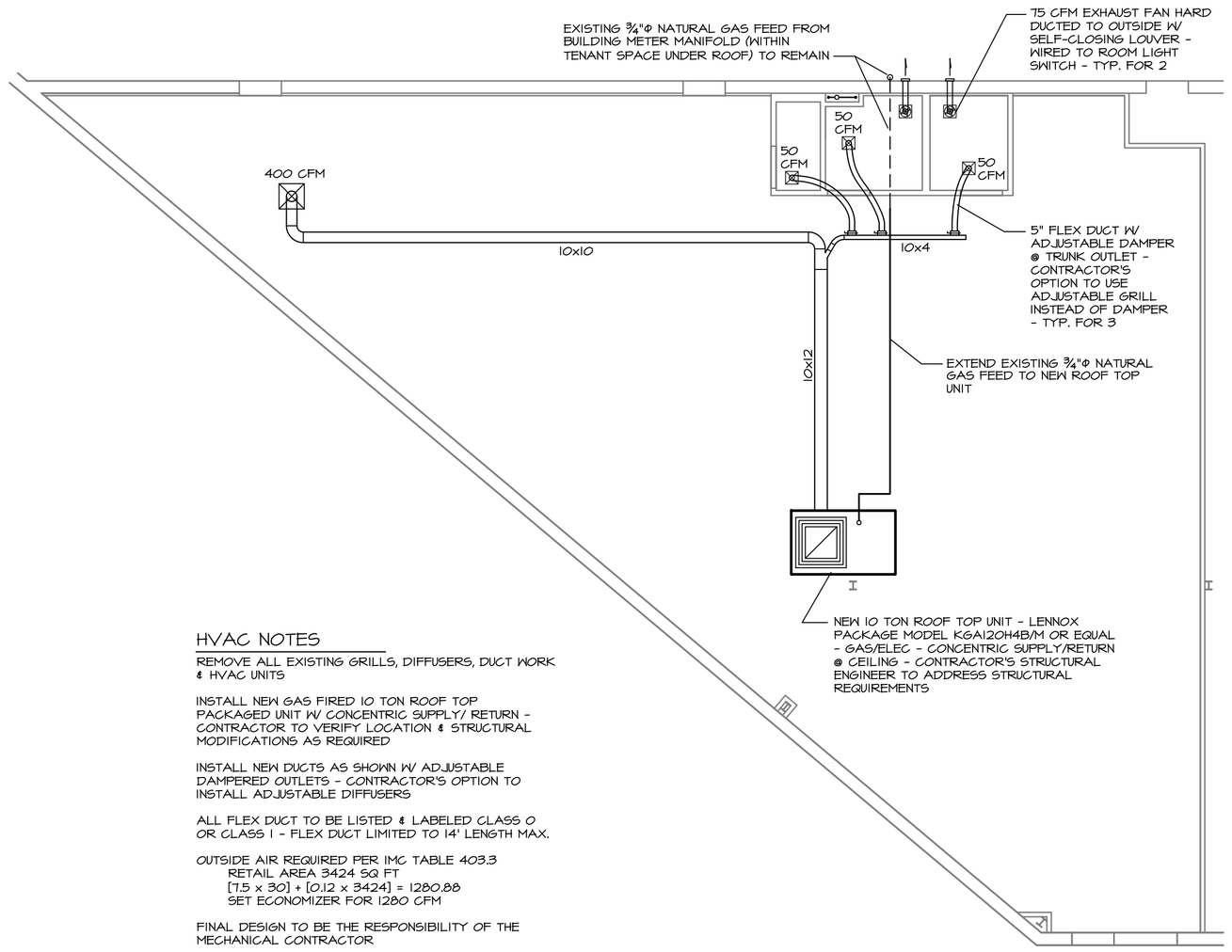


HVAC NOTES

REMOVE ALL EXISTING GRILLS, DIFFUSERS, DUCT WORK & HVAC UNITS

INSTALL NEW GAS FIRED 10 TON ROOF TOP PACKAGED UNIT W/ CONCENTRIC SUPPLY/ RETURN - CONTRACTOR TO VERIFY LOCATION & STRUCTURAL MODIFICATIONS AS REQUIRED

INSTALL NEW DUCTS AS SHOWN W/ ADJUSTABLE DAMPERED OUTLETS - CONTRACTOR'S OPTION TO INSTALL ADJUSTABLE DIFFUSERS

ALL FLEX DUCT TO BE LISTED & LABELED CLASS 0 OR CLASS 1 - FLEX DUCT LIMITED TO 14' LENGTH MAX.

