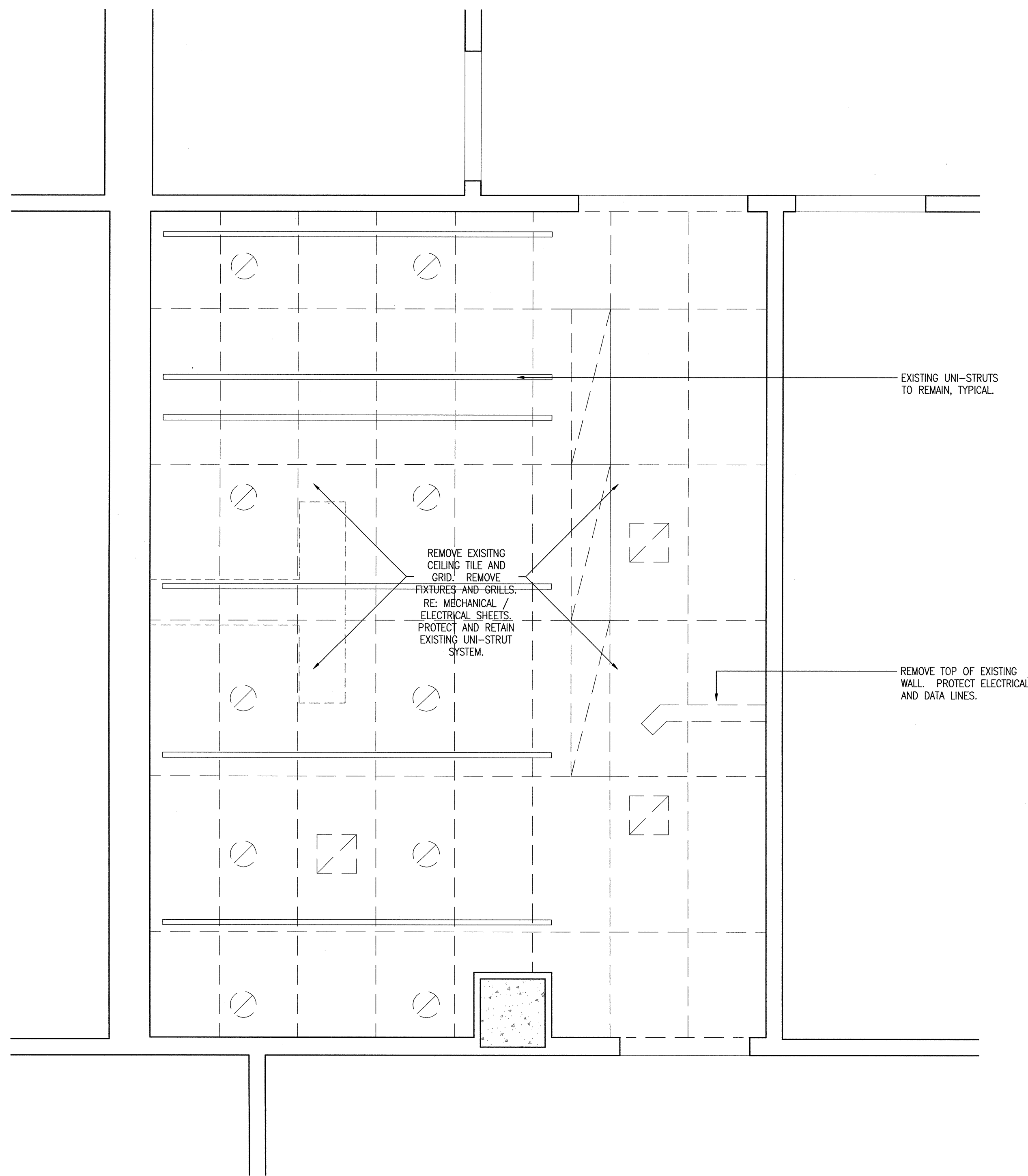
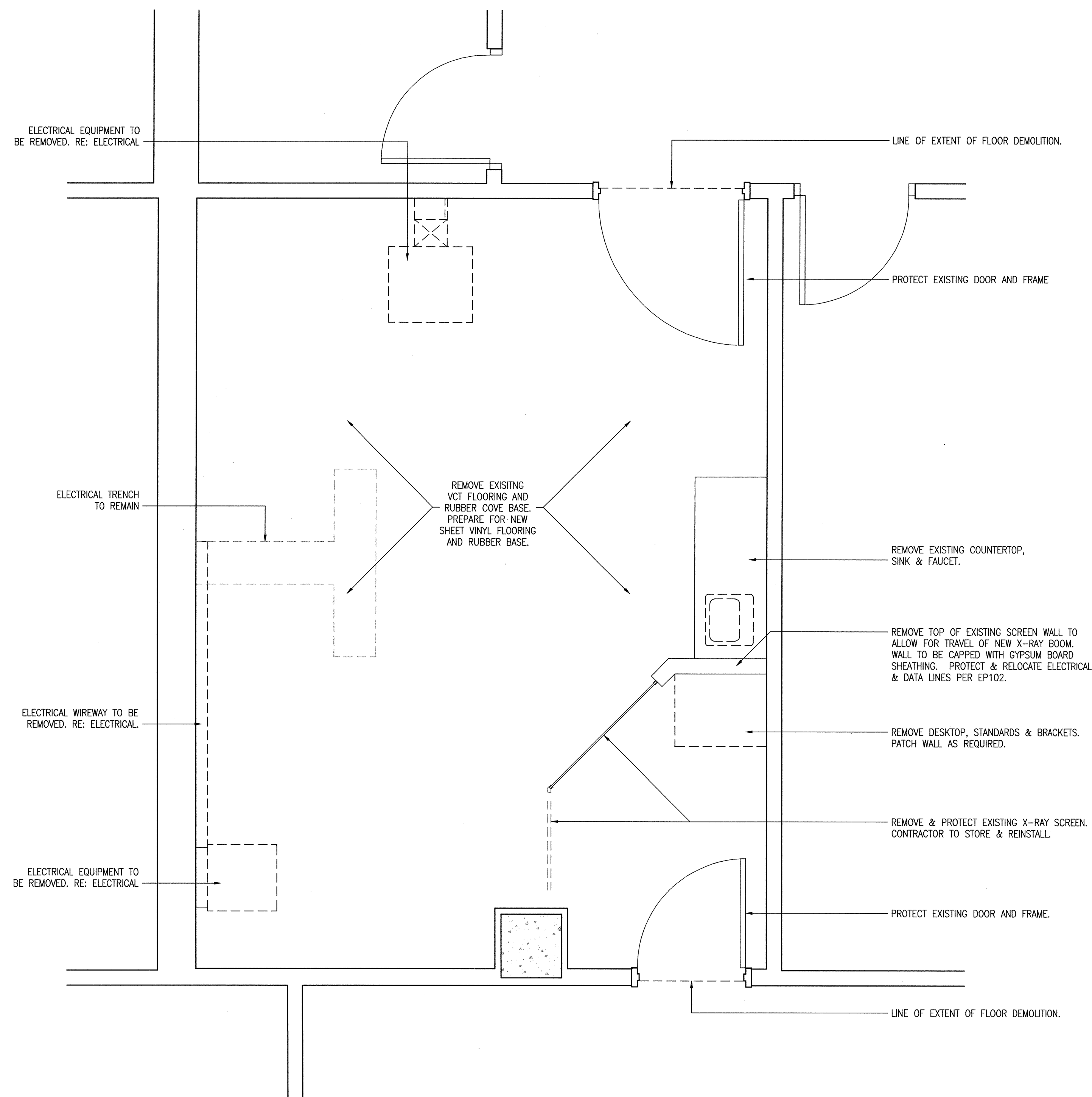


one eighth inch = one foot
one quarter inch = one foot
three eighths inch = one foot
one half inch = one foot
three quarters inch = one foot
one inch = one foot
one and one half inches = one foot
two inches = one foot
three inches = one foot
four inches = one foot
six inches = one foot
eight inches = one foot
ten inches = one foot
twelve inches = one foot
fourteen inches = one foot
sixteen inches = one foot
eighteen inches = one foot
twenty inches = one foot
twenty-two inches = one foot
twenty-four inches = one foot
twenty-six inches = one foot
twenty-eight inches = one foot
thirty inches = one foot
thirty-two inches = one foot
thirty-four inches = one foot
thirty-six inches = one foot
thirty-eight inches = one foot
forty inches = one foot
forty-two inches = one foot
forty-four inches = one foot
forty-six inches = one foot
forty-eight inches = one foot
fifty inches = one foot
fifty-two inches = one foot
fifty-four inches = one foot
fifty-six inches = one foot
fifty-eight inches = one foot
sixty inches = one foot
sixty-two inches = one foot
sixty-four inches = one foot
sixty-six inches = one foot
sixty-eight inches = one foot
seventy inches = one foot
seventy-two inches = one foot
seventy-four inches = one foot
seventy-six inches = one foot
seventy-eight inches = one foot
eighty inches = one foot
eighty-two inches = one foot
eighty-four inches = one foot
eighty-six inches = one foot
eighty-eight inches = one foot
ninety inches = one foot
ninety-two inches = one foot
ninety-four inches = one foot
ninety-six inches = one foot
ninety-eight inches = one foot
one hundred inches = one foot



2 ARCHITECTURAL DEMOLITION CEILING PLAN
1/2" = 1'-0"



1 ARCHITECTURAL DEMOLITION FLOOR PLAN
1/2" = 1'-0"

100% Construction Documents	02/03/12
95% Design Review	01/06/12
65% Design Review	11/04/11
33% Design Review	09/30/11
Revisions	Date

ARCHITECTS/ENGINEERS/CONSULTANTS:		
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PHONE: 405 - 272 - 1072
OK CERTIFICATE OF AUTHORITY NO: 02295

Drawing Title ARCHITECTURAL DEMOLITION PLAN / CEILING DEMOLITION PLAN

Project Title Site Prep for X-Ray Room #2 Jack C. Montgomery VA Med. Center
Location V.A.M.C. Muskogee, OK
Date 02/03/12
Checked SAC
Drawn MUH

Project Number 623-10-106
Building Number 1
Drawing Number AD101

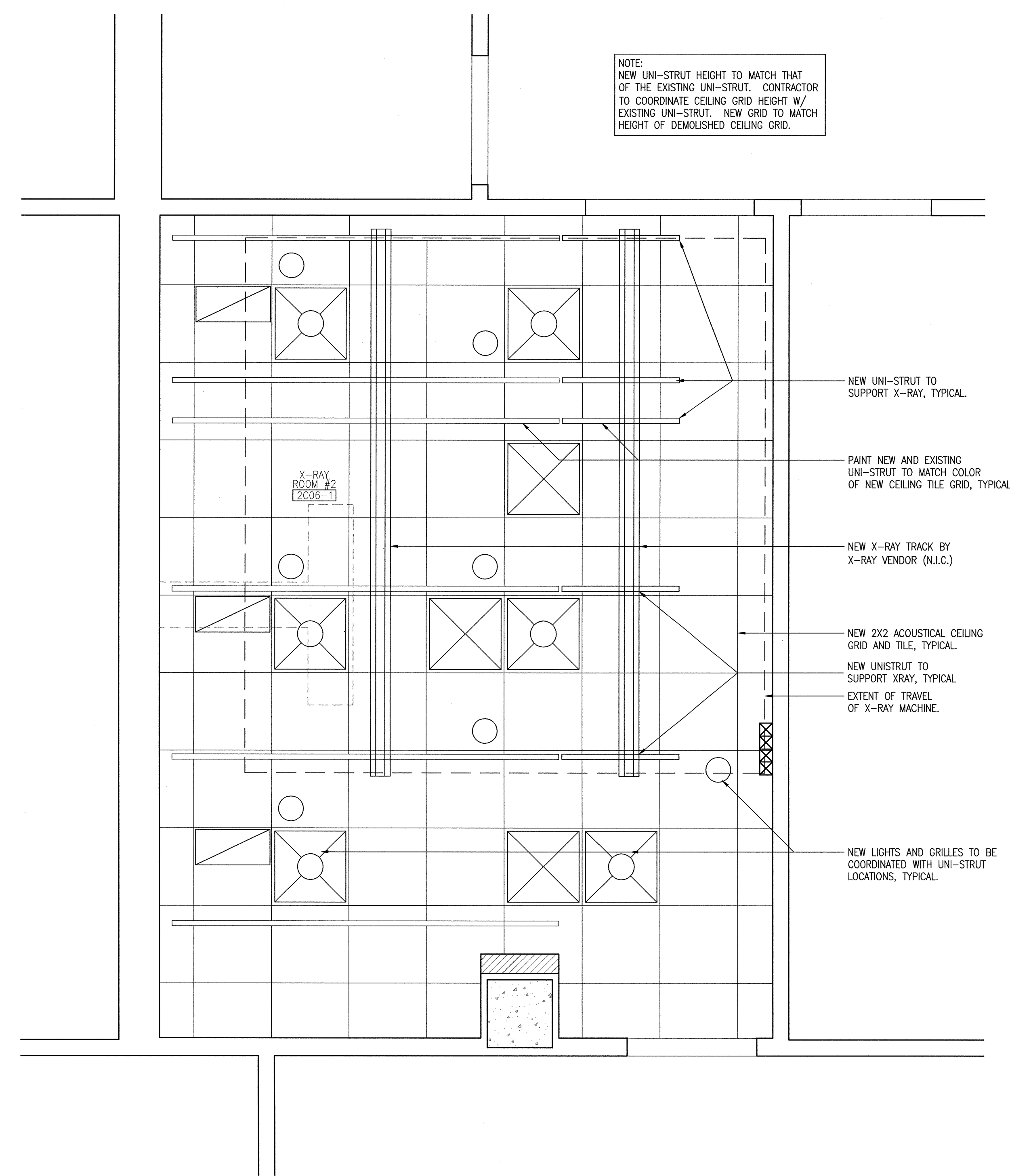
Office of
Construction
and Facilities
Management
Department of
Veterans Affairs

