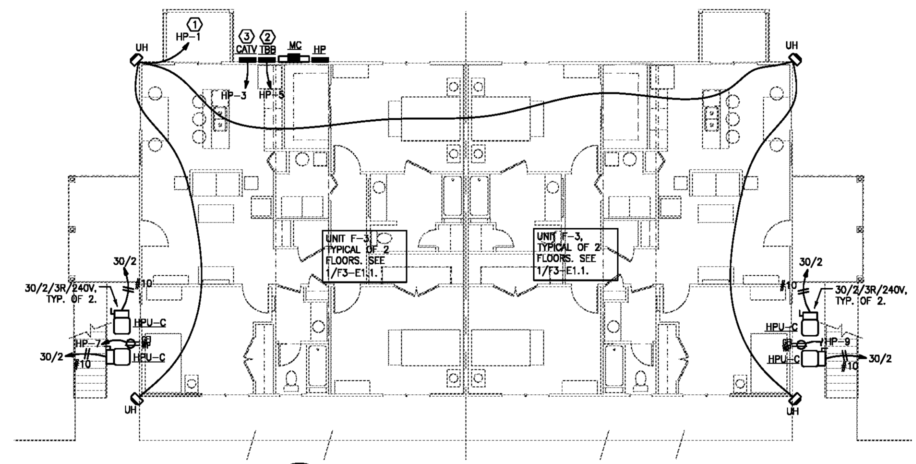
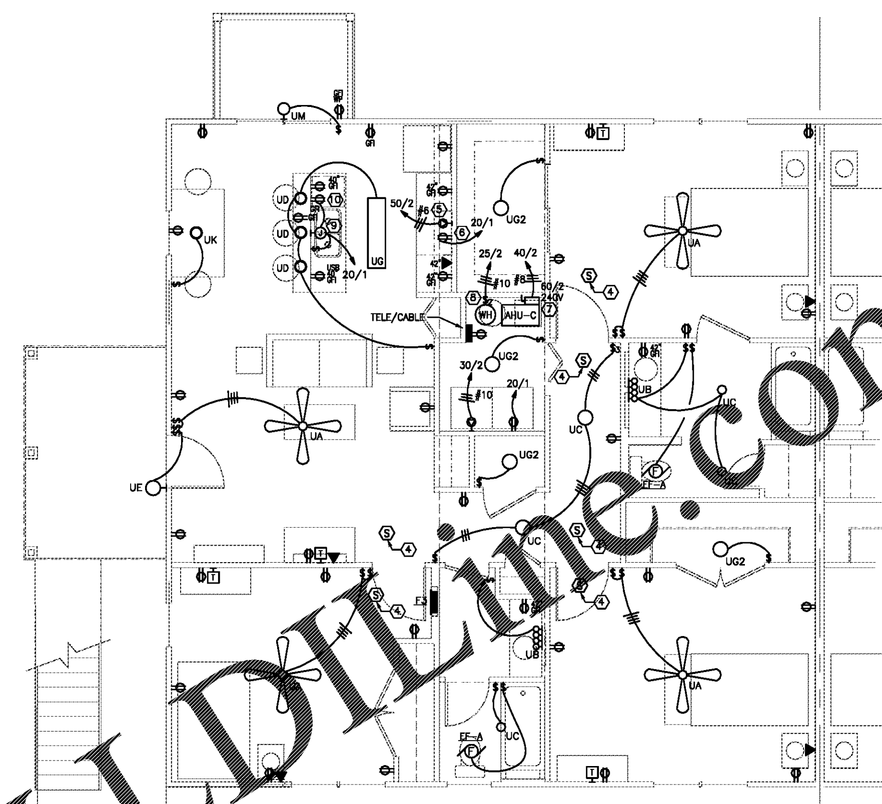
GENERAL UNIT NOTES:

A. PROVIDE AUXILIARY CONTACT IN SMOKE DETECTORS TO ACHIEVE SIMULTANEOUS SYNCHRONOUS OPERATION OF ALL DETECTORS IN THE UNIT UPON ACTIVATION OF ANY ONE DETECTOR IN THE UNIT.
B. PROVIDE AND INSTALL ELECTRICAL DEVICES IN ALL UNITS AS INDICATED ON THESE TYPICAL UNIT PLANS. CONNECT ALL DEVICES AS INDICATED ON THESE PLANS, WIRING SCHEDULES, PANEL SCHEDULES, AND PER THE NEC.
C. VERIFY INSTALLATION REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR. ADJUST CIRCUIT BREAKER, CONDUCTOR, RACEWAY, AND DISCONNECT SIZES AS REQUIRED BY EQUIPMENT NAMEPLATE.
D. COORDINATE LOCATION OF TELEPHONE J-BOXES AND CATV SPLITTER BOXES WITH THE RESPECTIVE UTILITIES PRIOR TO BID AND INSTALLATION.
E. ELECTRICAL OUTLET BOXES SHALL NOT BE INSTALLED BACK TO BACK WITHIN THE SAME STUD SPACE.
F. BRANCH CIRCUIT CONDUCTORS SHALL BE COPPER, #14 AWG MINIMUM FOR 15A CIRCUITS, #12 AWG MINIMUM FOR 20A CIRCUITS, OR AS NOTED ON THE PLANS OR SCHEDULES.
G. PROVIDE WHITE DECOR TYPE FINISH FOR ALL RECEPTACLES, SWITCHES, TELEPHONE JACKS, ETC.
H. VERIFY HEIGHT AND LOCATION OF RECEPTACLES MOUNTED ABOVE COUNTER IN KITCHEN. COORDINATE INSTALLATION WITH CABINETRY. RECEPTACLES TO BE INSTALLED PER NEC REQUIREMENTS.
I. VERIFY INSTALLATION REQUIREMENTS OF EQUIPMENT AND DEVICES PRIOR TO ROUGH-IN. COORDINATE INSTALLATION WITH GENERAL CONTRACTOR.
J. ADJACENT DEVICES SHALL BE GANGED TOGETHER UNDER A COMMON COVERPLATE.
K. COORDINATE THE LOCATION AND INSTALLATION OF TELEPHONE AND CATV CABLES AND DEVICES WITH THE RESPECTIVE UTILITIES PRIOR TO ROUGH-IN.
L. PROVIDE TAMPER-RESISTANT RECEPTACLES FOR ALL NONLOCKING-TYPE 125-VOLT, 15A AND 20A RECEPTACLES IN DWELLING UNIT AREAS.
M. ALL NON-SWITCHED GENERAL RECEPTACLES, SMALL APPLIANCE RECEPTACLES, AND REFRIGERATION RECEPTACLES IN THE KITCHEN, PANTRY, BREAKFAST ROOM, DINING ROOM, OR SIMILAR AREA SHALL BE CONNECTED TO ONE OF THE TWO 20A KITCHEN RECEPTACLE BRANCH CIRCUITS AS INDICATED ON THE LOADCENTER SCHEDULE.



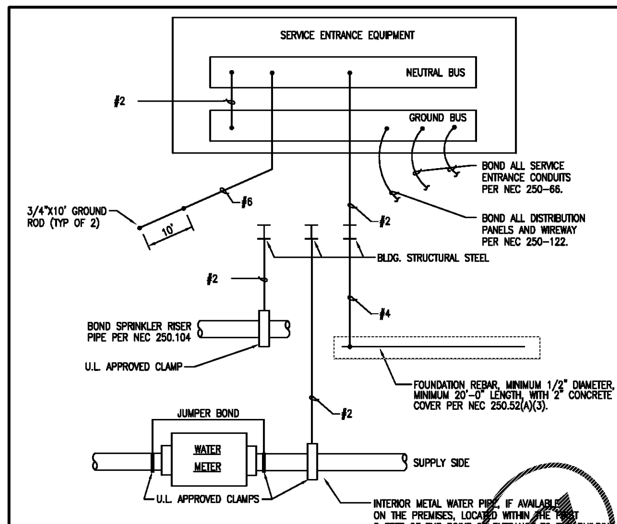
2 BUILDING ELECTRICAL PLAN
F3-E1.1 SCALE: 1/8" = 1' - 0"



