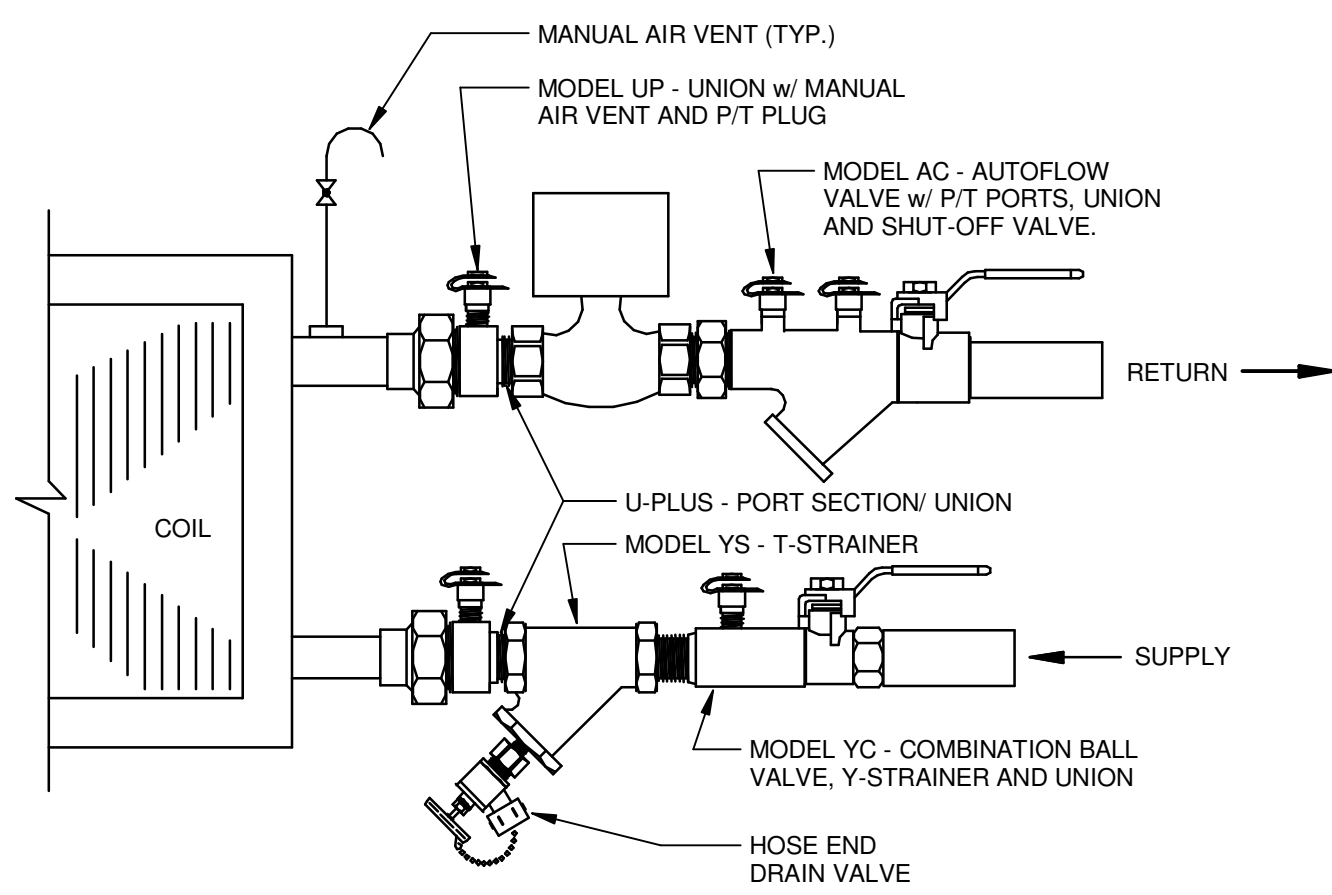
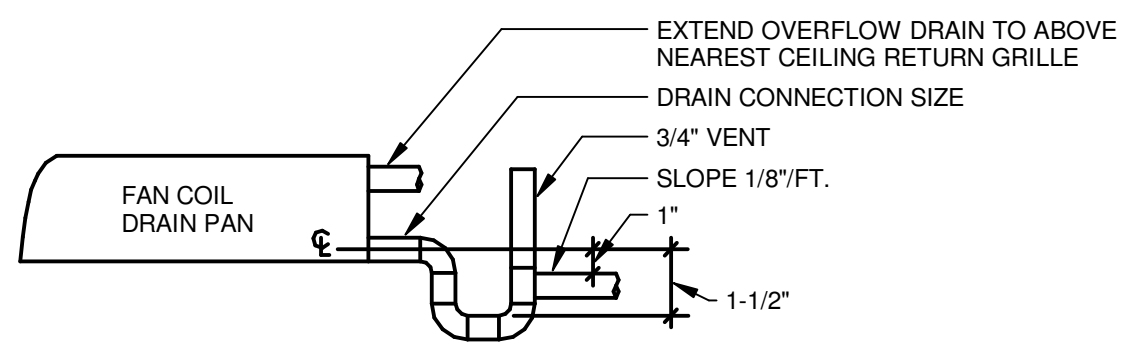


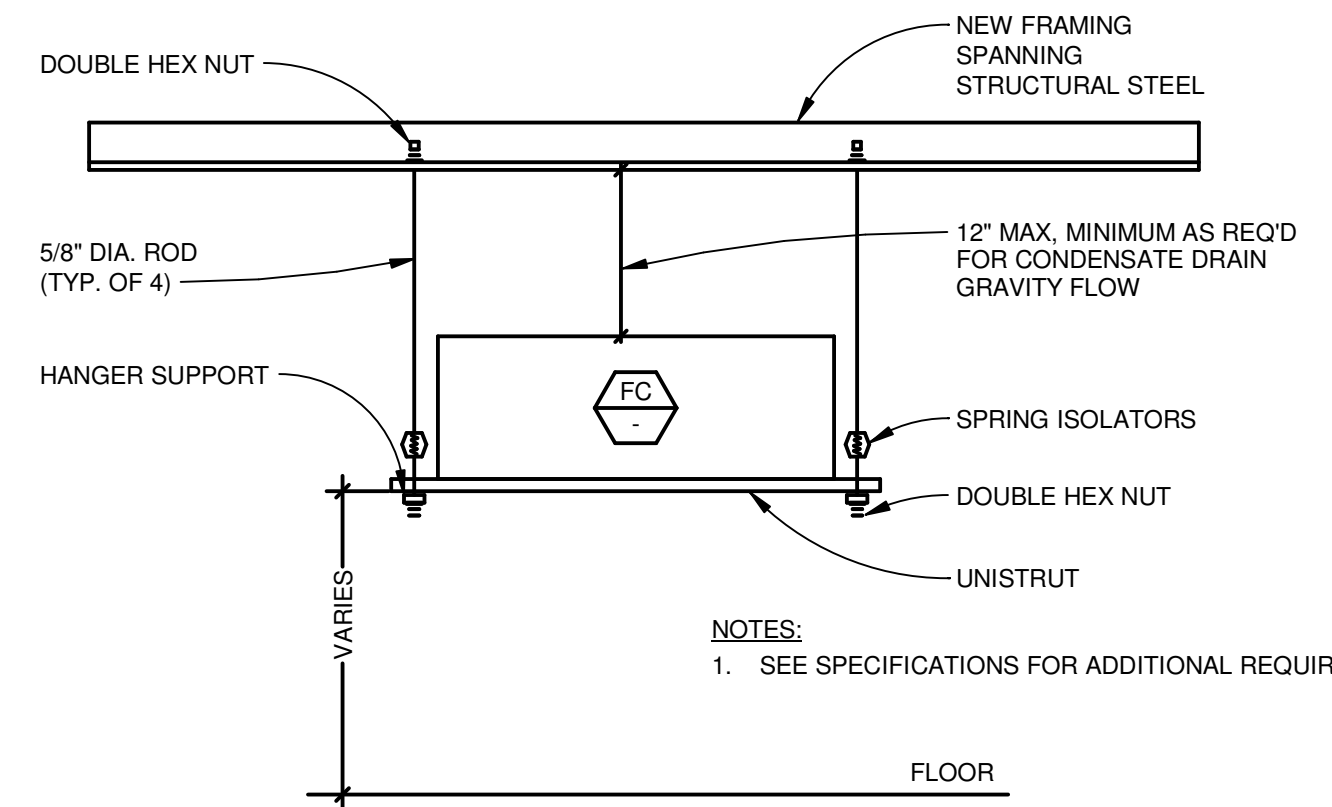
**TYPICAL DUCTED FAN COIL**  
SCALE: NONE MH.001