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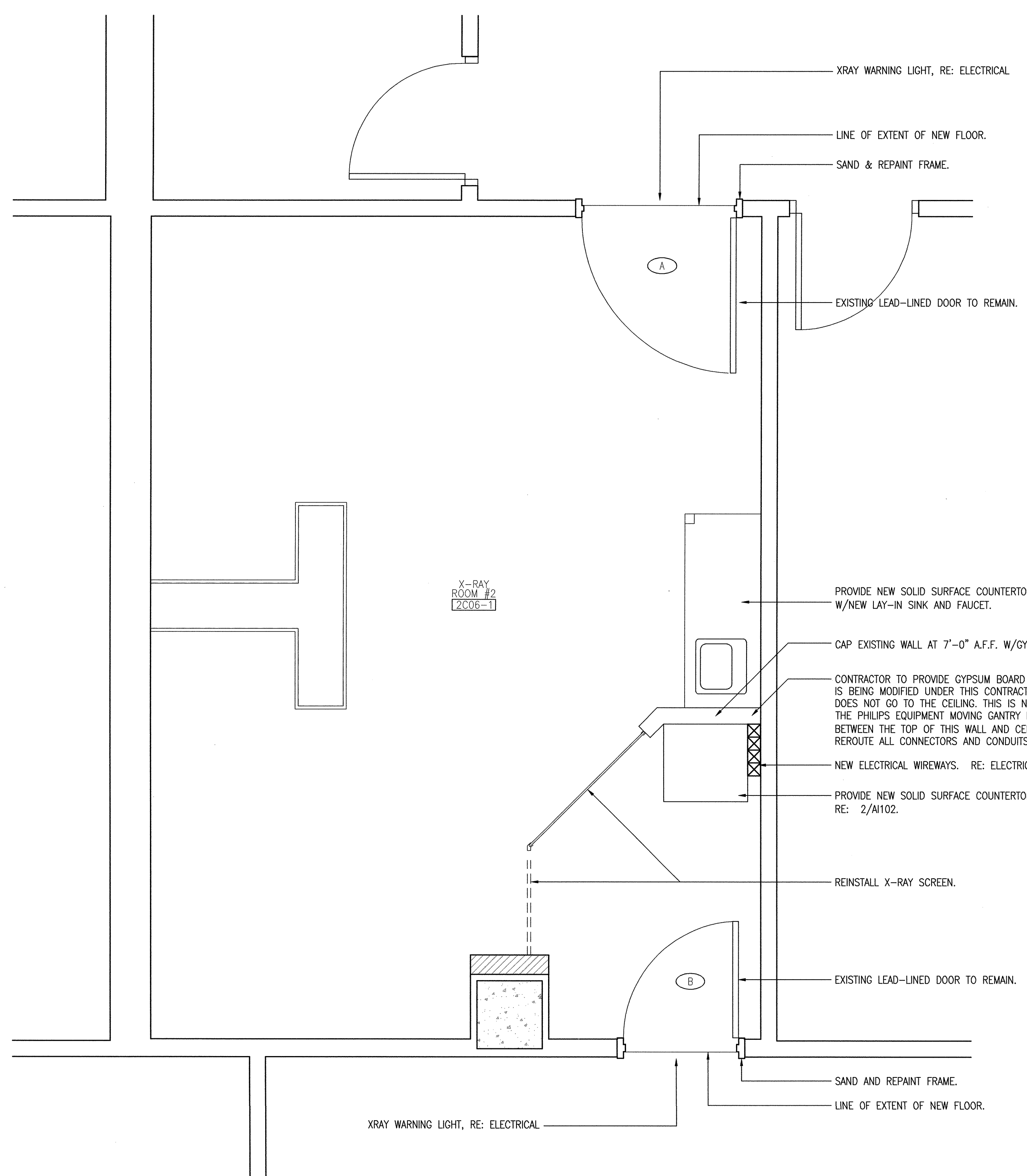
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one inch = one foot
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one half inch = one foot
three eighths inch = one foot
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one eighth inch = one foot

REFLECTED CEILING PLAN LEGEND




- SUPPLY AIR GRILLE
- SUPPLY AIR GRILLE
- 2' X 2'
- LED CAN LIGHT



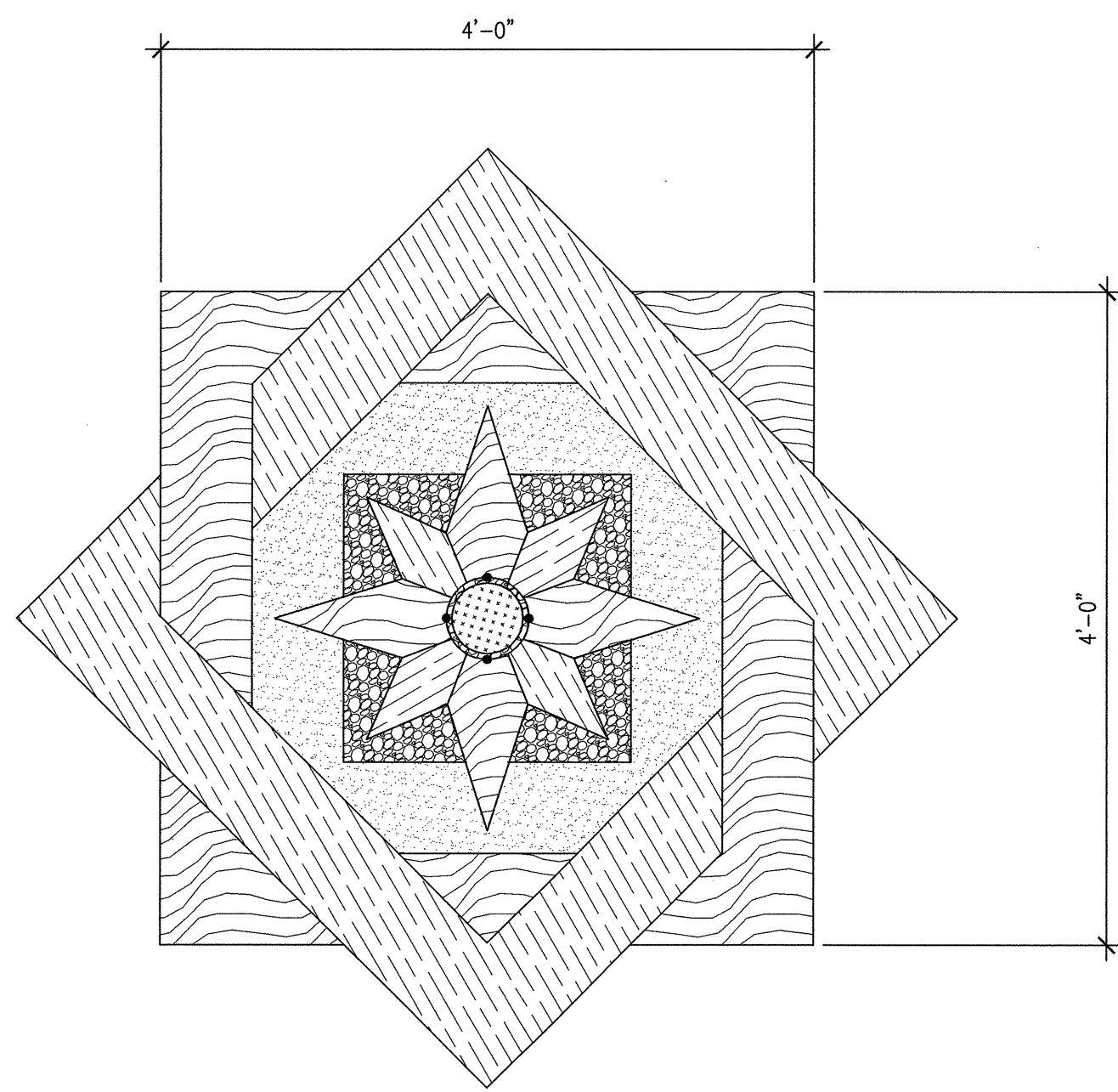
1 ARCHITECTURAL REFLECTED CEILING PLAN
1/2" = 1'-0"



1 ARCHITECTURAL FLOOR PLAN
1/2" = 1'-0"

ARCHITECTS/ENGINEERS/CONSULTANTS:		ARCHITECT: SPUR DESIGN LLC One Santa Fe Plaza, Suite 101 Oklahoma City, Oklahoma 73102		MEP ENGINEER: Lee & Browne Consulting Engineers, Inc. 1207 S. Sheridan Road Tulsa, Oklahoma 74112		HEALTHCARE CONSULTANT: JUNK ARCHITECTS 802 Broadway, 5th Floor Kansas City, Missouri 64105				 SPUR DESIGN ARCHITECTURE - INTERIOR DESIGN - GREEN DESIGN ONE SANTA FE PLAZA, SUITE 101 OKLAHOMA CITY, OKLAHOMA 73102 WWW.SPUR-DESIGN.COM PHONE: 405 - 272 - 1072 OK CERTIFICATE OF AUTHORITY NO: 02295		Drawing Title ARCHITECTURAL FLOOR PLAN / REFLECTED CEILING PLAN		Project Title Site Prep for X-Ray Room #2 Jack C. Montgomery VA Med. Center		Project Number 623-10-106 Building Number 1		Office of Construction and Facilities Management  Department of Veterans Affairs	
100% Construction Documents		02/03/12		01/06/12		11/04/11		09/30/11		Date		Date		Checked SAC		Drawn MUH		A101	

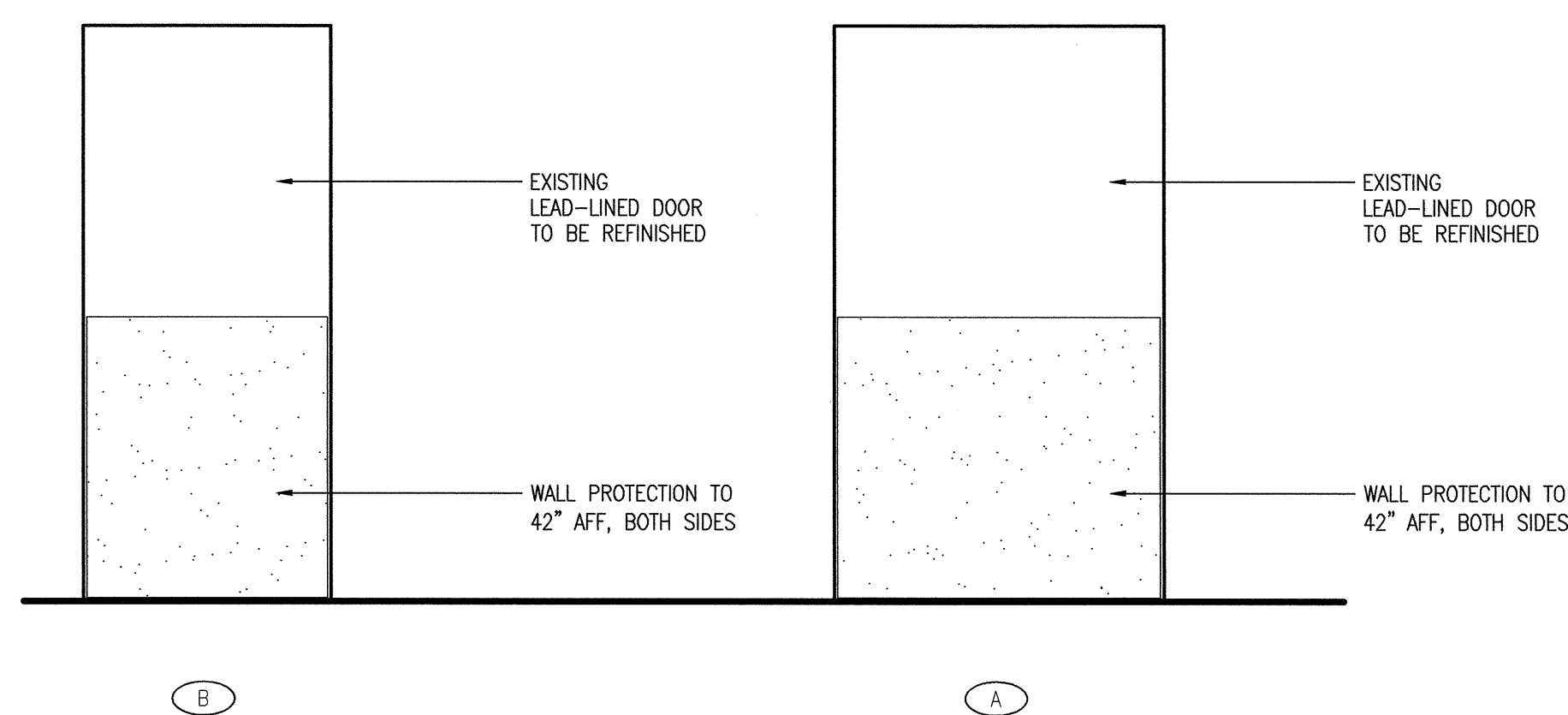
FULLY SPRINKLERED



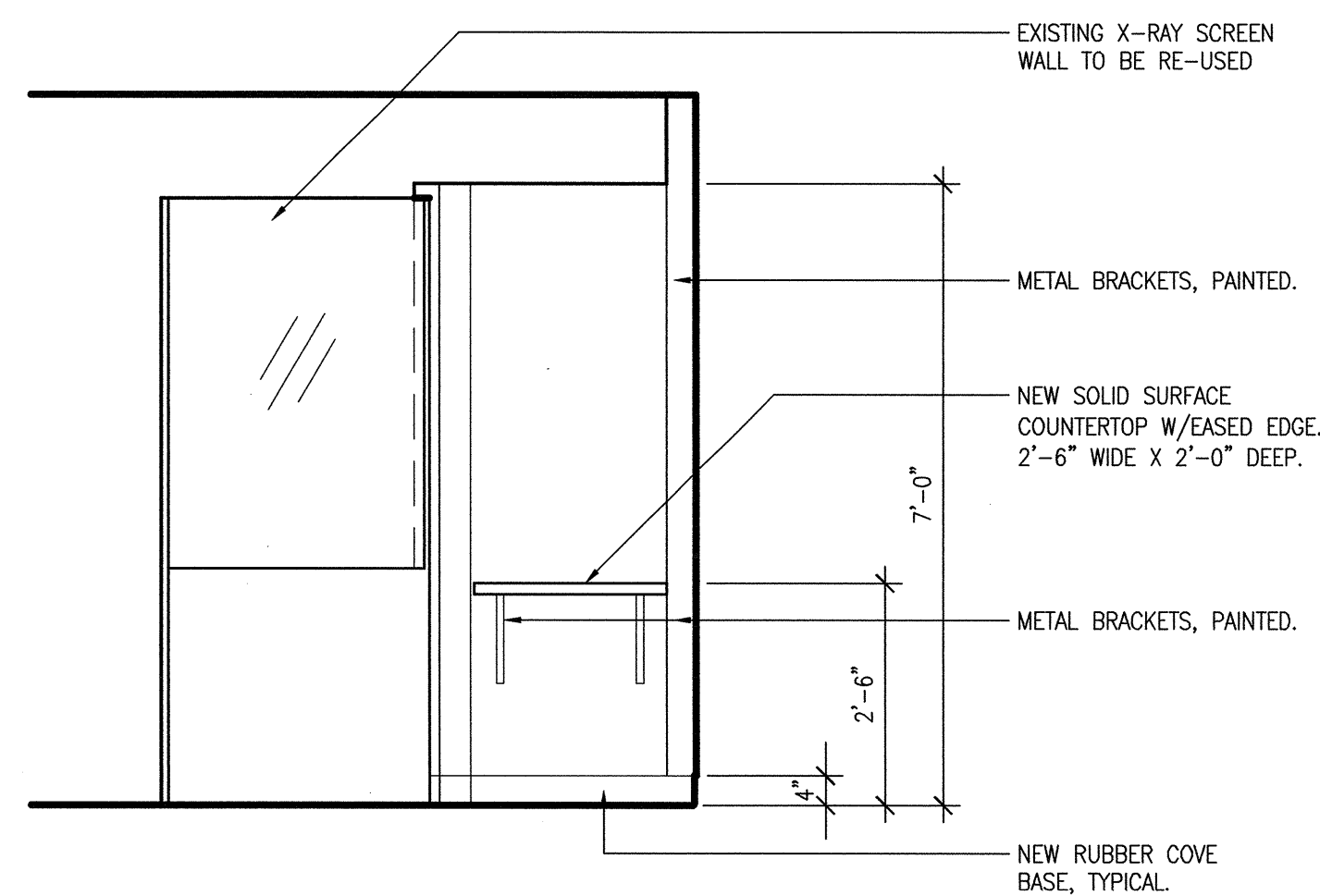
4 FLOORING MEDALLION DETAIL
1/2" = 1'-0"

