M1	PROVIDE FULLY OPERABLE MECHANICAL AND PLUMBING SYSTEMS. ADD MECHANICAL EQUIPMENT, DUCTS, DIFFUSERS AND THERMOSTATS AS INDICATED IN PROJECT DOCUMENTS. LACKING SPECIFIC ENGINEERING DOCUMENTS, PROVIDE MECHANICAL RENOVATIONS/ADDITIONS IN ACCORDANCE WITH IMC 2006. NEW MECHANICAL WORK SHALL CONFORM WITH INTERNATIONAL ENERGY		
	CONSERVATION CODE 2009. WATER HEATERS SHALL BE PROVIDED WITH "HEAT TRAPS" AT TANK CONNECTIONS OF INLET AND OUTLET PIPING, AND PRESSURE EQUALIZATION TANKS PER IECC 2009		
M2 M3	CORRIDOR WALLS THAT EXTEND TO DECK SHALL HAVE RETURN AIR FIRE DAMPERS. THE CONTRACTOR SHALL PROVIDE HVAC ENGINEERING AND WORK FOR FINISH-OUT DRAWINGS		
[M4]	WHICH LACK ENGINEERING PLANS OR SPECIFICATIONS. THE HVAC CONTRACTOR SHALL INSPECT SYSTEMS FOR PROPER OPERATIONS AT COMPLETION OF		
M5	THE JOB. INSTALLATION SHALL BE COORDINATED WITH TRADES TO MINIMIZE CONFLICTS. CEILING DIFFUSER TO BE RELOCATED TO MAINTAIN NEW FIXTURE PATTERNS. REQUIRED FIXTURES MAY BE RELOCATE ON A MAXIMUM OF 6'-0" OF MYLAR COATED FLEX RUNOUT DUCT.		
M6]	THE HVAC ENGINEER WILL PROVIDE NECESSARY ENGINEERING DRAWINGS TO REWORK EXISTING EQUIPMENT AND DETERMINE NEW EQUIPMENT TO MEET THE ABOVE REQUIREMENTS.		
M7	BUILDING MECHANICAL SERVICE SHUT DOWNS REQUIRED FOR THIS WORK SHALL BE SUBMITTED IN WRITING BY THE HVAC CONTRACTOR A MINIMUM OF 72 YOURS IN ADVANCE OF THE SHUT DOWN THE HVAC CONTRACTOR SHALL OBTAIN APPROVAL FROM AUTHORITIES HAVING JURISDICTION PRIOR TO SHUT DOWN. SHUT DOWN AFFECTING THE NORMAL HVAC SERVICE OF OTHER BUILDING OCCUPANTS SHALL BE DONE AFTER HOURS.		
M8]	BALANCING OF HVAC SYSTEM SHALL BE DONE BY A QUALIFIED TEST AND BALANCE FIRM. SUBMIT WRITTEN REPORT TO BUILDING MANAGEMENT UPON COMPLETION.		
M9	DUCT WORK SHALL BE INSULATED FOR THERMAL AND ACOUSTIC CONSIDERATIONS.		
M10	IF EXISTING, MODIFY ALL SYSTEMS, SUCH AS FIRE ALARM, PUBLIC ADDRESS, AND SMOKE DETECTORS PER APPLICABLE AND PREVAILING CODE.		
MII	RELOCATE THERMOSTATS, DIFFUSERS AND RETURNS PER PROJECT DOCUMENTS. PROVIDE NEW SUPPLY DUCT, DIFFUSERS AND RETURNS AS NEEDED PER PROJECT DOUCMENTS.		
PATCH ALL ABANDONED TAPS, HOLES OR LEAKING JOINTS WITHIN THE DISTRIBUTION SYSTEM. TAPE OR SEAL ALL JOINTS AND CONNECTIONS.			
REMOVE ALL THERMOSTATS AFFECTED BY DEMOLITION. COIL UP AND SECURE AT EQUIPMENT WHICH SERVES THERMOSTAT UNTIL HVAC WORK FOR NEW CONSTRUCTION TAKES PLACE.			
M14]	ANY FIRE PROTECTION DEVICES TO BE RELOCATED SHALL BE COILED ABOVE CEILING AS TO PREVEN ANY PULLED OR BROKEN LINES.		
M15	CONTRACTOR SHALL COORDINATE LOCATIONS OF ALL HVAC BOXES AND FAN UNITS TO INSURE SERVICE CLEARANCES AND ALL ACCESS PANELS VISUALLY ALIGN IN THE FINISHED SURFACES. NOTI ARCHITECT OF ANY ITEMS THAT WILL NOT ALIGN PRIOR TO INSTALLATION.		
0	7 GENERAL MECHANICAL NOTES		
FP4	WHEN BUILDING IS EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM, THE CONTRACTOR SHALL UTILIZE THE EXISTING PIPING SYSTEM AND SPRINKLER HEADS WHERE POSSIBLE. MODIFY THE EXISTING PIPING AND HEADS AS REQUIRED TO PROVIDE THE APPROVED COVERAGE UNDER THE DIRECTION OF A FIRE SUPPRESSION ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS BEING CONSTRUCTED.		
FP2	ALL SPRINKLER HEADS SHALL RECEIVE ESCUTCHEONS. NEW HEADS AND ESCUTCHEONS SHALL MATCH THE EXISTING, U.N.O.		