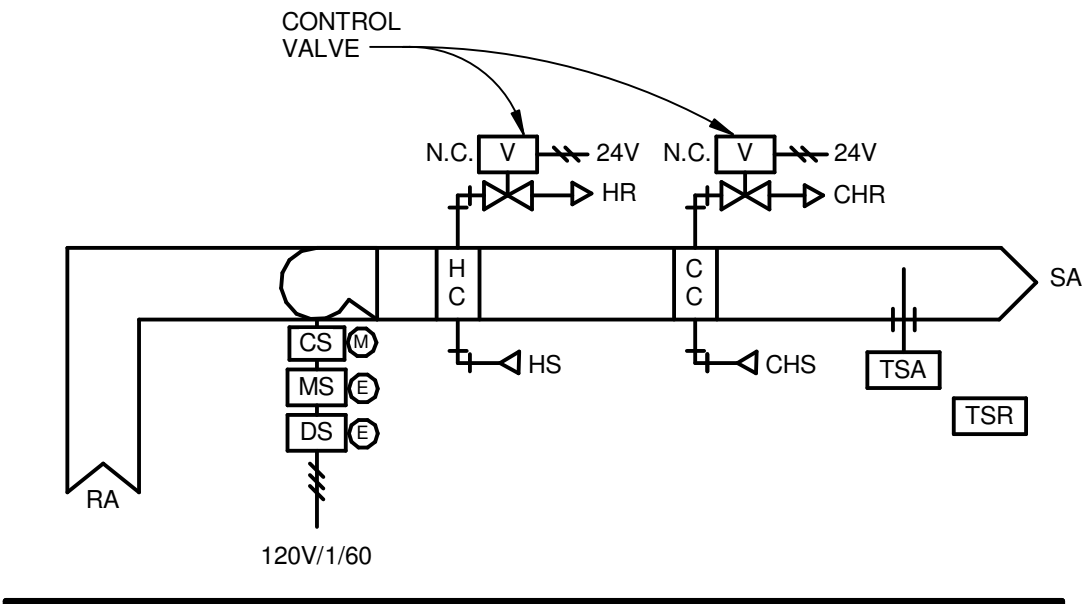
**COIL PIPING**  
SCALE: NONE MH.001



**FAN-COIL CONDENSATE DRAIN**  
SCALE: NONE MH.001



**HORIZONTAL UNISTRUT FAN COIL SUPPORT**  
SCALE: NONE MH.001



NOTE: TEMPERATURE CONTROLS SHALL BE JOHNSON TO MATCH EXISTING. MODIFY EXISTING CONTROL PROGRAM AS REQUIRED TO ACCOMMODATE NEW FC-3. MATCH EXISTING SYSTEM ARCHITECTURE. MODIFY ALL RELATED DDG GRAPHICS AS REQUIRED.  
CONTACT: BRUCE DARMSTEDT, CLIMATECH, 775-928-6231

**FAN COIL CONTROL DIAGRAM**  
SCALE: NONE MH.001

FAN COIL SCHEDULE															
SYMBOL	SERVING LOCATION	IEC MODEL NO.	COOLING*				HEATING			COIL ROWS/FINS	CFM	ESP	FAN (QTY)/HP	VOLT/ PHASE	OPER. WGT.
			TOTAL MBH	SENS MBH	GPM	WPD (FT.)	MBH	GPM	WPD (FT.)						
FC 3	LOBBY	HBD20	42.8	42.8	10	3.1	53.1	3.0	2.3	4/1	1,900	0.75"	(1)3/4	120/60/1	310

\*COOLING COIL IS FOR FUTURE

ACCESSORIES:  
1. HANGING CONFIGURATION  
2. EXTERNAL SPRING ISOLATION - DEFLECTION = .50"  
3. INSULATED CABINET  
4. MOTORS WITH THERMAL OVERLOADS

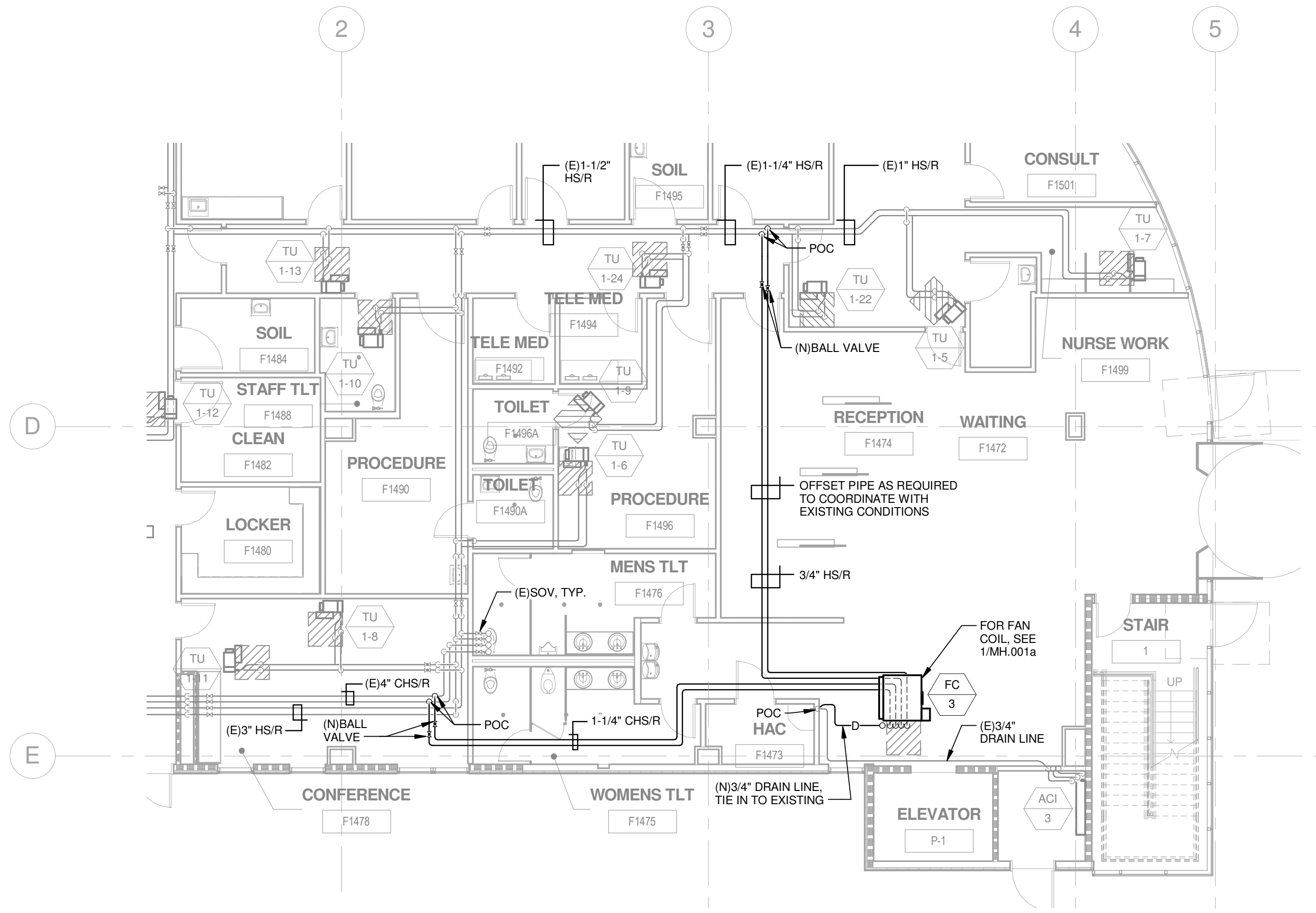
NOTES:  
1. COIL PIPING APPLIES TO FAN COILS; HEATING AND CHILLED WATER.  
2. MODEL NUMBERS ARE FLOW-DESIGN UNLESS NOTED OTHERWISE; SEE SPECIFICATIONS.  
3. FIELD FABRICATED DISCONNECT, STARTER, CONTROL VALVES, CONTROL ENCLOSURE, ETC. TO BE INSTALLED ON SAME SIDE OF UNIT.