- 31112 ROSEWOOD
- 52206 FRUITWOOD
- 8659 AZUL PLATINO
- 8658 AYES GREEN
- 8661 KASHMERE CREME

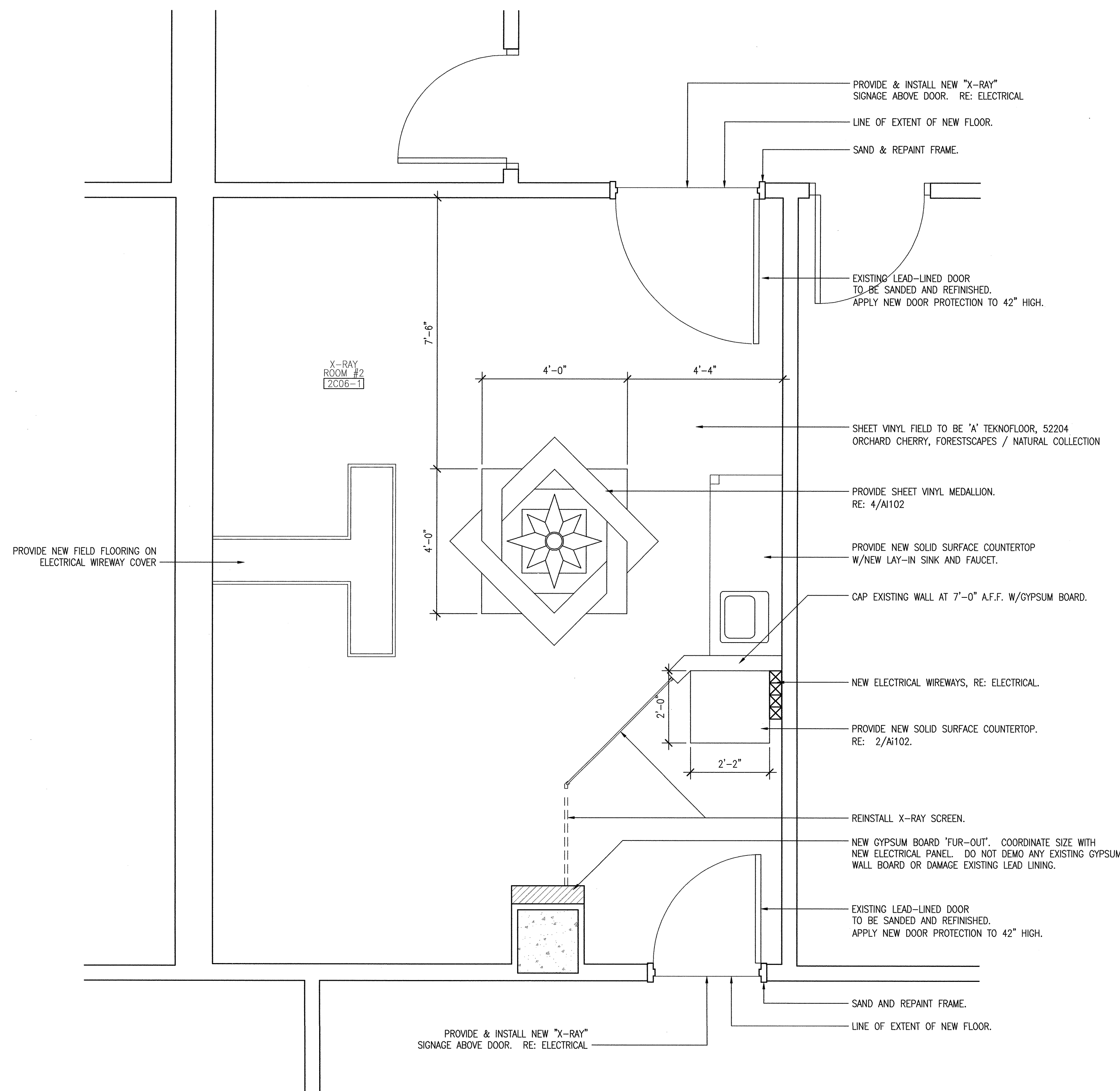
NOTE:
MITER CORNERS; MATCH SEAM
WELD TO DARKER COLOR.



3 EXISTING DOOR ELEVATIONS
1/2" = 1'-0"



2 MILLWORK ELEVATION
1/2" = 1'-0"



1 FLOOR FINISH PLAN
1/2" = 1'-0"

- FINISH MATERIAL LIST:
- FLOORING:
TEKNOFLOOR, 52204 ORCHARD CHERRY, FORESCAPES / NATURAL COLLECTION (FIELD)
TEKNOFLOOR, 31112 ROSEWOOD, FORESCAPES / NATURAL COLLECTION
TEKNOFLOOR, 52206 FRUITWOOD, FORESCAPES / NATURAL COLLECTION
TEKNOFLOOR, 8659 AZUL PLATINO, FORESCAPES / NATURAL COLLECTION
TEKNOFLOOR, 8658 AYES GREEN, FORESCAPES / NATURAL COLLECTION
TEKNOFLOOR, 8661 KASHMERE CREME, FORESCAPES / NATURAL COLLECTION
- BASE:
ROPPE 193 "BLACK BROWN", PINNACLE COVER (RUBBER ONLY) 4 1/2" TALL
- WALL PAINT:
SHERWIN WILLIAMS "DUTCH TILE BLUE" SW0031, SEMI-GLOSS FINISH
- DOOR FRAME PAINT:
SHERWIN WILLIAMS "INTELLECTUAL GRAY" SW7045, SEMI-GLOSS FINISH
- COUNTERTOPS:
DU PONT ZODIAQ "SPACE BLACK", NO JOINTS W/EASED EDGE
- SINK:
STAINLESS STEEL, LAY-IN, SINGLE BOWL (SEE MECHANICAL)
- CEILING:
ARMSTRONG 703 REGULAR EDGE 2X2 CEILING TILE
- UNI-STRUT PAINT:
GLOSS FINISH, COLOR TO MATCH CEILING TILE GRID
- DOOR PROTECTION:
ACROVYN 4000, #194 "CHINCHILLA" W/ SUEDE TEXTURE

100% Construction Documents	02/03/12
99% Design Review	01/08/12
66% Design Review	11/04/11
33% Design Review	09/30/11
Revisions:	Date

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Drawing Title
FINISH PLAN AND SCHEDULE

Project Title
Site Prep for X-Ray Room #2
Jack C. Montgomery VA Med. Center

Project Number
623-10-106
Building Number
1

Location
V.A.M.C. Muskogee, OK

Date
02/03/12
Checked
SAC
Drawn
MJH

A102

Office of
Construction
and Facilities
Management



FULLY SPRINKLERED

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CAD#24568 JAN-30-12 L&B PROJECT #5956

100% Construction Documents	02/08/12
95% Design Review	01/06/12
90% Design Review	11/04/11
35% Design Review	09/30/11
Revisions	Date

ARCHITECTS/ENGINEERS/CONSULTANTS:		
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Drawing Title
X-RAY ROOM #2 MECHANICAL PLANS

Project Title
**Site Prep for X-Ray Room #2
Jack C. Montgomery VA Med. Center**

Location
V.A.M.C. Muskogee, OK

Date
02/08/12

Checked
MFB

Drawn
RWF

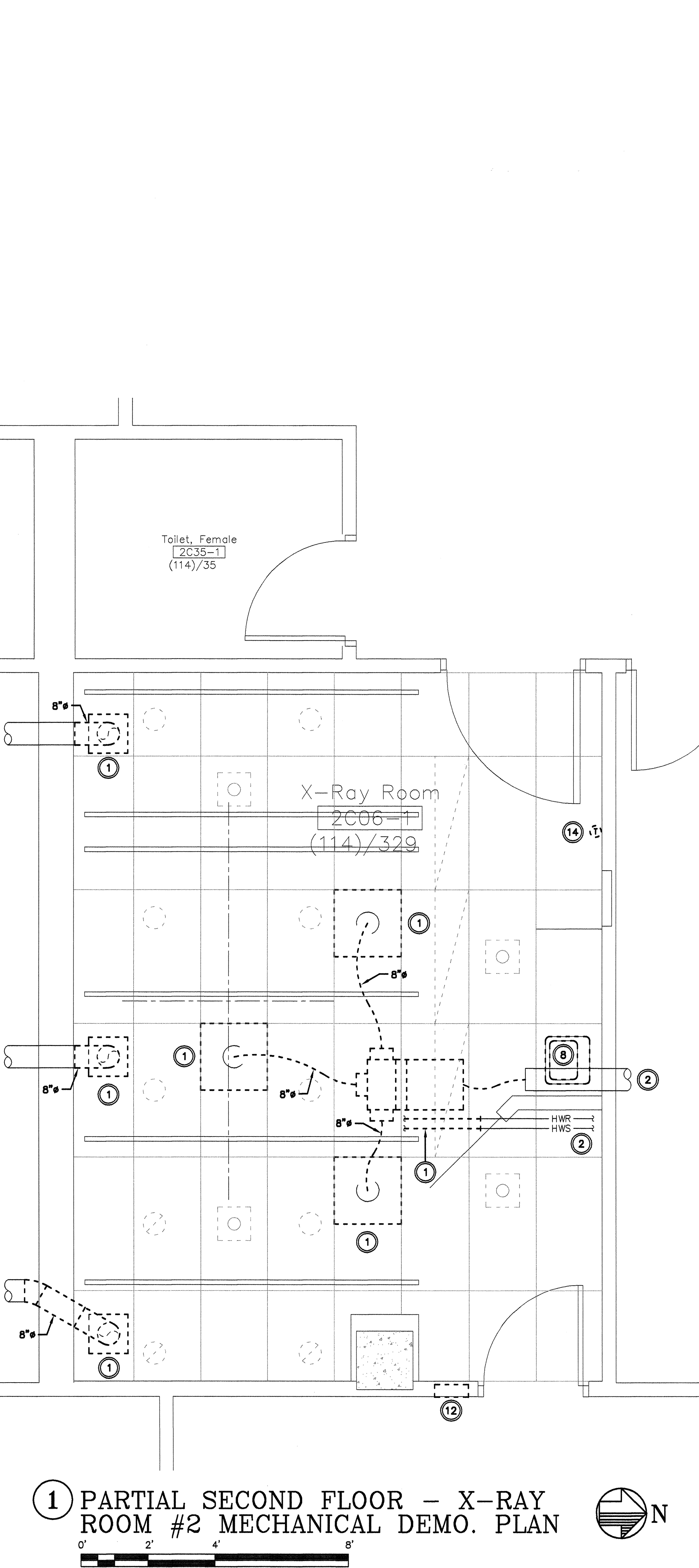
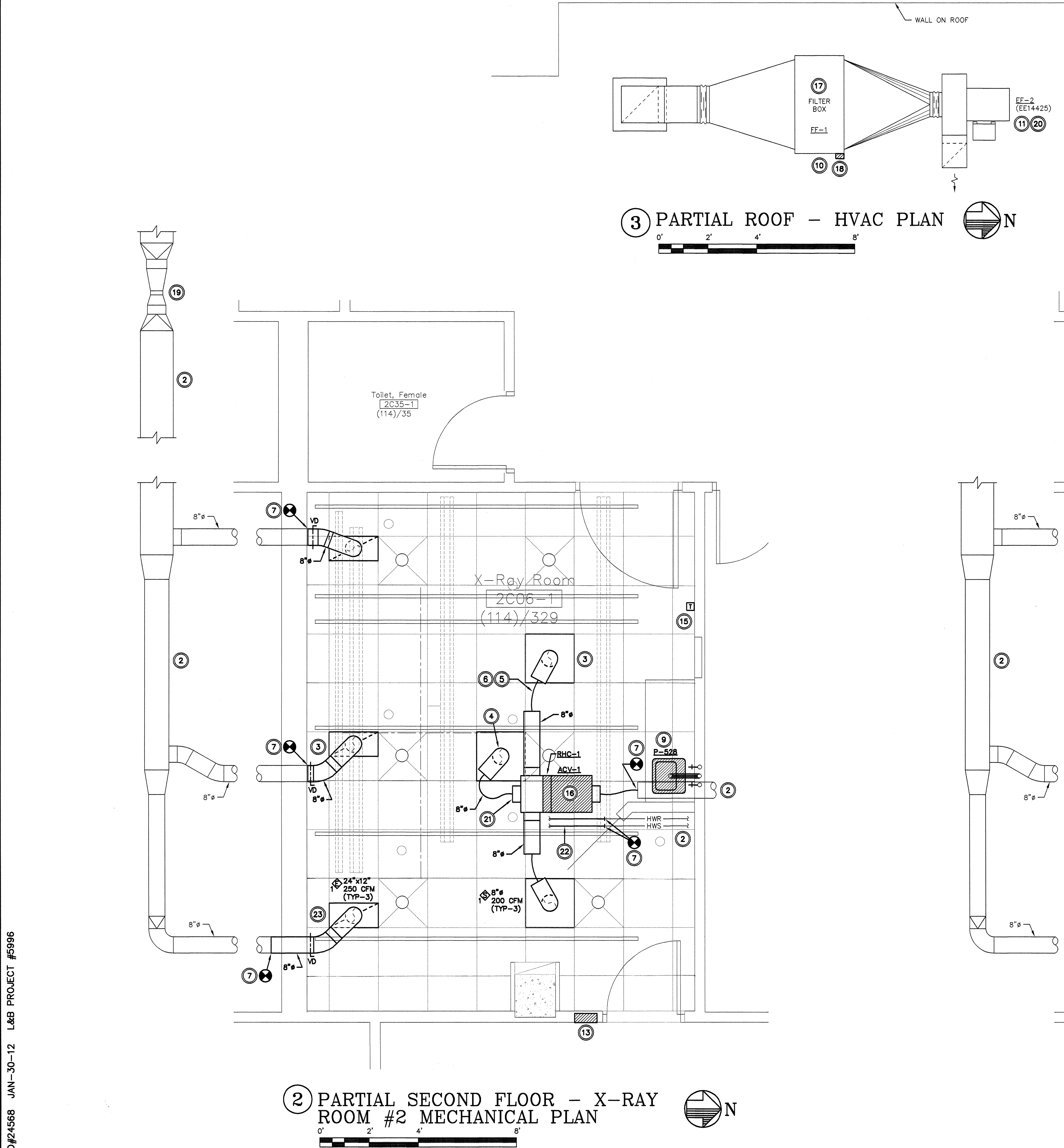
Project Number
623-10-106