THE CONTRACTOR SHALL SUPPLY PLUMBING ROUGH-INS, FIXTURES AND ACCESSORIES INDICATED IN

THE CONTRACTOR SHALL SUBMIT CUT SHEETS OF NEW FIXTURES, FITTINGS, AND ACCESSORIES TO

THE PLUMBING CONTRACTOR SHALL COORDINATE HIS WORK WITH MANUFACTURERS

RECOMMENDATIONS FOR INSTALLATION AND WITH OTHER TRADES. WHERE INDICATED, ALL

MOUNTING HEIGHTS, CLEARANCES AND FIXTURE HARDWARE SHALL COMPLY WITH TAS AND

EXISTING PLUMBING BEING ABANDONED SHALL BE CAPPED AT ITS SOURCE. EXISTING SURFACES

CONTRACTOR SHALL ALSO INCLUDE. IN THE ESTIMATE A PRICE FOR CEILING REMOVAL AND

PLS FURNISH VALVES FOR THE PROPER CONTROL OF FIXTURES, LINE OR PIECE OF APPARATUS SO THAT IT

SHALL BE PATCHED TO MATCH EXISTING SURROUNDING SURFACES IN MATERIAL AND FINISH. THE

REINSTALLATION FOR PLUMBING WORK IN CEILING PLENUM OF FLOOR BELOW TO COMPLETE WORK

MAY BE SHUT OFF FOR REPAIR WITH OUT INTERFERENCE OR INTERRUPTION OF THE SERVICE TO THE

INSULATE EXPOSED HOT WATER LINES AND DRAIN PIPES WHERE ACCESSIBLE PROVISIONS HAVE BEEN

BEFORE BEING COVERED UP OR BUILT-IN, PIPING SHALL BE TESTED PER THE AUTHORITIES HAVING

PROVIDE ALL CODE REQUIRED LIFE SAFETY DEVICES AS DETAILED IN PROJECT DOCUMENTS AND ANY

SIGNS, IF ANY, THAT ARE REQUIRED AS A RESULT OF MUNICIPAL PLAN REVIEW OR INSPECTION.

PROVIDE EXIT SIGNS AS SPECIFIED HEREIN. IF EXISTING EXIT SIGNS ARE TO REMAIN, MATCH EXISTING

LIFE SAFETY REQUIREMENTS

ADDITIONAL DEVICES REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION.

LS2 PROVIDE AND LOCATE EXIT SIGNS PER THE REFLECTED CEILING PLAN AND THOSE ADDITIONAL

INSULATE ALL CONCEALED COLD WATER LINES TO ELIMINATE CONDENSATION.

08 GENERAL PLUMBING NOTES

CONSTRUCTION PLANS, SPECIFICATIONS AND DETAIL DRAWINGS.