1 UNIT F-3 PLAN
F3-E1.1 SCALE: 1/4" = 1' - 0"

ELECTRICAL LEGEND

Symbol	Description
	FLUORESCENT TROFFER. SEE FIXTURE SCHEDULE.
	FLUORESCENT TROFFER WITH EMERGENCY BATTERY/CHARGER PACK.
	FLUORESCENT STRIP FIXTURE. SEE FIXTURE SCHEDULE.
	FLUORESCENT FIXTURE, SURFACE MOUNTED, OR PENDANT. SEE FIXTURE SCHEDULE.
	HID FIXTURE. SEE FIXTURE SCHEDULE.
	INCANDESCENT OR HID FIXTURE. SEE FIXTURE SCHEDULE.
	INDICATES WALL BRACKET TYPE MOUNTING.
	EXIT LIGHT WITH BATTERY BACKUP.
	COMBINATION EXIT LIGHT WITH BATTERY BACK UP AND EMERGENCY LIGHTING FEATURE USING TWO HEADS AND REMOTE CAPABILITY.
	EMERGENCY LIGHT WITH BATT./CHARGER, TWO HEADS WITH REMOTE HEAD CAPABILITY.
	REMOTE EMERG. LIGHT HEAD ON ONE GANG BOX AND CONNECTED TO EMERGENCY LIGHT OR COMBINATION EXIT LIGHT.
$	WALL SWITCH, SINGLE POLE, 120/277V. QUIET TYPE 44" AFF ON CENTER OR AS NOTED.
$2 $3 $M $O	WALL SWITCHES: 2 POLE/3 WAY/MOTOR RATED/OCCUPANCY SENSOR
OS	CEILING MOUNTED OCCUPANCY SENSOR
D	DIMMER SWITCH, 2000W @ 44"AFF ON CENTER OR AS NOTED.
J	JUNCTION BOX WITH COVER PLATE.
	JUNCTION OR PULL BOX.
F	MOTOR, FRACTIONAL HP TYPE OR, EXHAUST FAN.
#	MOTOR, SIZE AS NOTED.
60/3/1	DISCONNECT SWITCH NON FUSED. RATING/POLES/NEMA ENCLOSURE.
60/3/F50A/1	DISCONNECT SWITCH, FUSED. RATING/POLES/FUSE RATING/NEMA ENCLOSURE.
	PANELBOARD, 480Y/277V OR 208Y/120V OR 240/120V, SURFACE OR RECESSED AS SHOWN.
	TELEPOWER POLE.
	DUPLEX RECEPTACLE, 18" AFF ON CENTER OR AS NOTED, 15A 125V.
	DUPLEX RECEPTACLE, DEDICATED, 18" AFF ON CENTER OR AS NOTED, 20A 125V.
IG	DUPLEX RECEPTACLE, ISOLATED GROUND TYPE, ORANGE MARKING, 18" AFF ON CENTER UNLESS NOTED.
	DUPLEX RECEPTACLE, ABOVE COUNTER HEIGHT OR AS NOTED, 20A/125V.
	DUPLEX RECEPTACLE, (GFCI), ABOVE COUNTER HEIGHT OR AS NOTED.
WP	DUPLEX RECEPTACLE, (GFCI) WEATHERPROOF WITH GASKETED COVER, AT 18" AFF ON CENTER OR AS NOTED, MOUNT ON PEDESTAL OR ATTACH TO EQUIP. ENCL. ON ROOF.
