

**DAMMON**  
ENGINEERING, INC.

CHIEF ENGINEER  
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ARCHITECTURE

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EXPERT WITNESS

CHILDREN'S  
INTERNATIONAL  
MEDICAL  
GROUP

8250 WEST  
JUDGE PEREZ DR.  
CHALMETTE, LA  
DR. EDUARDO  
HERNANDEZ

ELECTRICAL  
POWER PLAN



REV: Robert Wiltse

SCALE: AS NOTED

JOB#: 2090

DATE: 02-24-11

SHEET 9

E-1

OF 12

### ELECTRICAL NOTES

- ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, THE GOVERNING ELECTRICAL CODE AND ALL OTHER INSPECTION DEPARTMENTS HAVING JURISDICTION. OBTAIN CERTIFICATES OR APPROVAL WHERE REQUIRED.
- ALL MATERIALS FURNISHED SHALL BE NEW AND SHALL BE U.L. LISTED.
- THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALE DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION AND LOCATION OF ALL LIGHTING FIXTURES, RECEPTACLES AND TELEPHONE OUTLETS, ETC. SHALL BE DETERMINED BY ACTUAL CONDITIONS IN THE FIELD.
- PRIOR TO BIDDING, CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS.
- ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AND WITH OTHER CONTRACTORS WHOSE WORK MAY AFFECT THIS INSTALLATION.
- ELECTRICAL CONTRACTOR SHALL COORDINATE INCOMING ELECTRICAL SERVICE WITH UTILITY COMPANY AND INCLUDE IN HIS BID ALL CHARGES AND FEES INCURRED IN MODIFICATIONS.
- WHERE MORE THAN ONE SWITCH OCCURS IN THE SAME LOCATION, THEY SHALL BE INSTALLED IN A GANG TYPE BOX UNDER ONE COVER PLATE.
- ELECTRICAL CONTRACTOR SHALL COORDINATE THE TELEPHONE INSTALLATION WITH THE TELEPHONE COMPANY AND THE GENERAL CONTRACTOR.
- ELECTRICAL CONTRACTOR, BEFORE INSTALLING ANY OF THE WORK, SHALL SEE THAT IT DOES NOT INTERFERE WITH CLEARANCES REQUIRED FOR FINISHED COLUMNS, HUNG CEILINGS, PLASTER, PARTITIONS, WALLS, ETC. AS SHOWN IN THE ARCHITECTURAL DRAWINGS AND DETAILS. IF ANY WORK IS INSTALLED AND IT LATER DEVELOPS THAT SUCH DETAILS OR DESIGN CANNOT BE FOLLOWED, THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL MAKE SUCH CHANGES IN THE WORK AS DIRECTED BY THE ARCHITECT, AS WELL AS TO PERMIT THE INSTALLATION OF THE ARCHITECTURAL WORK AS SHOWN ON THE PLANS AND DETAILS.
- PERFORM TEST REQUIRED BY THE OWNER OR THE ENGINEER IN CONNECTION WITH THE OPERATION OF THE ELECTRICAL SYSTEM IN THE BUILDING.
- ALL TESTS SHALL BE MADE IN ACCORDANCE WITH THE LATEST STANDARD OF THE IEEE AND THE NATIONAL ELECTRICAL CODE.
- MINIMUM CONDUCTOR SIZE SHALL BE #12, 600V INSULATION. MINIMUM SIZE CONDUIT SHALL BE 3/4" EMT FOR INTERIOR USE, AND 3/4" RIGID ALUMINUM FOR EXTERIOR USE. USE TYPE MC CABLE COPPER, FOR LIGHTS AND RECEPTACLE CIRCUITS. EXTERIOR FITTINGS SHALL BE CAST BOXES AND COVERS. INTERIOR FITTINGS SHALL BE CAST WHERE EXPOSED ON WALLS. STAMPED BOXES MAY BE USED ABOVE CEILINGS IN AIR CONDITIONED SPACES. WHERE LAY IN FIXTURES ARE IN USE, USE 1/4" ALLOWED FOR 6" WIDTH.
- CONTRACTOR SHALL INSTALL WIRING AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
- INSTALL GROUND FAULT RECEPTACLES AT RECEPTACLE LOCATIONS WITHIN 5' OF SINKS OR LAVATORIES, AND AT EXTERIOR LOCATIONS. EXTERIOR RECEPTACLES SHALL ALSO BE WATERPROOF.
- BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70:230-63, NFPA 250-23, 250-71 & 250-72.
- GROUND NEUTRAL IN ACCORDANCE WITH NFPA 70:250-23b.
- FUSES SHALL BE ITT CLASS K5, 250 VOLT, 200,000 AMP INTERRUPTING CAP.
- PROVIDE SERVICES OF A FIRE/SMOKE DETECTION AND ALARM COMPANY TO DESIGN AND INSTALL ALARM SYSTEM TO MEET REQUIREMENTS OF THE STATE FIRE MARSHALL.
- EXTERIOR LIGHTING SHALL BE SHADED OR INWARDLY DIRECTED IN SUCH A MANNER SO THAT NO DIRECT LIGHTING OR GLARE IS CAST BEYOND THE PROPERTY LINE. THE INTENSITY OF SUCH LIGHTING SHALL NOT EXCEED ONE FOOT CANDLE AS MEASURED AT THE ABUTTING PROPERTY LINE.
- ALL ELECTRICAL, MECHANICAL AND PLUMBING PENETRATING FIRE PARTITIONS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E814.)

### POWER LEGEND

- RECEPTACLE 20A 120V
- RECEPTACLE 20A 120V MOUNTED ABOVE COUNTER TOP
- GFI RECEPTACLE 20A 120V
- GFI WEATHERPROOF RECEPTACLE 20A 120V
- DEDICATED 20A 120V RECEPTACLE MOUNTED ABOVE COUNTER TOP
- TELEPHONE
- DISCONNECT
- POWER PANEL

### ENTERGY Power LLC - Electrical Load Summary

Project Name: Children's International Medical Group-Dr. Eduardo Hernandez  
Project Address: 8250 West Judge Perez Drive  
City / Town: Chalmette, LA

Intended Use: Business Office Complex

Requested Service: 120- Volts 3 Phase 4 Wires

Service Entrance Size: 200- Amps

HVAC Tonnage: 18 Tons (Suite 1)

Largest Motor: N/A HP (Note: Motors above 20 hp may require reduced Voltage starting and are never recommended for use with 120/240V, 3 phase, 4W services.)