OUTSIDE AIR REQUIRED PER IMC TABLE 403.3
RETAIL AREA 3424 SQ FT
[7.5 x 30] + [0.12 x 3424] = 1280.88
SET ECONOMIZER FOR 1280 CFM

FINAL DESIGN TO BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR

SCHEMATIC HVAC PLAN &NOTES

1/8" = 1'-0"

LIGHTING ENERGY EFFICIENCY PER IECC TABLE 505.5.2

RETAIL AREA ALLOWED 1.5 WATT / SQ. FT.

3424 x 1.5 = 5136 WATTS ALLOWED

EACH FIXTURE – 3 TUBES x 32 WATTS = 96 WATTS

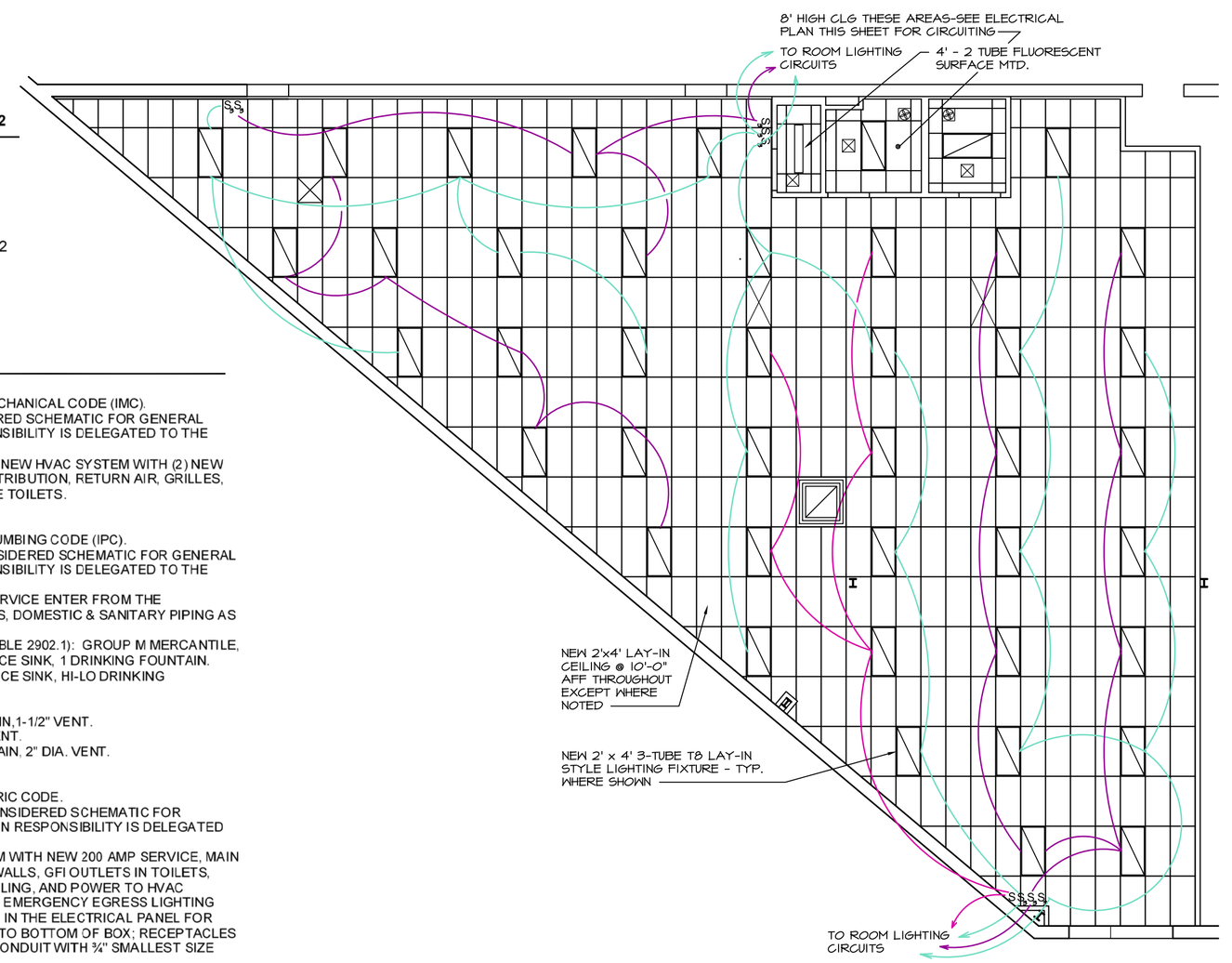
43 FIXTURES x 96 WATTS + 1 FIXTURE x 64 WATTS = 4192 WATTS

