

ADDENDUM NO. 5  
ITB 12-026 Schooner Wharf Rebuild

To All Bidders:

The following change is hereby made a part of ITB 12-026 – Schooner Wharf Rebuild as fully and as completely as if the same were fully set forth therein:

Attached sheets E2 and E4 will replace previous sheets E2 and E4 and supersedes the electrical diagram revision from Addendum 4 except for the ADD alternate for the 200A ‘Panel B’ which shall remain in the submitted schedule of values.

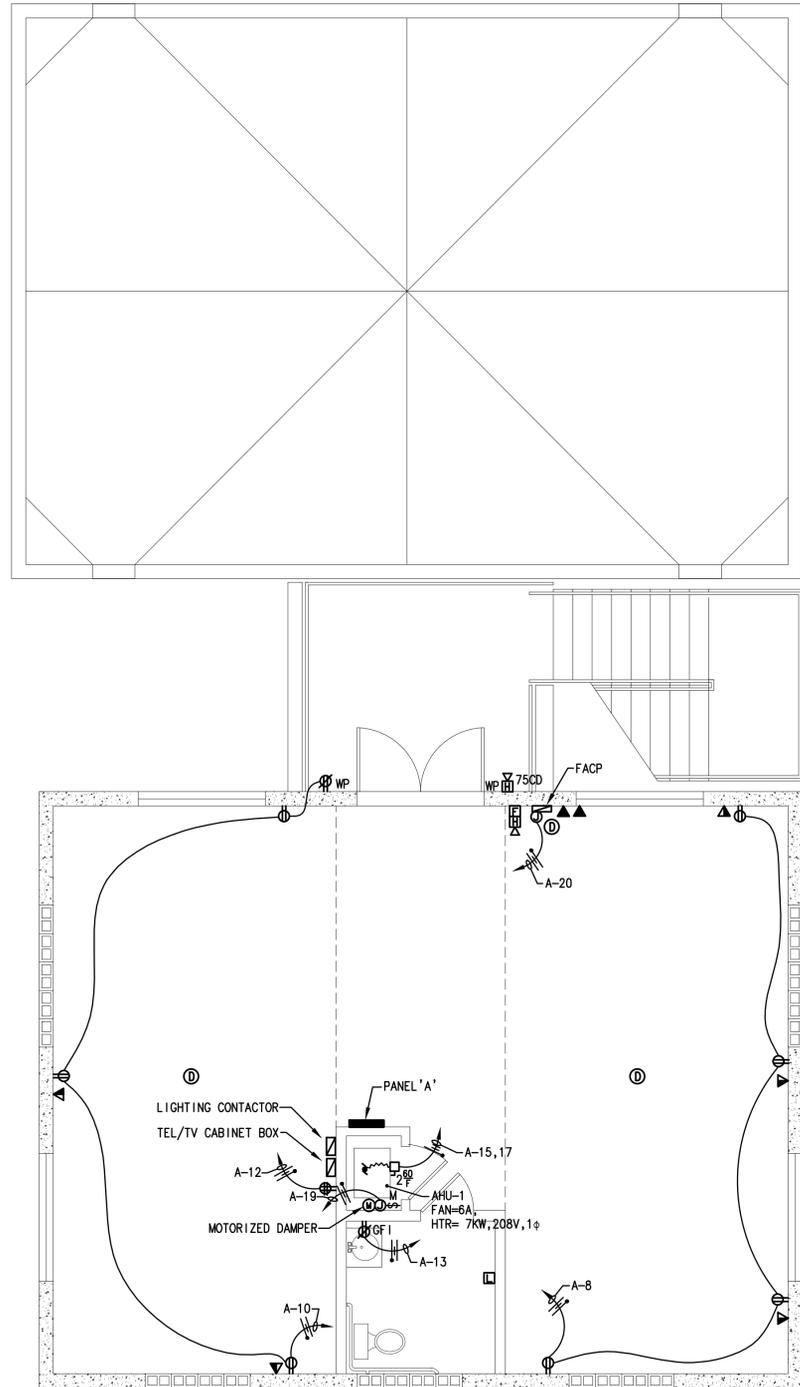
All Bidders shall acknowledge receipt and acceptance of this Addendum No. 5 by acknowledging Addendum in their proposal or by submitting the addendum with the bid package. Bids submitted without acknowledgement or without this Addendum may be considered non-responsive.

