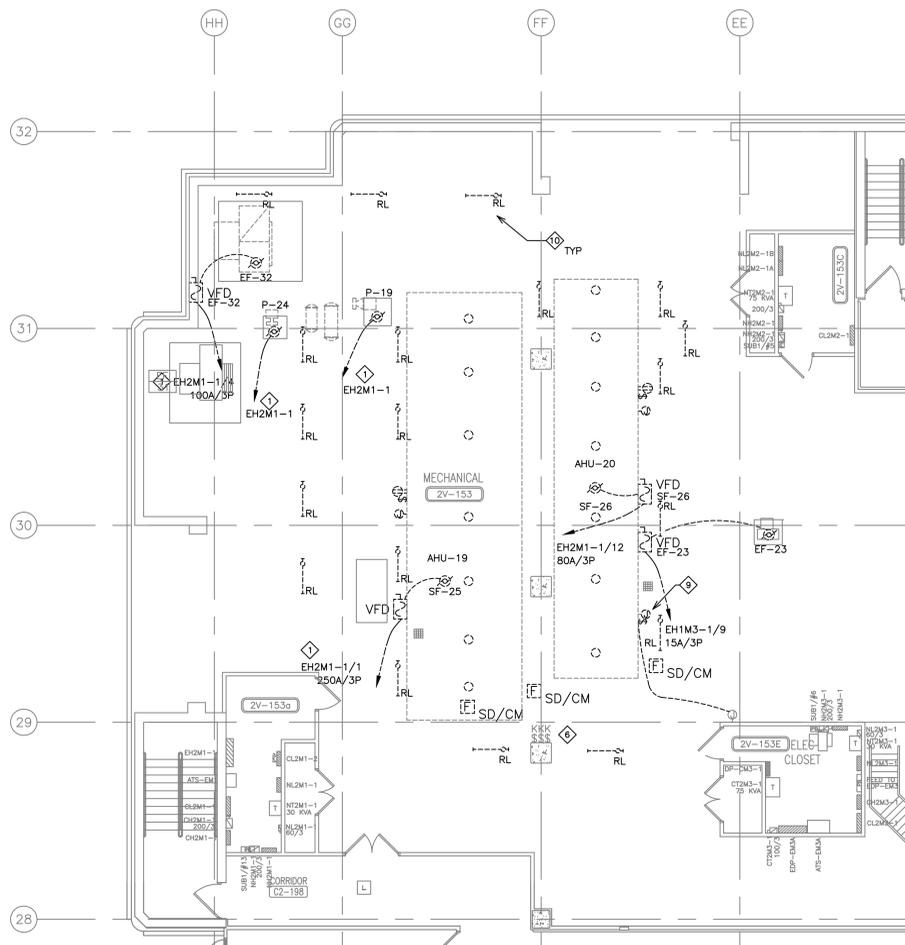
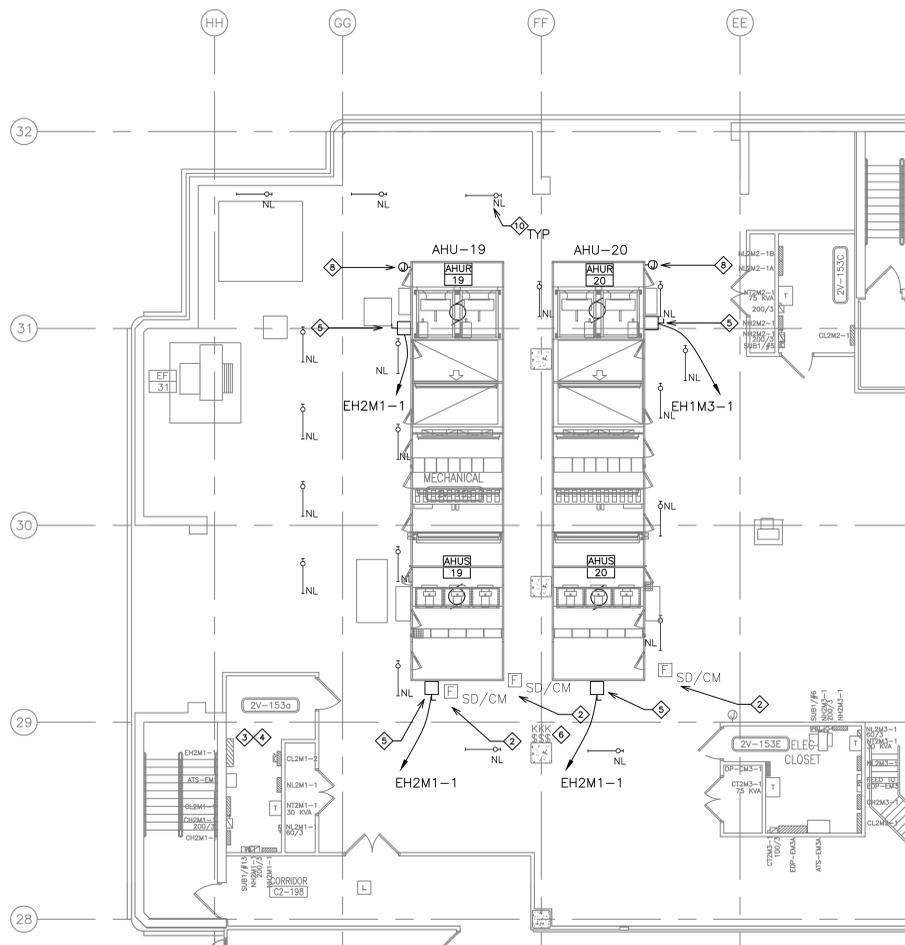