MEP NOTES

SCHEMATIC MECHANICAL NOTES
NEW WORK SHALL COMPLY WITH THE ICC INTERNATIONAL MECHANICAL CODE (IMC).
HVAC PLANS AS MAY BE SHOWN HEREIN ARE TO BE CONSIDERED SCHEMATIC FOR GENERAL LAYOUT & OPERATION ONLY; THE TECHNICAL DESIGN RESPONSIBILITY IS DELEGATED TO THE MECHANICAL CONTRACTOR.
SCOPE OF WORK (SOW) NOTES: PROVIDE AN ENTIRELY NEW HVAC SYSTEM WITH (2) NEW ROOFTOP UNITS AND ALL ASSOCIATED DUCTWORK,DISTRIBUTION, RETURN AIR, GRILLES, REGISTERS, THERMOSTATS, AND EXHAUST FANS IN THE TOILETS.

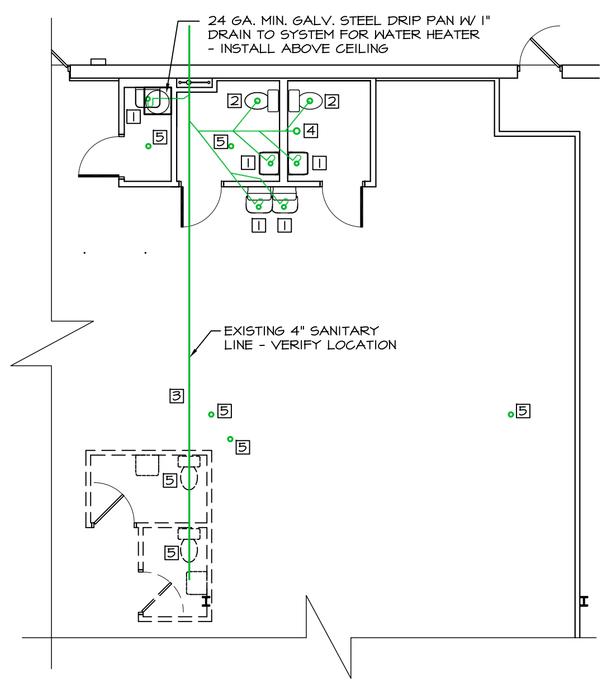
SCHEMATIC PLUMBING NOTES
NEW WORK SHALL COMPLY WITH THE ICC INTERNATIONAL PLUMBING CODE (IPC).
PLUMBING PLANS AS MAY BE SHOWN HEREIN ARE TO BE CONSIDERED SCHEMATIC FOR GENERAL LAYOUT & OPERATION ONLY; THE TECHNICAL DESIGN RESPONSIBILITY IS DELEGATED TO THE PLUMBING CONTRACTOR.
SOW NOTES: EXISTING WATER SERVICE & SANITARY SERVICE ENTER FROM THE SOUTHBACK WALL. PROVIDE NEW PLUMBING FIXTURES, DOMESTIC & SANITARY PIPING AS SHOWN ON THE FLOOR PLANS.
MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES (IBC TABLE 2902.1): GROUP M MERCANTILE, 1 WATER CLOSET PER 500 OCCUPANTS, 1 LAVATORY, 1 SERVICE SINK, 1 DRINKING FOUNTAIN.
COMPLIES: 1 MEN'S TOILET, 1 WOMENS TOILET, 1 SERVICE SINK, HI-LO DRINKING FOUNTAIN.
MINIMUM PLUMBING CONNECTIONS:
LAVATORY: 3/8" DIA. COLD; 3/8" DIA. HOT; 1-1/4" DIA. DRAIN,1-1/2" VENT.
WATER CLOSET: 3/8" DIA. COLD, 4" DIA. DRAIN, 2" DIA. VENT
SERVICE SINK: ½" DIA. COLD, ½" DIA. HOT, 1-1/2" DIA. DRAIN, 2" DIA. VENT.