NOTES:  
1. CONDITIONS BASED ON:  
COOLING - 80°/61° E.A.T. 45° E.W.T.  
HEATING - 70° E.A.T. 180° E.W.T.  
2. ALL VALUES ADJUSTED FOR 4500 FT. ELEVATION

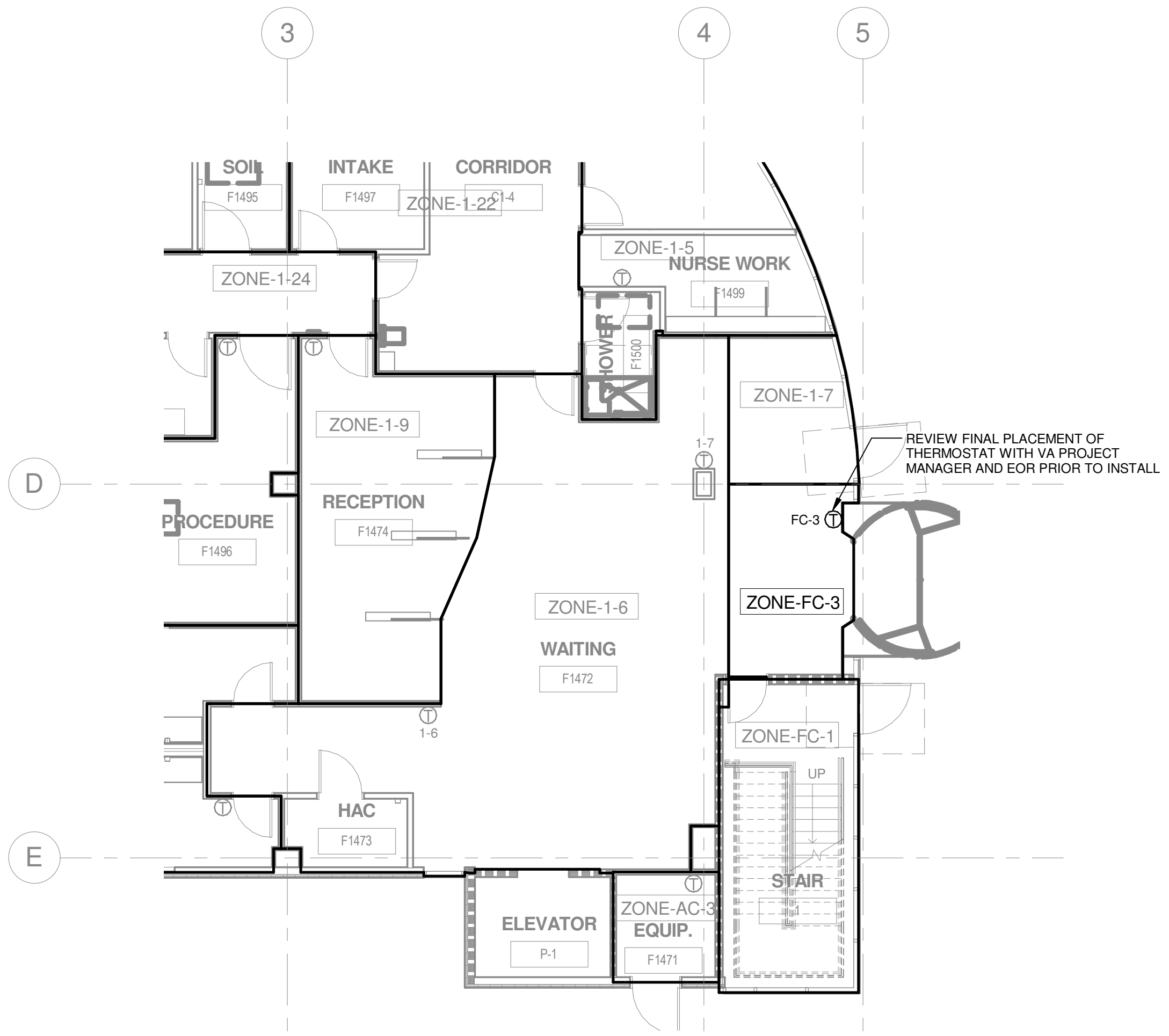
FILTER SCHEDULE	
CFM	FILTER SIZE
1200-1900	(2)24x24

AIR CONDITIONING LEGEND		
ALL ITEMS SHOWN IN THIS LEGEND ARE NOT NECESSARILY USED ON THE DRAWINGS.		
ABBREV.	SYMBOL	DESCRIPTION
SUP	[Symbol]	SUPPLY AIR
RET	[Symbol]	RETURN AIR
EXH	[Symbol]	EXHAUST AIR
CA	[Symbol]	COMBUSTION AIR
RA	[Symbol]	RELIEF AIR
TA	[Symbol]	TRANSFER AIR
OSA	[Symbol]	OUTSIDE AIR/MAKE-UP AIR
CD	[Symbol]	CEILING DIFFUSER
R	[Symbol]	REGISTER WITH OBD
FLEX.D.	[Symbol]	FLEXIBLE DUCT
FDC	[Symbol]	FLEXIBLE DUCTWORK CONNECTOR
LD	[Symbol]	LINED DUCTWORK
FR	[Symbol]	FLOOR REGISTER
AD	[Symbol]	ACCESS DOOR
LD	[Symbol]	LINEAR DIFFUSER
SD	[Symbol]	SLOT DIFFUSER
LFM	[Symbol]	LAMINAR FLOW MODULE
FD	[Symbol]	FIRE DAMPER
FSD	[Symbol]	COMBINATION FIRE/SMOKE DAMPER
VCD	[Symbol]	VOLUME CONTROL DAMPER
HR	[Symbol]	HOT WATER RETURN
HS	[Symbol]	HOT WATER SUPPLY
CHS	[Symbol]	CHILLED WATER SUPPLY
CHR	[Symbol]	CHILLED WATER RETURN
D	[Symbol]	DRAIN LINE
PT	[Symbol]	PETES PLUG
GV	[Symbol]	GATE VALVE
SOV	[Symbol]	BALL VALVE
CKV	[Symbol]	CHECK VALVE - NON SLAM
BFV	[Symbol]	BUTTERFLY VALVE
BV	[Symbol]	BALL VALVE
CC	[Symbol]	CIRCUIT SENSOR
TDV	[Symbol]	TRIPLE DUTY VALVE
CS	[Symbol]	CIRCUIT SETTER
STR	[Symbol]	STRAINER
TH	[Symbol]	THERMOMETER (DIAL)
P & TR	[Symbol]	PRESSURE & TEMPERATURE RELIEF VALVE
PG	[Symbol]	PRESSURE GAUGE WITH GAUGE COCK
T	[Symbol]	TEMPERATURE SENSOR ROOM/DUCT
H	[Symbol]	HUMIDITY SENSOR ROOM/DUCT
CFM	[Symbol]	CUBIC FEET PER MINUTE
RD	[Symbol]	ROUND
M	[Symbol]	MOTORIZED VALVE
TV	[Symbol]	TURNING VEIN
MVD	[Symbol]	MANUAL VOLUME DAMPER

GENERAL NOTES
1. ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES, SPECIFICATIONS, LOCAL ORDINANCES, INDUSTRY STANDARDS, AND VA DESIGN GUIDELINES.
2. PROVIDE MANUAL VOLUME DAMPER AT EACH EXHAUST BRANCH AND DOWN STREAM TERMINAL UNIT BRANCH SUPPLY DUCT TAKEOFF. FLEXIBLE DUCT LENGTH SHALL NOT EXCEED 5'-0". MVD SHALL BE AS FAR AWAY FROM THE DIFFUSER/GRILLE AS POSSIBLE.
3. SLOPE ALL CONDENSATE DRAINS 1" PER 8'-0".
4. PROVIDE A MINIMUM OF 12" BELOW DUCTWORK TO CEILING FOR LIGHT REMOVAL.
5. COORDINATE EXACT SIZE AND LOCATION OF DUCTWORK WITH ALL OTHER TRADES.
6. DO NOT ROUTE ANY PIPING DIRECTLY ABOVE ELECTRICAL EQUIPMENT, SWITCH BOARDS, DISTRIBUTION PANELS, MCCS, ETC. AS PROHIBITED BY THE NEC.
7. CONSTRUCT ALL FOR 2-INCH W.G. PRESSURE CLASS, EXCEPT AS NOTED, PER SMACNA REQUIREMENTS.
8. PLANS ARE SCHEMATIC AND ARE INTENDED TO SHOW THE GENERAL NATURE OF THE WORK. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL MEASUREMENTS AND CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH OTHER TRADES TO ACCOMPLISH THE INTENT OF THE PROJECT IN A FIRST CLASS MANNER. NOT ALL OFFSETS IN DUCTWORK AND PIPING ARE SHOWN.
9. DUCT DIMENSIONS SHOWN ON PLANS ARE NET INSIDE DIMENSIONS.
10. LOCATE DIFFUSERS SUCH THAT EXISTING SMOKE DETECTORS ARE NOT LOCATED IN A DIRECT AIRFLOW OR CLOSER THAN 3' FROM ANY AIR SUPPLY DIFFUSER OR RETURN AIR OPENING IN ACCORDANCE WITH NFPA-72 A.17.7.4.1 (2010).
11. CONTRACTOR TO PERFORM SELECTIVE DEMOLITION AS REQUIRED TO PERFORM NEW WORK AND THE INTENT OF THE DESIGN. ANY SELECTIVE DEMOLITION PERFORMED SHALL BE RETURNED TO LIKE NEW CONDITION UPON COMPLETION OF WORK. REPLACE ANY T-BAR CEILING COMPONENTS DAMAGED BY THIS SCOPE OF WORK. FOR GYPSUM CEILING, PATCH AND TAPE/TEXTURE/PAINT TO MATCH EXISTING WHERE REQ'D. RE-PAINT ENTIRE FINISHED SURFACE IF REQ'D TO ENSURE A FIRST-CLASS FINISHED PRODUCT. ALL WORK OF THIS NATURE SHALL BE WITH SKILLED MECHANICS FOR EACH TRADE INVOLVED.