Building Number
1

Drawing Number
M101

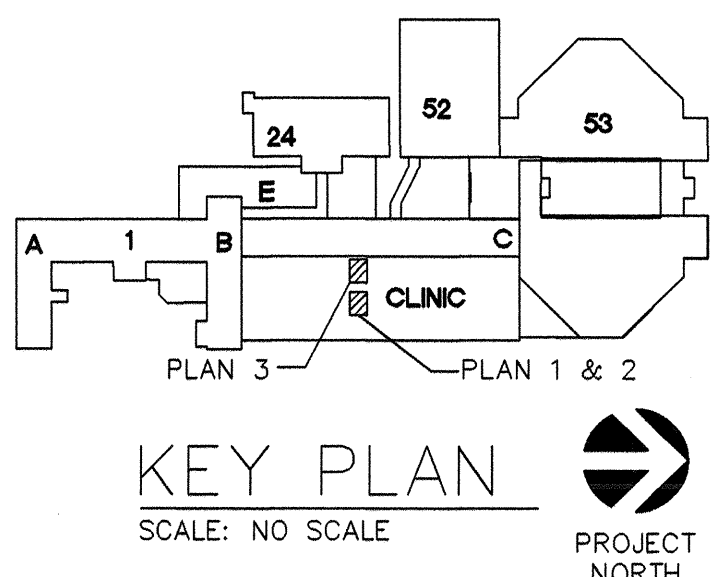
Office of
**Construction and
Facilities
Management**

Department of
Veterans Affairs



- NOTES:**
- 1 REMOVE EXISTING ITEMS SHOWN BOLD AND DASHED (TYPICAL).
 - 2 EXISTING ITEMS TO REMAIN SHOWN LIGHT (TYPICAL).
 - 3 NEW WORK SHOWN BOLD (TYPICAL).
 - 4 PROVIDE RIGID ELBOW ABOVE ALL SUPPLY AIR DIFFUSERS, WHERE SPACE ALLOWS. USE A MAXIMUM OF 18" IN LENGTH OF FLEXIBLE DUCT TO CONNECT TO ELBOW.
 - 5 FLEXIBLE DUCT (TYPICAL).
 - 6 RUNOUTS TO DIFFUSERS SHALL BE THE SAME SIZE AS THE DIFFUSER NECK, UNLESS NOTED OTHERWISE (TYPICAL).
 - 7 CONNECT TO EXISTING (TYPICAL), FIELD VERIFY EXACT SIZE AND LOCATION.
 - 8 REMOVE EXISTING SINK AT THIS APPROXIMATE LOCATION.
 - 9 PROVIDE NEW SINK AT THIS LOCATION AND RECONNECT TO EXISTING SERVICES THAT PREVIOUSLY SERVED SINK AT THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT LOCATION AND SIZES OF EXISTING PIPING. REFER TO PLUMBING FIXTURE SPECIFICATION SECTION 224000 FOR FIXTURE DESCRIPTION.
 - 10 REMOVE EXISTING FILTERS AND INSTALL NEW FILTERS. REFER TO SCHEDULE. REPAIR OR PROVIDE NEW FASTENERS AND GASKETS TO ASSURE PROPER SEAL.
 - 11 MEASURE AIRFLOW OF EXISTING EXHAUST FAN BEFORE ANY DEMOLITION OR NEW WORK OCCURS. PROVIDE TYPE WRITTEN REPORT SHOWING MEASURED AIRFLOW, STATIC PRESSURES, AND FAN MOTOR AMP DRAW TO ENGINEER AND OWNER BEFORE PROCEEDING WITH ANY NEW OR DEMOLITION WORK. CONTRACTOR SHALL RECEIVE WRITTEN APPROVAL FROM ENGINEER ABOUT RECEIVING REPORT BEFORE PROCEEDING WITH ANY NEW OR DEMOLITION WORK.
 - 12 REMOVE EXISTING EXHAUST CONTROL MONITORING PANEL. COORDINATE WITH GENERAL CONTRACTOR FOR PATCHING OF EXISTING WALL. MATCH EXISTING CONDITIONS.
 - 13 INSTALL NEW EXHAUST CONTROL MONITORING PANEL. PANEL SHALL HAVE VISUAL ALARM AND SHALL TIE INTO EXISTING NIAGARA DDC ENTERPRISE CONTROL SERVER. PROVIDE ALL ALARMS ON CONTROL SERVER. PROVIDE DIFFERENTIAL PRESSURE SWITCH TO MONITOR PRESSURE INSIDE AND OUTSIDE OF ROOM TO CONFIRM NEGATIVE PRESSURE. PROVIDE DOOR SWITCHES TO CONFIRM DOORS ARE CLOSED. PROVIDE ALL REQUIRED PRESSURE PORTS, WIRING, AND TUBING. COORDINATE ALL ELECTRICAL LINE VOLTAGE REQUIREMENTS WITH ELECTRICAL CONTRACTOR.
 - 14 REMOVE EXISTING THERMOSTAT. REMOVE EXISTING PNEUMATIC TUBING BACK TO MAINS AND CAP.
 - 15 INSTALL NEW TEMPERATURE SENSOR TIED INTO EXISTING DDC CONTROL SYSTEM. REFER TO 5/MD101.
 - 16 INSTALL NEW AIR CONTROL VALVE AND REHEAT COIL. REFER TO SCHEDULES AND DETAIL 5/MD101 FOR ADDITIONAL INFORMATION. MAINTAIN CLEARANCE IN FRONT OF CONTROLLER FOR SERVICE CLEARANCE.
 - 17 INSTALL NEW PRESSURE PORTS AND TUBING TO NEW PRESSURE DROP GAUGE.
 - 18 INSTALL MAGNEHELIC PRESSURE DROP GAUGE FOR MONITORING PRESSURE DROP ACROSS FILTERS. PRESSURE DROP RANGE SHALL MATCH INSTALLATION. GAUGE SHALL BE MADE FOR OUTDOOR USE. COORDINATE EXACT LOCATION WITH OWNER. PROVIDE DIFFERENTIAL PRESSURE SWITCH TIED INTO EXISTING DDC CONTROL SERVER TO PROVIDE MAINTENANCE ALARM FOR FILTER REPLACEMENT.
 - 19 MEASURE AIRFLOW OF EXISTING PHOENIX BRAND AIR CONTROL VALVE BEFORE ANY DEMOLITION OR NEW WORK OCCURS. PROVIDE TYPE WRITTEN REPORT SHOWING MEASURED AIRFLOW AND STATIC PRESSURES TO ENGINEER AND OWNER BEFORE PROCEEDING WITH ANY NEW OR DEMOLITION WORK. CONTRACTOR SHALL RECEIVE WRITTEN APPROVAL FROM ENGINEER ABOUT RECEIVING REPORT BEFORE PROCEEDING WITH ANY NEW OR DEMOLITION WORK. REBALANCE EXISTING AIR CONTROL VALVE TO OBTAIN NEW AIRFLOW QUANTITIES.
 - 20 REBALANCE EXISTING EXHAUST FAN TO OBTAIN NEW AIRFLOW SHOWN ON DRAWINGS COMBINED WITH EXISTING EXHAUST AIR QUANTITY TO REMAIN. COORDINATE AIR QUANTITY WITH ENGINEER. REPLACE SHEAVE(S), BELT(S), AND PULLEY(S), AS REQUIRED.
 - 21 SPIN-IN VOLUME EXTRACTOR. SEE DETAIL 4/MD101.
 - 22 SEE DETAIL 5/MD101 FOR REHEAT COIL PIPING INFORMATION. PROVIDE ALL NEW PIPING AND DEVICES TO COIL. MATCH EXISTING PIPE SIZE.
 - 23 DUCTED EXHAUST REGISTER. SEE DETAIL 3/MD101.

NOTE:
CONTROLS CONTRACTOR SHALL PROVIDE ALL NEW CONTROL WIRING WITH NO SPLICING OF EXISTING WIRING ALLOWED. ALL EXISTING CONTROL WIRING AND PNEUMATIC TUBING THAT IS NO LONGER NEEDED IN THIS AREA SHALL BE REMOVED.



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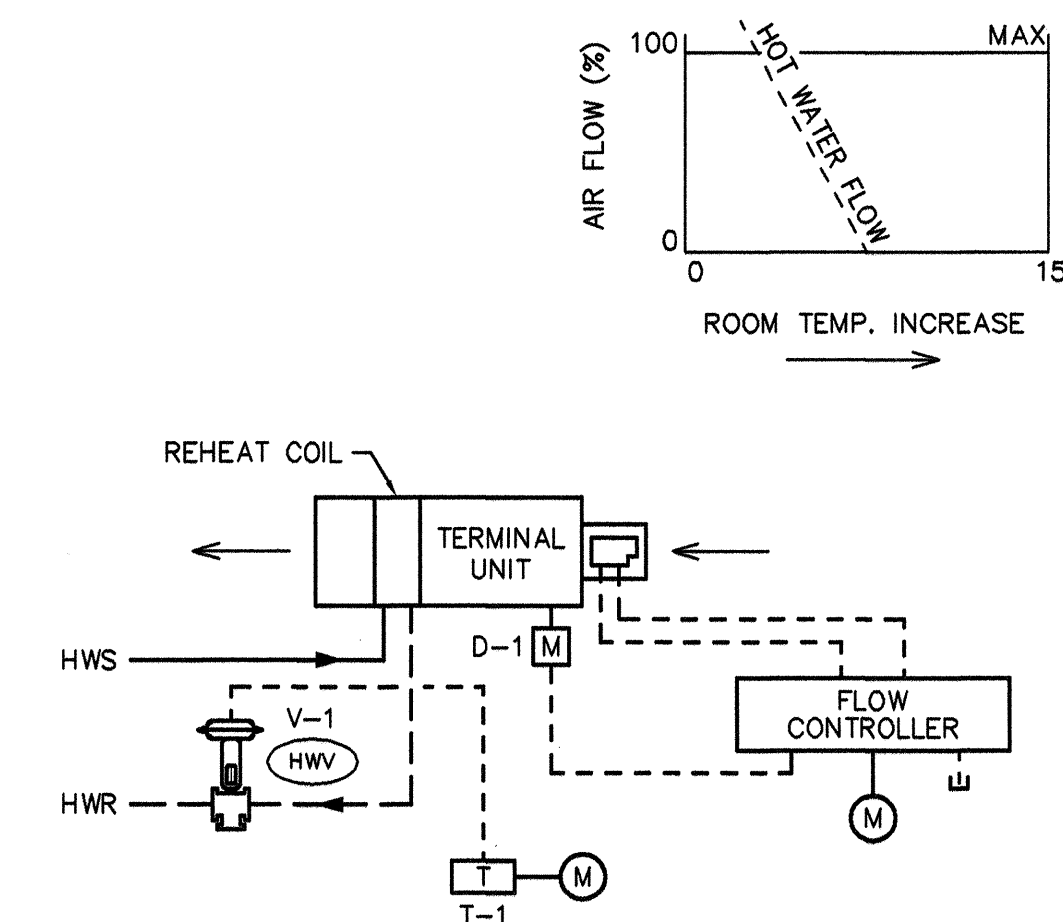
MECHANICAL LEGEND

CC	CANVAS CONNECTION	EAT	ENTERING AIR TEMPERATURE
◇	DIFFUSER OR GRILLE NOTATION	TEMP	TEMPERATURE
CFM	CUBIC FEET PER MINUTE OF AIR	UH	UNIT HEATER
⊙	THERMOSTAT	BTUH	BTU PER HOUR
⊕	HUMIDISTAT	MBTUH	THOUSANDS OF BTU PER HOUR
⊞	TEMPERATURE SENSOR	GPM	GALLONS PER MINUTE
⊠	HUMIDITY SENSOR	RPM	REVOLUTIONS PER MINUTE
BDD	BACKDRAFT DAMPER	TDH	TOTAL DYNAMIC HEAD
VD	VOLUME DAMPER	DIA	DIAMETER
FD	FIRE DAMPER	CENT	CENTRIFUGAL
26/10	DUCTWORK WITH TURNING VANES (DOUBLE WALL). SIZE INDICATED IS CLEAR INSIDE DIMENSION.	PSI	POUNDS PER SQUARE INCH
	VOLUME DAMPER IN DUCTWORK	ΔP	PRESSURE DIFFERENCE
⊞	SUPPLY AIR DUCT UP/DOWN	HP	HORSEPOWER
⊞	RETURN OR EXHAUST AIR DUCT UP/DOWN	KW	KILOWATTS
45°	45° TAKE-OFF PER SMACNA FIG. 2-6	PH	PHASE
OA	OUTSIDE AIR	W.G.	WATER GAUGE
RA	RETURN AIR	S.P.	STATIC PRESSURE
SA	SUPPLY AIR	N.O.	NORMALLY OPEN
BOT	BOTTOM ELEVATION	N.C.	NORMALLY CLOSED
AFF	ABOVE FINISHED FLOOR	B.S.	BIRDSCREEN
DN	DOWN	ALUM	ALUMINUM
CONN	CONNECTION OR CONNECTED	CS	CONDENSER WATER SUPPLY
⊞	CONNECTION POINT TO EXISTING	CR	CONDENSER WATER RETURN
AHU	AIR HANDLING UNIT	CWS	CHILLED WATER SUPPLY
EF	EXHAUST FAN	CWR	CHILLED WATER RETURN
EWT	ENTERING WATER TEMPERATURE	HWS	HEATING WATER SUPPLY
LWT	LEAVING WATER TEMPERATURE	HWR	HEATING WATER RETURN

LEGEND		
D-1	CONSTANT VOLUME MODULATING DAMPER WITH PNEUMATIC OPERATOR	MAINTAINS CONSTANT AIR FLOW TO SPACE.
V-1	2-WAY MODULATING CONTROL VALVE WITH PNEUMATIC OPERATOR	PROPORTIONS FLOW OF HEATING WATER TO COIL IN RESPONSE TO T-1.
T-1	ELECTRONIC TEMPERATURE SENSOR	CONTROLS V-1 TO MAINTAIN ROOM TEMPERATURE.

SEQUENCE OF OPERATION

- AIR FLOW TO SPACE SHALL REMAIN AT CONSTANT SCHEDULED CFM INDEPENDENT OF STATIC PRESSURE CHANGES IN SUPPLY AIR. ON A DROP IN ROOM TEMPERATURE BELOW THE SET POINT, ROOM TEMPERATURE SENSOR T-1 SHALL MODULATE VALVE V-1 TO MAINTAIN REQUIRED TEMPERATURE.