THE ARCHITECT FOR REVIEW.

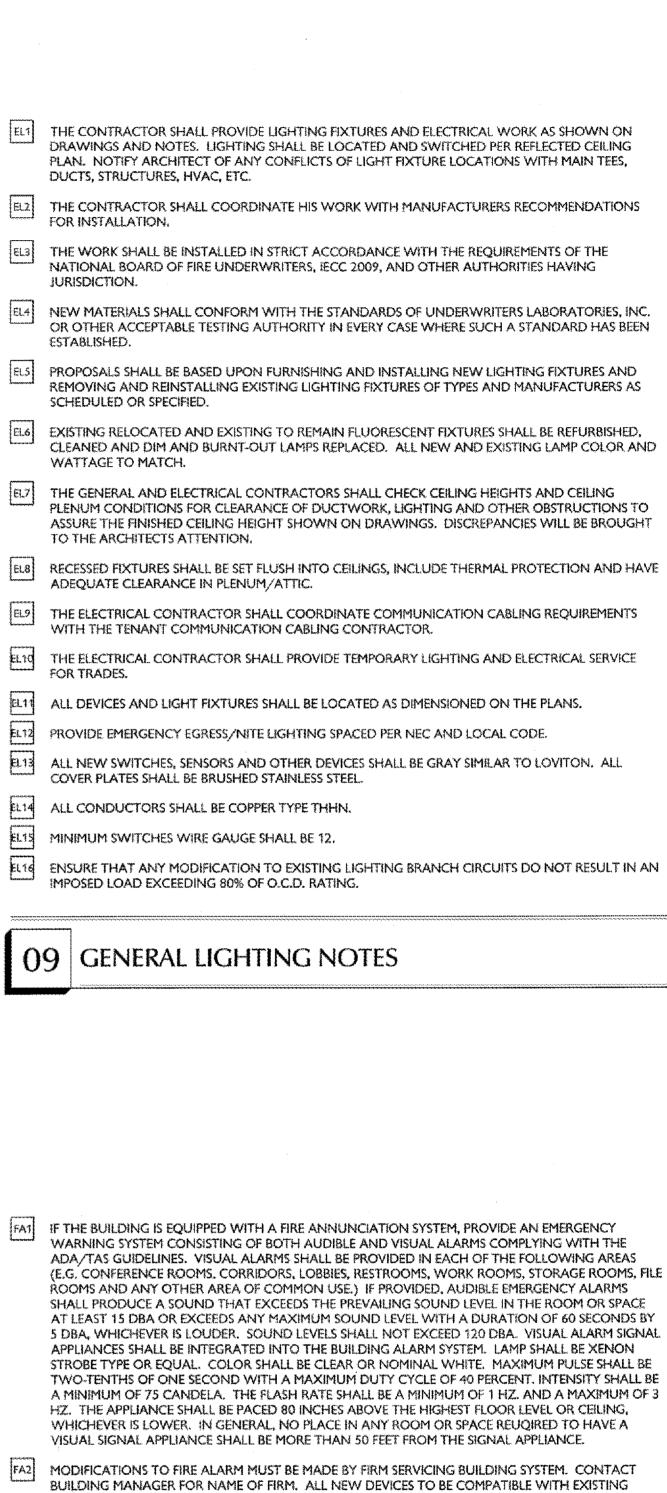
ON FLOOR BEING RENOVATED.

REST OF THE BUILDING.

JURISDICTION.