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Signature

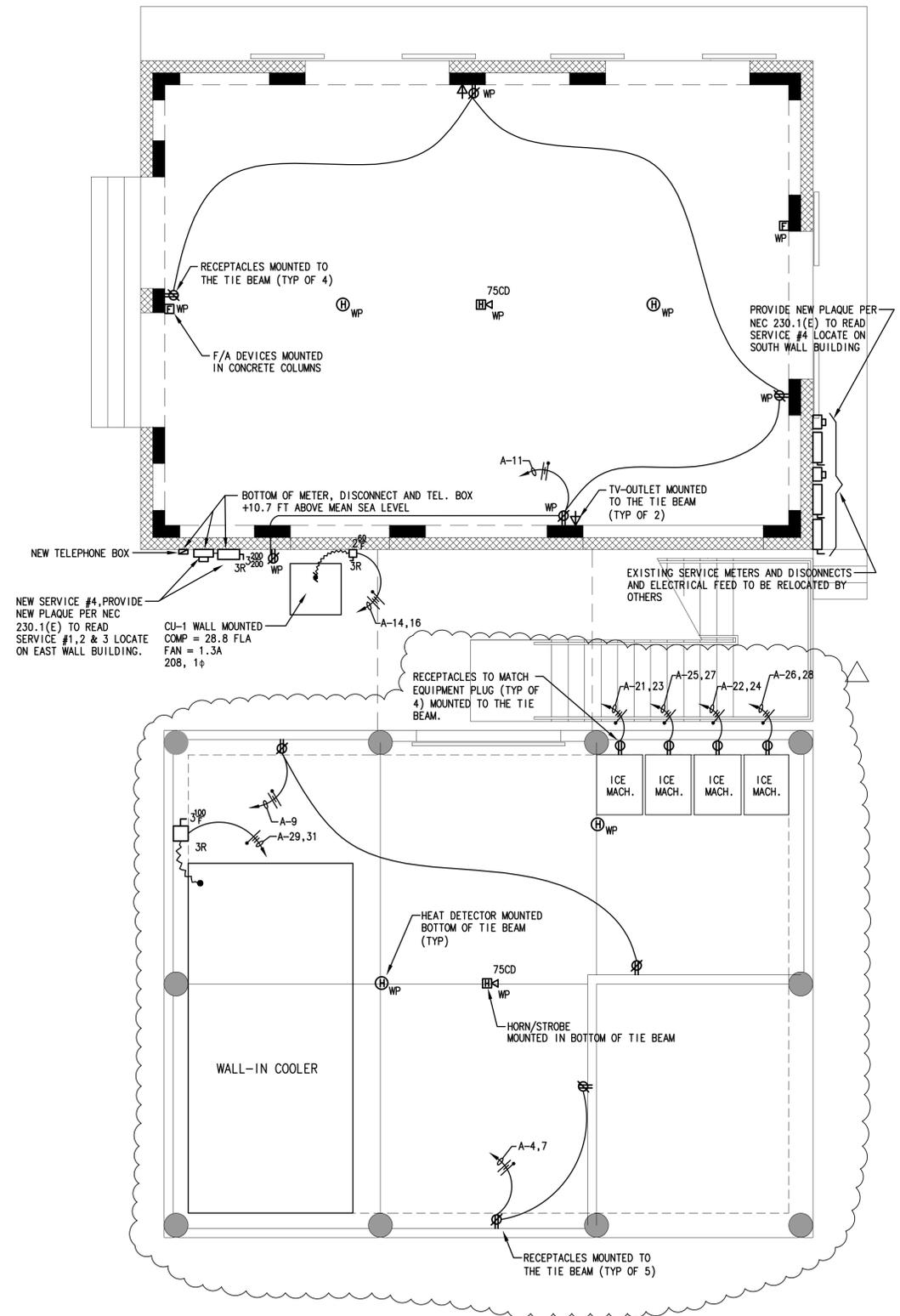
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Name of Business



2 SECOND FLOOR POWER/FIRE ALARM PLAN  
E2

SCALE: 1/4"=1'-0"



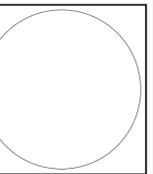
1 FIRST FLOOR POWER/FIRE ALARM PLAN  
E2

SCALE: 1/4"=1'-0"