SCHEMATIC ELECTRICAL NOTES
NEW WORK SHALL COMPLY WITH THE (NEC) NATIONAL ELECTRIC CODE.
ELECTRICAL PLANS AS MAY BE SHOWN HEREIN ARE TO BE CONSIDERED SCHEMATIC FOR GENERAL LAYOUT & OPERATION ONLY; THE TECHNICAL DESIGN RESPONSIBILITY IS DELEGATED TO THE ELECTRICAL CONTRACTOR.
SOW NOTES: PROVIDE AN ENTIRELY NEW ELECTRICAL SYSTEM WITH NEW 200 AMP SERVICE, MAIN ELECTRICAL PANEL, BASIC POWER OUTLETS ON PERIMETER WALLS, GFI OUTLETS IN TOILETS, RECESSED LIGHT FIXTURES IN THE NEW ACOUSTICAL TILE CEILING, AND POWER TO HVAC EQUIPMENT. PROVIDE BATTERY TYPE LIGHTED EXIT SIGN AND EMERGENCY EGRESS LIGHTING WITH WALL LOCATIONS AS SHOWN. PROVIDE SPARE CIRCUITS IN THE ELECTRICAL PANEL FOR FUTURE TENANT FIT-OUT. MOUNT NEW SWITCHES AT 42" AFF TO BOTTOM OF BOX; RECEPTACLES AT 18" TO BOTTOM OF BOX. NEW WIRING TO BE M/C OR EMT CONDUIT WITH ¾" SMALLEST SIZE AND MIN. #12 THHN.



REFLECTED CEILING & LIGHTING PLAN

1/8" = 1'-0"



SANITARY SEWER

PLUMBING NOTES

FIXTURES SHOWN ARE SUGGESTIONS ONLY - ANY COMMERCIAL GRADE ADA APPROVED FIXTURES ARE ALLOWED - INSTALL PER MANUFACTURER'S SPECIFICATIONS

REUSE EXISTING SANITARY SEWER & DOMESTIC WATER PIPING AS POSSIBLE

PLUMBING CONTRACTOR MUST VERIFY LOCATIONS OF EXISTING PIPING & FITNESS FOR USING, REFURBISHING OR REPLACING

SAW CUT CONCRETE FLOOR SLAB AS REQUIRED FOR U.G. PIPING - INFILL & FINISH SLAB TO SMOOTH SURFACE TO MATCH EXISTING

ALL PLUMBING WORK TO BE IN FULL COMPLIANCE WITH THE 2009 INTERNATIONAL PLUMBING CODE AND ALL OTHER APPLICABLE REGULATIONS