		[E2]	THE CONTRACTOR SHALL COORDINATE HIS WORK WITH MANUFACTURERS RECOMMENDATIONS FOR INSTALLATION.
		EL3	THE WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL BOARD OF FIRE UNDERWRITERS, IECC 2009, AND OTHER AUTHORITIES HAVING JURISDICTION.
		ELA	NEW MATERIALS SHALL CONFORM WITH THE STANDARDS OF UNDERWRITERS LABORATORIES, INC. OR OTHER ACCEPTABLE TESTING AUTHORITY IN EVERY CASE WHERE SUCH A STANDARD HAS BEEN ESTABLISHED.
E1 E2	REFER TO SHEET 002 FOR TYPICAL MOUNTING HEIGHTS. DIMENSIONS ARE TO THE CENTER OF A DEVICE OR GROUP OF DEVICES, U.N.O.	ELS	PROPOSALS SHALL BE BASED UPON FURNISHING AND INSTALLING NEW LIGHTING FIXTURES AND REMOVING AND REINSTALLING EXISTING LIGHTING FIXTURES OF TYPES AND MANUFACTURERS AS SCHEDULED OR SPECIFIED.
£3	WHERE ELECTRICAL OR TELEPHONE OUTLETS APPEAR BACK TO BACK THEY MAY BE OFFSET TO ALLOW A SECURE CONNECTION TO THE NEAREST METAL STUD IN COMPLIANCE WITH LOCAL GOVERNING CODES OR LATEST NEC ADOPTED BY LOCAL JURISDICTION.	EL6	EXISTING RELOCATED AND EXISTING TO REMAIN FLUORESCENT FIXTURES SHALL BE REFURBISHED, CLEANED AND DIM AND BURNT-OUT LAMPS REPLACED. ALL NEW AND EXISTING LAMP COLOR AND WATTAGE TO MATCH.
E4	WHERE ELECTRICAL AND VOICE/DATA OUTLETS ARE SHOWN SIDE BY SIDE, THEIR CENTERLINES SHALL ALIGN VERTICALLY AND THEY SHALL BE INSTALLED 8" CENTER TO CENTER, IF THESE CONDITIONS CAN NOT BE MET THE CONTRACTOR SHALL REQUEST A NEW LOCATION BY THE ARCHITECT.	[EL7]	THE GENERAL AND ELECTRICAL CONTRACTORS SHALL CHECK CEILING HEIGHTS AND CEILING PLENUM CONDITIONS FOR CLEARANCE OF DUCTWORK, LIGHTING AND OTHER OBSTRUCTIONS TO ASSURE THE FINISHED CEILING HEIGHT SHOWN ON DRAWINGS. DISCREPANCIES WILL BE BROUGHT TO THE ARCHITECTS ATTENTION.
E5]	WHERE MULTIPLE DEVICES ARE LOCATED WITHIN 60" OF EACH OTHER, THEY SHALL BE ALIGNED VERTICALLY AS INDICATED ON SHEET 100. AT NO TIME SHALL DEVICES (SWITCH LEGS, THERMOSTATS, FIRE ALARM STROBES, AND SECURITY DEVICES) EXCEPT VOICE/DATA AND POWER OUTLETS, BE LOCATED IN OR NEAR THE CENTER OF A WALL, UNLESS SPECIFICALLY APPROVED BY THE ARCHITECT.	E.8	RECESSED FIXTURES SHALL BE SET FLUSH INTO CEILINGS, INCLUDE THERMAL PROTECTION AND HAV ADEQUATE CLEARANCE IN PLENUM/ATTIC.
[86]	ADDITIONAL FIRE ALARM DEVICES RECOMMENDED BY THE LOCAL FIRE MARSHAL SHALL BE REVIEWED AND LOCATED ONLY AFTER APPROVED BY THE ARCHITECT. THE CONTRACTOR SHALL REVIEW THE LOCATIONS OUTLINED ABOVE WITH THE FIRE MARSHAL AND ADD ADDITIONAL DEVICES TO ACHIEVE THE COVERAGE REQUIRED BY THE LOCAL JURISDICTION.	EL 9	THE ELECTRICAL CONTRACTOR SHALL COORDINATE COMMUNICATION CABLING REQUIREMENTS WITH THE TENANT COMMUNICATION CABLING CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL PROVIDE TEMPORARY LIGHTING AND ELECTRICAL SERVICE FOR TRADES.