PERMIT SET

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 Date: 06/08/12

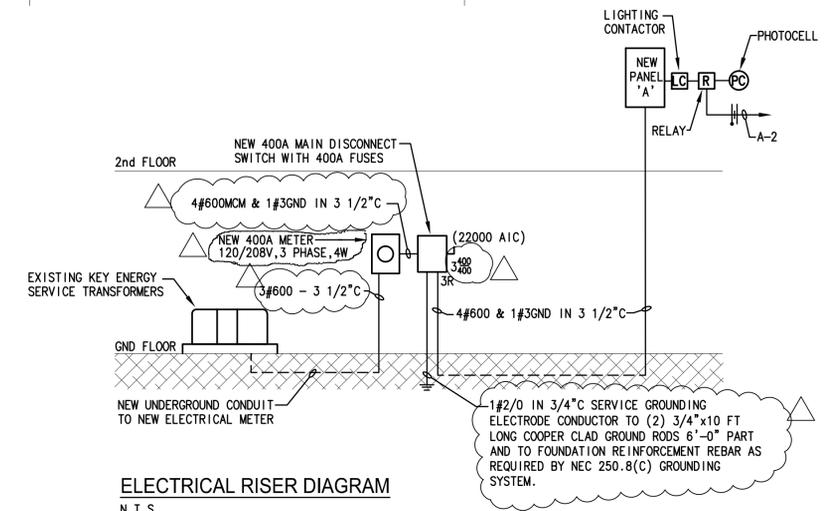
**E2**  
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GENERAL ELECTRICAL NOTES

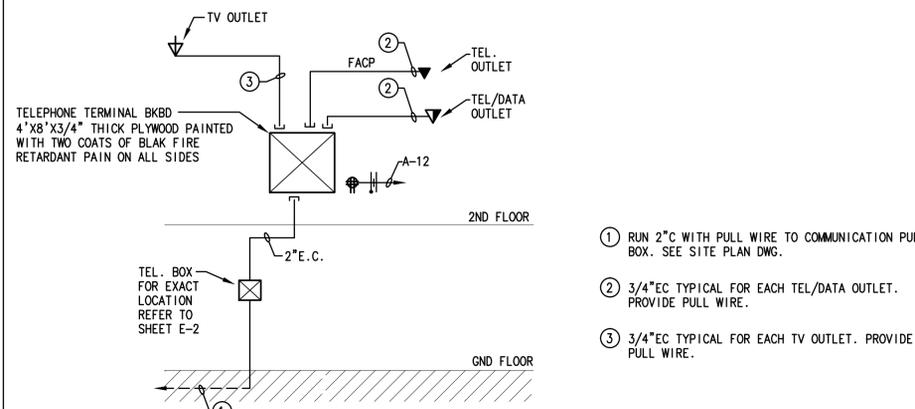
- ALL WORK SHALL BE IN ACCORDANCE WITH THE CURRENT ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE, FLORIDA BUILDING CODE AND OTHER APPLICABLE CODES AND STANDARDS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE FULLY COGNIZANT WITH ALL CODE SECTIONS AS THEY APPLY TO THE WORK/INSTALLATION AT HAND WHETHER OR NOT SHOWN ON THE DRAWINGS BUT REQUIRED BY CODE. IF ANY DISCREPANCY ARISES BETWEEN ANY DESIGN ISSUES AND CODE REQUIREMENTS, CONTRACTOR MUST ADHERE TO THE MOST STRINGENT APPROACH.
- THE DRAWINGS ARE DIAGRAMMATIC AND DO NOT SHOW ALL OFFSETS, BENDS AND BOXES REQUIRED TO MAKE A COMPLETE NEAT INSTALLATION IN ACCORDANCE WITH N.E.C.
- WHEN CONFLICTS ARISE IN LOCATIONS WIRING DEVICES, ELECTRICAL EQUIPMENT, DISCONNECTS, PANELBOARDS ETC. DUE TO FIELD CONDITION OR IMPROPER FIELD COORDINATION CONTRACTOR SHALL BRING IT TO THE A/E'S ATTENTION AND AT NO EXTRA COST RELOCATE, AND OR EXTEND WITHIN A REASONABLE DISTANCE SUCH ITEM WHICH IS IN CONFLICT. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING LOCATION OF ALL COMPONENT PRIOR TO ROUGH-IN WITH ALL TRADES- NO EXTRAS WILL BE ALLOWED FOR FAILURE TO DO SO.
- THE CONTRACTOR IS RESPONSIBLE FOR EVALUATING FIELD CONDITIONS BY VISITING THE SITE PRIOR TO COMMENCING/BIDDING WORK.
- CONTRACTOR IS RESPONSIBLE FOR FURNISHING AND INSTALLING ALL ELECTRICAL SYSTEM COMPONENTS SUCH AS LUMINAIRES, WIRING DEVICES, APPLIANCES, CONTROLS SHOWN ON THE ARCHITECTURAL OR MECHANICAL DRAWINGS.
- THE CONTRACTOR SHALL SATISFACTORILY REPAIR/REPLACE EQUIPMENT OR PART OF STRUCTURE DAMAGED AS A RESULT OF HIS WORK. SURFACES AND FINISHED AREAS SHALL BE RESTORED TO MATCH ADJACENT AREAS.
- APPROVAL SHALL BE OBTAINED FROM THE STRUCTURAL ENGINEER PRIOR TO CUTTING OR DRILLING ANY STRUCTURAL SUPPORT MEMBER.
- ALL DEVICE BOXES SHALL BE INSTALLED FLUSH AND CONDUITS RUN CONCEALED IN FINISHED AREAS EXCEPT AS SPECIFICALLY SHOWN/NOTED OTHERWISE.
- ALL DEVICES INSTALLED OUTDOORS TO HAVE WEATHERPROOF COVERS.
- INSTALL POWER AND CONTROL WIRING (INCLUDING CONDUITS AND BOXES) AND REQUIRED CONTROL COMPONENTS FOR AIR CONDITIONING SYSTEMS AS SHOWN/NOTED ON THESE DRAWINGS AND PER OTHER APPLICABLE DRAWINGS/INSTRUCTIONS. SEE AIR CONDITIONING DRAWINGS.
- WIRE SIZE SHALL BE #12 THIN/THIN UNLESS OTHERWISE NOTED ON PLANS. CONDUCTORS #6 AND LARGER SHALL BE THIN.
- ALL CONDUCTORS SHALL BE COPPER.
- ALL CONDUCTORS SHALL BE RUN IN CONDUIT (METALLIC TYPE). IF PVC SCHEDULE 40 IS USED FOR UNDERGROUND FEEDERS ONLY, AN EQUIPMENT GROUND CONDUCTOR SIZED IN ACCORDANCE WITH N.E.C. 250-122 MUST BE INSTALLED AND CONDUIT SIZE INCREASED AS REQUIRED.
- ALL MATERIALS SHALL BE U. L. APPROVED.
- NEW TYPEWRITTEN PANEL SHALL BE FURNISHED AFTER JOB IS COMPLETED REFLECTING ALL CHANGES AND ADDITIONS.
- ALL BRANCH CIRCUITS SHALL BE PROPERLY PHASE BALANCED.
- CONTRACTOR SHALL SEAL ALL FLOOR OPENINGS WITH A FIRE SEAL SIMILAR TO 'OZ' FLAMESEAL.

