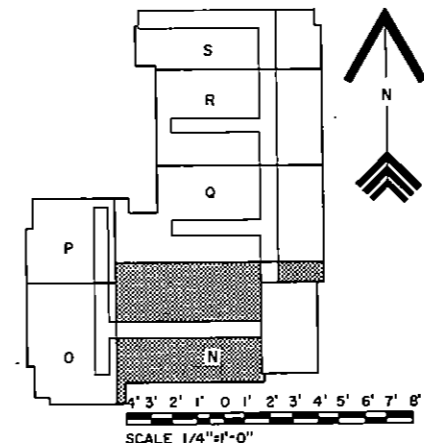
REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				
<b>SECOND FLOOR FRAMING PLAN 'M'</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	LM	WRA	LM	DEC-WI-927-446.0

**S20**



**LOWER ROOF FRAMING PLAN 'N'**  
SCALE 1/4":1'-0"

- NOTES:**
1. SUPERIMPOSED LOADS  
LL-40 PSF  
DL-25 PSF  
MECHANICAL EQUIPMENT-WEIGHT AS SUPPLIED
  2. BRICK VENEER AND PLYWOOD-PORCLEAN ENAMEL PANELS NOT SHOWN.
  3. SEE SHEET A- 8 THRU A-14 FOR OTHER DIMENSIONS.



LIGHTS- SEE SCHEDULE SHEET S-34

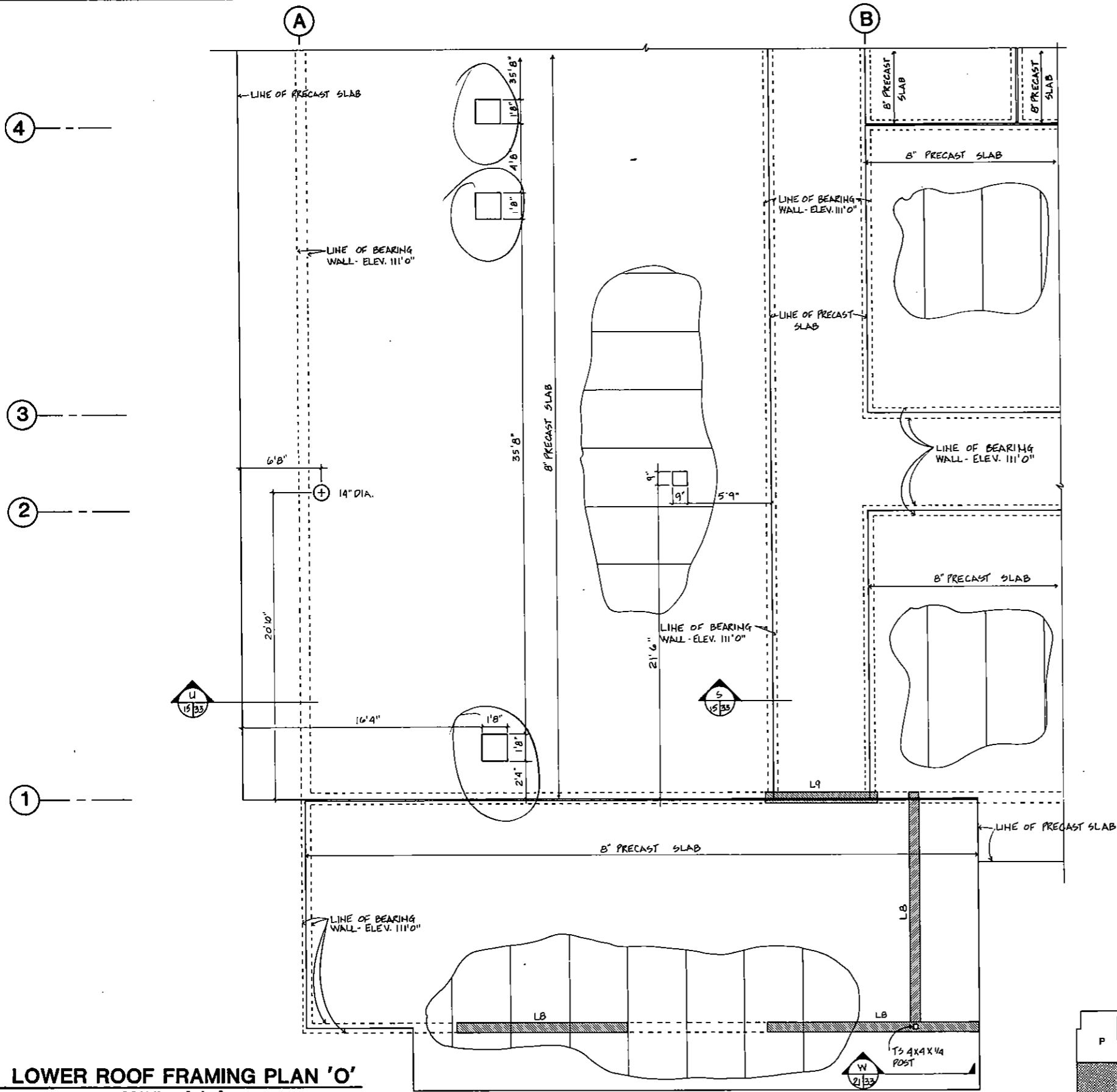
REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN**

**LOWER ROOF FRAMING PLAN 'N'**

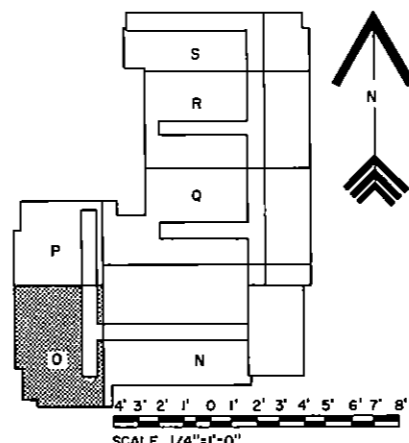
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	LM	WRA	LM	DEC-WI-927-447.0

**125**



**LOWER ROOF FRAMING PLAN 'O'**  
SCALE 1/4"=1'-0"

- NOTES:**
1. SUPERIMPOSED LOADS  
LL-40 PSF  
DL-25 PSF  
MECHANICAL EQUIPMENT-WEIGHT AS SUPPLIED
  2. BRICK VENEER AND PLYWOOD-PORCLEAN ENAMEL PANELS NOT SHOWN.
  3. SEE SHEET A-8 THRU A-14 FOR OTHER DIMENSIONS.



LINEEL- SEE SCHEDULE SHEET S-34

REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN**

**LOWER ROOF FRAMING PLAN 'O'**

DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	LM	WRA	LM	DEC-WI-927-448.0

**222**

8

A

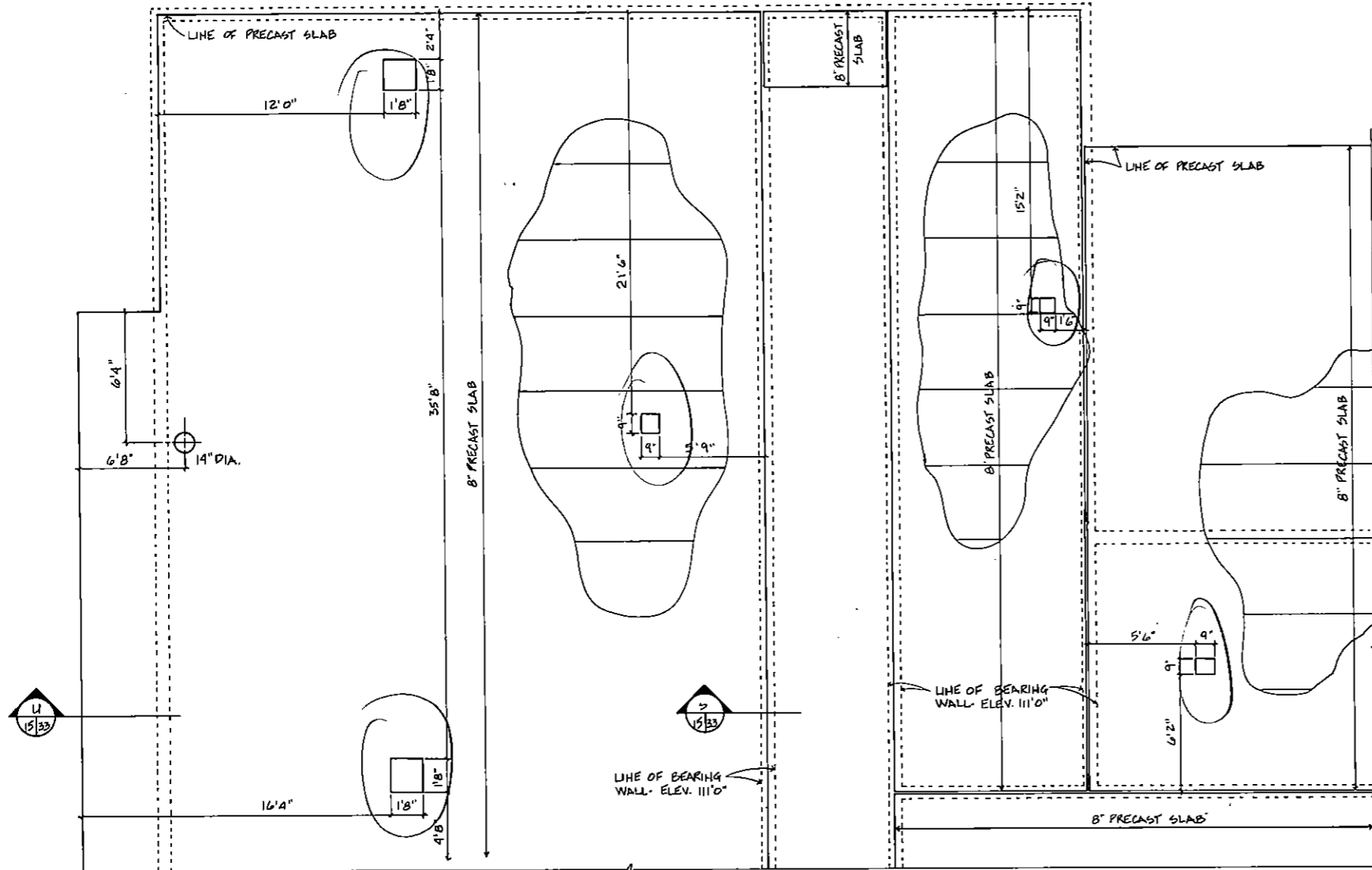
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7

6

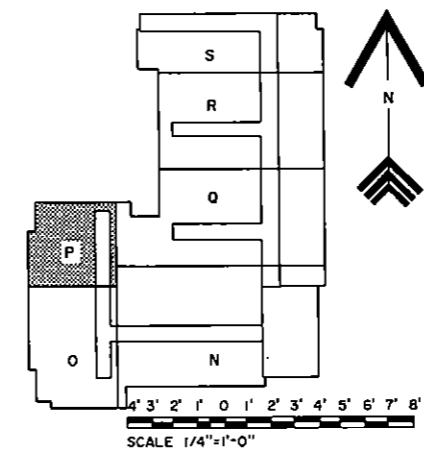
5

4



**LOWER ROOF FRAMING PLAN 'P'**  
SCALE 1/4"=1'-0"

- NOTES:**
1. SUPERIMPOSED LOADS  
LL-40 PSF  
DL-25 PSF  
MECHANICAL EQUIPMENT-WEIGHT AS SUPPLIED
  2. BRICK VENEER AND PLYWOOD-PORCLEAN ENAMEL PANELS NOT SHOWN.
  3. SEE SHEET A-9 THRU A-14 FOR OTHER DIMENSIONS.



LINTELS - SEE SCHEDULE SHEET S-34

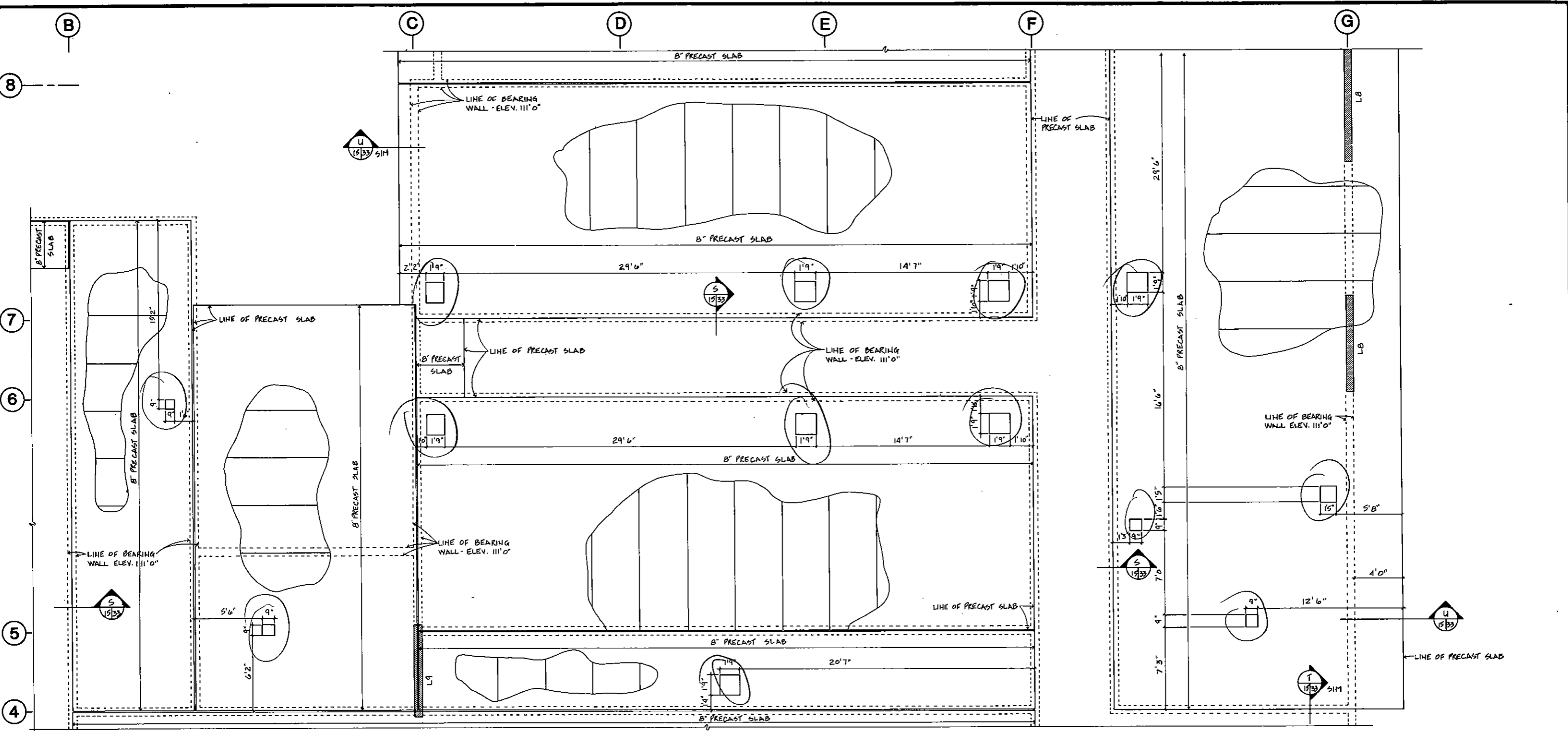
REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN**

**LOWER ROOF FRAMING PLAN 'P'**

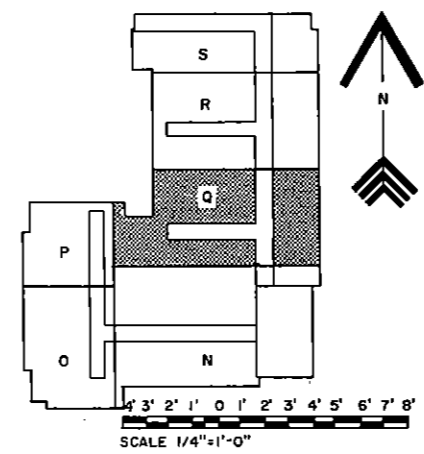
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	LM	WRA	LM	DEC-WI-927-449.0

**CS**



**LOWER ROOF FRAMING PLAN 'Q'**  
SCALE 1/4"=1'-0"

- NOTES:**
1. SUPERIMPOSED LOADS  
LL-40 PSF  
DL-26 PSF  
MECHANICAL EQUIPMENT-WEIGHT AS SUPPLIED
  2. BRICK VENEER AND PLYWOOD-PORCLEAN ENAMEL PANELS NOT SHOWN.
  3. SEE SHEET A-9 THRU A-14 FOR OTHER DIMENSIONS.



LINTELS - SEE SCHEDULE SHEET S-34

REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				
<b>LOWER ROOF FRAMING PLAN 'Q'</b>			<b>DEC-WI-927-450.0</b>	
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	LM	WRA	LM	DEC-WI-927-450.0

**ps**

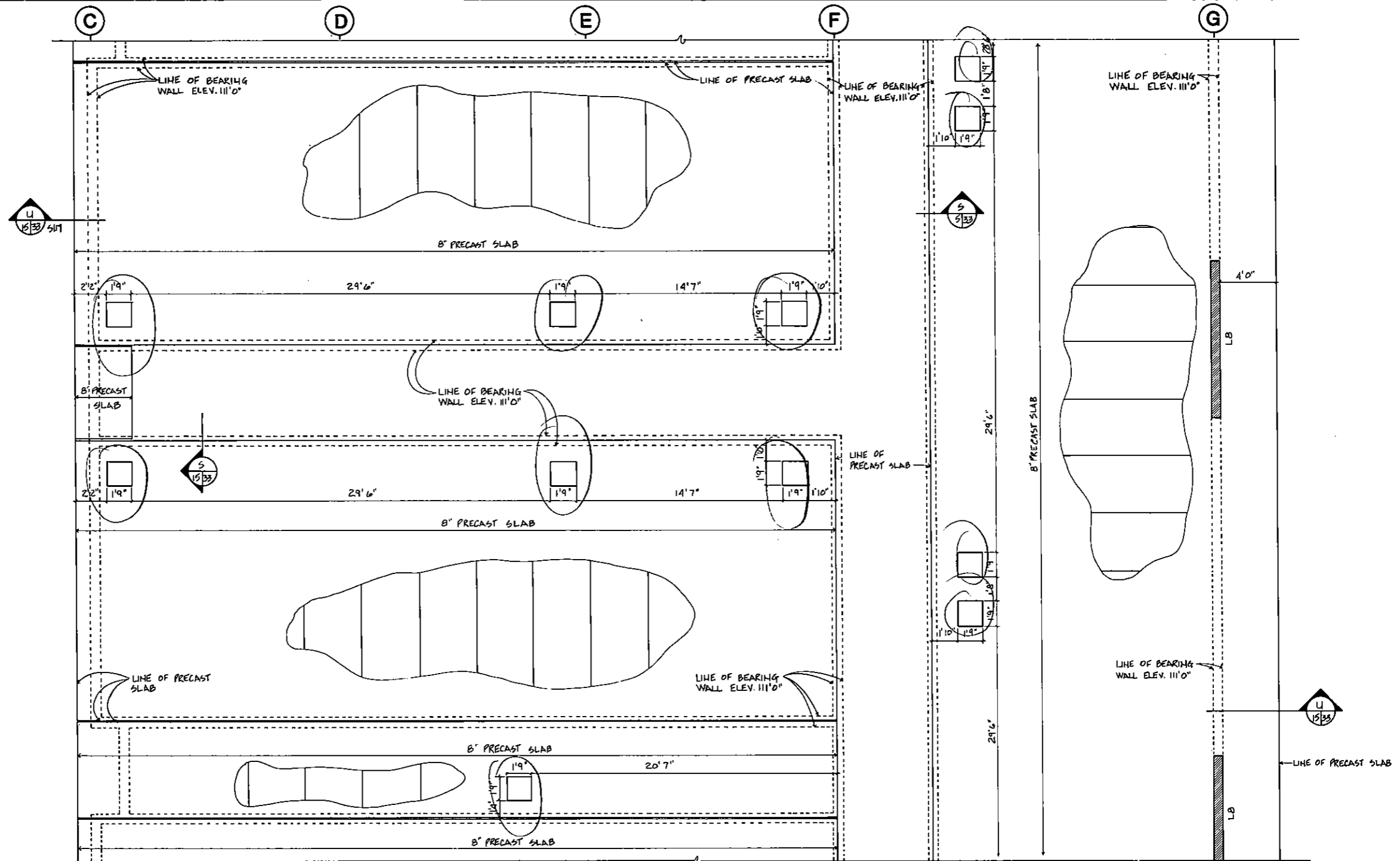
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11

10

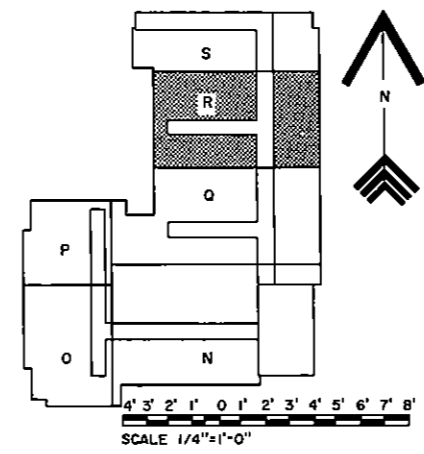
9

8



**LOWER ROOF FRAMING PLAN 'R'**  
SCALE 1/4"=1'-0"

- NOTES:**
- SUPERIMPOSED LOADS  
LL-40 PSF  
DL-25 PSF  
MECHANICAL EQUIPMENT-WEIGHT AS SUPPLIED
  - BRICK VENEER AND PLYWOOD-PORCLEAN ENAMEL PANELS NOT SHOWN.
  - SEE SHEET A-9 THRU A-14 FOR OTHER DIMENSIONS.



◆ LINTEL-SEE SCHEDULE SHEET S-34

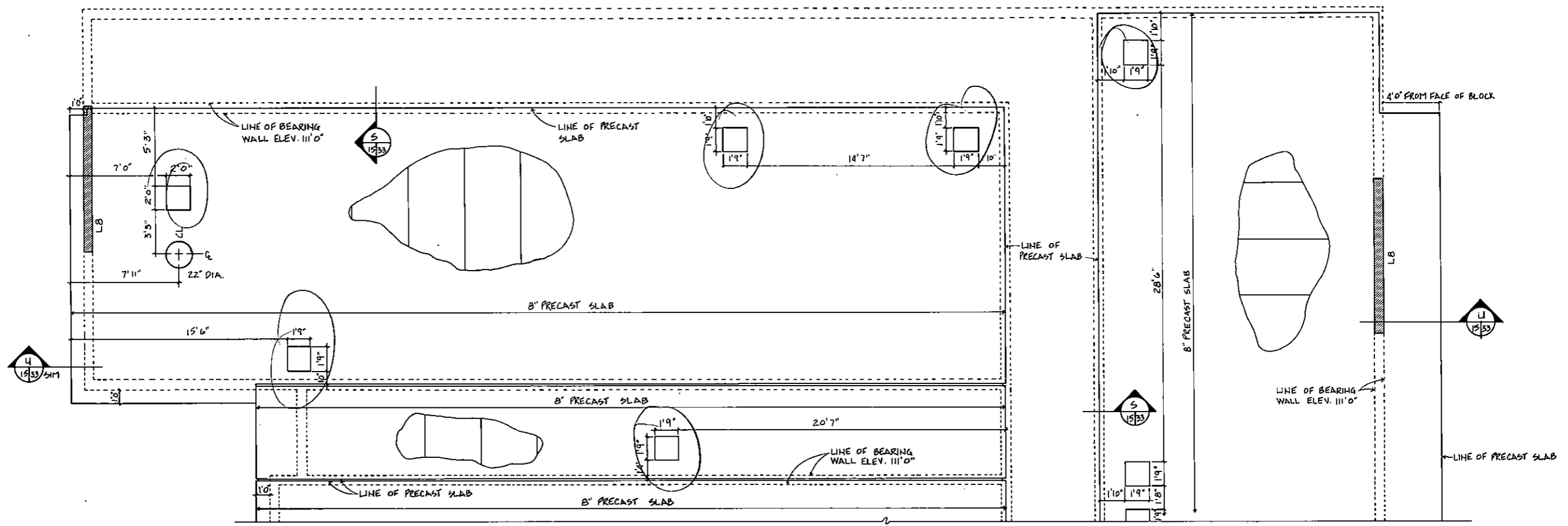
REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				
<b>LOWER ROOF FRAMING PLAN 'R'</b>			<b>DEC-WI-927-451.0</b>	
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	LM	WRA	LM	DEC-WI-927-451.0

**925**



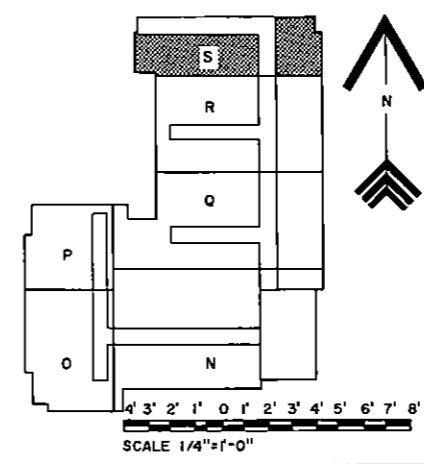
C D E F G

15  
14  
13  
12



**LOWER ROOF FRAMING PLAN 'S'**  
SCALE 1/4"=1'-0"

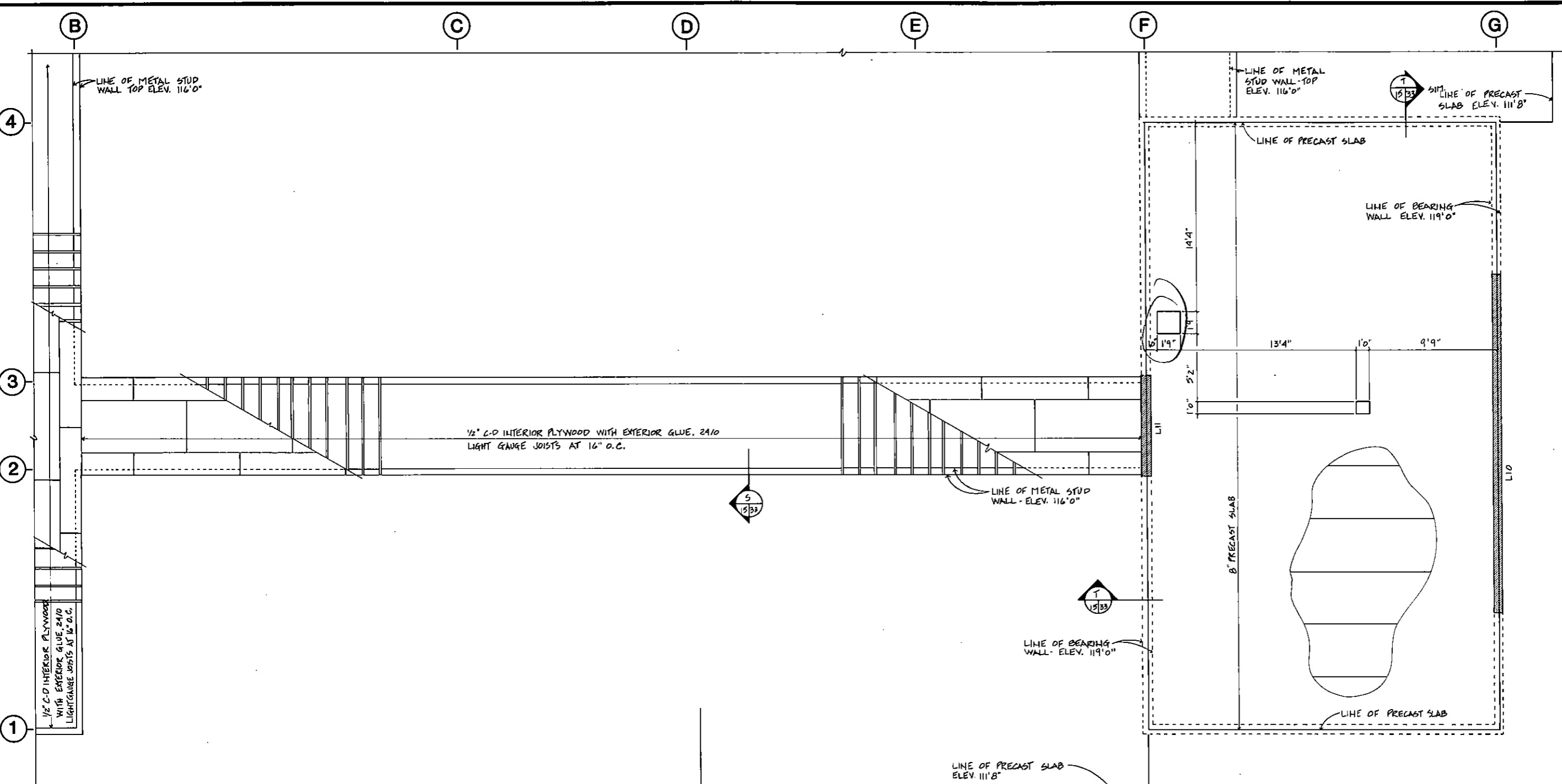
- NOTES:**
1. SUPERIMPOSED LOADS  
LL-40 PSF  
DL-25 PSF  
MECHANICAL EQUIPMENT-WEIGHT AS SUPPLIED
  2. BRICK VENEER AND PLYWOOD-PORCLEAN ENAMEL PANELS NOT SHOWN.
  3. SEE SHEET A-9 THRU A-14 FOR OTHER DIMENSIONS.



LIHTEL-SEE SCHEDULE SHEET S-34

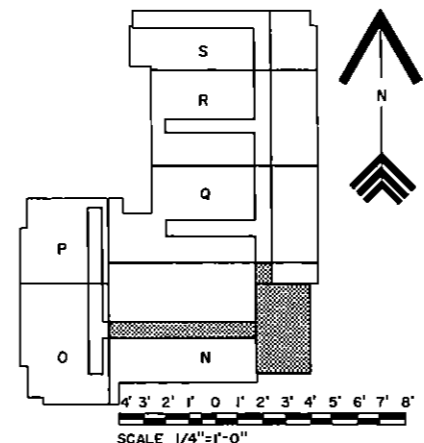
REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				
<b>LOWER ROOF FRAMING PLAN 'S'</b>			<b>DEC-WI-927-452.0</b>	
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	LM	WRA	LM	DEC-WI-927-452.0

**926**



**UPPER ROOF FRAMING PLAN 'N'**  
SCALE 1/4"=1'-0"

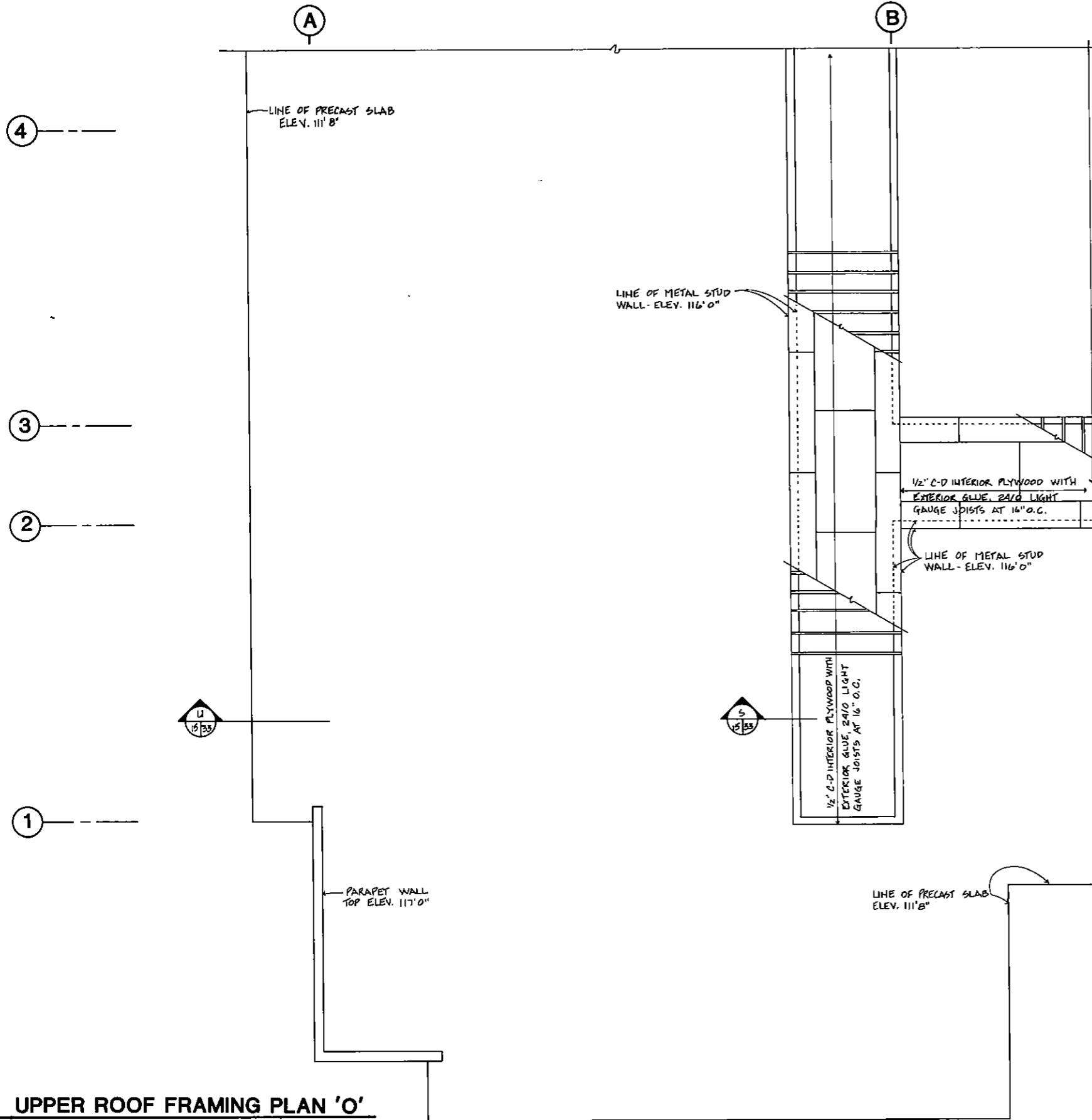
- NOTES:**
1. SUPERIMPOSED LOADS  
LL-40 PSF  
DL-25 PSF  
MECHANICAL EQUIPMENT-WEIGHT AS SUPPLIED
  2. BRICK VENEER AND PLYWOOD-PORCLEAN ENAMEL PANELS NOT SHOWN.
  3. SEE SHEET A-9 THRU A-14 FOR OTHER DIMENSIONS.



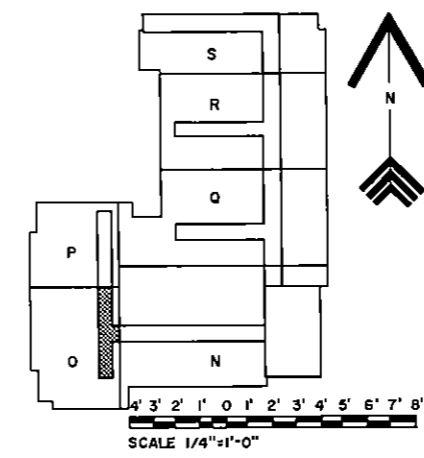
◆ LINTELS - SEE SCHEDULE SHEET S-34

REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				
DATE 7/84			DESIGNED LM	DRAWN WRA
CHECKED LM			DRAWING NO. DEC-WI-927-453.0	

**227**



**UPPER ROOF FRAMING PLAN 'O'**  
SCALE 1/4"=1'-0"



**NOTES:**

- SUPERIMPOSED LOADS  
LL-40 PSF  
DL-25 PSF  
MECHANICAL EQUIPMENT-WEIGHT AS SUPPLIED
- BRICK VENEER AND PLYWOOD-PORCLEAN ENAMEL  
PANELS NOT SHOWN.
- SEE SHEET A-9 THRU A-14 FOR OTHER DIMENSIONS.

◆ LITEL - SEE  
SCHEDULE SHEET S-34

REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE  
HEALTH LABORATORY  
ANIMAL ISOLATION BUILDING  
MADISON, WISCONSIN**

**UPPER ROOF FRAMING  
PLAN 'O'**

DATE 7/84	DESIGNED LM	DRAWN WRA	CHECKED LM	DRAWING NO. DEC-WI-927-454.0
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**828**

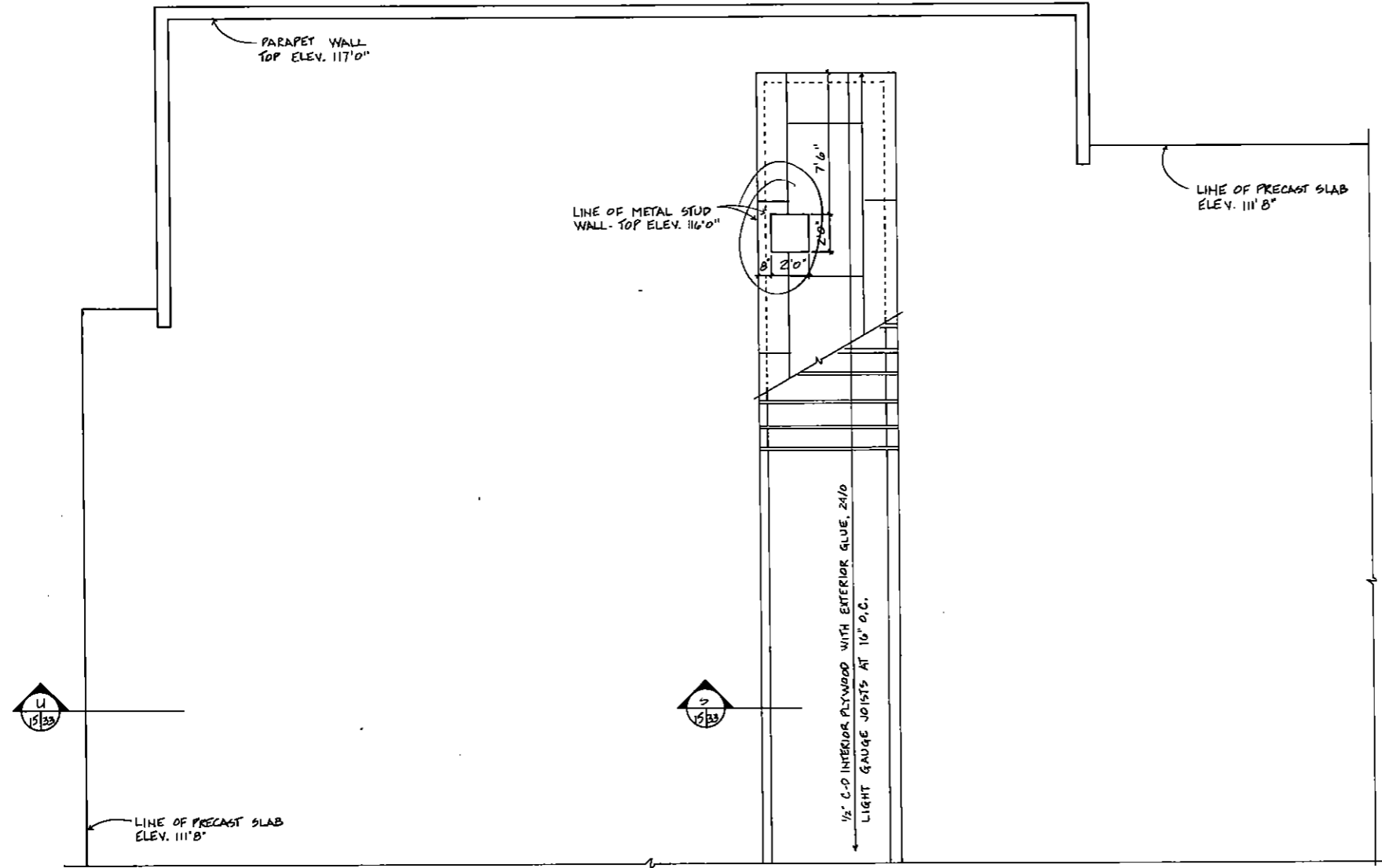
8 ——— A ——— B ———

7 ———

6 ———

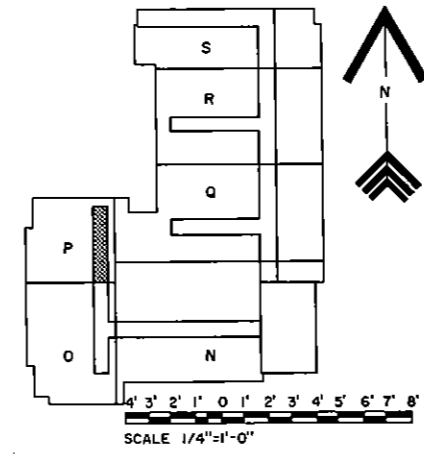
5 ———

4 ———



**UPPER ROOF FRAMING PLAN 'P'**  
SCALE 1/4"=1'-0"

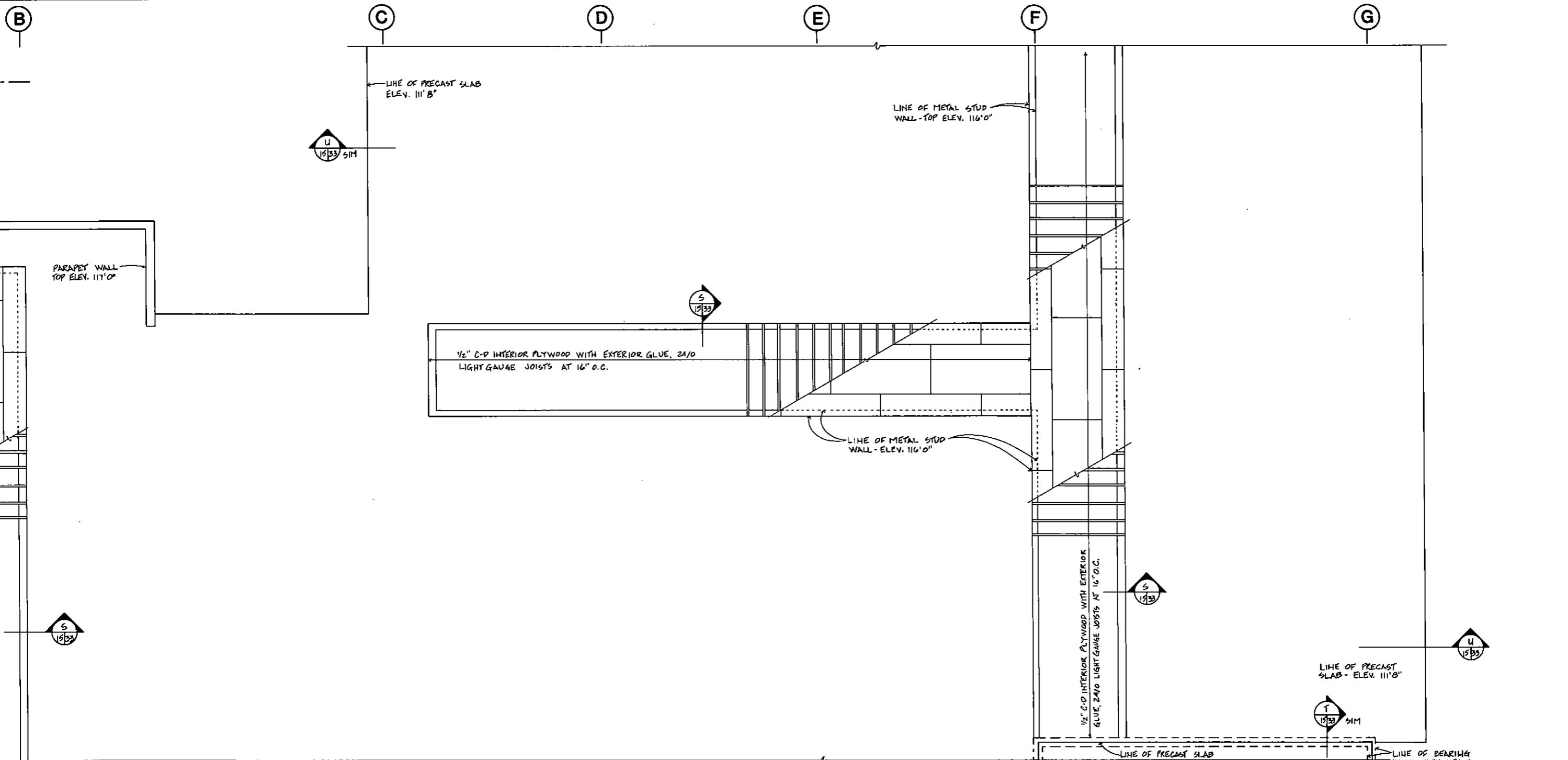
- NOTES:**
1. SUPERIMPOSED LOADS  
LL-40 PSF  
DL-25 PSF  
MECHANICAL EQUIPMENT-WEIGHT AS SUPPLIED
  2. BRICK VENEER AND PLYWOOD-PORCLEAN ENAMEL  
PANELS NOT SHOWN.
  3. SEE SHEET A-8 THRU A-14 FOR OTHER DIMENSIONS.



LINTEL - SEE  
SCHEDULE SHEET S-3A

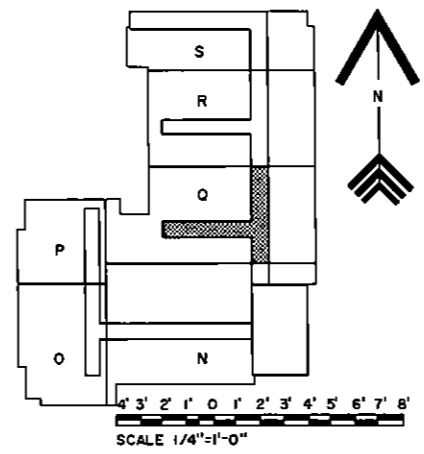
REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				
<b>UPPER ROOF FRAMING PLAN 'P'</b>			<b>DEC-WI-927-455.0</b>	
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	LM	WRA	LM	DEC-WI-927-455.0

**625**



**UPPER ROOF FRAMING PLAN 'Q'**  
SCALE 1/4"=1'-0"

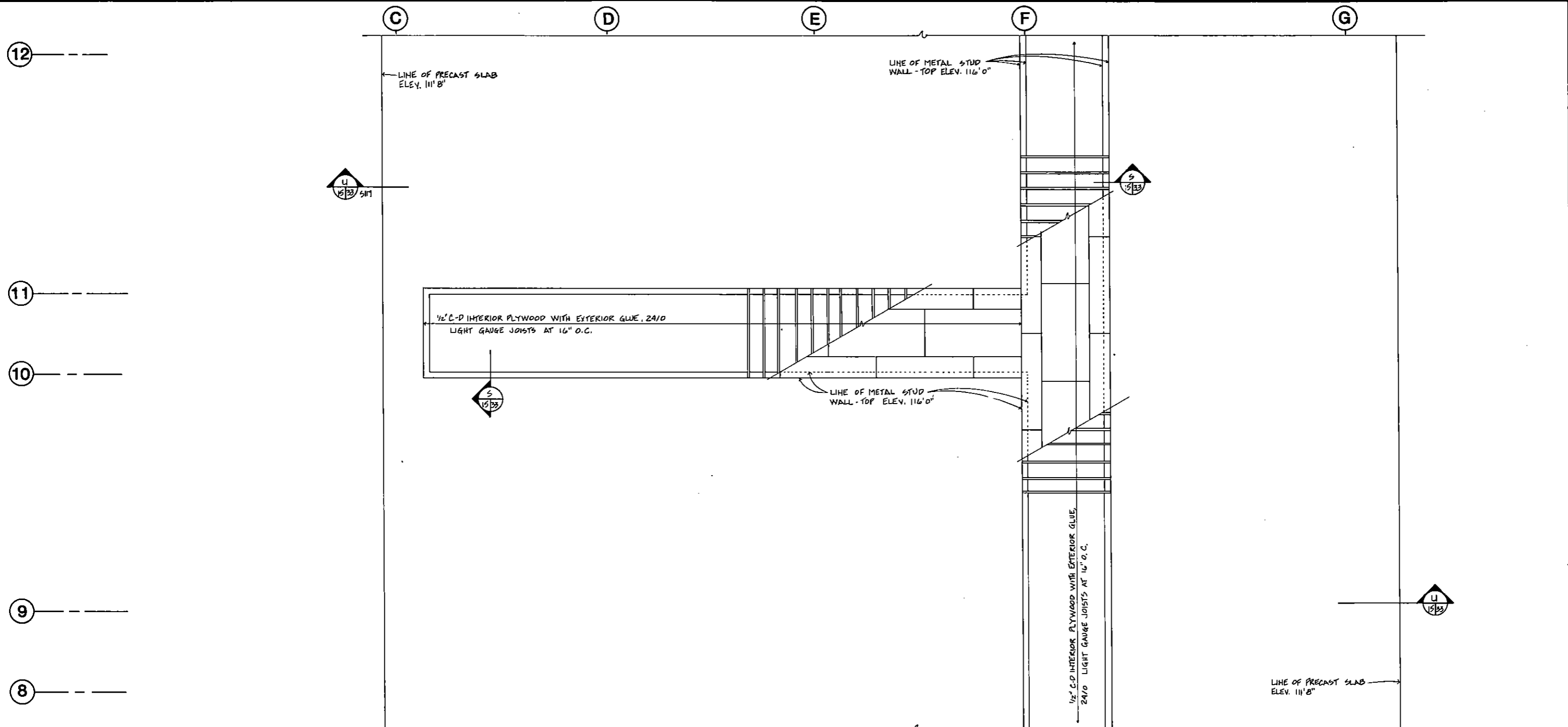
- NOTES:**
- SUPERIMPOSED LOADS  
LL-40 PSF  
DL-26 PSF  
MECHANICAL EQUIPMENT-WEIGHT AS SUPPLIED
  - BRICK VENEER AND PLYWOOD-PORCLEAN ENAMEL PANELS NOT SHOWN.
  - SEE SHEET A-9 THRU A-14 FOR OTHER DIMENSIONS.



◆ LINTEL - SEE SCHEDULE SHEET S-34

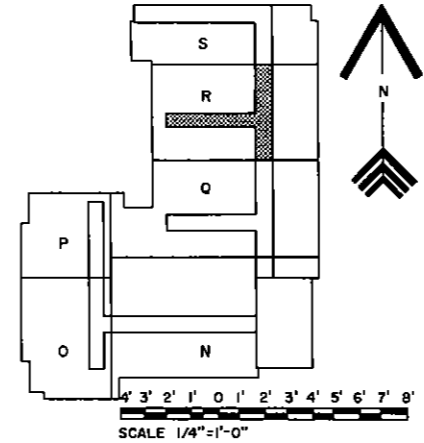
REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				
<b>UPPER ROOF FRAMING PLAN 'Q'</b>			<b>DATE 7/84</b>	
DESIGNED	LM	DRAWN	WRA	CHECKED
DRAWING NO.				DEC-WI-927-456.0

**SSS**



**UPPER ROOF FRAMING PLAN 'R'**  
SCALE 1/4"=1'-0"

- NOTES:**
1. SUPERIMPOSED LOADS  
LL-40 PSF  
DL-25 PSF  
MECHANICAL EQUIPMENT-WEIGHT AS SUPPLIED
  2. BRICK VENEER AND PLYWOOD-PORCLEAN ENAMEL PANELS NOT SHOWN.
  3. SEE SHEET A-9 THRU A-14 FOR OTHER DIMENSIONS.



◆ LINTEL - SEE SCHEDULE SHEET S-3A

REVISION	STATUS	DATE	DESCRIPTION	BY
MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN				
DATE 7/84			DESIGNED LM	DRAWN WRA
			CHECKED LM	DRAWING NO. DEC-WI-927-457.0

**LSI**

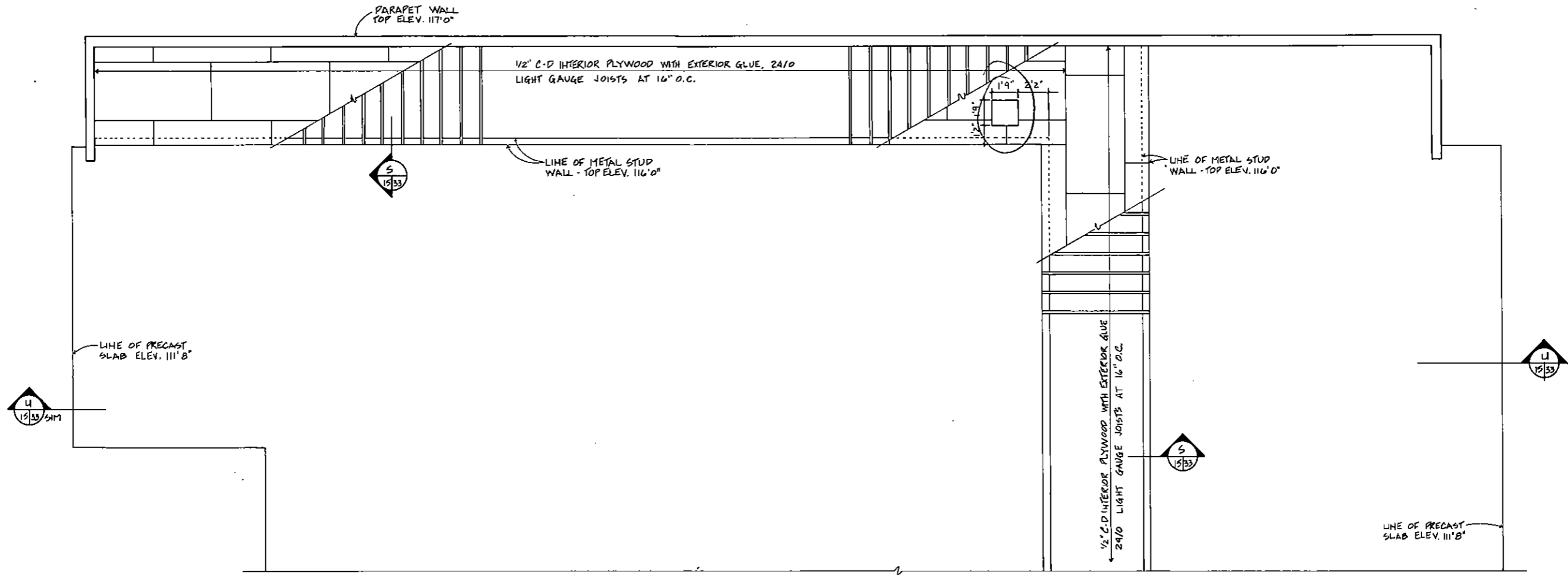
C D E F G

15

14

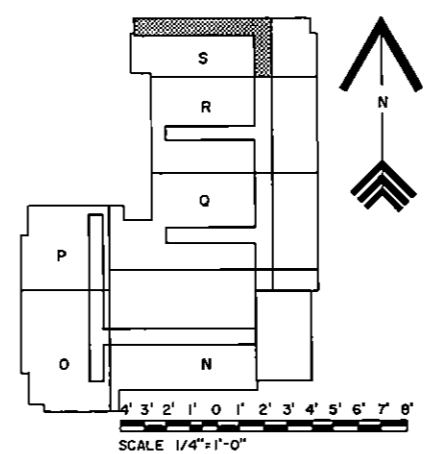
13

12



**UPPER ROOF FRAMING PLAN 'S'**  
SCALE 1/4"=1'-0"

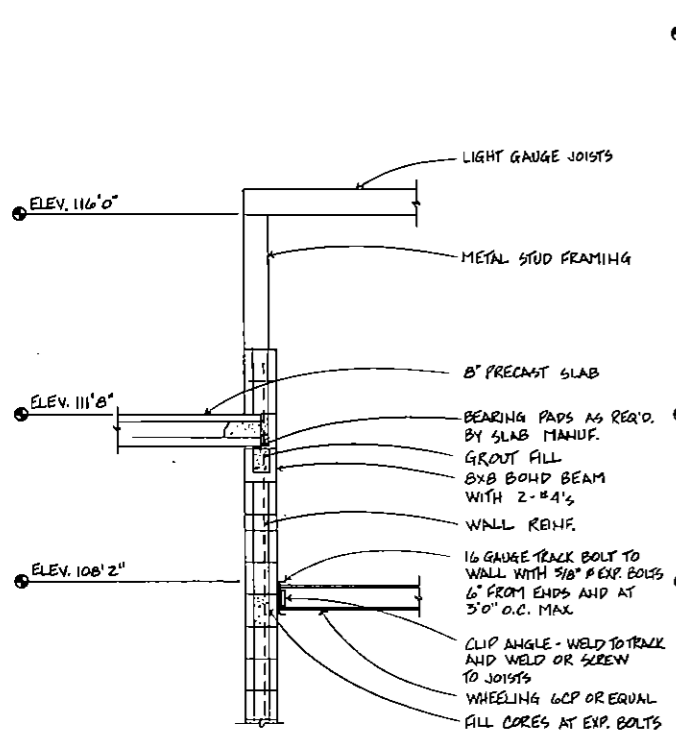
- NOTES:**
1. SUPERIMPOSED LOADS  
LL-40 PSF  
DL-25 PSF  
MECHANICAL EQUIPMENT-WEIGHT AS SUPPLIED
  2. BRICK VENEER AND PLYWOOD-PORCLEAN ENAMEL PANELS NOT SHOWN.
  3. SEE SHEET A-9 THRU A-14 FOR OTHER DIMENSIONS.