6 AIR TERMINAL UNIT CONTROL DIAGRAM (CONSTANT VOLUME WITH REHEAT COIL) NO SCALE

DUCT PRESSURE CLASSES

FAN NO.	DUCT INVOLVED	POSITIVE (P) OR NEGATIVE (N) PRESSURE	MINIMUM PRESSURE CLASS, IN. W.G.
AHU SYSTEM	FROM AHU TO TERMINAL UNIT	P	4
	DOWNSTREAM OF TERMINAL UNIT	P	2 RECTANGULAR 10 ROUND (SPIRAL)
	RETURN AIR	N	2 THRU 24" DUCT 4 ABOVE 24" DUCT
EACH EXHAUST SYSTEM	DUCTS 24" & SMALLER IN EITHER DIMENSION	N	2
	DUCTS GREATER THAN 24" IN EITHER DIMENSION	N	4
ALL SYSTEMS	ROUND DUCTS (SPIRAL)	N/P	10
	OVAL DUCTS (SPIRAL)	N/P	10

DUCT LEAKAGE CLASSIFICATION AND ALLOWABLE LEAKAGE

DUCT PRESSURE CLASS, W.G.	SEAL CLASS	APPLICABLE SEALING	SMACNA LEAKAGE CLASS	
			RECTANGULAR DUCT	ROUND DUCT
1/2", 1", 2"	C	TRANSVERSE JOINTS ONLY	24	12
3"	B	TRANSVERSE JOINTS AND SEAMS	12	6
4", 6", 10"	A	JOINTS, SEAMS AND ALL WALL PENETRATIONS	6	3

GRILLE & REGISTER SCHEDULE

MARK	TYPE	NECK	DAMPER	FINISH	REMARKS
S-1	24"x24" FULL FACE SQUARE CEILING DIFFUSER	ROUND	OBD	WHITE	LAY-IN, 3-CONE, DIE STAMPED STEEL
E-1	24"x12" EGGRATE ALUMINUM EXHAUST GRILLE	RECTANGULAR	OBD	ALUM.	LAY-IN, 1/2"x1/2" EGGRATE GRID

AIRFLOW CONTROL VALVE SCHEDULE

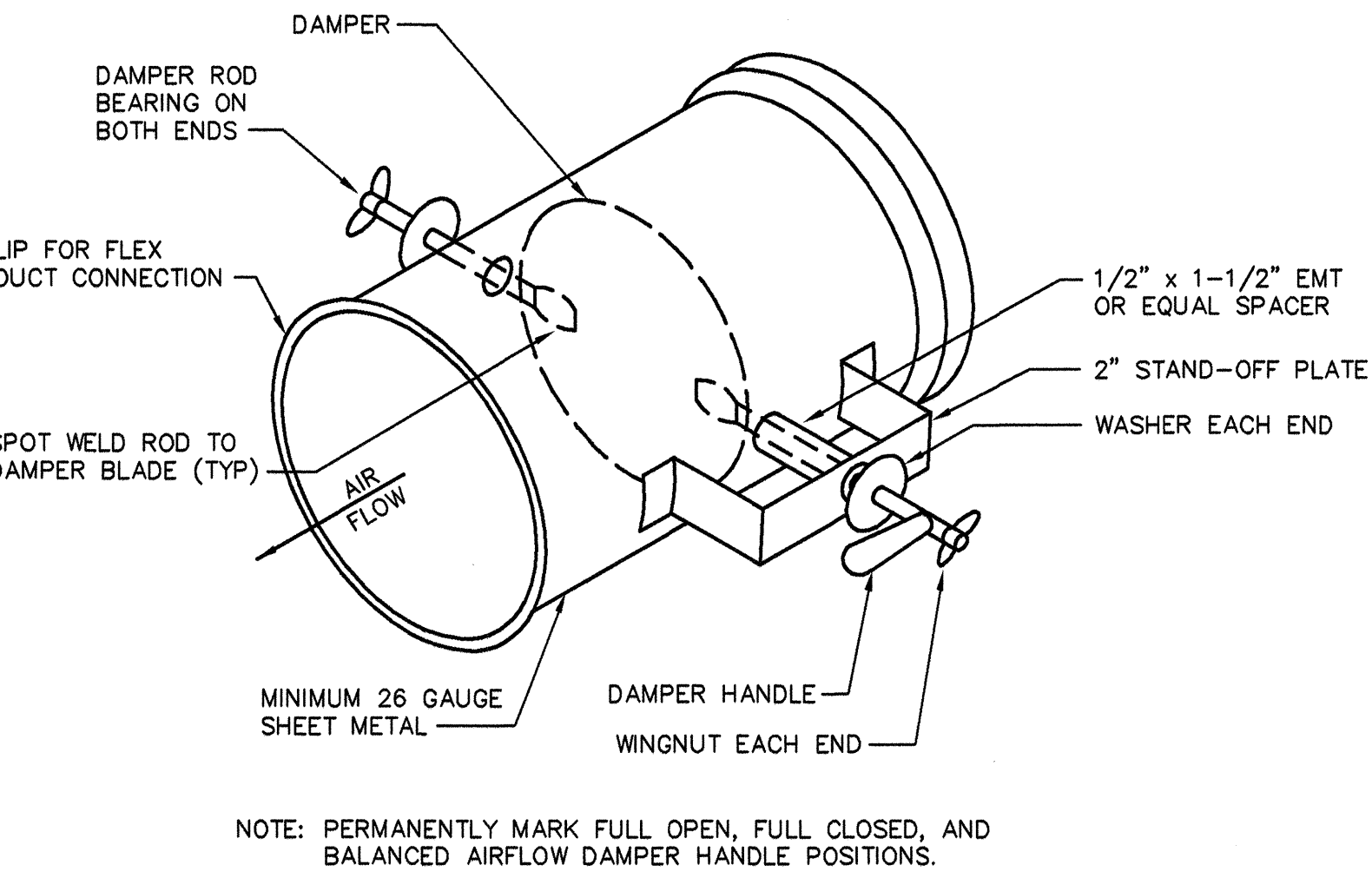
AIR CONTROL VALVE DESIGNATION	VALVE DESCRIPTION	AIR FLOW CFM		SIZE	REMARKS
		MINIMUM	MAXIMUM		
ACV-1	ISOLATION ROOM SUPPLY	600	600	8" VALVE	1
REMARKS: 1. PROVIDE WITH MONITOR, TRANSFORMER, DOOR SWITCHES, AND PRESSURE SWITCHES.					

HYDRONIC HEATING COIL SCHEDULE

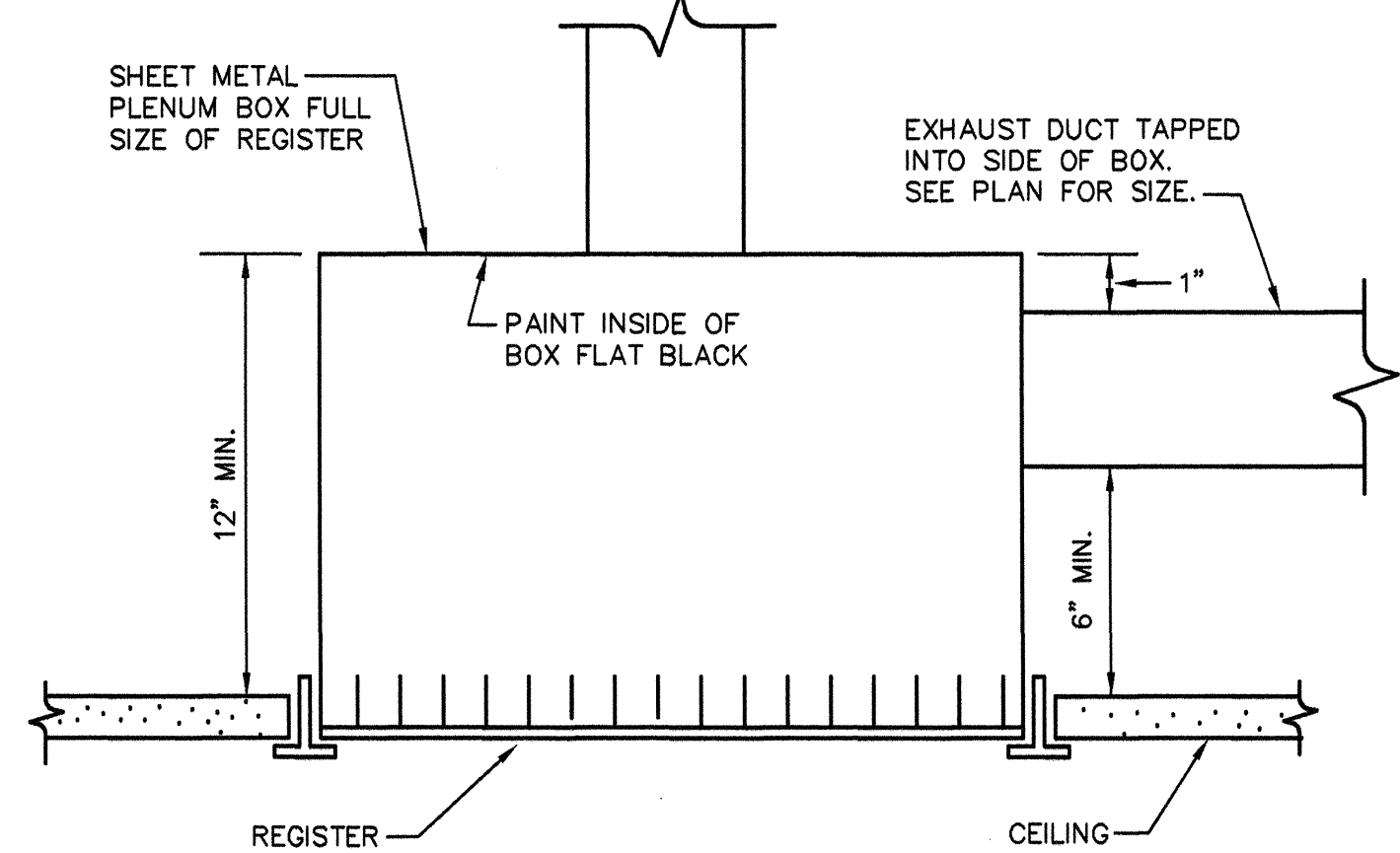
COIL TAG	CAPACITY (MBH)	AIR FLOW (CFM)	AIR TEMP. (°F)		AIR PRESSURE DROP (IN. W.G.)	WATER FLOW (GPM)	WATER TEMP. (°F)		WATER PRESSURE DROP (FEET)
			ENT.	LV.			ENT.	LV.	
RHC-1	35	600	55	110	0.7	1	180	111	0.2
NOTE: PROVIDE 4 ROW COIL WITH 5/8 INCH DIAMETER TUBES.									

AIR FILTER SCHEDULE

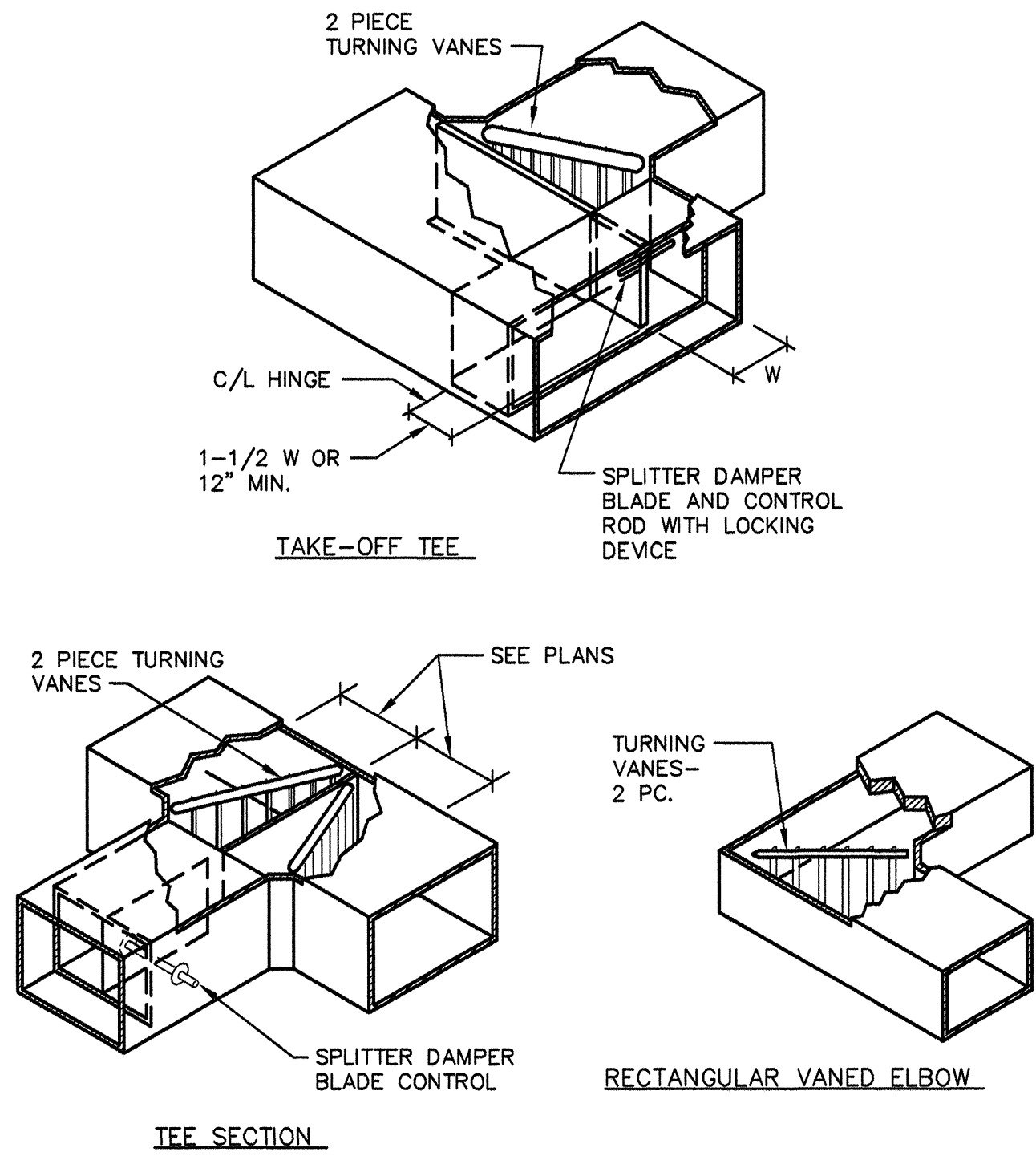
UNIT NO.	SYSTEM	PRE-FILTER MEDIA			AFTER-FILTER MEDIA		
		SIZE HxWxD, IN.	QTY.	MERV	SIZE HxWxD, IN.	QTY.	MERV
FF-1	EXHAUST	24x24x2	2	8	24x24x12	2	17
NOTE: AFTER-FILTER MEDIA SHALL BE HIGH CAPACITY TYPE WITH A MAXIMUM PRESSURE DROP OF 0.6" W.G. AT 1,000 CFM FOR A 24"x24" SIZE. FILTERS MUST FIT INTO EXISTING FARR BRAND FILTER RACK WITHOUT MAJOR MODIFICATIONS.							