Total Building Square Footage: 5,635 Square Feet

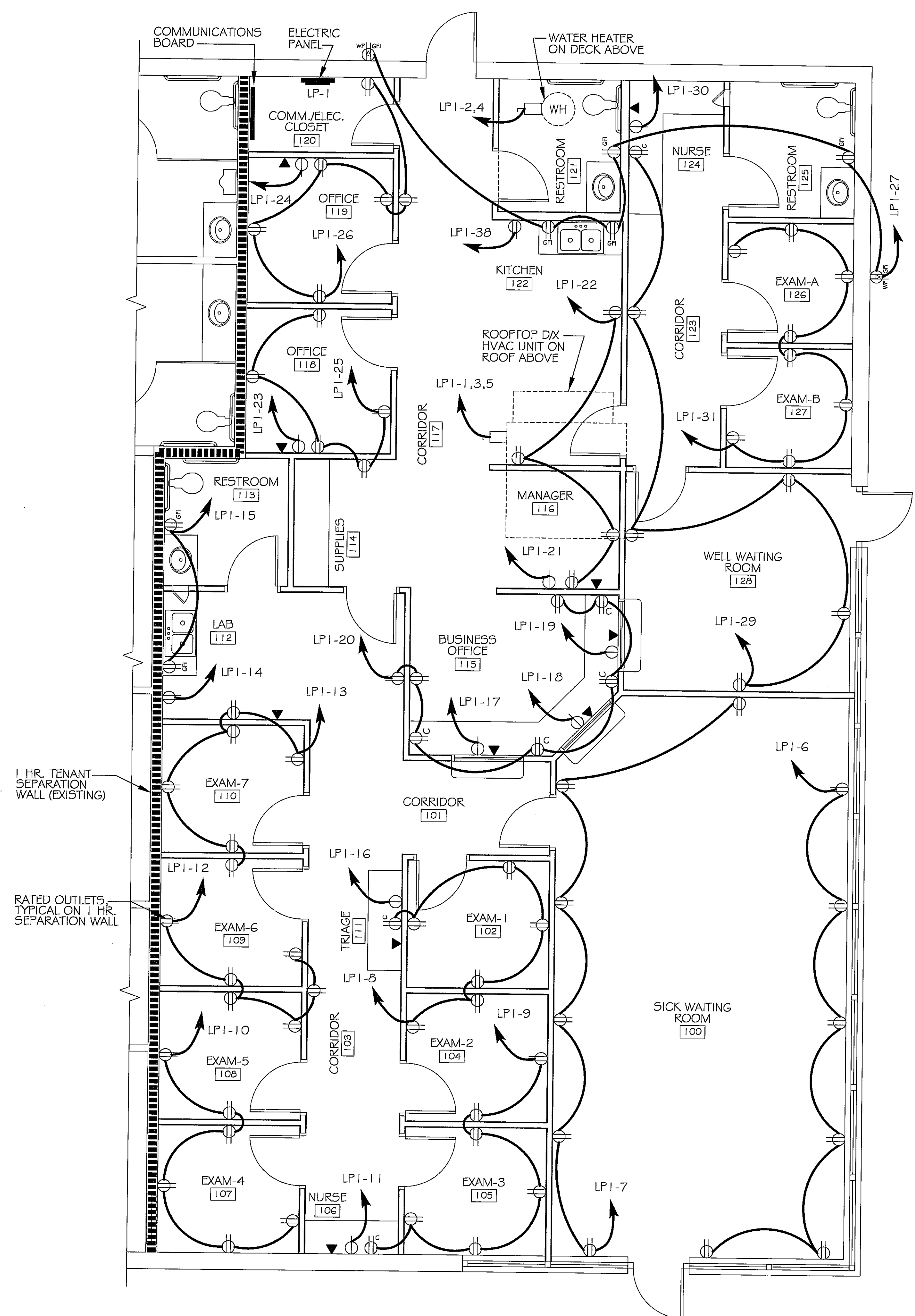
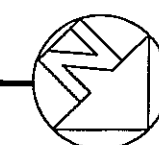
Individual Unit Square Footage: 2,792 Square Feet (Multiple Occupancy)

Individual Unit Designation: CIMG (Multiple Occupancy)

LOAD SOURCE	1Ø - kVA	3Ø - kVA	or	1Ø - kW	3Ø - kW
Building Lighting	-	3656	or	-	-
Electric Water Heating	-	9000	or	-	-
Heat Pumps	-	-	or	-	-
Supplemental Heat System	-	-	or	-	-
Air Conditioning Rooftop (RTU) Units	-	43950	or	-	-
Electrical Heating (Primary)	-	-	or	-	-
Cooking	-	-	or	-	-
Refrigeration	-	320	or	-	-
Receptacles (Standard)	-	13760	or	-	-
Receptacles (Computer)	-	16200	or	-	-
Total Motors (Exclude HVAC)	-	-	or	-	-
Parking Lot / Exterior Lighting	-	311	or	-	-
Miscellaneous - Junction Boxes	-	-	or	-	-
Other (Specify)	-	-	or	-	-

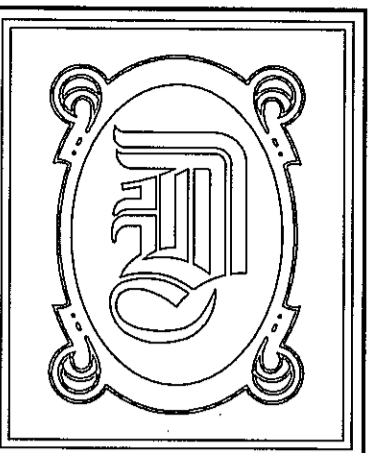
### ELECTRICAL POWER PLAN

SCALE: 1/4"=1'



REVIEWED FOR  
STATE FIRE MARSHAL  
AS PER REVIEW LETTER  
BY: PATRICK A. FLORY, ARCHITECT  
Patrick A. Flory

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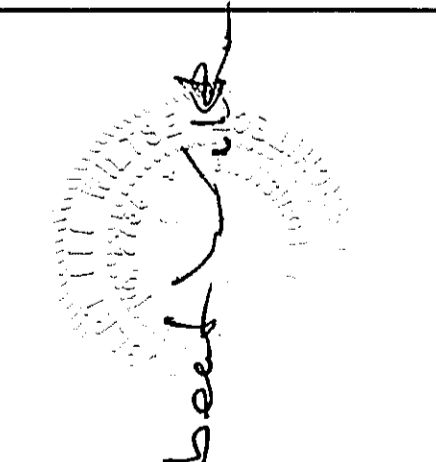
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ELECTRICAL  
LIGHTING  
PLAN AND  
SCHEDULES



REV:

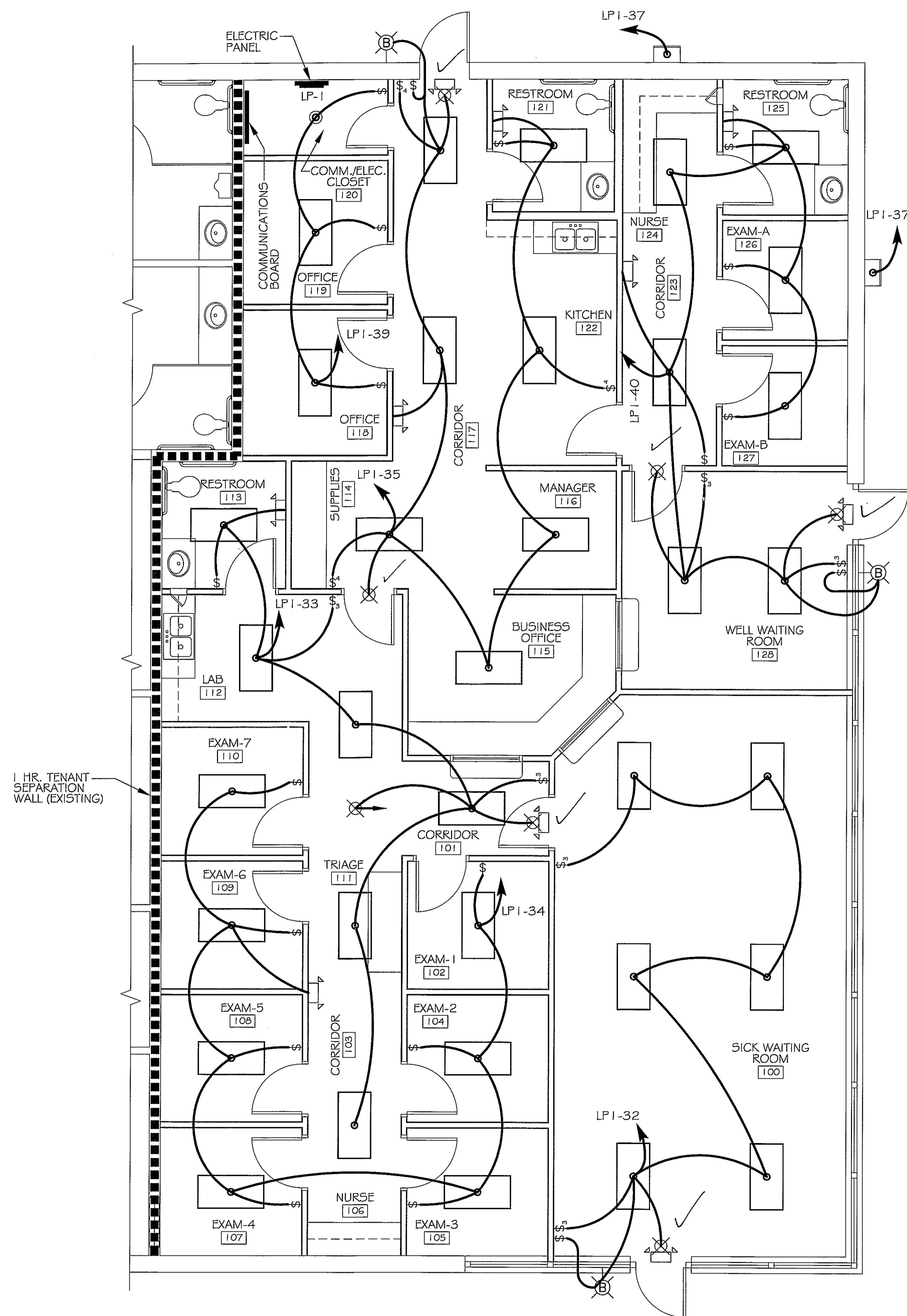
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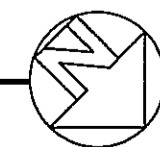
SHEET 10

E-2  
OF 12



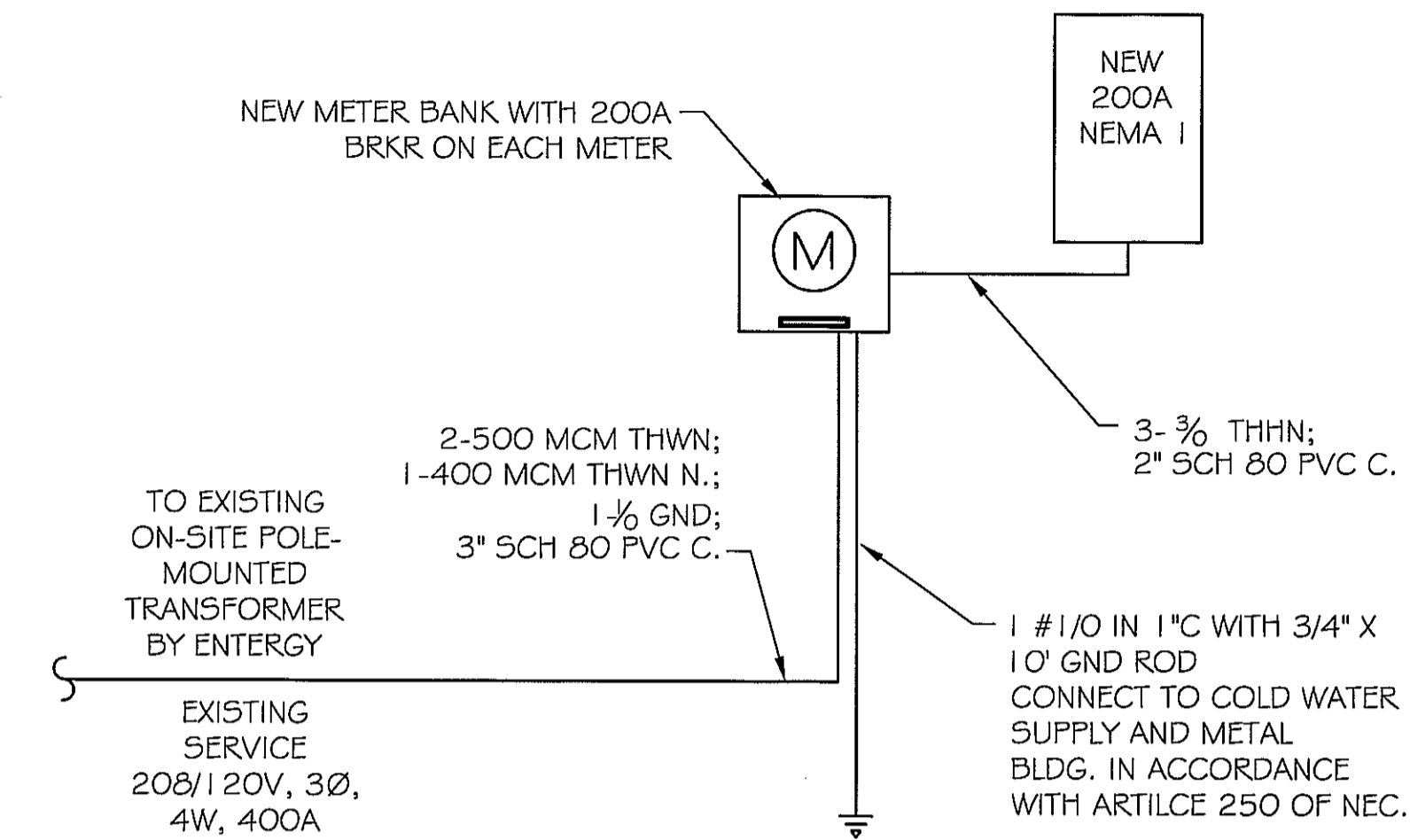
**ELECTRICAL LIGHTING PLAN**

SCALE: 1/4"=1'