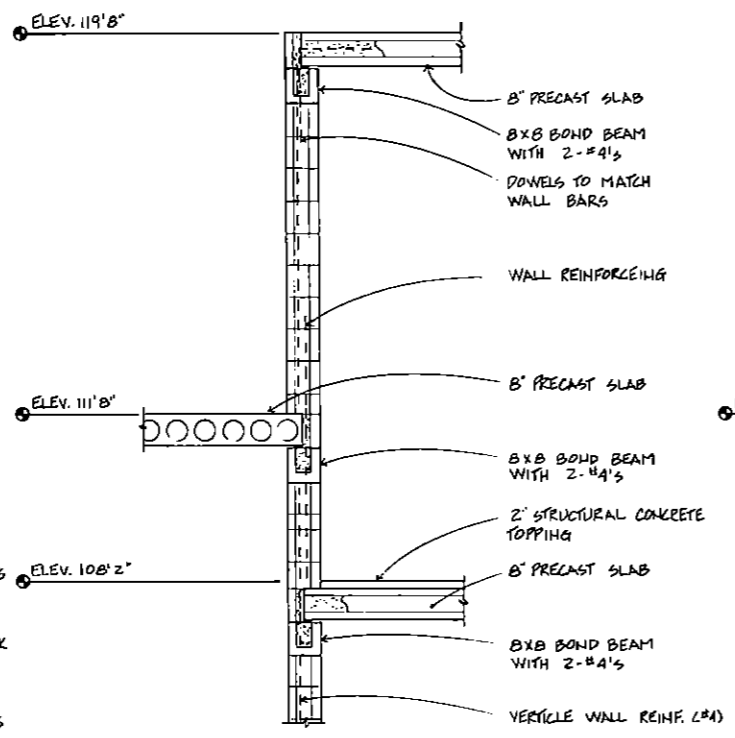
LINTEL - SEE SCHEDULE SHEET S-34

REVISION	STATUS	DATE	DESCRIPTION	BY
MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN				
DATE 7/84		DESIGNED LM	DRAWN WRA	CHECKED LM
DRAWING NO. DEC-WI-927-458.0				

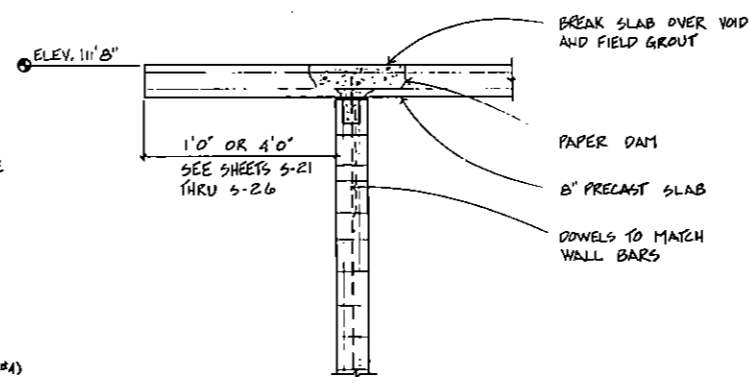
**SSS**



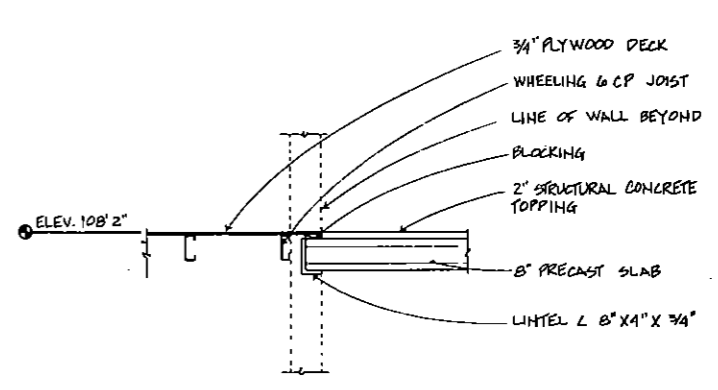
**S WALL SECTION**  
SCALE 1/2":1'-0"



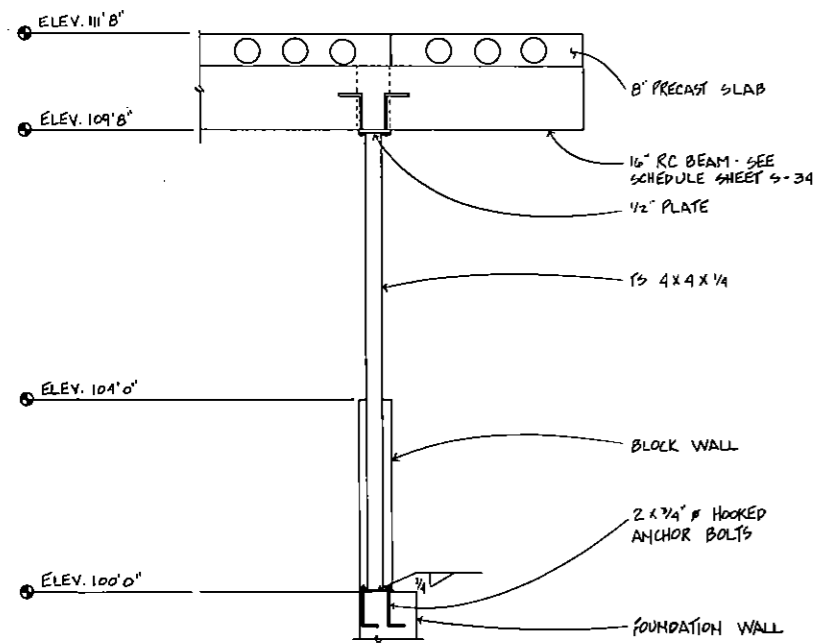
**T WALL SECTION**  
SCALE 1/2":1'-0"



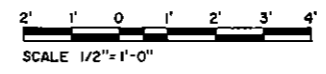
**U WALL SECTION**  
SCALE 1/2":1'-0"



**V WALL SECTION**  
SCALE 1/2":1'-0"



**W WALL SECTION**  
SCALE 1/2":1'-0"



REVISION	STATUS	DATE	DESCRIPTION	BY

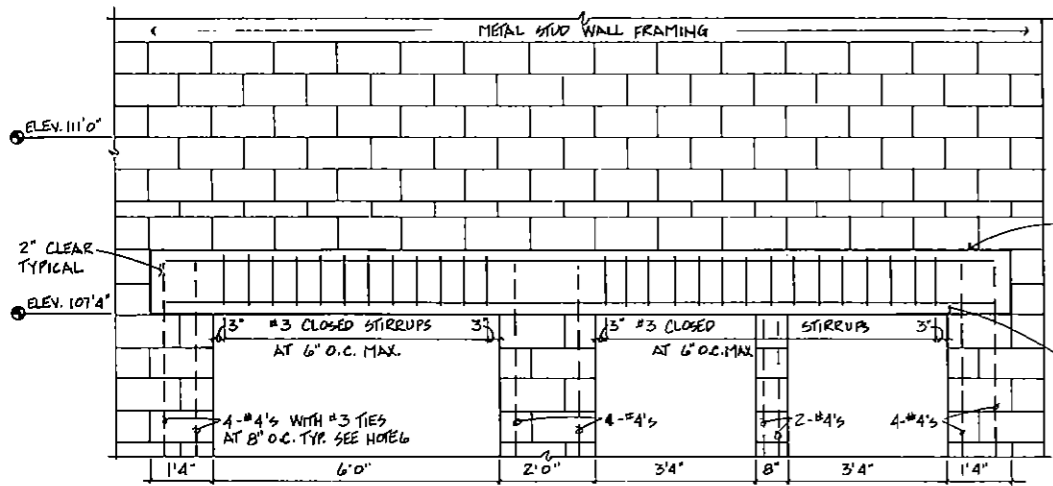
**MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN**

**WALL SECTIONS**

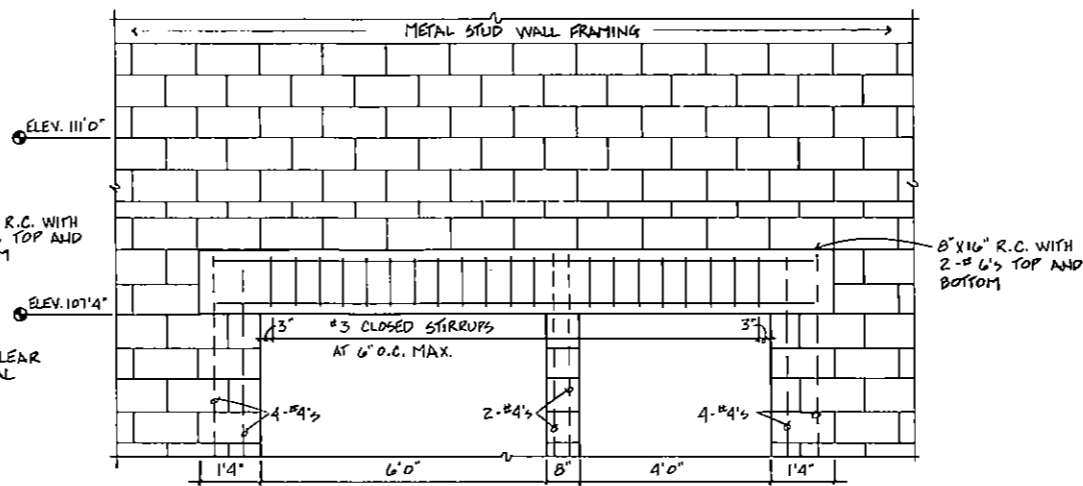
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	LM	WRA	LM	DEC-WI-927-459.0

**CS**

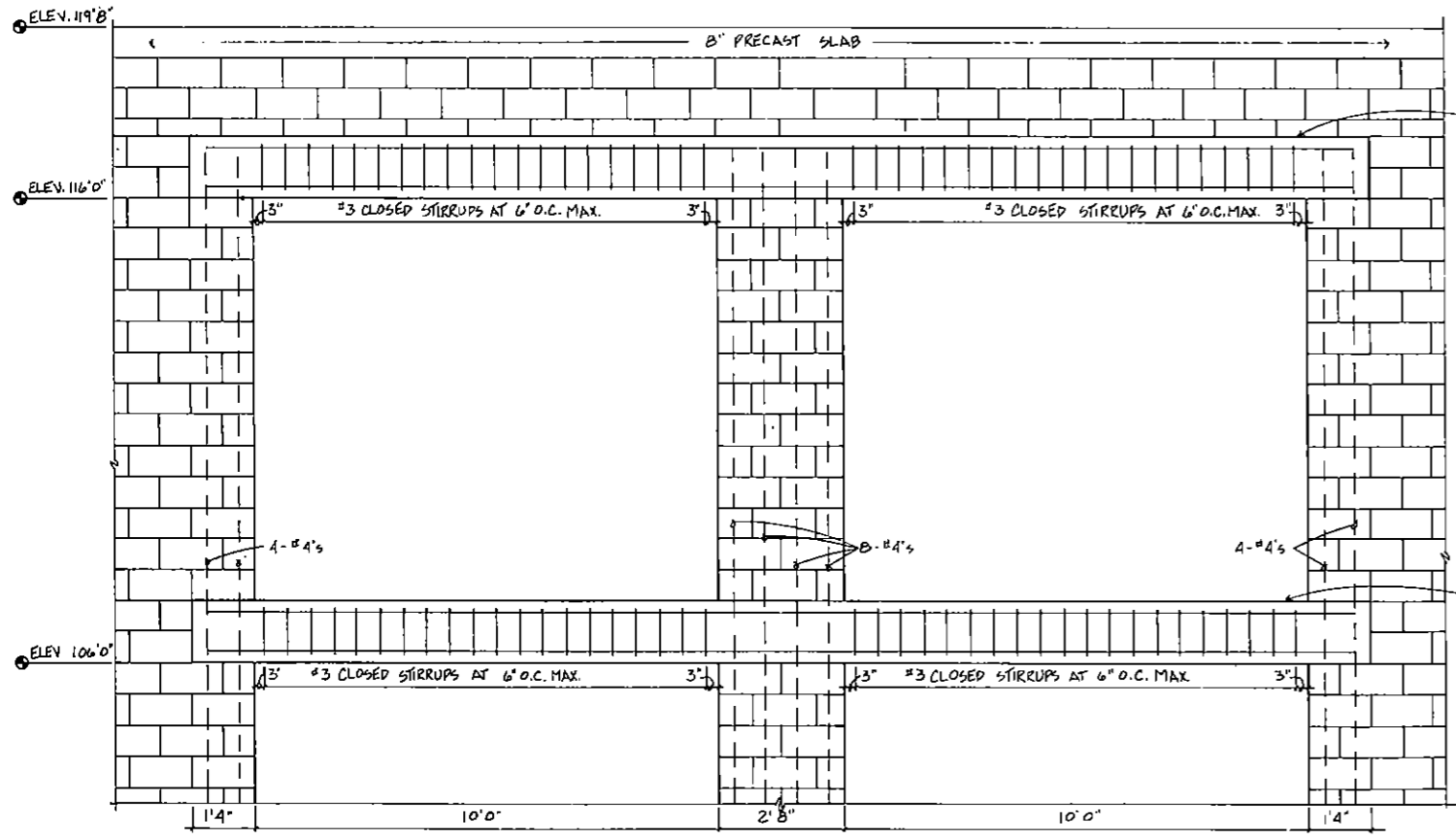




**LINTEL L1**  
SCALE 1/2":1'-0"

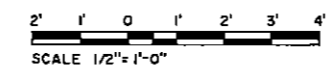


**LINTEL L2**  
SCALE 1/2":1'-0"



**LINTELS L3 & L10**  
SCALE 1/2":1'-0"

LINTEL SCHEDULE			
LINTEL	TYPE	BEARING ELEVATION	REMARKS
L1	8" X 16" RC WITH 2-#6'S TOP AND BOTTOM AND #3 STIRRUPS AT 6" O.C. MAX.	107'4"	SHEET 5-15 & 5-16
L2	8" X 16" RC WITH 2-#6'S TOP AND BOTTOM AND #3 STIRRUPS AT 6" O.C. MAX.	107'4"	SHEET 5-15 & 5-16
L3	8" X 16" RC WITH 3-#6'S TOP AND BOTTOM AND #3 STIRRUPS AT 6" O.C. MAX.	106'0"	SHEET 5-15
L4	L 8" X 4" X 3/4"	107'4"	SHEET 5-21
L5	L 8" X 4" X 3/4"	107'4"	SHEET 5-15
L6	8" X 16" RC WITH 2-#6'S TOP AND BOTTOM AND #3 STIRRUPS AT 6" O.C. MAX.	107'4"	SHEET 5-16 THRU 5-18
L7	8" X 16" RC WITH 2-#4'S TOP AND BOTTOM AND #3 STIRRUPS AT 6" O.C. MAX.	107'4"	8" X 16" PLASTER WITH 4-#4'S EACH END SHEET 5-16 THRU 5-18
L8	8" X 16" RC WITH 2-#4'S TOP AND BOTTOM AND #3 STIRRUPS AT 6" O.C. MAX.	109'8"	8" X 16" PLASTER WITH 4-#4'S EACH END SHEET 5-21 THRU 5-26
L9	8" X 16" RC WITH 2-#4'S TOP AND BOTTOM AND #3 STIRRUPS AT 6" O.C. MAX.	109'8"	8" X 16" PLASTER WITH 4-#4'S EACH END SHEET 5-21 THRU 5-29
L10	8" X 16" RC WITH 3-#6'S TOP AND BOTTOM AND #3 STIRRUPS AT 6" O.C. MAX.	116'0"	SHEET 5-27
L11	8" X 16" RC WITH 2-#4'S TOP AND BOTTOM AND #3 STIRRUPS AT 6" O.C. MAX.	116'0"	SHEET 5-27
LINTELS 4'0" AND GREATER NOT OTHERWISE DETAILED - 8" X 16" WITH 2-#4'S			
LINTELS LESS THAN 4'0" - 8" X 8" WITH 2-#4'S			



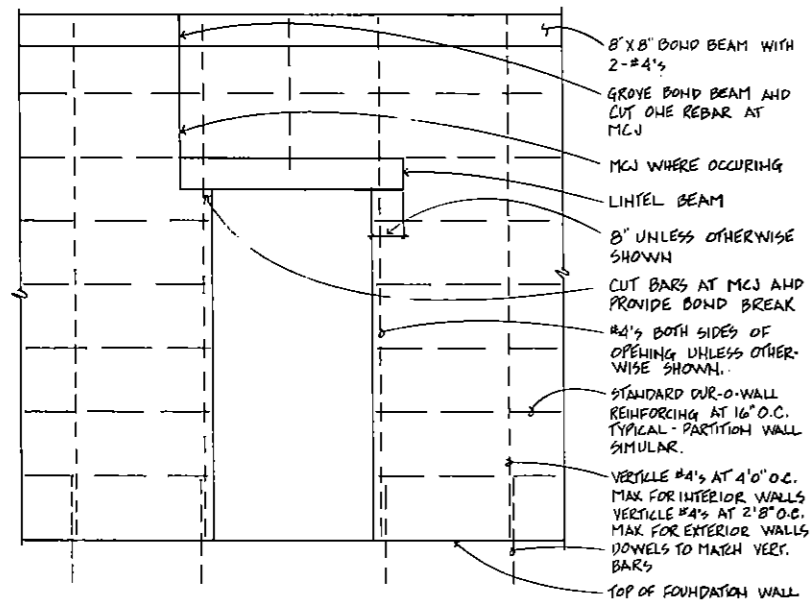
REVISION	STATUS	DATE	DESCRIPTION	BY

MADISON NATIONAL WILDLIFE HEALTH LABORATORY  
 ANIMAL ISOLATION BUILDING  
 MADISON, WISCONSIN

**LINTEL DETAILS AND LINTEL SCHEDULE**

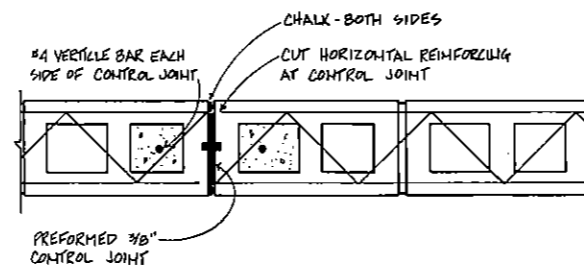
DATE 7/84    DESIGNED LM    DRAWN WRA    CHECKED LM    DRAWING NO. DEC-WI-927-460.0

**S34**



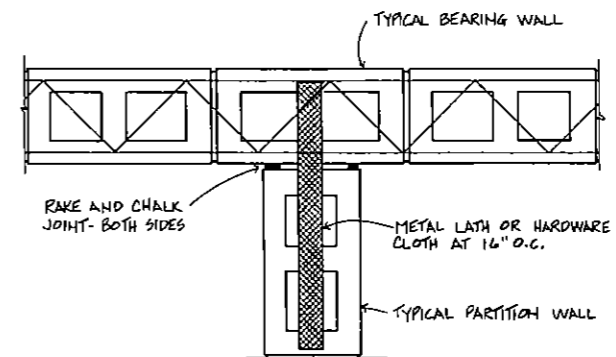
TYPICAL MASONRY WALL REINFORCING

NTS



TYPICAL MASONRY CONTROL JOINT

NTS



TYPICAL PARTITION/BEARING WALL INTERSECTION

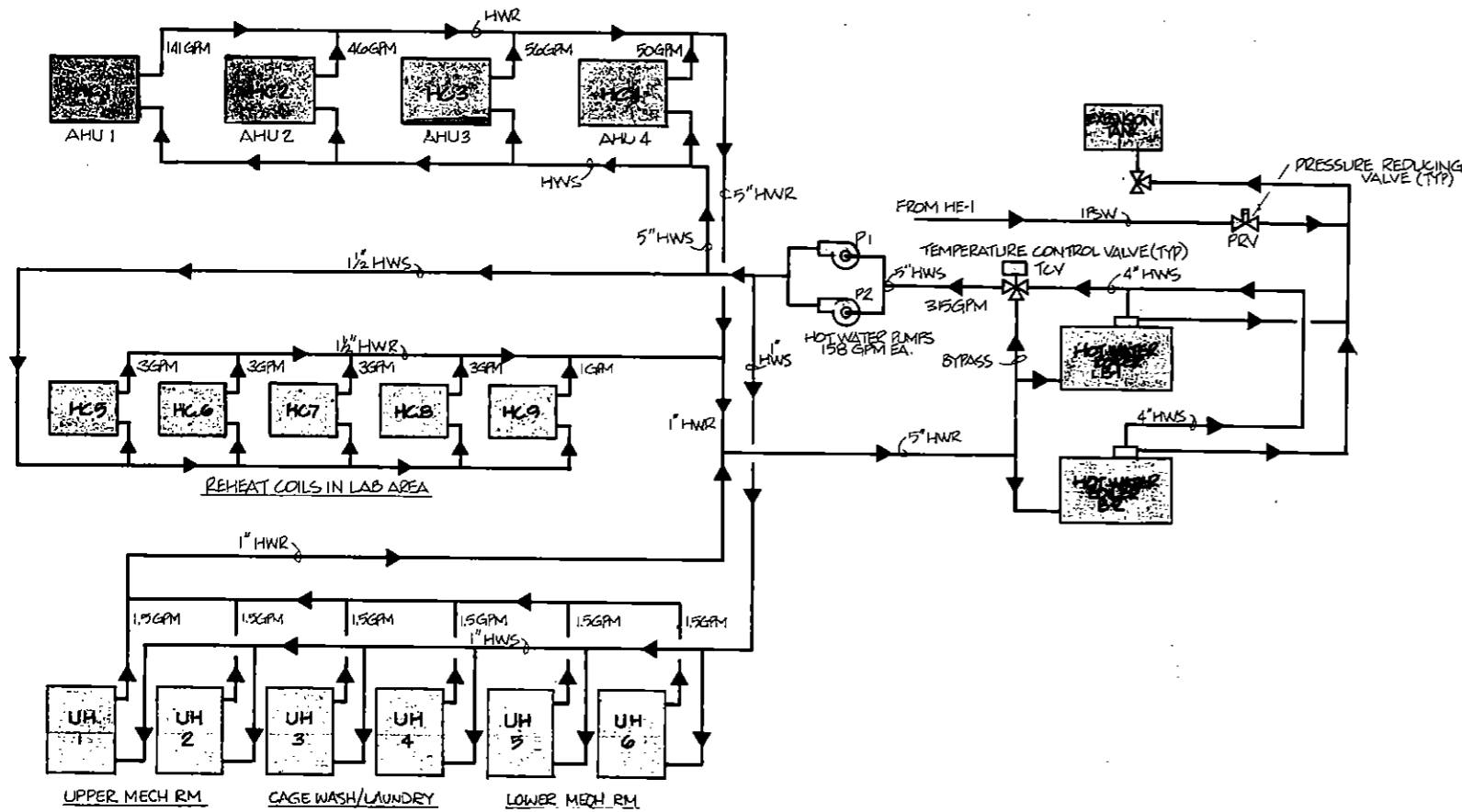
NTS

**MASONRY NOTES:**

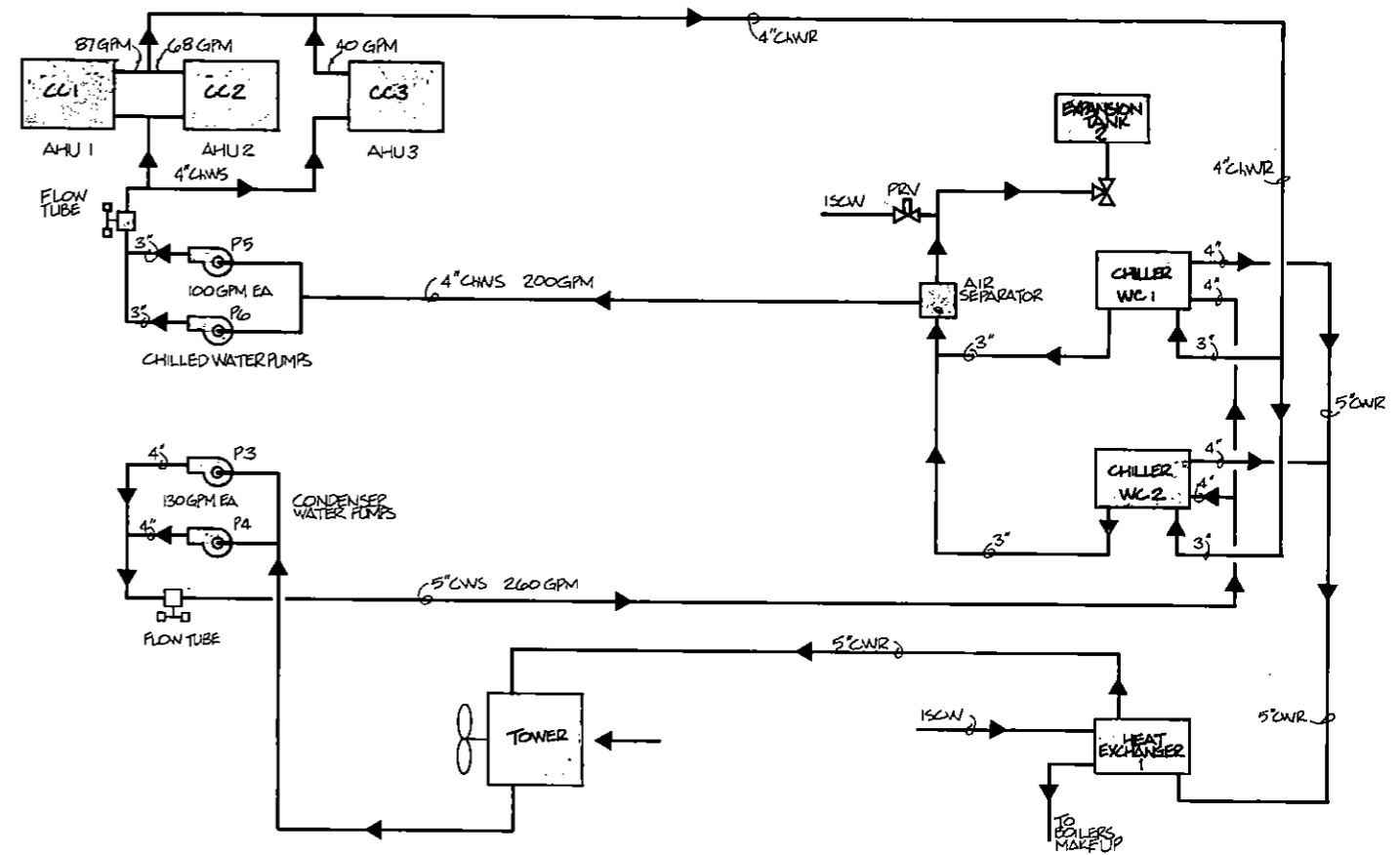
1. PROVIDE CJ IN BRICK VENEER WHEREVER MCJ OCCURS.
2. PROVIDE CJ IN BOND BEAM WHEREVER MCJ OCCURS. GROOVE BOND BEAM AND CUT ONE BOND BEAM BAR.
3. PROVIDE MCJ's AS SHOWN ON SHEETS A-THRU A- AND AT ALL INTERSECTIONS OF NON-BEARING WALLS WITH BEARING WALLS OR PILASTERS.
4. PROVIDE VERTICLE WALL REINFORCING AS SHOWN ON SHEET S-35 AND IN ADDITION PROVIDE 1-#4,
  - A. BOTH SIDES OF WALL OPENINGS.
  - B. EACH WALL CORNER.
  - C. EACH SIDE OF MCJ's.
5. FILL BLOCK CORES AT VERTICLE WALL REINFORCING.
6. PROVIDE #3 HORIZONTAL TIES AT 8" O.C. WHEREVER VERTICLE REINFORCING IS REQUIRED UNDER LINTEL BEAM BEARINGS.
7. PROVIDE 8"x8" BOND BEAM WITH 2-#4's AT THE TOP OF ALL WALLS AND AT FLOOR BEARINGS UNLESS OTHERWISE SHOWN.

REVISION	STATUS	DATE	DESCRIPTION	BY
MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN				<b>MASONRY DETAILS            AND MASONRY NOTES</b>
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	LM	WRA	LM	DEC-WI-927-461.0

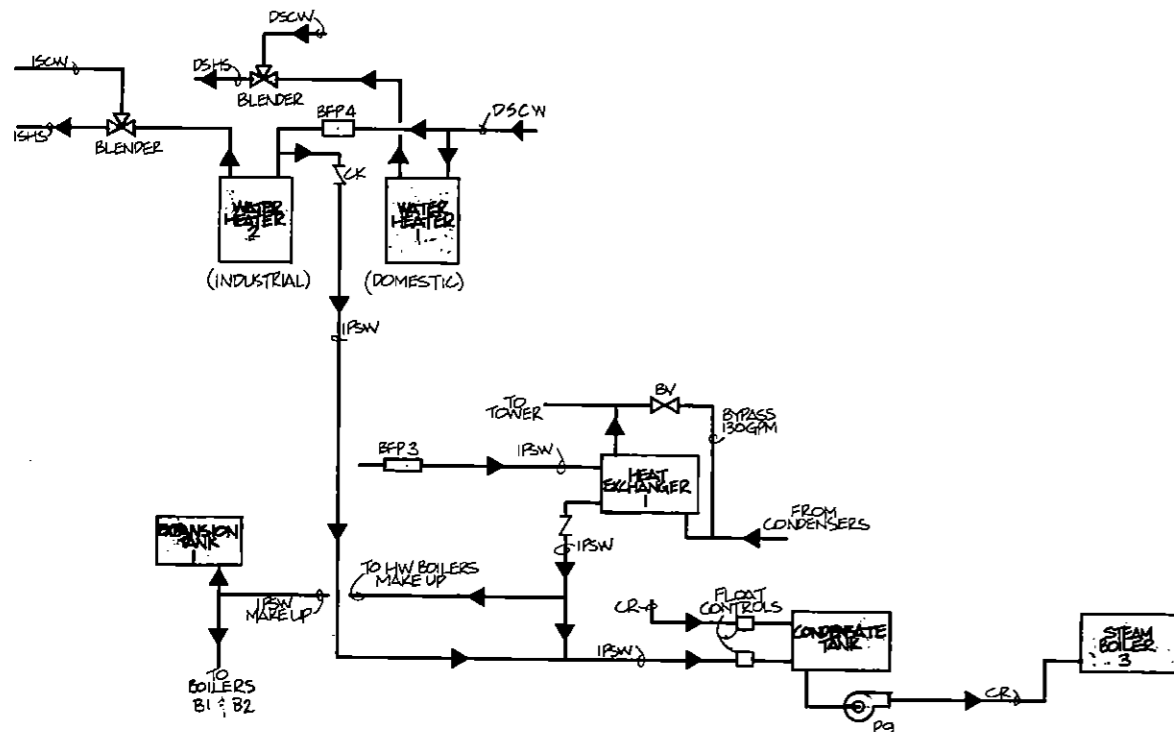
**935**



**HOT WATER PIPING**



**CHILLED/CONDENSER WATER PIPING**



**HEAT CONSERVATION PIPING**

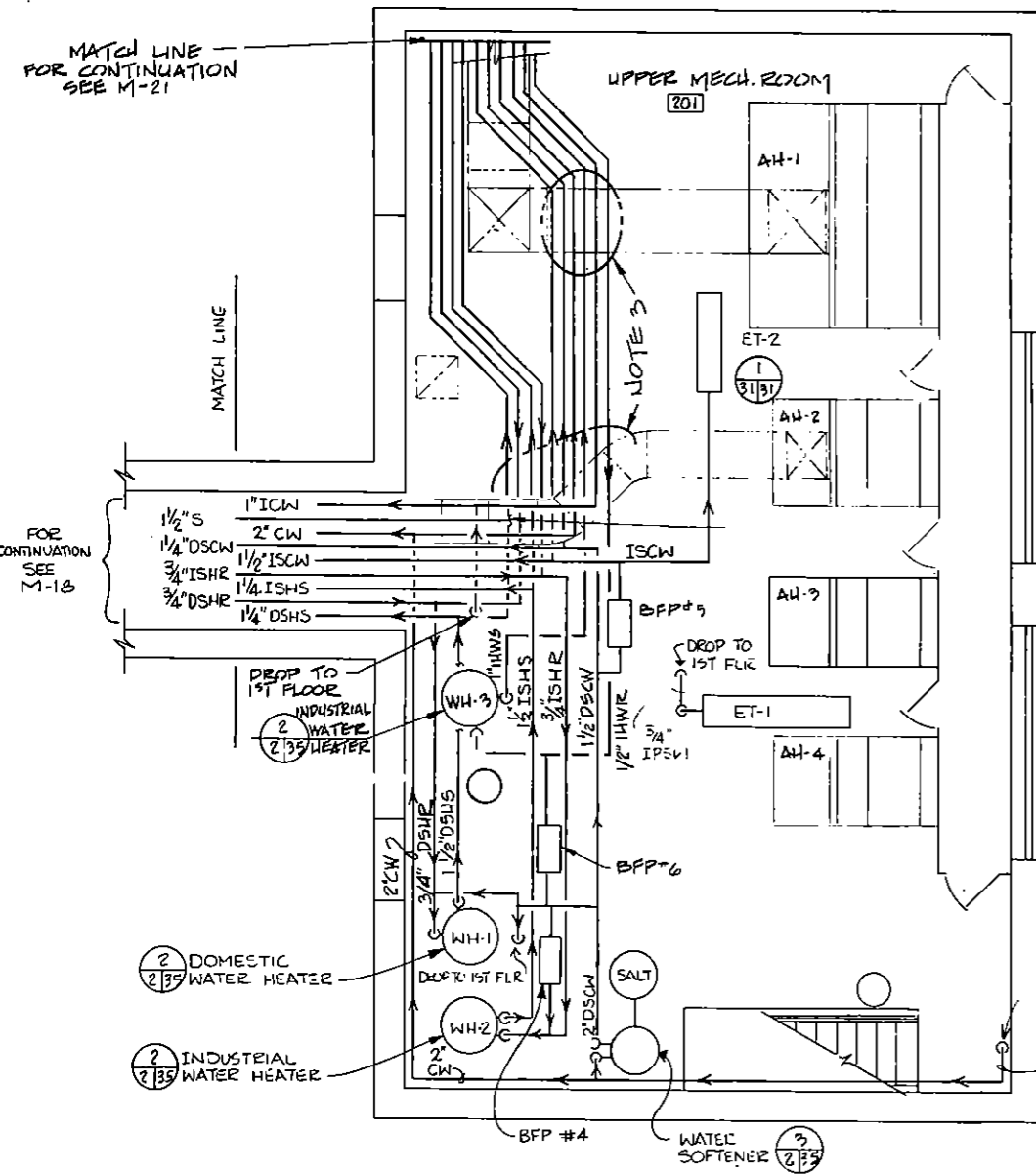
**LEGEND**

- AHU AIR HANDLING UNIT
- UH UNIT HEATERS
- CWR CHILLED WATER RETURN
- CWS CHILLED WATER SUPPLY
- CWR CONDENSER WATER RETURN
- CWS CONDENSER WATER SUPPLY
- HWR HOT WATER RETURN (SPACE HEATING)
- HWS HOT WATER SUPPLY (SPACE HEATING)
- HC HEATING COIL
- BV BALANCE VALVE
- DSHR DOMESTIC SOFT HOT WATER RETURN (POTABLE)
- DSHS DOMESTIC SOFT HOT WATER SUPPLY (POTABLE)
- DSCW DOMESTIC SOFT COLD WATER
- IPSW INDUSTRIAL PRE-HEATED SOFT WATER
- ISCW INDUSTRIAL SOFT COLD WATER (NON POTABLE)
- ISHS INDUSTRIAL SOFT HOT SUPPLY (NON POTABLE)
- PHSW PRE-HEATED SOFT WATER (POTABLE)
- BFP BACKFLOW PREVENTER

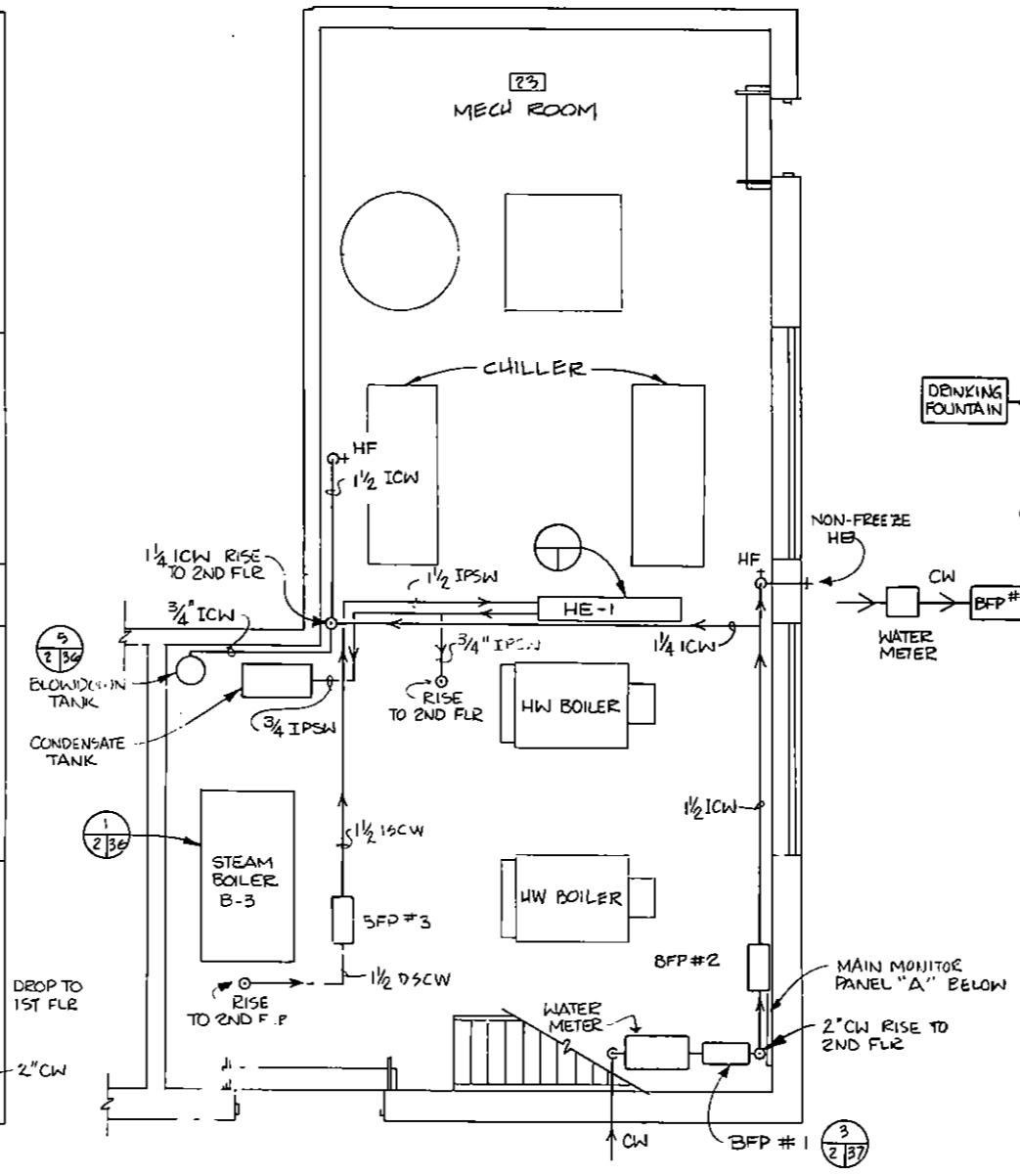
**NOTE**

PLACE SCHEMATICS ON THIS SHEET ON MAIN MONITOR PANEL MPA WITH INDICATING LIGHTS

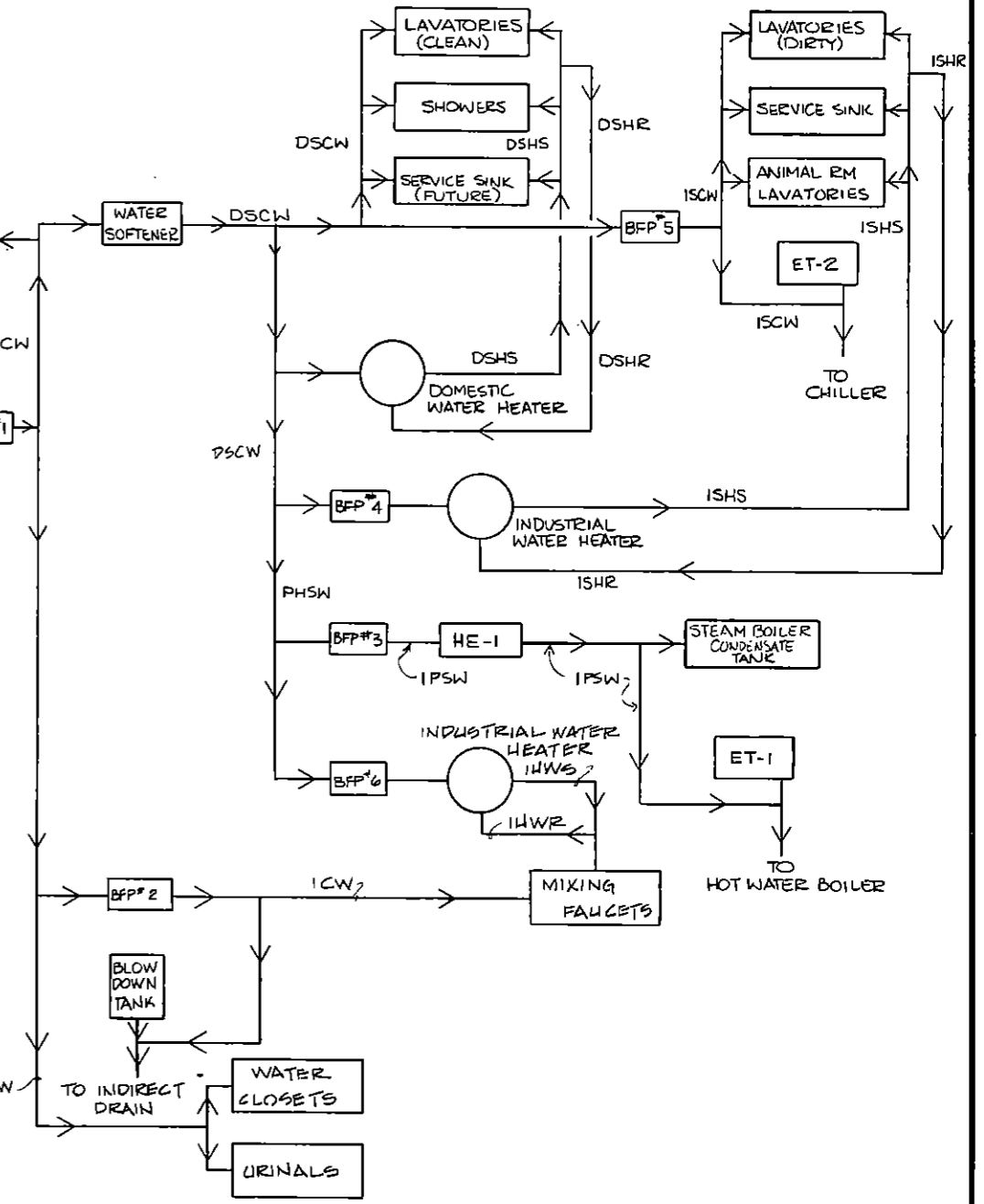
REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				
			<b>HEATING, COOLING PIPING SCHEMATICS</b>	
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WJ/SJ	DB	SM/JF	DEC-WI-927-462.0



**SECOND FLOOR PLAN**  
1/4" = 1'-0"

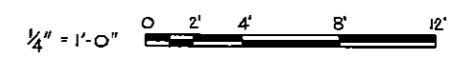
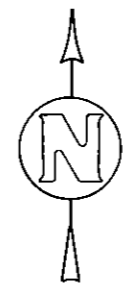


**FIRST FLOOR PLAN**  
1/4" = 1'-0"



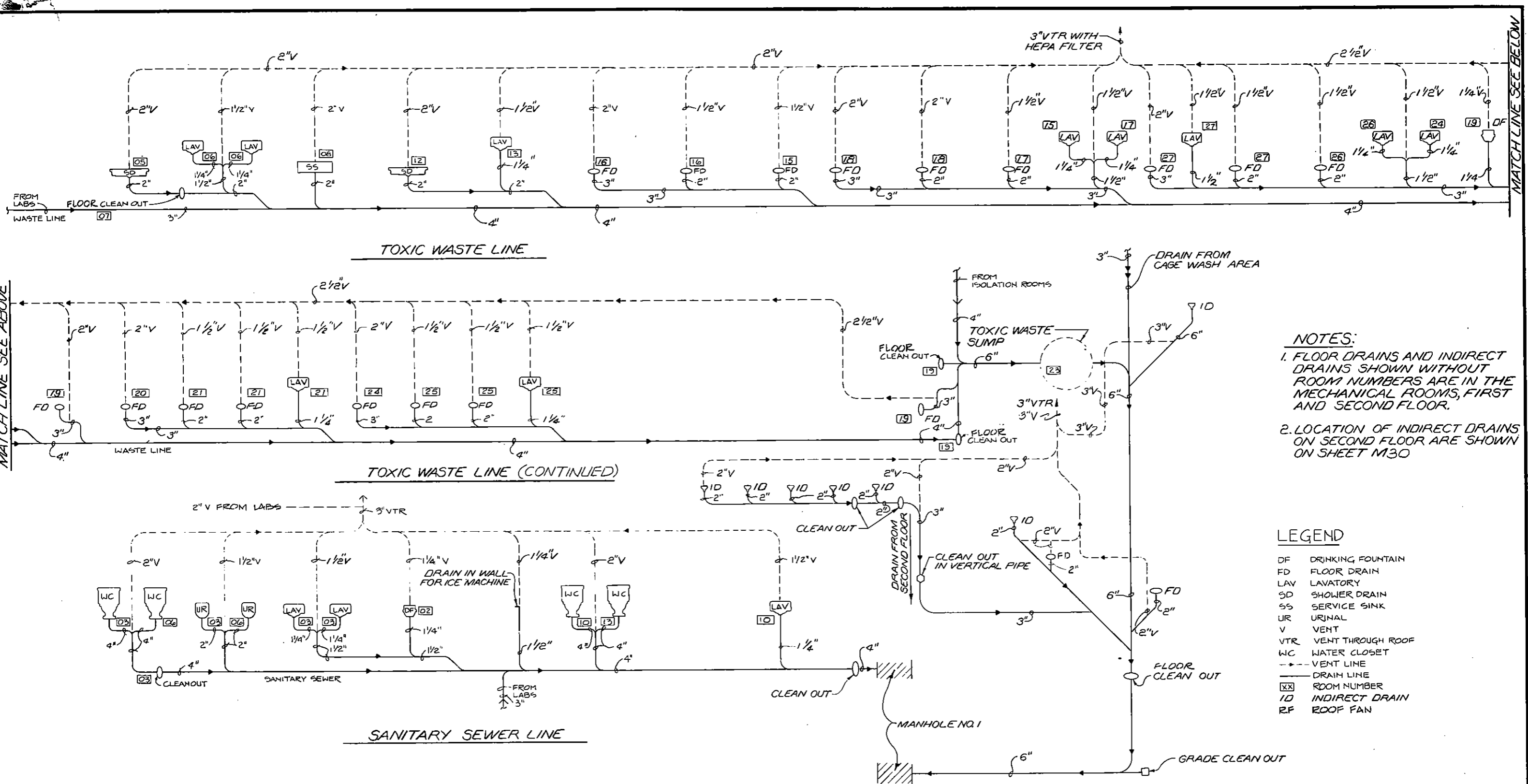
- LEGEND**
- CW COLD WATER (POTABLE)
  - ICW INDUSTRIAL COLD WATER (NON-POTABLE)
  - ISCW INDUSTRIAL SOFT COLD WATER (NON-POTABLE)
  - ISHS INDUSTRIAL SOFT HOT SUPPLY (NON-POTABLE)
  - ISHR INDUSTRIAL SOFT HOT RETURN (NON-POTABLE)
  - DSHS DOMESTIC SOFT HOT SUPPLY (POTABLE)
  - DSHR DOMESTIC SOFT HOT RETURN (POTABLE)
  - DSCW DOMESTIC SOFT COLD WATER (POTABLE)
  
  - IPSW INDUSTRIAL PRE-HEATED SOFT WATER (NON-POTABLE)
  - BFP BACK FLOW PREVENTER
  - HB HOSE BIBB

- NOTES:**
1. INSTALL PIPING OVERHEAD UNLESS OTHERWISE INDICATED.
  2. T INDICATES A FULL SIZED CAPPED TEE.
  3. INSTALL PIPING UNDER DUCT WORK



REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY</b> <b>ANIMAL ISOLATION BUILDING</b> <b>MADISON, WISCONSIN</b>				
<b>EQUIPMENT WATER PIPING PLAN AND SCHEMATIC</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	MO/GS	SH/GS	JF	DEC-WI-927-463.0

**M2**



**NOTES:**

1. FLOOR DRAINS AND INDIRECT DRAINS SHOWN WITHOUT ROOM NUMBERS ARE IN THE MECHANICAL ROOMS, FIRST AND SECOND FLOOR.
2. LOCATION OF INDIRECT DRAINS ON SECOND FLOOR ARE SHOWN ON SHEET M30

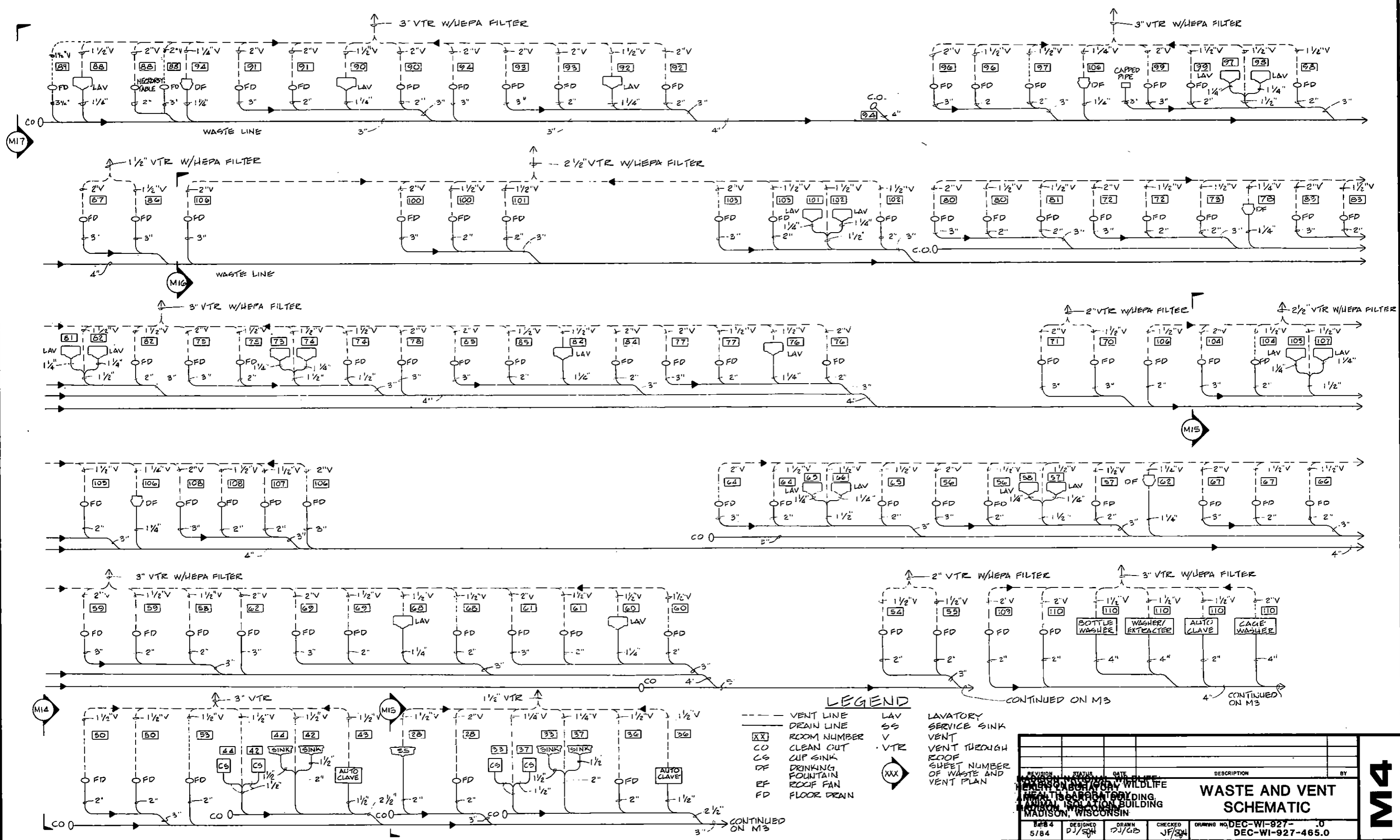
**LEGEND**

- DF DRINKING FOUNTAIN
- FD FLOOR DRAIN
- LAV LAVATORY
- SD SHOWER DRAIN
- SS SERVICE SINK
- UR URINAL
- V VENT
- VTR VENT THROUGH ROOF
- WC WATER CLOSET
- - - VENT LINE
- DRAIN LINE
- XX ROOM NUMBER
- ID INDIRECT DRAIN
- RF ROOF FAN

WASTE WATER & VENT SCHEMATIC  
NOT TO SCALE

REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				
<b>WASTE AND VENT SCHEMATIC</b>			<b>DWG. NO. 27-464.0</b>	
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
9/84	DJ/304	DJ/304	JF/304	DEC 01 1984