- ALL NON-POWER RELATED WIRING IN CEILING AIR CONDITIONING PLENUM RUNNING WITHOUT CONDUIT SHALL BE TEFLON COATED CLASSIFIED FOR USE IN PLENUMS.
- PROVIDE TRAPEZE HANGER ASSEMBLY FOR PLENUM COMMUNICATION CABLES WITH 3/8" DIAMETER. THREADED ROD AND CHANNEL ASSEMBLY TO SUPPORT CABLE BUNDLES EVERY 4 FT. O.C. (MAXIMUM CABLES TO BE PROPERLY STRAPPED WITH SELF-LOCKING CABLE TIES. EXPOSED CABLES SHALL NOT LIE ON TOP OF CEILING TILE OR LUMINAIRES.
- ALL DATA EQUIPMENT TO BE FED BY A DEDICATED CIRCUIT WHICH CONSISTS OF A POWER CIRCUIT THAT FEEDS THIS TYPE OF EQUIPMENT ONLY WITH A SEPARATE GREEN GROUNDING CONDUCTOR CARRIED ALL THE WAY BACK TO THE PANEL TO BE CONNECTED TO THE GROUNDING SYSTEM.
- ALL WIRING DEVICES TO BE SPECIFICATION GRADE WITH HEAVY DUTY NYLON COVERS (COLOR AS DIRECTED BY ARCHITECT/ID). PROVIDE MANUFACTURERS LEVITON, HUBBELL & BRYANT.
- ALL WIRING DEVICES INSTALLED IN KITCHEN COUNTERS, LAVATORIES AND EXTERIOR TO BE GF.I.
- LIGHT SWITCHES OPERATING CIRCUITS OTHER THAN 120V SHALL NOT BE GANGED IN SAME BOX UNLESS SWITCHES ARE CONNECTED TO SAME CIRCUIT.
- ALL BRANCH CIRCUITS TO HAVE A GREEN EQUIPMENT GROUNDING CONDUCTOR SIZED AS PER N.E.C. 250.122.
- ALL EMPTY CONDUITS TO BE PROVIDED WITH NYLON PULL STRINGS.
- FUSES SHALL BE DUAL ELEMENT, TIME DELAY TYPE UNLESS OTHERWISE NOTED.
- A/C EQUIPMENT WIRING, BREAKER AND FUSE SIZES ARE BASED ON A/C EQUIPMENT SPECIFIED ON CONTRACT DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL WIRING, BREAKER AND FUSES SIZES IN ACCORDANCE WITH A/C EQUIPMENT NAMEPLATE REQUIREMENTS IF DIFFERENT FROM THAT SPECIFIED ON DRAWINGS, AS WELL AS ANY FEEDER CHANGES BEING AFFECTED BY THIS CHANGE. CONTRACTOR SHALL MAKE ABOVE MENTIONED CHANGES AT NO EXTRA COST.
- CONTRACTOR SHALL COORDINATE ALL HIS WORK WITH OTHER TRADES IN ORDER TO FURNISH AND INSTALL ALL CONTROL WIRING AND RACEWAYS. ALL POWER CONTROL CIRCUITS WIRING AND RACEWAYS AS SHOWN ON THE AIR CONDITIONING DRAWINGS OR SPECIFICATIONS. IF AIR CONDITIONING DRAWINGS REFER TO MANUFACTURER'S WIRING DIAGRAMS, THE CONTRACTOR SHALL VERIFY WITH SAID MANUFACTURER ALL REQUIREMENTS AND INCLUDE ALL RELATED WORK IN HIS CONTRACT.
- ALL LUMINAIRES SHALL BE PROPERLY SUPPORTED IN ACCORDANCE WITH THE CEILING SYSTEM MANUFACTURER RECOMMENDATIONS AND LOCAL CODE REQUIREMENTS.
- RISERS ARE DIAGRAMMATIC ONLY. THEY DO NOT SHOW EVERY BEND REQUIRED FOR THE INSTALLATION.
- THIS DRAWING IS A GUIDE FOR THE INSTALLATION OF ELECTRICAL SERVICE. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE A FUNCTIONING SYSTEM.
- ALL CABLES SHALL BE RUN WITHOUT SPLICES EXCEPT OTHERWISE INDICATED.
- EXACT POINT AND METHODS OF CONNECTION SHALL BE DETERMINED IN FIELD.
- ALL WORK SHALL BE DONE IN A NEAT AND WORKMANLIKE MANNER.
- BRANCH CIRCUIT BREAKERS SHALL BE OF THE BOLT-ON TYPE. PLUG-IN CIRCUIT BREAKERS WILL NOT BE ACCEPTED.