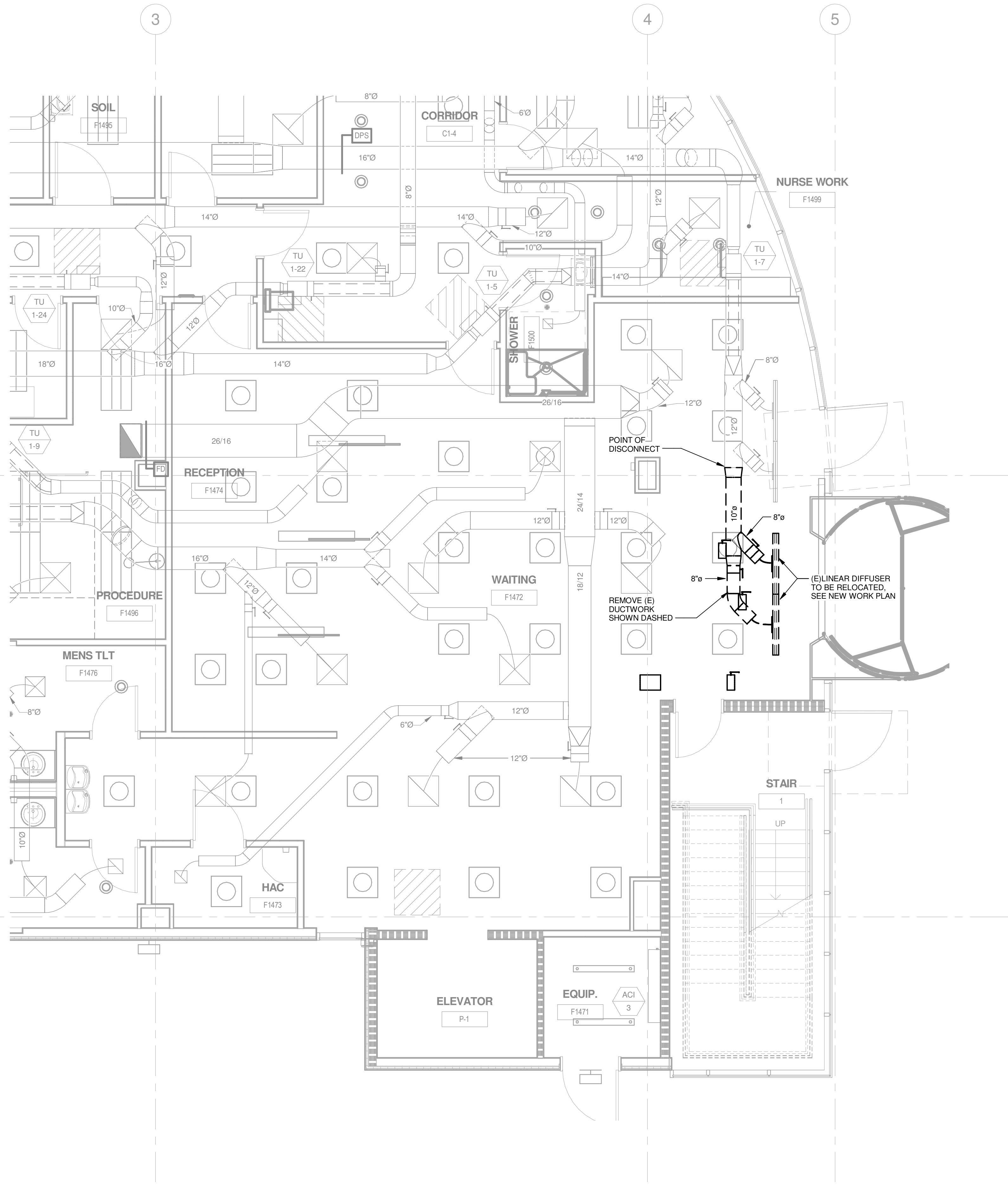


**1ST FLOOR LOBBY - MECHANICAL PIPING**  
SCALE: NONE MH.001

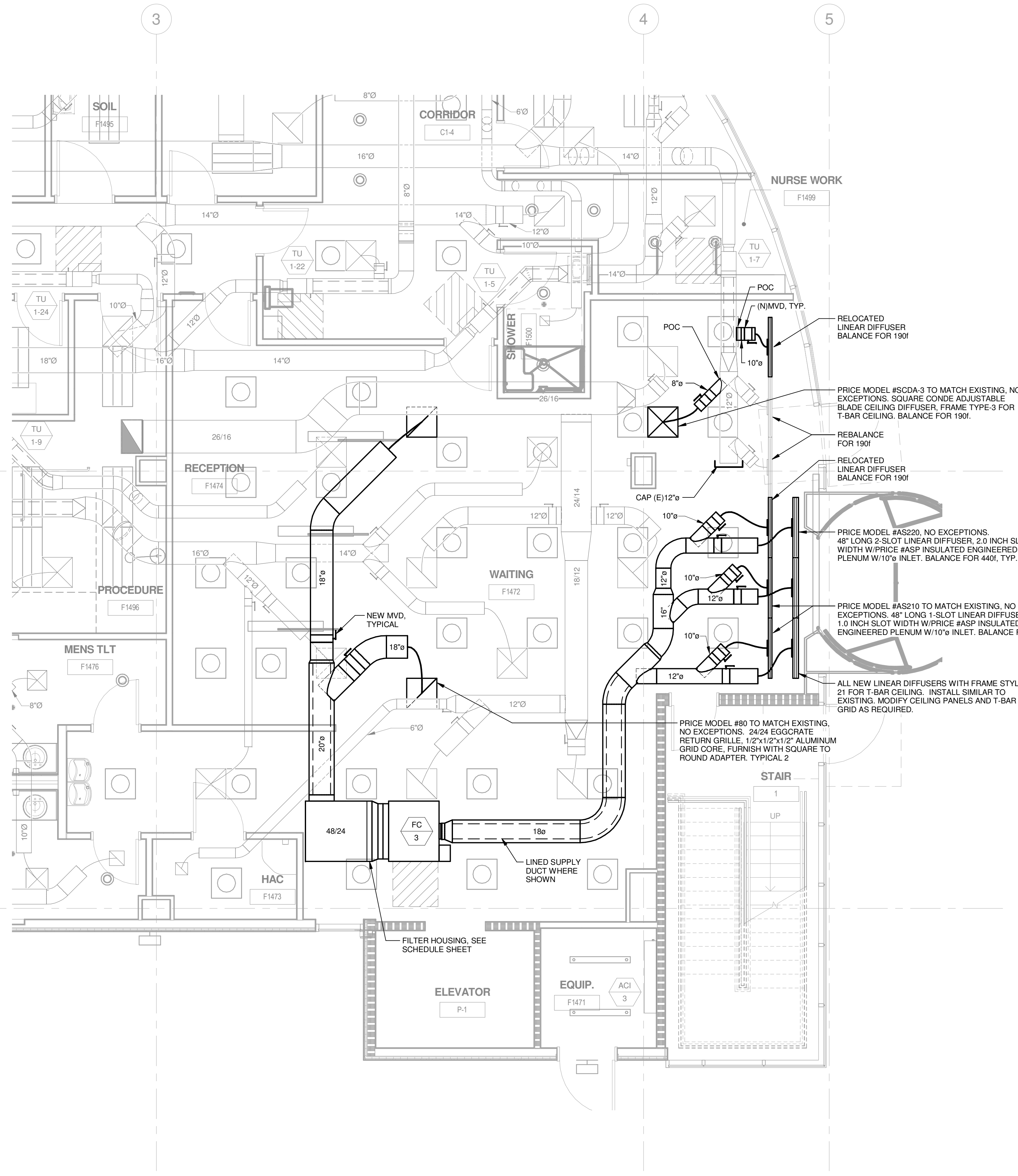


**1ST FLOOR LOBBY - ZONING**  
SCALE: NONE MH.001

<table border="1"> <tr><th>No.</th><th>Description</th><th>Date</th></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>	No.	Description	Date													<b>CONSULTANTS:</b> 	<b>STAMP:</b> 	<b>ARCHITECT/ENGINEERS:</b>  <b>AINSWORTH ASSOCIATES</b> MECHANICAL ENGINEERS 3741 BUSINESS DR. SACRAMENTO, CA 95820 TEL: 916-737-6014 FAX: 916-737-6015 1420 HOLCOMB AVE., SUITE 201 RENO, NV 89502 TEL: 775-329-9100 FAX: 775-329-9105 JOB: 2010-080	<b>MECHANICAL SCHEDULES, DETAILS, PIPING PLAN, AND ZONING PLAN</b> Approved: Project Director	<b>Project Title:</b> BLDG. 6 DOOR AND FAN COIL MODIFICATIONS <b>DEPT. OF VETERANS AFFAIRS MEDICAL CENTER</b> <b>Location:</b> 975 KIRMAN AVE, RENO, NV 89502 <b>Date:</b> 4/21/15 <b>Checked:</b> SA <b>Drawn:</b> RG	<b>Project Number:</b> 654-15-556 <b>Building Number:</b> 6 <b>Drawing Number:</b> MH.001 Dwg. 1 of 2	<b>Office of Construction and Facilities Management:</b> 
	No.	Description	Date																			
100% BID DOCUMENTS																						