**M3**



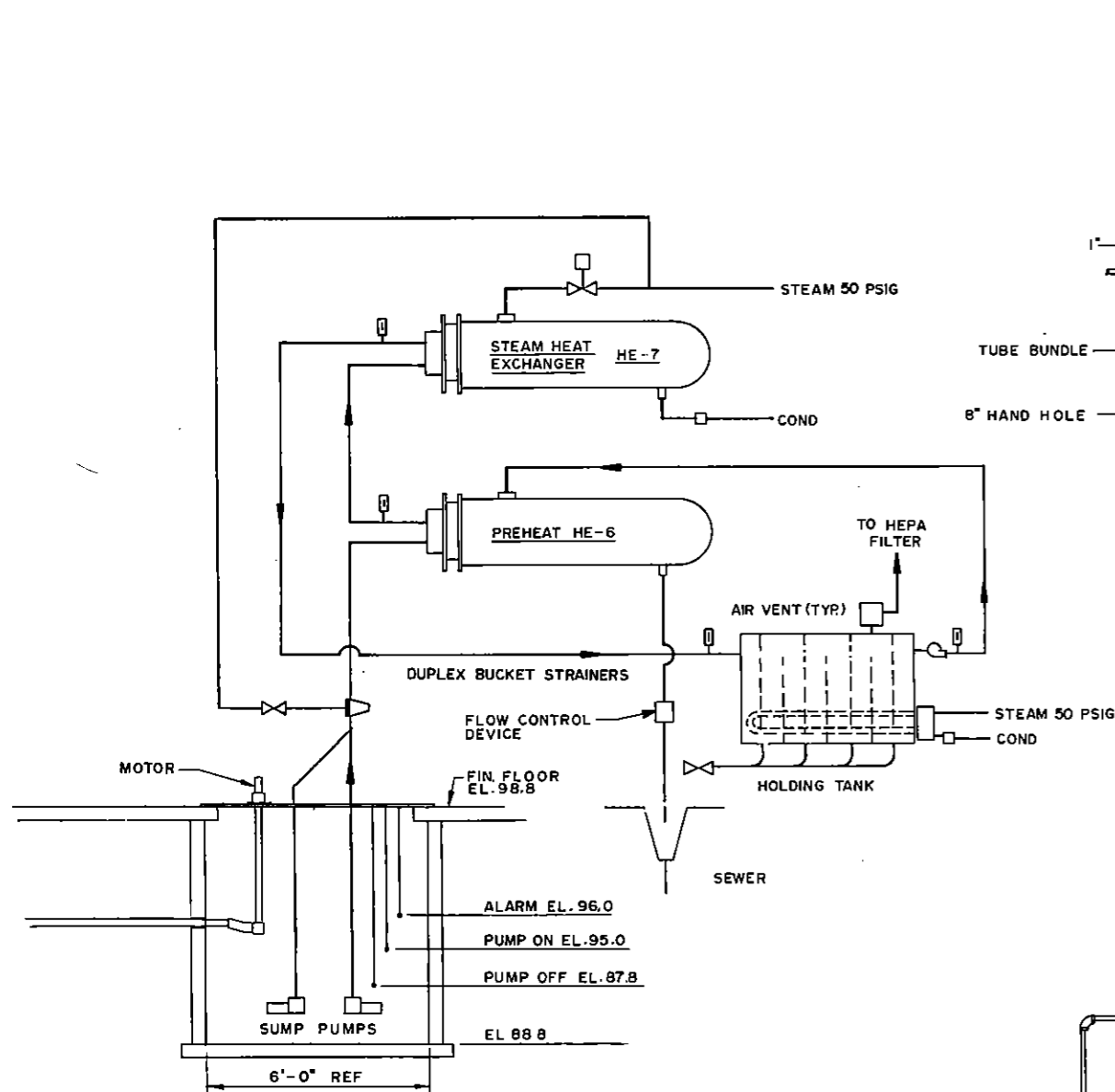
- LEGEND**
- VENT LINE
  - DRAIN LINE
  - XX ROOM NUMBER
  - CO CLEAN OUT
  - CS CUP SINK
  - DF DRINKING FOUNTAIN
  - RF ROOF FAN
  - FD FLOOR DRAIN
  - LAV LAVATORY
  - SS SERVICE SINK
  - V VENT
  - VTR VENT THROUGH ROOF

REVISION	STATUS	DATE	BY	DESCRIPTION

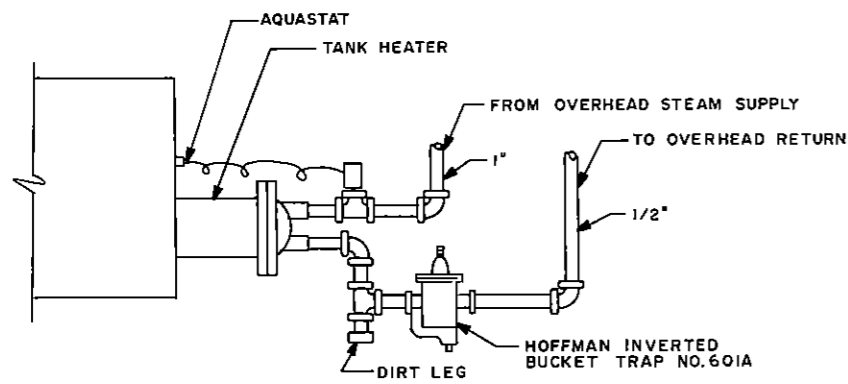
WILDLIFE RESEARCH CENTER BUILDING  
 HEALTH CARE BUILDING  
 ANIMAL ISOLATION BUILDING  
 MADISON, WISCONSIN

**WASTE AND VENT SCHEMATIC**

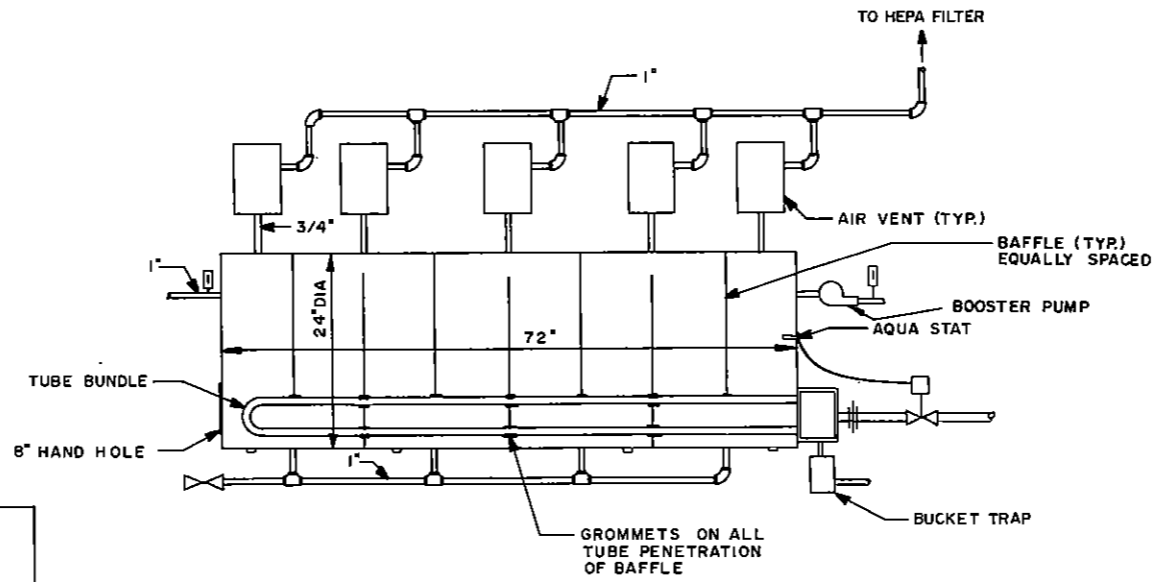
DESIGNED: DJ/SJH  
 DRAWN: DJ/GJB  
 CHECKED: JF/SJH  
 DRAWING NO. DEC-WI-927-465.0



TOXIC WASTE SCHEMATIC  
NOT TO SCALE

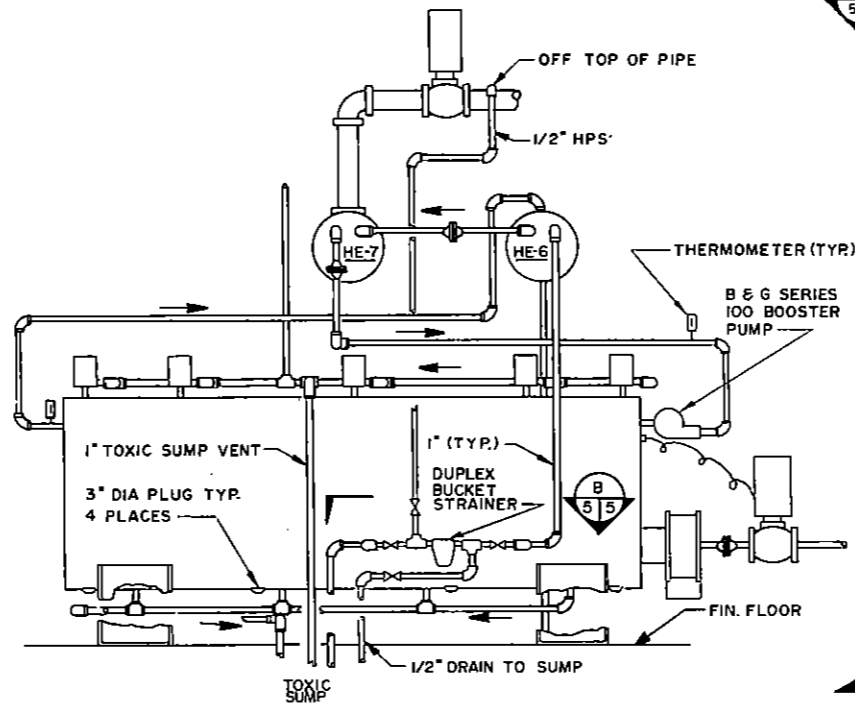


TANK HEATER DETAIL  
NOT TO SCALE



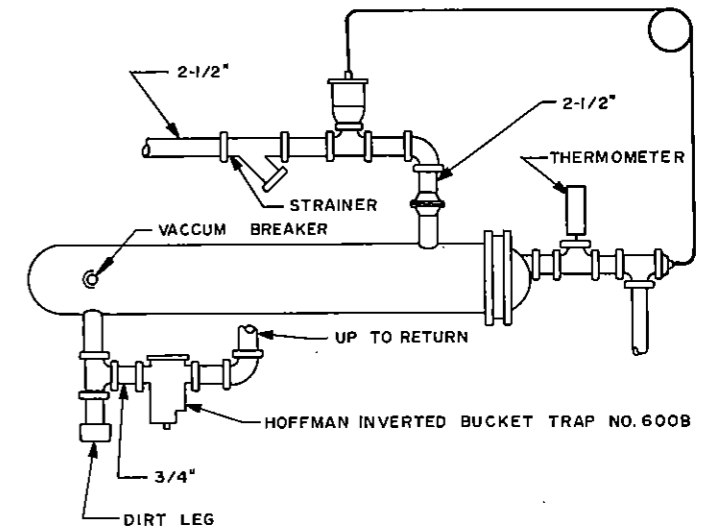
TOXIC WASTE HOLDING TANK ELEVATION

SCALE: 1"=1'-0"

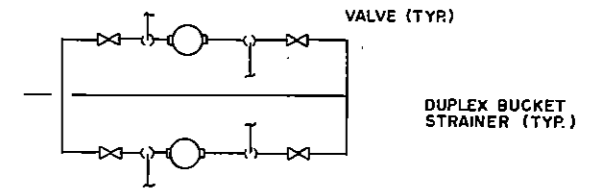


TOXIC WASTE HOLDING TANK AND HEAT EXCHANGER

SCALE: 1"=1'-0"



HEAT EXCHANGER  
NOT TO SCALE



DUPLEX BUCKET STRAINER DETAIL

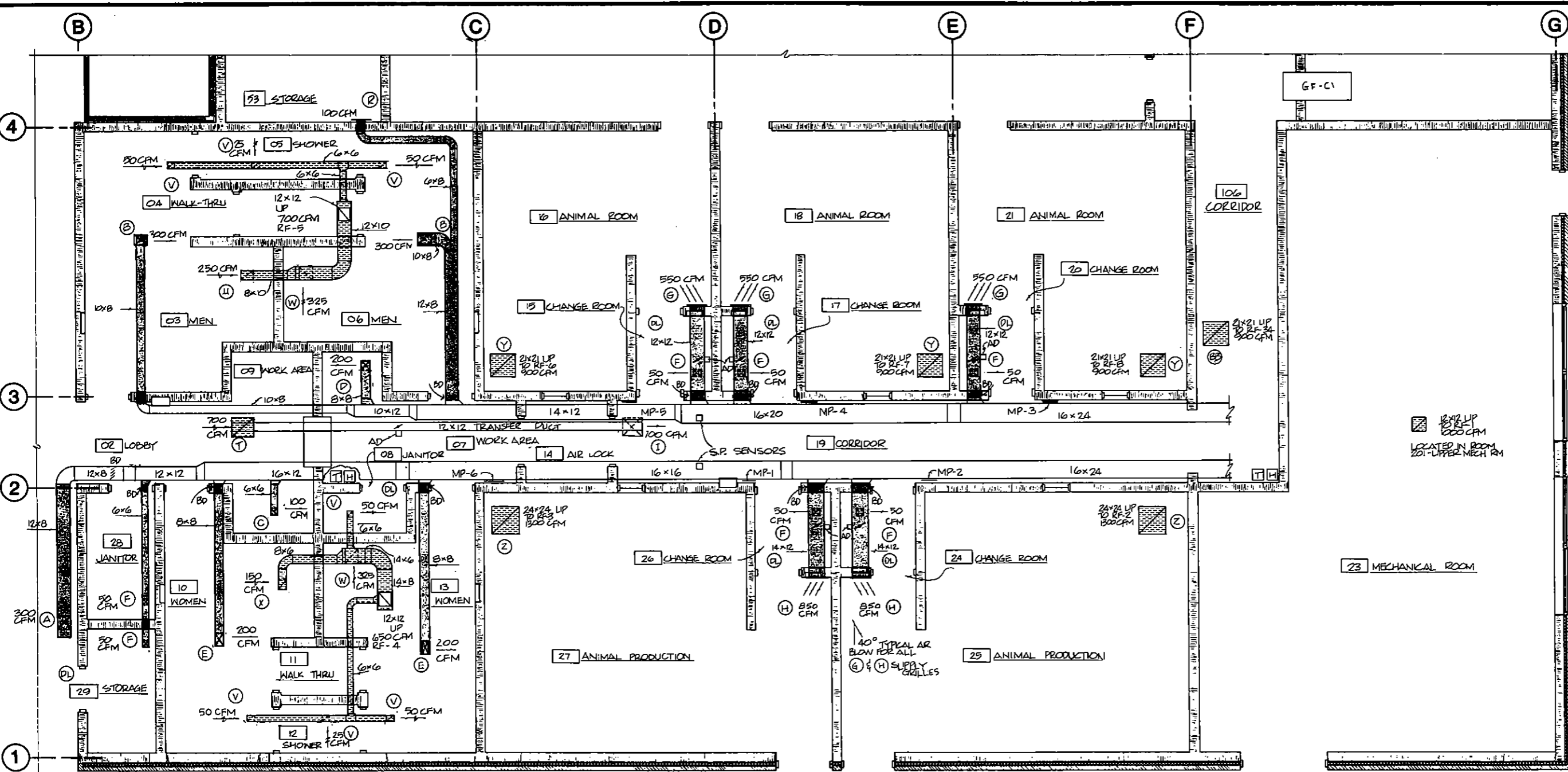
A  
5/5

A  
5/5

DETAIL  
SCALE: 1"=1'-0"

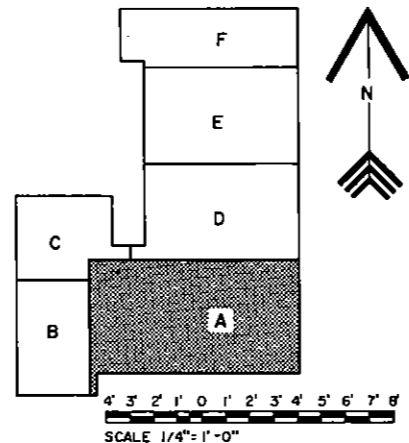
REVISION	STATUS	DATE	DESCRIPTION	BY
MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN			TOXIC WASTE TREATMENT SYSTEM PIPING SCHEMATICS AND DETAILS	
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	JF	GB	JF	DEC-WI-927-466.0

M5



- LEGEND**
- MP MONITOR PANEL
  - H HUMIDISTAT
  - T THERMOSTAT
  - AD AUTOMATIC DAMPER
  - BD BALANCE DAMPER
  - DL DOOR LOUVER
  - (A) THRU (DD) SUPPLY DIFFUSER OR RETURN GRILLE SYMBOL
  - [Hatched Box] SUPPLY DUCTWORK LOCATED BETWEEN CEILING AND ROOF
  - [Cross-hatched Box] EXHAUST DUCTWORK LOCATED BETWEEN CEILING AND ROOF
  - [Dotted Box] DUCTWORK LOCATED IN PIPECHASE

**NOTES:**  
 ALL EXHAUST DUCTWORK TO BE ALUMINUM  
 MAINTAIN NEGATIVE STATIC PRESSURE:  
 CORRIDOR - .05" H<sub>2</sub>O NEG  
 ANIMAL ROOMS - .10" H<sub>2</sub>O NEG



REVISION	STATUS	DATE	DESCRIPTION	BY

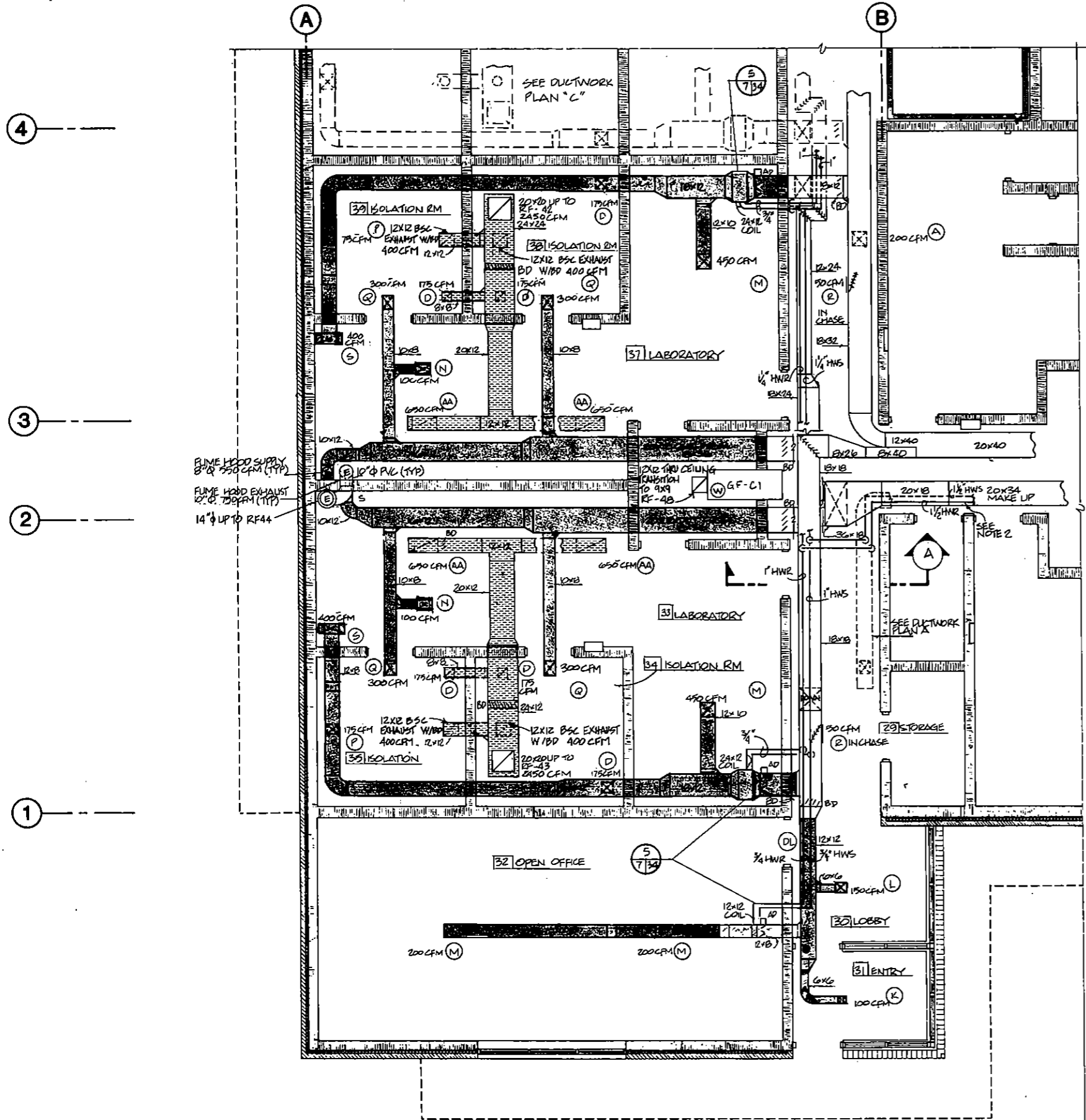
**MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN**

**DUCTWORK PLAN A**

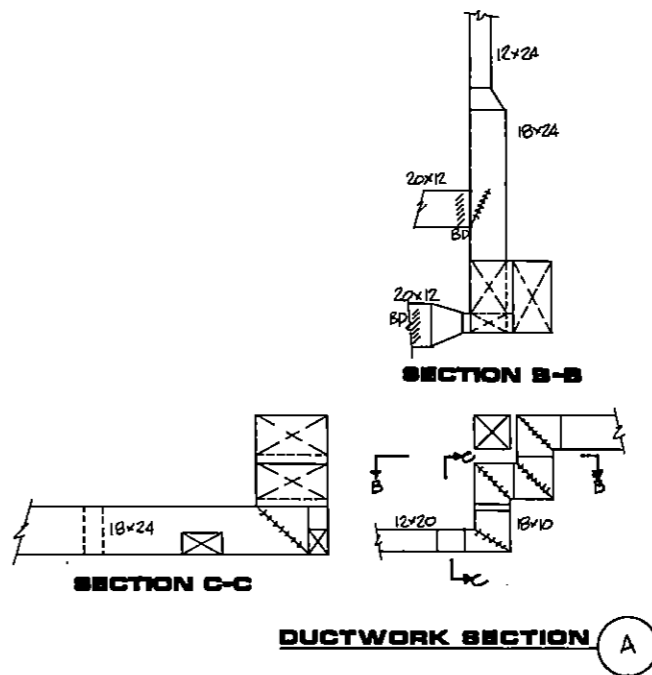
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	SQL	DB	SQL	DEC-WI-927-487.0

**M6**

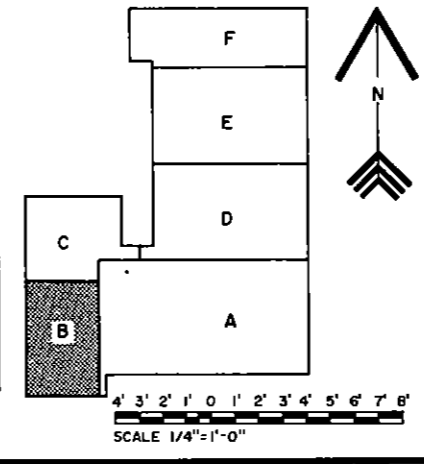




- LEGEND**
- MP MONITOR PANEL
  - H HUMIDISTAT
  - T THERMOSTAT
  - AD AUTOMATIC DAMPER
  - BD BALANCING DAMPER
  - BSC BIO SAFETY CABINET
  - DL DOOR LOWER
  - (A) THRU (DB) SUPPLY DIFFUSER OR RETURN GRILL SYMBOL
  - F.O.T. FLAT ON TOP
  - [Hatched Box] SUPPLY DUCTWORK LOCATED BETWEEN CEILING AND ROOF
  - [Cross-hatched Box] EXHAUST DUCTWORK LOCATED BETWEEN CEILING AND ROOF
  - [Dotted Box] DUCTWORK LOCATED IN PITCH (NO SHADING)



- NOTES**
1. ALL EXHAUST DUCTWORK TO BE ALUMINUM
  2. FOR COIL PIPING CONTINUATION SEE M-31



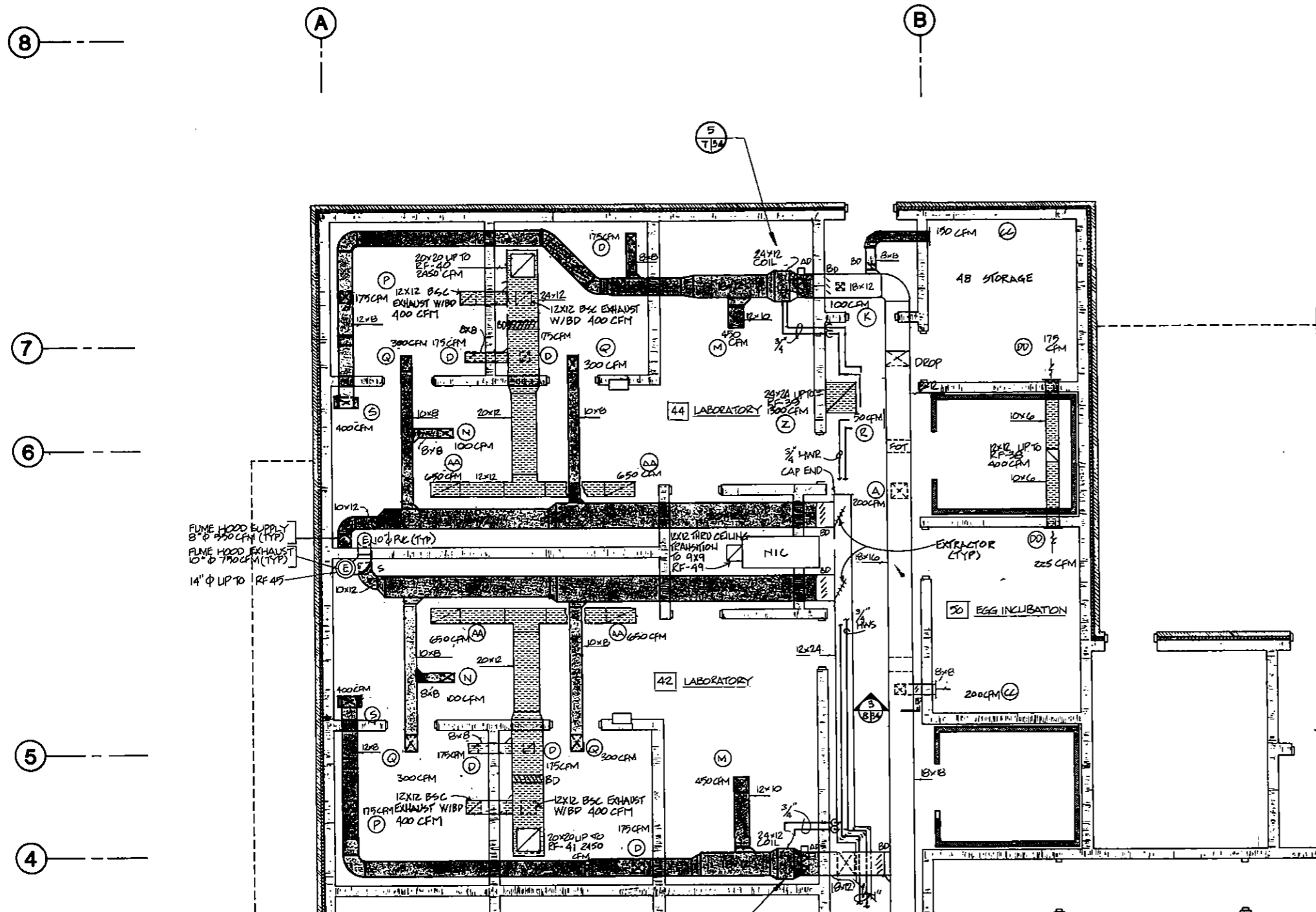
REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN**

**DUCTWORK PLAN B**

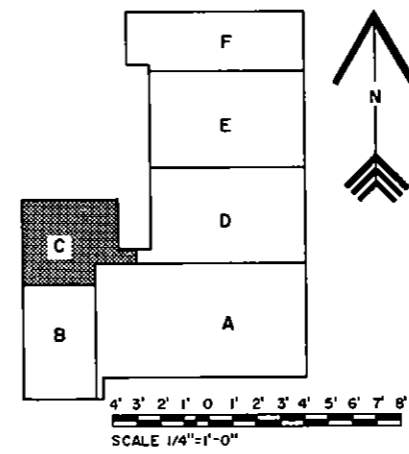
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	[Signature]	DB	[Signature]	DEC-WI-927-468.0





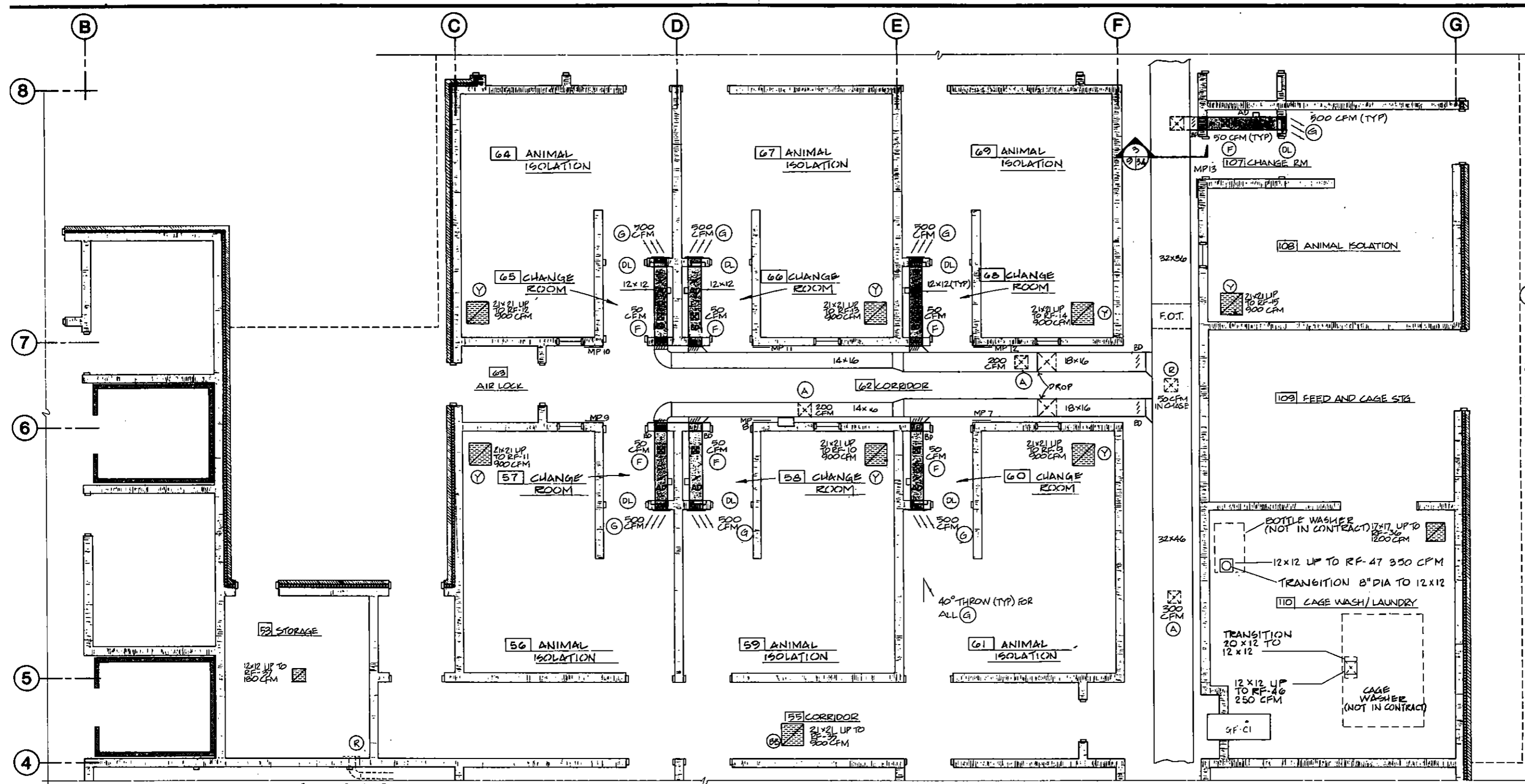
- LEGEND**
- MP MONITOR PANEL
  - [H] HUMIDISTAT
  - [T] THERMOSTAT
  - AD AUTOMATIC DAMPER
  - BSC BIO SAFETY CABINET
  - BD BALANCING DAMPER
  - DL DOOR LOUVER
  - (A) THRU (DD) SUPPLY DIFFUSER OR EXHAUST GRILL SYMBOL
  - F.O.T. FLAT ON TOP
  - [Solid Black] SUPPLY DUCTWORK LOCATED BETWEEN CEILING AND ROOF
  - [Hatched] EXHAUST DUCTWORK LOCATED BETWEEN CEILING AND ROOF
  - [White] DUCTWORK LOCATED IN PACE (NO SHADING)

**NOTE**  
ALL EXHAUST DUCTWORK TO BE ALUMINUM UNLESS OTHERWISE NOTED



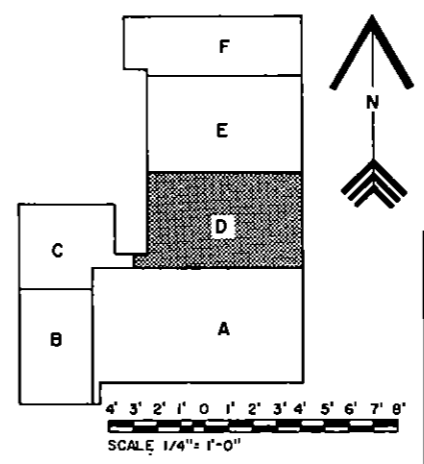
REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				
<b>DUCTWORK PLAN C</b>			<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY</b>	
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	SPH	DS	SPH	DEC-WI-927-469.0

**MN**



- LEGEND**
- BD BALANCING DAMPER
  - MP MONITOR PANEL
  - H HUMIDISTAT
  - T THERMOSTAT
  - AD AUTOMATIC DAMPER
  - RD REMOTE DAMPER (SEE M-12)
  - DL DOOR LOUVER
  - (A) THRU (DD) SUPPLY DIFFUSER OR RETURN GRILLE SYMBOL
  - F.O.T. FLAT ON TOP
  - [Hatched Box] SUPPLY DUCTWORK LOCATED BETWEEN CEILING AND ROOF
  - [Cross-hatched Box] EXHAUST DUCTWORK LOCATED BETWEEN CEILING AND ROOF
  - [Dotted Box] DUCTWORK LOCATED IN PIPECHASE (NO SHADING)

FOR CONTINUATION SEE M6



ALL EXHAUST DUCTWORK TO BE ALUMINUM  
 MAINTAIN NEGATIVE STATIC PRESSURE:  
 CORRIDOR - 0.5" H<sub>2</sub>O NEG  
 ANIMAL ROOMS - .10 H<sub>2</sub>O NEG

REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN**

**DUCTWORK PLAN D**

DATE 7/84 DESIGNED [Signature] DRAWN [Signature] CHECKED [Signature] DRAWING NO. DEC-WI-827-470.0

**6M**

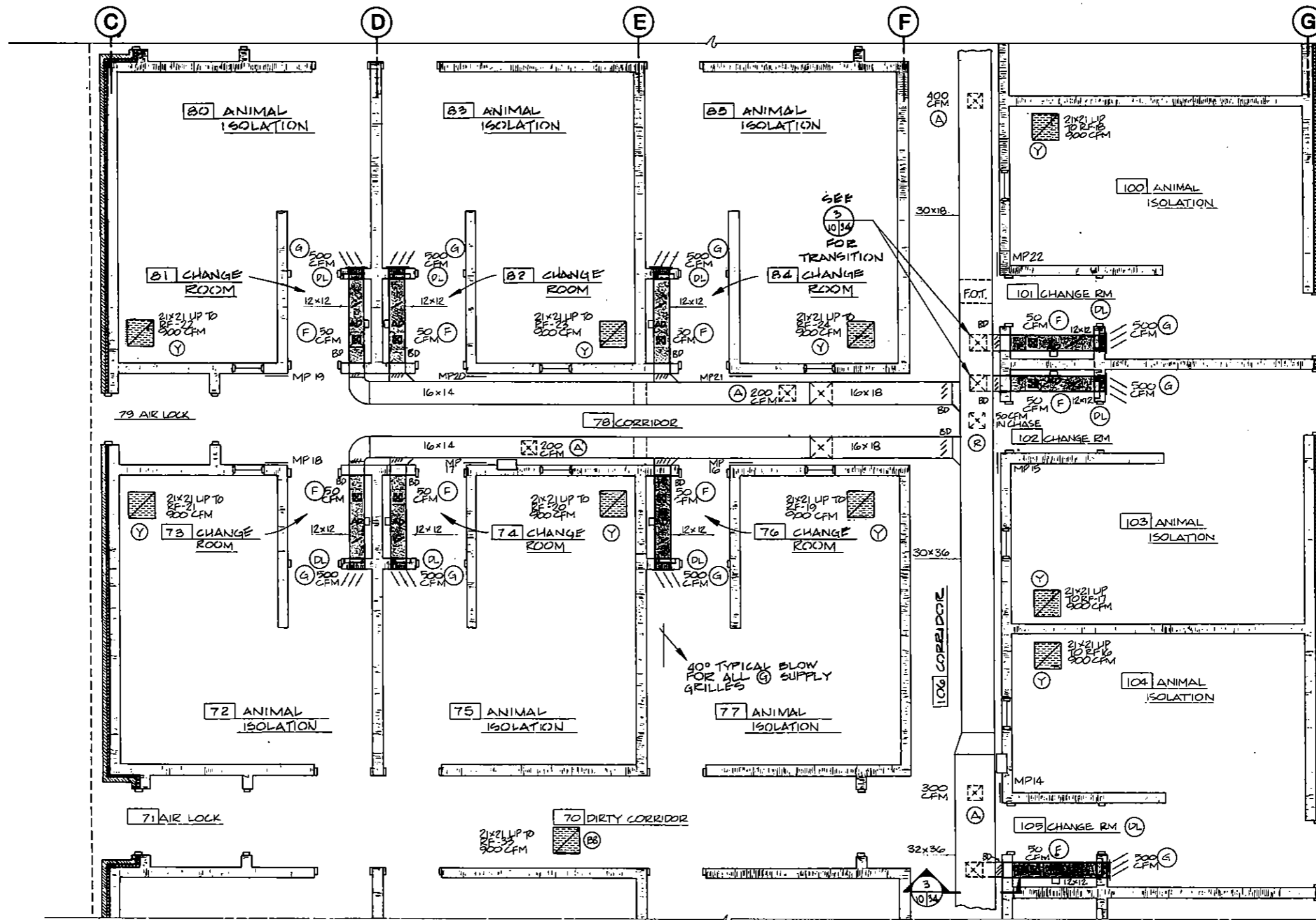
12

11

10

9

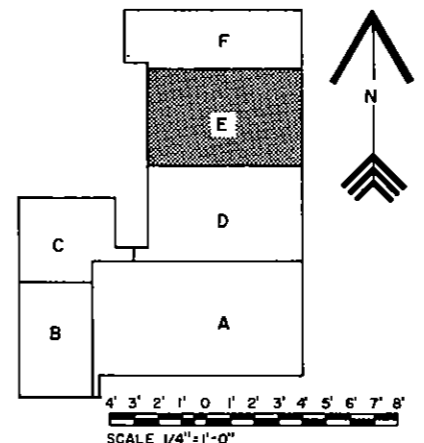
8



**LEGEND**

- BD BALANCING DAMPER
- MP MONITOR PANEL
- H HUMIDISTAT
- T THERMOSTAT
- AD AUTOMATIC DAMPER
- RD REMOTE DAMPER (SEE M-12)
- DL DOOR LOWER
- (A) THRU DD SUPPLY DIFFUSER OR RETURN GRILLE SYMBOL
- F.O.T. FLAT ON TOP
- [Hatched Box] SUPPLY DUCTWORK LOCATED BETWEEN CEILING AND ROOF
- [Cross-hatched Box] EXHAUST DUCTWORK LOCATED BETWEEN CEILING AND ROOF
- [Dotted Box] DUCTWORK LOCATED IN PLACER CHASE (NO SHADING)

40° TYPICAL BLOW FOR ALL (A) SUPPLY GRILLES



- NOTES**
- 1 ALL EXHAUST DUCTWORK TO BE ALUMINUM
  - 2 MAINTAIN NEGATIVE STATIC PRESSURE:  
CORRIDOR - 0.5" H<sub>2</sub>O NEG  
ANIMAL ROOMS - .10" H<sub>2</sub>O NEG

REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN**

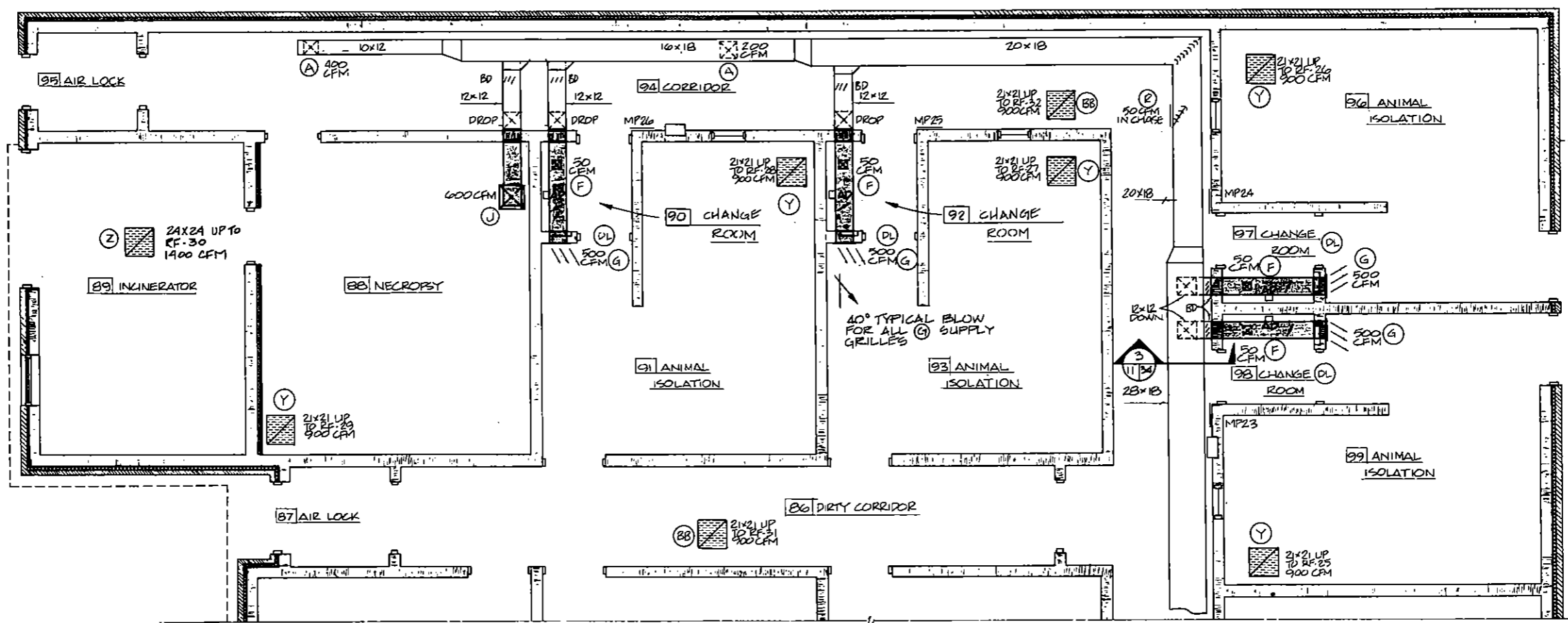
**DUCTWORK PLAN E**

DATE 7/84 DESIGNED SPH DRAWN DPB CHECKED SPH DRAWING NO. DEC-WI-827-471.6

**M10**

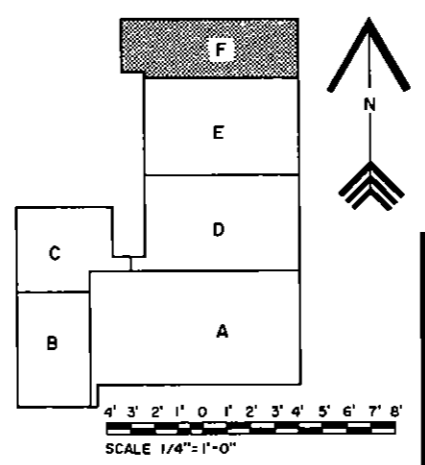
C D E F G

15  
14  
13  
12



**LEGEND**  
 BD BALANCE DAMPER  
 MP MONITOR PANEL  
 H HUMIDISTAT  
 T THERMOSTAT  
 AD AUTOMATIC DAMPER  
 RD REMOTE DAMPER (SEE M-12)  
 DL DOOR LOWER  
 A THRU DD SUPPLY DIFFUSER OR RETURN GRILLE SYMBOL  
 F.O.T. FLAT ON TOP

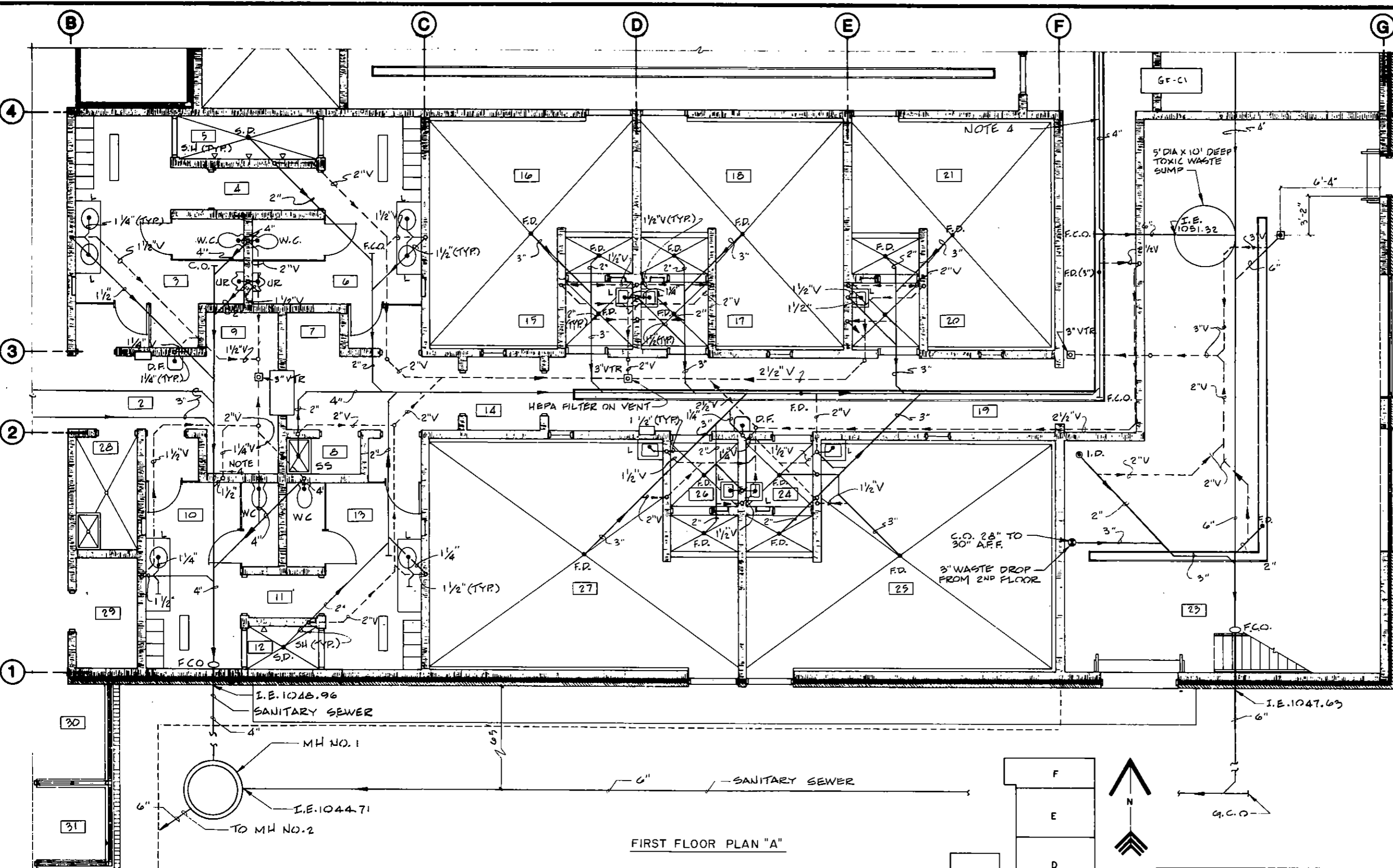
SUPPLY DUCTWORK LOCATED BETWEEN CEILING AND ROOF  
 EXHAUST DUCTWORK LOCATED BETWEEN CEILING AND ROOF  
 DUCTWORK LOCATED IN PIPECHASE (NO SHADING)



**NOTES**  
 ALL EXHAUST DUCTWORK TO BE ALUMINUM  
 MAINTAIN NEGATIVE STATIC PRESSURE:  
 CORRIDOR - 0.5" H<sub>2</sub>O NEG  
 ANIMAL ROOMS - .10" H<sub>2</sub>O NEG

REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING DUCTWORK PLAN F</b> MADISON, WISCONSIN DATE 7/84 DESIGNED [Signature] DRAWN DDB CHECKED [Signature] DRAWING NO. DEC-WI-927-472.6				

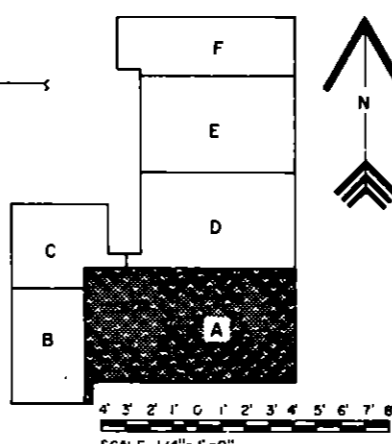
**M11**



- LEGEND:**
- AFF ABOVE FINISHED FLOOR
  - VTR VENT THRU ROOF
  - V VENT
  - I.D. INDIRECT DRAIN
  - W.C. WATER CLOSET
  - F.C.O. FLOOR CLEAN OUT
  - L LAVATORY
  - F.D. FLOOR DRAIN
  - S.S. SERVICE SINK
  - D.F. DRINKING FOUNTAIN
  - G.C.O. GRADE CLEAN OUT
  - S.H. SHOWER HEAD
  - C.O. CLEAN OUT
  - WASTE LINE
  - WASTE DROP
  - VENT RISER
  - VENT PIPE

- NOTES:**
1. FLOOR DRAIN SIZE SAME AS CONNECTING WASTE LINE.
  2. PROVIDE ACCESS PLATES AND BOXES FOR FLOOR CLEANOUT AND ROUGH IN DRAINS (S.S. & I.D.)
  3. SEE M30 FOR INDIRECT DRAIN ON SECOND FLOOR MECHANICAL ROOM.
  4. 1 1/2" DRAIN IN WALL (+12')
  5. INSTALL WYE, PLUG MAIN LINE AND GRADE CLEAN OUT TO BRANCH.
  6. SLEEVE FOUNDATION (TYR) ALL PENETRATIONS.