- ALL RACEWAY ROUTED, INSULATED CONDUCTORS SYSTEM SHALL BE COLOR CODED AS FOLLOWS:  
120/208V SYSTEM  
PHASE 'A' BLACK  
PHASE 'B' RED  
PHASE 'C' BLUE  
NEUTRAL WHITE  
GROUND GREEN
- SUBMIT DETAILED LAYOUT OF ALL MECHANICAL ROOMS WITH EQUIPMENT REQUIRING ELECTRICAL SERVICE. LAYOUT SHALL SHOW PROPOSED LOCATION OF ELECTRICAL SERVICE ITEMS SUCH AS DISCONNECTS, RELAYS, PANELBOARDS, ETC. AND DIMENSIONS SHOWING CODE CLEARANCES TO ADJACENT SURFACES.
- ALL ROUGH-IN DIMENSIONS ARE TO CENTER LINE OF DEVICE UNLESS OTHERWISE NOTED.
- ALL EXTERIOR SURFACE MOUNTED LUMINAIRES, POSTS, POST TOPS, POLES AND AREA LIGHTING LUMINAIRES TO HAVE FINISH COLOR TO MATCH ARCHITECTURAL WINDOW FRAME COLOR UNLESS OTHERWISE SPECIFICALLY NOTED.
- ALL PULL BOXES, HAND HOLES AND MAN HOLES TO HAVE COVER PLATE BOLTED TO FRAME AND BONDED TO THE EQUIPMENT GROUND SYSTEM.
- CONTRACTOR SHALL INCLUDE IN HIS BID ALL COSTS RELATED TO THE FBC WIND LOAD COMPLIANCE, THE CERTIFICATION OF THE EXTERIOR POLE/LUMINAIRE ASSEMBLIES BY A STRUCTURAL ENGINEER.
- ALL CONDUCTOR SPLICES IN EXTERIOR LOCATED JUNCTION/PULL BOXES EXPOSED TO THE WEATHER TO BE WEATHER SEALED BY USING AN APPROVED METHOD SUCH AS 3M SCOTCHLOCK CONNECTOR EPOXY SEALING PACKS OR SIMILAR.
- WHEN THERE IS CONFLICT AS TO OPTIONS TO PERFORM A GIVEN TASK CONTRACTOR SHALL CHOOSE THE MOST COSTLY IN NATURE IN ORIGINAL BID.
- WHEN ITEMS ARE REQUIRED BY LOCAL OR NATIONAL CODES CONTRACTOR SHALL INCLUDE THEM WHETHER SHOWN ON THE DRAWINGS OR NOT.
- CONTRACTOR TO PROVIDE 1/2" CONDUIT AND OUTLET BOX FOR ALL THERMOSTATS LOCATED IN THE A/C DRAWINGS. CONDUIT TO RUN FROM THERMOSTAT LOCATED TO RESPECTIVE A/C UNIT.
- LUMINAIRES CONSISTING OF CONTINUOUS SECTIONS EITHER MECHANICALLY/ELECTRICALLY ATTACHED FROM FACTORY OR A ONE SOLID PIECE SHALL BE "LENGTH AS SCALED". ANY DISCREPANCY BETWEEN THE LIGHTING FIXTURE SCHEDULE AND THE DRAWINGS MUST BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO ORDERING.
- ANY DISCREPANCY BETWEEN ANY OF THE LUMINAIRES CHARACTERISTICS, SUCH AS VOLTAGE, MOUNTING, NUMBER OF LAMPS, LOCATION RATING, ETC., AS INDICATED IN THE LIGHTING FIXTURE SCHEDULE AND AVAILABILITY MUST BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO ORDERING.