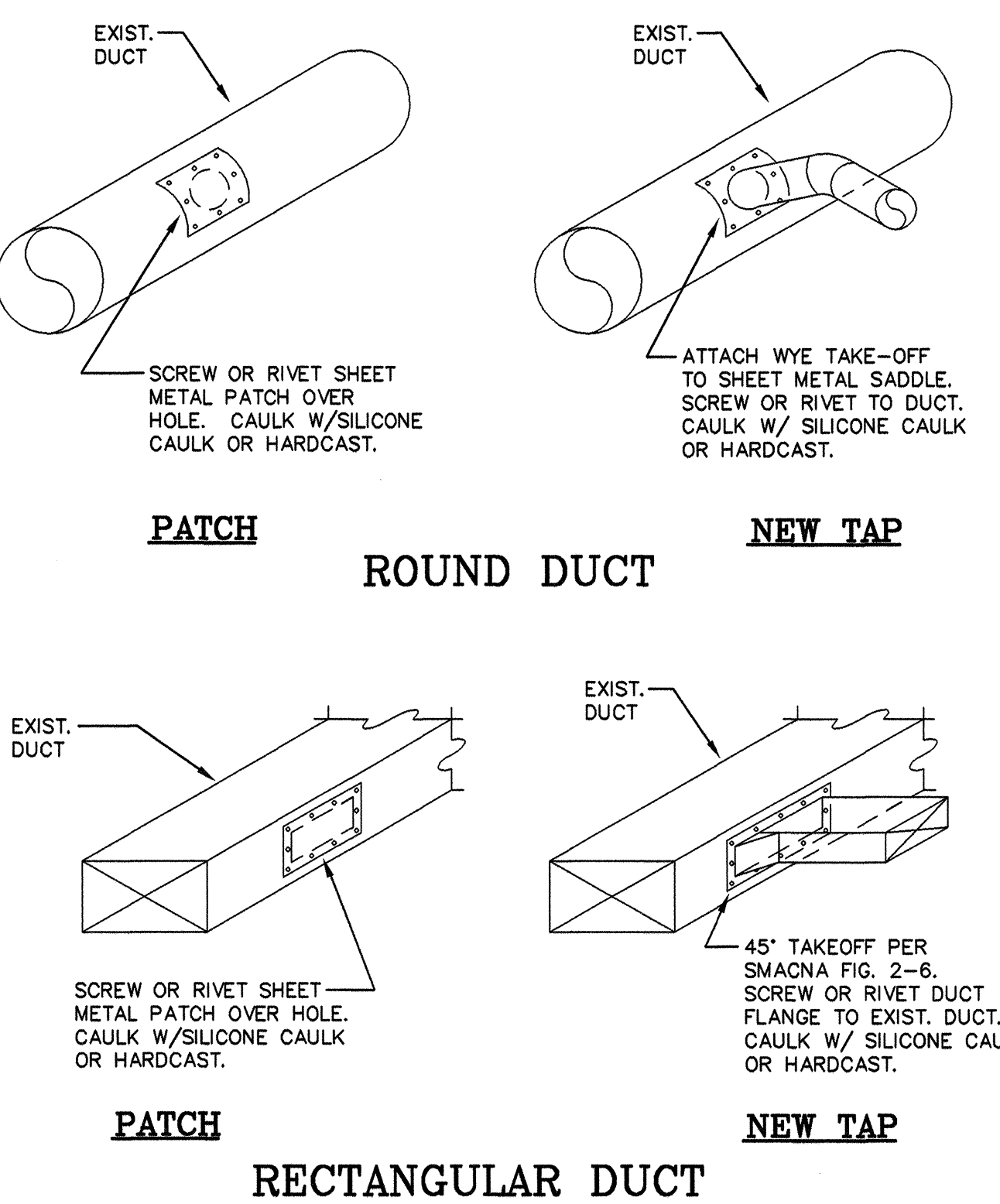
4 SPIN-IN VOLUME EXTRACTOR NO SCALE



3 EXHAUST REGISTER DETAIL NO SCALE



2 AIR CONDITIONING DUCTWORK FITTING DETAILS NO SCALE



1 EXISTING DUCT MODIFICATION DETAIL NO SCALE

CAD#24569 JAN-30-12 L&B PROJECT #5996

ARCHITECTS/ENGINEERS/CONSULTANTS:		ARCHITECT: SPUR DESIGN LLC One Santa Fe Plaza, Suite 101 Oklahoma City, Oklahoma 73102		MEP ENGINEER: Lee & Browne Consulting Engineers, Inc. 1207 S. Sheridan Road Tulsa, Oklahoma 74112	HEALTHCARE CONSULTANT: JUNK ARCHITECTS 802 Broadway, 5th Floor Kansas City, Missouri 64105		SPUR DESIGN ARCHITECTURE - INTERIOR DESIGN - GREEN DESIGN ONE SANTA FE PLAZA, SUITE 101 OKLAHOMA CITY, OKLAHOMA 73102 WWW.SPUR-DESIGN.COM PHONE: 405.272.1072 OK CERTIFICATE OF AUTHORITY NO: 02295	Drawing Title X-RAY ROOM #2 MECHANICAL DETAILS	Project Title Site Prep for X-Ray Room #2 Jack C. Montgomery VA Med. Center	Project Number 623-10-106	Office of Construction and Facilities Management Department of Veterans Affairs	
100% Construction Documents	02/06/12	90% Design Review	01/06/12	85% Design Review	11/04/11	35% Design Review	09/30/11	Revisions		Location V.A.M.C. Muskogee, OK	Drawing Number MD101	
										Date 02/03/12	Checked MFB	Drawn RWF

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CAD#24570 JAN-30-12 L&B PROJECT #5996

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OK CERTIFICATE OF AUTHORITY NO: 02295

Drawing Title X-RAY ROOM #2 FIRE PROTECTION PLAN

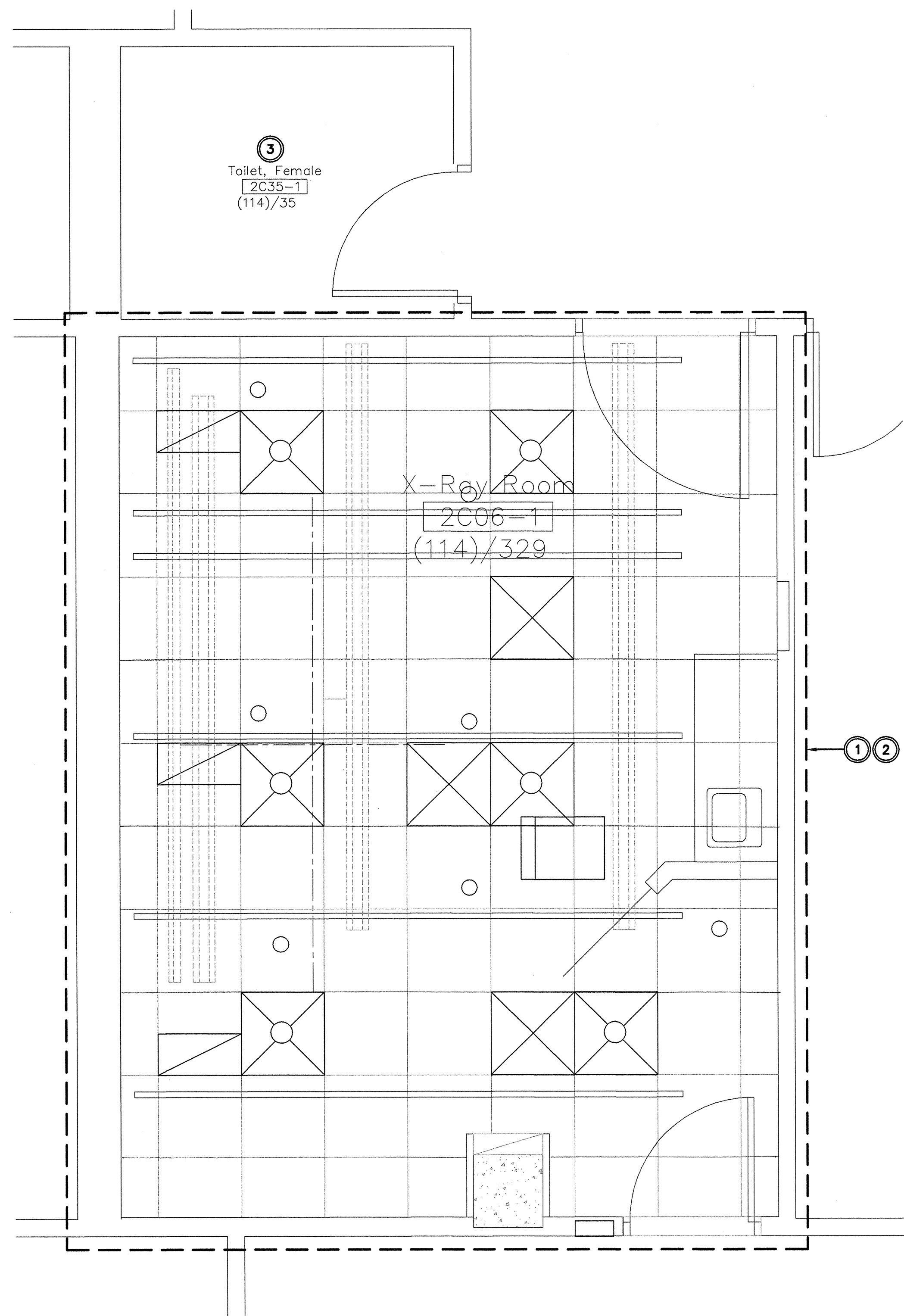
Project Title Site Prep for X-Ray Room #2 Jack C. Montgomery VA Med. Center
Location V.A.M.C. Muskogee, OK
Date 02/03/12
Checked MFB
Drawn RWF

Project Number 623-10-106
Building Number 1
Drawing Number FP101

Office of
Construction
and Facilities
Management

Department of
Veterans Affairs

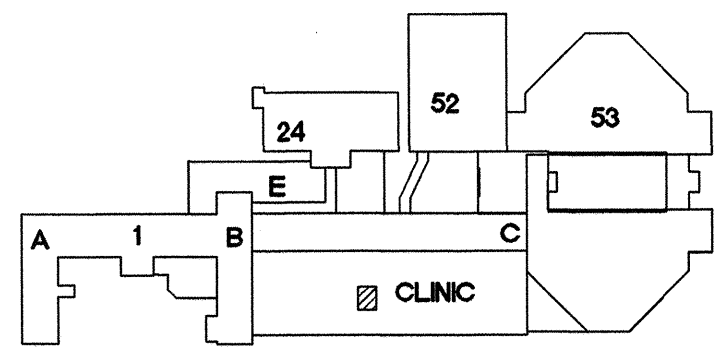
- NOTES:
- RELOCATE EXISTING SPRINKLER PIPING AS REQUIRED AND PROVIDE ALL NEW SPRINKLERS TO NEW CEILING GRID IN DASHED AREA TO PROVIDE SPRINKLER COVERAGE PER NFPA 13 FOR LIGHT HAZARD CLASSIFICATION. WHERE NOT IN CONFLICT WITH NEW ITEMS, EXISTING PIPING MAINS MAY BE REUSED.
 - REVIEW ALL CONTRACT DRAWINGS FOR OTHER TRADES AND MODIFY SPRINKLER PIPING BY RE-ROUTING, REPLACING, OR OTHER MEANS TO AVOID CONFLICTS WITH OTHER TRADES.
 - SPRINKLERS IN EXISTING SPACE TO REMAIN.



1 PARTIAL SECOND FLOOR -
X-RAY ROOM #2 FIRE PROTECTION PLAN

0' 2' 4' 8'

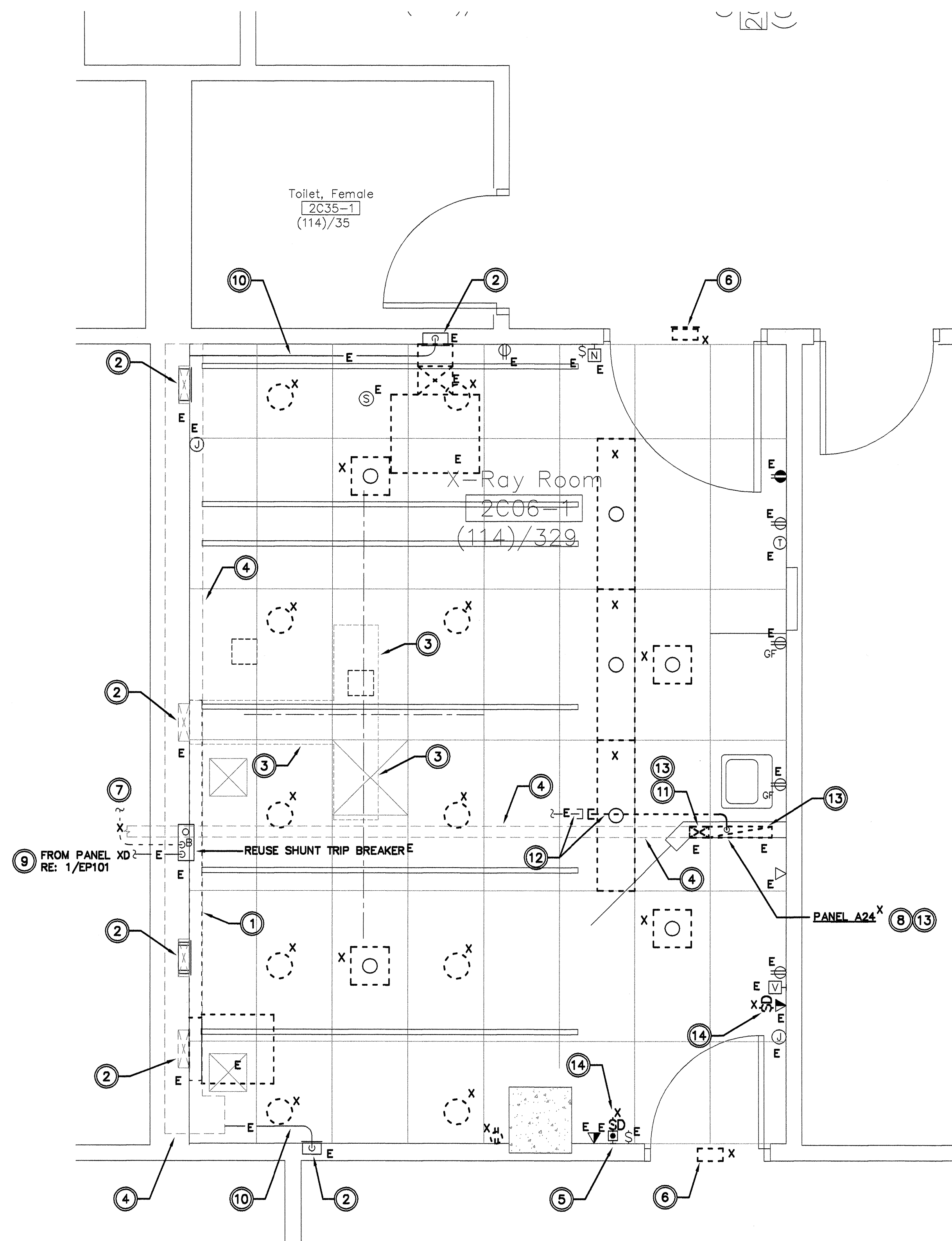
N



KEY PLAN
SCALE: NO SCALE
PROJECT NORTH

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
one quarter inch = one foot
three eighths inch = one foot
one eighth inch = one foot

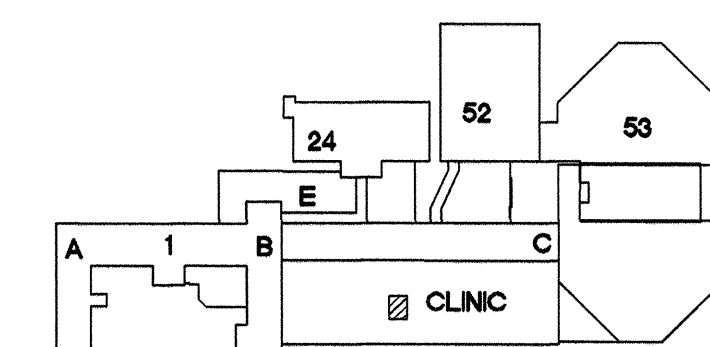
CAD/J2-367 JAN-30-12 L&B PROJ 5996



1 PARTIAL SECOND FLOOR - X-RAY ROOM #2 ELECTRICAL DEMOLITION PLAN

NOTE:
CONTRACTOR SHALL, UNDER THIS CONTRACT, REMOVE ALL ABANDONED AND UNUSED CONDUCTORS, CONDUITS, CABLES, AND BOXES IN CEILING SPACE. THIS DRAWING IS INTENDED TO CONVEY SOME WORK TO BE REMOVED. CONTRACTOR SHALL REMOVE ALL ABANDONED WORK IN THIS AREA.