FIRST FLOOR PLAN "A"



REVISION	STATUS	DATE	DESCRIPTION	BY

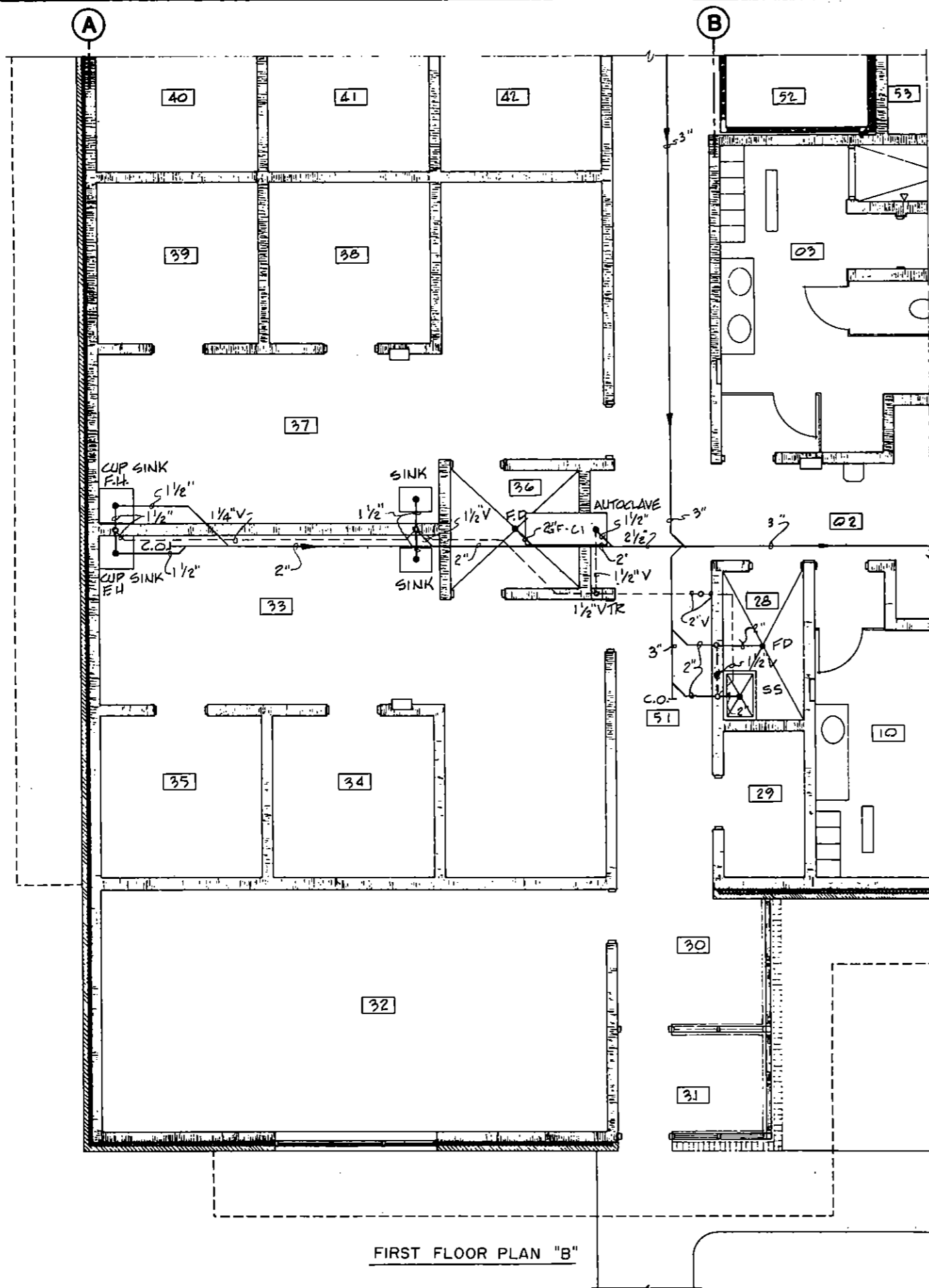
**MADISON NATIONAL WILDLIFE HEALTH LABORATORY  
ANIMAL ISOLATION BUILDING  
MADISON, WISCONSIN**

**FIRST FLOOR BUILDING WASTE AND VENT PLAN "A"**

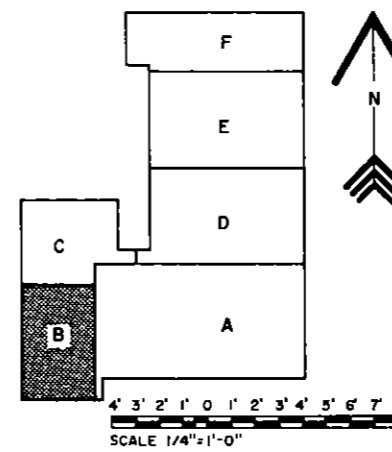
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	D.J.	G.B.	J.F.	DEC-WI-927-473.0

**M12**

④  
③  
②  
①



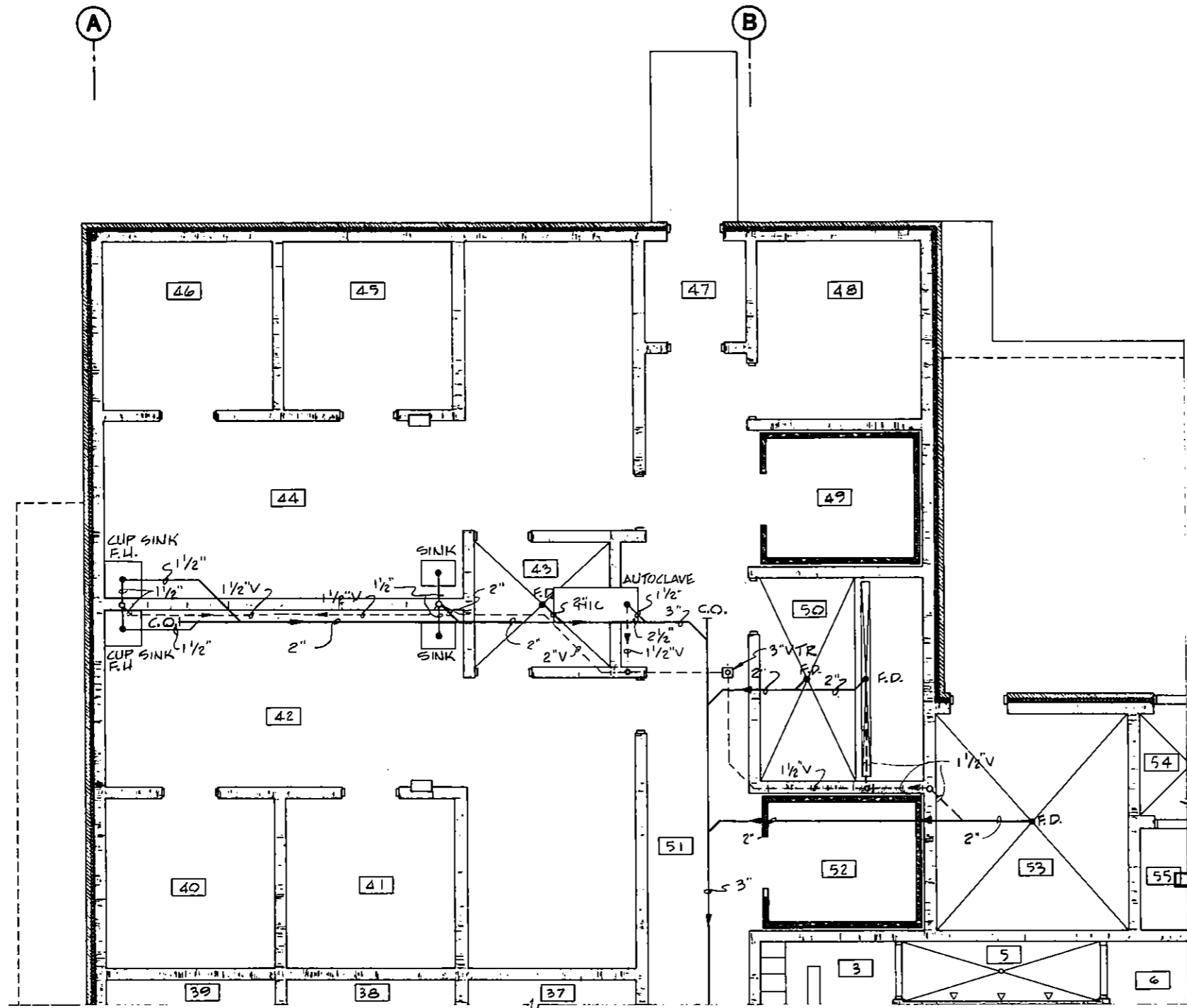
FIRST FLOOR PLAN "B"



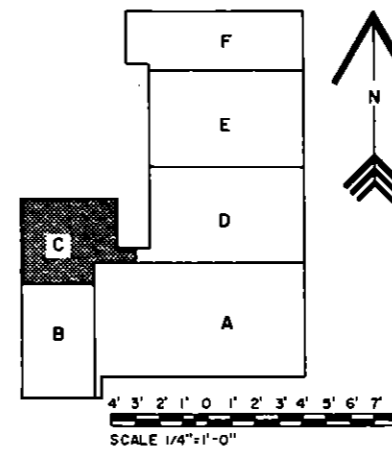
REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	DJ	GB	JF	DEC-WI-927-474.0

**M13**

8  
7  
6  
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4



FIRST FLOOR PLAN "C"



SCALE 1/4" = 1'-0"

REVISION	STATUS	DATE	DESCRIPTION	BY

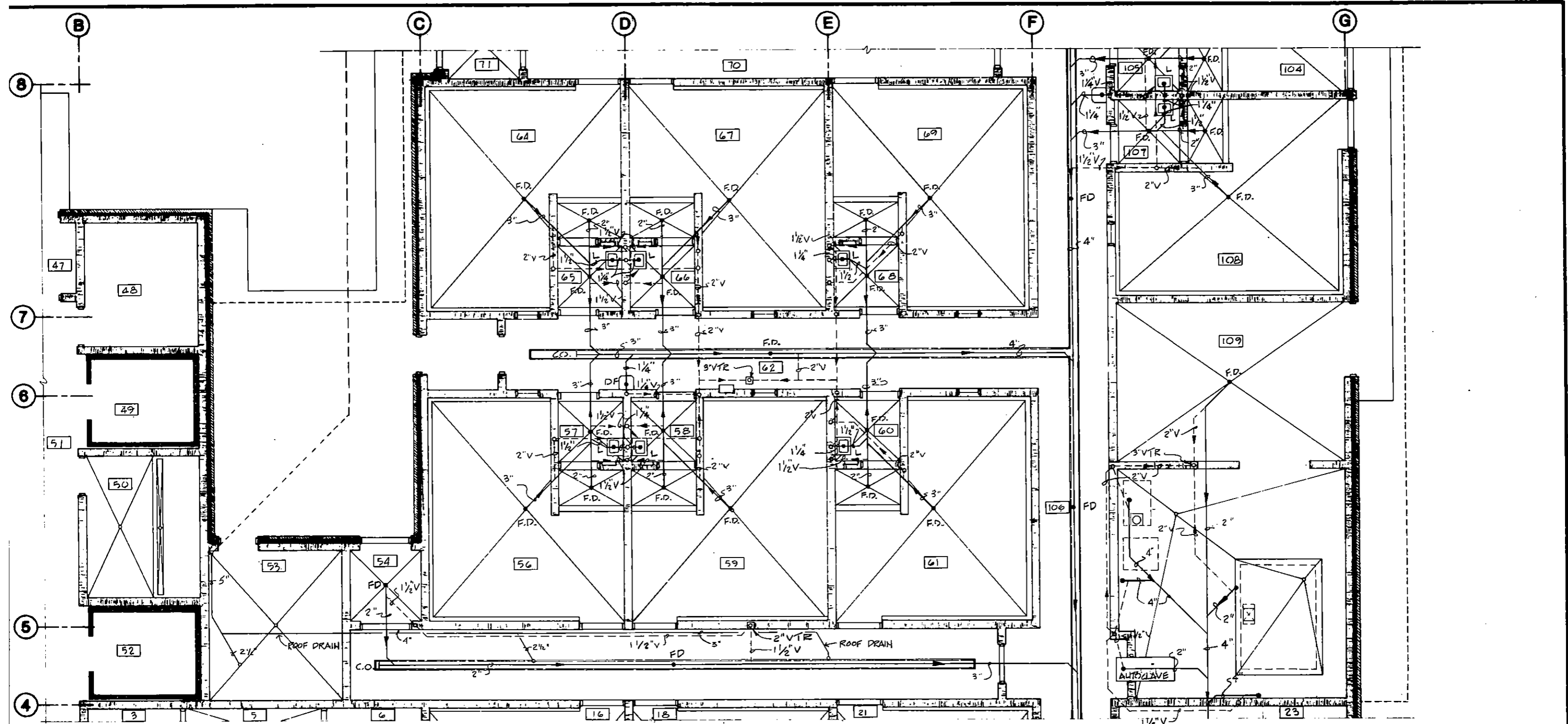
**MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN**

**FIRST FLOOR BUILDING WASTE AND VENT PLAN "C"**

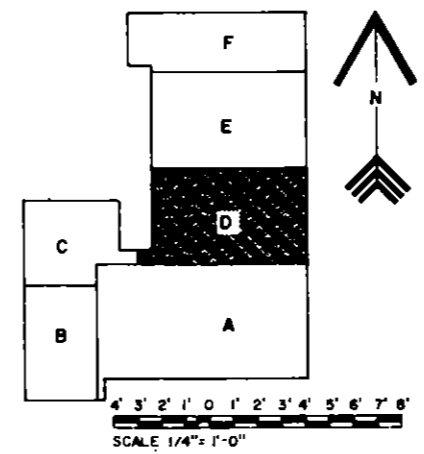
DATE 7/84 DESIGNED DJ DRAWN GFB CHECKED JF DRAWING NO. DEC-WI-927-475.0

M14





FIRST FLOOR PLAN "D"



4' 3' 2' 1' 0' 1' 2' 3' 4' 5' 6' 7' 8'  
SCALE 1/4" = 1'-0"

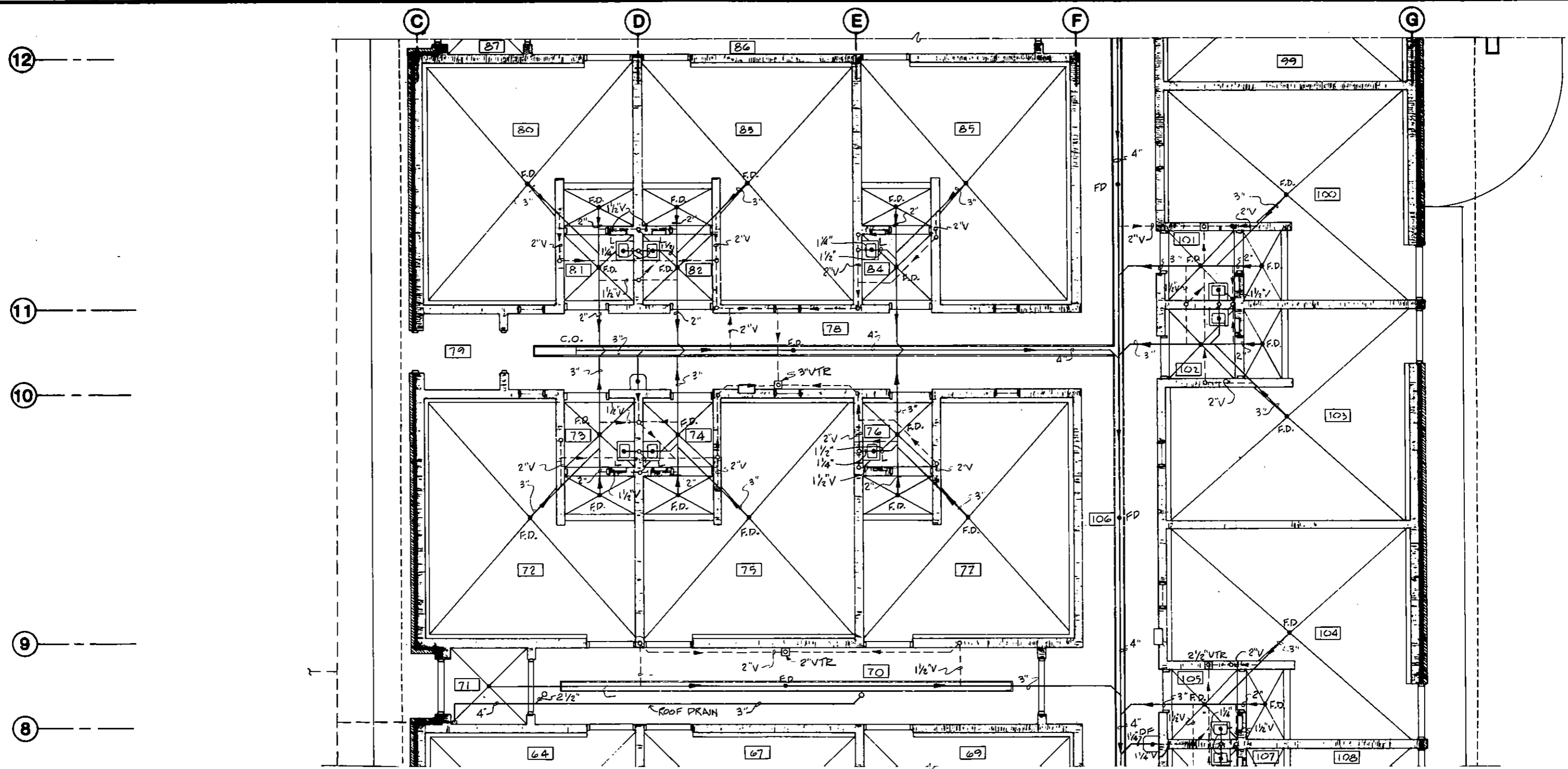
REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY**  
**ANIMAL ISOLATION BUILDING**  
**MADISON, WISCONSIN**

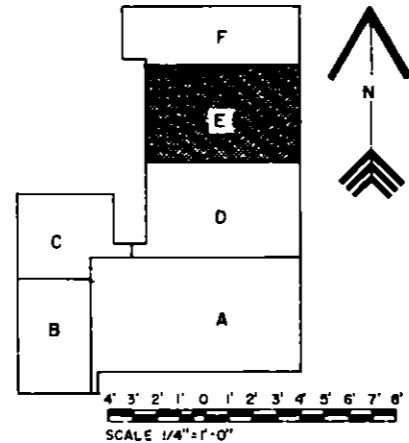
**FIRST FLOOR BUILDING WASTE AND VENT PLAN "D"**

DATE: 7/84    DESIGNED: DJ    DRAWN: GPB    CHECKED: JF    DRAWING NO.: DEC-WI-227-476.0

**M15**



FIRST FLOOR PLAN "E"



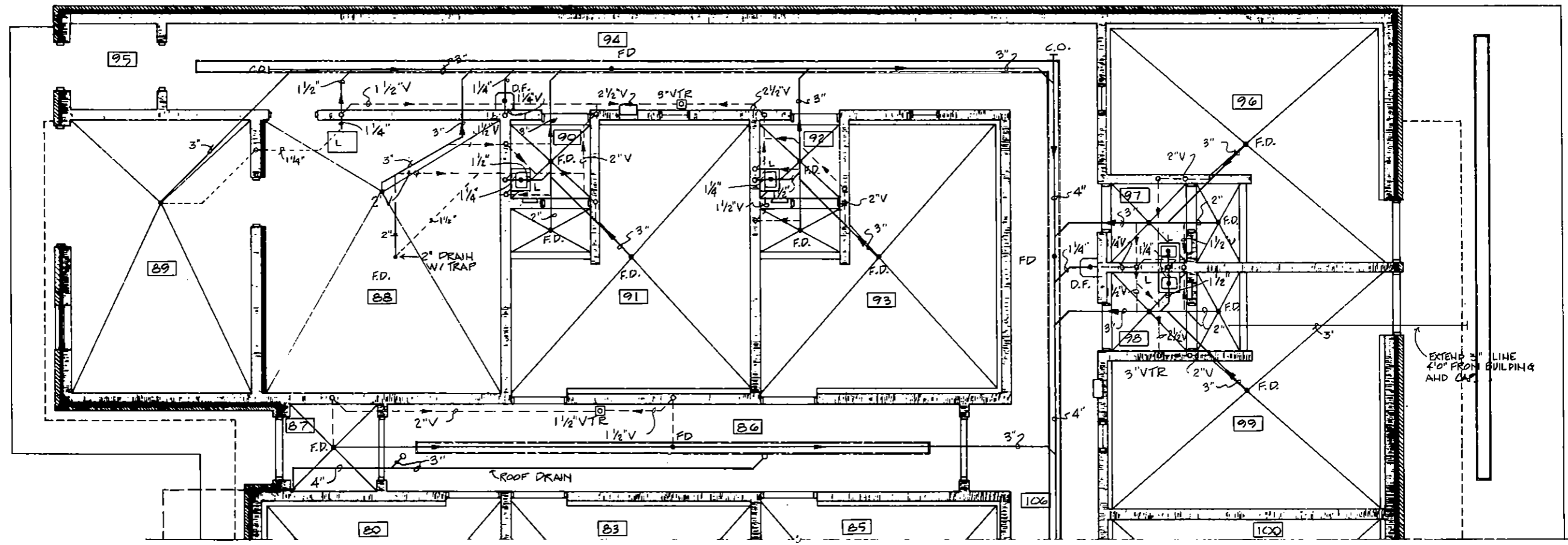
REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN**  
**FIRST FLOOR BUILDING WASTE AND VENT PLAN "E"**  
 DATE: 7/84    DESIGNED: DJ    DRAWN: GP    CHECKED: JF    DRAWING NO.: DEC-WL-227-477.0

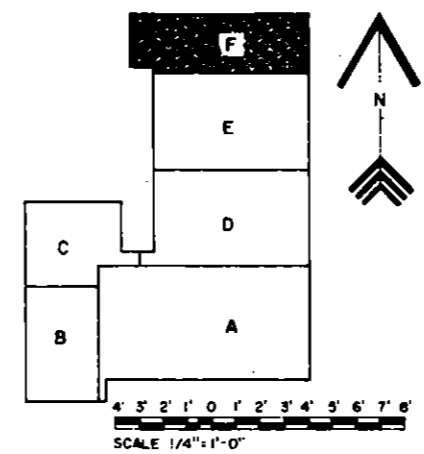
**M16**

C D E F G

15  
14  
13  
12



FIRST FLOOR PLAN "F"



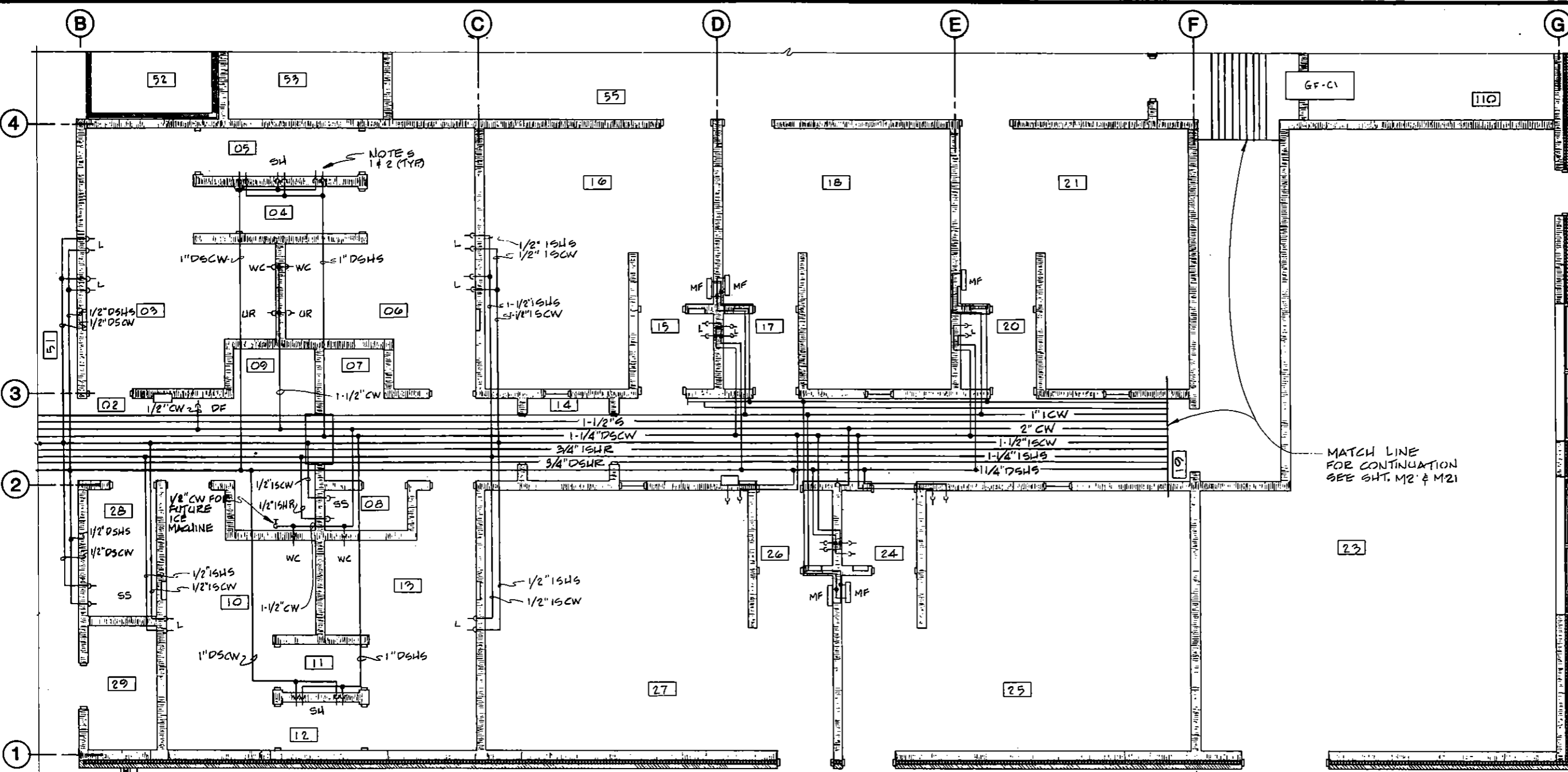
REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY  
ANIMAL ISOLATION BUILDING  
MADISON, WISCONSIN**

**FIRST FLOOR BUILDING WASTE AND VENT PLAN "F"**

DATE: 7/84    DESIGNED: DJ/gib    DRAWN: gib    CHECKED: JF    DRAWING NO: DEC-W-887-478.0

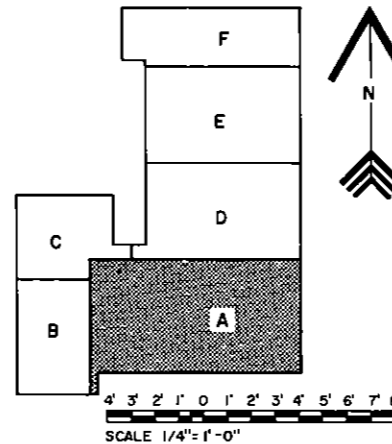
**M17**



- LEGEND**
- WC WATER CLOSET
  - SS SERVICE SINK
  - DF DRINKING FOUNTAIN
  - L LABORATORY
  - UR URINAL
  - SH SHOWER
  - HB HOSE BIB
  - BFP BACK FLOW PREVENTER
- 
- S STEAM
  - CW COLD WATER (POTABLE)
  - ISCW INDUSTRIAL SOFT COLD WATER (NON-POTABLE)
  - ISHS INDUSTRIAL SOFT HOT SUPPLY (NON-POTABLE)
  - ISHR INDUSTRIAL SOFT RETURN (NON-POTABLE)
  - DSCW DOMESTIC SOFT COLD WATER (POTABLE)
  - DSHS DOMESTIC SOFT HOT SUPPLY (POTABLE)
  - DSHR DOMESTIC SOFT RETURN (POTABLE)

- NOTES:**
1. INSTALL SOLENOID VALVE IN THE TEMPERED WATER SUPPLY TO THE SHOWER HEAD.
  2. SHOWER DOOR SWITCH ENERGIZES SOLENOID VALVE TO ALLOW FLOW TO SHOWER HEAD.
  3. CONNECT DSHS TO DSHR AND ISHS TO ISHR AT 2 PLACES W/3/4" CROSSOVERS.
  4. STOP ISHR WITHIN PIPE SPACE FOR THE ANIMAL ROOMS.

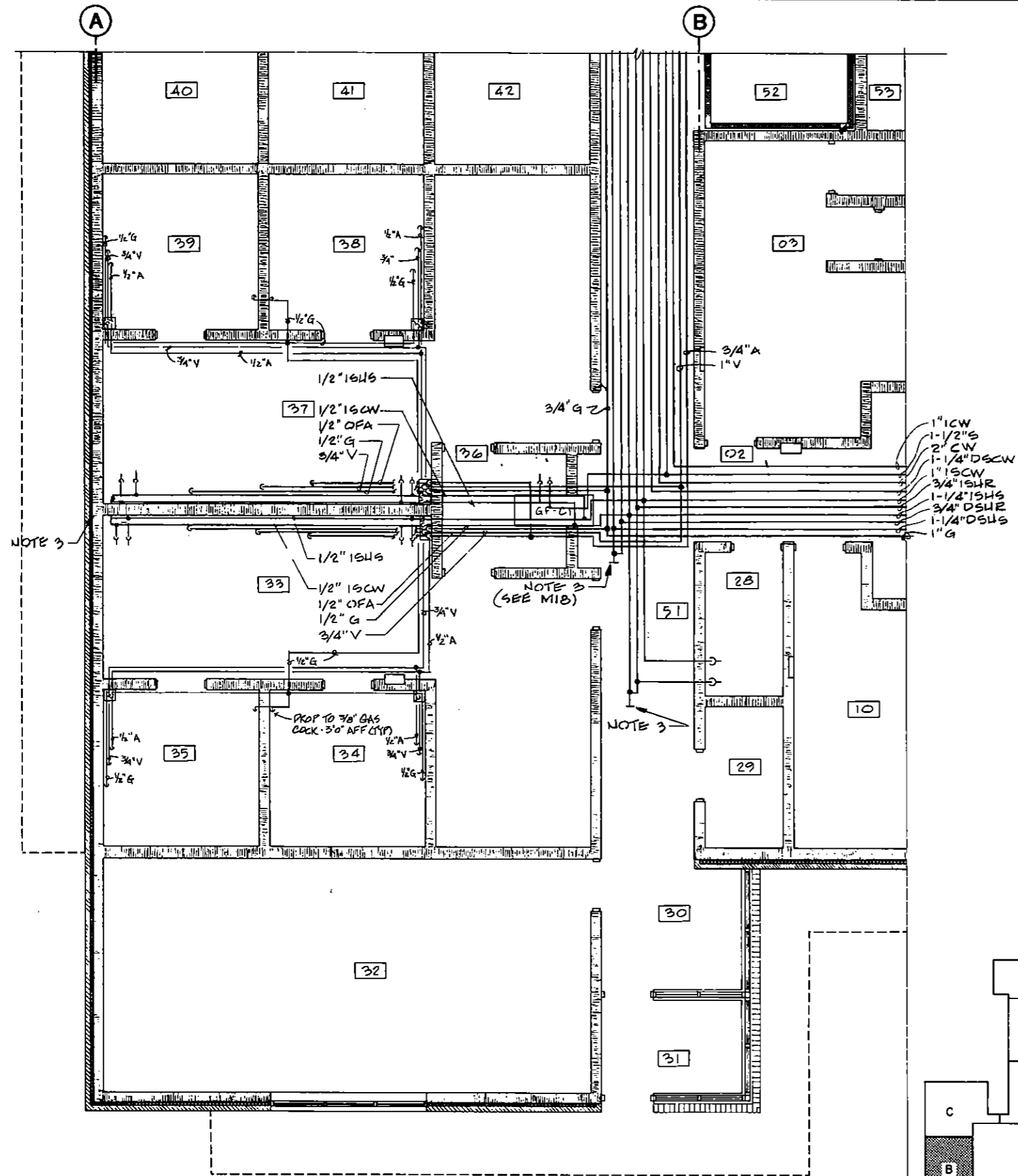
FIRST FLOOR PLAN "A"



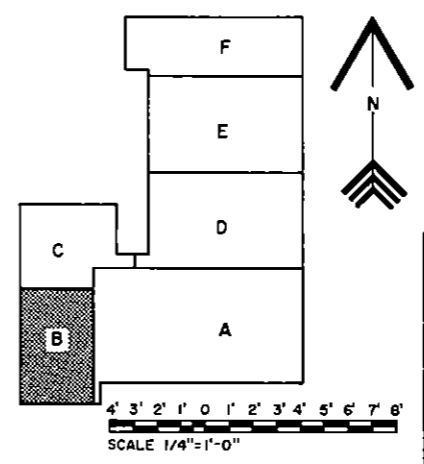
REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY</b> <b>ANIMAL ISOLATION BUILDING</b> <b>MADISON, WISCONSIN</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	GB	GB	JF	DEC-WI-827-479.6

**M18**

4  
3  
2  
1



FIRST FLOOR PLAN "B"

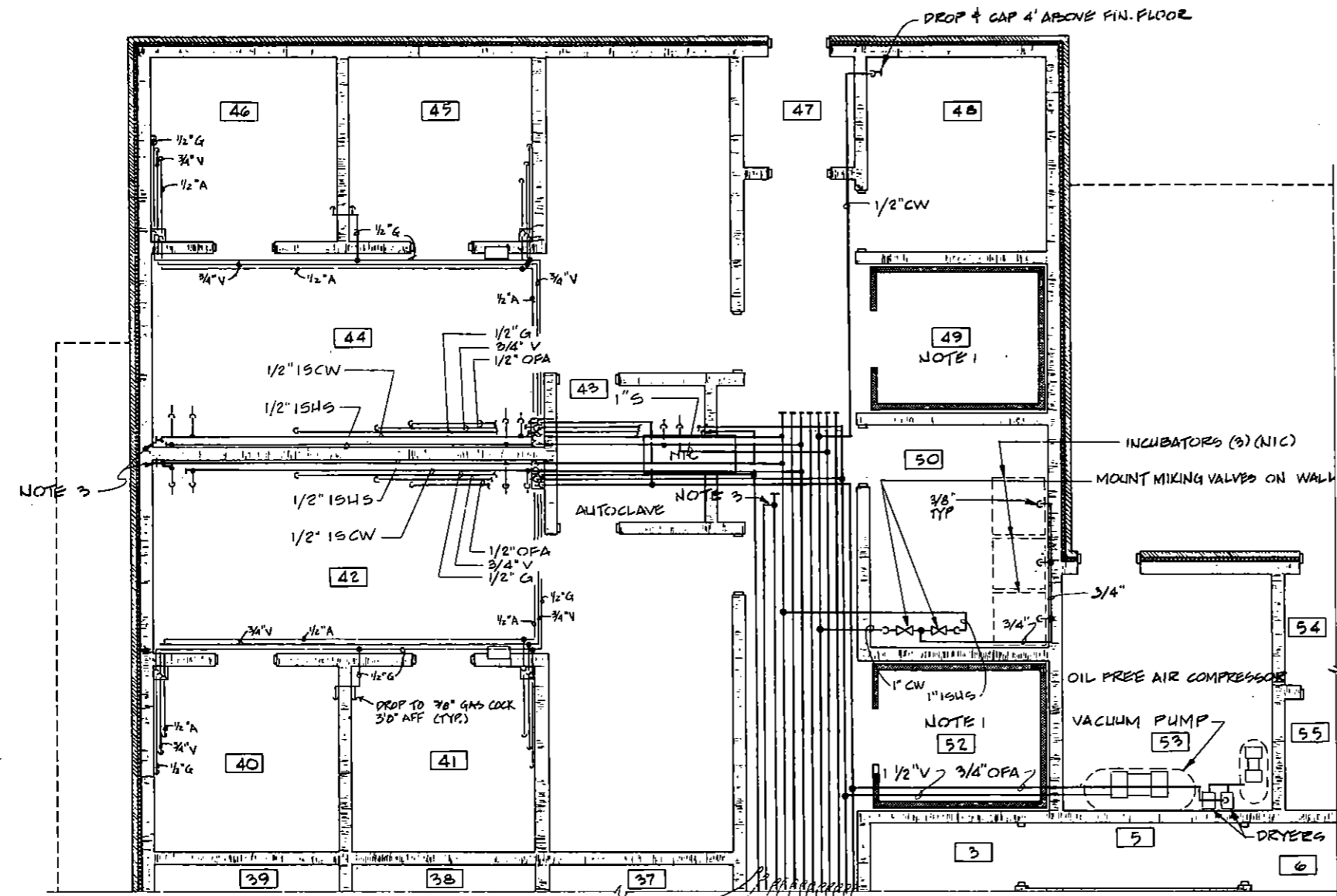


REVISION	STATUS	DATE	DESCRIPTION	BY
MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN				
FIRST FLOOR BUILDING WATER AND STEAM PLAN "B"				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	GP	GB	JF	DEC-WI-027-480.3

M19

8  
A  
B

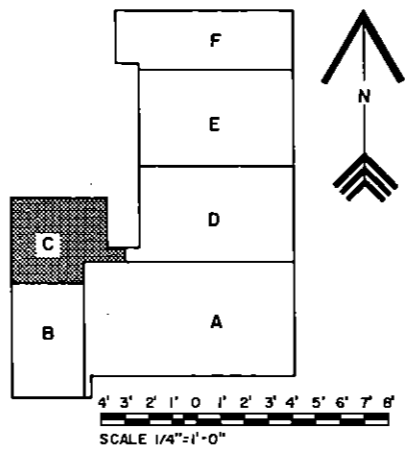
7  
6  
5  
4



NOTES:  
1. ROOMS 49 AND 52 ARE ENVIRONMENTAL CHAMBERS (NIC).

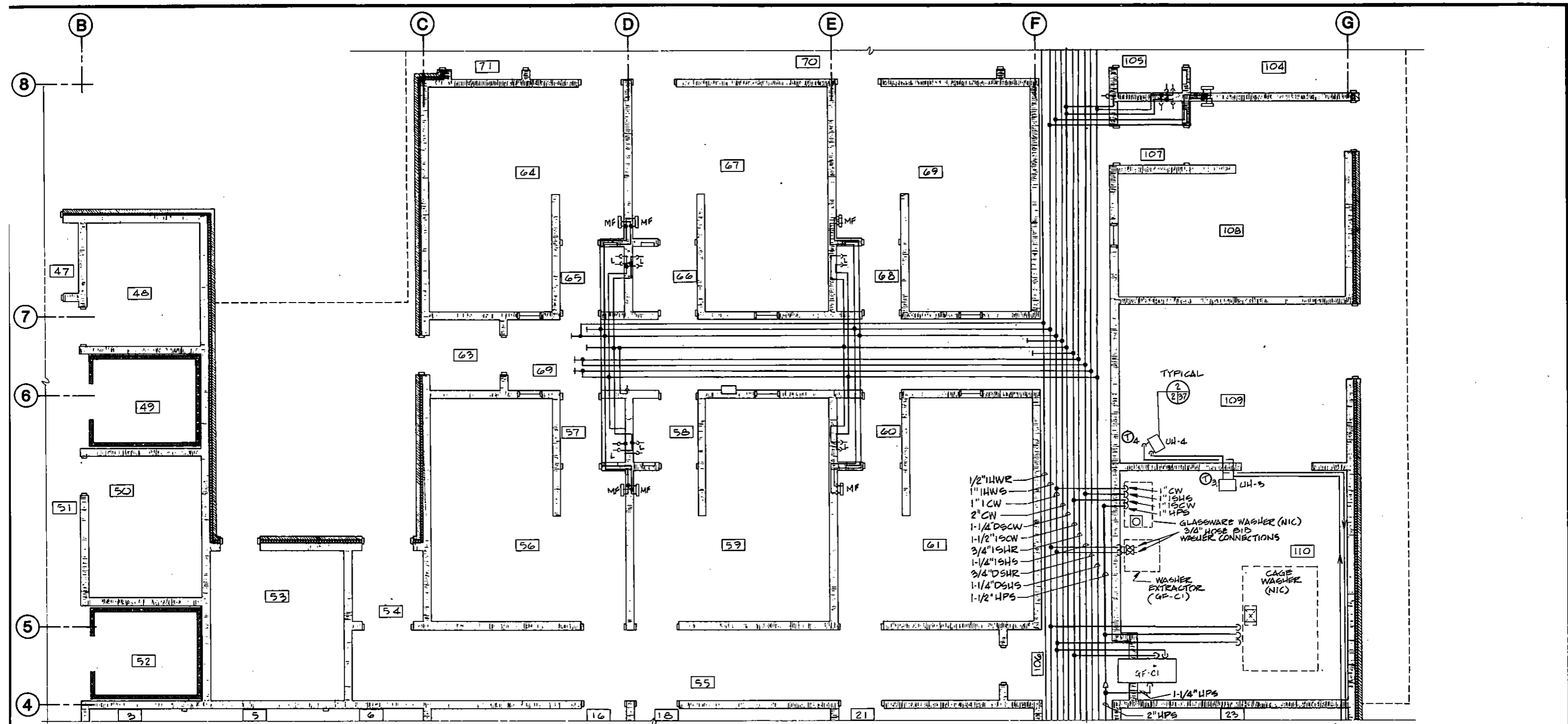
- 3/4" G
- 1-1/4" DSHS
- 3/4" DSHR
- 1-1/4" ISHS
- 3/4" ISHR
- 1" ISCW
- 1-1/4" DSCW
- 2" CW
- 1-1/2" HPS
- 1" ICW
- 1" V
- 3/4" OPA

FIRST FLOOR PLAN "C"

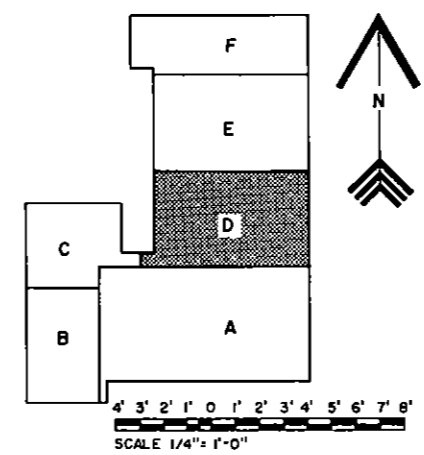


REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY</b> <b>ANIMAL ISOLATION BUILDING</b> <b>MADISON, WISCONSIN</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	GB	GB	JF	DEC-WI-927-481.0

**M20**



FIRST FLOOR PLAN "D"



FOR CONTINUATION OF UNIT HEATER PIPING SEE M20

REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY  
ANIMAL ISOLATION BUILDING  
MADISON, WISCONSIN**

**FIRST FLOOR BUILDING WATER AND STEAM PLAN "D"**

DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	GP	GD	JF	DEC-WI-927-482.0

**M21**

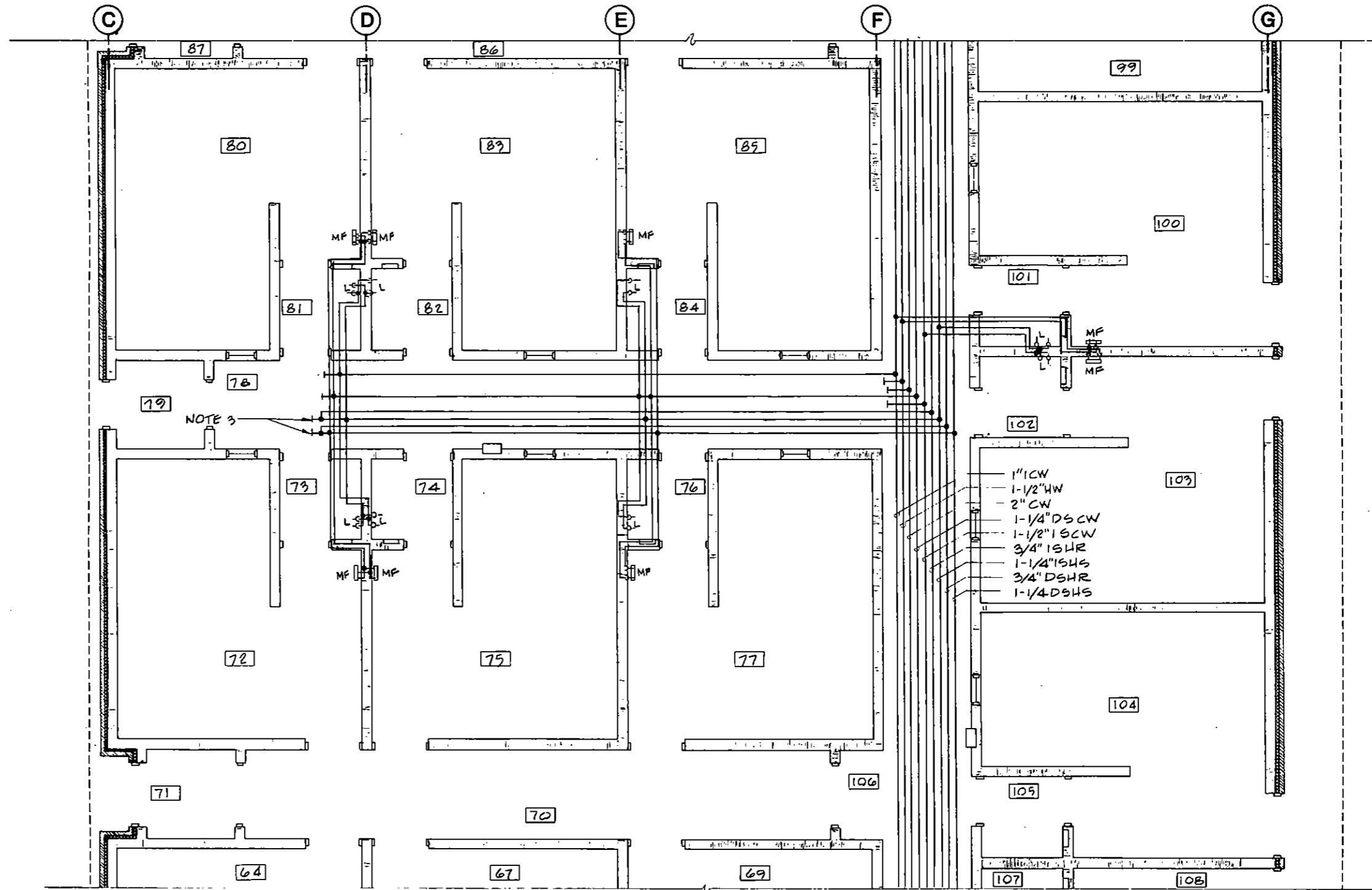
12

11

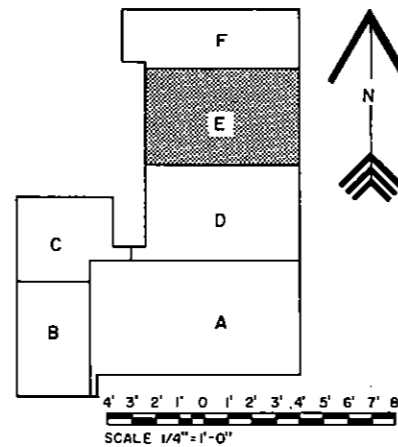
10

9

8



FIRST FLOOR PLAN "E"



REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY  
ANIMAL ISOLATION BUILDING  
MADISON, WISCONSIN**

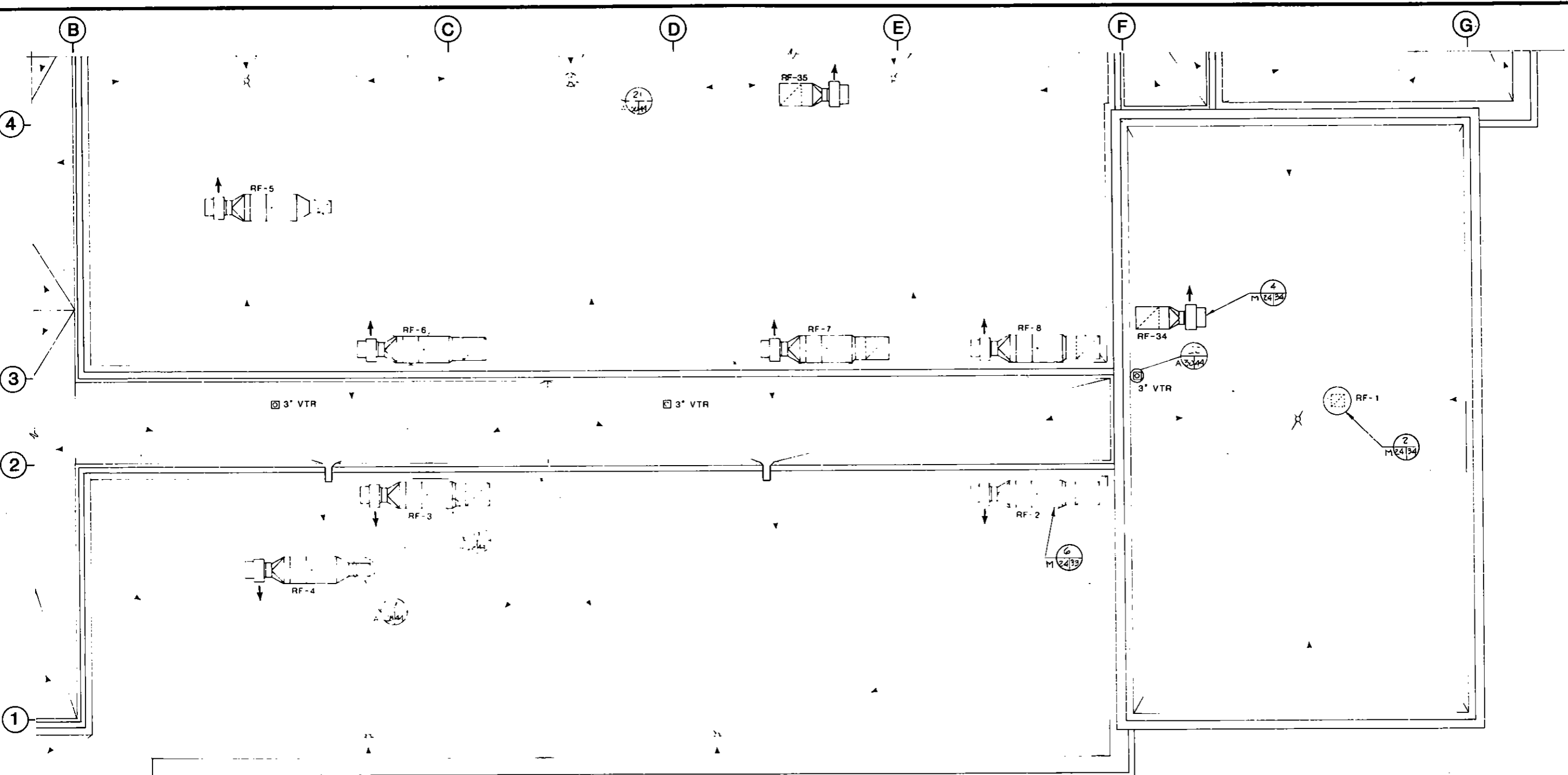
**FIRST FLOOR BUILDING WATER AND STEAM PLAN "E"**

DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	GB	GB	JF	DEC-WI-927-483.0

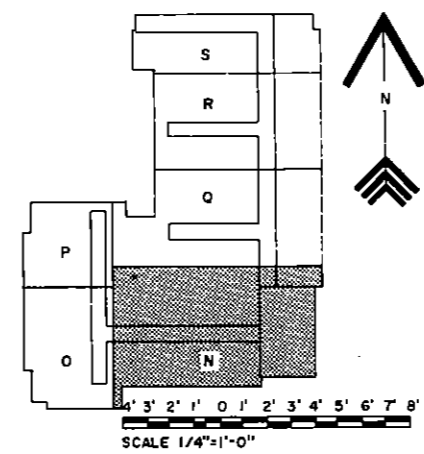
M22





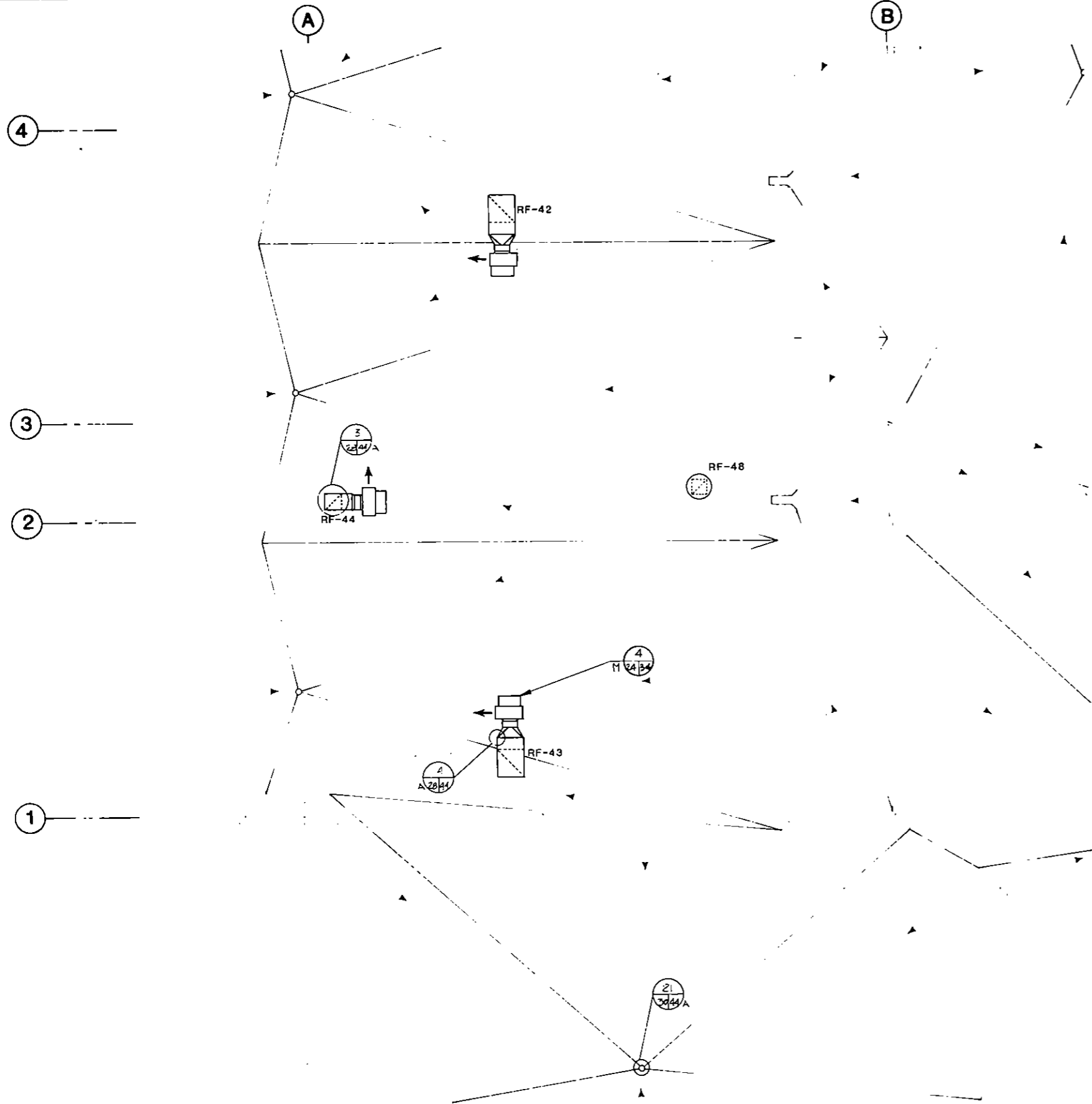


ROOF FAN PLAN "N"

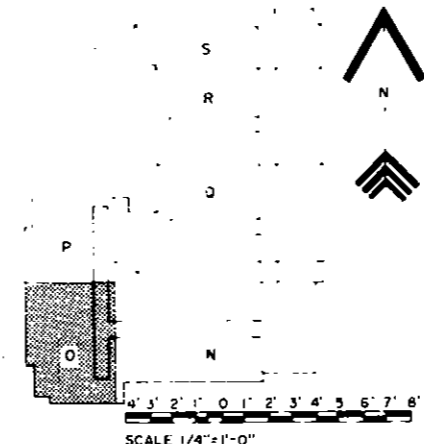


REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				<b>ROOF FAN PLAN "N"</b>
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO
7/84	SL	GD	SN	DEC-WI-927-485.0

**M24**



**ROOF FAN PLAN "O"**

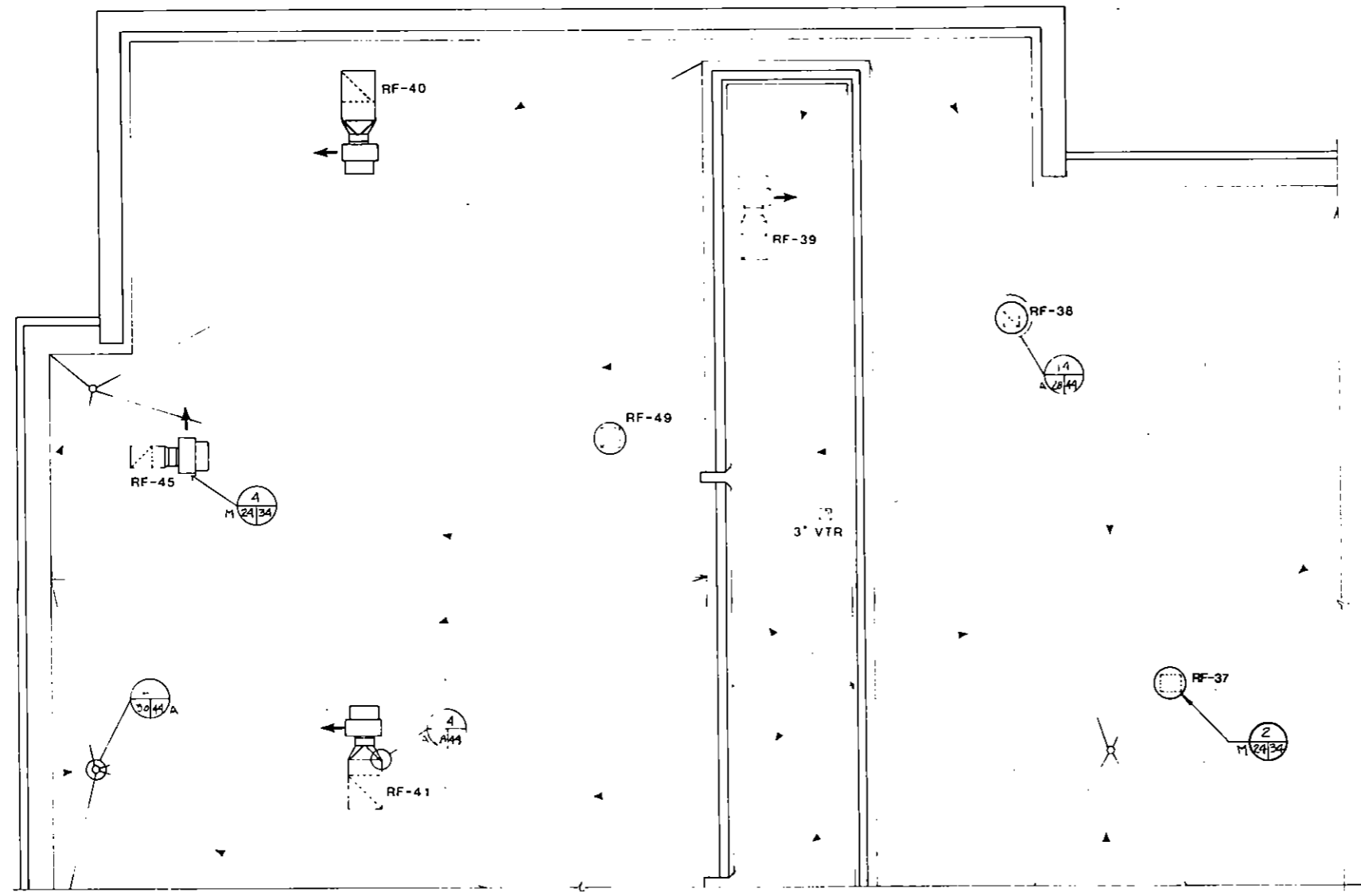


REVISION	STATUS	DATE	DESCRIPTION	B-
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				<b>ROOF FAN PLAN "O"</b>
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	SM	GP	SM	DEC-WI-927-486.0