ELECTRICAL RISER DIAGRAM  
N.T.S.



TELEPHONE RISER DIAGRAM  
N.T.S.

SYMBOL	DESCRIPTION
	SELF CONTAINED BATTERY OPERATED EMG. LIGHT CONNECTED AHEAD OF SWITCH. SEE LIGHT FIXTURE SCHEDULE FOR VOLTAGE
	FLUORESCENT FIXTURE
	EXIT LIGHT FIXTURE, ARROW AS INDICATED WITH EMG. BATTERY PACK UNIVERSAL MOUNT. CONNECTED AHEAD OF SWITCH.
	LIGHT FIXTURE TYPE "A". SEE LIGHTING FIXTURE SCHEDULE
	MANUAL STARTING SWITCH
	SINGLE-POLE TOGGLE SWITCH, 20A-125/277V, +48", SWITCH "o"
	THREE-WAY TOGGLE SWITCH, 20A-125/277V, +48"
	DUPLEX RECEPTACLE OUTLET, 20A-125V, 3 WIRE GROUNDING & TAMPER RESISTANT TYPE
	GROUND FAULT INTERRUPTER REC. OUTLET, 20A, 125V, 3W, GROUNDING & TAMPER RESISTANT TYPE.
	QUADRUPLET RECEPTACLE OUTLET, 20A, 125V, 3W, GROUNDING TYPE TAMPER RESISTANT TYPE
	COMBINATION TELEPHONE/DATA OUTLET +18" U.O.N.
	TELEPHONE OUTLET, +18" U.O.N.
	JUNCTION BOX
	TELEVISION ANTENNA OUTLET +18" UNLESS OTHERWISE INDICATED ON PLAN.
	DISCONNECT SWITCH; 3-NUMBER OF POLES; 30-RATING; 20-FUSE SIZE; F-FUSE SIZE AS PER EQUIPMENT MANUFACTURER; NF-NON FUSE
	LIGHTING OR GENERAL PANELBOARD
	TELEPHONE TERMINAL BOARD OR CABINET
	CONDUIT RUN CONCEALED IN WALL OR CEILING
	CONDUIT RUN UNDERGROUND, IN OR BELOW FLOOR SLAB
	DENOTES BRANCH CKT. HOME RUN. TICKS DENOTES NO. OF CIRCUITS. LARGE TICK - NEUTRAL, SHORT TICK - HOT, IG - ISOLATED GROUND CONDUCTOR WITH DEDICATED CIRCUIT FOR COMPUTER, -GROUND CONDUCTOR.
	DENOTES CODED NOTE
	SMOKE DETECTOR SIMPLEX 4098-9714 WITH 4098-9792 BASE
	FIRE ALARM HORN/STROBE LIGHT SIMPLEX 4906-9127
	FIRE ALARM PULL STATION SIMPLEX 4099-9001
	FIRE ALARM CONTROL PANEL SIMPLEX 4008-9102
	FIRE ALARM HORN/STROBE LIGHT SIMPLEX 4906-9131 WITH 4905-9828 (BASE)
	FIRE ALARM HEAT DETECTOR SIMPLEX 2098-9490 WITH 4091-9051 (MONITOR MODULE)
	FIRE ALARM HORN/STROBE WHELOCK A5MP-24MCH-FR
	FIRE ALARM PULL STATION SIMPLEX 2099-9133 W/ 2975-9211 BASE W/4090-9051 (MONITOR MODULE)