1ST FLOOR LOBBY - MECHANICAL DEMOLITION 1  
SCALE: NONE MH.101

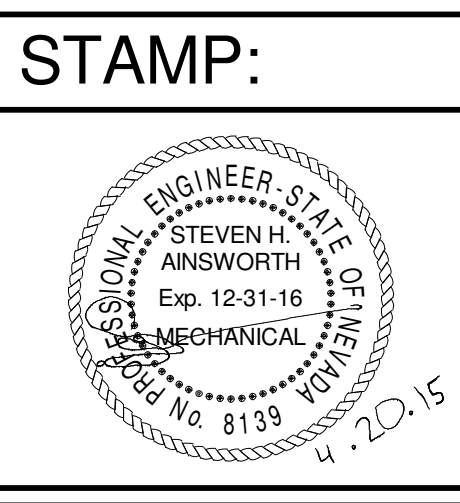


1ST FLOOR LOBBY - MECHANICAL NEW WORK 2  
SCALE: NONE MH.101

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16  
 one eighth inch = one foot  
 one quarter inch = one foot  
 one half inch = one foot  
 three eighths inch = one foot  
 one inch = one foot  
 one and one half inches = one foot  
 three inches = one foot

No.	Description	Date

**CONSULTANTS:**



**ARCHITECT/ENGINEERS:**

**AINSWORTH ASSOCIATES**  
MECHANICAL ENGINEERS

3741 BUSINESS DR. SACRAMENTO, CA 95820 TEL: 916-737-6014 FAX: 916-737-6015

1420 HOLCOMB AVE., SUITE 201 RENO, NV 89502 TEL: 775-328-9100 FAX: 775-329-9105

JOB: 2010-080

**Drawing Title**  
MECHANICAL - FIRST FLOOR LOBBY

Approved: Project Director

**Project Title**  
BLDG. 6 DOOR AND FAN COIL MODIFICATIONS  
DEPT. OF VETERANS AFFAIRS  
MEDICAL CENTER

Location: 975 KIRMAN AVE, RENO, NV 89502

Date: 4/21/15  
Checked: SA  
Drawn: RG

**Project Number**  
654-15-556  
Building Number  
6  
Drawing Number  
MH.101  
Dwg. 2 of 2

Office of Construction and Facilities Management  
Department of Veterans Affairs