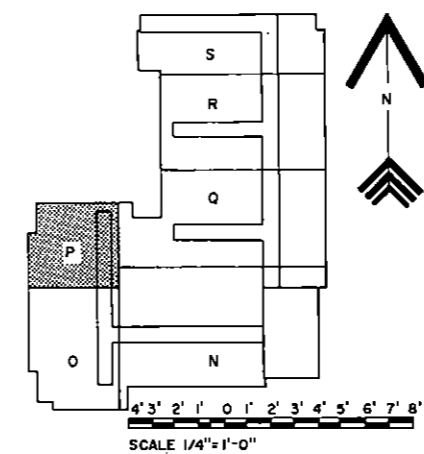
**M25**

8  
7  
6  
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A B

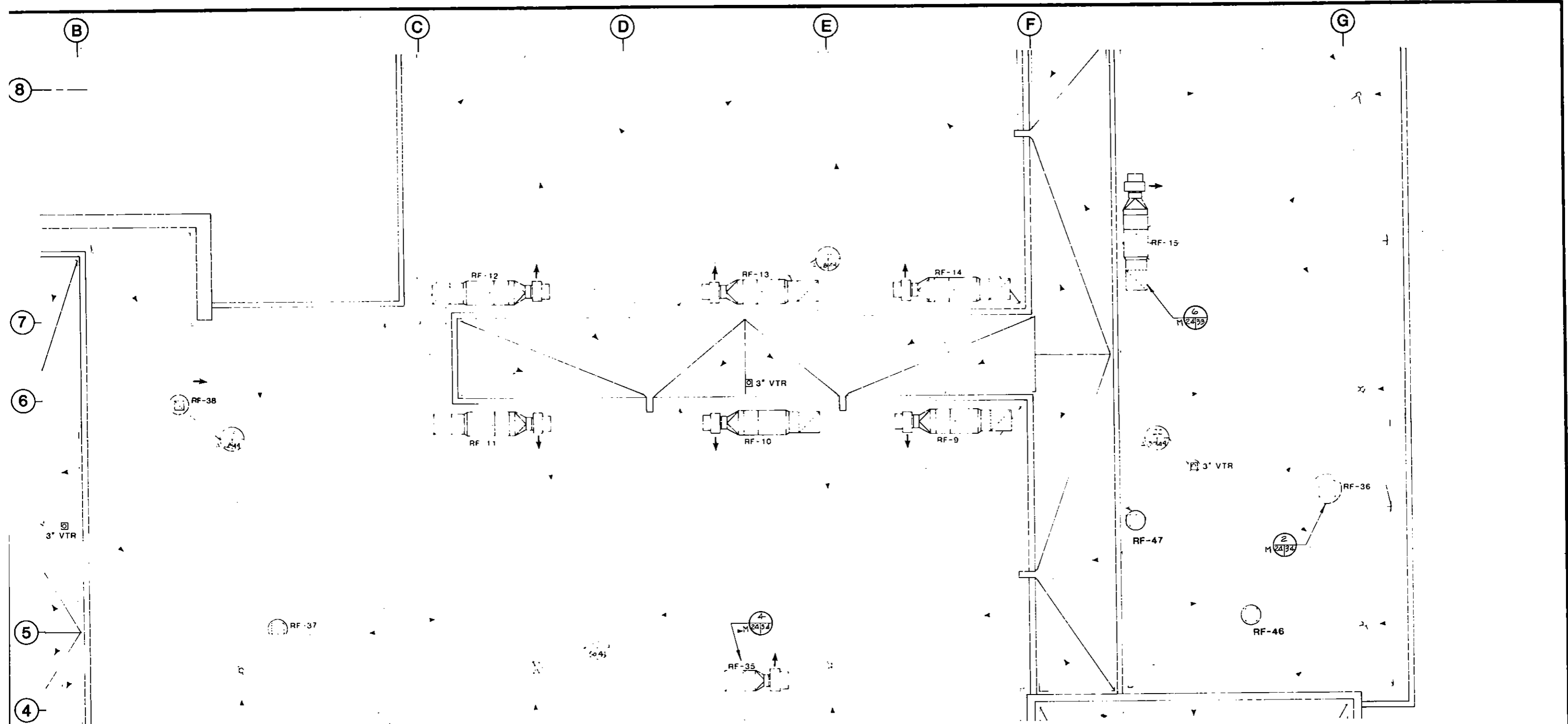


ROOF FAN PLAN "P"

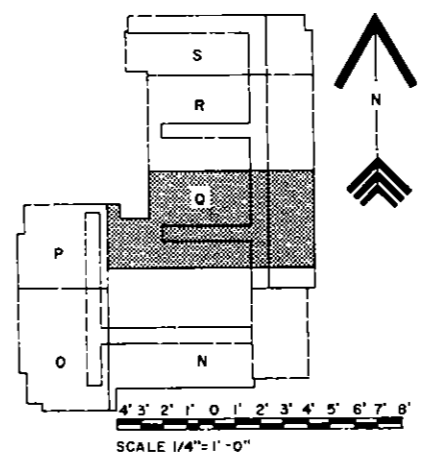


REVISION	STATUS	DATE	DESCRIPTION	BY
MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN				ROOF FAN PLAN "P"
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	304	GP	SA	DEC-WI-927-487.0

**M26**



ROOF FAN PLAN "Q"



SCALE 1/4"=1'-0"

REVISION	STATUS	DATE	DESCRIPTION	BY

MADISON NATIONAL WILDLIFE  
HEALTH LABORATORY  
ANIMAL ISOLATION BUILDING  
MADISON, WISCONSIN

ROOF FAN PLAN "Q"

DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84				DEC-WI-927-488.0

M27

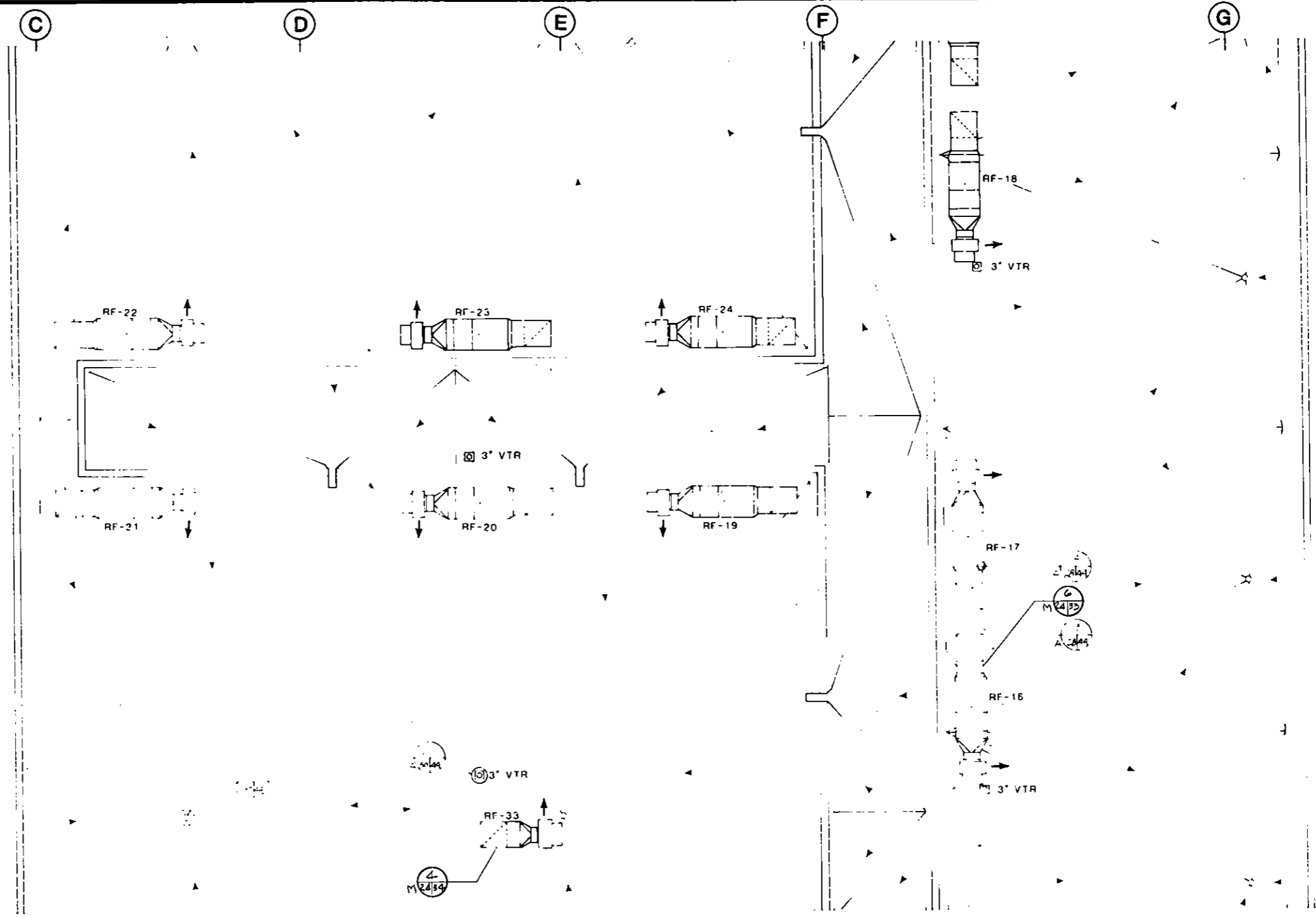
12

11

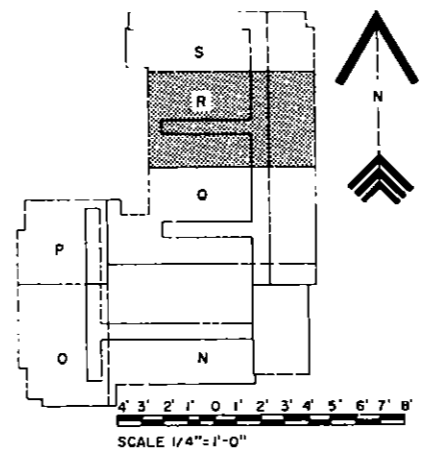
10

9

8



ROOF FAN PLAN "R"

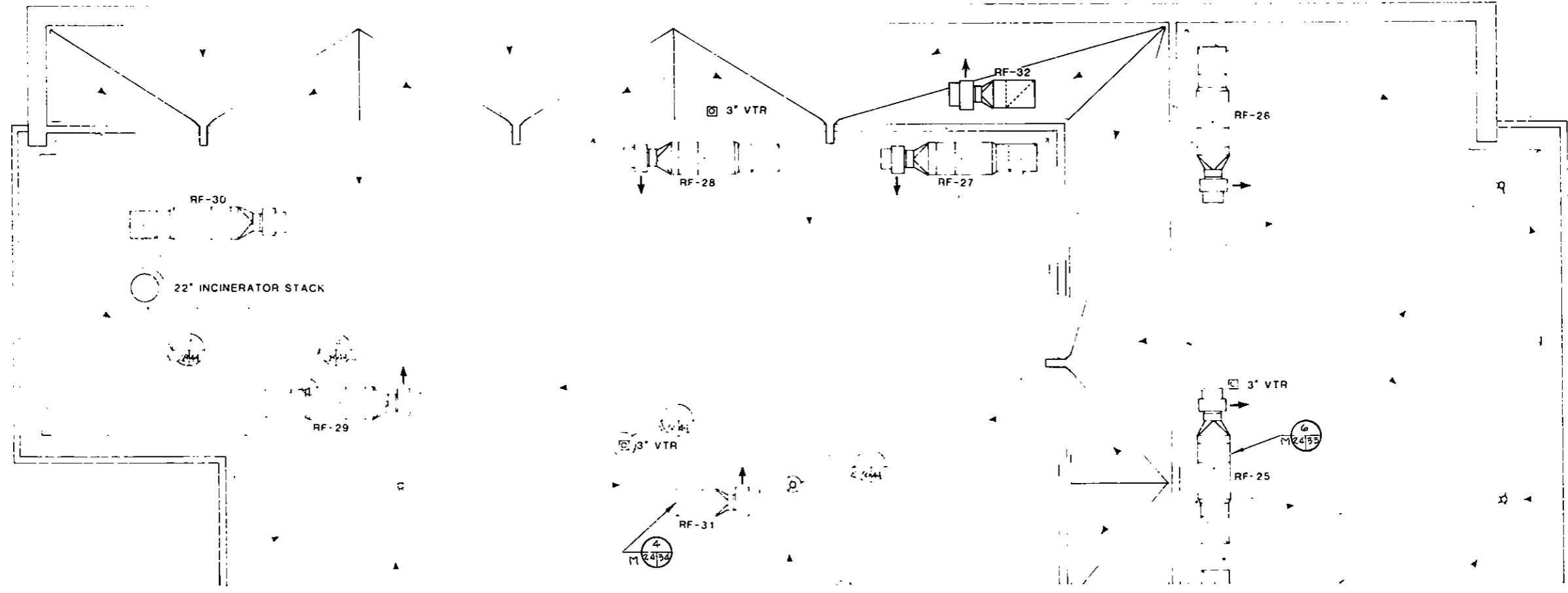


REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				<b>ROOF FAN PLAN "R"</b>
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO
7/84	SK	GP	SD	DEC-WI-927-489.0

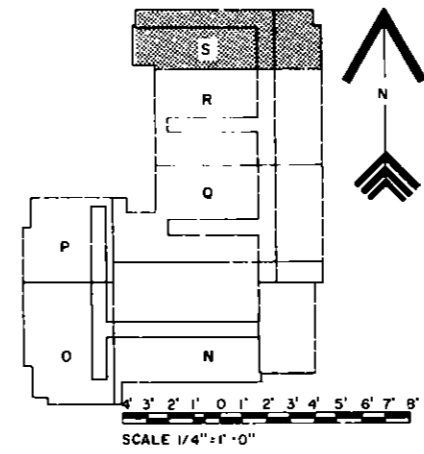
M28

C D E F G

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14  
13  
12

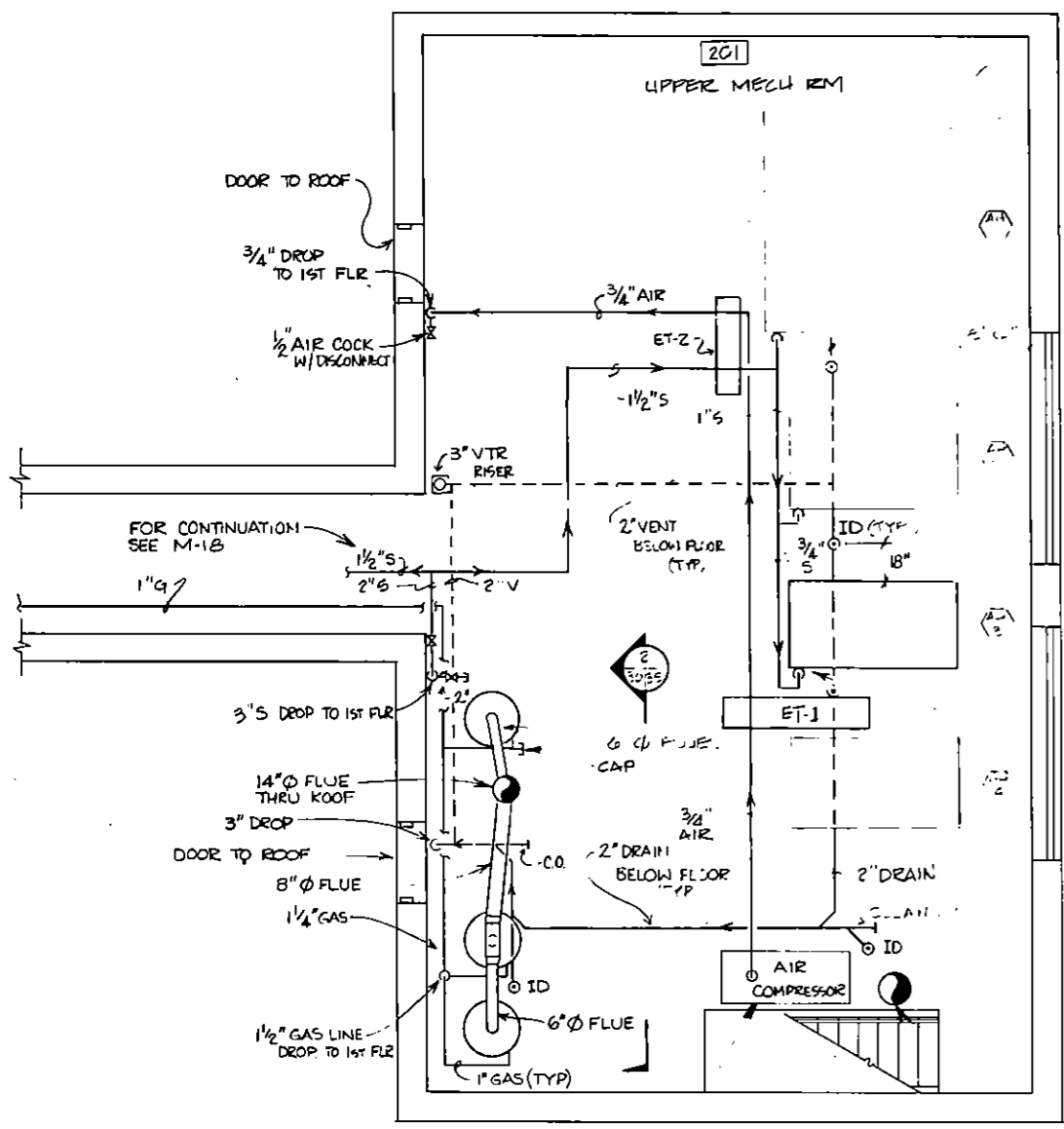


**ROOF FAN PLAN "S"**



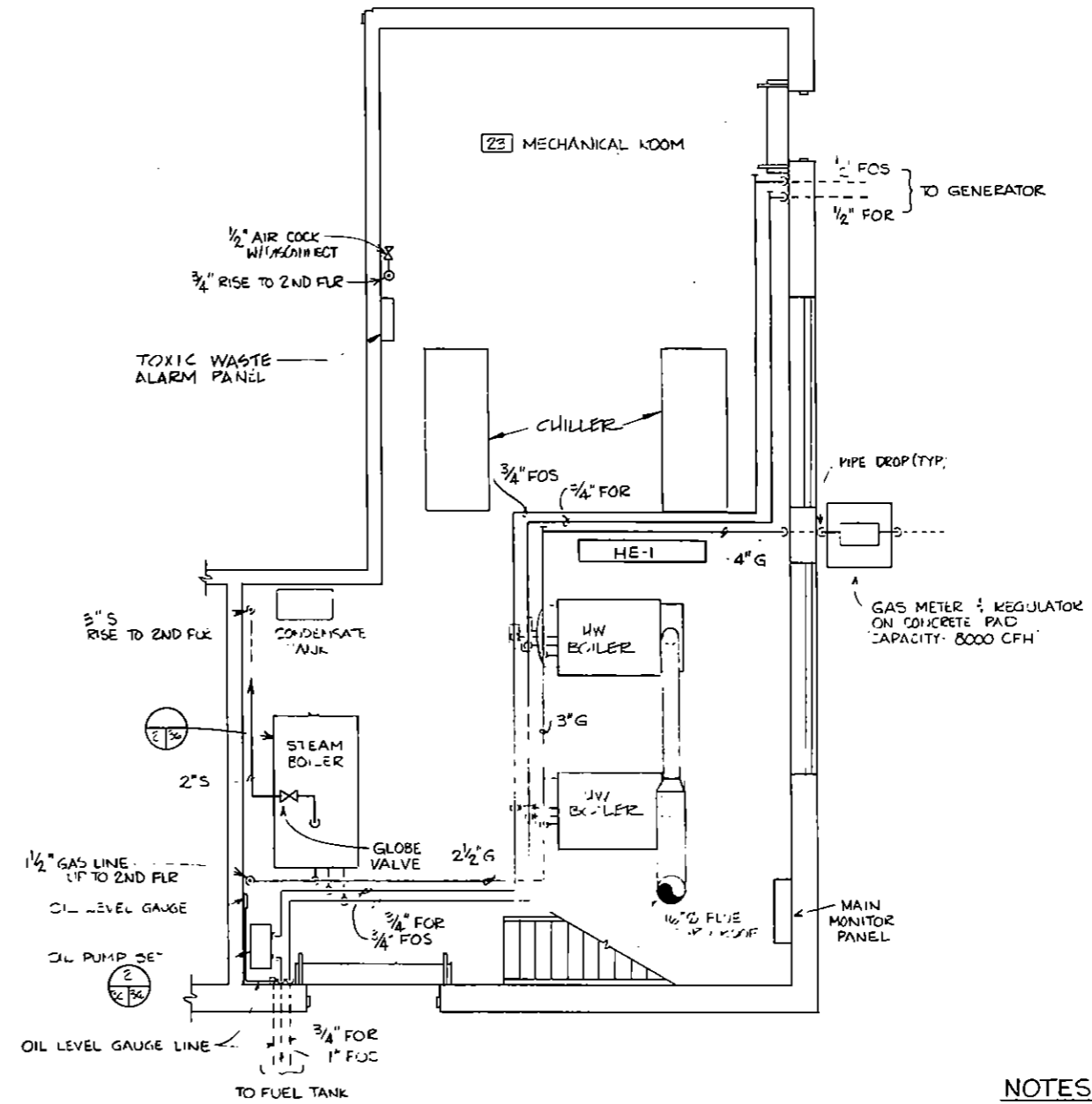
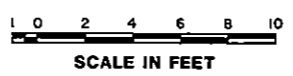
REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO
7/84	SA	GS	SA	DEC-WI-927-490.0

**M29**



**SECOND FLOOR PLAN**  
1/4" = 1'-0"

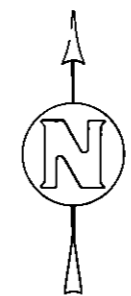
TO CHILLER (S)  
TO FUEL TANK (S)



**FIRST FLOOR PLAN**  
1/4" = 1'-0"

- LEGEND**
- S STEAM
  - CR CONDENSATE RETURN
  - G GAS
  - FOS FUEL OIL SUPPLY
  - FOR FUEL OIL RETURN
  - UH UNIT HEATER

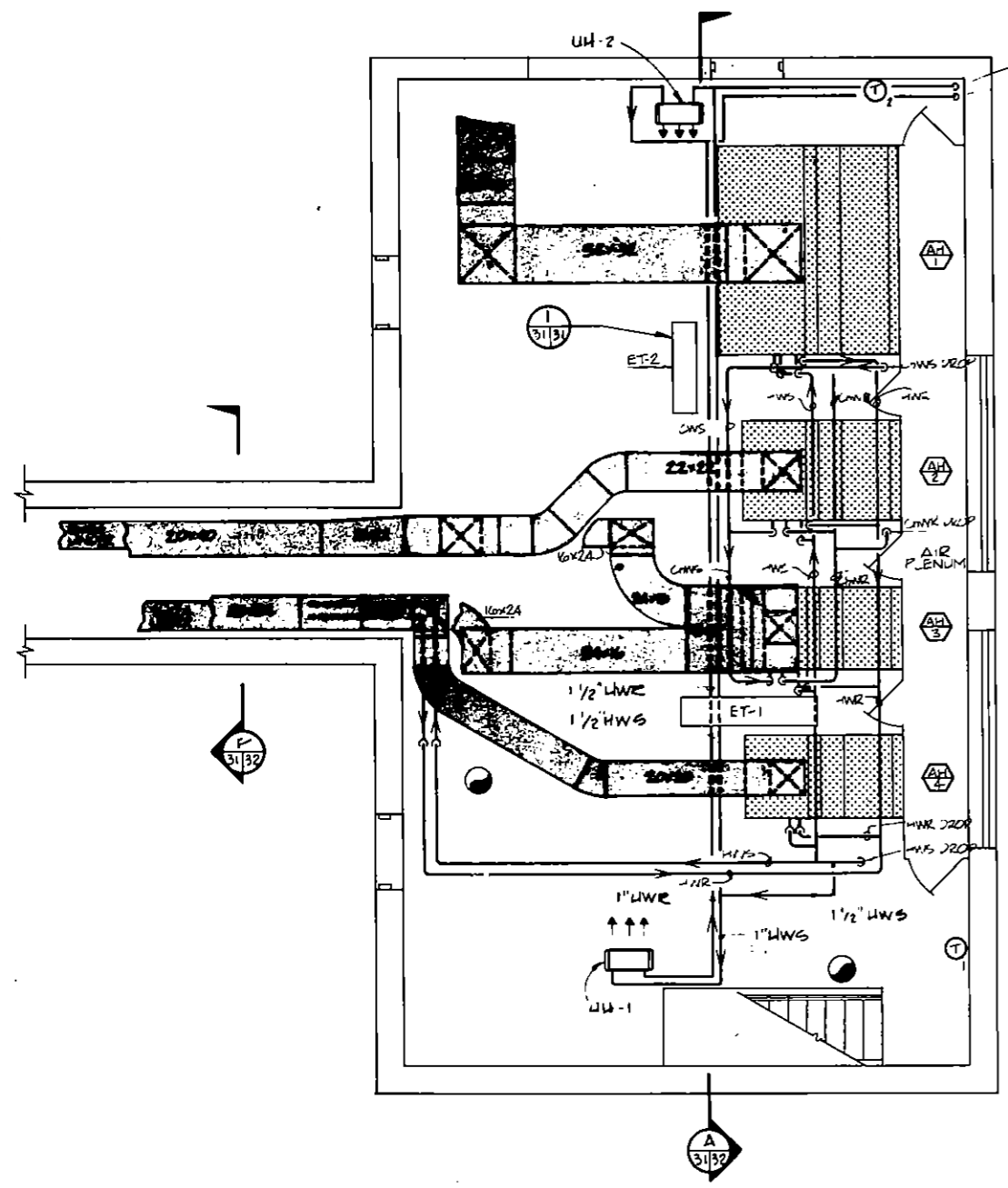
- NOTES:**
1. T INDICATES A FULL SIZE CAPPED TEE.
  2. ALL PIPING MAINS AT OVERHEAD, UNLESS INDICATED OTHERWISE.
  3. ID- INDIRECT DRAIN - SEE M-3 & M-5 FOR CONTINUATION.



REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				
<b>EQUIPMENT GAS, OIL, STEAM, DRAIN AND AIR PIPING PLAN</b>			DRAWING NO. <b>DEC-WI-927-491.0</b>	
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WG/SAL	SK/KR	SN/AF	DEC-WI-927-491.0

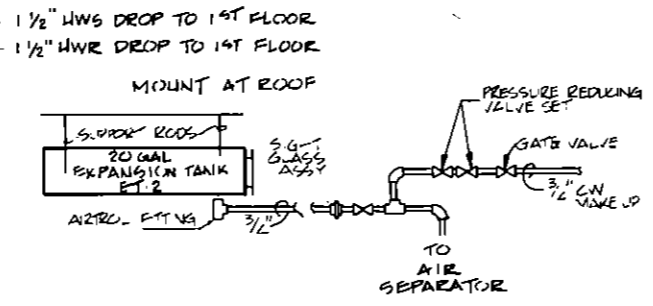
**M30**



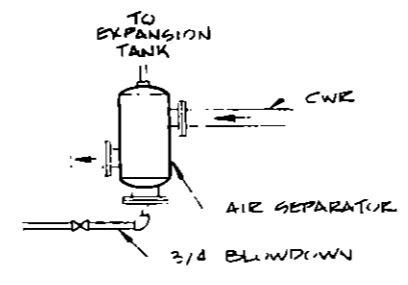


**MECHANICAL ROOM SECOND FLOOR**

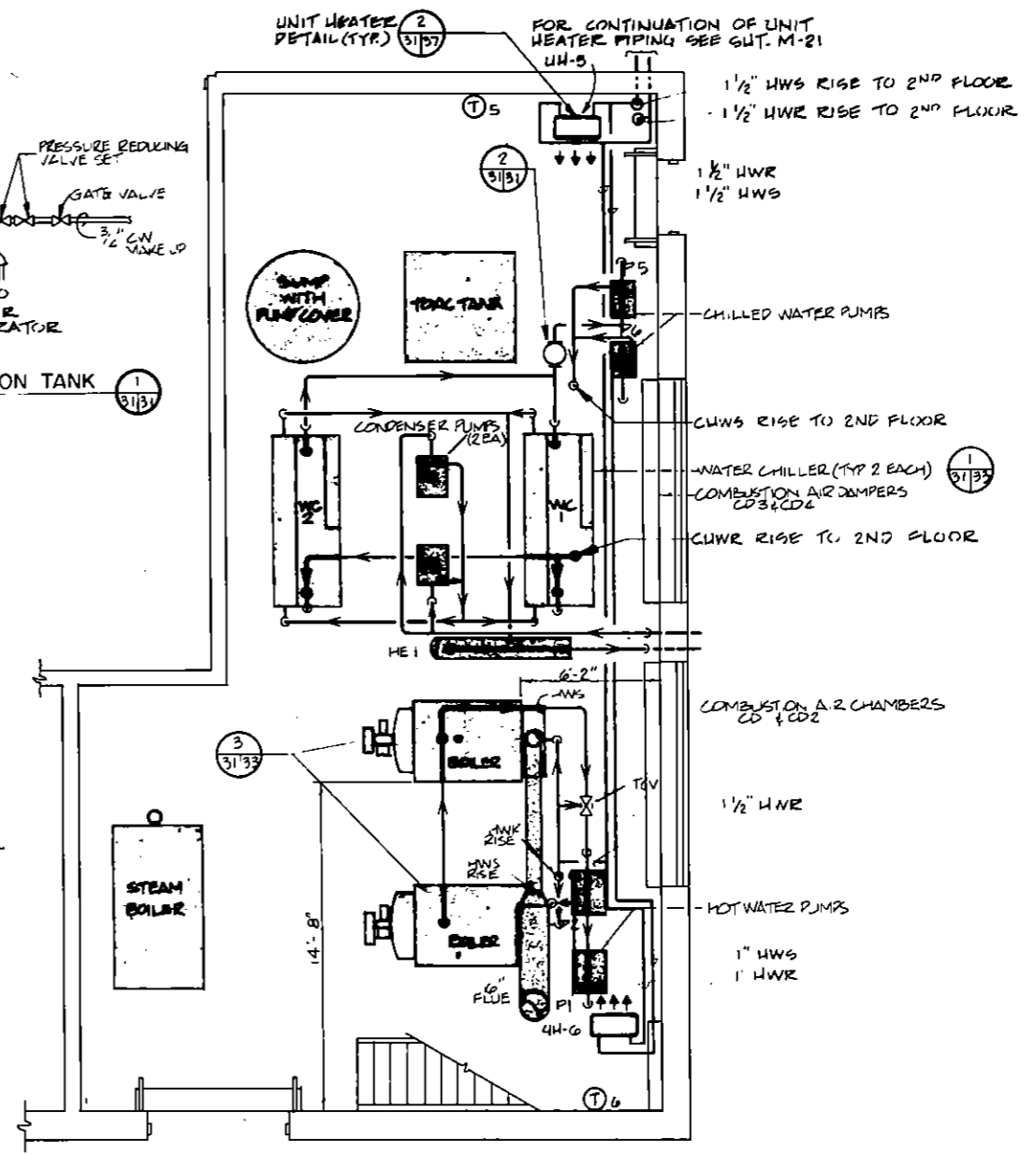
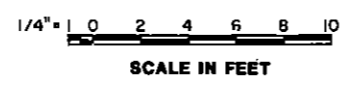
NOTE:  
FOR AHU COIL PIPING SEE 4  
3/1/32



**CHILLED WATER EXPANSION TANK**  
NO SCALE 1  
3/1/31



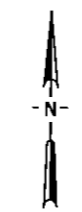
**AIR SEPARATOR DETAIL**  
NO SCALE 2  
3/1/31



**MECHANICAL ROOM FIRST FLOOR**

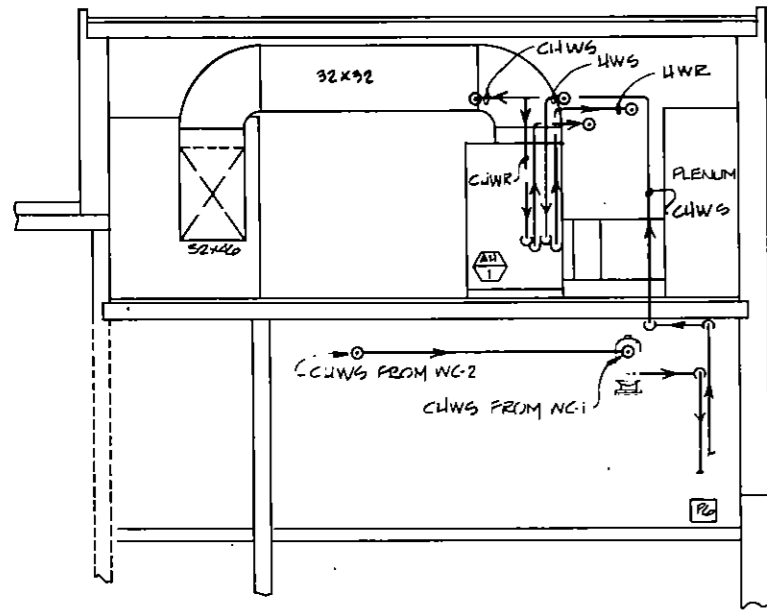
NOTE:  
FOR PUMP DETAILS SEE 5  
3/1/32

1 THERMOSTAT LOCATION FOR UNIT HEATER

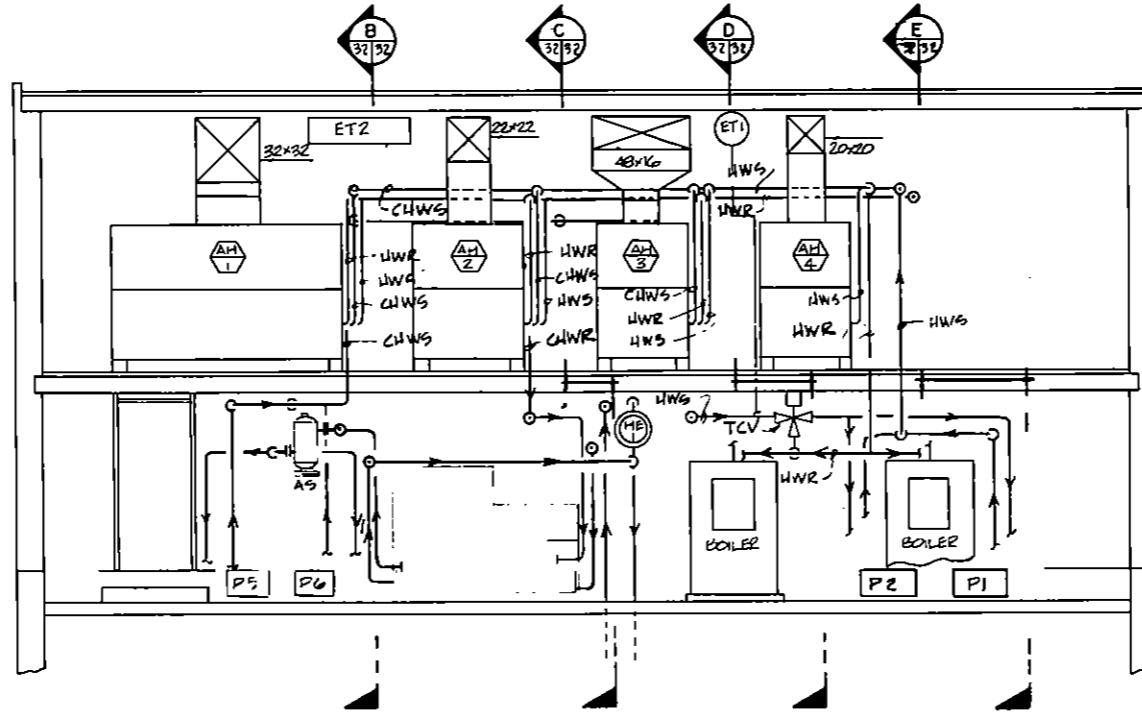


REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING</b> <b>EQUIPMENT HEAT AND COOL PIPING PLAN</b> <b>MADISON, WISCONSIN</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	W6/SML	G2/D3	SN/JF	DEC-WI-827-492.0

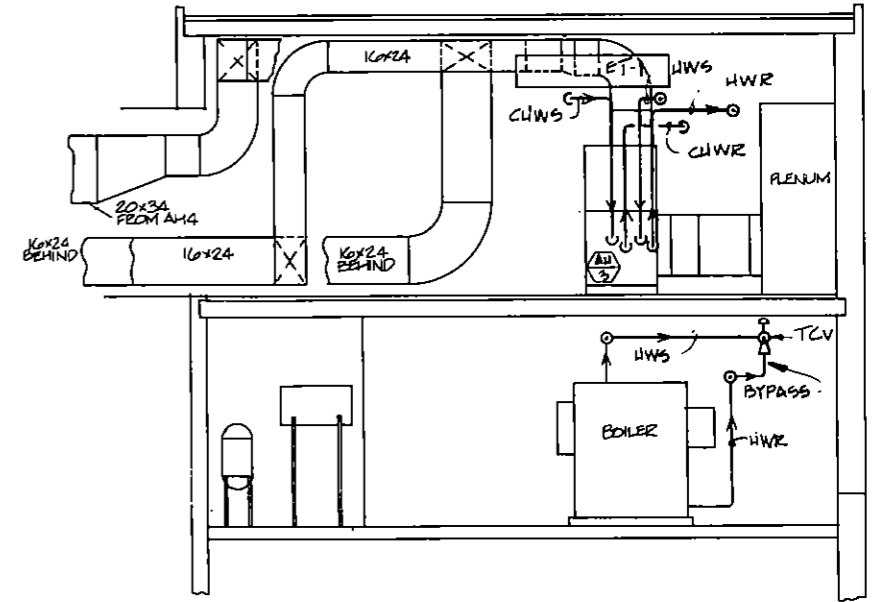
**M31**



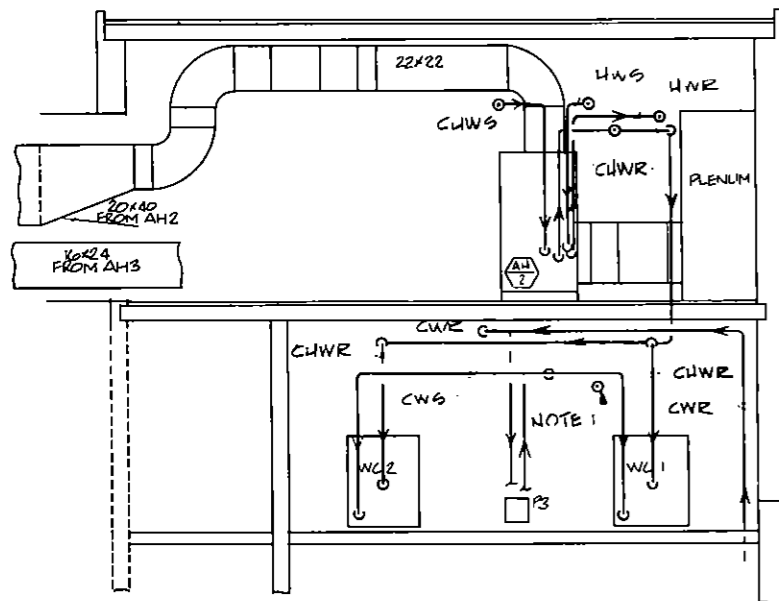
**SECTION B**  
SCALE: 1/4" = 1'-0" 5/13/32



**SECTION A**  
SCALE: 1/4" = 1'-0" 5/13/32

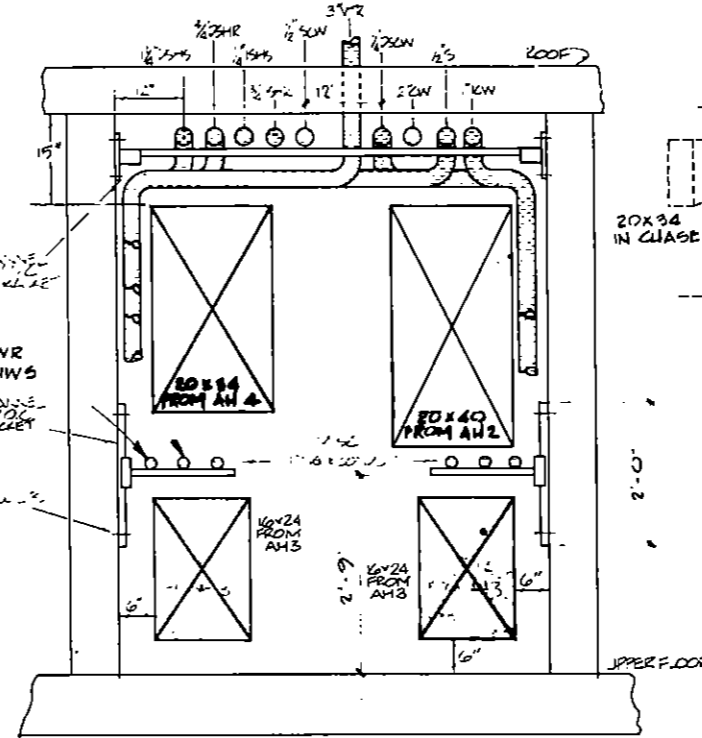


**SECTION D**  
SCALE: 1/4" = 1'-0" 5/13/32

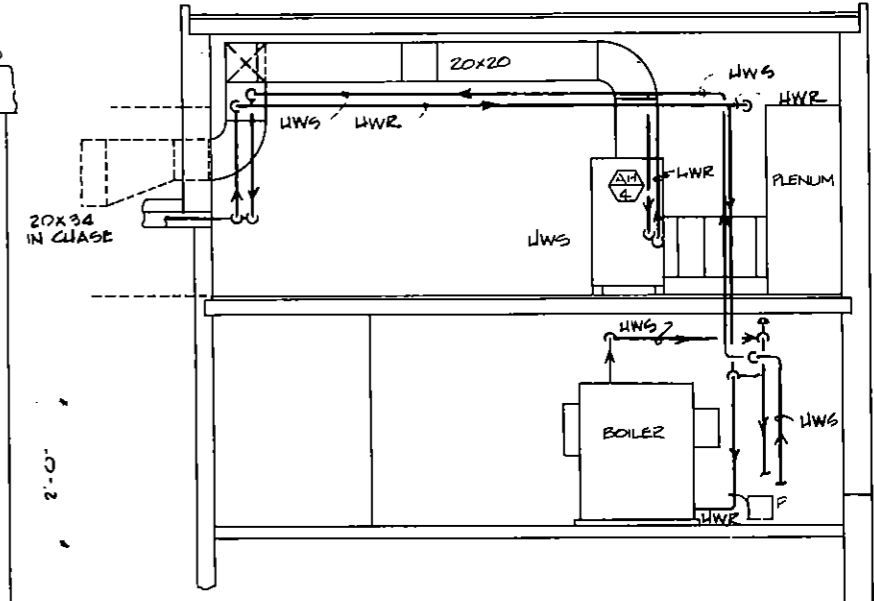


**SECTION C**  
SCALE: 1/4" = 1'-0" 5/13/32

- LEGEND**
- P1-P2-HOT WATER PUMP
  - P3-P4-CONDENSER PUMP
  - P5-P6-CHILLED WATER PUMP
  - AS - AIR SEPARATOR
  - AHU - AIR HANDLING UNIT
  - ET - EXPANSION TANK
  - HE - HEAT EXCHANGER
  - DSHS-DOMESTIC SOFT HOT SUPPLY
  - DSHR-DOMESTIC SOFT HOT RETURN
  - ISHS-INDUSTRIAL SOFT HOT SUPPLY
  - ISHR-INDUSTRIAL SOFT HOT RETURN
  - ISCW-INDUSTRIAL SOFT COLD WATER
  - VTR-VENT THERM VALVE
  - CW - COLD WATER
  - S - STEAM
  - ICW - INDUSTRIAL COLD WATER
  - UWS - HOT WATER SUPPLY
  - HWR - HOT WATER RETURN
  - TCV - TEMPERATURE CONTROL VALVE

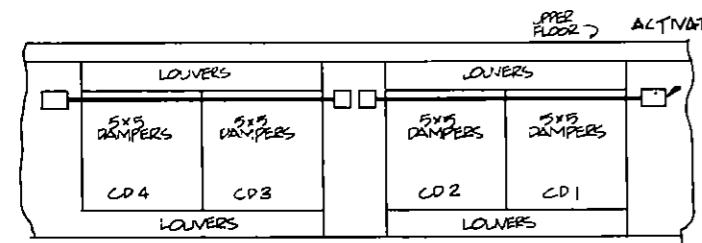


**MECHANICAL CHASE SECTION F**  
SCALE 1/4" = 1'-0" 5/13/32

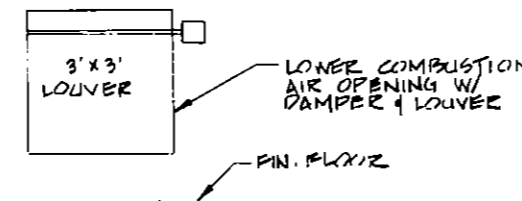
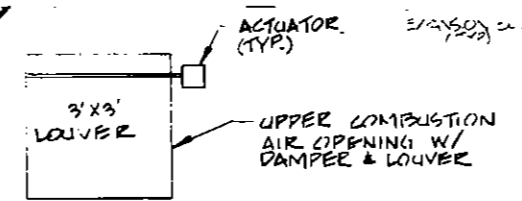


**SECTION E**  
SCALE: 1/4" = 1'-0" 5/13/32

NOTES:  
1. COLD WATER RETURN (CWR) THEN HE-1 TO COOLING TOWER



**CONTROL DAMPER**  
FIRST FLOOR MECHANICAL ROOM



**CONTROL DAMPER**  
ROOM 89 INCINERATOR

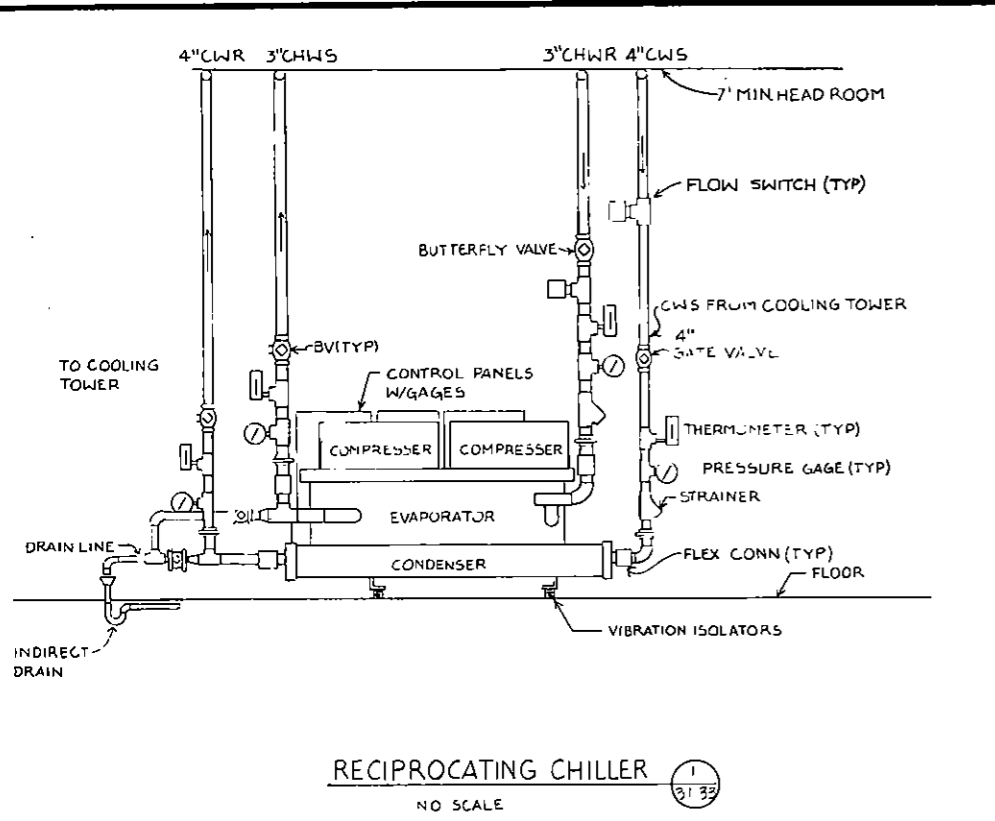
REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN**

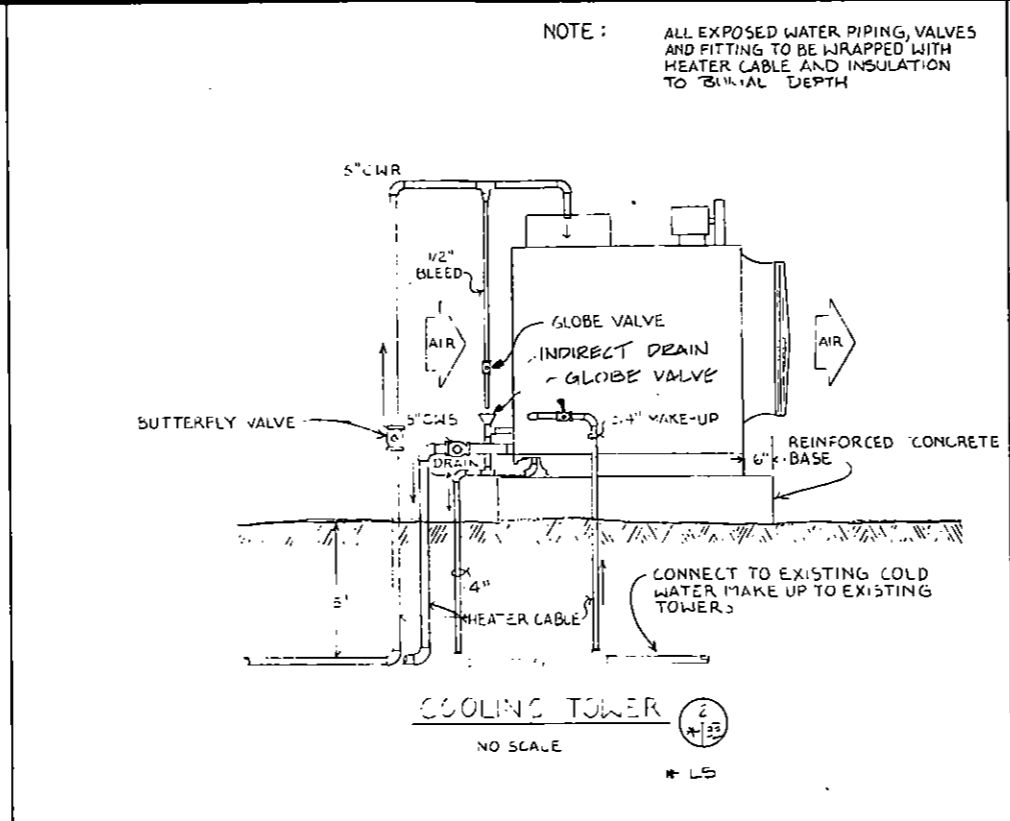
**EQUIPMENT SECTIONS**

DATE: 8/84 DESIGNED: SAH DRAWN: GJS CHECKED: SAH DRAWING NO. DEC-WI-027-493.0

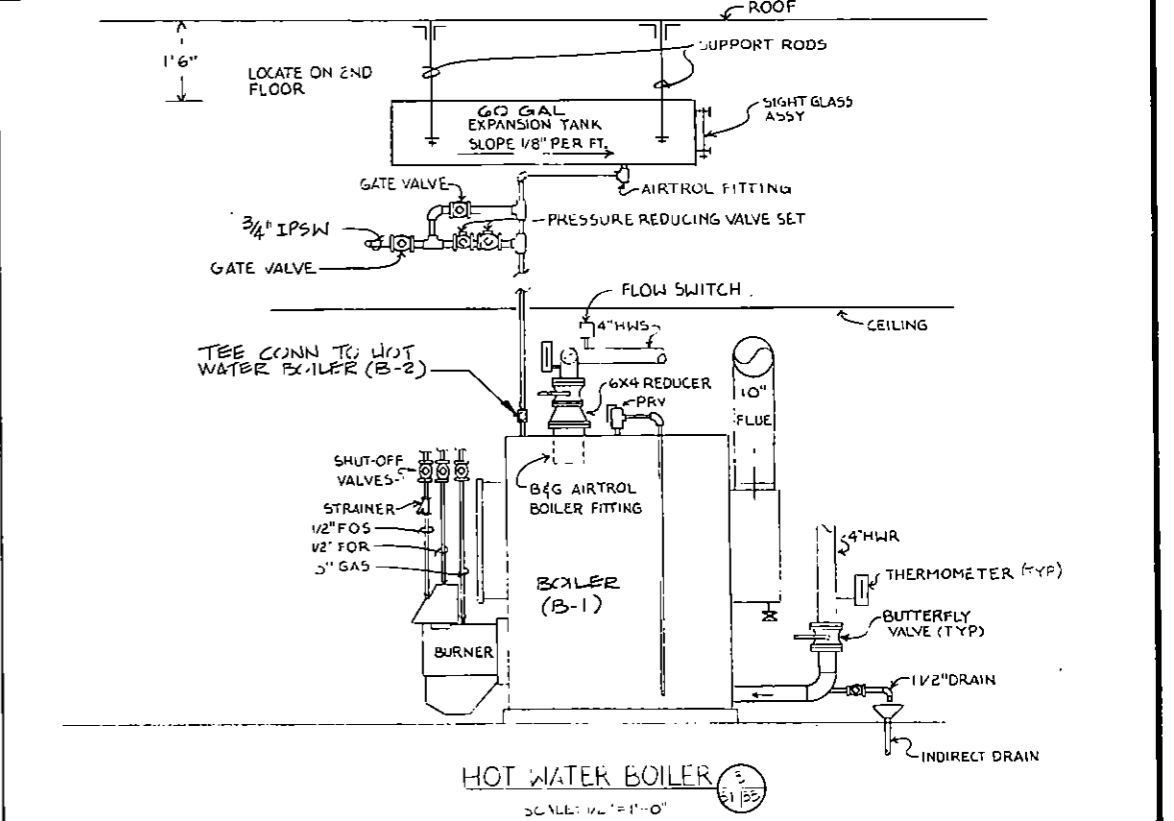
**M32**



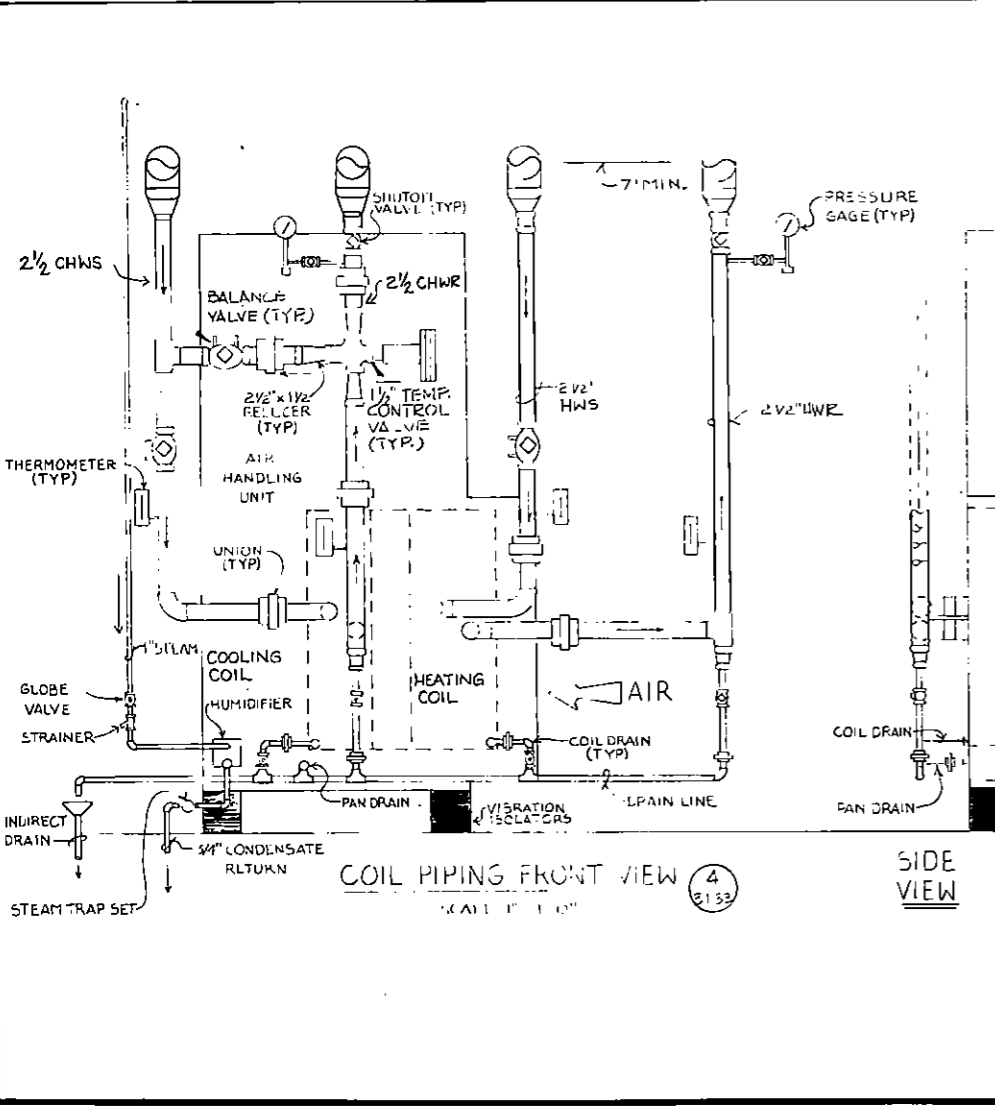
**RECIPROCATING CHILLER**  
NO SCALE  
①  
5/1/83