CIRCUIT DESIGNATION		WIRE / COND. SIZE	VOLT. AMP.	WIRE / COND. SIZE	WIRE / COND. SIZE	CIRCUIT DESIGNATION
1ST FLOOR LTG	1/20	270	2#12#12G-3/4"	1	2	LIGHTING CONTACTOR COOL
1ST FLOOR LTG		270		3	4	2ND FL LGT & STEP LGHT
1ST FL OUTSIDE LTG		189		5	6	2ND FL LGT
1ST FL REC	540			7	8	2ND FL REC
1ST FL REC	360			9	10	2ND FL REC
1ST FL REC	720			11	12	TEL/TV TERM BOX
BATH REC	720			13	14	CLJ
AHJ	4223	2#6#10G-3/4"		15	16	50
	60	4223		17	18	OUTSIDE REC
MOTORIZED DAMPER	1/20	500	2#12#12G-1/2"	19	20	FACE
ICE MACHINE	2	1320	2#10#10G-3/4"	21	22	ICE MACHINE
ICE MACHINE	2	1320	2#10#10G-3/4"	23	24	ICE MACHINE
ICE MACHINE	2	1320	2#10#10G-3/4"	25	26	ICE MACHINE
WALK IN	2	3916	3#3#8G-1"	27	28	SPARE
COOLER	80	3916		29	30	
SPARE	1/20	720		31	32	
SPACE	1/-	720		33	34	
				35	36	
				37	38	
				39	40	
				41	42	

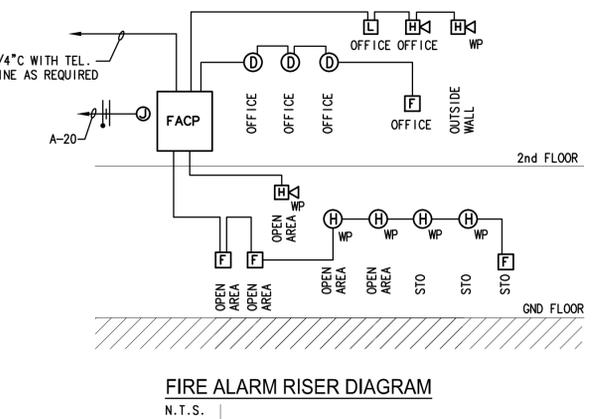
PHASE A VA 13893  
PHASE B VA 15927  
PHASE C VA 14336

1 THRU MULTIPLE LIGHTING CONTACTOR 30 AMP ELECTRICAL HELD 4 CONTACTORS VIA PHOTOCELL INITIATED LOAD CONNECTED 4415 DEMAND LOAD 12263

2 PROVIDE HACR CIRCUIT BREAKER

TYPE	MANUFACTURER	CATALOG NUMBER	Qty	LAMPS	VOLTS	MOUNTING	REMARKS
A	DAYBRITE	VFN-26-C-U-W-LP	1	PL26DTT-30K	120	WALL	EXTERIOR VAPORTIGHT WALL LUMINAIRE
B	DAYBRITE	VFN-26-C-U-C-LP	1	PL26DTT-30K	120	SURFACE	EXTERIOR VAPORTIGHT CEILING LUMINAIRE
C	NUTONE	QTN110LE	1	INCL	120	RECESSED	COMBINATION FAN/LIGHT
D	SISTEMALUX	S.4523-FINISH	1	PL26DTT-30K	120	RECESSED	EXTERIOR STEP LIGHT
F	FINELITE	S10-WCB-2-T5HO-SC-91W-OPEN-UNV-F A-FE	2	F54T5HO-30K	120	PENDANT	LINEAR FLUORESCENT DIRECT/INDIRECT
G	CAPRI	CFRIC4V13-NEI-NB-P4B	1	PL13DTT-30K	120	RECESSED	COMPACT FLUORESCENT DOWNLIGHT
H	BEGHELLI	BBY	2	INCL	120	WALL	2 HEAD EMERGENCY LIGHT CONNECTED AHEAD OF SWITCH
X1	BEGHELLI	VA4-R-SA	1	LED	120	UNIVERSAL	EXIT SIGN CONNECTED AHEAD OF SWITCH
X2	BEGHELLI	FORTENZA SA SERIES	1	LED	120	UNIVERSAL	EXIT SIGN-WET LOCATION CONNECTED AHEAD OF SWITCH