ELECTRICAL LEGEND

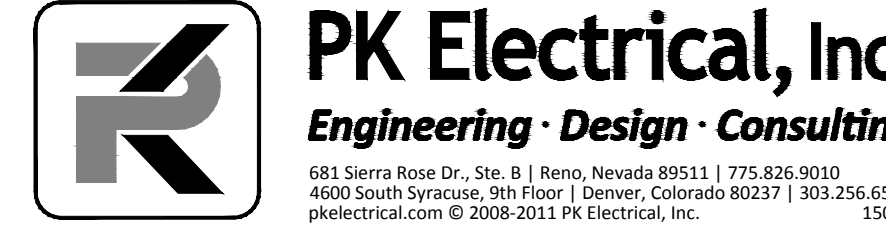
AUGUST 2011

<p>■ PANELBOARD, SURFACE MOUNTED</p> <p>■ PANELBOARD, FLUSH MOUNTED</p> <p>□ SWITCHBOARD OR DISTRIBUTION PANEL</p> <p>☒ TRANSFORMER</p> <p>☒ FULLBOX / VAULT</p> <p>☒ MOTOR STARTER</p> <p>☒ COMBINATION MOTOR STARTER</p> <p>☒ COMBINATION MOTOR STARTER PROVIDED BY OTHERS</p> <p>☒ DISCONNECT SWITCH - FUSIBLE (FUSED PER EQUIP. NAMEPLATE)</p> <p>☒ DISCONNECT SWITCH - NON-FUSIBLE</p> <p>☒ DISCONNECT SWITCH PROVIDED BY OTHERS</p> <p>☒ VARIABLE FREQUENCY DRIVE</p> <p>☒ VARIABLE FREQUENCY DRIVE PROVIDED BY OTHERS</p> <p>☒ ENCLOSED CIRCUIT BREAKER</p> <p>☒ GROUND ROD</p> <p>☒ SHUNT TRIP STATION OR EMERGENCY PUSHBUTTON</p> <p>☒ REMOTE METER</p>	<p>☒ GROUND FAULT INTERRUPTER DEVICE</p> <p>☒ METERING DEVICE</p> <p>☒ REMOTE METER</p> <p>☒ SHUNT TRIP DEVICE</p> <p>☒ TRANSFORMER</p> <p>☒ CURRENT TRANSFORMER</p> <p>☒ GENERATOR</p> <p>☒ MOTOR - # INDICATES HP</p> <p>☒ INTERRUPTER SWITCH</p> <p>☒ GROUND FAULT RELAY W/ CT OR SENSOR</p> <p>☒ FUSE</p> <p>☒ CIRCUIT BREAKER</p> <p>☒ DRAYOUT CIRCUIT BREAKER</p> <p>☒ TRANSFER SWITCH (A=AUTOMATIC, M=MANUAL) # FOR POLES 2, 3 OR 4</p> <p>☒ SURGE PROTECTION DEVICE</p>	<p>A AMPS</p> <p>ADA AMERICANS WITH DISABILITIES ACT</p> <p>AFC ABOVE FINISHED CEILING</p> <p>AFCI ARC-FAULT CIRCUIT INTERRUPTER</p> <p>AFF ABOVE FINISHED FLOOR</p> <p>AFG ABOVE FINISHED GRADE</p> <p>AHJ AUTHORITY HAVING JURISDICTION</p> <p>AIC AMP INTERRUPTING CAPACITY</p> <p>AL ALUMINUM</p> <p>ATS AUTOMATIC TRANSFER SWITCH</p> <p>AWG AMERICAN WIRE GAUGE</p> <p>BC BARE COPPER</p> <p>BKR BREAKER</p> <p>C CONDUIT/RACEWAY</p> <p>CEC CALIFORNIA ENERGY COMMISSION</p> <p>CKT CIRCUIT</p> <p>CLG CEILING</p> <p>CO CONDUIT/RACEWAY ONLY</p> <p>CT CURRENT TRANSFORMER</p> <p>CU COPPER</p> <p>DB DISTRIBUTION BOARD</p> <p>DDG DIRECT DIGITAL CONTROLLER</p> <p>DPDT DOUBLE-POLE, DOUBLE-THROW</p> <p>DPST DOUBLE-POLE, SINGLE-THROW</p> <p>DWG DRAWING</p> <p>(E) EXISTING TO REMAIN</p> <p>ELEG ELECTRICAL</p> <p>EM EMERGENCY</p> <p>EMT ELECTRICAL METALLIC TUBING</p> <p>(F) FUTURE</p> <p>FLA FULL LOAD AMPS</p> <p>FMC FLEXIBLE METAL CONDUIT (STEEL)</p> <p>FPEN FUSE PER EQUIP. NAMEPLATE</p> <p>GFI GROUND FAULT INTERRUPT</p> <p>GFR GROUND FAULT RELAY</p> <p>GND GROUND</p> <p>HID HIGH INTENSITY DISCHARGE</p> <p>HOA HAND-OFF-AUTO SWITCH</p> <p>HP HORSEPOWER</p> <p>HSKP HOUSEKEEPING</p> <p>IMC INTERMEDIATE METAL CONDUIT</p> <p>J-BOX JUNCTION BOX</p> <p>K kmil (BOOK = 300 kmil)</p> <p>KVA KILOVOLT AMPS</p> <p>KH KILOWATT</p> <p>LG LIGHTING</p> <p>IG ISOLATED GROUND</p> <p>MGB MAIN CIRCUIT BREAKER</p> <p>MGM THOUSAND CIRCULAR MILS</p> <p>MFG MANUFACTURER</p> <p>MLO MAIN LUGS ONLY</p> <p>MS MOTOR STARTER</p> <p>MSB MAIN SWITCHBOARD</p> <p>MTS MANUAL TRANSFER SWITCH</p> <p>NC NORMALLY CLOSED</p> <p>NEC NATIONAL ELECTRICAL CODE</p> <p>NEMA NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION</p> <p>NIC NOT IN CONTRACT</p> <p>NL NIGHTLIGHT</p> <p>NO NORMALLY OPEN</p> <p>NTS NOT TO SCALE</p> <p>NVE NV ENERGY</p> <p>P POLE</p> <p>PHØ PHASE</p> <p>PV PHOTOVOLTAIC</p> <p>PNL PANEL</p> <p>PTG PV USA TEST CONDITIONS</p> <p>PWR POWER</p> <p>(R) RELOCATED</p> <p>RAC RIGID ALUMINUM CONDUIT</p> <p>RFC RIGID FIBERGLASS CONDUIT</p> <p>RSC RIGID STEEL CONDUIT</p> <p>SE SERVICE ENTRANCE</p> <p>SPD SURGE PROTECTION DEVICE</p> <p>SPDT SINGLE-POLE, DOUBLE-THROW</p> <p>SPST SINGLE-POLE, SINGLE-THROW</p> <p>STC STANDARD TEST CONDITIONS</p> <p>SW SWITCH</p> <p>TEL TELECOM</p> <p>TB TELEPHONE TERMINATION BOARD</p> <p>TYP TYPICAL</p> <p>UL UNDERWRITER'S LABORATORY</p> <p>UNO UNLESS NOTED OTHERWISE</p> <p>UNSW UNSWITCHED</p> <p>UPS UNINTERRUPTED POWER SUPPLY</p> <p>V VOLTS</p> <p>VA VOLT AMPS</p> <p>VFD VARIABLE FREQUENCY DRIVE</p> <p>W WATTS</p> <p>WP WEATHER PROOF</p> <p>(X) EXISTING TO BE REMOVED</p> <p>XFMR OR XF TRANSFORMER</p>
<p>☐ LIGHTING FIXTURE - LOWERCASE LETTER DENOTES SWITCHING (g = CENTER LAMP, b = OUTER LAMPS)</p> <p>☐ WALL MOUNTED FIXTURE</p> <p>☐ RECESSED DOWNLIGHT</p> <p>☐ SURFACE LUMINAIRE</p> <p>☐ POLE MOUNTED LIGHT (# OF HEADS INDICATED ON DRAWING)</p> <p>☐ FLUORESCENT STRIP FIXTURE</p> <p>☐ BOLLARD</p> <p>☐ RECESSED DOWNLIGHT (WALL WASH)</p> <p>☐ TRACK LIGHTING</p> <p>☐ EMERGENCY LIGHTING UNIT</p> <p>☐ EXIT SIGN FIXTURE - SHADED AREA DENOTES LIGHTED FACE - ARROWS DENOTE DIRECTION</p> <p>☐ EMERGENCY FIXTURE</p>	<p>☐ THERMOSTAT (PROVIDED BY MECH. CONTRACTOR UNO)</p> <p>☐ JUNCTION BOX (SIZE AS REQUIRED UNO)</p> <p>☐ SHEET NOTE DESIGNATION</p> <p>☐ FIXTURE DESIGNATION: FI=TYPE (SEE FIXTURE SCH.)</p> <p>☐ REVISION DELTA, NUMBER REPRESENTS REVISION</p> <p>☐ FEEDER DESIGNATION</p> <p>☐ EQUIPMENT CONNECTION</p>	<p>— CONDUIT/RACEWAY IN WALL OR ABOVE CEILING</p> <p>— CONDUIT/RACEWAY BELOW GRADE OR BELOW FLOOR</p> <p>○ CONDUIT/RACEWAY UP</p> <p>● CONDUIT/RACEWAY DOWN</p> <p>— BREAK OR RUN CONTINUES</p> <p>— OH— OVERHEAD SERVICE</p> <p>— P— PRIMARY</p> <p>— S— SECONDARY</p> <p>— C— COMMUNICATIONS OR SIGNAL</p> <p>— T— TELEPHONE</p> <p>— TV— TELEVISION</p> <p>— ··· LOW VOLTAGE AND/OR CONTROL WIRING</p> <p>— *-*-* EMERGENCY CIRCUIT</p> <p>— [ ] CONDUIT/RACEWAY STUB OUT, MARK AND CAP (SITE)</p> <p>— [ ] CONDUIT/RACEWAY SLEEVE</p>
<p>☐ SINGLE RECEPTACLE: 20A, 125V, NEMA 5-20, #18" AFF (UNO)</p> <p>☐ DUPLEX RECEPTACLE: 20A, 125V, NEMA 5-20, #18" AFF (UNO)</p> <p>☐ DUPLEX RECEPTACLE: HALF SWITCHED</p> <p>☐ DUPLEX RECEPTACLE: FLOOR MOUNTED</p> <p>☐ QUAD RECEPTACLE: 20A, 125V, NEMA 5-20, #18" AFF (UNO)</p> <p>☐ QUAD RECEPTACLE: FLOOR MOUNTED</p> <p>☐ ISOLATED GROUND TYPE RECEPTACLE (ORANGE TRIANGLE) - 20A, 125V, NEMA 5-20IG, #18" AFF (UNO)</p> <p>☐ DUPLEX RECEPTACLE GFI TYPE - 20A, 125V, NEMA 5-20 GFI #18" AFF (UNO)</p> <p>☐ DUPLEX RECEPTACLE: ABOVE COUNTER (VERIFY HEIGHT)</p> <p>☐ SPECIAL PURPOSE RECEPT. SEE DWGS FOR NEMA CONFIG.</p> <p>☐ DUPLEX RECEPTACLE: CEILING MOUNTED</p> <p>☐ MULTI-OUTLET ASSEMBLY: SPACING PER DWGS</p>	<p>☐ DATA / VOICE OUTLET: 18" AFF (UNO) - 1 VOICE, 1 DATA JACK, 2 BLANKS</p> <p>☐ DATA / VOICE OUTLET: FLOOR MOUNTED</p> <p>☐ DATA / VOICE OUTLET: ABOVE COUNTER (VERIFY HEIGHT)</p> <p>☐ MULTI-OUTLET ASSEMBLY: SPACING PER DWGS</p> <p>☐ TELEPHONE OUTLET: 18" AFF (UNO)</p> <p>☐ DATA OUTLET: 18" AFF (UNO)</p> <p>☐ SPEAKER</p> <p>☐ TELEVISION OUTLET: 18" AFF (UNO)</p> <p>☐ TELEPHONE TERMINAL BOARD (TTB)</p> <p>☐ VOLUME CONTROL</p> <p>☐ GROUNDING BAR</p>	<p>☐ HOMERUN TO PANELBOARD OR DEVICE</p> <p>☐ HOMERUN CIRCUIT DESIGNATION</p> <p>☐ GROUNDING CONDUCTOR</p> <p>☐ NEUTRAL CONDUCTOR (N=1, 2N=2 NEUTRALS, 3N=3 NEUTRALS)</p> <p>☐ PHASE CONDUCTOR(S)</p> <p>☐ PANELBOARD DESIGNATION</p> <p>☐ HOMERUN CIRCUIT DESIGNATION (3 PHASE CIRCUIT SHOWN)</p> <p>☐ GROUNDING CONDUCTOR</p> <p>☐ PHASE CONDUCTOR(S)</p> <p>☐ PANELBOARD DESIGNATION</p>
<p>☐ SINGLE POLE SWITCH 48" AFF (UNO)</p> <p>☐ THREE WAY SWITCH 48" AFF (UNO)</p> <p>☐ FOUR WAY SWITCH 48" AFF (UNO)</p> <p>☐ KEY OPERATED SWITCH 48" AFF (UNO)</p> <p>☐ SWITCH WITH LIGHTED HANDLE</p> <p>☐ MANUAL MOTOR STARTER</p> <p>☐ SWITCH WITH PILOT LIGHT 48" AFF (UNO)</p> <p>☐ TIME WALL SWITCH 48" AFF (UNO)</p> <p>☐ DIMMER OPERATED SWITCH 48" AFF (UNO)</p> <p>☐ OCCUPANCY SENSOR - WALL MOUNTED 48" AFF (UNO)</p> <p>☐ OCCUPANCY SENSOR - CEILING MOUNTED, ARROWS INDICATE COVERAGE, DIRECTION &amp; PATTERN. PROVIDE WITH POWER PACK PER MFG REQUIREMENTS.</p> <p>☐ CONTROL STATION</p> <p>☐ CONTACTOR OR RELAY</p> <p>☐ PHOTOELECTRIC CELL (ON ROOF FACING NORTH UNO)</p> <p>☐ TIMELOCK</p>	<p>☐ NORMALLY OPEN (NO) CONTACT</p> <p>☐ NORMALLY CLOSED (NC) CONTACT</p> <p>☐ COIL - VOLTAGE PER CONTROL DIAGRAMS</p> <p>☐ PILOT LIGHT (LED) PUSH-TO-TEST. LETTER INDICATES COLOR (R=RED, G=GREEN, A=AMBER, Y=YELLOW)</p> <p>☐ PILOT LIGHT (LED) NON PUSH-TO-TEST</p> <p>☐ THERMAL OVERLOAD</p> <p>☐ MAGNETIC OVERLOAD</p> <p>☐ PUSH BUTTON NORMALLY OPEN (NO)</p> <p>☐ PUSH BUTTON NORMALLY CLOSED (NC)</p> <p>☐ HAND-OFF-AUTO (HOA) SELECTOR SWITCH</p> <p>☐ LIMIT SWITCH NORMALLY OPEN (NO)</p> <p>☐ LIMIT SWITCH NORMALLY CLOSED (NC)</p> <p>☐ PUSH BUTTON ILLUMINATED (LED)</p>	<p>☐ SINGLE POLE CIRCUIT BREAKER</p> <p>☐ TWO POLE CIRCUIT BREAKER</p> <p>☐ THREE POLE CIRCUIT BREAKER</p> <p>☐ ARC FAULT CIRCUIT BREAKER</p> <p>☐ CONTROLLABLE CIRCUIT BREAKER</p> <p>☐ GFI CIRCUIT BREAKER</p> <p>☐ L = LIGHTING</p> <p>☐ R = RECEPTACLES</p> <p>☐ E = EQUIPMENT</p> <p>☐ M = MOTOR</p> <p>☐ M1 = LARGEST MOTOR</p> <p>☐ K = KITCHEN EQUIP</p> <p>☐ H = ELECTRIC HEAT</p>
<p>NOTE: THIS IS A MASTER SYMBOL LIST. IT MAY BE THAT NOT ALL SYMBOLS SHOWN ARE USED WITHIN THIS SET OF PLANS. HEIGHTS GIVEN ARE TO CENTER LINE OF DEVICE.</p>		