**LIGHTING LEGEND**

- 2x4' FLUORESCENT LIGHT 3 BULB (96W)
- EXTERIOR WATERPROOF WALL-MTD. FLUORESCENT LIGHT (11W)
- STANDARD BULB FIXTURE (100W)
- EMERGENCY LIGHT W/ 90 MIN. BATTERY BACKUP (12W)
- LOW LEVEL MOUNTED EXIT LIGHT/SIGN w/90 MIN. BATTERY BACK-UP (10W)
- EXIT/EMERGENCY LIGHT COMBO W/ 90 MIN. BATTERY BACKUP (12W)
- WALL MOUNTED EXTERIOR WALL PACK FLOOD LIGHT (150 w EA.)
- SWITCH
- 3-WAY SWITCH
- POWER PANEL



**ELECTRICAL ONE LINE**  
SCALE: N.T.S.

PANEL: LP-1 LOCATION: CIMG ELECTRICAL/COMMUNICATIONS CLOSET FEEDER SOURCE: ENTERGY				VOLTAGE: 208/120V, 200A 3Ø, 4W MLO ENCLOSURE: SURFACE MOUNTED W/EQUIPMENT GND BAR BOLTON BRK 22000 AIC								
CKT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION	BREAKER	LOAD (VA)	AØ	BØ	CØ	LOAD (VA)	BREAKER	LOAD DESCRIPTION	THHN WIRE SIZE	CKT. NO.
		LOCATION	AMP							POLE		
1		RTU-4		14650				4500	2	30	#10	2
3	#6	34 KW	125	14650				4500	2	30	#10	4
5				14650				960	1	20	#12	6
7	#12	SICK WAITING ROOM 100 RECEPTACLES	20	960				1120	1	20	#12	8
9	#12	EXAM ROOM 104, EXAM ROOM 105, AND NURSE 106 RECEPTACLES	20	1120				960	1	20	#12	10
11	#12	NURSE 106 COMPUTER	20	1800				960	1	20	#12	12
13	#12	EXAM ROOM 109, EXAM ROOM 110, AND LAB 112 RECEPTACLES	20	960				160	1	20	#12	14
15	#12	LAB 112 AND RESTROOM 113 GFI RECEPTACLES	20	320				1800	1	20	#12	16
17	#12	BUSINESS OFFICE 115 COMPUTER	20	1800				1800	1	20	#12	18
19	#12	BUSINESS OFFICE 115 COMPUTER	20	1800				1120	1	20	#12	20
21	#12	MANAGER 116 COMPUTER	20	1800				640	1	20	#12	22
23	#12	OFFICE 118 COMPUTER	20	1800				1800	1	20	#12	24
25	#12	OFFICE 118 AND SUPPLIES 114 RECEPTACLES	20	800				960	1	20	#12	26
27	#12	RESTROOM 121, KITCHEN 122, RESTROOM 125, & W.P. GFI RECEPTACLES	20	960				-	1	20	-	28
29	#12	CORRIDOR 123, NURSE 124, AND WELL WAITING ROOM 128 RECEPTACLES	20	960				1800	1	20	#12	30
31	#12	EXAM ROOM 126 AND EXAM ROOM 127 RECEPTACLES	20	960				599	1	20	#12	32
33	#12	CORRIDORS 101 & 103, EMERGENCY/EXIT, LAB 112, & RESTROOM 113 LIGHTS	20	610				684	1	20	#12	34
35	#12	ROOMS 114, 115, 116, 117, 121, 122, EMERG., EXIT, & EXT. WALL-MTD. LIGHTS	20	729				-	1	20	-	36
37	#12	EXTERIOR WALL PACK FLOOD LIGHTS	20	300				160	1	20	#12	38
39	#12	OFFICE 118, OFFICE 119, AND COMM./ELEC. CLOSET 120 LIGHTS	20	292				729	1	20	#12	40
41	-	SPARE	20	-				-	1	20	-	42

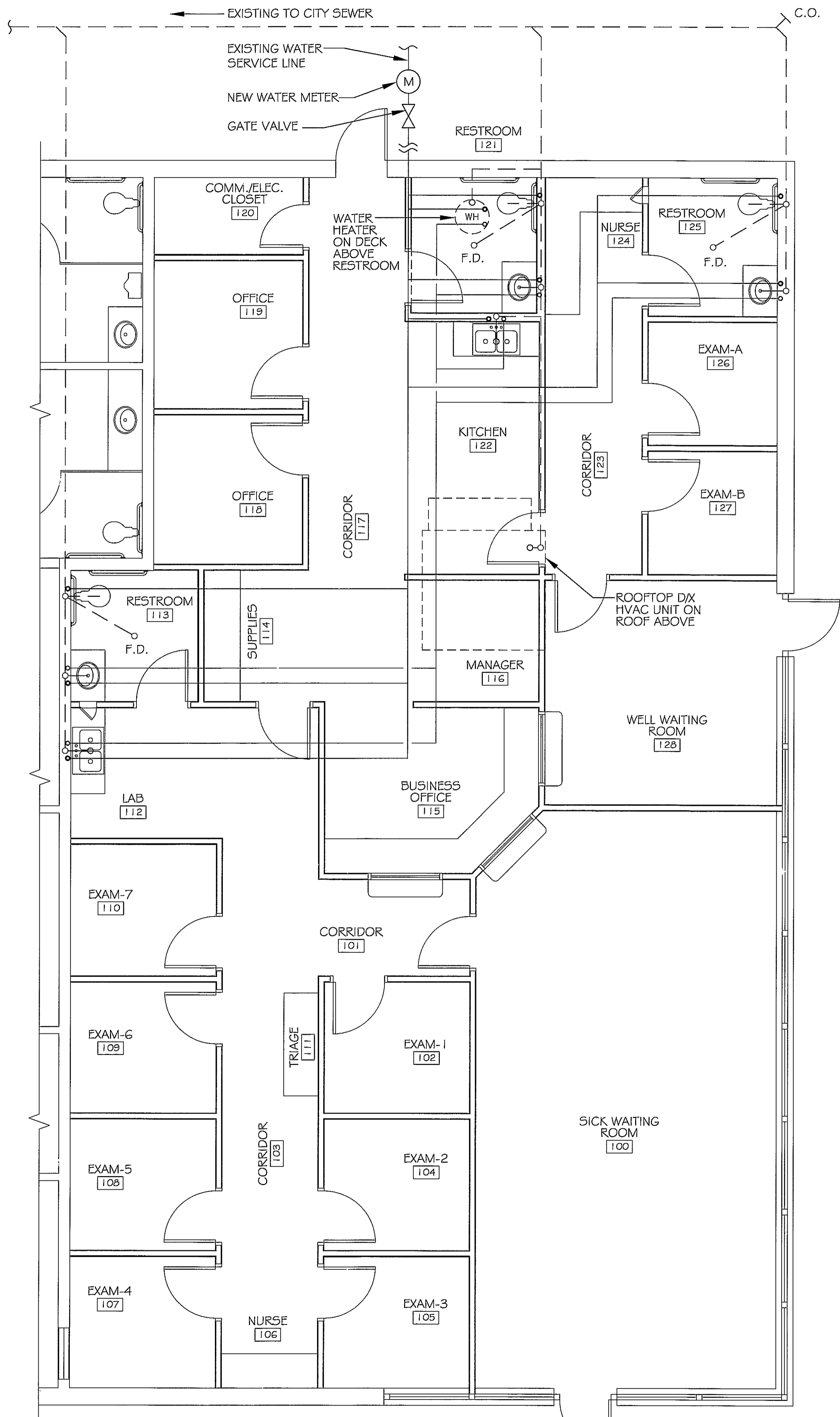
SOLID NEUTRAL NEUTRAL WIRE (W)      TOTAL CONNECTED LOAD (VA)=87,173      GROUND BUS GROUND WIRE (G)