- GENERAL NOTES**
- BUILDING WILL BE IN USE DURING CONSTRUCTION. SCHEDULE AND CARRY OUT THE WORK IN SUCH A MANNER AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE DUE TO SERVICE INTERRUPTION. TEMPORARY SERVICES (FEEDER, BRANCH CIRCUIT, AND SIGNAL SYSTEMS) SHALL BE INSTALLED IF ONE AREA OR PHASE OF CONSTRUCTION DISRUPTS SERVICE TO ANOTHER AREA OF THE BUILDING(S) OR IF THE EQUIPMENT, CONDUITS, OR FEEDERS HAVE TO BE RELOCATED TO ALLOW CONSTRUCTION TO PROGRESS. SERVICE INTERRUPTIONS SHALL BE CONFINED TO THE SMALLEST AREA POSSIBLE AT ANY ONE TIME AND INTERRUPTIONS SHALL BE SCHEDULED WITH THE OWNER'S SITE REPRESENTATIVE. THERE SHALL BE DESIGNATED AREAS WHERE INTERRUPTIONS LIMITED TO AND SHALL BE CONDUCTED AFTER HOURS (8:00 PM - 6:00 AM) MONDAY THROUGH SATURDAY. AFTER SERVICE HAS BEEN RESTORED FOLLOWING AN INTERRUPTION, INSPECT AREAS AFFECTED BY THE INTERRUPTION AND BE RESPONSIBLE FOR RETURNING AUTOMATICALLY CONTROLLED EQUIPMENT TO THE SAME OPERATING CONDITION WHICH EXISTED PRIOR TO THE INTERRUPTION.
 - SIGNIFICANT NOISE PRODUCING WORK SHALL BE CONDUCTED AFTER HOURS (9:00 PM - 6:00 AM) AND WEEKENDS.
 - REMOVE, REPLACE, RELOCATE, ETC. ANY ELECTRICAL DEVICES AND/OR ANY CONDUIT/WIRING AS REQUIRED TO COMPLETE REMODELING AS INDICATED IN THE CONTRACT DOCUMENTS.
 - DRAWINGS INDICATE EXISTING CONDITIONS AS THEY WERE INDICATED ON OWNER PROVIDED AS-BUILT DRAWINGS AND SITE VERIFICATION. ACTUAL CONDITIONS MAY VARY FROM THE CONDITIONS INDICATED. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY EXACT CONDITIONS.
 - ALL DEVICES, EQUIPMENT, CABLING, ETC. INDICATED IN THE CONTRACT DOCUMENTS TO BE REMOVED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DISPOSE OF IN ACCORDANCE WITH LOCAL AND FEDERAL REGULATIONS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
 - LABEL NEW RECEPTACLES AS NOTED IN SPECIFICATION SECTION 262726 PART 2.
 - PROVIDE DEDICATED NEUTRALS AS REQUIRED BY THE NEC. HANDLE TIES OR MULTI POLE BREAKERS FOR SINGLE PHASE LOADS ARE UNACCEPTABLE.
 - PROVIDE A DOUBLE GANG BOX WITH A SINGLE GANG MUDRING AND (1) 3/4" CONDUIT ROUTED UP TO ACCESSIBLE CEILING SPACE FOR LOW VOLTAGE ROUGH IN.
 - CONTACT THE FIRE ALARM CONTRACTOR FOR DEVICE PROTECTION PRIOR TO CEILING REMOVAL. CLEAN AND PROTECT REMOVED FIRE ALARM DEVICES FOR REINSTALLATION. EXISTING DETECTION DEVICES ARE GAMEWELL "VELOCITY" SERIES.
 - DEMOLISH LOW VOLTAGE DEVICE CABLING BACK TO SOURCE WHEN DEMOLISHING LOW VOLTAGE DEVICES.
 - PATCH CONCRETE DECK VOIDS CREATED DURING DEMOLITION OF FEEDERS. MAINTAIN FLOOR AND WALL RATINGS.
 - DIV. 26 CONTRACTOR TO COORDINATE DEMOLITION AND/OR RELOCATION AND EXTENSION OF EXISTING RACEWAYS SYSTEMS WITH DIV. 23 CONTRACTOR.
 - SEE PHASING PLAN FOR ADDITIONAL INFORMATION ON SEQUENCING OF WORK. SEE SHEETS MH2.0 AND MH2.1.