E7	MAINTAIN A 4" MINIMUM HORIZONTAL CLEARANCE IN ALL DIRECTIONS FROM THE EDGE OF A COVER PLATE OR DEVICE TRIM WHEN ADJACENT TO A WALL, COLUMN OR SIMILAR ELEMENT.	EL11	ALL DEVICES AND LIGHT FIXTURES SHALL BE LOCATED AS DIMENSIONED ON THE PLANS.
E8	ELECTRICAL COVER PLATES SHALL BE INSTALLED AFTER INSTALLATION OF ADJACENT FINISHES.	EL 12	PROVIDE EMERGENCY EGRESS/NITE LIGHTING SPACED PER NEC AND LOCAL CODE.
E9 .	WHERE ELECTRICAL OUTLETS, VOICE/DATA OUTLETS, LIGHTING AND LIGHT SWITCH ARE INDICATED TO REMAIN IN ROOMS OR AREAS UNAFFECTED BY THE RENOVATION. THE CONTRACTOR SHALL CONFIRM	E 13	ALL NEW SWITCHES, SENSORS AND OTHER DEVICES SHALL BE GRAY SIMILAR TO LOVITON. ALL COVER PLATES SHALL BE BRUSHED STAINLESS STEEL.
*****	PROPER WORKING ORDER, ALL DEVICES WITHIN ROOM SHALL MATCH IN APPEARANCE.	Et.14	ALL CONDUCTORS SHALL BE COPPER TYPE THHN.
E10	ALL ABANDONED CONDUIT AND VOICE/DATA CABLING IN CEILING PLENUM SHALL BE REMOVED.	EL13	MINIMUM SWITCHES WIRE GAUGE SHALL BE 12.
E11]	PROVIDE OUTLET BOX, CONDUIT TO PLENUM SPACE AND PULL STRING FOR ALL NEW VOICE/DATA OUTLETS.	EL16	ENSURE THAT ANY MODIFICATION TO EXISTING LIGHTING BRANCH CIRCUITS DO NOT RESULT IN AT IMPOSED LOAD EXCEEDING 80% OF O.C.D. RATING.
[E12]	ALL SECURITY, AUDIO VISUAL, AND VOICE/DATA CABLING SHALL BE PLENUM RATED UNLESS HVAC INCORPORATES A DUCTED RETURN.		
E13	COMMUNICATIONS CONTRACTOR SHALL FURNISH AND INSTALL VOICE/DATA CABLING. GENERAL CONTRACTOR SHALL COORDINATE SCHEDULING OF INSTALLATION OF VOICE/DATA CABLING WITH SELECTED SUB-CONTRACTOR. DAMAGE BY CABLING CONTRACTOR SHALL BE REPAIRED BY THE GENERAL CONTRACTOR AT NO ADDITIONAL COST TO OWNER.		9 GENERAL LIGHTING NOTES
E14]	ALL N60 ELECTRICAL DEVICES (SWITCH LEGS, OUTLETS, ETC.) AND THOSE EXISTING DEVICES SCHEDULED FOR REPLACEMENT SHALL BE GREY IN COLOR, EQUAL TO LEVITON. ALL COVER PLATES SHALL BE BRUSHED STAINLESS STEEL. WALL AND FURNITURE MOUNTED BOXES AND COVER PLATES FOR VOICE/DATA SHALL BE GREY. THIS NOTE SUPERSEDES ANY INFORMATION, SPECIFICATIONS, OR NOTES ON DRAWINGS IN ELECTRICAL SECTIONS.		
E15	NEW OUTLETS ON COLUMNS WILL BE CENTERED ON FACE SHOWN, U.N.O.		
E16	ELECTRICAL, DATA AND TELEPHONE WIRING AND CONDUIT SHALL BE CONCEALED IN PARTITIONS AND/OR CEILING. NO SURFACE MOUNTED CONDUIT OR DEVICES ARE ALLOWED.		