AØ=29,049    BØ=29,065    CØ=29,059

SICK WAITING ROOM 100 LIGHTS

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*Patrick A. Flory*

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PLUMBING PLAN  
SCALE: 1/4"=1'

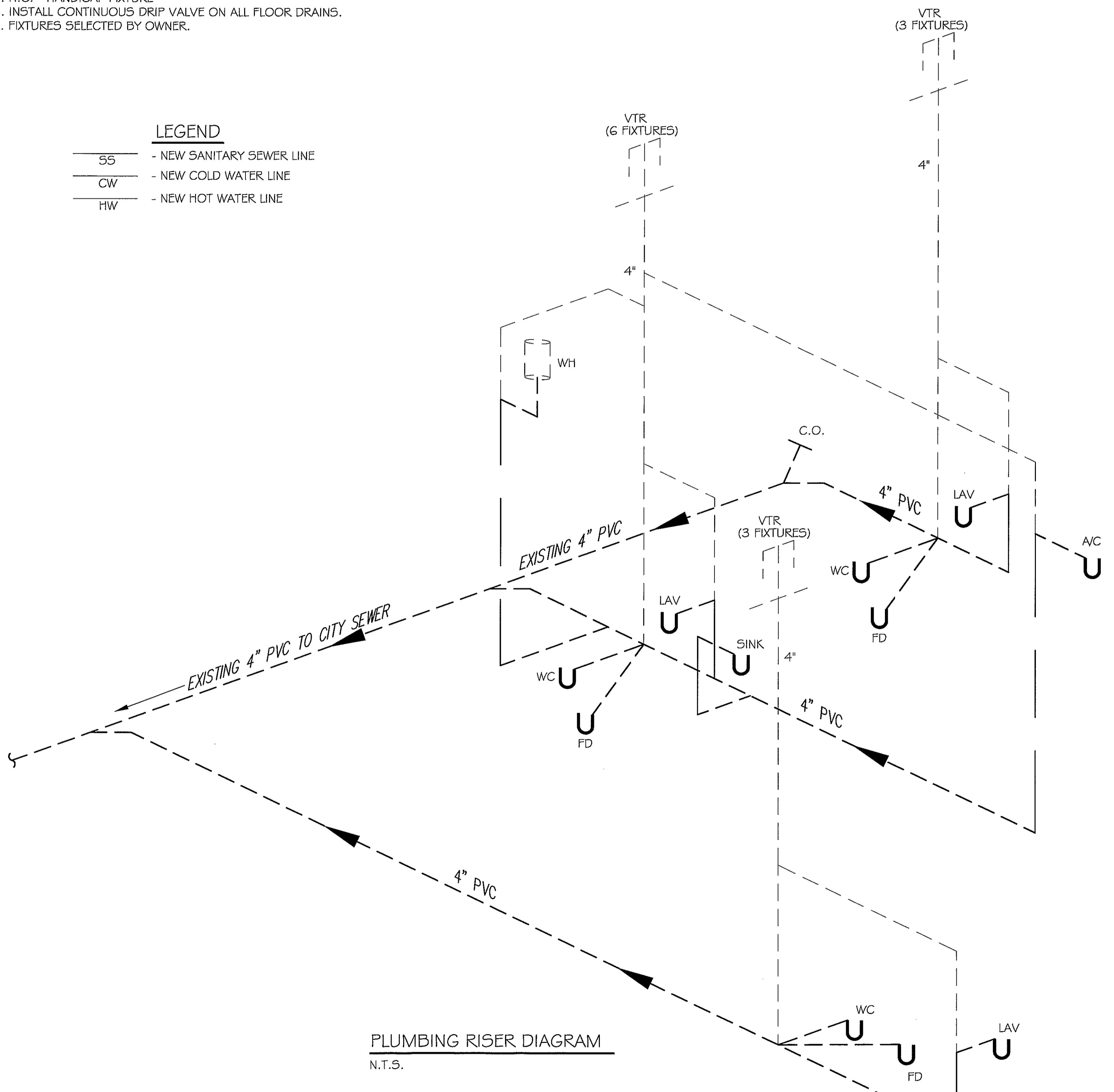
NOTE: PLUMBING DRAWINGS ARE DIAGRAMMATIC.

MARK	DESCRIPTION	TYPE	ROUGH-IN SIZES				NOTES
			WASTE	VENT	CW	HW	
WC	H.C. WATER CLOSET	VALVE	4"	4"	4"	-	3
LAV	H.C. LAVATORY	WALL HUNG	2"	2"	1/2"	1/2"	1, 2, 3
FD	FLOOR DRAIN	-	2"	2"	-	-	4
WH	WATER HEATER DRAIN	-	-	-	2"	3/4"	-
AC	AHU DRAIN	-	-	-	-	-	-
SINK	SINK DRAIN	-	2"	2"	1/2"	1/2"	-

- FIXTURE NOTES:
1. INSULATE PIPING FOR HANDICAP FIXTURES.
  2. PROVIDE CHAIR CARRIER FOR WALL HUNG FIXTURES.
  3. H.C. - HANDICAP FIXTURE
  4. INSTALL CONTINUOUS DRIP VALVE ON ALL FLOOR DRAINS.
  5. FIXTURES SELECTED BY OWNER.