- FIRE ALARM GENERAL NOTES
- CONNECTION TO THE MONITOR SERVICE CONTROL CENTER 24 HOUR CENTRAL STATION.
  - MINIMUM RACEWAY SIZE SHALL BE 3/4" WIRING TO COMPLY WITH NEC ARTICLE 760-16.
  - ACTUAL FIELD WIRING REQUIREMENTS SHALL BE AS INDICATED BY EQUIPMENT SUPPLIER ON APPROVED SHOP DRAWINGS.
  - FIRE ALARM SYSTEM SHALL BE OF THE "POWER LIMITED" TYPE.
  - MAXIMUM CONDUIT FILL - 40% OF CONDUIT AREA.
  - ALL EQUIPMENT SHALL BE U.L. LISTED BY UNDERWRITER'S LABORATORIES FOR THE INTENDED USE AND SHALL MEET WITH THE APPROVAL OF THE LOCAL FIRE AUTHORITIES. THE COMPLETE INSTALLATION SHALL BE MADE IN ACCORDANCE WITH N.F.P.A. #72. ALL LOCAL CODES AND REQUIREMENTS, N.F.P.A. #101 AND N.E.C. ARTICLE 760.
  - MANUFACTURER SHALL PROVIDE POINT TO POINT WIRING DRAWING. BATTERY AND LOAD CALCULATIONS AND SHOW ADDRESSES FOR ALL INITIATING DEVICES WITH DESCRIPTION LOCATION. A GRAPHIC MAP SHALL BE MOUNTED NEXT TO THE FACP.
  - FIRE ALARM CONTRACTOR TO PROVIDE ALL PROGRAMMING, ALL FINAL CONNECTIONS, ALL TESTING AND CERTIFICATION.
  - CONTRACTOR SHALL VERIFY WITH MANUFACTURER FOR ACTUAL MANUFACTURER WIRING DIAGRAM.
  - CONTRACTOR SHALL VERIFY EXACT COUNTS OF DEVICES PER FLOOR PLAN.
  - THE DEVICE DESIGNATION INDICATED IS FOR INFORMATION ONLY. THE CONTRACTOR SHALL PROVIDE HIS OWN DEVICE DESIGNATION FOR APPROVAL.
  - CONTRACTOR IS RESPONSIBLE FOR PROVIDING COMPLETE FIRE ALARM SYSTEM SHOP DRAWINGS COMPLYING WITH PERMITTED DWGS AS REQUIRED.
  - STROBE/LIGHT CIRCUIT SHALL HAVE 20% SPARE POWER FOR FUTURE EXPANSION.
  - SYSTEM TO BE 24C DC COMPLETE WITH BATTERIES AND ALL SYSTEM COMPONENTS FOR COMPLETE OPERATION. PROVIDE E.O.L. RESISTORS AS REQUIRED.
  - ALL INITIATING AND INDICATING CIRCUITS MUST BE SUPERVISED.
  - EACH INITIATING DEVICE SHALL BE POINT ADDRESSABLE FOR ALARM TROUBLE AND SUPERVISION.
  - ALL DEVICES SHOWN ON THE PLANS WITH "WP" SHALL BE WEATHERPROOF. PROVIDE APPROPRIATE ENCLOSURE.
  - SMOKE DETECTORS SHALL NOT BE MOUNTED IN THE DIRECT AIR STREAM OF A SUPPLY AIR DIFFUSER AND A MINIMUM OF THREE FEET FROM SUPPLY AIR DIFFUSER.
  - THE FIRE ALARM SYSTEM CONTRACTOR MUST TEST AND SET ADDRESSES FOR ADDRESSABLE DEVICES PRIOR TO INSTALLING DEVICES.
  - COORDINATE ALL REQS. WITH EQUIP. MFR. PRIOR TO INSTALLATION. BATTERY BACK UP FOR FIRE ALARM PANEL TO BE 24 HOURS PLUS 15 MINS. STROBE LIGHTS BATTERY CALCULATIONS TO BE BASED ON SYNCRONIZED DEVICES.

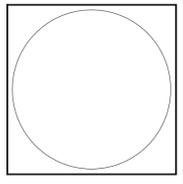


FIRE ALARM RISER DIAGRAM  
N.T.S.

PERMIT SET

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