	QUADRUPLEX RECEPTACLE, 18" AFF ON CENTER OR AS NOTED, 15A/125V.
	SPECIAL RECEPTACLE, COORDINATE NEMA CONFIGURATION WITH EQUIPMENT.
	CONDUIT AND WIRE CONCEALED IN WALL OR ABOVE CEILING. 'EC' MEANS EMPTY CONDUIT WITH PULL CORD.
	CONDUIT AND WIRE UNDERGROUND OR BELOW SLAB.
	HOMERUN TO PANEL.
	SLASH MARKS INDICATE NUMBER OF #12 WIRES IN CONDUIT, EXTENDED SLASH IS NEUTRAL. ABSENCE OF SLASHES IS 2#12. SIZE CONDUIT PER N.E.C. EQUIPMENT GROUND REQUIRED IN PVC CONDUIT BUT NOT SHOWN.
#10	INDICATES INCREASED WIRE SIZE FOR VOLTAGE DROP/AMPACITY.
T	TELEPHONE HOME RUN TO TEL. CABINET. 1" PVC WITH PULL CORD. STUB UP 6" AFF ON CENTER IN SHOP AT TBB AND SEAL, SEE ELECTRICAL SITE PLAN.
TBB	TEL. BACKBOARD (OR TERMINAL BOARD) 2' x 4' x 3/4" MARINE GRADE, PLYWOOD PAINTED LIGHT GRAY. PROVIDE RECEPTACLE AND POSITIVE GROUND CONDUCTOR. (#6 AWG COPPER)
	DATA OUTLET, WALL MOUNTED 18" AFF ON CENTER OR AS NOTED, WITH 3/4" CONDUIT STUBBED ABOVE CEILING.
	TELEPHONE OUTLET, WALL MOUNTED 18" AFF ON CENTER OR AS NOTED, WITH 3/4" CONDUIT STUBBED ABOVE CEILING.
	COMBINATION TELEPHONE/DATA OUTLET BOX, WALL MOUNTED 18" AFF ON CENTER OR AS NOTED, WITH 3/4" CONDUIT STUBBED ABOVE CEILING.
	TWO-GANG FLUSH FLOOR BOX WITH DUPLEX RECEPTACLE AND COMMUNICATIONS OUTLET WITH COVERS AND CARPET FLANGE.
J	THREE-GANG FLUSH FLOOR BOX WITH DUPLEX RECEPTACLE, COMMUNICATIONS OUTLET AND CRT OUTLET WITH COVERS AND CARPET FLANGE.
S	SPEAKER ROUGH-IN LOCATION.
RT/WP	RAIN TIGHT/WEATHERPROOF.
NL	NIGHT LIGHT, CONNECT TO UNSWITCHED CONDUCTORS OF LIGHTING CIRCUIT.
AFF/AFG	ABOVE FINISHED FLOOR OR GRADE.
NRC	NEAREST RECEPTACLE CIRCUIT.
S	SMOKE DETECTOR
CS	COMBINATION SMOKE DETECTOR/CO DETECTOR.
D	DUCT MOUNTED SMOKE DETECTOR.
F	SPRINKLER RISER FLOW SWITCH.
T	SPRINKLER RISER TAMPER SWITCH.
N	NEW DEVICE.
R	RELOCATED DEVICE.
E	EXISTING DEVICE.
	CAMERA.
	BUTTON.
T	TV OUTLET.
	PLUGMOLD.