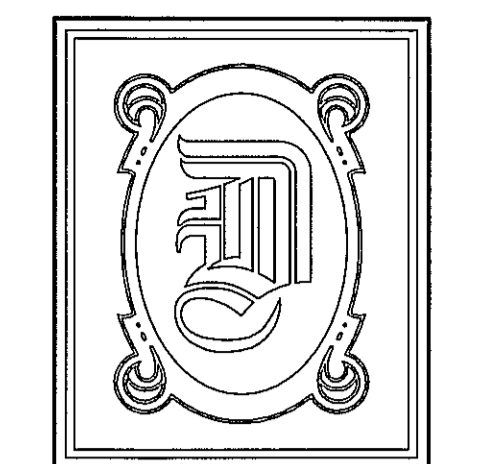
LEGEND

- SS - NEW SANITARY SEWER LINE
- CW - NEW COLD WATER LINE
- HW - NEW HOT WATER LINE



PLUMBING RISER DIAGRAM  
N.T.S.

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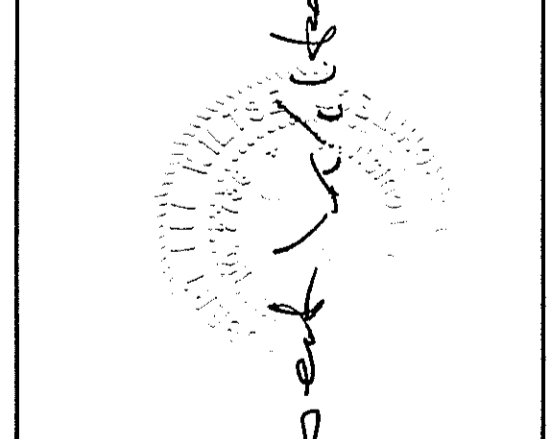
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PLUMBING  
PLAN, RISER,  
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REV: *[Signature]*

SCALE: AS NOTED

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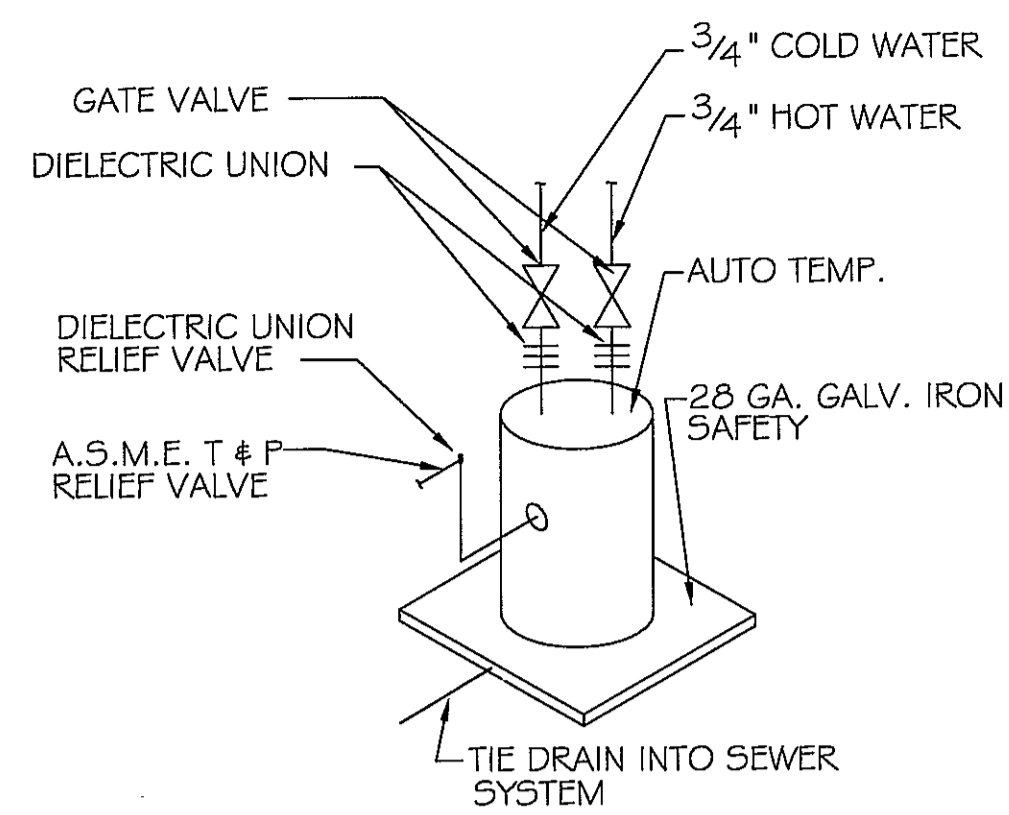
DATE: 02-24-11