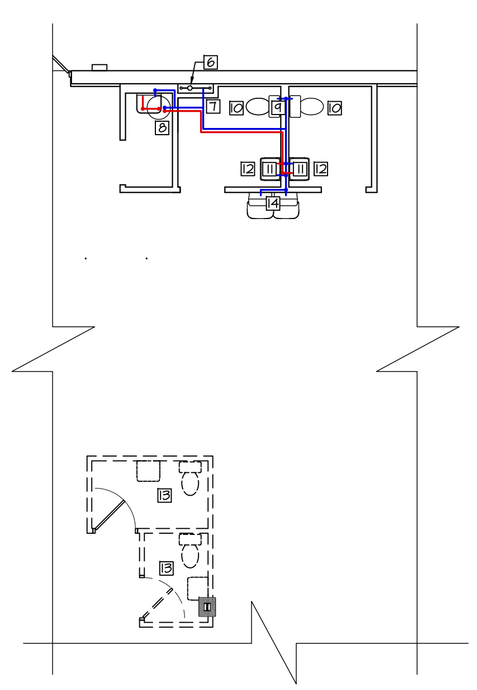
DRAINAGE FIXTURE SCHEDULE

NEW OR REPLACED FIXTURES	
WATER CLOSET	(2) = 8 dfu
LAVATORY	(2) = 2 dfu
SERVICE SINK	2 dfu
DRINKING FOUNTAIN	(2) = 1 dfu
TOTAL PROPOSED	13 dfu

4" EXISTING SANITARY SEWER @ ⅛" PER FOOT CAN CARRY UP TO 180 dfu (IPC 710.1)

SANITARY KEY NOTES

1. ¼" TRAPPED DRAIN - RUN NEW VENT TO ABOVE ROOF
2. NEW 4" FOR NEW WATER CLOSET - RUN NEW VENT TO ABOVE ROOF
3. VERIFY LOCATION OF EXIST. 4" SANITARY LINE & REUSE IF POSSIBLE
4. PROVIDE NEW 4" CLEAN OUTS TO MEET CODES
5. REMOVE EXISTING SANITARY LINES ABOVE SLAB FROM EXISTING TOILET ROOMS & WHERE OCCUR & CAP AS REQUIRED TO MEET CODES.