**COOLING TOWER**  
NO SCALE  
②  
5/1/83

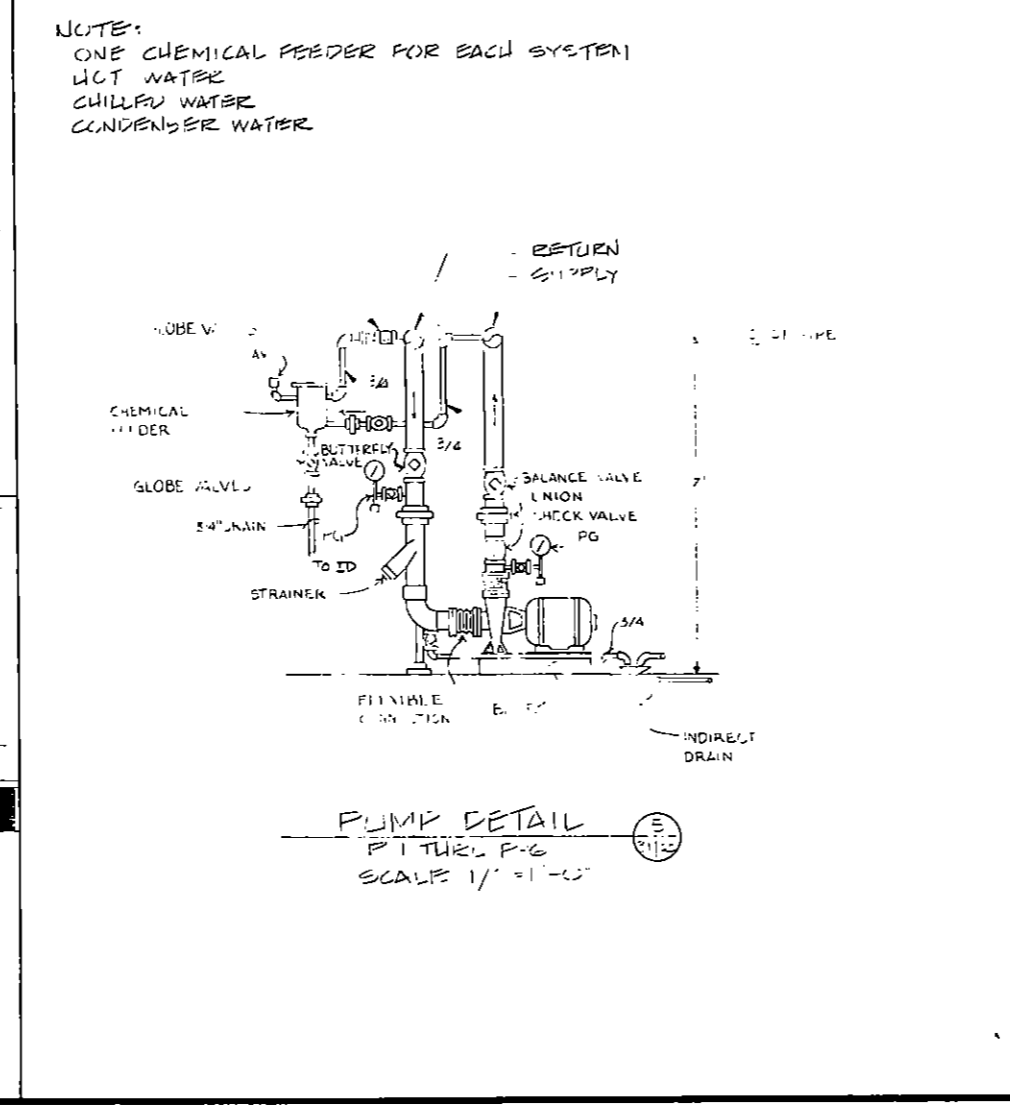


**HOT WATER BOILER**  
SCALE: 1/4\"/>

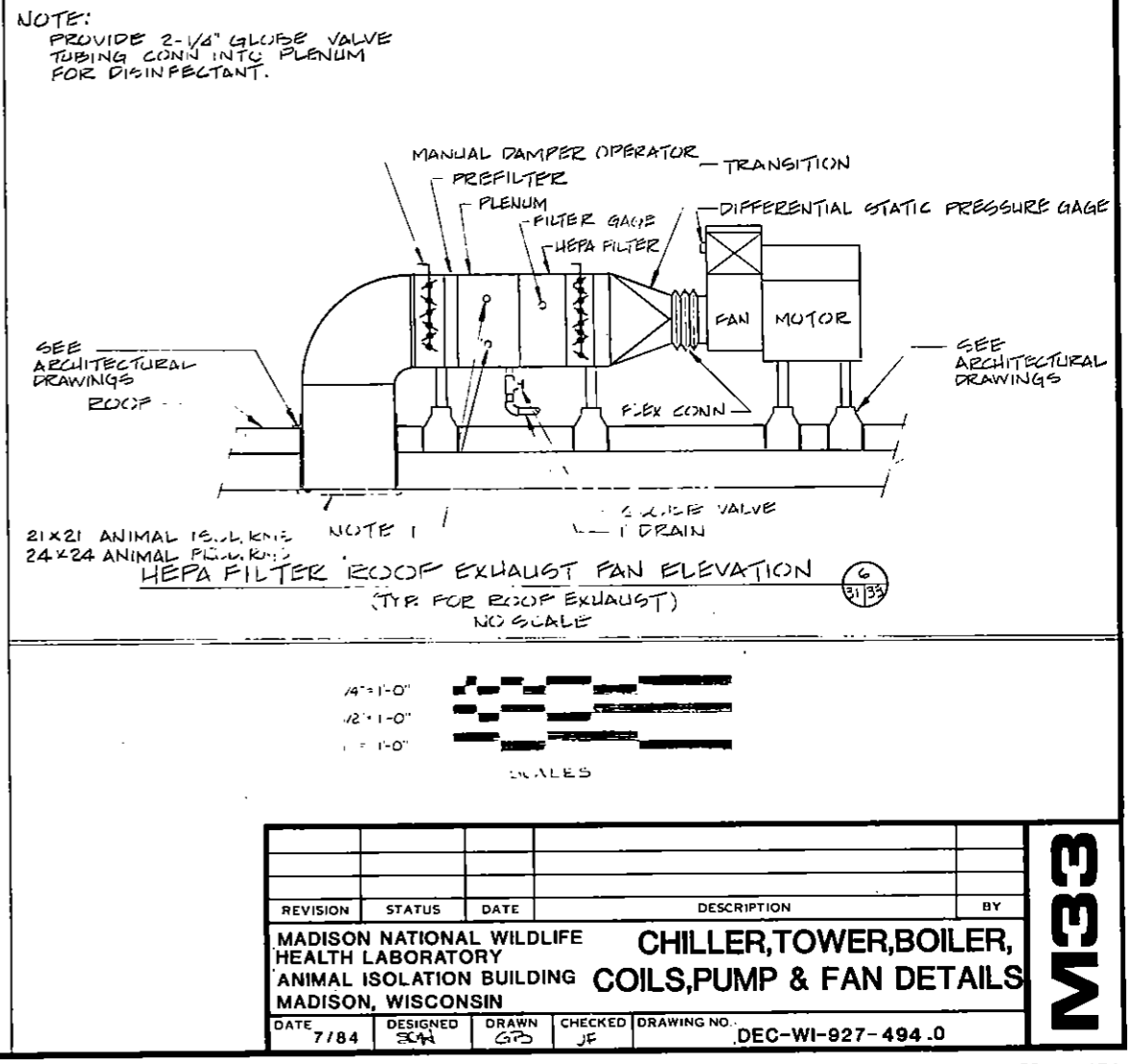


**COIL PIPING FRONT VIEW**  
SCALE: 1\"/>

**SIDE VIEW**



**PUMP DETAIL**  
PITTING P-6  
SCALE 1\"/>



**HEPA FILTER ROOF EXHAUST FAN ELEVATION**  
(TYP FOR ROOF EXHAUST)  
NO SCALE  
⑥  
5/1/83



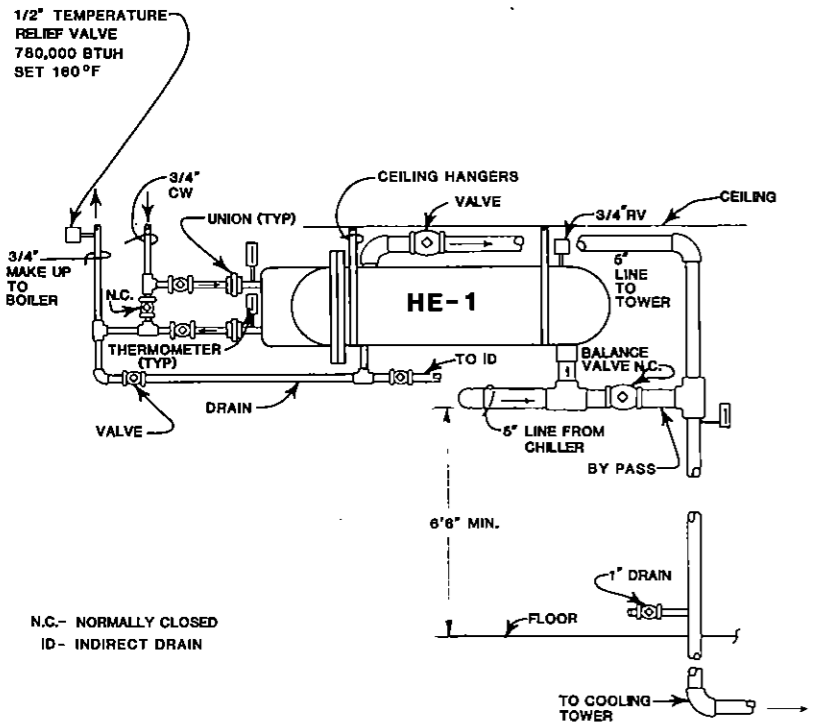
REVISION	STATUS	DATE	DESCRIPTION	BY

MADISON NATIONAL WILDLIFE HEALTH LABORATORY  
ANIMAL ISOLATION BUILDING  
MADISON, WISCONSIN

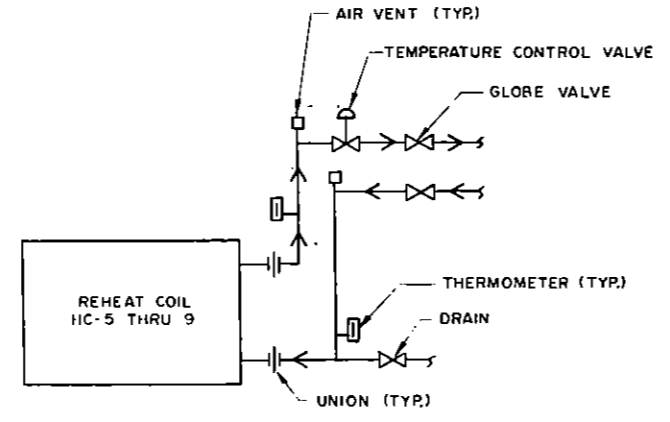
**CHILLER, TOWER, BOILER, COILS, PUMP & FAN DETAILS**

DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	SKM	GPD	JE	DEC-WI-927-494.0

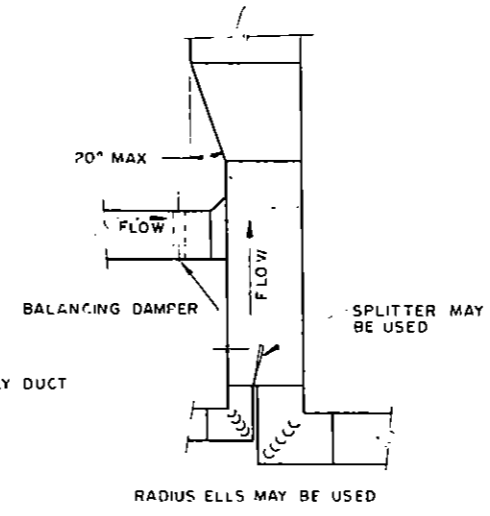
**M3B**



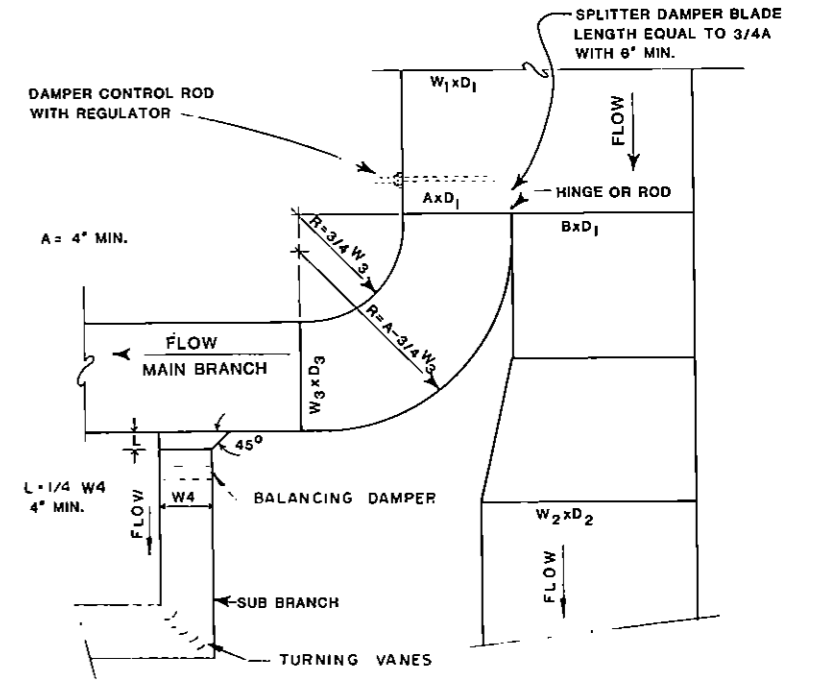
**HEAT EXCHANGER PIPING**  
NO SCALE



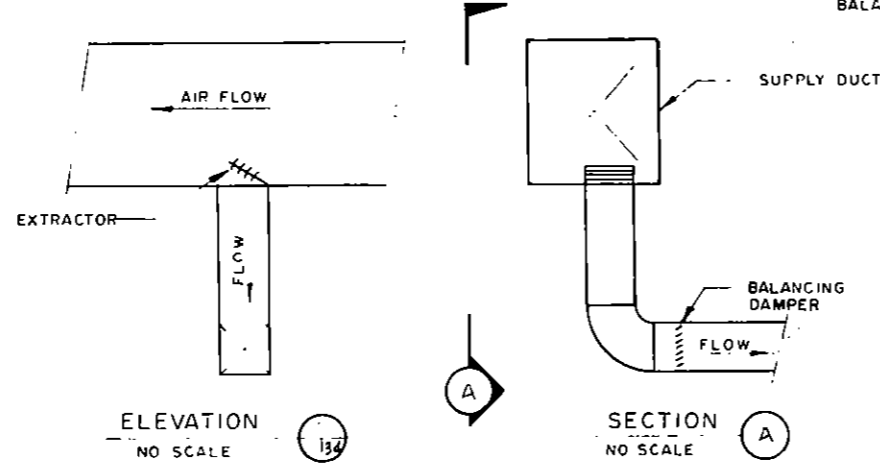
**REHEAT COIL PIPING DETAIL**  
NO SCALE



**RETURN DUCT DETAIL (TYPICAL)**  
NO SCALE

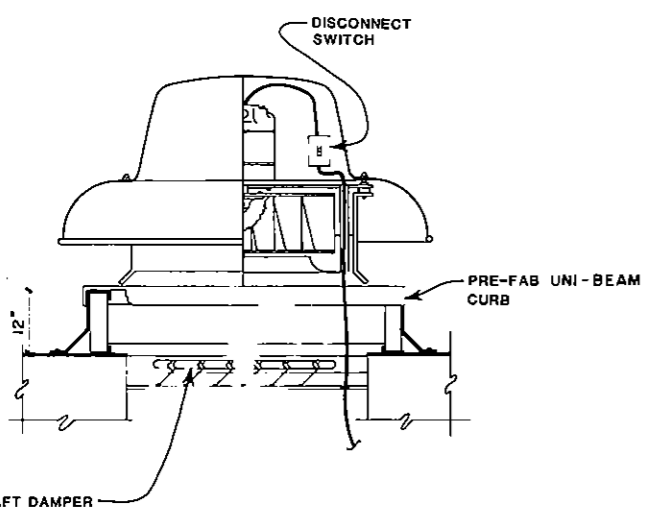


**SUPPLY DUCT TAKEOFF (TYPICAL)**  
NO SCALE

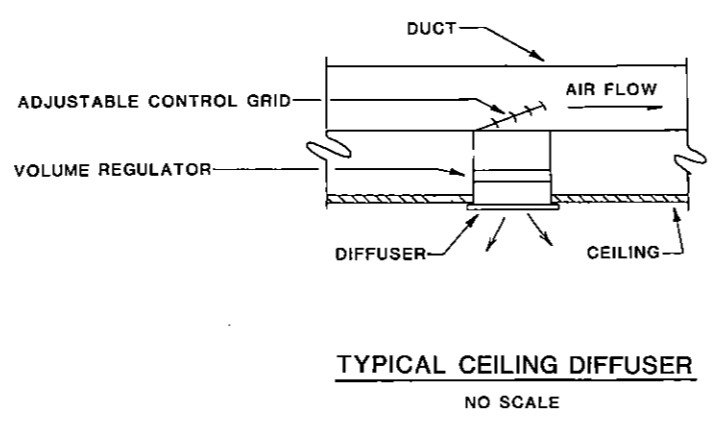


**ELEVATION**  
NO SCALE

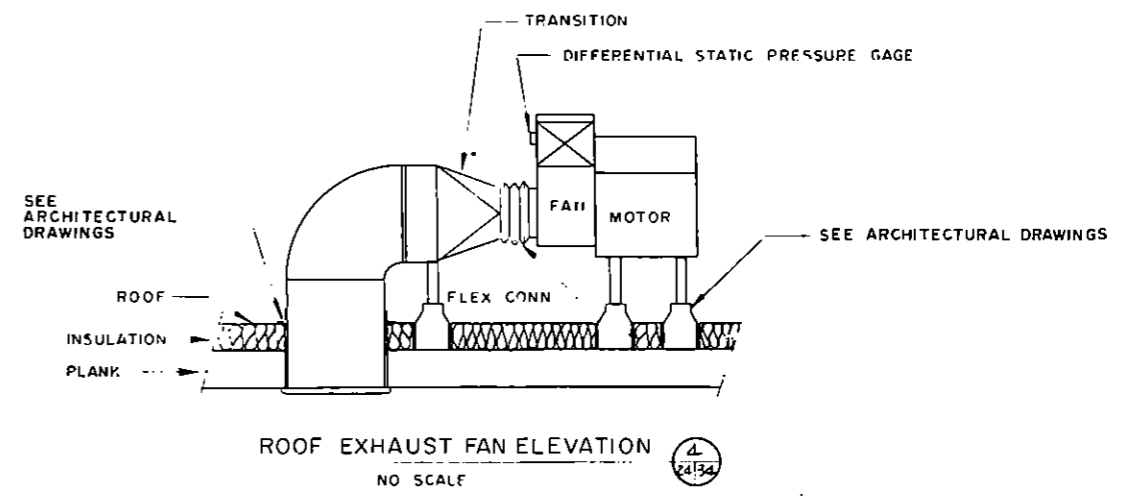
**SECTION**  
NO SCALE



**CENTRIFUGAL ROOF EXHAUST FAN ELEVATION**  
NO SCALE



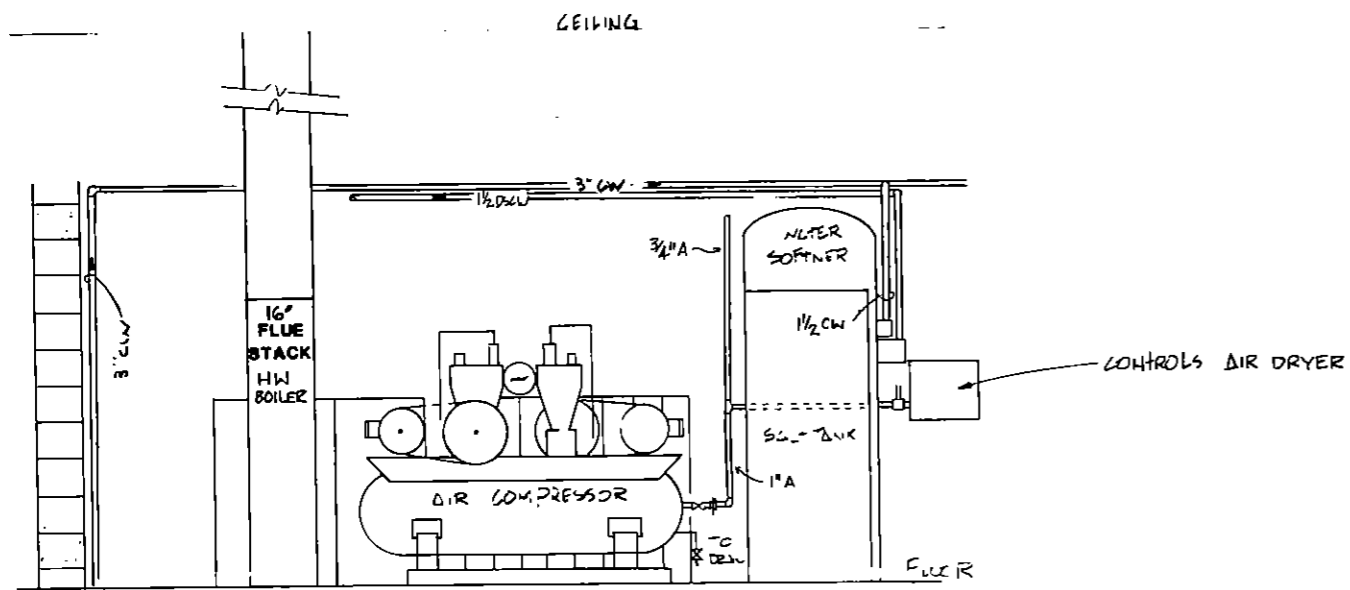
**TYPICAL CEILING DIFFUSER**  
NO SCALE



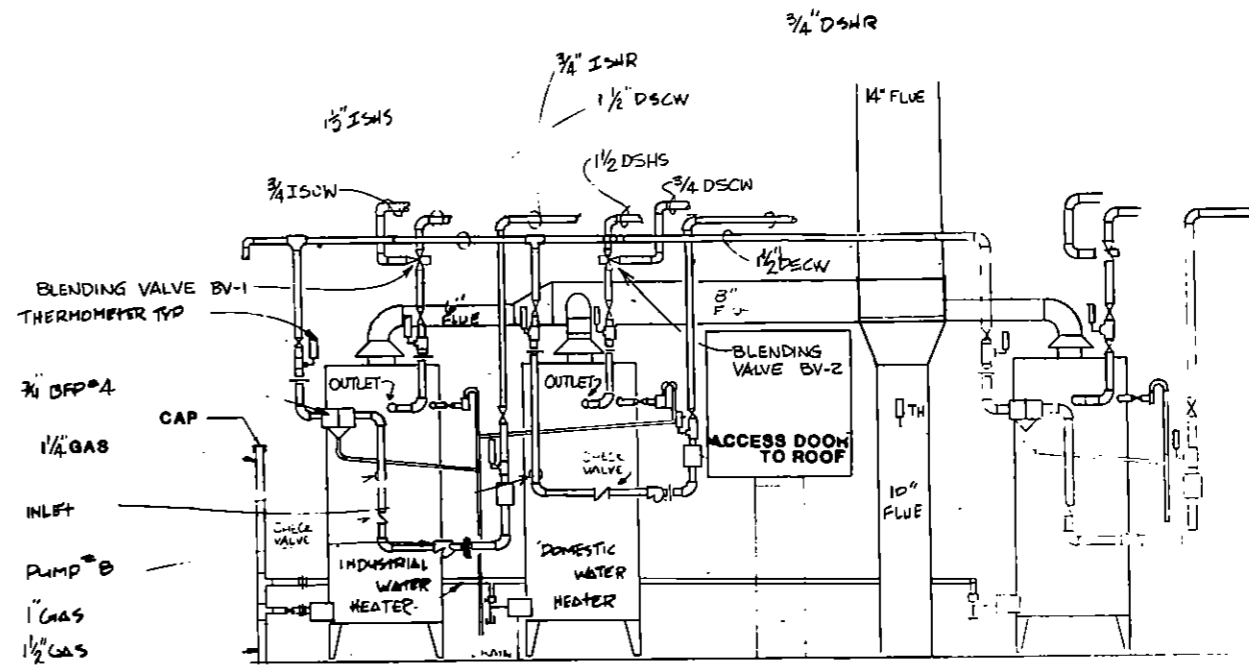
**ROOF EXHAUST FAN ELEVATION**  
NO SCALE

MADISON NATIONAL WILDLIFE		DESCRIPTION		BY
MADISON NATIONAL WILDLIFE		EXCHANGER, DAMPER, FAN,		
MADISON NATIONAL WILDLIFE		DUCT & DIFFUSER		
MADISON, WISCONSIN		DEC-WI-927-		
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
5/84	SM	SC	SM	DEC-WI-927-495.0

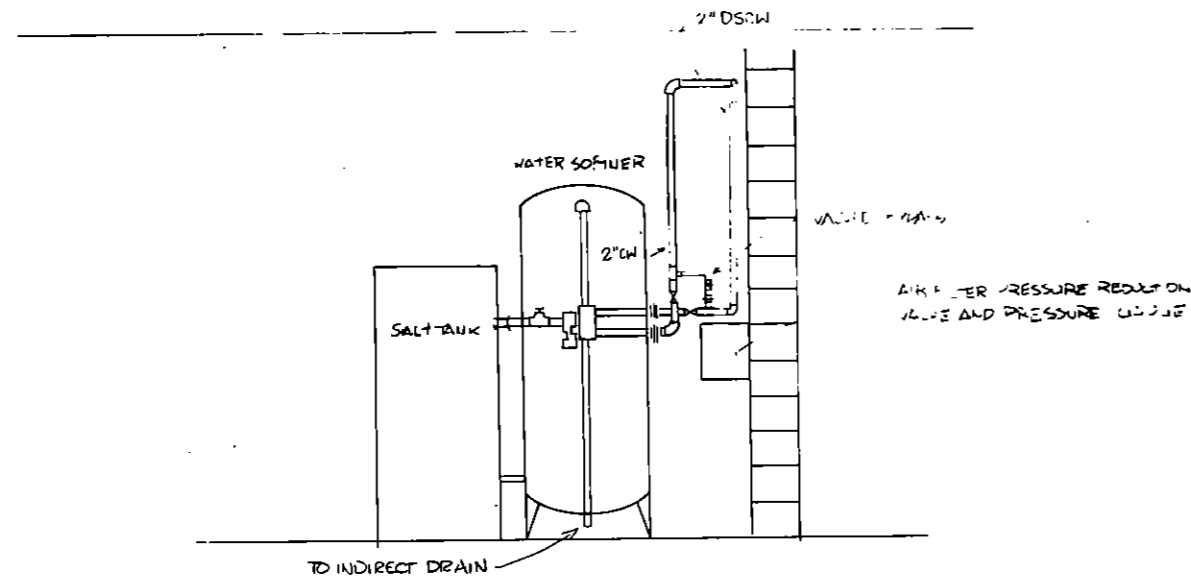
**M34**



**AIR COMPRESSOR**  
SCALE 1/2" : 1'-0"

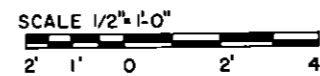


**WATER HEATERS**  
SCALE 1/2" : 1'-0"



**WATER SOFTENER**  
SCALE 1/2" : 1'-0"

AIR COMPRESSOR PERFORMANCE	
MAKE	JOHNSON
MODEL	FFJ340
HP	3
TANK SIZE	24"X72" 120 GAL.
RPM	400
STAGES	2
NUMBER OF COMPRESSORS	2
PRESS. SETTING	100#
DISPL. CFM	17.6
CFM (FREE AIR) AT 100 PSI	13.9
ELECTRICAL DATA	208V / 3φ



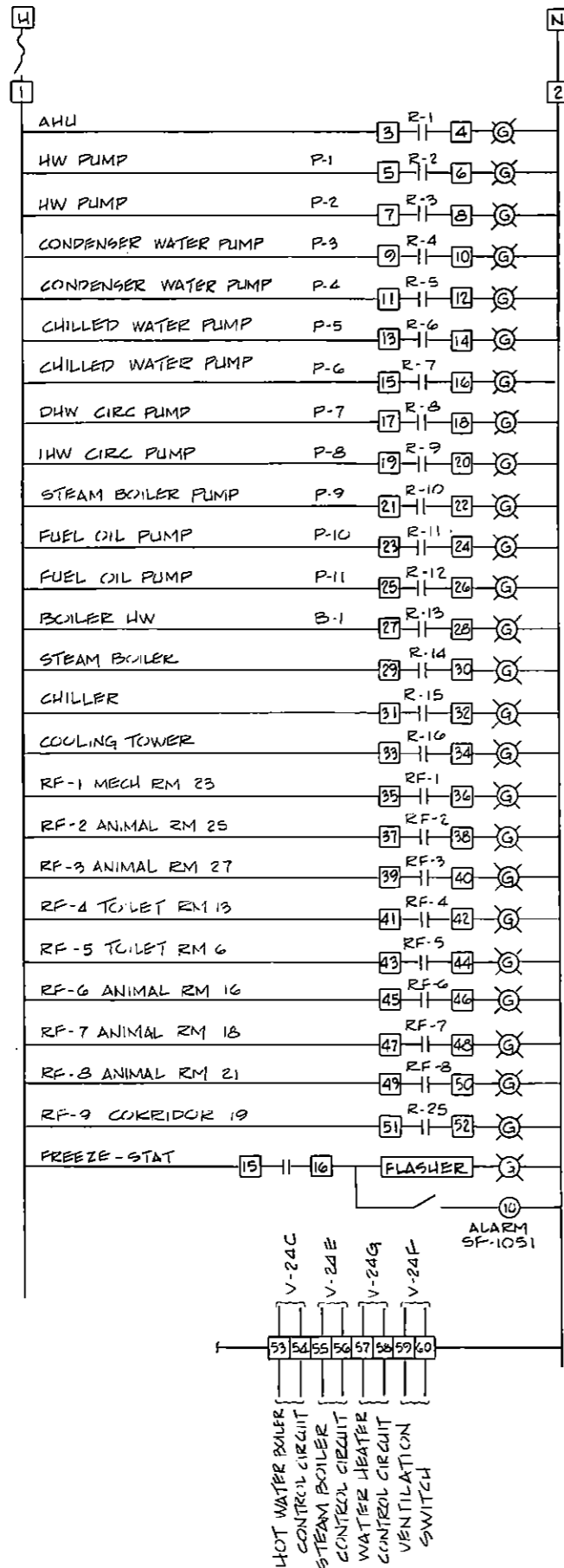
REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY**  
ANIMAL ISOLATION BUILDING  
MADISON, WISCONSIN

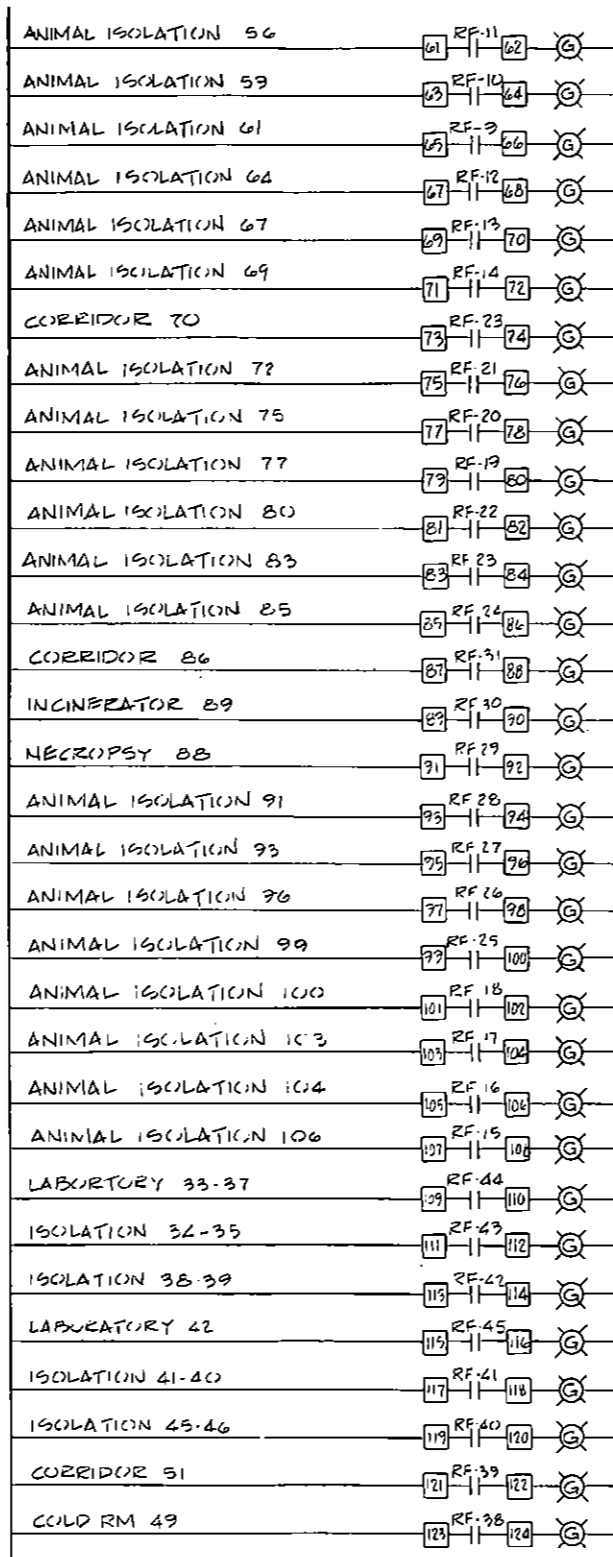
**WATER HEATERS, SOFTENER & COMPRESSOR**

DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	WG	GP	JF	DEC-WI-027-496.0

**M35**

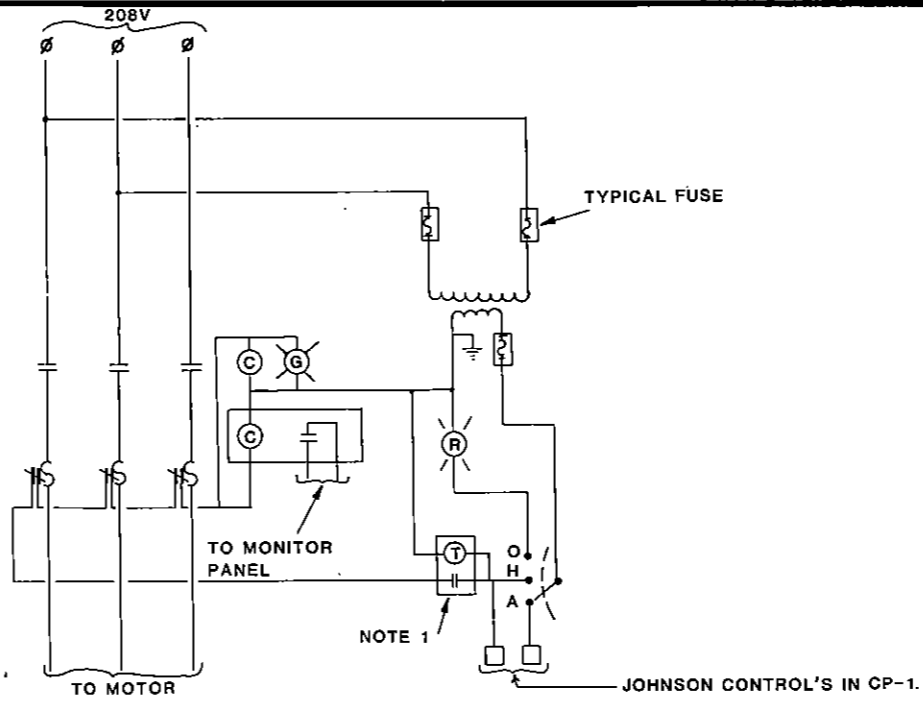
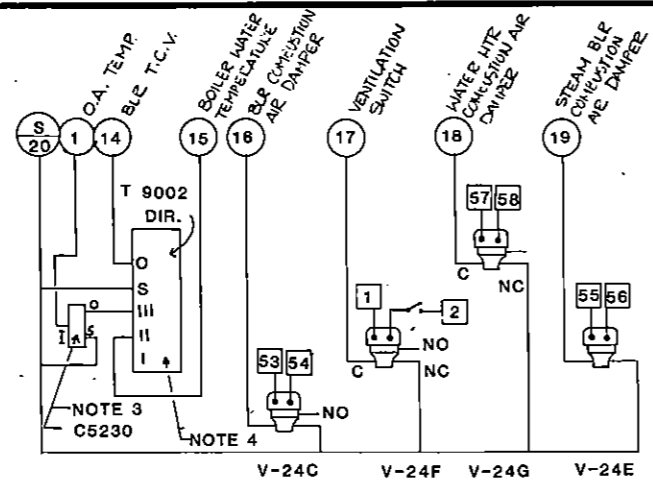


MAIN MONITOR PANEL (MP-A)

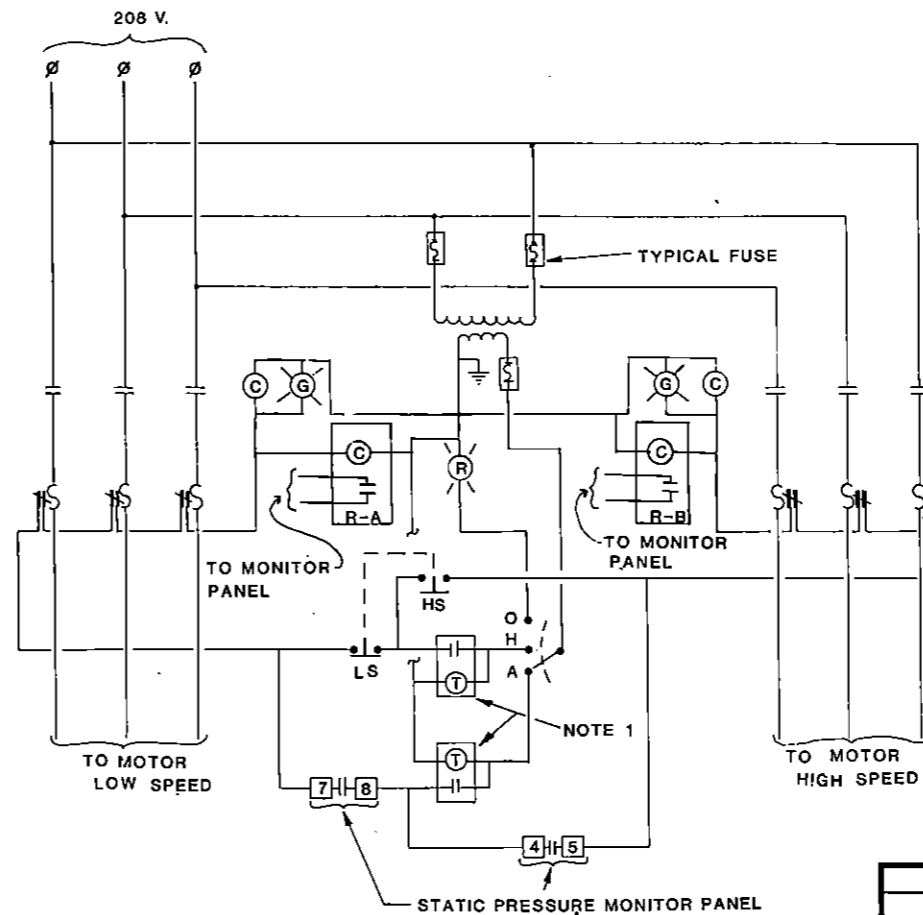


REVISION	STATUS	DATE	DESCRIPTION	BY
MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN				
			<b>CONTROL WIRING</b>	
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	JF	GB	JF	DEC-WI-927-499.0

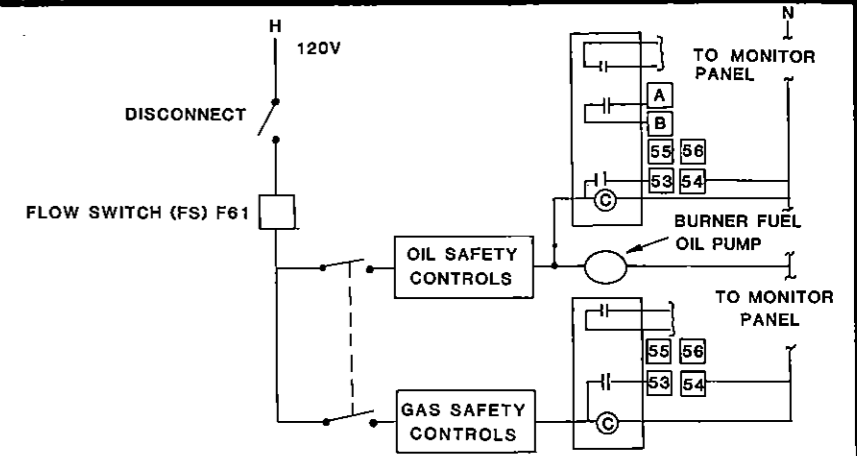
**M38**



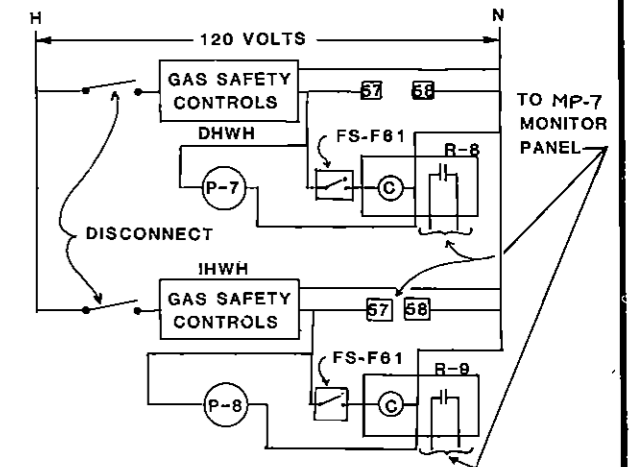
TYPICAL SINGLE SPEED MOTOR CONTROL CIRCUIT



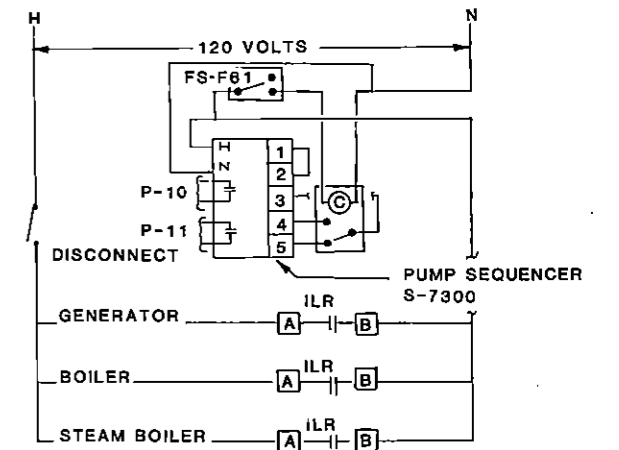
TYPICAL TWO SPEED MOTOR CONTROL CIRCUIT



TYPICAL BOILER BURNER CONTROL CIRCUIT



HOT WATER HEATER CONTROL CIRCUIT



FUEL OIL PUMP CONTROLS

NOTES

1. TIME DELAY CONTACTOR, 0-60 SEC., ONLY WHERE INDICATED IN DIVISION 16.
2. ILR - INTERLOCKING RELAY
3. SET C5230 SO BOILER TCV WILL REMAIN OPEN UNTIL THE OUTSIDE AIR TEMPERATURE REACHES 20 F.
4. SET TCV CONTROLLER RATIO AT -1.25.
5. CONNECT THE LEADS FROM R-A AND R-B TO A COMMON LIGHT ON THE MAIN MONITOR PANEL SO EITHER RELAY WILL OPERATE THE LIGHT.

REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY</b> <b>ANIMAL ISOLATION BUILDING</b> <b>MADISON, WISCONSIN</b>				
<b>MAIN MONITOR PANEL</b> <b>AND CONTROL WIRING</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	MC/JF	4/8	JF	DEC-WI-927-501.0

**M40**

### EXHAUST FAN

SYMBOL	CFM	SP	FAN RPM	BHP	MOTOR HP	HEPA FILTER	TYPE	DESIGN BASED ON
RF-1	1000/500	1/4	1750	1/4	1/4		DIRECT DRIVE	PENN DUMEX AQ-10
RF-2,3	1300/650	4	1910	1.48	1-1/2	24x24x11-1/2	BELT DRIVE	BARRY 9-61 AH15 7-61 AH15
RF-4	650	4	2290	0.68	3/4			
RF-5	700	4	2334	0.75	3/4			
RF-6-29	900/450	4	2547	1.09	1-1/2			
RF-30	1400/700	4	1952	1.62	2			3-61
RF-31-35	900/450	1/2	1643	0.16	1/4			BARRY RPK-10A
RF-36	1200/600	1/4	955	1/6	1/6		DIRECT DRIVE	PENN DUMEX BB-45
RF-37	180/90	1/4	1750	1/2	1/2			XR-60
RF-38	400/200	1/2	1750	1/6	1/6			XR-9L
RF-39	1300/650	1/2	2136	0.94	1/2		BELT DRIVE	BARRY RPK-10C
RF-40-43	2450	3/4	1810	1.3	1-1/2			RPK-15F
RF-44,45	1500/750	3/8	1620	0.32	1/2			122-B1 W/PANED HERESITE COATING
RF-46	250	1/8	1750	1/12	1/12		DIRECT DRIVE	PENN DUMEX XG-60
RF-47	350	1/4	1550	1/25	1/25		DIRECT DRIVE	PENN DUMEX XR-82
RF-48,49	200	1/4	1550	1/25	1/25		DIRECT DRIVE	PENN DUMEX XR-60

### BOILER

	WATER BOILER	STEAM BOILER
MAKE	KEWANEE	YORK SHIPLEY
MODEL	M-175K	542
MBH	1750	1388
HP	52.3	40
GAS CONNECTION	1/2"	1/2"
FUEL OIL CONNECTION	3/4"	1/2"
FLUE SIZE	10"	10"
WATERSIDE HT. TRANS AREA	239 SQ.FT.	218 SQ.FT.
BLOWER MOTOR	3/4 HP	1 HP
VOLTAGE	115/Ø	115/Ø
FIRING RATE:		
GAS CU.FT./HR	2168	1675
OIL GAS GAL./HR.	15.6	12
FURNACE VOLUME	29.5 CU.FT.	71 CU.FT.
SUPPLY SIZE	6" (150 # FLANGE)	2" (150 # FLANGE)
RETURN SIZE	4"	1 1/4"

### FLUE HEAT EXCHANGER

	HE-3 STEAM BLR	HE-2 HOT WATER BLR
MODEL	IS	MARK I
HEAT TRANSFERRED	250 MBH	600 MBH
FLOW RATE	10 GPM	10 GPM
FLUE DIA.	12"	16"
CONN. SIZE	1"	1 1/2"
WEIGHT	70 lbs.	105 lbs.
HTG SURFACE	16.86 Sq.ft.	49.59 Sq.ft.
WATER INLET TEMP.	50°F	50°F
FLUE EXH. TEMP.	250°F	250°F

### WATER SOFTENER

CAPACITY	450,000 GRAINS
RESIN VOLUME	15 CU.FT.
FLOW RATE:	
PEAK	83 GPM
CONTINUOUS	67 GPM
BACKWASH	20 GPM
SALT CAPACITY	900 lbm
CONNECTION	1 1/2"
ELECTRICAL	120V

BASED ON BRUNER 450 HBR

### UNIT HEATER

MAKE	TRANE
MODEL	S
SIZE	18-5
MBH	7.0
CFM	280
MOTOR	1/25 HP.
RPM	1050
POWER	115/60/1.Ø
GPM	1.5
WATER P.D.	0.3 FT
WATER TEMP DROP	10°F

### PUMPS

No.	SYSTEM SERVED	FLOW GPM	HEAD FT.	MAX. TEMP.	SPEED RPM	MOTOR DATA			EFF. %	BHP MAX	M.P. DIA.	CONN. SIZE	CONTROL	NPSH	DESIGN BASED ON
						HP	VOLTS	PHASE							
P-1	HOT WATER	150	30	200°F	1750	3	208	3	65	1.8	6-1/2"	2 1/2" 2"	THERMOSTAT	12'	BEG 1531 2" AB
P-2	HOT WATER	150	30	200°F	1750	3	208	3	65	1.8	6-1/2"	2 1/2" 2"	THERMOSTAT	12'	BEG 1531 2" AB
P-3	CONDENSER WATER	150	55	100°F	1750	3	208	3	55	2.9	7 1/4"	2 1/2" 2"	THERMOSTAT	6'	BEG 1531 2" BB
P-4	CONDENSER WATER	130	55	100°F	1750	3	208	3	55	2.9	7 1/4"	2 1/2" 2"	THERMOSTAT	6'	BEG 1531 2" BB
P-5	CHILLED WATER	100	50	55°F	1750	2	208	3	72	1.8	6 1/2"	2 1/2" 2"	THERMOSTAT	8'	BEG 1531 2" AB
P-6	CHILLED WATER	100	50	55°F	1750	2	208	3	72	1.8	6 1/2"	2 1/2" 2"	THERMOSTAT	8'	BEG 1531 2" AB
P-7	DOMESTIC HOT WATER CIRCULATION PUMP	10	16	140°F	1750	1/6	120	1	.4	.1		1 1/2"	AQUASTAT	2'	BEG HV
P-8	INDUSTRIAL HOT WATER CIRCULATION PUMP	15	14	140°F	1750	1/6	120	1	.4	.1		1 1/2"	AQUASTAT	2'	BEG HV
P-9	STEAM BOILER CONDENSATE PUMP	4	140	210°F	1750	1	208	3	.5	.8		1 1/2"	BOILER WATER LEVEL	4'	PACO SERIES CO MODEL 30
P-10	FUEL OIL PUMP	1 1/2	50	55°F	1800	1/4	120	1							VIKING SERIES 432
P-11	FUEL OIL PUMP	1 1/2	50	55°F	1800	1/4	120	1							VIKING SERIES 432
P-12	TOXIC WASTE SUMP PUMP	10	25	80°	1750	1	208	3				1-1/4"	FLOATS		PACO TYPE NCD
P-13	TOXIC WASTE SUMP PUMP	10	25	80°	1750	1	208	3				1-1/4"	FLOATS		PACO TYPE NCD
P-14	INDUSTRIAL HOT WATER RETURN PUMP	15	25	200°	1750	1/4	120	1	.55	12	3-1/4"	1"			

### SHELL & TUBE HEAT EXCHANGER

CAPACITY - 650 MBH		DESIGN PRESSURE - 125 PSI					
	FLUID	FLOW GPM	TEMP °F	ENT	LVG	PRESSURE DROP, FT.	FOULING FACTOR
SHELL SIDE DATA	WATER	130	95°	87°	4.7	.0005	HEAT TRANS. AREA - 119 SQ.FT.
TUBE SIDE DATA		43	55°	79°	<1	.0005	No. OF PASS - 4
DESIGN BASED ON BEG "WU" UNIT MODEL-WU126-46							
CAPACITY - 250 MBH		DESIGN PRESSURE -					
	FLUID	FLOW GPM	TEMP °F	ENT	LVG	PRESSURE DROP, FT.	FOULING FACTOR
SHELL SIDE DATA	WATER	10	200	130	1	.002	HEAT TRANS. AREA - 26.8 SQ. FT.
TUBE SIDE DATA		10	50	100	1	.002	No. OF PASS - 4
DESIGN BASED ON BEG "WH" UNIT MODEL-WJ66-42							
CAPACITY - 750 MBH		DESIGN PRESSURE -					
	FLUID	FLOW GPM	TEMP °F	ENT	LVG	PRESSURE DROP, FT.	FOULING FACTOR
SHELL SIDE DATA							HEAT TRANS. AREA - 26.8 SQ. FT.
TUBE SIDE DATA			10	50	200	1	.002
DESIGN BASED ON BEG "SU" UNIT MODEL-SU66-4							

### COOLING TOWER

MAKE	MARLEY
MODEL	4790
NOM. TONS	90
TOTAL GPM	300
WATER ENT	95°F
WATER LVG	85°F
DES. DB	88°F
DES. WB	73°F
MOTOR HP	5
VOLTAGE	208/3Ø

REVISION	STATUS	DATE	DESCRIPTION	BY
MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN				
DATE 7/84			DESIGNED 2/19	DRAWN 6P
CHECKED 5/84			DRAWING NO. DEC-WI-927-502.0	

**M41**



COIL SCHEDULE																	
	TOTAL MBH	TOTAL CFM	AIR DATA					WATER DATA			NO. OF ROWS	FINS PER FT.	NOMINAL SIZE	LOCATION	REMARKS		
			FACE VEL	ENT °F DB	WB	LVG °F DB	WB	MAX P.D.	TOTAL GPM	TEMP °F ENT						LVG	MAX P.D.
CC-1	436	14200	590	88	73	67	65	0.50"	87	45	55	5.3	2	163	33 x 105	AHU-1	TYPE W, SIGMA FLOW
WC-1	1376	14200	590	-7	-	85	-	0.21"	141	180	160	11.3	2	122	33 x 105	AHU-1	TYPE W, PRIMA FLOW
CC-2	340	6500	693	88	73	58	57.6	1.05"	68	45	55	5.0	6	139	30 x 45	AHU-2	TYPE W, PRIMA FLOW
WC-2	445	6500	693	-7	-	58	-	0.22"	46	180	160	1.0	2	87	30 x 45	AHU-2	TYPE W, PRIMA FLOW
CC-3	202	5650	753	88	73	64	63	1.03"	40	45	55	1.3	4	168	30 x 36	AHU-3	TYPE W, PRIMA FLOW
WC-3	584	5650	753	-7	-	85	-	0.40"	56	180	160	1.7	3	97	30 x 36	AHU-3	TYPE W, PRIMA FLOW
WC-4	484	5000	667	-7	-	85	-	0.32"	50	180	160	1.1	2	152	30 x 36	AHU-4	TYPE W, PRIMA FLOW
WC-5-B	36.4	1200	600	55	-	83	-	0.16	3	180	156	1.7	1	80	12 x 24	LABS	TYPE T
WC-9	13.4	400	400	55	-	86	-	0.08	1	180	156	0.2	1	80	12 x 12	OFFICE	TYPE T

CHILLERS, WC-1 WC-2										
CAPACITY TONS	FLOW GPM	EVAPORATOR			CONDENSER			POWER KW	EER	REMARKS
		ENT H2O TEMP °F	LVG H2O TEMP °F	MAX P.D.	ENT H2O TEMP °F	LVG H2O TEMP °F	MAX P.D.			
41.6	130	55	45	29'	85	95	21'	42.5	11.6	20B/30

DESIGN BASED ON TRANE MODEL CGWB 040M (DUAL)

REGISTER & GRILLE SCHEDULE			
SYMBOL	SIZE	BLOW	MODEL
A	12 x 12	3 WAY	AMS, 3
B	12 x 9	4	R
C	6 x 6	4	S
D	9 x 9	2	2C
E	12 x 6	4	R
F	6 x 6	2	2C
G	12 x 12	1	VF5
H	16 x 16	1	VF5
I	18 x 18	1	AMS, 1
J	18 x 18	2	2C
K	6 x 6	3	3
L	9 x 9	3	3
M	12 x 12	4	S
N	9 x 6	2	2S
P	12 x 9	3	31B
Q	12 x 9	3	31L
R	6 x 4	1	VF5
S	21 x 9	2	AMS, 2CR
T	18 x 18	—	1
U	12 x 9	—	1B
V	6 x 6	—	1
W	12 x 12	—	1
X	9 x 6	—	1L
Y	21 x 21	—	2C
Z	24 x 24	—	2C
AA	24 x 12	—	2L
BB	21 x 21	—	2
CC	8 x 6	1 WAY	VF5
DD	8 x 6	—	VF7

AIR HANDLING UNITS				
SYMBOL	AHU-1	AHU-2	AHU-3	AHU-4
MAKE	TRANE	TRANE	TRANE	TRANE
MODEL	VDT	VDT	VDT	VDT
SIZE	25	10	8	8
CFM	14200	6500	5650	5000
S.P.	2-1/2	2-1/2	2-1/2	2-1/2
OV	2133	1911	2434	1786
RPM	647	1009	1500	667
BHP	9.48	4.74	4.79	3.53
FAN	25"	16.5"	13.5"	15"
MOTOR HP	10	5	5	5
VOLTAGE	208/30	208/30	208/30	208/30

VDT = VERTICAL DRAW-THRU

CONDENSATE TANK	
SIZE	50 GAL
DIMENSIONS	36" x 20"
WEIGHT	220 lb/STAND & TANK
WATER HEIGHT	5 FT

WATERS HEATERS	
CAPACITY	89 GAL
INPUT	154,000 BTU/HR
FUEL CONNECTION	1/2" GAL
EFF. AGA	70%
RECOVERY RATE AT 100°F TEMPERATURE RISE	144 GAL/HR
FLUE SIZE	6"
NO. OF BURNERS	3
WATER CONNECTION SIZE	1-1/2"
VOLTAGE	120

REVISION	STATUS	DATE	DESCRIPTION	BY

MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN

EQUIPMENT PERFORMANCE SCHEDULES

DATE 7/84 DESIGNED [Signature] DRAWN GB CHECKED [Signature] DRAWING NO. DEC-WI-927-503.0

M42

# LEGEND

FLUORESCENT LIGHTING FIXTURE, SOLID CIRCLE INDICATES EMERGENCY FIXTURE

- S SINGLE POLE LIGHT SWITCH
- S<sub>3</sub> THREE WAY LIGHT SWITCH
- WP SUBSCRIPT WP INDICATES WEATHERPROOF SWITCH
- SD DOOR SWITCH

- CEILING MOUNTED RECEPTACLE
- DUPLEX RECEPTACLE - 125V
- DUPLEX RECEPTACLE - SPLIT WIRED - TWO 125V CIRCUITS
- DUPLEX RECEPTACLE - 250V
- GFI GROUND FAULT INTERRUPTER RECEPTACLE
- WP WATERPROOF DUPLEX RECEPTACLE (MOUNTING HEIGHT OF 2ft - 6in)
- MULTIOUTLET RACEWAY

- ma MANUAL FIRE ALARM STATION
- sd SMOKE DETECTOR
- fb FIRE ALARM BUZZER
- fh FIRE ALARM HORN
- x FIRE ALARM ZONE NUMBER (X-ZONE NUMBER)
- fa FIRE ALARM REMOTE ANNUNCIATOR
- fc FIRE ALARM CONTROL PANEL

- TELEPHONE OUTLET
- tp TELEPHONE PANEL
- NOTE SYMBOL

- T LIGHTING CONTROL DIAGRAM - SEE SHEET E-9
- S SHOWER CONTROL DIAGRAM - SEE SHEET E-9

3/4" CONDUIT UNLESS OTHERWISE NOTED. SHORT CROSS-HATCHES INDICATE NUMBER OF No.10 WIRES. NO CROSS-HATCHES INDICATE 2 No.10 WIRES. CROSS-HATCH WITH DOT INDICATES No.10 GROUND WIRE.