SHEET 11

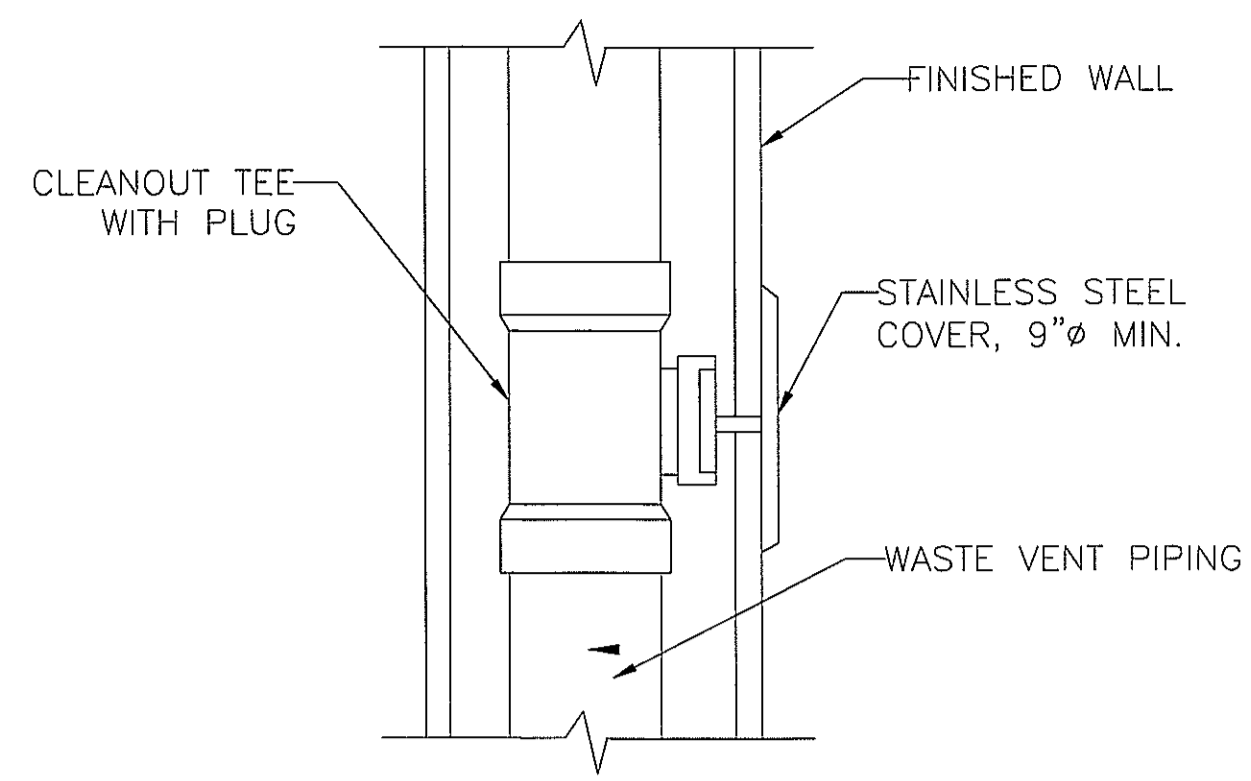
P-1  
OF 12

**PLUMBING NOTES**

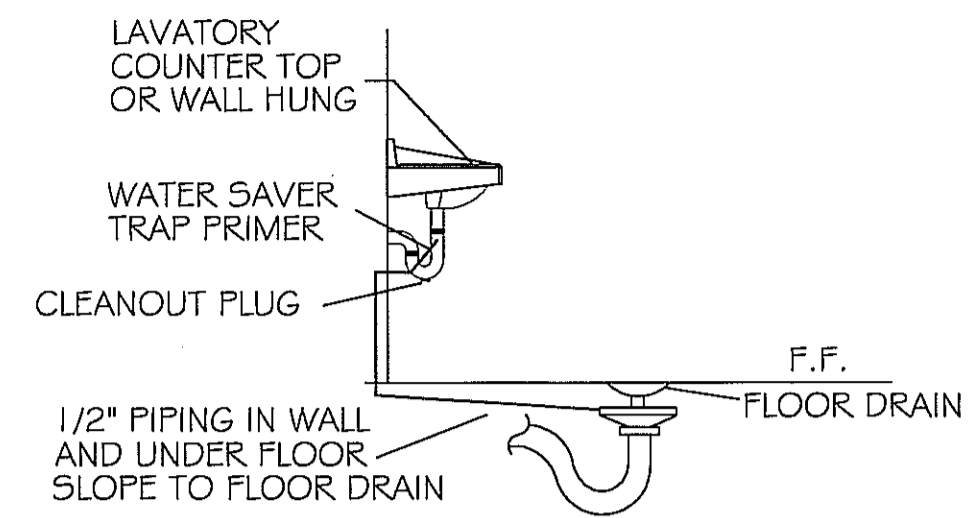
1. PROVIDE ALL LABOR, MATERIAL AND EQUIPMENT FOR A COMPLETE OPERATING SYSTEM. THE SYSTEM SHALL INCLUDE HOT AND COLD WATER PIPING, SEWER AND VENT PIPING, INSULATION, WATER HEATER, HANGERS, VALVES, SUPPORTS WITHOUT ANY RESTRICTIONS TO COLUMN. CUT AND PATCH AS REQUIRED TO INSTALL PIPES.
2. ALL WORK AND MATERIAL SHALL CONFORM STRICTLY TO THE LATEST LOCAL, CITY, PARISH, STATE AND NATIONAL GOVERNING CODES.
3. CONTRACTOR IS TO FIELD VERIFY ALL EXISTING UTILITY LOCATIONS, ELEVATIONS AND SIZES PRIOR TO COMMENCING ANY WORK. CONTRACTOR SHALL PAY NECESSARY FEES FOR THE UTILITIES CONNECTIONS.
4. CONTRACTOR IS RESPONSIBLE TO VERIFY THE EXISTING INVERTS AND SET NEW INVERTS OF SEWERAGE AND DRAINAGE PIPES.
5. SEWERAGE LINES 3-INCH AND SMALLER SHALL BE SLOPED 1/4" PER FOOT AND LINE 4-INCH AND LARGER SHALL BE 1/8" PER FOOT.
6. TEST ALL PIPING AT REQUIRED PRESSURE.
7. ALL PLUMBING SHALL BE CLOSELY COORDINATED WITH STRUCTURAL SYSTEM, MECHANICAL SYSTEM AND ELECTRICAL TO INSURE NO TRADES WILL CONFLICT WITH EACH OTHER.
8. DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF DOORS, WINDOWS, WALLS, FIXTURES, ETC.
9. ALL WATER MAINS AND PIPING NOT SHOWN FOR CLARITY, ALL LOCATIONS FIELD VERIFIED.
10. DOMESTIC HOT AND COLD WATER PIPING AND FITTINGS UNDER SLAB SHALL BE ASTM B88 COPPER WATER TUBE, TYPE K SOFT ANNEALED. NO JOINTS SHALL BE ALLOWED UNDER THE SLAB.
11. DOMESTIC WATER PIPING AND FITTINGS ABOVE THE SLAB SHALL BE ASTM B88 COPPER WATER TUBE, TYPE L HARD DRAWN WITH COPPER PRESSURE TYPE FITTINGS, ANSI B16.22. THE JOINTS SHALL BE SOLDERED TYPING USING ASTM B32, ALLOY GRADE 95A (95-5) SOLDER.
12. SOIL, WASTE, VENT PIPING AND FITTINGS ABOVE THE SLAB SHALL BE SERVICE WEIGHT CAST IRON PIPE WITH BELL AND SPIGOT ENDS AND ONE PIECE NEOPRENE INSERT TYPE GASKET. USE PVC SCHEDULE 40 OR ABS DWV PIPES AND FITTINGS WHERE PERMITTED BY CODE.
13. ALL WATER PIPING AND FITTINGS ABOVE THE FLOOR SHALL BE INSULATED WITH 1/2" THICK FIBERGLASS INSULATION AND JACKET.
14. ALL ELECTRICAL, MECHANICAL AND PLUMBING PENETRATING FIRE PARTITIONS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E814.)
15. ALL PLUMBING LINES SHOWN ARE DIAGRAMMATIC.