3 SERVICE GROUNDING DETAIL
F3-E1.1 SCALE: NONE

NOTE: COORDINATE WITH GENERAL CONTRACTOR AND PLUMBING CONTRACTOR TO ENSURE PROPER INSTALLATION OF GROUNDING ELECTRODE SYSTEM.

NOTES AND SPECIFICATIONS:

1. CONTRACTOR SHALL VISIT THE SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH EXISTING CONDITIONS. NO ALLOWANCE WILL BE SUBSEQUENTLY MADE IN HIS BEHALF BECAUSE OF ANY ERROR ON HIS PART RELATED TO ABSENCE OF KNOWLEDGE ABOUT THE WORK OR THE SITE.
2. CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, AND EQUIPMENT, PAY ALL FEES AND COSTS, SHALL OBTAIN ALL PERMITS, APPROVALS, AND INSPECTIONS TO PROVIDE A COMPLETE ELECTRICAL INSTALLATION.
3. CONTRACTOR SHALL COORDINATE WITH ALL UTILITIES. CONTRACTOR SHALL PAY ALL ASSOCIATED COSTS FOR TEMPORARY AND PERMANENT POWER.
4. ALL ELECTRICAL INSTALLATIONS TO COMPLY WITH NATIONAL AND LOCAL CODES AND TO BE INSTALLED IN A FIRST CLASS WORKMANLIKE MANNER.
5. ALL ITEMS INSTALLED PER THESE DRAWINGS SHALL BE NEW AND U.L. LABELED AND LISTED FOR THEIR SPECIFIC USE.
6. WORK SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF OCCUPANCY (C.O.). ALL ELECTRICAL EQUIPMENT AND SYSTEMS SHALL BE TESTED AND ADJUSTED FOR PROPER OPERATION AND FAULT FREE UPON DELIVERY TO OWNER.
7. LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL COORDINATE ACTUAL LOCATIONS WITH OTHER TRADES. THESE DRAWINGS ARE GENERALLY DIAGRAMMATIC IN NATURE.
8. ANY RENOVATION WORK OF EXISTING INSTALLATIONS INCLUDED IN THESE DRAWINGS IS BASED ON INFORMATION PROVIDED TO THE ENGINEER AND/OR THE ENGINEER'S FIELD OBSERVATIONS. CONTRACTOR SHALL NOTIFY THE ENGINEER OF DISCREPANCIES FOUND IN THE EXISTING INSTALLATION AND THE WORK SHOWN IN THESE DRAWINGS THAT MAY ADVERSELY AFFECT THE COST OR SCOPE OF WORK.
9. ALL ELECTRICAL EQUIPMENT SHALL BE IDENTIFIED WITH PERMANENT LABELS. EXTERIOR LABELS SHALL BE WEATHERPROOF.
10. PANELBOARDS SHALL BE EQUAL TO SQUARE D TYPE NQOD, BOLT-ON BREAKERS, 20" MINIMUM WIDTH. SEE PANELBOARD SCHEDULES FOR AIC RATINGS.
11. ALL 15A/1P AND 20A/1P CIRCUIT BREAKERS SHALL BE SWITCH DUTY RATED. ALL BREAKERS SERVING HVAC EQUIPMENT SHALL BE HACR RATED. MULTI-POLE BREAKERS SHALL HAVE COMMON TRIP ELEMENT.
12. PANELS SHALL BE DEADFRONT WITH NO OPEN SPACES OR KNOCK-OUTS. PANELS SHALL NOT HAVE CABINETS OR BUSSING MOUNTED UPSIDE DOWN.
13. PANELS SHALL HAVE NUMBERED POLE SPACES AND COMPLETED, CORRECT PANEL SCHEDULE.
14. CONDUCTORS SHALL BE COPPER, TYPE THHN/THWN 600V, 75°C. MINIMUM WIRE SIZE IS #12 AWG.
15. WHEN PVC CONDUIT IS USED, PROVIDE AN ADDITIONAL EQUIPMENT GROUNDING CONDUCTOR.
16. WHERE CONDUIT, WIRE, OR EQUIPMENT SIZES AND TYPES ARE NOT SHOWN, THEY SHALL BE IN ACCORDANCE WITH NEC REQUIREMENTS.
17. EQUIPMENT, CONDUIT, AND DEVICES ON UNFINISHED WALLS ARE EXPOSED UNLESS NOTED OTHERWISE. CONDUIT AND DEVICES ON STUD OR FURRED WALLS SHALL BE CONCEALED OR RECESSED.
18. EXPOSED AND ABOVE CEILING BRANCH CIRCUITRY SHALL BE THHN COPPER INSTALLED IN EMT RACEWAY WITH STEEL SET SCREW FITTINGS.
19. IN WALLS AND ABOVE CEILINGS, LIGHTING BRANCH CIRCUITRY MAY BE ACCOMPLISHED WITH A FLEXIBLE WIRING SYSTEM COMPLETE WITH ALL FITTINGS AND ACCESSORIES AS MANUFACTURED BY LITHONIA LIGHTING OR EQUAL, LISTED FOR PLENUM USE.
20. UTILIZE TYPE MC CABLE FOR BRANCH CIRCUITRY IN WALLS AND ABOVE CEILINGS.
21. SIZE CONDUCTORS AS NECESSARY TO MEET VOLTAGE DROP REQUIREMENTS OF N.E.C.
22. PROVIDE 1#6 COPPER GROUND CONDUCTOR AT TELEPHONE BACKBOARD. CONNECT TO BUILDING STEEL.
23. CIRCUITS TO ROOF SHALL BE ROUTED WITHIN RTU CURB.
24. METALLIC ELECTRICAL BOXES SHALL BE INSTALLED SO THERE IS A 24" MIN. HORIZONTAL SEPARATION WHEN BOXES ARE LOCATED ON OPPOSITE SIDES OF A RATED WALL. THE OPENING BETWEEN THE BOX AND THE WALLBOARD SHALL NOT EXCEED 1/8".
25. COORDINATE WITH ARCHITECT OR OWNER FOR COLOR AND FINISH OF DEVICES AND COVERPLATES.