- SHEET KEYNOTES:
- 1 REMOVE 4" x 4" WIREWAY ON FLOOR.
 - 2 VERTICAL WIREWAY IN WALL TO REMAIN. FURNISH AND INSTALL BLANK COVERS TO MATCH EXISTING WHERE HOLES ARE ABANDONED.
 - 3 WIREWAY IN FLOOR TO REMAIN. FURNISH AND INSTALL BLANK COVERS TO MATCH EXISTING WHERE HOLES ARE ABANDONED.
 - 4 WIREWAY ABOVE CEILING TO REMAIN. FURNISH AND INSTALL BLANK COVERS TO MATCH EXISTING WHERE HOLES ARE ABANDONED.
 - 5 EPO PUSHBUTTON TO REMAIN.
 - 6 REMOVE X-RAY WARNING LIGHT. RE: 1/EP102 FOR NEW SURFACE MOUNT X-RAY WARNING LIGHT.
 - 7 REMOVE EXISTING CONDUCTORS AND CONDUIT FROM LOAD SIDE OF SHUNT TRIP CIRCUIT BREAKER.
 - 8 REMOVE PANEL A24.
 - 9 EXISTING FEEDER FROM PANEL XD TO REMAIN AND BE REUSED.
 - 10 2" C. ABOVE CEILING TO REMAIN.
 - 11 REMOVE VERTICAL WIREWAY IN WALL.
 - 12 REMOVE PORTION OF EXISTING FEEDER FOR OLD PANEL A24 AND REUSE PORTION WHERE PRACTICAL FOR NEW PANEL A24.
 - 13 THIS WALL IS BEING MODIFIED UNDER THIS CONTRACT SO THAT IT DOES NOT GO TO THE CEILING. THIS IS NECESSARY BECAUSE THE PHILIPS EQUIPMENT MOVING GANTRY NEEDS TO PASS BETWEEN THE TOP OF THIS WALL AND CEILING. RELOCATE/REROUTE ALL CONDUCTORS AND CONDUITS IN WALL.
 - 14 REMOVE DIMMER, REUSE CONDUCTORS AND RACEWAY WHERE PRACTICAL.



KEY PLAN
SCALE: NO SCALE
PROJECT NORTH

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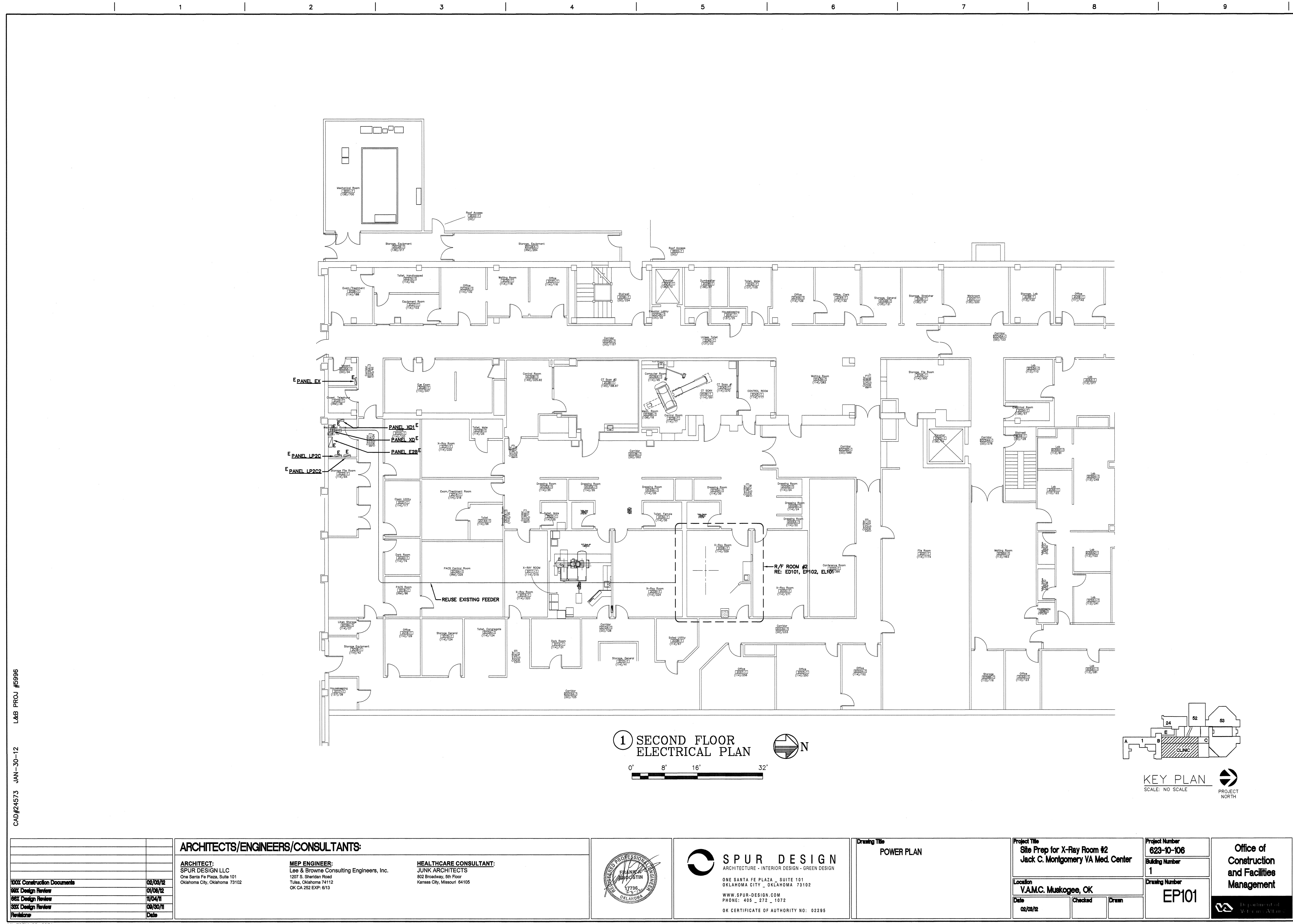
Drawing Title
ELECTRICAL DEMOLITION PLAN

Project Title
Site Prep for X-Ray Room #2
Jack C. Montgomery VA Med. Center
Location
V.A.M.C. Muskogee, OK
Date
02/08/12
Checked
Drawn

Project Number
623-10-106
Building Number
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ED101

Office of
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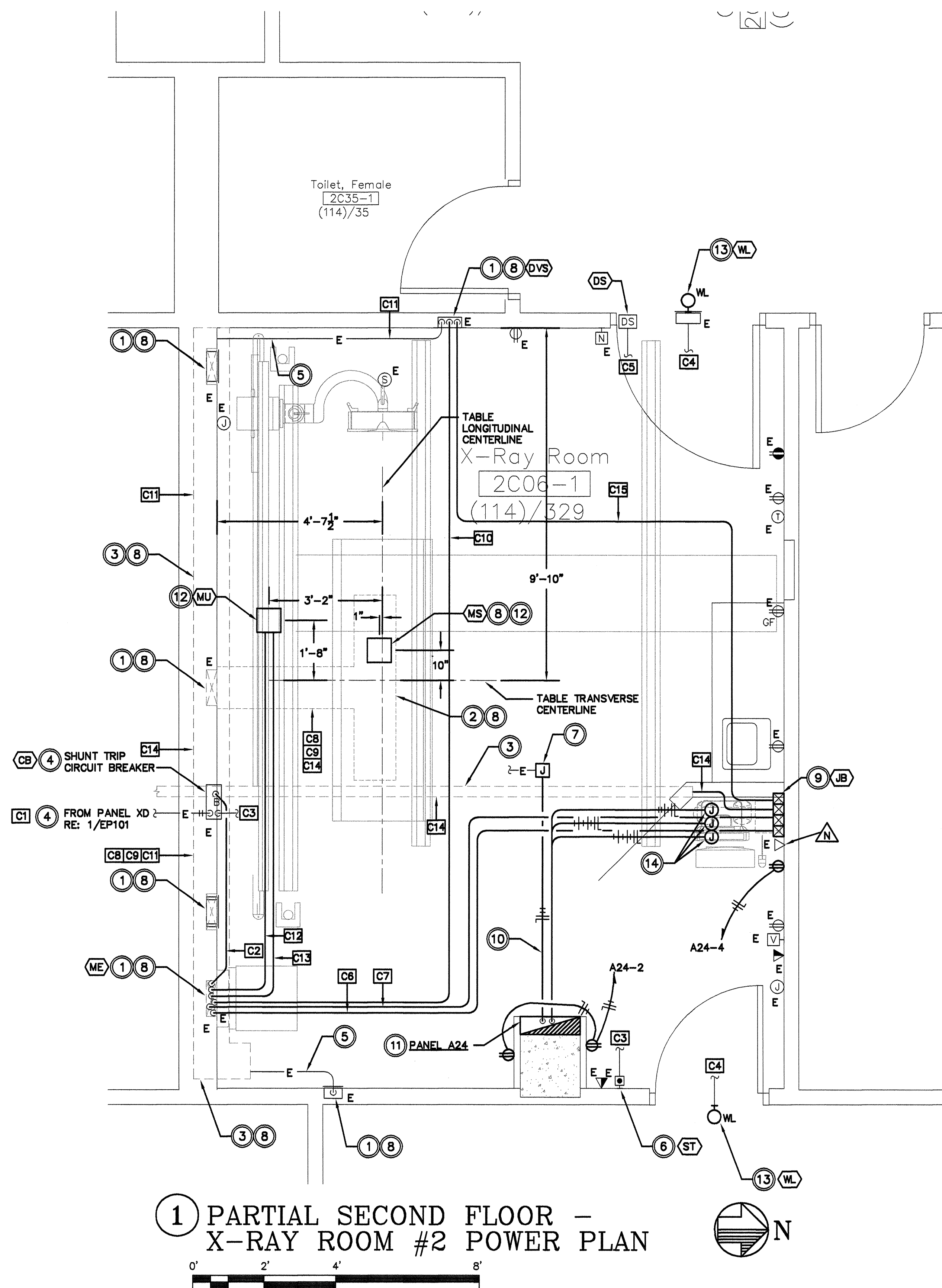


VA FORM 08-6231

[illegible]

three inches = one foot
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one inch = one foot
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CAD:J24574 JAN-30-12 L&B PROJ. #5996



X-RAY ROOM #2C06-1 EQUIPMENT LEGEND:

- CB REUSE 100A, 480V, 3-POLE, CIRCUIT BREAKER WITH 120VAC SHUNT TRIP IN FLUSH MOUNTED NEMA 1 ENCLOSURE. RUN POWER FROM BREAKER TO "ME" LEAVING A 10' TAIL AT "ME". COORDINATE WITH LOCAL PHILIPS SERVICE. FURNISH AND INSTALL BURNDY COMPRESSION HYPLUG ADAPTERS SUITABLE FOR TERMINATION OF PHILIPS FINE STRAND CABLE TO EXISTING CIRCUIT BREAKER LOAD SIDE LUGS.
- ST REUSE EXISTING PUSHBUTTON.
- WL REUSE EXISTING WARNING LIGHT- PROVIDE FLUSH MOUNTED LIGHT FIXTURE ABOVE DOOR TO INDICATE WHEN X-RAY IS ON. PROVIDE A 115V, 15A NORMALLY OPEN RELAY IN THIS FIXTURE.
- DS REUSE DOOR SWITCH.
- ME INSTALL 19-1/4"W x 67"H x 4"D FLANGED-EDGE TERMINAL WALL BOX WITH REMOVABLE SCREW-TYPE COVER PLATE. BOX IS FURNISHED BY PHILIPS. MOUNT BOX AT 75" A.F.F. TO TOP OF BOX. CONTRACTOR TO CUT TOP AND/OR BOTTOM OF BOX BOX AS REQUIRED.
- DVS FURNISH AND INSTALL 6"W x 6"L REMOVABLE SCREW-TYPE COVER PLATE OVER HOLE IN WIREWAY. MOUNT AT 39" A.F.F. TO BOTTOM OF COVERPLATE.
- MU FURNISH AND INSTALL 8"W x 8"L x 6"D CEILING BOX FLUSH IN CEILING WITH REMOVABLE COVER.
- MS FURNISH AND INSTALL 8"W x 8"L REMOVABLE SCREW TYPE COVER PLATE ON EXISTING TRENCH OVER HOLE IN TRENCH COVER.
- JB FURNISH AND INSTALL 8"W x 8"L REMOVABLE SCREW-TYPE COVER PLATE OVER HOLE IN EXISTING WIREWAY 22" A.F.F. TO BOTTOM OF COVER PLATE. LOCATION SHOWN IS RECOMMENDED AND MAY BE CHANGED - VERIFY RELOCATION WITH LOCAL PHILIPS SERVICE.