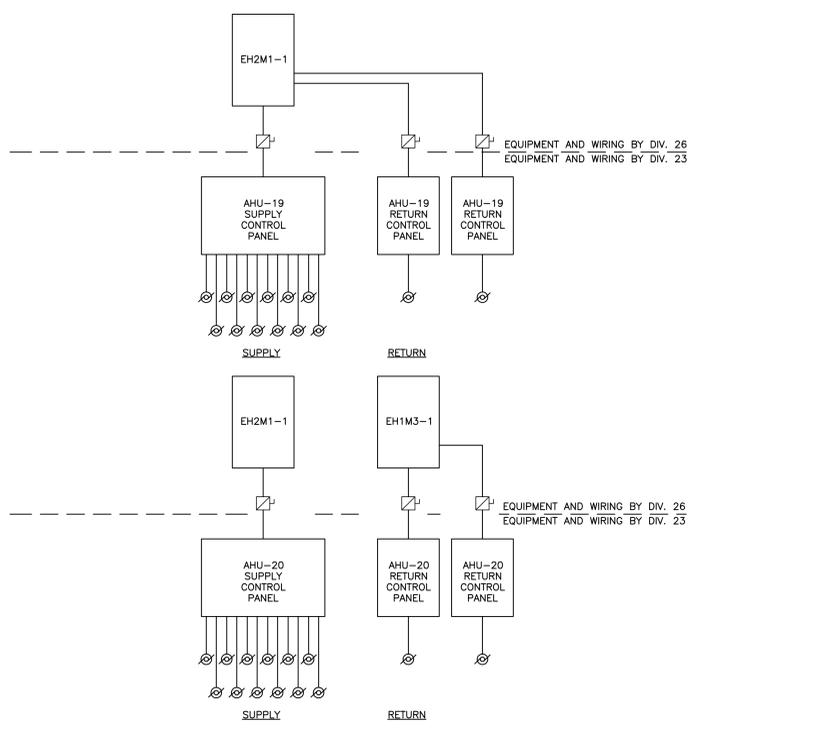
- NOTES ON THIS DRAWING**
- DEMOLISH MOTOR CONNECTION AND FEEDER TO SOURCE.
 - REPLACE SMOKE DAMPER CONTROL MODULE.
 - PROVIDE AND INSTALL THE FOLLOWING NEW CUTLER HAMMER CIRCUIT BREAKER FOR NEW BRANCH CIRCUITS:
 - (2) 480V, 3P, 200A, 25KAIC
 - (2) 480V, 3P, 50A, 25KAIC
 - LABEL ABANDONED CIRCUIT BREAKERS AS SPARE.
 - PROVIDE AND INSTALL FUSED DISCONNECT. DISCONNECT TO INCLUDE LUGS FOR CONNECTION TO SEPARATE VFDs. SEE WIRING DETAIL FOR ADDITIONAL INFORMATION. VFD PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. SEE MECHANICAL SCHEDULES FOR ADDITIONAL ELECTRICAL REQUIREMENTS.
 - EXISTING FIRE ALARM KEY-SWITCHES TO REMAIN.
 - DEMOLISH AHU ENCLOSURE INTERIOR LIGHTING, SWITCH, RECEPTACLE AND ASSOCIATED BRANCH CIRCUIT.
 - PROVIDE CONNECTION TO AHU ENCLOSURE LIGHT SWITCH. SWITCH AND ENCLOSURE LIGHTING PROVIDED BY DIV. 23.
 - DEMOLISH PUMP CONNECTION.
 - REMOVE AND RELOCATE EXISTING 2-LAMP T8 CHAIN HUNG INDUSTRIAL LIGHT FIXTURE TO ALLOW FOR MECHANICAL DUCTWORK MODIFICATION. SUSPEND NEW LIGHTING BELOW MECHANICAL DUCTWORK AND RELAMP WITH NEW 32W T8 LAMPS.