0  
one eighth inch = one foot  
0  
one quarter inch = one foot  
0  
one half inch = one foot  
0  
three quarters inch = one foot  
0  
one inch = one foot  
0  
one and one half inches = one foot  
0  
two inches = one foot  
0  
two and one half inches = one foot  
0  
three inches = one foot  
0  
three and one half inches = one foot  
0  
four inches = one foot  
0  
four and one half inches = one foot  
0  
five inches = one foot  
0  
five and one half inches = one foot  
0  
six inches = one foot  
0  
six and one half inches = one foot  
0  
seven inches = one foot  
0  
seven and one half inches = one foot  
0  
eight inches = one foot  
0  
eight and one half inches = one foot  
0  
nine inches = one foot  
0  
nine and one half inches = one foot  
0  
ten inches = one foot

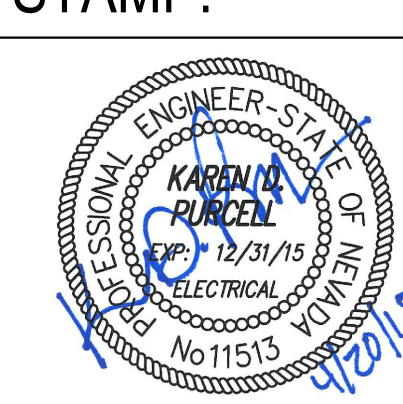
No.	Description	Date

**CONSULTANTS:**




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**STAMP:**



Professional Engineer - State of Nevada  
KAPRUD, PUBLER  
No 11513  
4/29/15

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JOB: 2010-080

**Drawing Title:**  
ELECTRICAL LEGEND

**Approved:** Project Director

**Project Title:**  
BLDG. 6 DOOR AND FAN COIL MODIFICATIONS  
DEPT. OF VETERANS AFFAIRS  
MEDICAL CENTER

**Project Number:** 654-15-556

**Building Number:** 6

**Drawing Number:** ES.001

**Date:** 4/21/15

**Checked:** KDP

**Drawn:** MSP

Dwg. 1 of 2

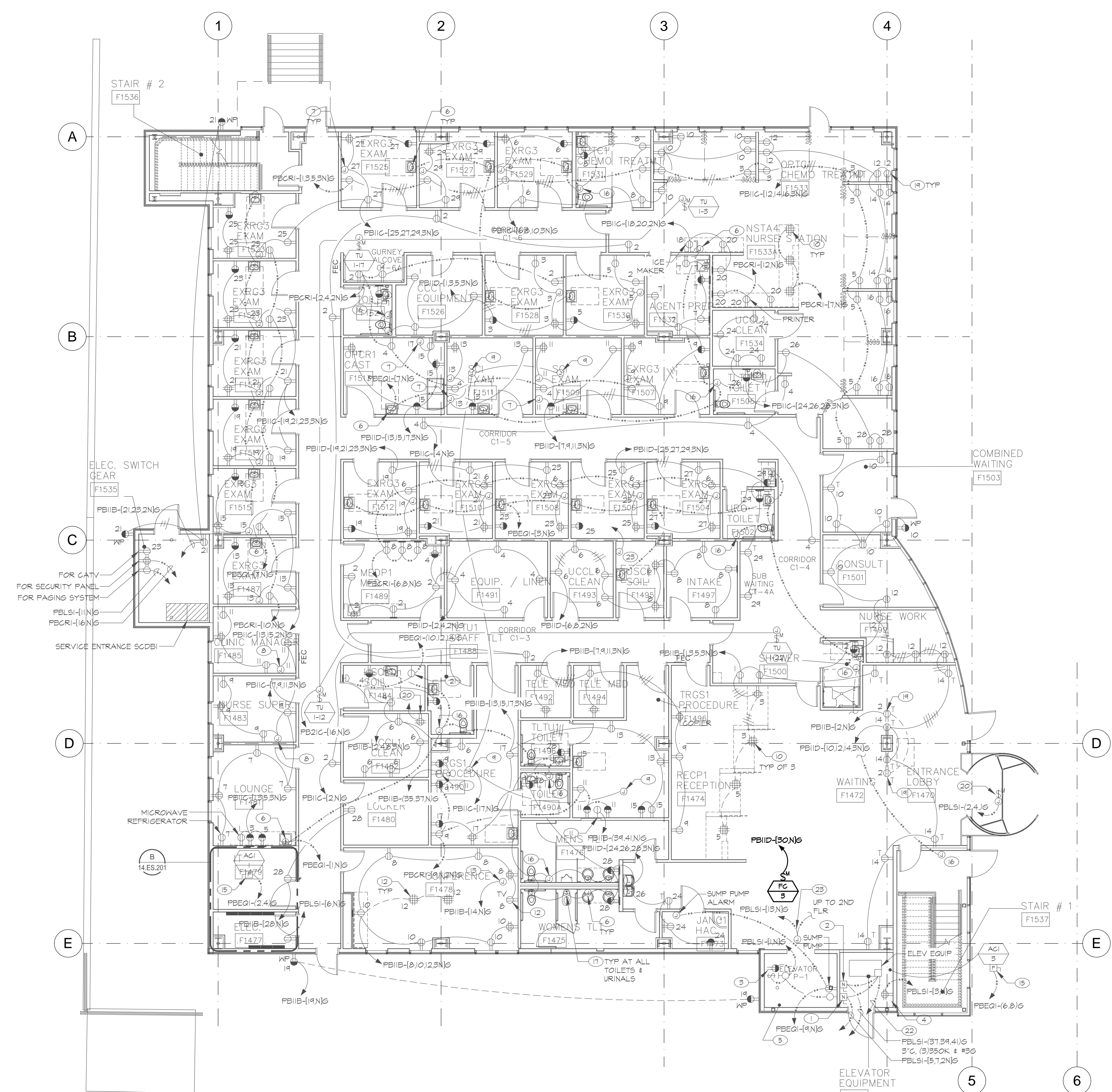
**Office of Construction and Facilities Management:**