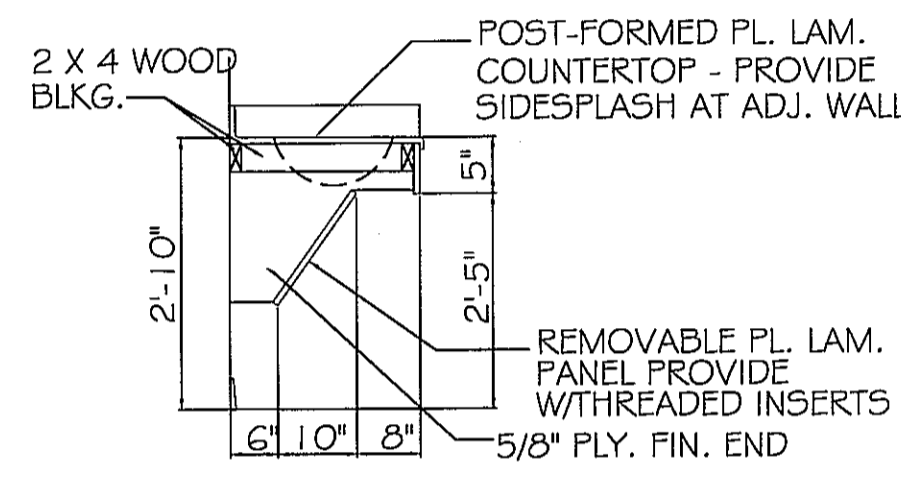
**TYPICAL WATER HEATER**  
N.T.S.



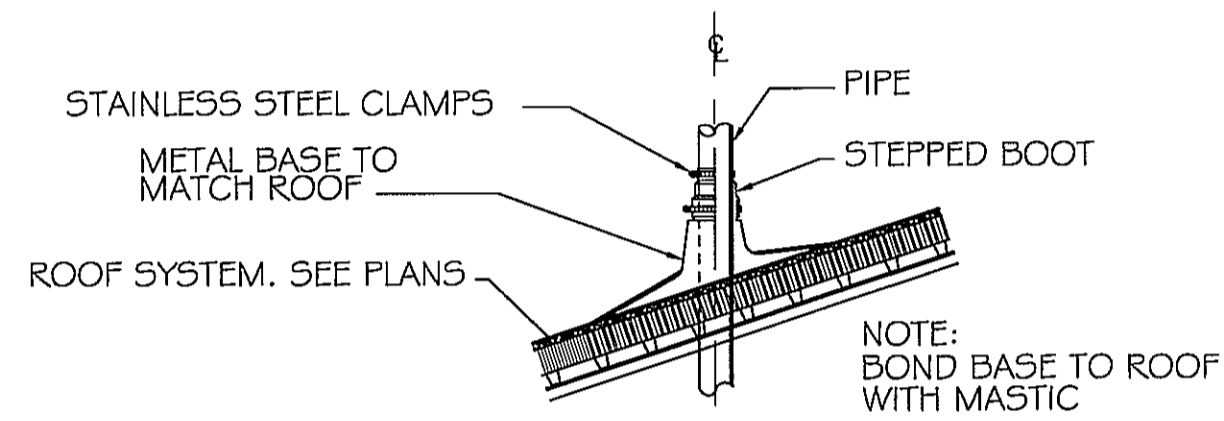
**WALL CLEANOUT DETAIL**  
N.T.S.



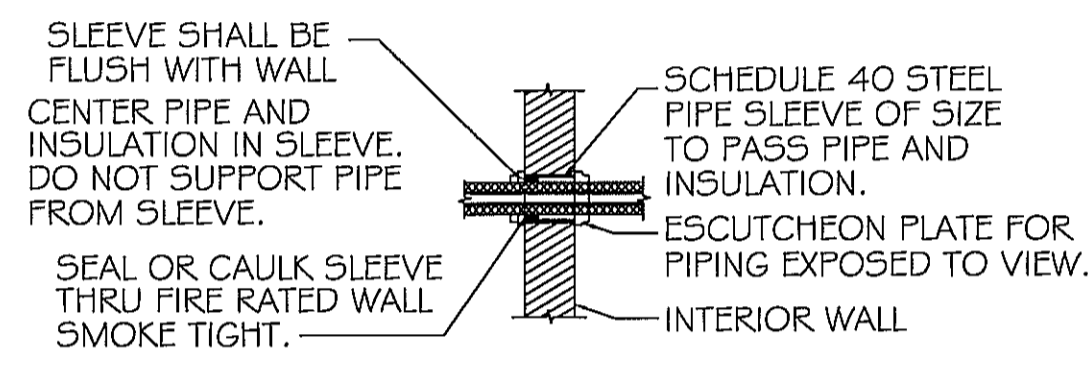
**FLOOR DRAIN DETAIL**  
N.T.S.



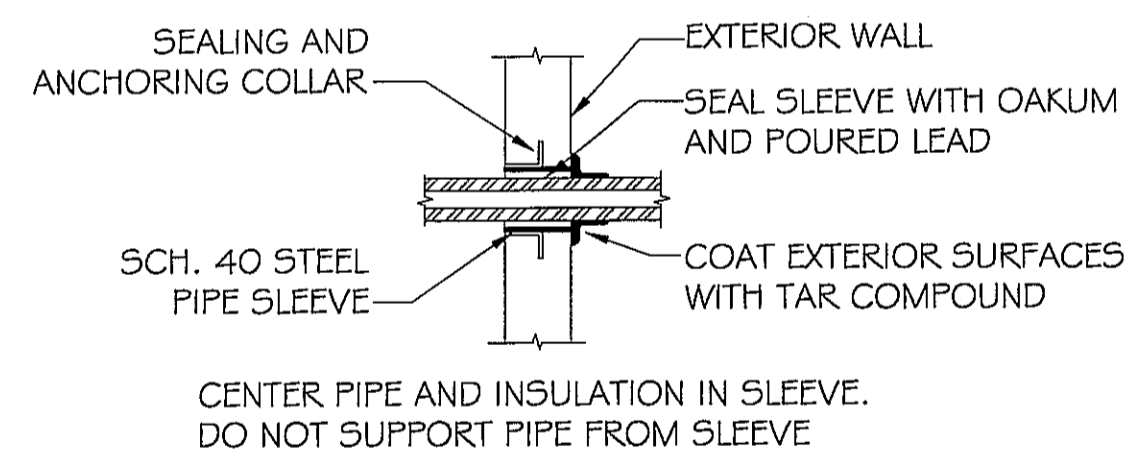
**TYPICAL HDCP VANITY**  
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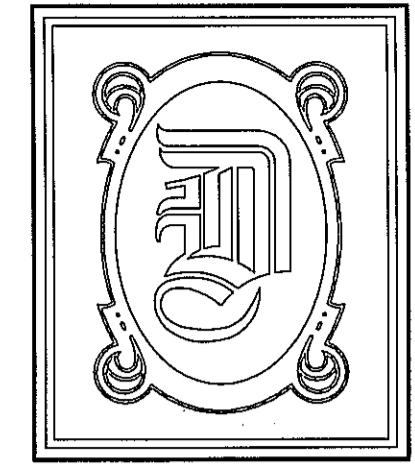
**VENT THRU ROOF DETAIL**  
N.T.S.



**TYPICAL INTERIOR WALL SLEEVE DETAIL**  
N.T.S.



**TYPICAL EXTERIOR WALL SLEEVE DETAIL**  
N.T.S.



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