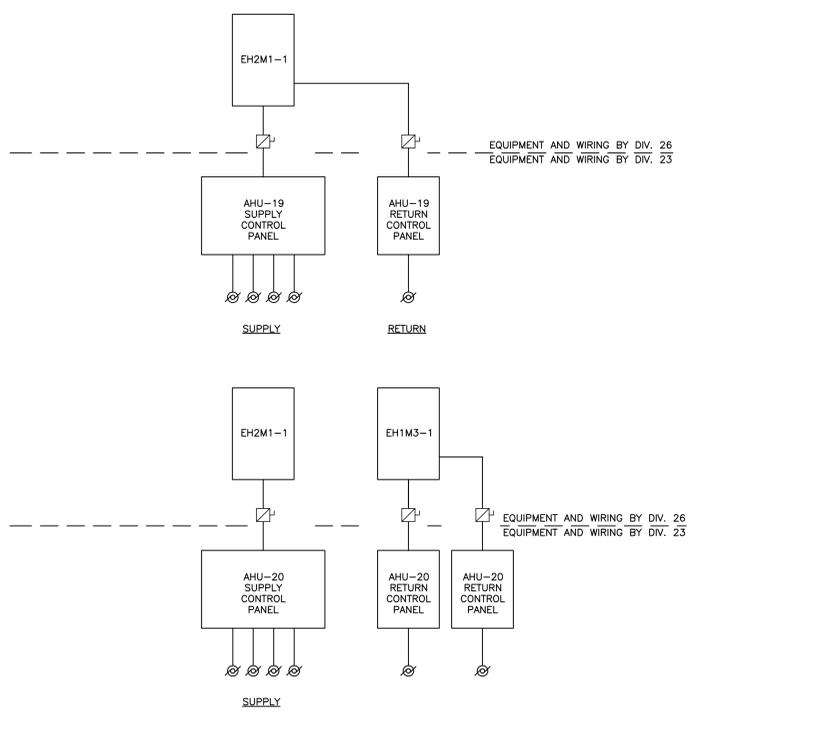
1 SECOND FLOOR ELECTRICAL DEMOLITION PLAN
1/8" = 1'-0"



2 SECOND FLOOR ELECTRICAL PLAN
1/8" = 1'-0"



3 SECOND FLOOR ELECTRICAL BID OPTION 1 WIRING
NOT TO SCALE



4 SECOND FLOOR ELECTRICAL BID OPTION 2 WIRING
NOT TO SCALE

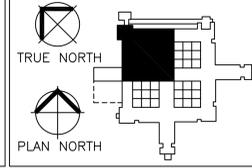
GENERAL NOTES

GENERAL CONTRACTOR AND/OR ALL SUBCONTRACTORS SHALL FIELD VERIFY ALL DIMENSIONS SHOWN ON THESE PLANS AND SHALL BE RESPONSIBLE FOR VARIATIONS BETWEEN PLAN DIMENSIONS AND ACTUAL FIELD DIMENSIONS. WHERE VARIATIONS ARE FOUND TO OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING PRIOR TO PROCEEDING WITH CONSTRUCTION; NO ADJUSTMENT TO THE WORK WILL BE MADE WITHOUT THE PRIOR APPROVAL OF THE PROJECT ENGINEER.

GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR GENERAL DEMOLITION INCLUDING REMOVAL OF WALLS, PARTITIONS, DOORS & CEILING & FLOORS. ANY AND ALL CUTTING OF CONCRETE FLOORS, WALLS OR STRUCTURE SHALL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY. CORE DRILLING THROUGH CONCRETE FLOORS, FLOORS OR STRUCTURE FOR PIPING OR CONDUIT SHALL BE THE RESPONSIBILITY OF THE SUBCONTRACTOR BY TRADE. FIRESTOPPING OF THESE OPENINGS SHALL BE DONE BY THE RESPECTIVE SUBCONTRACTOR. REMOVAL OF DEBRIS RESULTING FROM DEMOLITION, CUTTING, AND/OR DRILLING IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. PATCHING AND REPAIR OF CONCRETE WALLS, FLOOR, OR STRUCTURE SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR; THIS WILL BE ACCOMPLISHED UPON COMPLETION OF THE INSTALLATION OF ANY AND ALL UTILITIES INSTALLED BY THE VARIOUS SUBCONTRACTORS.

DUNHAM

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PROJECT NUMBER: 0414950-004-00



I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

CURTIS BARLAGE
Date: 08/06/2014 Reg. No. 45914

Drawing Scale: AS NOTED
Plot Scale: 1/2" = 1'-0"

Drawing Title: **SECOND FLOOR ELECTRICAL PLANS**

Approved: Catherine Joyce, Chief, Projects Section
Approved: Steven Challeen, Director, Engineering

Project Title: **UPGRADE AHU'S PHASE 2**

Location: V.A. MEDICAL CENTER
ONE VETERANS DRIVE
MINNEAPOLIS, MN 55417

Date: 07/14/2014
Checked: CB
Drawn: CB

Project No.: **618-13-130**

Building Number: **70**

DRAWING NO.: **1293-70-ES2.0**
Dwg. 29 of 30

Office of Facilities Management

Department of Veterans Affairs

CD ISSUE
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