RACEWAY/CONDUCTOR NOTES FOR R/F ROOM #2

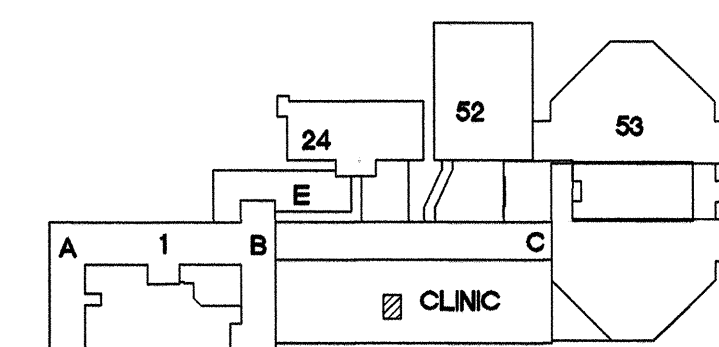
- C1 REUSE EXISTING FEEDER FROM PANEL XD. REUSE/RECONNECT FEEDER CONDUCTORS TO PROVIDE (3)-#2/O, (1)-#2/O G. AND (1)-#6 SPARE.
- C2 BUILD (1)-2" C. AND INSTALL CABLES SUPPLIED BY PHILIPS.
- C3 REUSE EXISTING SHUNT TRIP CONDUIT AND CONDUCTORS. EXTEND/MODIFY AS NECESSARY FOR CONNECTION TO NEW PHILIPS EQUIPMENT.
- C4 REUSE EXISTING RACEWAY, CONDUCTORS, 120VAC POWER FOR WARNING LIGHT. EXTEND/MODIFY AS NECESSARY FOR CONNECTION TO NEW PHILIPS EQUIPMENT.
- C5 REUSE EXISTING RACEWAY AND CONDUCTORS FOR DOOR SWITCH SYSTEM. EXTEND/MODIFY AS NECESSARY FOR CONNECTION TO NEW PHILIPS EQUIPMENT.
- C6 BUILD EMPTY 1-1/2" C. WITH PULLSTRING FOR CABLES SUPPLIED AND INSTALLED BY PHILIPS.
- C7 BUILD EMPTY 2" C. WITH PULLSTRING FOR CABLES SUPPLIED AND INSTALLED BY PHILIPS.
- C8 REUSE EXISTING WIREWAY. CABLES PROVIDED AND INSTALLED BY PHILIPS. BUILD DIVIDERS IN WIREWAY TO SEPARATE CABLES PER PHILIPS DRAWINGS AND FIELD INSTRUCTIONS.
- C9 REUSE EXISTING WIREWAY. CABLES PROVIDED AND INSTALLED BY PHILIPS. BUILD DIVIDERS IN WIREWAY TO SEPARATE CABLES PER PHILIPS DRAWINGS AND FIELD INSTRUCTIONS.
- C10 BUILD EMPTY 1-1/2" C. WITH PULLSTRING FOR CABLES SUPPLIED AND INSTALLED BY PHILIPS.
- C11 REUSE EXISTING WIREWAY AND CONDUIT. CABLES PROVIDED AND INSTALLED BY PHILIPS. BUILD DIVIDERS IN WIREWAY TO SEPARATE CABLES PER PHILIPS DRAWINGS AND FIELD INSTRUCTIONS.
- C12 BUILD EMPTY 2-1/2" C. WITH PULLSTRING FOR CABLES SUPPLIED AND INSTALLED BY PHILIPS.
- C13 BUILD EMPTY 1-1/2" C. WITH PULLSTRING FOR CABLES SUPPLIED AND INSTALLED BY PHILIPS.
- C14 USE EXISTING WIREWAY WHERE INDICATED AND BUILD NEW 1-1/2" C. FOR THE PORTION INDICATED. CABLES PROVIDED AND INSTALLED BY PHILIPS. BUILD DIVIDERS IN WIREWAY TO SEPARATE CABLES PER PHILIPS DRAWINGS AND FIELD INSTRUCTIONS.
- C15 BUILD EMPTY 1-1/2" C. WITH PULLSTRING FOR CABLES SUPPLIED AND INSTALLED BY PHILIPS.

SHEET KEYNOTES:

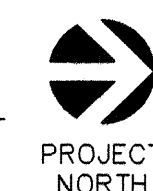
- 1 REUSE EXISTING VERTICAL WIREWAY IN WALL.
- 2 REUSE EXISTING WIREWAY IN FLOOR.
- 3 REUSE EXISTING WIREWAY ABOVE CEILING.
- 4 REUSE EXISTING 100/3 SHUNT TRIP CIRCUIT BREAKER AND FEEDER FROM PANEL XD.
- 5 REUSE EXISTING 2" CONDUIT ABOVE CEILING.
- 6 REUSE EXISTING EPO PUSHBUTTON.
- 7 USE IRREVERSIBLE COMPRESSION SPLICES WITH HEAT SHRINK AND TAPE INSULATION TO CONNECT NEW CONDUCTORS TO EXISTING.
- 8 MODIFY/ADD EXISTING WIREWAY COVERS TO PROVIDE OPENINGS REQUIRED BY NEW EQUIPMENT AND COVER ALL UNUSED EXISTING OPENINGS.
- 9 BUILD (4)-NEW 2" x 2" VERTICAL WIREWAYS FROM ABOVE CEILING TO FLOOR. COORDINATE WITH PHILIPS MOVING GENTRY TO AVOID CONFLICT.
- 10 EXTEND EXISTING FEEDER FOR NEW PANEL A24. BUILD (3)-#3, (1)-#6 G IN 1-1/4" C. FOR NEW PORTION OF FEEDER.
- 11 FURNISH AND INSTALL NEW PANEL A24.
- 12 FIELD VERIFY LOCATION OF THESE ITEMS WITH PHILIPS INSTALLATION TECHNICIAN. PRELIMINARY DRAWINGS PROVIDED BY PHILIPS AS BASIS FOR THESE DRAWINGS WERE NOT CLEAR ENOUGH TO DETERMINE EXACT LOCATIONS RELATIVE TO TABLE TRANSVERSE CENTERLINE.
- 13 PATCH WALL. INSTALL NEW JUNCTION BOX, FURNISH AND INSTALL NEW X-RAY WARNING LIGHT. RE: E101 LIGHT FIXTURE SCHEDULE.
- 14 REFEED EXISTING PANEL A24 BRANCH CIRCUITS. USE MULTIPLE CONDUITS TO AVOID CONDUCTOR DERATING.

GENERAL R/F ROOM #2 NOTES:

- 1. ALL WIRES SPECIFIED SHALL BE AWG STRANDED, FLEXIBLE, THERMO-PLASTIC COVERED, COLOR CODED, COPPER ONLY, (TYPE THIN OR EQUIVALENT WITH MULTIPLE STRANDS). WHERE TERMINATION IS BY OTHERS, LEAVE 10 FOOT LONG PIGTAILS AT OUTLET BOXES. WIREWAY TERMINATION POINTS OR STUBBED CONDUIT ENDS, UNLESS OTHERWISE SPECIFIED, ALL CONDUCTORS, POWER, SIGNAL AND GROUND, MUST BE RUN IN CONDUIT OR WIREWAY SYSTEM. ELECTRICAL CONTRACTOR SHALL RING OUT AND TAG ALL WIRES AT BOTH ENDS. WIRE RUNS MUST BE CONTINUOUS COPPER AND FREE FROM SPLICES.
- 2. REFERENCE PHILIPS DRAWING NUMBERS N-SQU10856 DATED 7/28/11 OR LATER AND N-SRO020508 DATED 4/1/11 OR LATER FOR ADDITIONAL INFORMATION AND ROUGH-IN DETAILS. THESE DRAWINGS DELINEATE WORK AND MATERIALS TO BE FURNISHED BY PHILIPS AND BY OWNER. ALL LABOR AND MATERIALS INDICATED TO BE FURNISHED BY CUSTOMER, HIS ELECTRICAL CONTRACTOR OR OWNER, ARE TO BE FURNISHED BY CONTRACTOR AS PART OF THIS CONTRACT. PERFORM ALL WORK IN ACCORDANCE WITH THESE DRAWINGS AND REFERENCE PHILIPS DRAWINGS.
- 3. CONDUIT SHALL HAVE LONG RADIUS SWEEP BENDS AND ELBOWS.
- 4. CONDUIT AND DUCT RUNS ABOVE CEILING OR BELOW FLOOR FOR PHILIPS-SUPPLIED EQUIPMENT AND CABLES SHALL ROUTE AS NEAR CEILING OR FLOOR AS POSSIBLE TO MINIMIZE CABLE LENGTHS.
- 5. INSTALL INCREMENTALLY MARKED PULL STRINGS IN EMPTY CONDUITS.
- 6. CUT HOLES IN JUNCTION/PULLBOX COVERS AS DIRECTED BY PHILIPS FIELD TECHNICIAN.
- 7. RACEWAY/CONDUCTOR NOTES ARE GENERALLY INDICATED ON PLANS AS ROUTED BETWEEN LARGER RACEWAY COMPONENTS. CONDUCTORS MAY BE REQUIRED TO EXTEND THROUGH LARGER RACEWAY AND INTO EQUIPMENT.
- 8. FURNISH AND INSTALL #6 AWG STRANDED GROUND WIRE IN SPECIFIED RACEWAY BETWEEN "CB" AND "ME".
- 9. REFER TO RACEWAY DIAGRAMS OF PHILIPS DRAWINGS FOR CLARITY IN RACEWAY BOX CONSTRUCTION.



KEY PLAN
SCALE: NO SCALE



100% Construction Documents	02/08/12
90% Design Review	01/06/12
85% Design Review	11/04/11
35% Design Review	09/30/11
Revisions	Date

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HEALTHCARE CONSULTANT:
JUNK ARCHITECTS
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Drawing Title
ENLARGED POWER PLAN

Project Title
Site Prep for X-Ray Room #2
Jack C. Montgomery VA Med. Center
Location
VAMC, Muskogee, OK
Date
02/08/12
Checked
Drawn

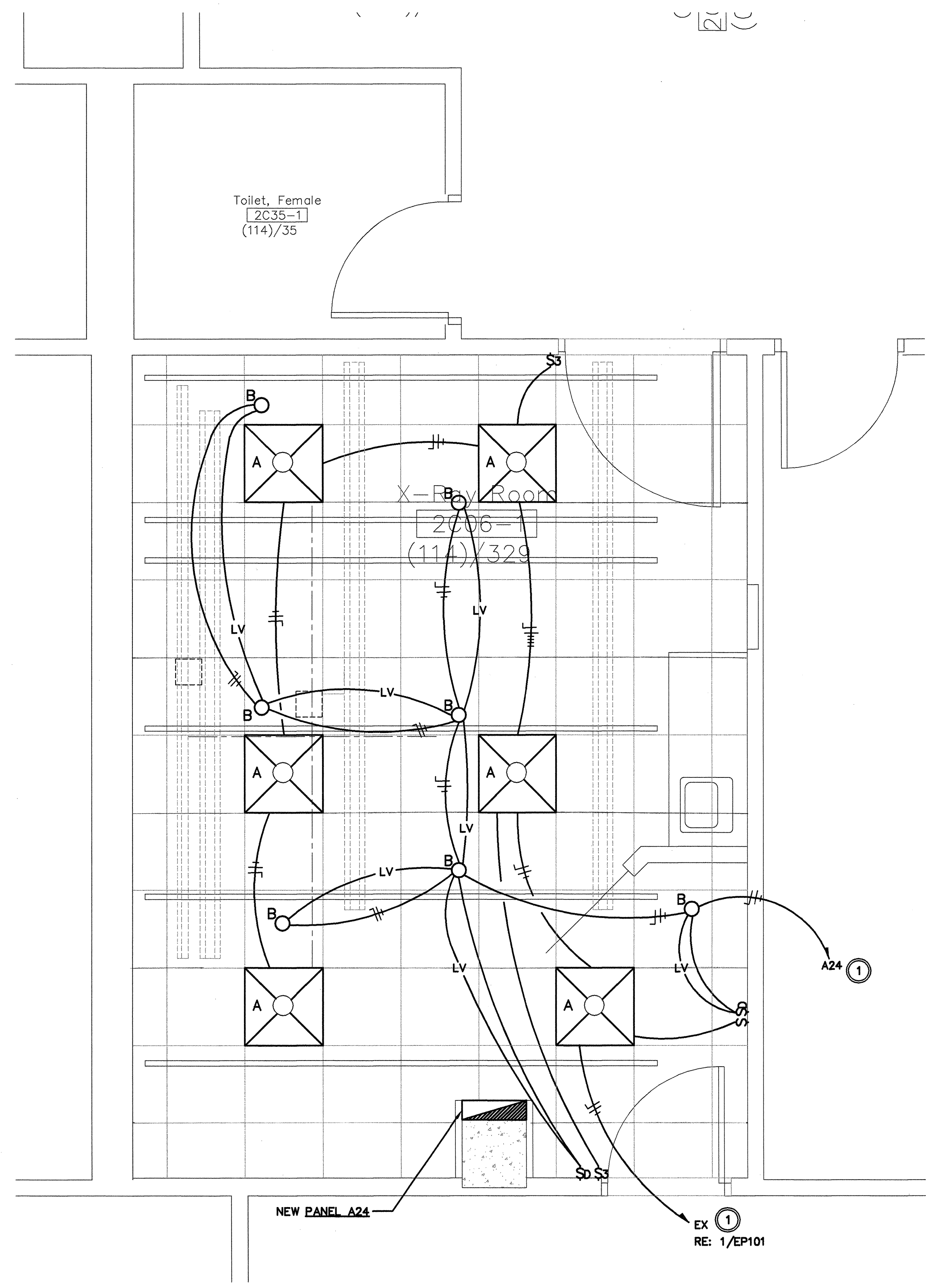
Project Number
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Building Number
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Drawing Number
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Office of
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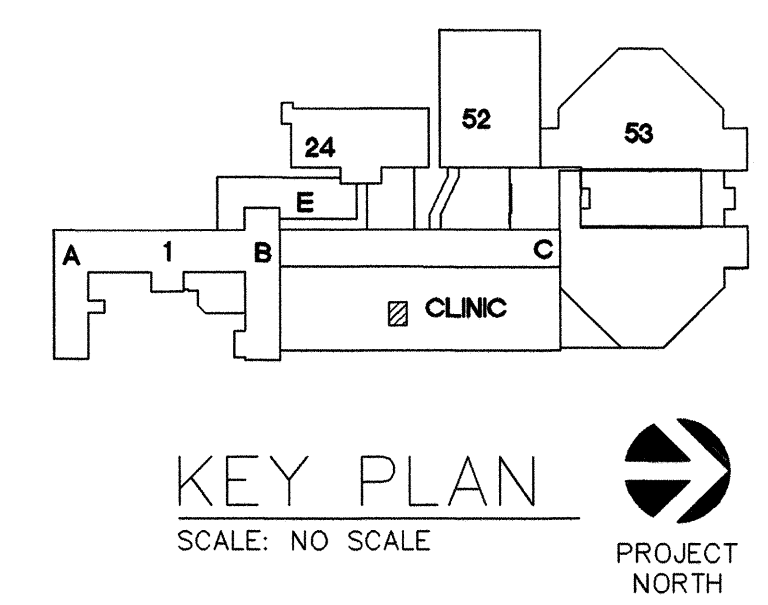
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CAD/P24575 JAN-30-12 L&B PROJ #5996



1 PARTIAL SECOND FLOOR - X-RAY ROOM #2 LIGHTING PLAN

- SHEET KEYNOTES:
- 1 USE EXISTING SPARE CIRCUIT BREAKER IN EXISTING PANELBOARD.
 - 2 WHERE LV-2 IS SHOWN, BUILD (2)-#14 IN PLENUM RATED CABLE FOR 0-10Vdc DIMMING CONTROL OF LIGHT FIXTURES.



ARCHITECTS/ENGINEERS/CONSULTANTS:			SPUR DESIGN ARCHITECTURE - INTERIOR DESIGN - GREEN DESIGN ONE SANTA FE PLAZA, SUITE 101 OKLAHOMA CITY, OKLAHOMA 73102 WWW.SPUR-DESIGN.COM PHONE: 405 - 272 - 1072 OK CERTIFICATE OF AUTHORITY NO: 02295	Project Title Site Prep for X-Ray Room #2 Jack C. Montgomery VA Med. Center	Project Number 623-10-106	Location V.A.M.C. Muskogee, OK	Drawing Number EL101	Office of Construction and Facilities Management Department of Veterans Affairs
ARCHITECT: SPUR DESIGN LLC One Santa Fe Plaza, Suite 101 Oklahoma City, Oklahoma 73102	MEP ENGINEER: Lee & Browne Consulting Engineers, Inc. 1207 S. Sheridan Road Tulsa, Oklahoma 74112 OK CA 252 EXP: 613							
100% Construction Documents	02/03/12							
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30% Design Review	09/30/11							
Revisions	Date							