E17	EXISTING OUTLETS WHICH ARE ABANDONED; EXISTING SERVICE SHALL BE REMOVED TO THE MAKE-UP BOX OR THE MAIN PANEL, U.N.O.	FA1	IF THE BUILDING IS EQUIPPED WITH A FIRE ANNUNCIATION SYSTEM, PROVIDE AN EMERGENCY
£18	CONVENIENCE RECEPTACLES SHALL BE BUILDING STANDARD DUPLEX TYPE, RATED 20 AMP, 125 VAC., GROUNDED TYPE, U.N.O.		WARNING SYSTEM CONSISTING OF BOTH AUDIBLE AND VISUAL ALARMS COMPLYING WITH THE ADA/TAS GUIDELINES. VISUAL ALARMS SHALL BE PROVIDED IN EACH OF THE FOLLOWING AREAS (E.G., CONFERENCE ROOMS, CORRIDORS, LOBBIES, RESTROOMS, WORK ROOMS, STORAGE ROOMS, FIL
E19	THE ELECTRICAL CONTRACTOR SHALL PROVIDE POWER WIRING.		ROOMS AND ANY OTHER AREA OF COMMON USE.) IF PROVIDED, AUDIBLE EMERGENCY ALARMS SHALL PRODUCE A SOUND THAT EXCEEDS THE PREVAILING SOUND LEVEL IN THE ROOM OR SPACE
E20	EXISTING LIGHTING BRANCH CIRCUITS MAY BE EXTENDED AND REUSED TO SERVE NEW LIGHTING. WHERE EXISTING LIGHTING CIRCUITS ARE INOPERABLE OR FOUND TO BE IN POOR CONDITION, THEY SHALL BE REPLACED. EXISTING WORK SHALL BE BROUGHT UP TO CODE AS REQUIRED. ENSURE NEW LIGHTING LOAD, COMBINED WITH EXISTING LOAD DOES NOT EXCEED 80% OF O.C.D. RATING.		AT LEAST 15 DBA OR EXCEEDS ANY MAXIMUM SOUND LEVEL WITH A DURATION OF 60 SECONDS BY 5 DBA, WHICHEVER IS LOUDER. SOUND LEVELS SHALL NOT EXCEED 120 DBA. VISUAL ALARM SIGNA APPLIANCES SHALL BE INTEGRATED INTO THE BUILDING ALARM SYSTEM. LAMP SHALL BE XENON STROBE TYPE OR EQUAL. COLOR SHALL BE CLEAR OR NOMINAL WHITE. MAXIMUM PULSE SHALL BE
[E21]	ELECTRICAL SWITCH AND OUTLET COVER PLATES SHALL BE INSTALLED AFTER INSTALLATION OF ADJACENT FINISHES.		TWO-TENTHS OF ONE SECOND WITH A MAXIMUM DUTY CYCLE OF 40 PERCENT. INTENSITY SHALL B A MINIMUM OF 75 CANDELA. THE FLASH RATE SHALL BE A MINIMUM OF 1 HZ. AND A MAXIMUM OF HZ. THE APPLIANCE SHALL BE PACED 80 INCHES ABOVE THE HIGHEST FLOOR LEVEL OR CEILING, WHICHEVER IS LOWER. IN GENERAL, NO PLACE IN ANY ROOM OR SPACE REUQIRED TO HAVE A
E22	ADJACENT AREAS WILL REMAIN OCCUPIED DURING CONSTRUCTION. CONTRACTOR IS TO SCHEDULE ANY POWER OUTAGES DUE TO CONSTRUCTION WITH BUILDING MANAGER AND OWNER/TENANT PRIOR TO COMMENCING WORK.	FA2	VISUAL SIGNAL APPLIANCE SHALL BE MORE THAN 50 FEET FROM THE SIGNAL APPLIANCE. MODIFICATIONS TO FIRE ALARM MUST BE MADE BY FIRM SERVICING BUILDING SYSTEM. CONTACT BUILDING MANAGER FOR NAME OF FIRM. ALL NEW DEVICES TO BE COMPATIBLE WITH EXISTING
E23	PROVIDE BLANK COVER PLATE AT EXISTING TELEPHONE/DATA BOX LEFT AFTER DEMOLITION, YET NOT IN INITIAL CONFIGURATION.	FA3	SYSTEM. REFER SPECIAL SYSTEMS SHEET HEREIN FOR EXISTING AND NEW FIRE ALARM DEVICE PLACEMENT.