**Department of Veterans Affairs**

100% BID DOCUMENTS

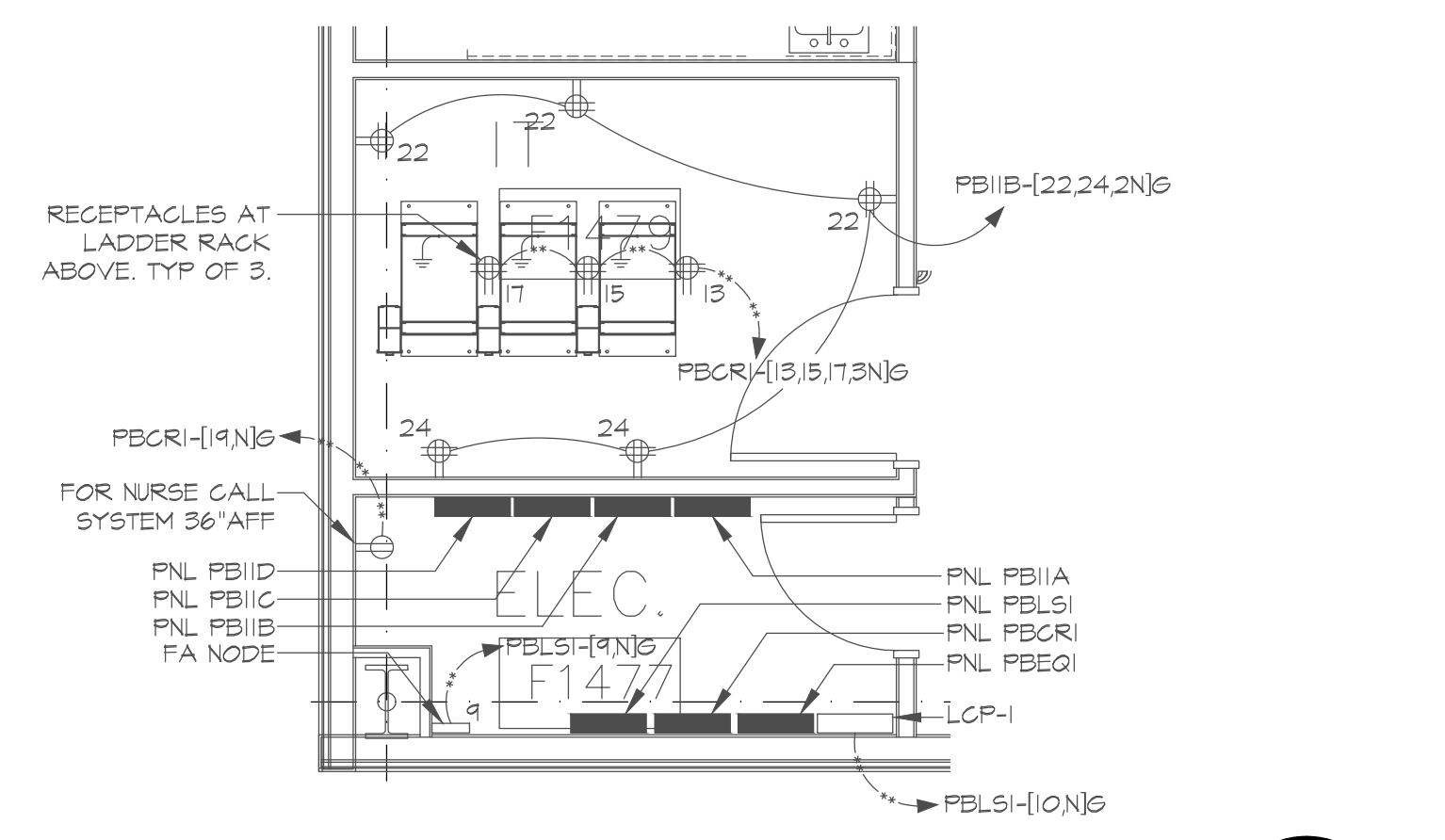
three inches = one foot  
 one and one half inches = one foot  
 one inch = one foot  
 three quarters inch = one foot  
 one half inch = one foot  
 three eighths inch = one foot  
 one eighth inch = one foot  
 one quarter inch = one foot  
 one eighth inch = one foot



**A** FIRST FLOOR POWER PLAN  
 ES.201 SCALE: 1/8" = 1'-0"

- SHEET NOTES**
- PROVIDE 30A/2P/FUSED MOTOR CIRCUIT DISCONNECT SWITCH, LOCKABLE IN THE OPEN POSITION FOR ELEVATOR CAR LIGHTS AND CONTROLS. PROVIDE ENGRAVED NAMEPLATE WITH THE FOLLOWING INFORMATION:  
 DISCONNECTING MEANS SHALL BE NUMBERED TO CORRESPOND TO THE IDENTIFYING NUMBER OF THE ELEVATOR CAR WHOSE LIGHT SOURCE THEY CONTROL.  
 THE DISCONNECTING MEANS SHALL BE PROVIDED WITH AN ENGRAVED NAMEPLATE TO IDENTIFY THE LOCATION OF THE SUPPLY SIDE OVERCURRENT PROTECTION DEVICE.
  - BUSMAN POWER MODULE SWITCH WITH SHUNT TRIP, BUSMAN PB4-T20-RI-G-A-FS. COORDINATE FINAL SIZE FOR ELEVATOR MOTOR WITH ARCHITECT.
  - IN ELEVATOR PIT, COORDINATE EXACT LOCATION WITH ELEVATOR MANUFACTURER. PROVIDE (2) KENALL E85-4B-252-RS-DV-2H-CP 4' FLUORESCENT FIXTURE MOUNTED VERTICALLY. COORDINATE EXACT LOCATION WITH ELEVATOR MANUFACTURER. DEVICES NEMA 4 RATED IN PIT.
  - ONLY EQUIPMENT AND WIRING ASSOCIATED WITH THE ELEVATOR EQUIPMENT IS PERMITTED WITHIN THE ELEVATOR MACHINE ROOM. PIPING AND WIRING NOT ASSOCIATED WITH THE ELEVATOR ARE NOT PERMITTED TO PASS THROUGH THIS ROOM.
  - NO PIPING, WIRING OR ANY EQUIPMENT NOT ASSOCIATED WITH THE ELEVATOR IS PERMITTED WITHIN THE ELEVATOR PIT OR HOISTWAY.
  - J-BOX BELOW SINK FOR ELECTRONIC SENSOR OPERATED FAUCET. CONNECT AS REQUIRED PER MANUFACTURER REQUIREMENTS.
  - J-BOX FOR FILM ILLUMINATOR.
  - J-BOX FOR FUTURE FILM ILLUMINATOR.
  - CEILING MOUNTED PATIENT LIFT. CONNECT CONTROLS AND EQUIPMENT AS REQUIRED.
  - COORDINATE FLOOR BOX LOCATION WITH ARCHITECT.
  - SPECIAL RECEPTACLE 208V/1Ø, 20A - COORDINATE RECEPTACLE CONFIGURATION WITH VA RENOV.
  - FLUSH FLOOR BOX. SEE DETAIL D/14ES.401. COORDINATE EXACT LOCATION WITH ARCHITECT.
  - FOR CEILING MOUNTED PROJECTION SCREEN. CONNECT MOTOR AND CONTROLS AS REQUIRED. COORDINATE EXACT LOCATION WITH ARCHITECT.
  - COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR.
  - 30A/2P/FPEN DISCONNECT SWITCH, NEMA 1, 250V.
  - CONNECT TRAP PRIMER AS REQUIRED. COORDINATE WITH PLUMBING CONTRACTOR.
  - CONNECT FLUSHMETER AS REQUIRED. COORDINATE ROUGH-IN WITH MANUFACTURER AND PLUMBING CONTRACTOR.
  - NOT USED.
  - FOR TV. COORDINATE MOUNTING HEIGHT WITH ARCHITECT.
  - CONNECT REVOLVING DOOR AS REQUIRED. COORDINATE ROUGH-IN LOCATION AND ALL REQUIREMENTS WITH MANUFACTURER.
  - PROVIDE EPO SWITCH AT DOOR FOR EMERGENCY SHUT OFF. PROVIDE TWIST-LOCK RECEPTACLE AS REQUIRED BY MANUFACTURER (FOR MACERATOR). COORDINATE ALL REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN.
  - CONNECT TO CONTACTS AT ATS TO PROVIDE FOR ILLUMINATED SIGNAL "ELEVATOR EMERGENCY POWER" LIGHT IN ELEVATOR LOBBY. PROVIDE RELAY CONTACTS AND CONNECT AS REQUIRED BY ELEVATOR MANUFACTURER.
  - CONNECT TO SMOKE GUARD SYSTEM AT ELEVATOR AS REQUIRED BY MANUFACTURER.

- GENERAL NOTES**
- SEE ENLARGED ARCHITECTURAL PLANS FOR EXACT LOCATION OF DEVICES AND EQUIPMENT.

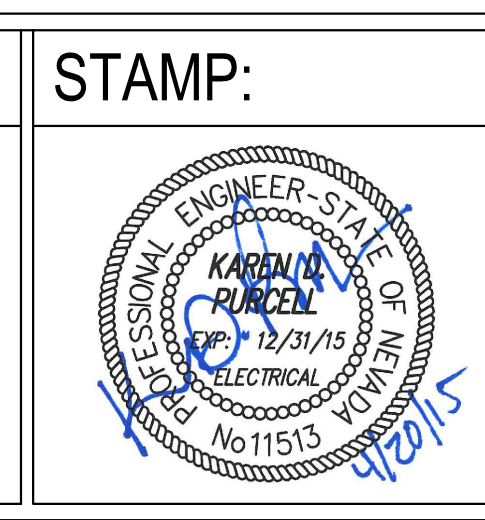


**B** ENLARGED ELECTRICAL POWER PLAN  
 ES.201 SCALE: 1/4" = 1'-0"

No.	Description	Date

**CONSULTANTS:**

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**Drawing Title:** FIRST FLOOR POWER PLAN

**Approved:** Project Director

<b>Project Title:</b> BLDG. 6 DOOR AND FAN COIL MODIFICATIONS DEPT. OF VETERANS AFFAIRS MEDICAL CENTER	<b>Project Number:</b> 654-15-556
<b>Location:</b>	<b>Building Number:</b> 6
<b>Date:</b> 4/21/15	<b>Drawing Number:</b> ES.201
<b>Checked:</b> KDP	<b>Drawn:</b> MSP
<b>Dwg. 2 of 2</b>	

**Office of Construction and Facilities Management:**

**Department of Veterans Affairs**