UNIT F3

LIGHTING/RECEPTACLES: 1410 ft² @ 3 VA/ft² =	4230
APPLIANCE CIRCUITS: 2 @ 1500 EACH	3000
LAUNDRY CIRCUIT:	1500
DRYER:	5000
RANGE:	8000
WATER HEATER:	4500
DISHWASHER:	800
DISPOSAL:	500
HOOD:	1500
SUBTOTAL (VA) =	29030
1st 10,000 @ 100%:	10000
REMAINDER @ 40%:	7612
HVAC:	
COOLING: 4272	
HEATING: 8864	13136
TOTAL (VA) =	30748
TOTAL AMPS @ 240 V =	128.1
PANEL & FEEDER SIZE:	150 AMPS

PANELBOARD SCHEDULE - HP

MAINS: 60A MLO | VOLTAGE: 240/120V | PHASE: 1 | WIRE: 3 | MOUNTING: SURFACE | ENCLOSURE: NEMA 1

CKT #	TRIP/ POLE	DESCRIPTION	CONNECTED LOAD KVA PHASE A		PHASE B		DESCRIPTION	TRIP/ POLE	CKT #
1	20/1	LIGHTING - EXTERIOR BUILDING	1.35				SPARE	20/1	2
3	20/1	CATV			0.20		SPARE	20/1	4
5	20/1	TELE	0.20						6
7	20/1	RECEPTS			0.36				8
9	20/1	SPARE							10
11	20/1	SPARE							12

MIN. BREAKER A.I.C.: 10000 | 1.55 | 0.56 | TOTAL CONNECTED LOAD: 2.11 KVA
LIGHTING: 1.35 | RECEPTACLES: 0.36 | SINGLE Ø MOTORS: | —
HVAC: | WATER HEATERS: | OTHER CONTINUOUS: 0.40 | OTHER NON-CONTINUOUS:
— | — | | TOTAL DEMAND LOAD: 2.55 kVA
| | | TOTAL DEMAND AMPS: 10.61 A
NOTES:

LOADCENTER SCHEDULE - F3

MAINS: 150A MLO | VOLTAGE: 240/120V | PHASE: 1 | WIRE: 3 | MOUNTING: FLUSH | ENCLOSURE: NEMA 1

CKT #	TRIP/ POLE	DESCRIPTION	CONNECTED LOAD KVA PHASE A		PHASE B		DESCRIPTION	TRIP/ POLE	CKT #
1	20/1*	KITCHEN RECEPTACLES	1.50	4.00			RANGE	50/2	2
3	20/1*	KITCHEN RECEPTACLES			1.50	4.00			4
5	20/1*	DISHWASHER/DISPOSAL	1.30	2.50			DRYER	30/2	6
7	20/1*	WASHING MACHINE			1.50	2.50			8
9	20/1	BATH RECEPTACLES		2.25			WATER HEATER	25/2	10
11	20/1*	HOOD			1.50	2.25			12
13	15/1*	LIGHTS & RECEPTACLES					AHU-C	40/2	14
15	15/1*	LIGHTS & RECEPTACLES							16
17	15/1*	LIGHTS & RECEPTACLES					HPU-C	30/2	18
19	15/1*	LIGHTS & RECEPTACLES							20
21	15/1*	LIGHTS & RECEPTACLES							22
23	15/1*	SPARE							24
25	15/1*	SPARE							26
27									28
29									30