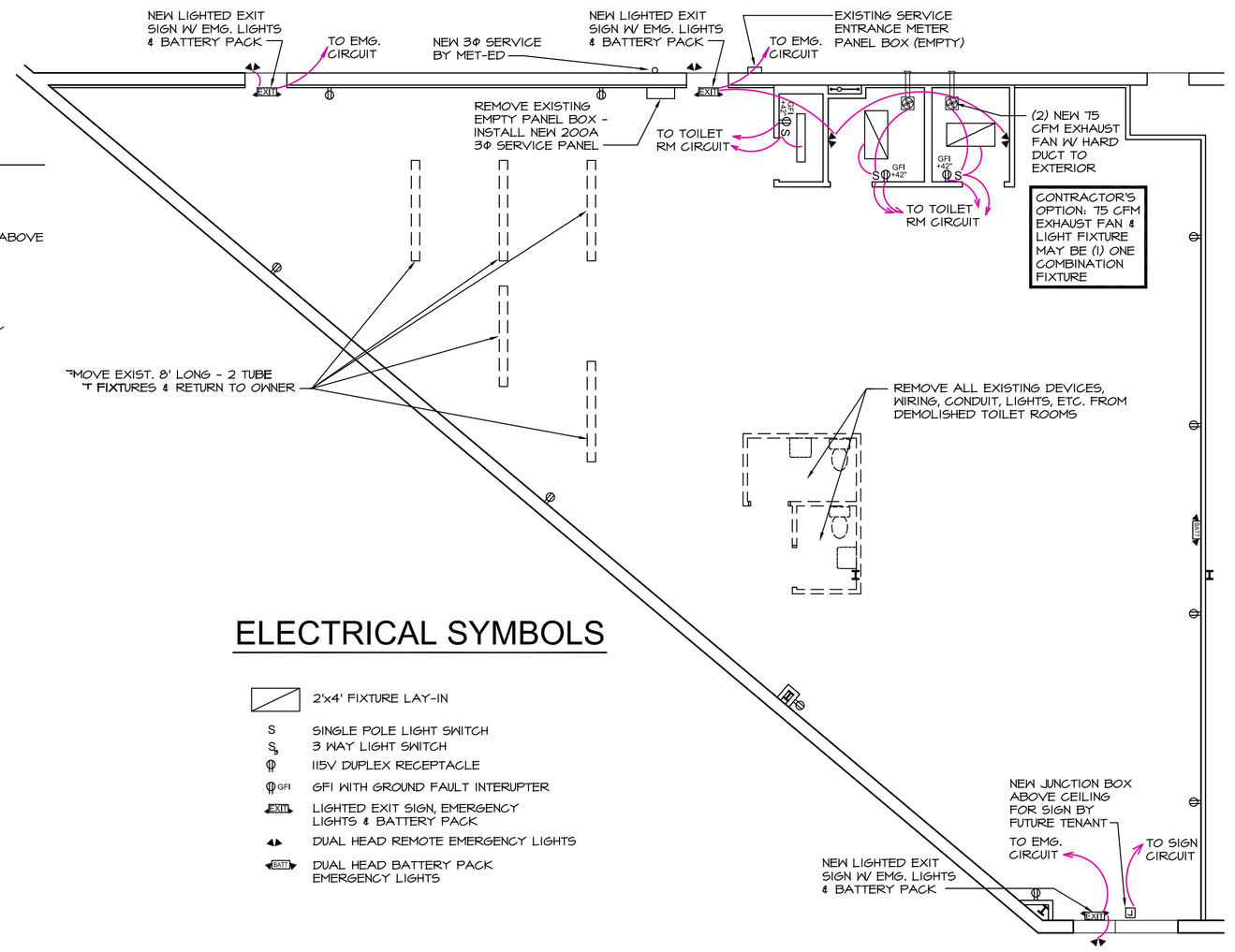
DOMESTIC WATER

DOMESTIC WATER KEY NOTES

6. EXIST. ¾" WATER METER
7. NEW ¾" DOMESTIC WATER FEED
8. 20 GAL HI-EFF ELECTRIC WATER HEATER ABOVE CEILING IN JANITOR CL.
9. ⅜" COLD FEED TO WATER CLOSET
10. NEW ADA APPROVED WATER CLOSET
11. ⅜" HOT & COLD FEEDS TO NEW LAVATORY
12. NEW ADA APPROVED LAVATORY
13. REMOVE EXISTING WATER LINES FEEDING LAVATORIES & CAP.
14. NEW COLD WATER LINES TO NEW DRINKING FOUNTAINS AS PER MFG. SPECS.

SCHEMATIC PLUMBING PLANS & NOTES

1/4" = 1'-0"



ELECTRICAL SYMBOLS

- 2'x4' FIXTURE LAY-IN
- S — SINGLE POLE LIGHT SWITCH
- S_3 — 3 WAY LIGHT SWITCH
- ⏚ — 115V DUPLEX RECEPTACLE
- ⏚ GFI — GFI WITH GROUND FAULT INTERUPTER
- EXIT — LIGHTED EXIT SIGN, EMERGENCY LIGHTS & BATTERY PACK
- DUAL HEAD REMOTE EMERGENCY LIGHTS
- EXIT — DUAL HEAD BATTERY PACK EMERGENCY LIGHTS

ELECTRICAL NOTES

REMOVE ALL EXISTING LIGHTING FIXTURES

REMOVE ALL EXISTING ROMEX WIRING

VERIFY ALL ROUGH-IN REQUIREMENTS FOR ELECTRICALLY OPERATED EQUIPMENT

COORDINATE ALL WORK WITH OTHER TRADES TO ELIMINATE CONFLICTS

ALL DEVICES SHALL BE 20 AMP SPEC. GRADE - COLOR TO BE DETERMINED BY OWNER

ALL NEW EMERGENCY LIGHTS TO BE TIED ON WITH ROOM CIRCUIT

ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS

SCHEMATIC ELECTRICAL PLAN & NOTES

1/8" = 1'-0"

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REFLECTED CEILING - ELEC - PLUMBING

LANDLORD'S WHITE BOX RENOVATIONS
40 SHIPPENSBURG SHOPPING CENTER
WALNUT BOTTOM ROAD AT AIRPORT ROAD
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FILE WILLNERx240-1.DWG
DATE DEC. 23, 2013
SCALE AS NOTED
DWN BY JCS/JF
REVISION -
SHEET A-2