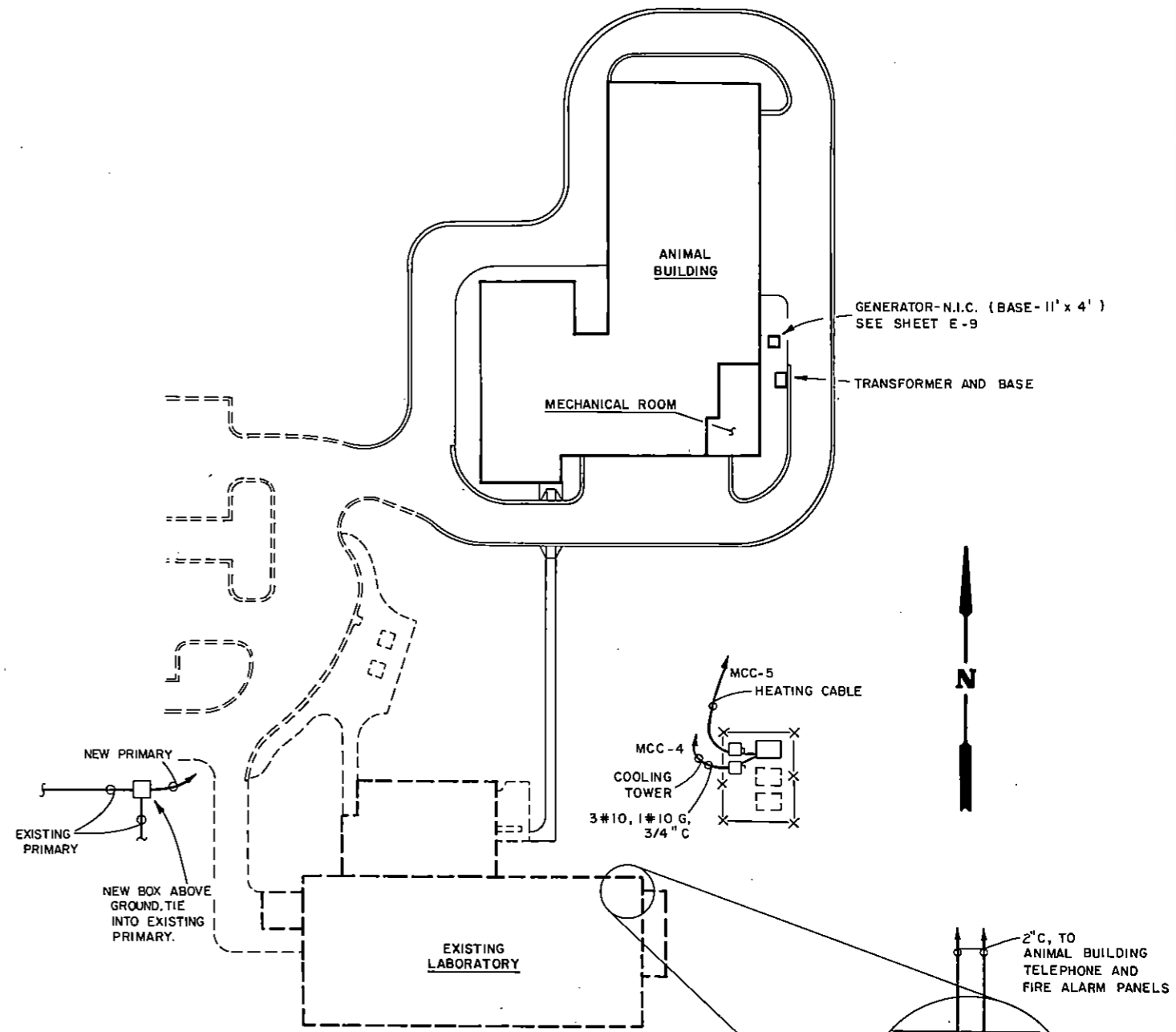
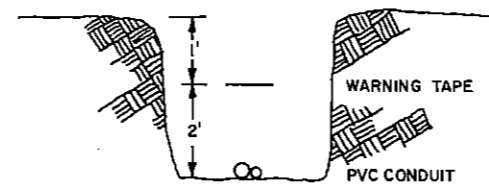
CIRCUIT CONCEALED IN WALL OR CEILING, CIRCUIT CAN BE EXPOSED IN MECHANICAL ROOMS AND MECHANICAL CHASES.

CIRCUIT EXPOSED.

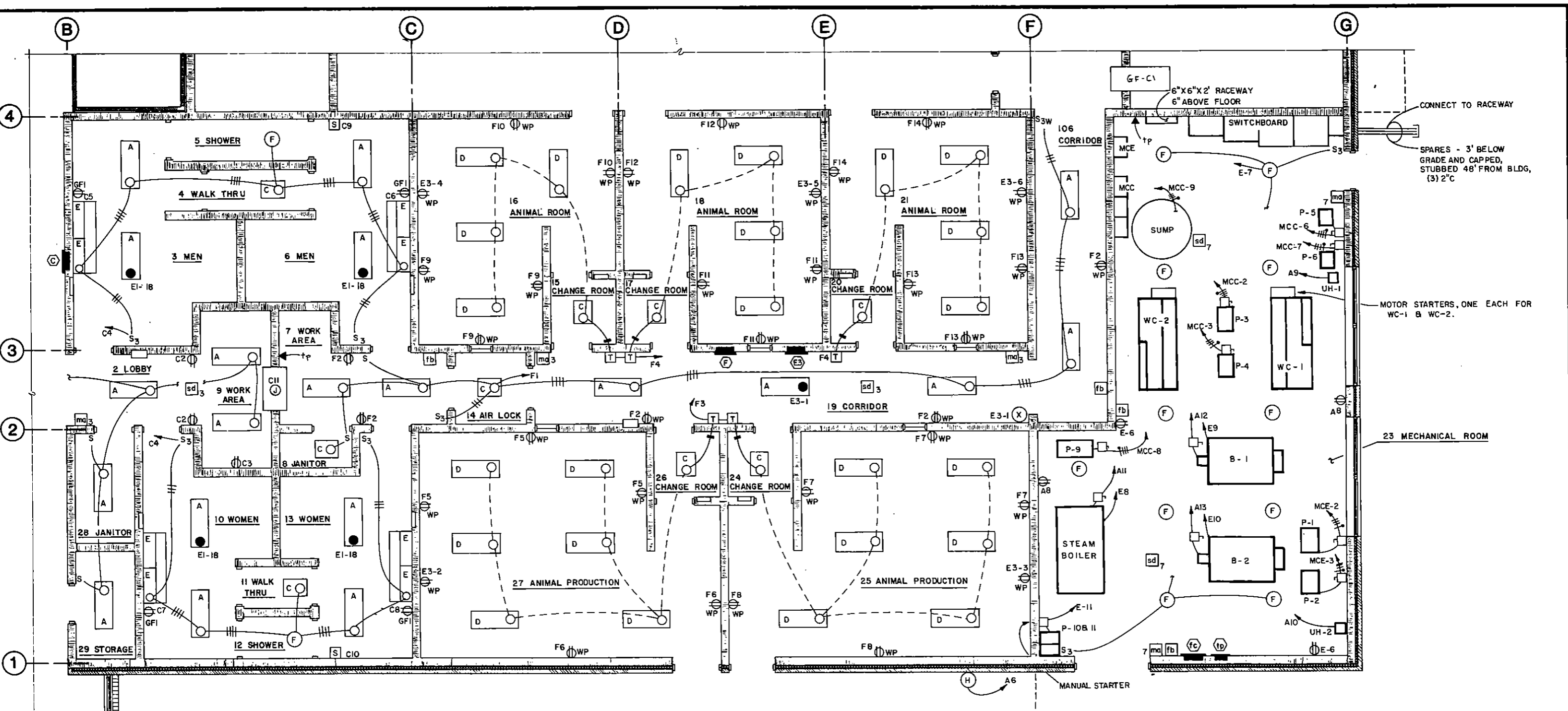
UNDERGROUND BURIAL

- PANELBOARD SYMBOLS, FLUSH MOUNTED
- JUNCTION BOX
- DISCONNECT
- COIL
- CONTACT
- GFP GROUND FAULT PROTECTION

- VALVE
- FOS FUEL OIL SUPPLY
- FOR FUEL OIL RETURN



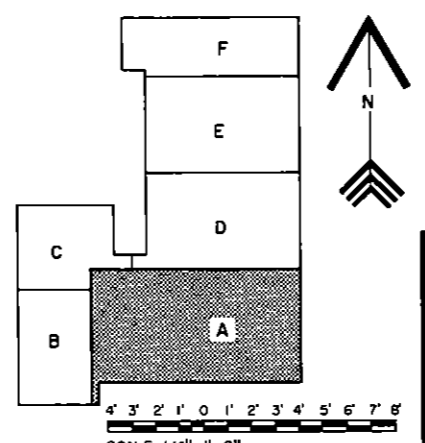
REVISION	STATUS	DATE	DESCRIPTION	BY
MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN				LEGEND AND SITE PLAN
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	GJL	GJL	BA	DEC-WI-927-504.0



CONNECT TO RACEWAY  
 SPARES - 3' BELOW GRADE AND CAPPED, STUBBED 48" FROM BLDG, (3) 2" C

MOTOR STARTERS, ONE EACH FOR WC-1 & WC-2.

23 MECHANICAL ROOM



REVISION	STATUS	DATE	DESCRIPTION	BY

**MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN**

**ELECTRICAL PLAN 'A'**

DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	GJL	GJL	BA	DEC-WI-927-505 A

E3



8

A

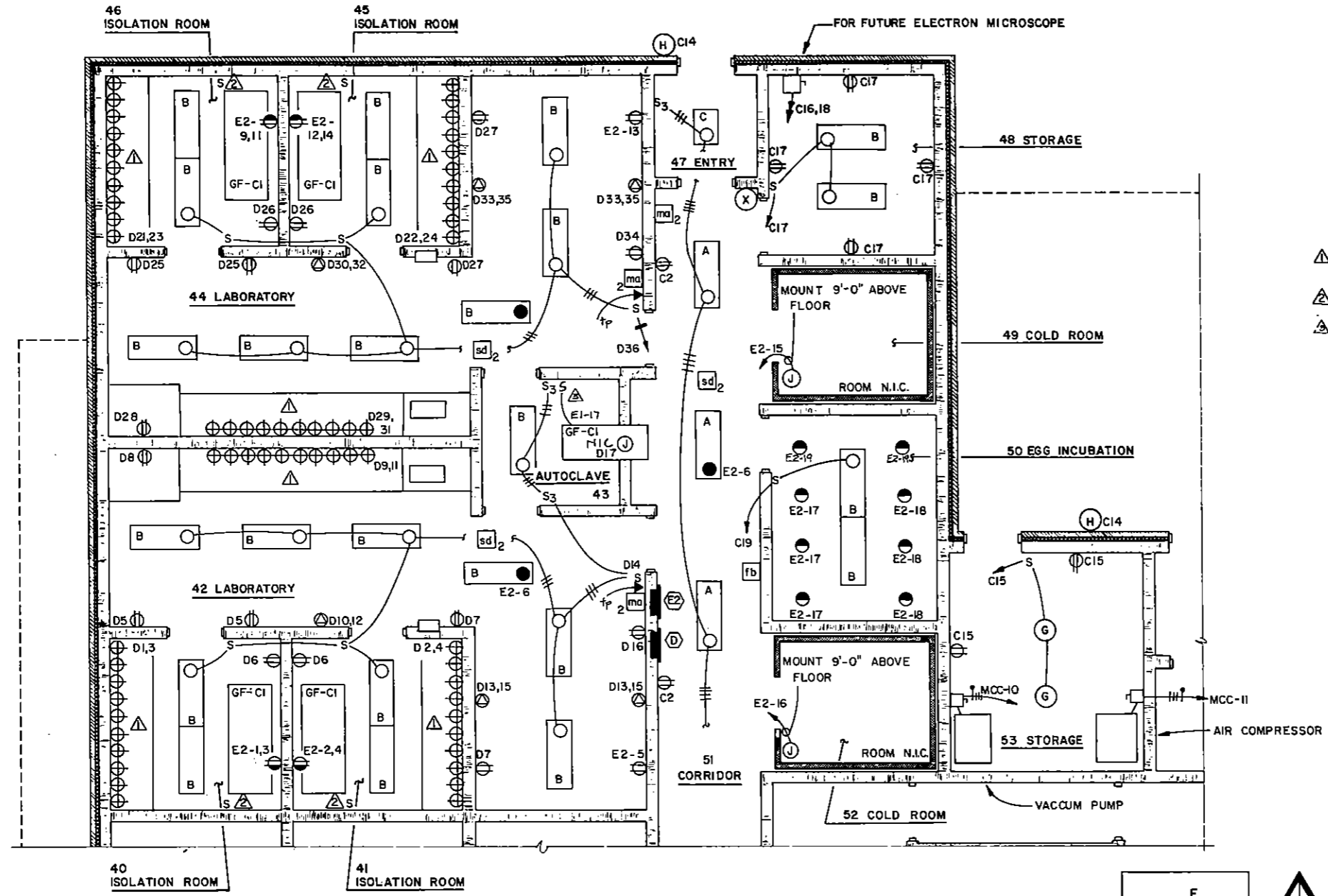
B

7

6

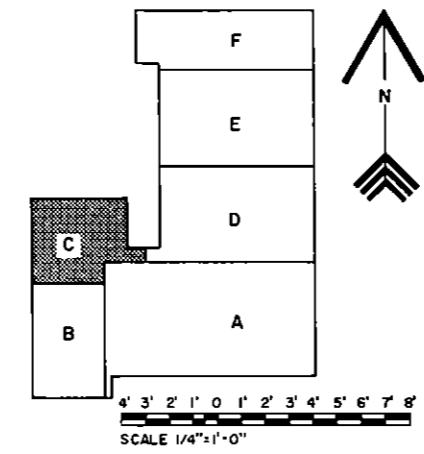
5

4



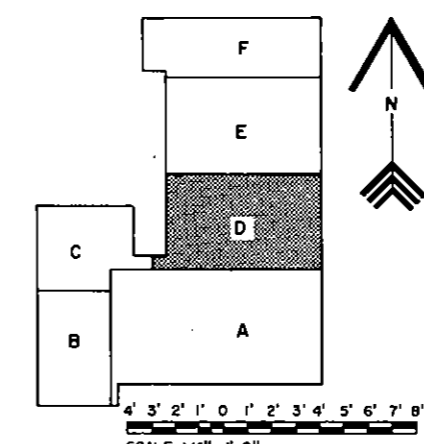
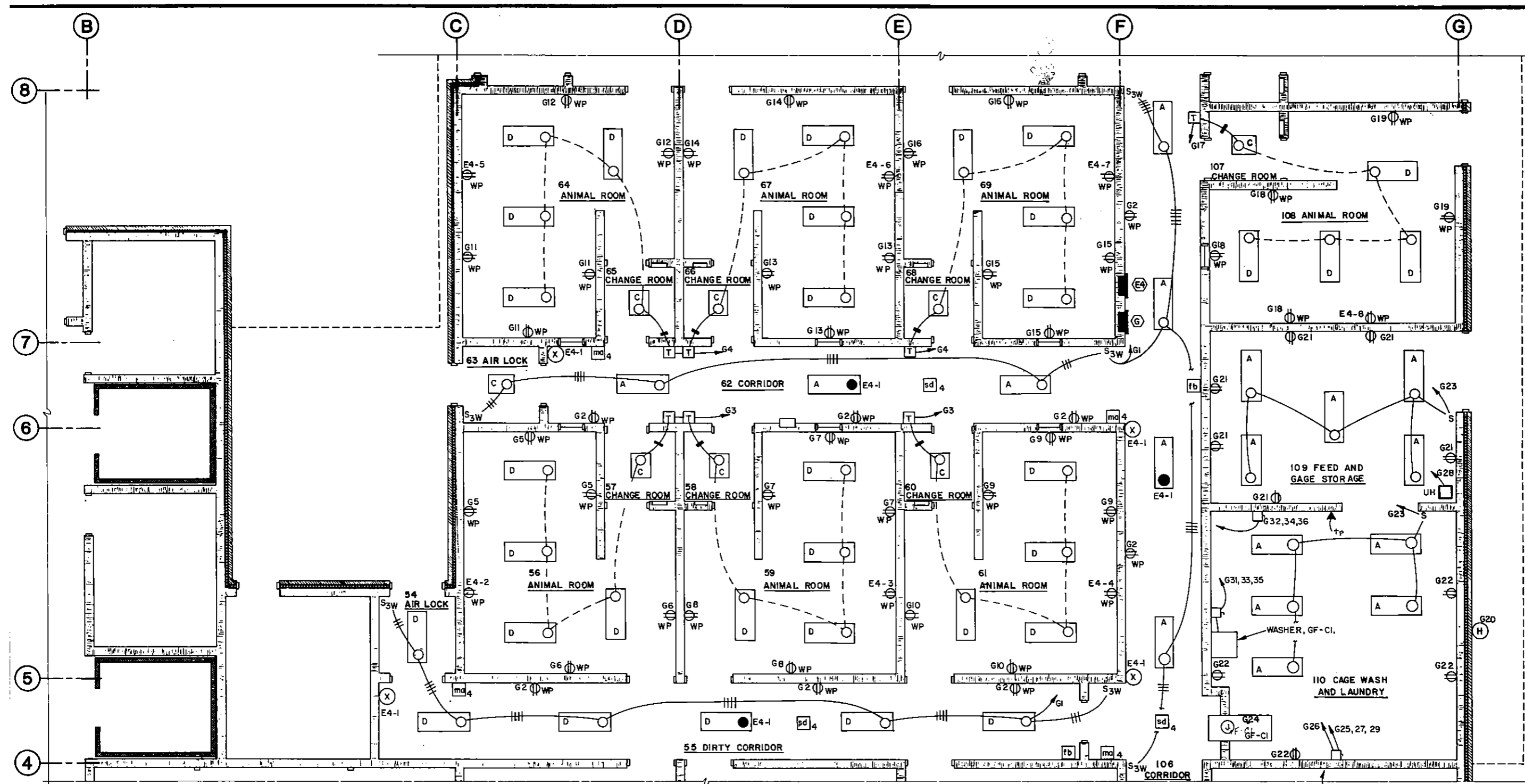
**NOTES**

- ▲ MOUNT TWO TYPE 'I' LIGHTS UNDER CABINETS. PROVIDE POWER FROM CIRCUITS CONNECTED TO MULTIOUTLET RACEWAY BELOW LIGHTS.
- ▲ PROVIDE ON-OFF CONTROL FOR BIO-SAFETY WITH WALL SWITCH.
- ▲ CONNECT RF-49 MOTOR STARTER THROUGH WALL SWITCH



REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				<b>ELECTRICAL PLAN 'C'</b>
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	G.J.L.	G.J.L.	BA	DEC-WI-927-507.0

**DE**



REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY</b> <b>ANIMAL ISOLATION BUILDING</b> <b>MADISON, WISCONSIN</b>				
<b>ELECTRICAL PLAN 'D'</b>			<b>DEC-WI-927-508 .0</b>	
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	GJL	GJL	BA	DEC-WI-927-508 .0

**ES**

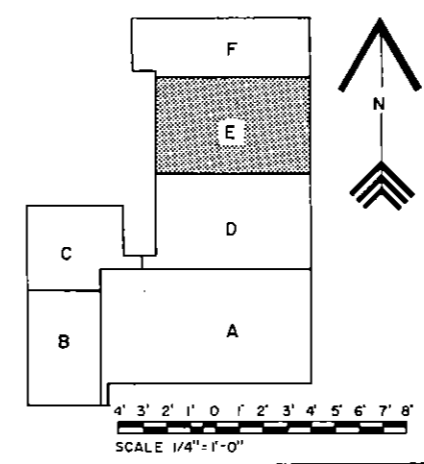
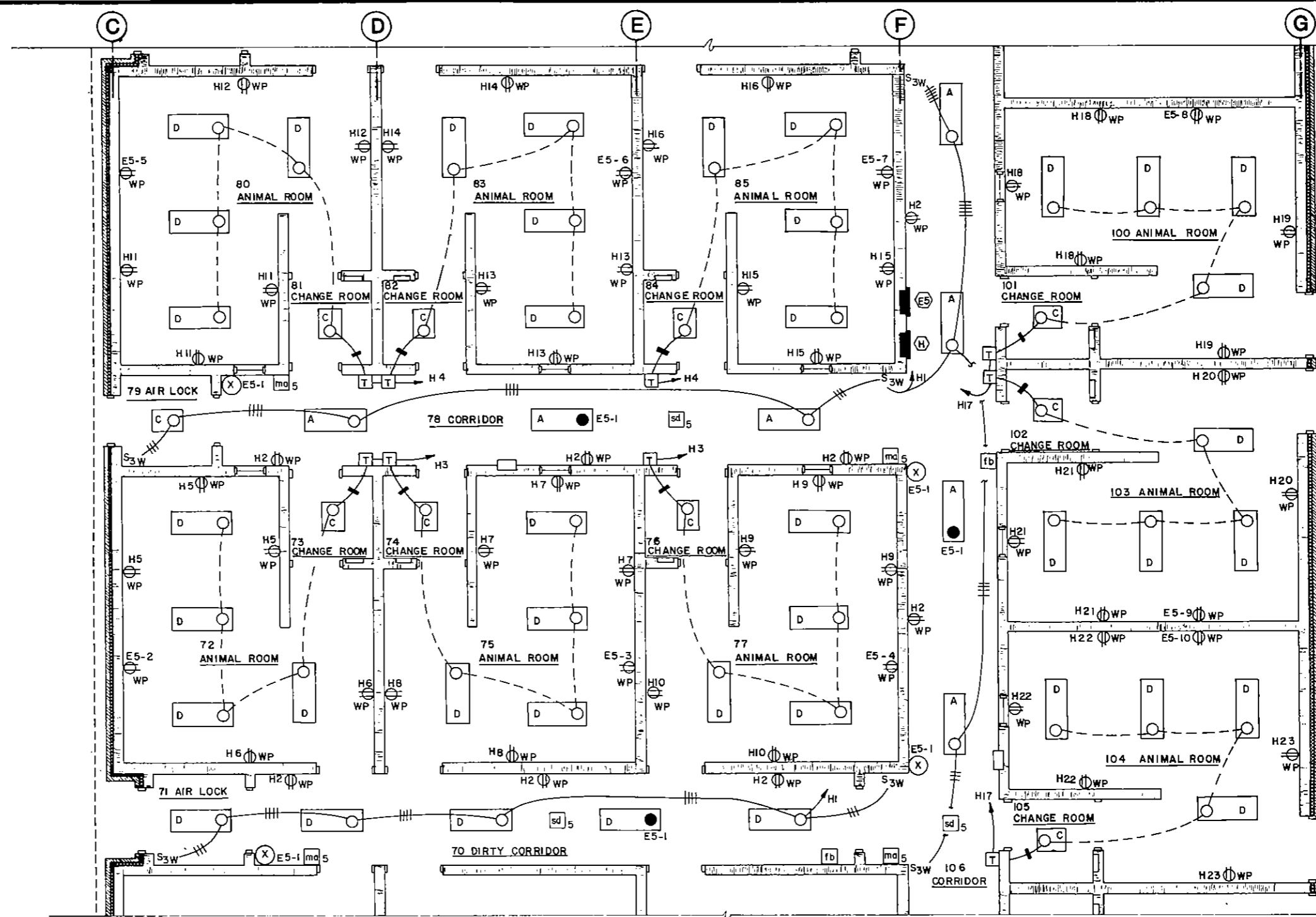
12

11

10

9

8

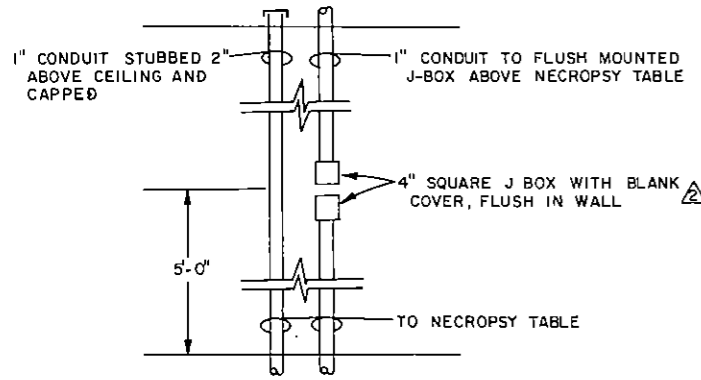
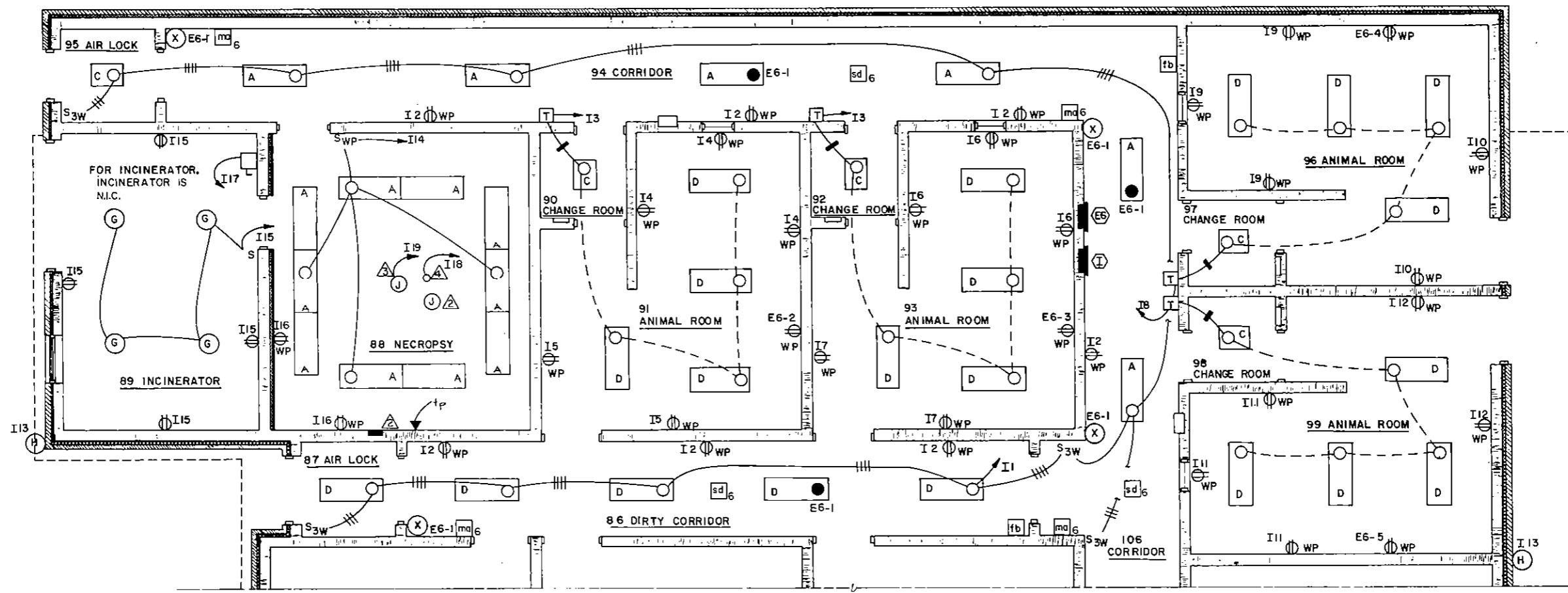


REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY</b> <b>ANIMAL ISOLATION BUILDING</b> <b>MADISON, WISCONSIN</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	GJL	GJL	BA	DEC-WI-927-509.0

**EG**

**ELECTRICAL PLAN 'E'**

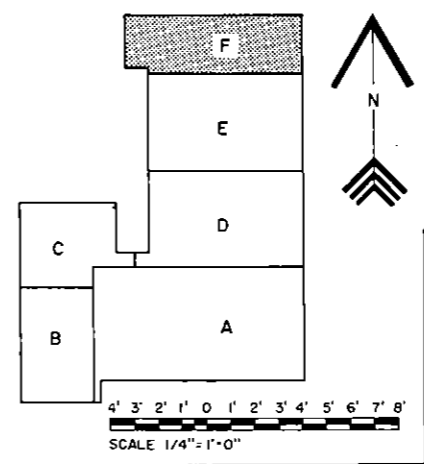
DEC-WI-927-509.0



**SOUND SYSTEM J-BOX DETAIL**  
NOT TO SCALE

**NOTES**

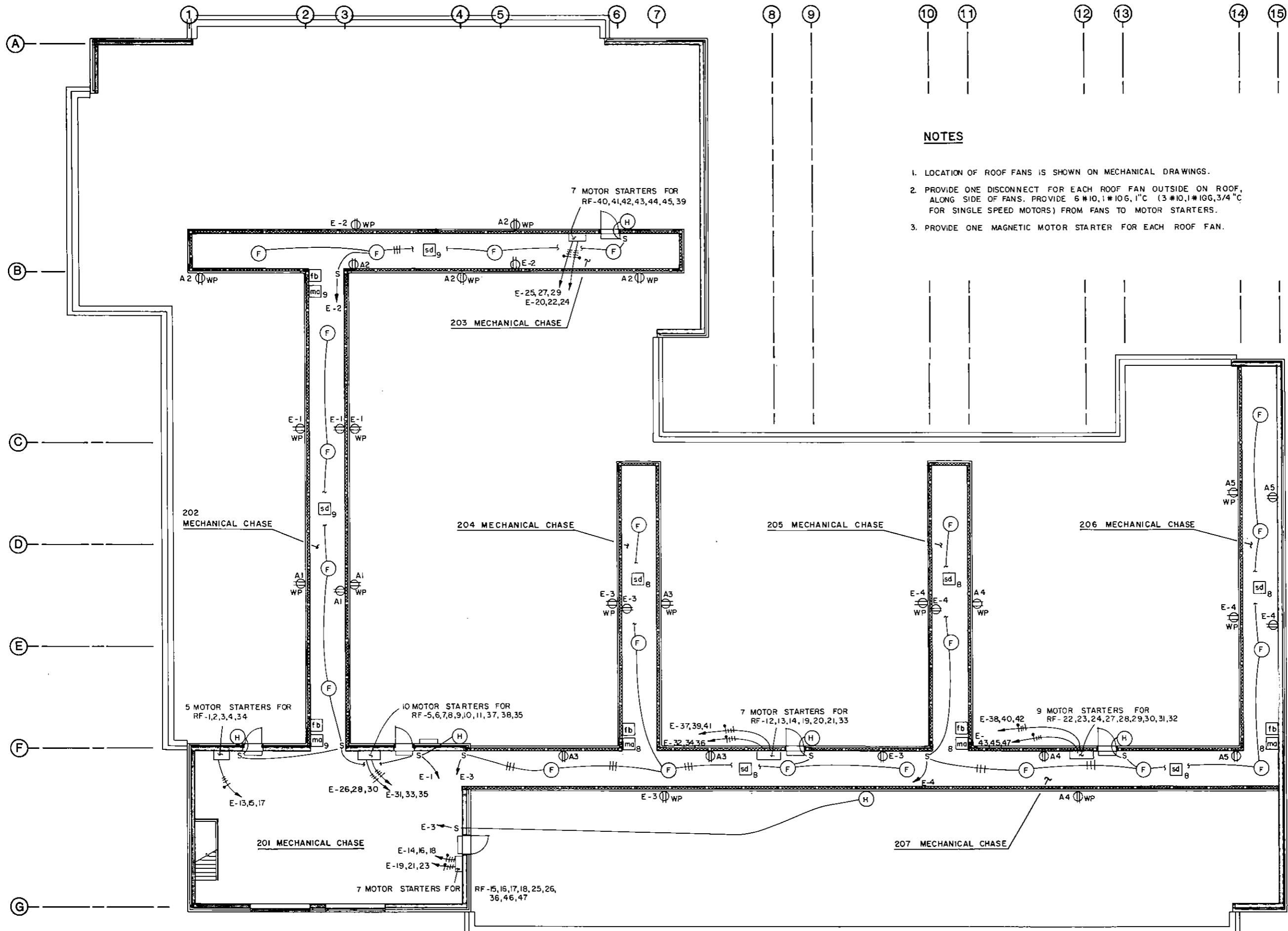
- ▲ PROVIDE 11 TYPE 'I' LIGHTS IN NECROPSY ROOM. PROVIDE POWER FROM CIRCUIT I14. MOUNT ONE LIGHT UNDER EACH CABINET.
- ▲ BOXES PROVIDED FOR NECROPSY SOUND SYSTEM.
- ▲ BOX IS FOR FUTURE NECROPSY LIGHT, MOUNTED ON CEILING.
- ▲ CIRCUIT I18 IS PROVIDED FOR THE NECROPSY TABLE, TABLE IS N.I.C. PROVIDE BOX IN FLOOR



REVISION	STATUS	DATE	DESCRIPTION	BY
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>				<b>ELECTRICAL PLAN 'F'</b>
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	GJL	GJL	BA	DEC-WI-927-510.4

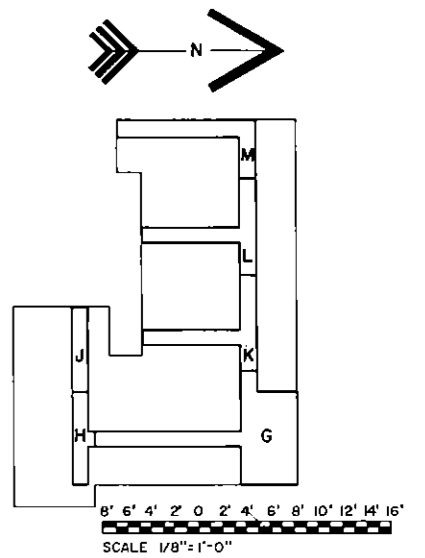






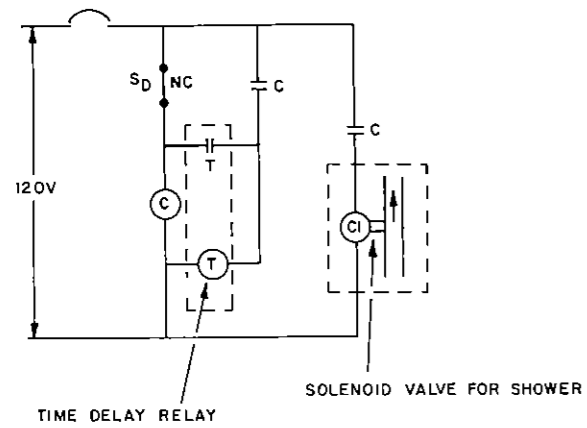
**NOTES**

1. LOCATION OF ROOF FANS IS SHOWN ON MECHANICAL DRAWINGS.
2. PROVIDE ONE DISCONNECT FOR EACH ROOF FAN OUTSIDE ON ROOF, ALONG SIDE OF FANS. PROVIDE 6 #10, 1 #10G, 1" C (3 #10, 1 #10G, 3/4" C FOR SINGLE SPEED MOTORS) FROM FANS TO MOTOR STARTERS.
3. PROVIDE ONE MAGNETIC MOTOR STARTER FOR EACH ROOF FAN.

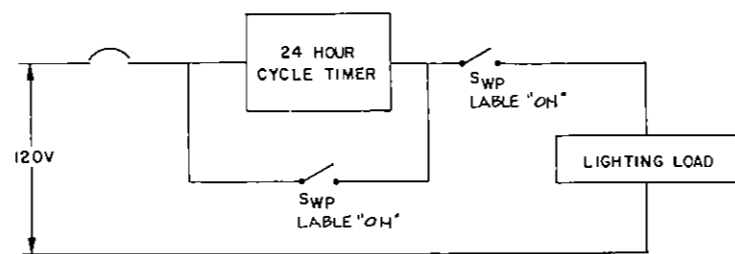


REVISION	STATUS	DATE	DESCRIPTION	BY
<b>ELECTRICAL SECOND FLOOR</b>				
MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN			CHECKED BA	DRAWING NO. DEC-WI-927-510
DATE 7/84	DESIGNED G/JL	DRAWN G/JL		

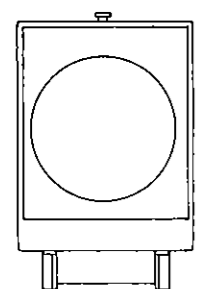




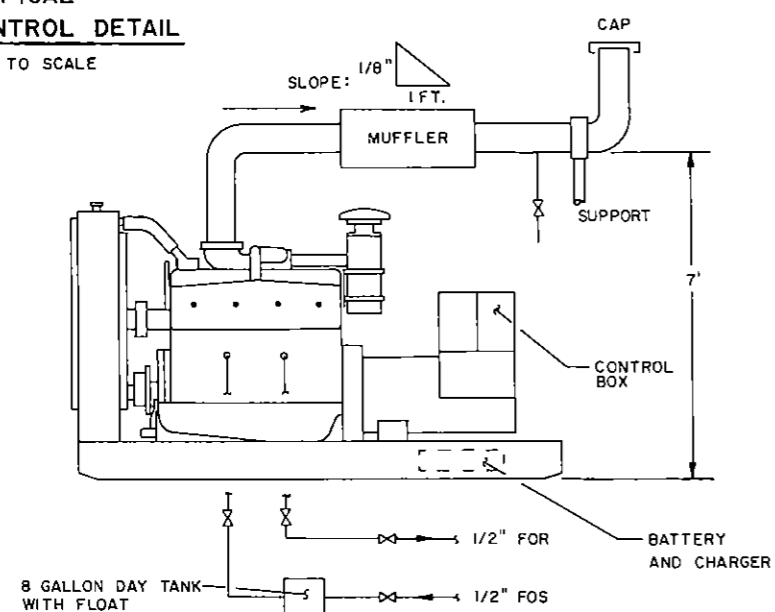
**TYPICAL SHOWER CONTROL DETAIL**  
NOT TO SCALE



**TYPICAL LIGHTING CONTROL DETAIL**  
NOT TO SCALE



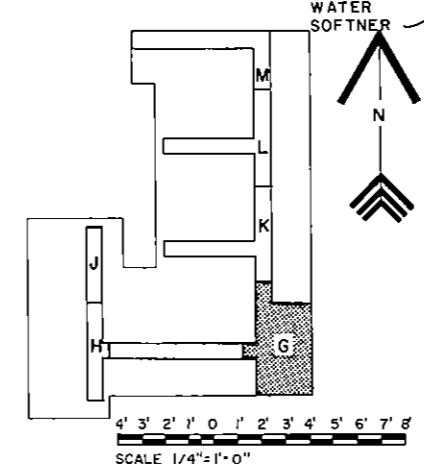
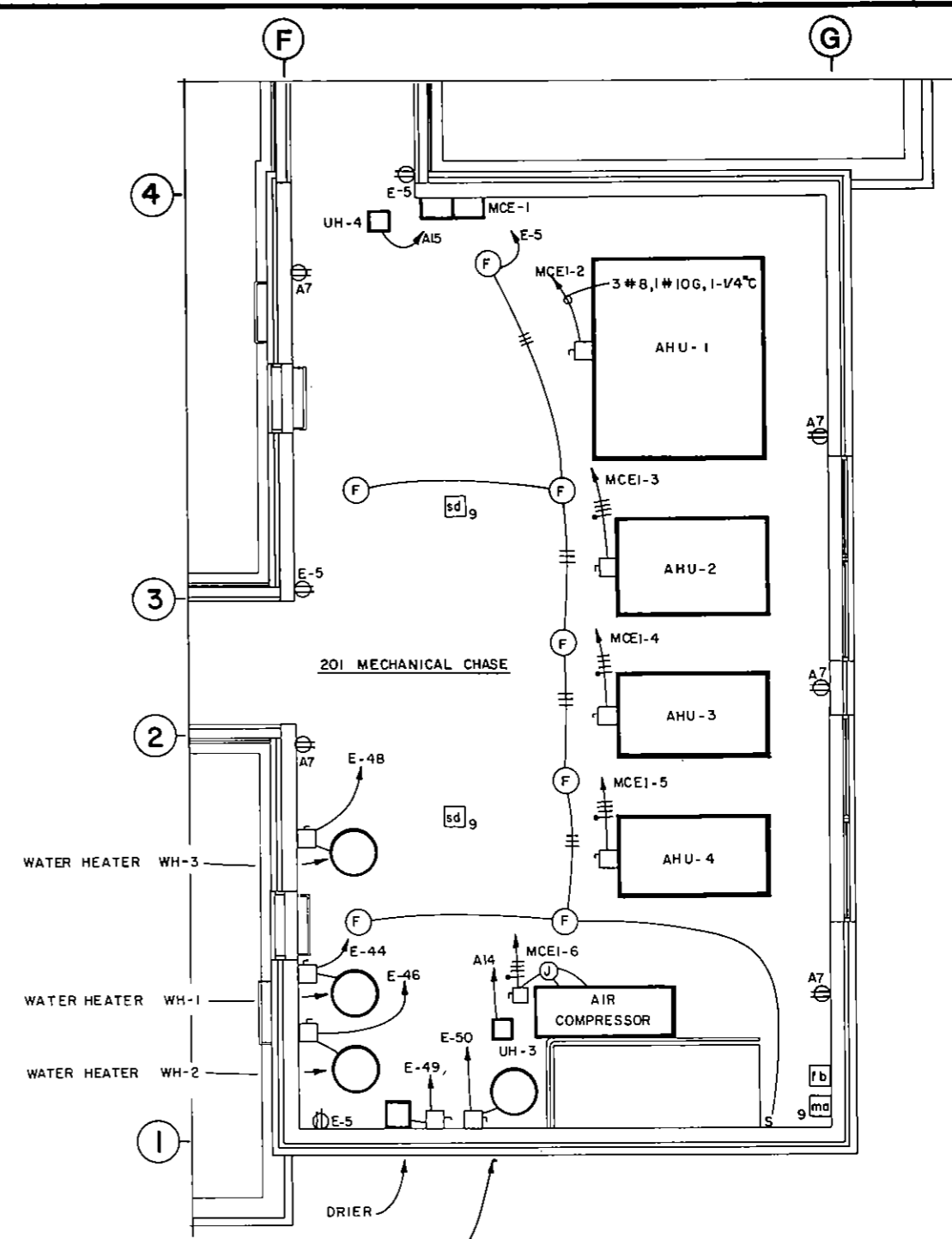
**FRONT VIEW**



**GENERATOR DETAIL**  
NOT TO SCALE

**NOTES**

- ▲ LOCATE CONTROLS IN CEILING WITH ACCESS PANEL PROVIDED.
- ▲ GENERATOR IS N.I.C.



REVISION	STATUS	DATE	DESCRIPTION	BY	
<b>MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN</b>					
<b>SECOND FLOOR MECHANICAL CHASE AND DETAILS</b>			<b>DATE 7/84</b>		
DESIGNED	GJL	DRAWN	GJL	CHECKED	BA
<b>DRAWING NO. DEC-WI-927-512.0</b>				<b>SCALE 1/4"=1'-0"</b>	

**93**

**LIGHTING FIXTURE SCHEDULE**

ROOM NO.	FIXTURE TYPE	NO. REQ'D	MOUNTING HT.	COMMENTS
1	—	—	—	NOT USED
2	A	1	7'-6"	
3	A E	2 2	7'-6" 6'-5"	WALL MOUNTED
4	C	1	7'-6"	
5	F	1	7'-6"	
6	A E	2 2	7'-6" 6'-5"	WALL MOUNTED
7	A	2	7'-6"	
8	C	1	7'-6"	
9	A	2	7'-6"	
10	A E	2 2	7'-6" 6'-5"	WALL MOUNTED
11	C	1	7'-6"	
12	F	1	7'-6"	
13	A E	2 2	7'-6" 6'-5"	WALL MOUNTED
14	C	1	7'-6"	
15	C	1	7'-6"	
16	D	4	11'-0"	
17	C	1	7'-6"	
18	D	4	11'-0"	
19	A X	3 1	7'-6" 7'-0"	
20	C	1	7'-6"	
21	D	4	11'-0"	
22	—	—	—	NOT USED
23	F	11	8'-6"	
24	C	1	7'-6"	
25	D	6	11'-0"	
26	C	1	7'-6"	
27	C	6	11'-0"	
28	A	1	7'-6"	
29	A	1	7'-6"	
30	—	—	—	NO LIGHTS
31	—	—	—	NO LIGHTS
32	B	7	9'-0"	
33	B I	6 2	9'-0"	
34	B I	2 2	9'-0"	
35	B I	2 2	9'-0"	
36	B	1	9'-0"	
37	B I	6 2	9'-0"	
38	B I	2 2	9'-0"	
39	B I	2 2	9'-0"	
40	B I	2 2	9'-0"	
41	B I	2 2	9'-0"	
42	B I	6 2	9'-0"	
43	B	1	9'-0"	
44	B I	6 2	9'-0"	
45	B I	2 2	9'-0"	
46	B I	2 2	9'-0"	
47	C	1	7'-6"	

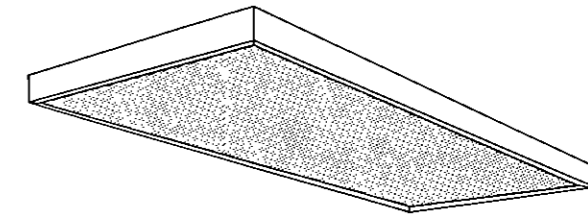
**LIGHTING FIXTURE SCHEDULE**

ROOM NO.	FIXTURE TYPE	NO. REQ'D	MOUNTING HT.	COMMENTS
48	B	2	9'-0"	
49	—	—	—	
50	B	2	9'-0"	
51	A X	8 2	7'-6" 7'-0"	
52	—	—	—	
53	G	2	11'-0"	
54	D	1	11'-0"	
55	D X	5 1	11'-0" 10'-0"	
56	D	4	11'-0"	
57	C	1	7'-6"	
58	C	1	7'-6"	
59	D	4	11'-0"	
60	C	1	7'-6"	
61	D	4	11'-0"	
62	A X	3 1	7'-6" 7'-0"	
63	C	1	7'-6"	
64	D	4	11'-0"	
65	C	1	7'-6"	
66	C	1	7'-6"	
67	D	4	11'-0"	
68	C	1	7'-6"	
69	D	4	11'-0"	
70	D X	4 1	11'-0" 10'-0"	
71	D	1	11'-0"	
72	D	4	11'-0"	
73	C	1	7'-6"	
74	C	1	7'-6"	
75	D	4	11'-0"	
76	C	1	7'-6"	
77	D	4	11'-0"	
78	A X	3 1	7'-6" 7'-0"	
79	C	1	7'-6"	
80	D	4	11'-0"	
81	C	1	7'-6"	
82	C	1	7'-6"	
83	D	4	11'-0"	
84	C	1	7'-6"	
85	D	4	11'-0"	
86	D X	4 1	11'-0" 10'-0"	
87	D	1	11'-0"	
88	A I	10 11	9'-0"	
89	G	4	11'-0"	
90	C	1	7'-6"	
91	D	4	11'-0"	
92	C	1	7'-6"	
93	D	4	11'-0"	
94	A X	4 1	7'-6" 7'-0"	

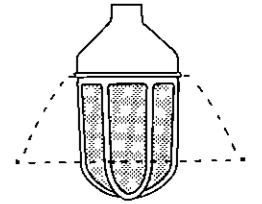
**LIGHTING FIXTURE SCHEDULE**

ROOM NO.	FIXTURE TYPE	NO. REQ'D	MOUNTING HT.	COMMENTS
95	C	1	7'-6"	
96	D	4	11'-0"	
97	C	1	7'-6"	
98	C	1	7'-6"	
99	D	4	11'-0"	
100	D	4	11'-0"	
101	C	1	7'-6"	
102	C	1	7'-6"	
103	D	4	11'-0"	
104	D	4	11'-0"	
105	C	1	7'-6"	
106	A X	12 6	7'-6" 7'-0"	
107	C	1	7'-6"	
108	D	4	11'-0"	
109	A	5	11'-0"	
110	A	5	11'-0"	
OUT-SIDE	H	7	7'-0"	△

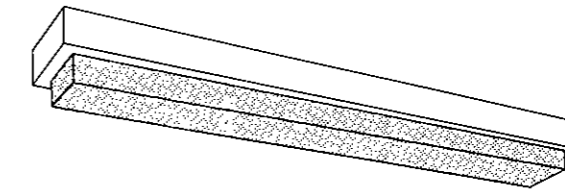
201	F	7	10'-10"	
202	F	4	7'-10"	
203	F	4	7'-10"	
204	F	2	7'-10"	
205	F	2	7'-10"	
206	F	3	7'-10"	
207	F	7	7'-10"	
OUT-SIDE	H	5	7'-0"	



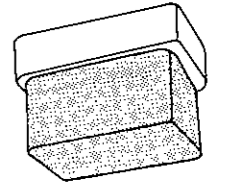
TYPE 'A', 'B', & 'C'



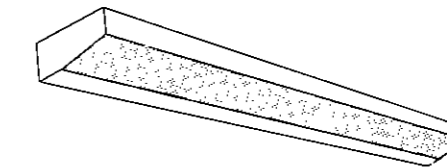
TYPE 'F' & 'G'



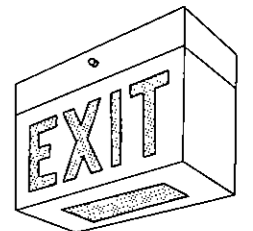
TYPE 'D'



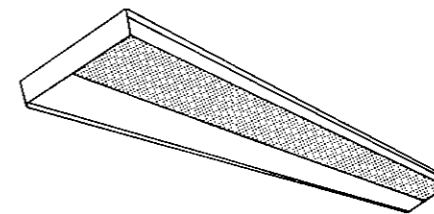
TYPE 'H'



TYPE 'E'



TYPE 'X'



TYPE 'I'

**LIGHTING FIXTURE DETAILS**

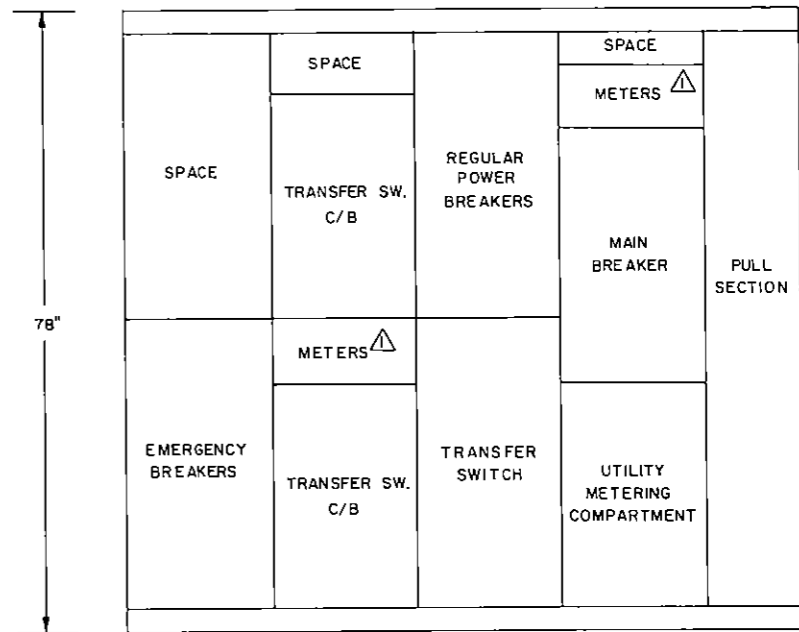
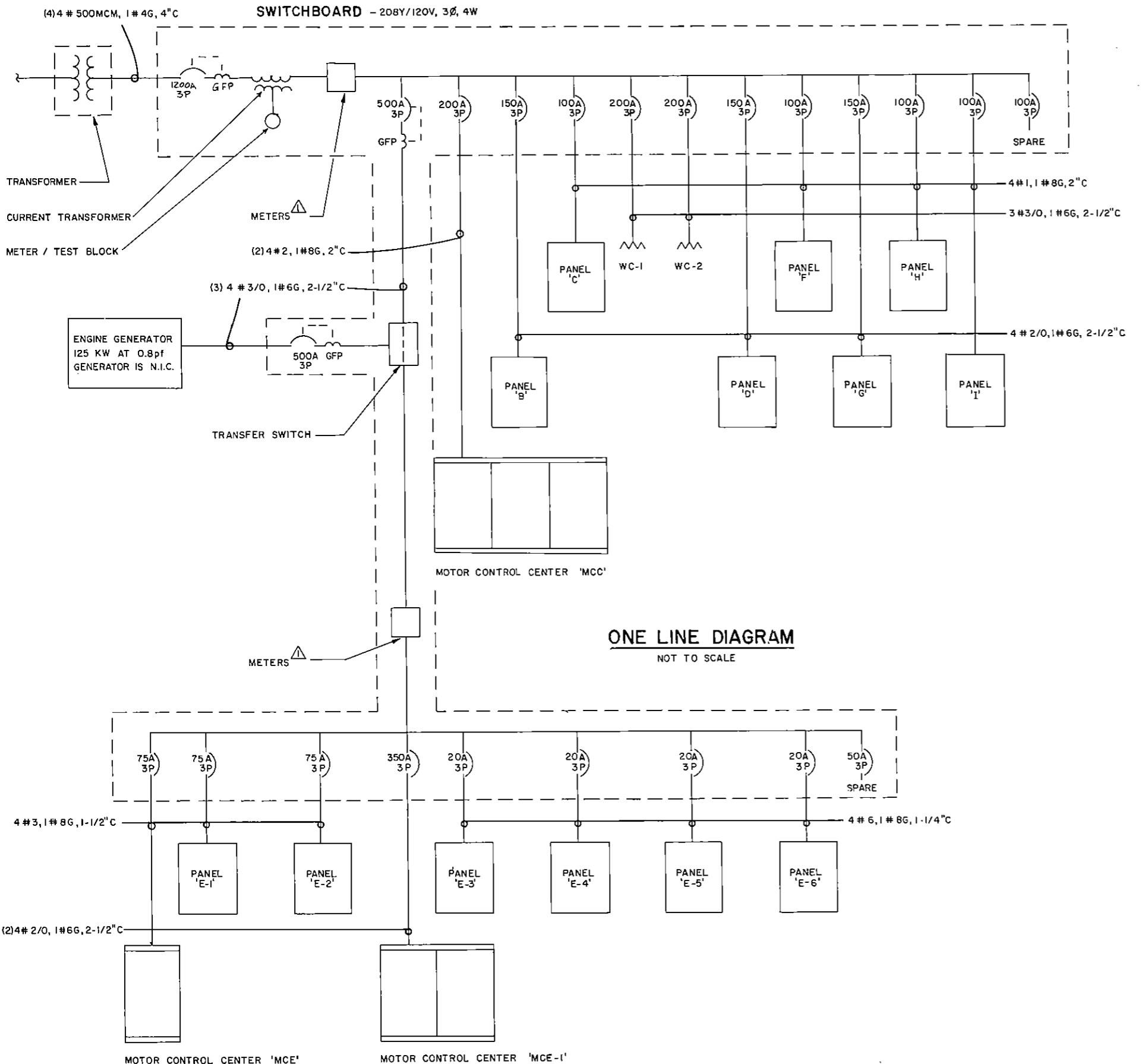
NOT TO SCALE

**NOTES**

△ MOUNT UNDER OVERHANG WHEN AVAILABLE, OTHERWISE MOUNT ON WALL.