SEE UNIT PANEL CALCULATIONS.
NOTES:
*PROVIDE AFCI TYPE CIRCUIT BREAKER. CKT #: 1,3,5,11,13,15,17,19,21,23,25
*PROVIDE AFCI/GFI TYPE CIRCUIT BREAKER. CKT #: 7

METERCENTER MC

UNIT NAME	QUANTITY	SERVICE SIZE
F3	4	150A

LIGHTING/RECEPTACLES: 5640 ft² @ 3 VA/ft² =		16920
APPLIANCE CIRCUITS: 8 @ 1500 EACH		12000
LAUNDRY CIRCUIT:	4 x 1500 =	6000
DRYER:	4 x 5000 =	20000
RANGE:	4 x 8000 =	32000
DISHWASHER:	4 x 800 =	3200
DISPOSAL:	4 x 500 =	2000
HOOD:	4 x 1500 =	6000
WATER HEATERS (@ 100%):		18000
HVAC (@ 100%):		52544
SUBTOTAL (VA) =		168664
DESIGN LOAD @ 45% (PER NEC TABLE 220.84):		75898.8

PANEL NAME	BREAKER SIZE	CONNECTED LOAD
HP	60/2	2.11KVA
HOUSE PANELS DEMAND LOAD (KVA) =		2.55
TOTAL (KVA) =		78.45
TOTAL AMPS @ 240V 1Ø=		326.86
METERCENTER & FEEDER SIZE:		400 AMPS

FAULT ANALYSIS

POINT A: UTIL. CO. PAD TRANS. T
POINT B: METERCENTER MC
DISTANCE: 25
ISCA: 34792
ISCB=M x ISCA
M=1/(1+f)
1Ø LINE-TO-LINE: f=(2 x 25 x 34792)/(12862 x 2 x 240)=0.282
1Ø LINE-TO-NEUTRAL: f=(2 x 25 x 34792 x 1.5)/(12862 x 2 x 120)=0.845
1Ø LINE-TO-LINE: M=1/(1+0.282)=0.78
1Ø LINE-TO-NEUTRAL: M=1/(1+0.845)=0.54
ISCB = 0.78 x 34792 = 27144

KEY NOTES:

1. CONNECT HOMERUN VIA INTERIOR LIGHTING CONTACTOR. PROVIDE UNSWITCHED HOT CONDUCTOR (BYPASS CONTACTOR) TO EMG/EXIT LIGHT FIXTURES AS SHOWN.
2. TELEPHONE CABINET. (2) 4"PVC WITH PULLSTRING TO PROPERTY LINE. COORDINATE STUB-UP LOCATION WITH TELEPHONE COMPANY PRIOR TO INSTALLATION.
3. CABLE TV CABINET. (2) 4"PVC WITH PULLSTRING TO PROPERTY LINE. COORDINATE STUB-UP LOCATION WITH CABLE COMPANY PRIOR TO INSTALLATION.
4. 120V SMOKE DETECTOR WITH BATTERY BACKUP AND AUDIBLE SIGNAL. PROVIDE AUXILIARY CONTACT TO ACHIEVE SIMULTANEOUS OPERATION OF ALL SMOKE DETECTORS IN THE UNIT.
5. CONNECT ELECTRIC RANGE VIA NEMA 6-50R RECEPTACLE AT 18"AFF.
6. CONNECT RANGE EXHAUST HOOD/MICROWAVE VIA NEMA 5-20R RECEPTACLE AT 60"AFF.
7. CONNECT AIR HANDLER VIA DISCONNECT SWITCH MOUNTED AT UNIT. MAINTAIN WORKING CLEARANCE AS REQUIRED PER NEC.
8. CONNECT WATER HEATER VIA 30A/2P SWITCH AT 48"AFF. MAINTAIN WORKING CLEARANCE AS REQUIRED PER NEC.
9. CONNECT DISPOSAL VIA J-BOX MOUNTED BELOW SINK. STRAP FLEX CONNECTION BETWEEN J-BOX AND DISPOSAL TO CABINET.
10. CONNECT DISHWASHER VIA NEMA 6-20R RECEPTACLE AT 18"AFF.