E24	ALL POWER CONDUCTORS SHALL BE COPPER TYPE THNN.	FA4	IN AREAS WHERE DEMOLITION AND/OR CONSTRUCTION OCCURS, COVER SMOKE DETECTORS
[EZ.5]	MINIMUM WIRE GAUGE ON BRANCH CIRCUITS SHALL BE 12 GAUGE.		DURING WORK. ENSURE DETECTORS ARE UNCOVERED AT THE END OF EACH WORK PERIOD.
0	6 GENERAL ELECTRICAL NOTES		5 FIRE ALARM REQUIREMENTS
СТІ	ROOMS/AREAS WITH ONLY ONE LIGHT FIXTURE, CORRIDORS, STOREROOMS, RESTROOMS, AND LOBBIES SHALL HAVE TOGGLE LIGHT SWITCHES, NO OCCUPANCY SENSORS REQUIRED, UNO.	#E1	THE WORK SHALL CONFORM TO THE INTERNATIONAL ENERGY CONSERVATION CODE 2009 AND OTHER RELATED LOCAL CODES. VERIFY THAT THE CITY IN WHICH THE WORK IS CONDUCTED HAS NOT ALLOWED JECCOMMENTS.
CT2	ALL OTHER ROOMS/AREAS EXCEPT AS EXPRESSED ABOVE SHALL RECEIVE AN AUTOMATIC WALL SWITCH (OCCUPANCY SENSOR WITH OVERRIDE). SWITCH SHALL BE LOCATED AS TO BEST MONITOR OCCUPANT, OTHERWISE CEILING MOUNT OCCUPANCY SENSOR WITH TOGGLE SWITCH SHALL BE REQUIRED.	[E2]	NOT AUGMENTED IECC WITH MORE STRINGENT CODES ESTABLISHED BY ORDINANCE. LIGHTING WORK: SWITCHING, FIXTURE TYPES, LAMP/BALLASTS, AND CONTROLS. ARCHITECT'S DRAWING PRESENTS CONCEPT ONLY. FINAL DESIGN SHALL EITHER BE PROVIDED IN ENGINEERING SECTION OR DOCUMENTS, OR BE PROVIDED BY SUB-CONTRACTOR AND SHALL BE APPROVED BY
Стэ	OFFICES LARGER THAN 250 SF SHALL RECEIVE CEILING MOUNTED OCCUPANCY SENSOR WITH TOGGLE OVERRIDE SWITCH. QUANTITY OF SENSORS TO BE DETERMINED BY MANUFACTURER. THIS OPTION MUST INCLUDE A POWER PACK. MAXIMIZE NUMBER OF SENSORS PER POWER PACK.		BUILDING MANAGEMENT. MECHANICAL WORK: DUCTWORK CONSTRUCTION AND INSULATION, CONTROLS, OUTDOOR AIR-VENTILATION, AND PIPE INSULATION. PER DETAILS AND SPECIFICATIONS SHA
	DEFAULT TIME DELAYS SHALL BE 15 MINUTES OR LESS, U.N.O.	ed present pre	COMPLY WITH IECC 2009. IN THE ABSENCE OF ENGINEERING DETAILS, THE CONTRACTOR SHAPENSURE COMPLIANCE.
CT4 CT5	OPEN AREAS 2500 SF OR LARGER SHALL BE ZONED SEPARATELY. CONTRACTOR SHALL SET/ADJUST AND VERIFY OCCUPANCY SENSOR COVERAGE.	E4	ENVELOPE WORK: WHEN REQUIRED, MODIFICATIONS TO EXTERIOR WALLS, DOORS AND WINDOWS SHALL COMPLY WITH ENVELOPE REQUIREMENTS OR IECC 2009.

02 LIGHTING CONTROLS OCCUPANCY SENSOR



IECC CODE REQUIREMENTS

ARCHITECTURE &

INTERIOR DESIGN

DALLAS, TX 75240

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REVISIONS

DATE:

01.28.13

PROJECT NO:

ISSUED FOR:

PERMIT, PRICING & CONSTRUCTION

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GENERAL NOTES