REVISION	STATUS	DATE	DESCRIPTION	BY
MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN				
DATE 7/84			DESIGNED GJL	DRAWN GJL
CHECKED BA			DRAWING NO. DEC-WI-927-513.0	

**ONE**



**SWITCHBOARD**  
NOT TO SCALE

**NOTES**

△ METERS INCLUDE VOLTMETER AND AMMETER.

REVISION	STATUS	DATE	DESCRIPTION	BY
MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN				
<b>SERVICE DISTRIBUTION</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	GJL	GJL	BA	DEC-WI-927-514.0



### MOTOR CONTROL CENTER 'MCE-1'

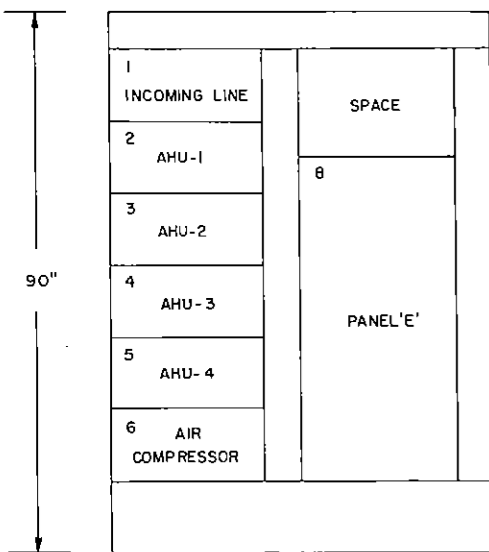
CT. NO.	ITEM SERVED	HP SIZE	NO. POLES	STARTER SIZE	FLA	TRIP			COMMENTS
1	INCOMING LINE	—	—	—	—	—			MAIN LUGS ONLY
2	AHU-1	10	3	2	30.8	90-390			
3	AHU-2	5	3	1	16.7	42-198			
4	AHU-3	5	3	1	16.7	42-198			
5	AHU-4	5	3	1	16.7	42-198			
6	AIR COMPRESSOR	2(3)	3	1	21.2	90-390			
7	PANEL 'E'	—	3	—	—	—			

### MOTOR CONTROL CENTER 'MCE'

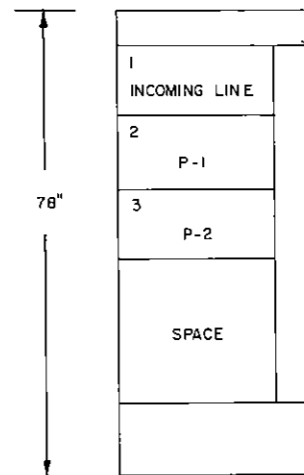
CT. NO.	ITEM SERVED	HP SIZE	NO. POLES	STARTER SIZE	FLA	TRIP			COMMENTS
1	INCOMING LINE	—	—	—	—	—			MAIN LUGS ONLY
2	P-1	3	3	1	10.6	42-198			
3	P-2	3	3	1	10.6	42-198			

### MOTOR CONTROL CENTER 'MCC'

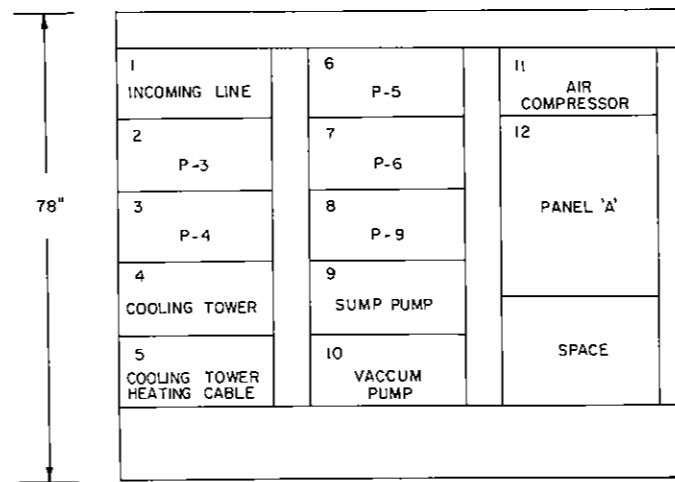
CT. NO.	ITEM SERVED	HP SIZE	NO. POLES	STARTER SIZE	FLA	TRIP			COMMENTS
1	INCOMING LINE	—	—	—	—	—			MAIN LUGS ONLY
2	P-3	3	3	1	10.6	42-198			
3	P-4	3	3	1	10.6	42-198			
4	COOLING TOWER	5	3	1	16.7	42-198			
5	COOLING TOWER HEATING CABLE	—	3	—	15	—			C/B ONLY
6	P-5	2	3	1	7.5	18-90			
7	P-6	2	3	1	7.5	18-90			
8	P-9	1	3	1	4	8-38			
9	SUMP PUMP	1	3	1	4	8-38			PROVIDE CONTROLS FOR 2 PUMPS ONLY ONE RUNNING AT A TIME
10	VACCUM PUMP	5	3	1	16.7	42-198			
11	AIR COMPRESSOR	1-1/2	3	1	5.7	18-90			
12	PANEL 'A'	—	3	—	—	—			



'MCE-1'  
NOT TO SCALE



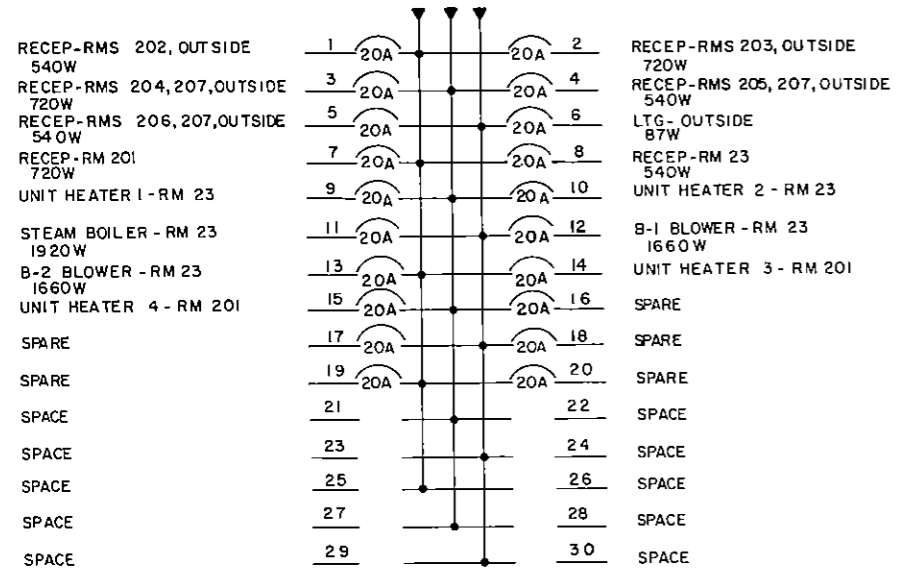
'MCE'  
NOT TO SCALE



MOTOR CONTROL CENTER 'MCC'  
NOT TO SCALE

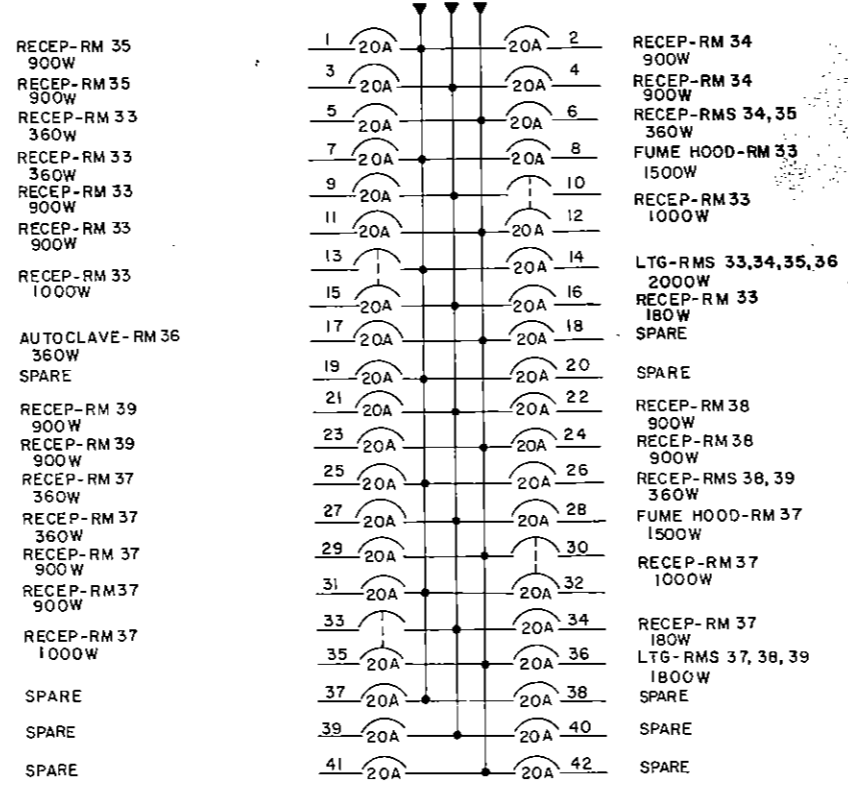
REVISION	STATUS	DATE	DESCRIPTION	BY
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			<b>MOTOR CONTROL CENTER SCHEDULES</b>	
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	GJL	GJL	BA	DEC-WI-927-515.0

E12



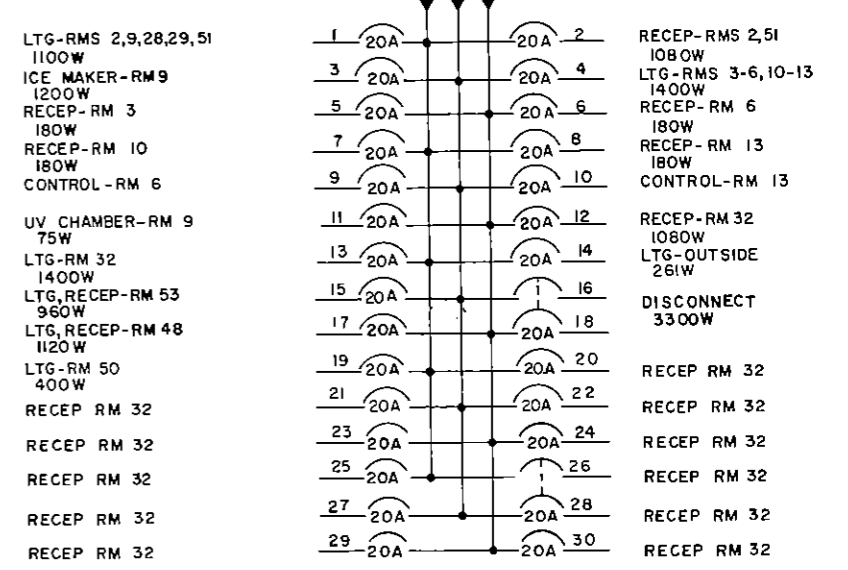
PANEL 'A'

120/208V, 3Ø, 4W, 225A, MLO, S/N, EQUIP GND  
 FLUSH MOUNTED, TOTAL CONNECTED LOAD 9,700W



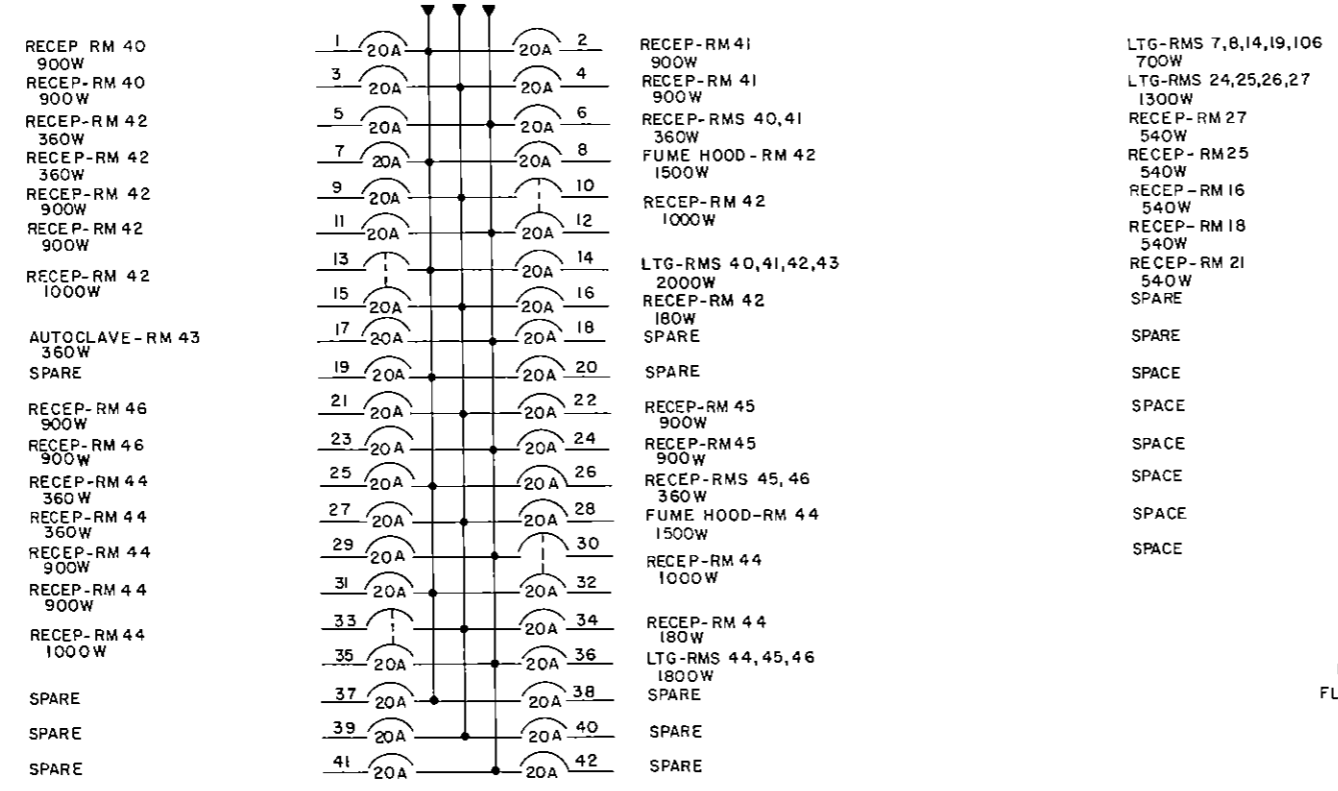
PANEL 'B'

120/208V, 3Ø, 4W, 225A, MLO, S/N, EQUIP GND  
 FLUSH MOUNTED, TOTAL CONNECTED LOAD 24,480W



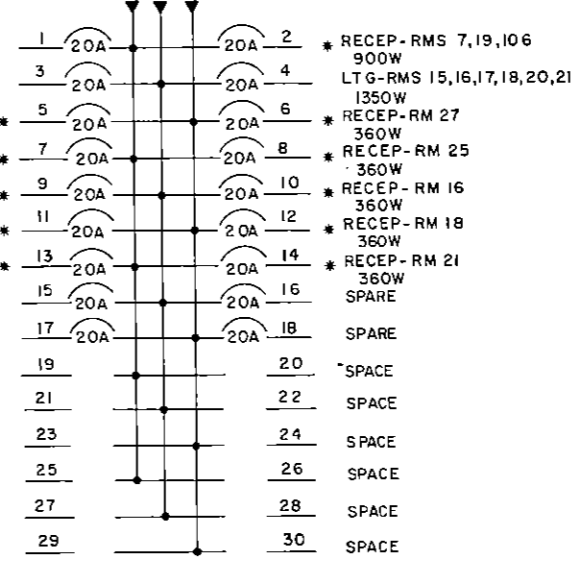
PANEL 'C'

120/208V, 3Ø, 4W, 225A, MLO, S/N, EQUIP GND  
 FLUSH MOUNTED, TOTAL CONNECTED LOAD 14,100W  
 PROVIDE A 42 SPACE PANELBOARD WITH 6 20A SPARES



PANEL 'D'

120/208V, 3Ø, 4W, 225A, MLO, S/N, EQUIP GND  
 FLUSH MOUNTED, TOTAL CONNECTED LOAD 24,480W



PANEL 'F'

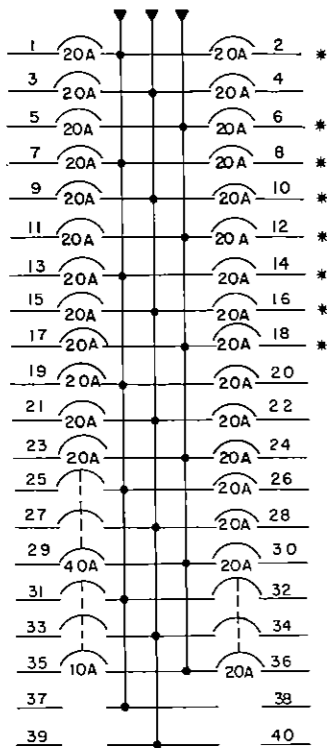
120/208V, 3Ø, 4W, 225A, MLO, S/N, EQUIP GND  
 FLUSH MOUNTED, TOTAL CONNECTED LOAD 8,750W

\* GFI BREAKER

REVISION	STATUS	DATE	DESCRIPTION	BY
MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING, MADISON, WISCONSIN				
DATE 7/84			DESIGNED GJL	DRAWN GJL
CHECKED BA			DRAWING NO. DEC-WI-927-516.0	

E13

LTG-RMS 54,55,62,63,106  
1050W  
LTG-RMS 56-61  
1350W  
RECEP-RM 56  
540W  
RECEP-RM 59  
540W  
RECEP-RM 61  
540W  
RECEP-RM 64  
540W  
RECEP-RM 67  
540W  
RECEP-RM 69  
540W  
LTG-RMS 107,108  
450W  
RECEP-RM 108  
360W  
RECEP-RM 109  
900W  
LTG-RMS 109,110  
1200W  
  
CAGE WASHER - RM 110  
10,700W  
  
WASHER - RM 110  
1000W  
  
SPACE  
  
SPACE

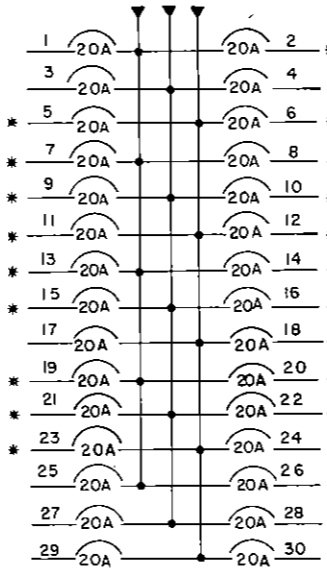


**PANEL 'G'**

120/208V, 3 $\phi$ , 4W, 225A, MLO, S/N, EQUIP GND  
FLUSH MOUNTED, TOTAL CONNECTED LOAD 34,000W  
GFI BREAKER

\* RECEP-RMS 55,62,106  
1440W  
LTG-RMS 64-69  
1350W  
\* RECEP-RM 56  
360W  
\* RECEP-RM 59  
360W  
\* RECEP-RM 61  
360W  
\* RECEP-RM 64  
360W  
\* RECEP-RM 67  
360W  
\* RECEP-RM 69  
360W  
\* RECEP-RM 108  
540W  
LTG-OUTSIDE  
87W  
RECEP-RM 110  
1080W  
AUTOCLAVE-RM 110  
360W  
CAGE WASHER - RM 110  
1800W  
UNIT HEATER - RM 109  
  
UNIT HEATER - RM 110  
  
GLASSWARE WASHER - RM 110  
5000W  
  
SPACE  
  
SPACE

LTG-RMS 71,70,78,79,106  
950W  
LTG-RMS 72-77  
1350W  
RECEP-RM 72  
540W  
RECEP-RM 75  
540W  
RECEP-RM 77  
540W  
RECEP-RM 80  
540W  
RECEP-RM 83  
540W  
RECEP-RM 85  
540W  
LTG-RMS 100-105  
1350W  
RECEP-RM 100  
360W  
RECEP-RM 103  
540W  
RECEP-RM 104  
360W  
SPARE  
  
SPARE  
  
SPARE

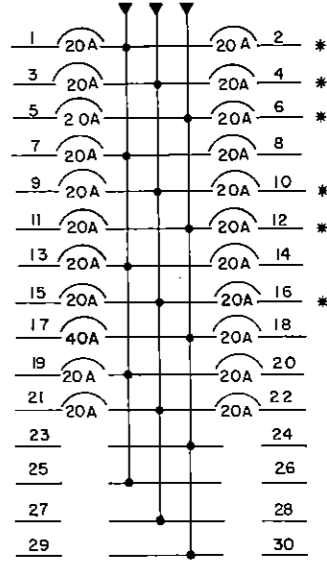


**PANEL 'H'**

120/208V, 3 $\phi$ , 4W, 225A, MLO, S/N, EQUIP GND  
FLUSH MOUNTED, TOTAL CONNECTED LOAD 14,540W  
\* GFI BREAKER

\* RECEP-RMS 70,78,106  
1440W  
LTG-RMS 80-85  
1350W  
\* RECEP-RM 72  
360W  
\* RECEP-RM 75  
360W  
\* RECEP-RM 77  
360W  
\* RECEP-RM 80  
360W  
\* RECEP-RM 83  
360W  
\* RECEP-RM 85  
360W  
\* RECEP-RM 100  
540W  
\* RECEP-RM 103  
360W  
\* RECEP-RM 104  
540W  
SPARE  
  
SPARE  
  
SPARE

LTG-RMS 86,87,94,95,106  
850W  
LTG-RMS 90,91,92,93  
900W  
RECEP-RM 91  
360W  
RECEP-RM 93  
360W  
RECEP-RM 96  
540W  
RECEP-RM 99  
540W  
LTG-OUTSIDE  
174W  
LTG, RECEP-RM 89  
1920W  
INCINERATOR RM 89  
3600W  
FUTURE NECROPSY LIGHT-RM 88  
1200W  
SPARE  
  
SPACE  
  
SPACE  
  
SPACE  
  
SPACE

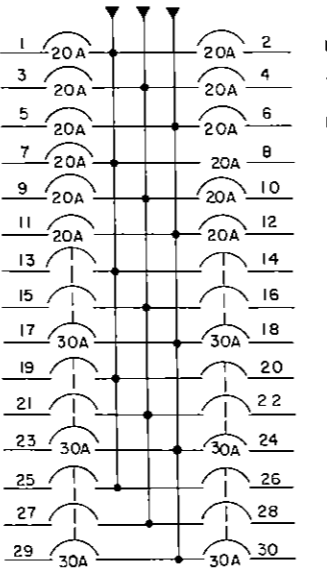


**PANEL 'I'**

120/208V, 3 $\phi$ , 4W, 225A, MLO, S/N, EQUIP GND  
FLUSH MOUNTED, TOTAL CONNECTED LOAD 16,200W  
\* GFI BREAKER

\* RECEP-RMS 86,94,106  
1260W  
\* RECEP-RM 91  
540W  
\* RECEP-RM 93  
540W  
LTG-RMS 96,97,98,99  
900W  
\* RECEP-RM 96  
360W  
\* RECEP-RM 99  
360W  
LTG-RM 88  
1200W  
\* RECEP-RM 88  
360W  
NECROPSY TABLE-RM 88  
200W + 1/3 HP  
SPARE  
  
SPACE  
  
SPACE  
  
SPACE  
  
SPACE

LTG-RMS 202,OUTSIDE  
1314W  
LTG-RMS 204,205,207,OUTSIDE  
1347W  
LTG, RECEP-RM 201  
1590W  
LTG-RM 23  
1650W  
B-1 CONTROLS-RM 23  
600W  
P10 B P11  
1400W  
  
RF-1,2,3,4,34  
4800W  
  
RF-18,25,26,36  
5136W  
  
RF-43,44,45,39  
2800W

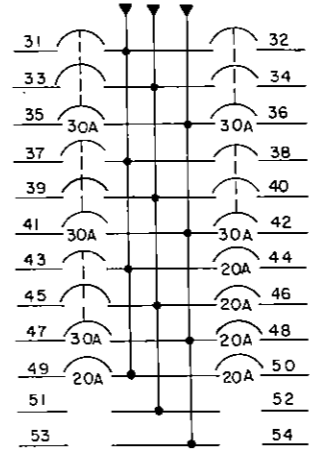


**PANEL 'E'**

120/208V, 3 $\phi$ , 4W, MLO, S/N, EQUIP GND  
TOTAL CONNECTED LOAD 66,650W

LTG-RMS 203,OUTSIDE  
1037W  
LTG-RMS 206,207,OUTSIDE  
1947W  
RECEP-RM 23  
540W  
STEAM BOILER CONTROLS-RM 23  
  
B-2 CONTROLS-RM 23  
600W  
SPARE  
  
RF-15,16,17,46,47  
4950W  
  
RF-40,41,42  
2660W  
  
RF-5,6,7,8,37  
5900W

RF-9,10,11,35,38  
5000W  
  
RF-19,20,21,33  
5000W  
  
RF-27,28,29,31,32  
5000W  
  
DRIER - RM 201  
280W  
SPACE  
  
SPACE



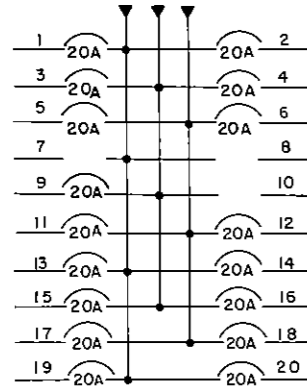
**PANEL 'E'**

RF-12,13,14  
5000W  
  
RF-22,23,24,30  
5000W  
  
WH 1 - RM 201  
790W  
WH 2 - RM 201  
790W  
WH 3 - RM 201  
790W  
\* WATER SOFTNER-RM 201  
720W  
SPACE  
  
SPACE

REVISION	STATUS	DATE	DESCRIPTION	BY
MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN				
<b>PANEL SCHEDULES</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO
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**E14**

SAFETY HOOD - RM 40  
1500W  
SAFETY HOOD - RM 40  
1500W  
RECEP - RM 42  
180W  
SPACE  
SAFETY HOOD - RM 46  
1500W  
SAFETY HOOD - RM 46  
1500W  
RECEP - RM 44  
180W  
RECEP - RM 49  
1000W  
RECEP - RM 50  
1500W  
RECEP - RM  
1500W

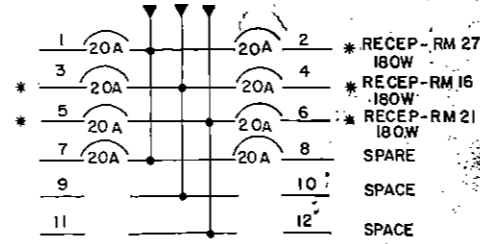


**PANEL 'E-2'**

120/208V, 3Ø, 4W, 100A, MLO, S/N, EQUIP GND  
FLUSH MOUNTED, TOTAL CONNECTED LOAD 17,960W

SAFETY HOOD - RM 41  
1500W  
SAFETY HOOD - RM 41  
1500W  
LTG - RMS 42,44,51  
600W  
SPACE  
SPACE  
SAFETY HOOD - RM 45  
1500W  
SAFETY HOOD - RM 45  
1500W  
RECEP - RM 52  
1000W  
RECEP - RM 50  
1500W  
SPARE

LTG - RMS 19  
120W  
RECEP - RM 25  
180W  
RECEP - RM 18  
180W  
SPACE  
SPACE  
SPACE

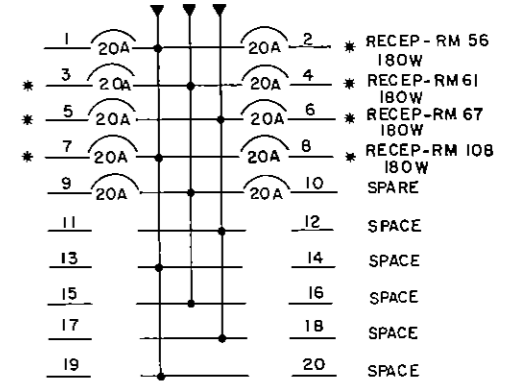


**PANEL 'E-3'**

120/208V, 3Ø, 4W, 100A, MLO, S/N, EQUIP GND  
FLUSH MOUNTED, TOTAL CONNECTED LOAD 1,020W

\* GFI BREAKER

LTG - RMS 55,62,106  
380W  
RECEP - RM 59  
180W  
RECEP - RM 64  
180W  
RECEP - RM 69  
180W  
SPACE  
SPACE  
SPACE  
SPACE  
SPACE  
SPACE

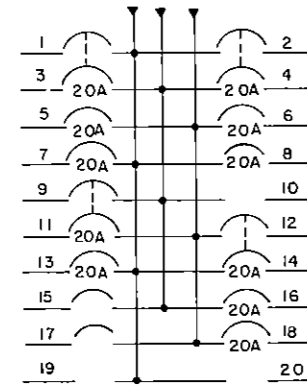


**PANEL 'E-4'**

120/208V, 3Ø, 4W, 100A, MLO, S/N, EQUIP GND  
FLUSH MOUNTED, TOTAL CONNECTED LOAD 1,640W

\* GFI BREAKER

SAFETY HOOD - RM 35  
1500W  
SAFETY HOOD - RM 35  
1500W  
RECEP - RM 33  
180W  
SPACE  
SAFETY HOOD - RM 39  
1500W  
SAFETY HOOD - RM 39  
1500W  
RECEP - RM 37  
180W  
RF - 48  
RF - 49  
SPACE

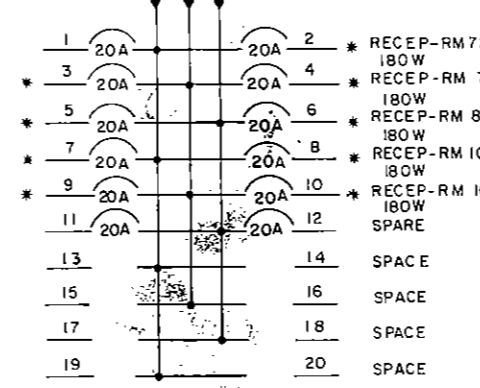


**PANEL 'E-1'**

120/208V, 3Ø, 4W, 100A, MLO, S/N, EQUIP GND  
FLUSH MOUNTED, TOTAL CONNECTED LOAD 13,360W

SAFETY HOOD - RM 34  
1500W  
SAFETY HOOD - RM 34  
1500W  
LTG - RMS 33,37,51  
600W  
RECEP - RM 32  
SPACE  
SAFETY HOOD - RM 38  
1500W  
SAFETY HOOD - RM 38  
1500W  
SPARE  
LTG - RMS 3,6,10,13  
400W  
SPACE

LTG - RMS 70,78,106  
380W  
RECEP - RM 75  
180W  
RECEP - RM 80  
180W  
RECEP - RM 85  
180W  
RECEP - RM 103  
180W  
SPACE  
SPACE  
SPACE  
SPACE  
SPACE

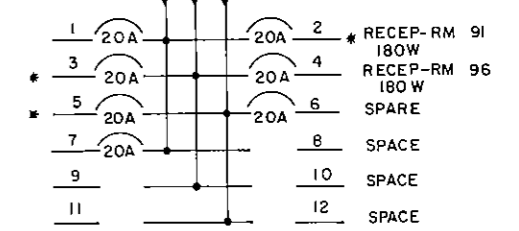


**PANEL 'E-5'**

120/208V, 3Ø, 4W, 100A, MLO, S/N, EQUIP GND  
FLUSH MOUNTED, TOTAL CONNECTED LOAD 2,000W

\* GFI BREAKER

LTG - RMS 86,94,106  
380W  
RECEP - RM 93  
180W  
RECEP - RM 99  
180W  
SPACE  
SPACE  
SPACE



**PANEL 'E-6'**

120/208V, 3Ø, 4W, 100A, MLO, S/N, EQUIP GND  
FLUSH MOUNTED, TOTAL CONNECTED LOAD 1,100W

\* GFI BREAKER

REVISION	STATUS	DATE	DESCRIPTION	BY
MADISON NATIONAL WILDLIFE HEALTH LABORATORY ANIMAL ISOLATION BUILDING MADISON, WISCONSIN				
<b>PANEL SCHEDULES</b>				
DATE	DESIGNED	DRAWN	CHECKED	DRAWING NO.
7/84	GJL	GJL	BA	DEC-WI-927-518.0

**E15**



**ATTACHMENT H: ARCHAEOLOGICAL SURVEY REPORT FOR  
1977 INVESTIGATIONS AT NWHC**

4 October 1977

REPORT OF ARCHAEOLOGICAL SURVEY

PROJECT TITLE:

Archaeological Survey of Ansul Laboratory Site and Adjacent Woods

LOCATION:

Section: T7N R9E SW $\frac{1}{2}$  of SW $\frac{1}{2}$  Section 30  
Township: Madison  
County: Dane  
State: Wisconsin

CONTACT:

Dr. Louis Locke  
U.S. Fish and Wildlife Health  
Lab  
1655 Linden Drive  
Madison, Wisconsin 53706  
608/252-5411

*letter to →*

ARCHAEOLOGIST:

T. Douglas Price  
Department of Anthropology  
5240 Social Sciences Bldg.  
University of Wisconsin  
Madison, Wisconsin 53706  
Office: 608/262-4343  
Home: 608/233-1340

PROPOSED PROJECT:

Development of a portion of a 23.7 acre tract in the Town of Madison, Dane Co., is planned for facilities for the U.S. Fish and Wildlife Health Lab. An existing structure will be rennovated. An area with a storage shed and air conditioning unit will be converted into a garage area and a large (approximately 10,000 sq. ft.) facility will be constructed in the project area. In addition, a 10 acre tract of woods to the east of the project area is to be purchased as a buffer zone. The focus of new construction activities will be in a roughly 12 acre area to the north of the existing building at the site.

SURVEY RECOMMENDATION:

Archaeological survey procedures involved the surface inspection of the entire area for the proposed construction, that is in the roughly 12 acre area north of the existing structure. In addition this area was investigated for subsurface remains using a grid of subsurface test pits spaced approximately 20 m. apart across the entire area north of the existing building. The 10 acre tract of woods was surface inspected and 6 test pits excavated at the south end of this tract near Schroeder Road. No archaeological or historical remains were encountered within the boundaries of the project area north of the existing building or within the tract of woods. The proposed development will not affect any significant archaeological or historical remains and no damage to cultural resources in the area is anticipated on the basis of the archaeological survey. If plans are changed and new facilities are proposed to the south of the existing building, a new survey would have to be conducted.

*T. Douglas Price*  
\_\_\_\_\_  
T. Douglas Price, Ph.D.

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Proposed project	3
Site Description	4
Survey procedures	5
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## PROPOSED PROJECT

Phone conversations and correspondence with Dr. Louis Locke and M. Ona Lewis of the U.S. Fish and Wildlife Health Lab (1655 Linden Drive, Madison, Wisconsin, 53706) requested an archaeological survey for the proposed purchase and development of a 23.7 acre tract of land previously owned by Ansul Laboratories. The project area is located in the SW $\frac{1}{2}$  of the SW $\frac{1}{4}$ , Section 30, T7N R9E, Town of Madison, Dane Co., Wisconsin (Fig. 1). The project area lies between Schroeder Road and the Beltline in the extreme SW $\frac{1}{2}$  of Section 30.

Conversations with Dr. Locke on the morning of the survey indicated that the project involved four major facets: (1) the renovation of the existing building (the former Ansul Lab) on the property, (2) erection of a multi-vehicle garage on a site to the northeast of the lab where a storage shed and air-conditioning unit now stand, (3) new construction of a 10,000 sq. ft. facility on the property, and (4) purchase of the woods to the east of the 23.7 acre area to act as a buffer area between the lab and the continuing development along Schroeder Road. There is no current map of the specific project area or of the location of planned construction activities because the land has not yet been purchased.

Clearly the existing building and the area planned for the garage have already been completely disturbed and could not be included in the survey. Conversation with Dr. Locke indicated that the 10,000 sq. ft. facility would most probably be built behind the existing building, that is to the north. Dr. Locke also requested a survey and partial test of the 10 acre wooded tract because of the possibility of the presence of an archaeological site in this portion of the survey area, as mentioned in a letter from Richard A. Erney, State Historic Preservation Officer at the State Historical Society.

It was agreed with Dr. Locke that the archaeological survey would thus focus on two areas within the project area: (1) the northern half of the 23.7 acre (approximately 12 acres) area where the 10,000 sq. ft. facility would most likely be erected (hereafter referred to as the north section), and (2) the wooded strip of approximately 10 acres to the east of the 23.7 acre area (hereafter referred to as the wooded tract). It is understood that in the event that the 10,000 sq. ft. facility is to be erected to the south of the existing building on the property, that a new archaeological survey would have to be conducted as this area was not included in the present survey.

## SITE DESCRIPTION

### Physical Setting

The entire project area covers approximately 35 acres running in a north-south direction from the Beltline to Schroeder Road. In the central part of the project area is a large building erected on a landscaped man-made terrace. A gravel road runs from Schroeder Road along the western edge of the property and behind this building, terminating at a storage shed and air-conditioning unit. The large building and its associated parking lot effectively divide the plot into two equal sections, north and south. Both the north and south sections are moderately dissected, hummocky grassland with rather steep slopes (10-20°) characterizing much of the area. The level tops of the knolls in the area are generally small and there is not much level land within the project area. Because of the uneven topography and the presence of abundant gravel in the soil, it is unlikely that this area has ever been plowed. Moreover, no plow zone was observed in sections or in test pits in the area.

The wooded tract along the east edge of the project area is a thick deciduous woods with abundant undergrowth. This woods narrows to the south toward Schroeder Road. The topography in the wooded tract is similar to that of the grassland with rather steep slopes and uneven terrain. The north section of the wooded tract is dominated by a large north-south oriented ridge.

One small kettlehole occurs in the northwest corner of the north section and the surface of the kettlehole is now completely filled in and also overgrown with grass. No other potential water sources were observed in the north section or in the wooded tract.

The soil in the project area is primarily characterized by the presence of abundant gravel and numerous glacial erratics. In general, as observed in the test pits and other sections, there is a thin (approximately 6") dark brown topsoil on top of the gravel, silty-clay subsoil. The gravel subsoil is almost certainly a till. On the north slopes of the knolls and in the lower areas of the north section, the dark brown humic topsoil was observed to be thicker (up to 15") and to contain much more silt. It is likely that these areas reflect more loess deposition at the close of the Pleistocene period. In general, the area would appear to represent an original Post-glacial surface, modified only by gradual Recent erosion and deposition. Any archaeological sites in the area are expected to lie very close to the surface.

One major area of disturbance was noted in the initial field inspection of the north section. A large area, approximately 100 m. in diameter, located in the west-central portion of the north section had served at one time as a gravel quarry or borrow pit for landfill. This area had been excavated into the hillside to a depth of approx. 20'. This operation resulted in the removal of the original ground surface in this portion of the north section.

### Archaeological Context

Numerous sites are reported in the Town of Madison in the Site Codification Files of the State Archaeologist, State Historical Society Building, Madison, Wisconsin. However, inspection of the site files revealed only one site located in section 30. This was also the site reported by Richard Erney in the correspondence with Dr. Locke:

- 47DA 12 The Dietz Site--an Indian village site located in the SW $\frac{1}{4}$  of the SE $\frac{1}{4}$  of Section 30, Town of Madison. The site was reported by D.A. Baerreis (Dietz, et al. 1956). Cultural features, storage pits, lithics, and ceramic materials belonging to the Woodland period are reported in an area roughly 500' north of the NW edge of the Hemmersley Marsh, some 2 $\frac{1}{2}$  miles east of Lake Wingra.

This site is located approximately 1.5 miles from the project area and could not possibly occur within the boundaries of the proposed development considered here.

### SURVEY PROCEDURES

The archaeological survey of the project area was conducted on September 23, 1977, under the direction of T. Douglas Price. Field assistants in the survey were Michael Malpass, Denise Carlevato, and Melissa Connors--graduate students in archaeology at the University of Wisconsin-Madison.

The archaeological survey in the north section of the project area involved both the surface inspection of the plot and subsurface test pitting as well as the examination of exposed sections in the gravel quarry and along the west sides of the north section. The entire north section was walked and the surface and various exposures were examined. The surface inspection provided a familiarization with the area and allowed for the observation of disturbances and the location of potential areas of archaeological significance. Specifically during the surface inspection we were looking for artifacts or surface features such as mounds. No archaeological remains were encountered during the surface investigation.

Subsurface testing was begun in the north section to reveal any buried archaeological materials. A grid of approximately 20 paced meters was used to deploy the test pits over the entire north section with the exception of the areas of disturbance in the gravel quarry and in the areas of the storage shed and air-conditioning unit. The standard test pit was approximately 50x50 cm. and was excavated into the top of the light-brown, silty-clay subsoil. The depth of the test pits varied from roughly 6-20". For each test pit, the sod was removed and examined for remains and then the test pit was skim-shoveled down to the subsoil. Approximately 40 test pits were excavated in this

manner in the north section. In most cases, the test pits were concentrated on the higher, more level areas of the north section rather than along the steeper slopes. No archaeological remains were encountered in the course of the test pit program in the north section.

The wooded tract, although not scheduled for development, was surveyed. The entire tract was surface inspected by walking four-abreast at a distance of roughly 10-15 m. down the length of the tract. This transect was repeated through the woods. No surface features, particularly mounds, were observed in the course of the surface inspection.

In addition, at the south end of the wooded tract, there is a rather high grassy knoll adjacent to Schroeder Road. Six test pits were excavated in this area, in the same manner described above, to look for possible subsurface remains. It was thought at the time that this area might be adjacent to a reported site (47DA12). No remains were found in these test pits.

The survey and testing procedures were fully sufficient in my judgement to determine the archaeological potential of the area.

#### SURVEY RESULTS

As noted above, the surface and subsurface inspection program failed to reveal any archaeological or historical remains within the area of the proposed project. The testing and surface inspection should have exposed any significant archaeological remains and none were encountered. The testing was carried to a depth that should have insured the recovery of any archaeological remains with the exception of very old and deeply buried materials. Because of the suspected age of the ground surface, any archaeological remains should have been encountered within the topsoil and they were not. For these reasons, it is unlikely that any significant archaeological remains are to be found within the area of the project.

## IMPACT AND RECOMMENDATION

### IMPACT

The proposed development and construction in the project area will not have a significant affect on any archaeological or historical remains as determined from the archaeological survey described in this report.

### RECOMMENDATION

Development of the facilities and buildings for the U.S. Fish and Wildlife Health Lab may proceed with regard to the potential destruction of cultural resources. No archaeological or historical remains were found within the area and none are expected to be disturbed by the proposed developments. This recommendation is based on the assumption that the 10,000 sq. ft. facility will be erected north of the present building on the site. If plans are changed such that construction would affect the south section of the project area, a new archaeological survey would have to be conducted.

As is always the case, unexpected archaeological materials, perhaps deeply buried, may be encountered during the course of future construction. In such an event, the office of the State Archaeologist should be notified immediately in order to mitigate the impact of construction on the materials. The office of the State Archaeologist:

Dr. Joan Freeman  
37 State Historical Society Building  
University of Wisconsin-Madison  
Madison, Wisconsin 53706  
608/ 262-9566

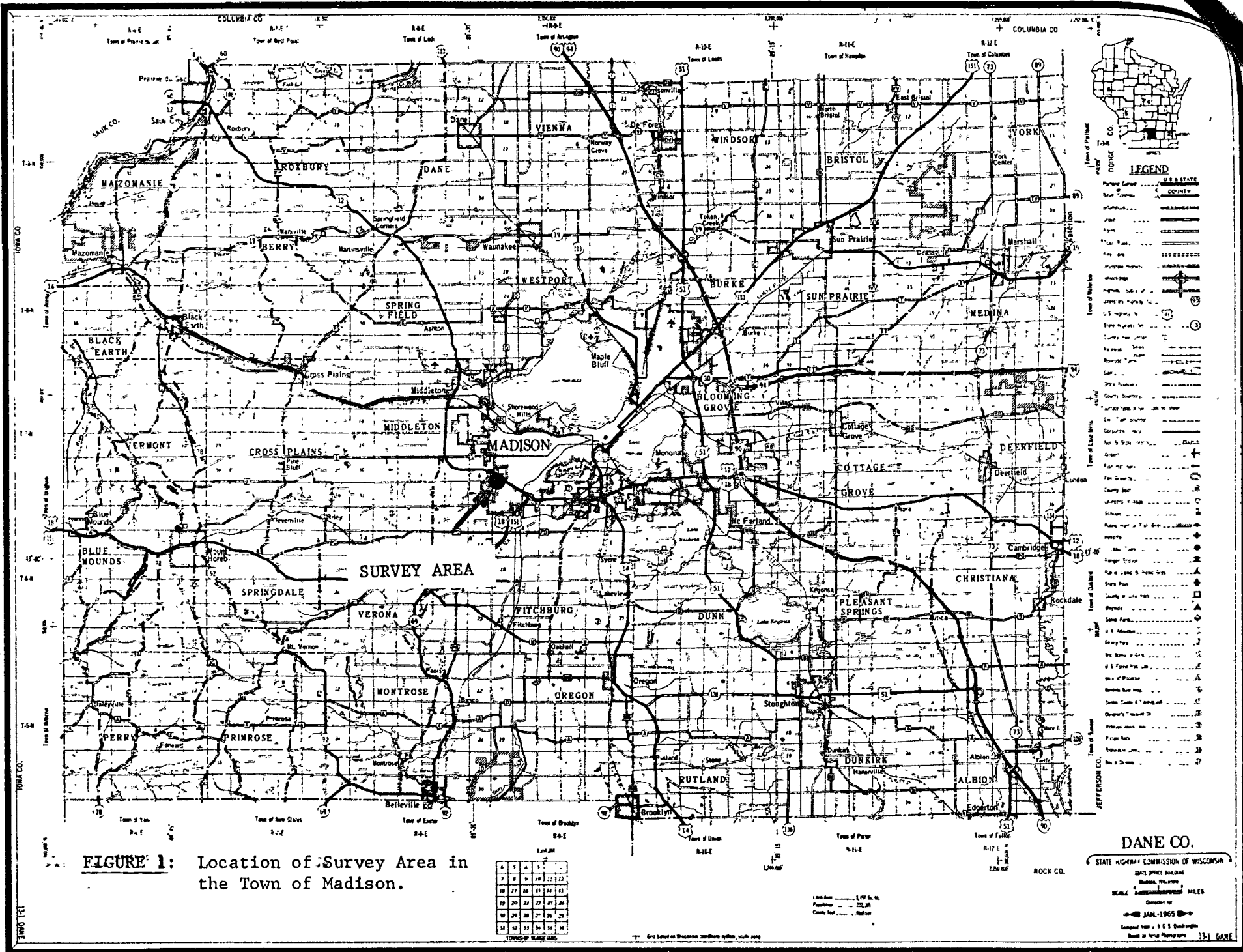
### NOTE

Copies of this report are being sent to the Wisconsin Archaeological Survey and to the Wisconsin State Archaeologist.

### REFERENCES

Dietz, Baerreis, Nero, and Custer  
1956 "The Dietz Site"  
The Wisconsin Archaeologist, N.S. 37(1): 1-20.

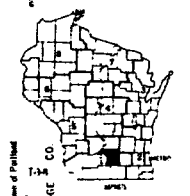




**FIGURE 1:** Location of Survey Area in the Town of Madison.

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30
31	32	33	34	35
36	37	38	39	40

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**LEGEND**

STATE

COUNTY

TOWN

SECTION

ROAD

RAILROAD

WATER

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**DANE CO.**

STATE HIGHWAY COMMISSION OF WISCONSIN

SCALE

1:25,000

JAN-1965

THE STATE HISTORICAL  
SOCIETY OF WISCONSIN

816 STATE STREET / MADISON, WISCONSIN 53706

September 14, 1977

Dr. Louis N. Locke  
U.S. Fish and Wildlife Health Lab  
1655 Linden Drive  
Madison, Wisconsin 53706

SHSW: 0772-77

Dear Dr. Locke:

As requested in your letter of August 25, 1977, we have examined our files for sites of archeological, historical or architectural significance located in the 23.7 acre tract of land proposed for your disease and diagnostic research center.

There are no structures of architectural or historical significance located on this property. A prehistoric village site is recorded in the SW 1/4 of SE 1/4 of Section 30, T7NR9E, Dane County. Since this village site is located only a short distance to the east of the property in question, it is quite probable that additional archeological resources will be located in this area.

Compliance with Section 106 of the National Historic Preservation Act (Public Law 89-665, as amended) requires Federal Agencies to identify all resources listed on, or eligible for inclusion on, the National Register of Historic Places that may be affected in any federally funded, licensed or permitted projects. In order to do this, we would recommend that an archeological survey of this site be undertaken. We are enclosing a list of qualified archeologists who may be contacted to perform this survey.

Additionally, we do not know if you have investigated the possibility of locating space in a historic structure as required in the Public Buildings Cooperative Use Act of 1976 (Public Law 94-541).

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If we can be of any further assistance, please contact Mr. Richard W. Dexter (608/262-2732) in the Historic Preservation Division.

Sincerely,

Richard A. Erney  
State Historic Preservation Officer

*Richard W. Dexter*

By Richard W. Dexter  
Environmental Review Coordinator

RAE: rdd  
Enclosure

cc: Mr. Joseph P. Hough

*P. Hough*

# University of Wisconsin—Madison



DEPARTMENT OF ANTHROPOLOGY  
5240 SOCIAL SCIENCE BUILDING

MADISON, WISCONSIN 53706

Ms. Ona Lewis/Dr. Louis Locke  
U.S. Fish and Wildlife Health Lab  
1655 Linden Drive  
Madison, Wisconsin 53706

Dear Dr. Locke:

Per our phone conversations and your letter of September 21, 1977, I am sending you a cost estimate to conduct an archaeological survey of the site located in the Town of Madison, Section 30, T7N R9E, SW $\frac{1}{4}$  of SW $\frac{1}{4}$ , Schroeder Road to the Beltline. I am estimating that this survey can be conducted in one day by myself and a team of field assistants. On the basis of this estimate, i.e. for a one day survey, the cost of the survey and the preparation of a report on the potential impact of construction on archaeological/historical materials in the area will be \$350.00. In the event that the survey requires an additional day, the cost will increase by \$250.00 to a total of \$600. If I can provide additional information, please do not hesitate to contact me, 608/262-4343. It would be most useful and efficient if you could provide me with the planning maps of the area so that I can indicate the areas of archaeological survey and most accurately report the results of the inspection.

Sincerely,

A handwritten signature in cursive script that reads "T. Douglas Price".

T. Douglas Price, Ph.D.  
Assistant Professor



# United States Department of the Interior

FISH AND WILDLIFE SERVICE

IN REPLY REFER TO:

U.S. Fish & Wildlife Health Lab  
1655 Linden Drive  
Madison, Wisconsin 53706

September 21, 1977

Dr. T. Douglas Price  
Department of Anthropology  
University of Wisconsin  
Madison, Wisconsin 53706

Dear Dr. Price,

We request you to make an archeological survey of the site located in the Town of Madison, Section 30, Town 7N Range 9E Southwest Quarter of Southwest Quarter. Schoreder Road to the Beltline.

Please contact Dr. Louis Locke or myself at 252-5411 when this will be possible and for further assistance.

*Ona Lewis* →

Ona Lewis  
Administrative Officer  
U.S. Fish and Wildlife Health Lab

Enclosure

# University of Wisconsin — Madison



DEPARTMENT OF ANTHROPOLOGY  
5240 SOCIAL SCIENCE BUILDING

MADISON, WISCONSIN 53706

4 October 1977

Dr. Louis Locke  
U.S. Fish and Wildlife Health Lab  
1655 Linden Drive  
Madison, Wisconsin 53706

Dear Dr. Locke:

I am enclosing three copies of the report of the archaeological survey of the Ansul Lab site that was undertaken for your organization. In essence, the report states that no archaeological remains were encountered during the course of the survey and that no impact on cultural resources in the project area is anticipated. I am also sending copies of the report to the Historic Preservation Office, the office of the State Archaeologist, and to the Wisconsin Archaeological Survey. This is the standard procedure for such reports.

Upon occasion, deeply buried archaeological remains are uncovered during the course of construction work that could not be detected in the procedures of archaeological survey. In such an event, you are requested to contact the office of the State Archaeologist and notify her of the discovery and request a further assessment in order to mitigate the impact of the construction on the prehistoric materials. The state archaeologist is Dr. Joan Freeman, 37 State Historical Society, 608/262-9566.

My fee for conducting the survey and for the preparation of the survey report is \$340.00. Please make the check payable to me at the address above. If I can provide further information or clarification please do not hesitate to contact me (262-4343).

Sincerely,

A handwritten signature in cursive script that reads "T. Douglas Price".

T. Douglas Price, Ph.D.  
Assistant Professor