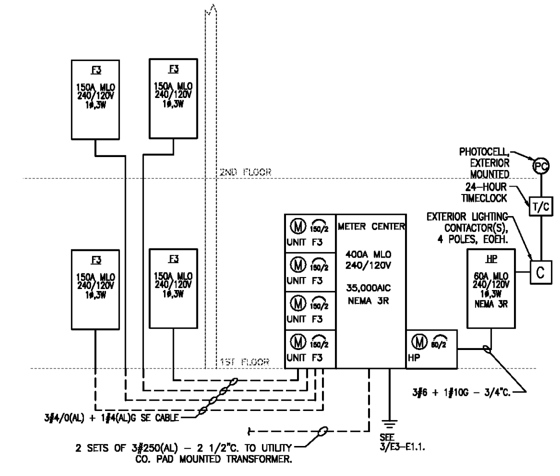
LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	LAMPS	WATTS/VOLTS
UA	CEILING FAN WITH LIGHT KIT	(3) 32W TRT	114W 120V
UB	VANITY-4 LIGHT	(4) 32W TRT	152W 120V
UC	CEILING MOUNT	(1) 32W TRT	38W 120V
UD	SMALL PENDANT FIXTURE	(1) 32W TRT	38W 120V
UE	EXTERIOR UNIT SCONCE	(1) 32W TRT	38W 120V
UG	1'X4' SURFACE MOUNT FLUORESCENT	(2) F32T8	62W 120V
UG2	CEILING-UTILITY	(2) F32T8	62W 120V
UH	DUAL HEAD EXTERIOR WALL PACK	LED	150W 120V
UI	EXTERIOR CEILING MOUNT	(2) F32T8	62W 120V
UJ	EXTERIOR WALL PACK, 9' AFF	LED	50W 120V
UK	CEILING MOUNT DINING TABLE	(1) 32W TRT	38W 120V
UM	EXTERIOR UNIT SCONCE	(1) 32W TRT	38W 120V

NOTES:
1. VERIFY CEILING TYPES AND PROVIDE MOUNTING HARDWARE/ACCESSORIES/FIXTURE OPTIONS NECESSARY FOR INSTALLATION.
2. EXTERIOR FIXTURES SHALL BE DAMP OR WET LOCATION LISTED AS REQUIRED.
3. LAMPS SHALL BE INCLUDED AND INSTALLED IN ALL FIXTURES UNLESS NOTED OTHERWISE.

RISER DIAGRAM NOTES:

1. COORDINATE METERING REQUIREMENTS WITH UTILITY COMPANY PRIOR TO ORDERING METER CENTERS. VERIFY WITH UTILITY THAT METERS ARE COMPATIBLE WITH THE METER CENTERS THAT ARE BEING PROVIDED.
2. SERIES RATE LOAD CENTERS AND PANELS WITH METER CENTERS.
3. METER CENTERS AND PANELS LOCATED OUTDOORS SHALL BE NEMA 3R.
4. WHERE A BUILDING IS SUPPLIED BY MORE THAN ONE SERVICE, PROVIDE PERMANENT PLAQUES AT EACH SERVICE DISCONNECT LOCATION INDICATING THE QUANTITY AND LOCATION OF ALL SERVICE DISCONNECT LOCATIONS PER NEC 230.2(E).
5. WHERE A SINGLE PHASE SERVICE ENTRANCE FEEDER IS PROVIDED AND INSTALLED BY THE UTILITY COMPANY, COORDINATE RACEWAY REQUIREMENTS WITH THE UTILITY COMPANY. PROVIDE CREDIT BACK TO OWNER FOR SERVICE FEEDERS INCLUDED IN BID THAT ARE INSTALLED BY THE UTILITY COMPANY.



4 MC RISER DIAGRAM
F3-E1.1 SCALE: NONE

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Issue & Revisions:

No.	Date	Description
REV 1	040119	CLARIFICATION

ELECTRICAL PLAN

Drawn: TSL
Checked: TSL
Contract No.
Scale: AS SHOWN

GEORGIA REGISTERED No. PE037597 PROFESSIONAL ENGINEER TIMOTHY S. LEE 04-02-19

F3-E1.1

03-05-19 of sheets

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