

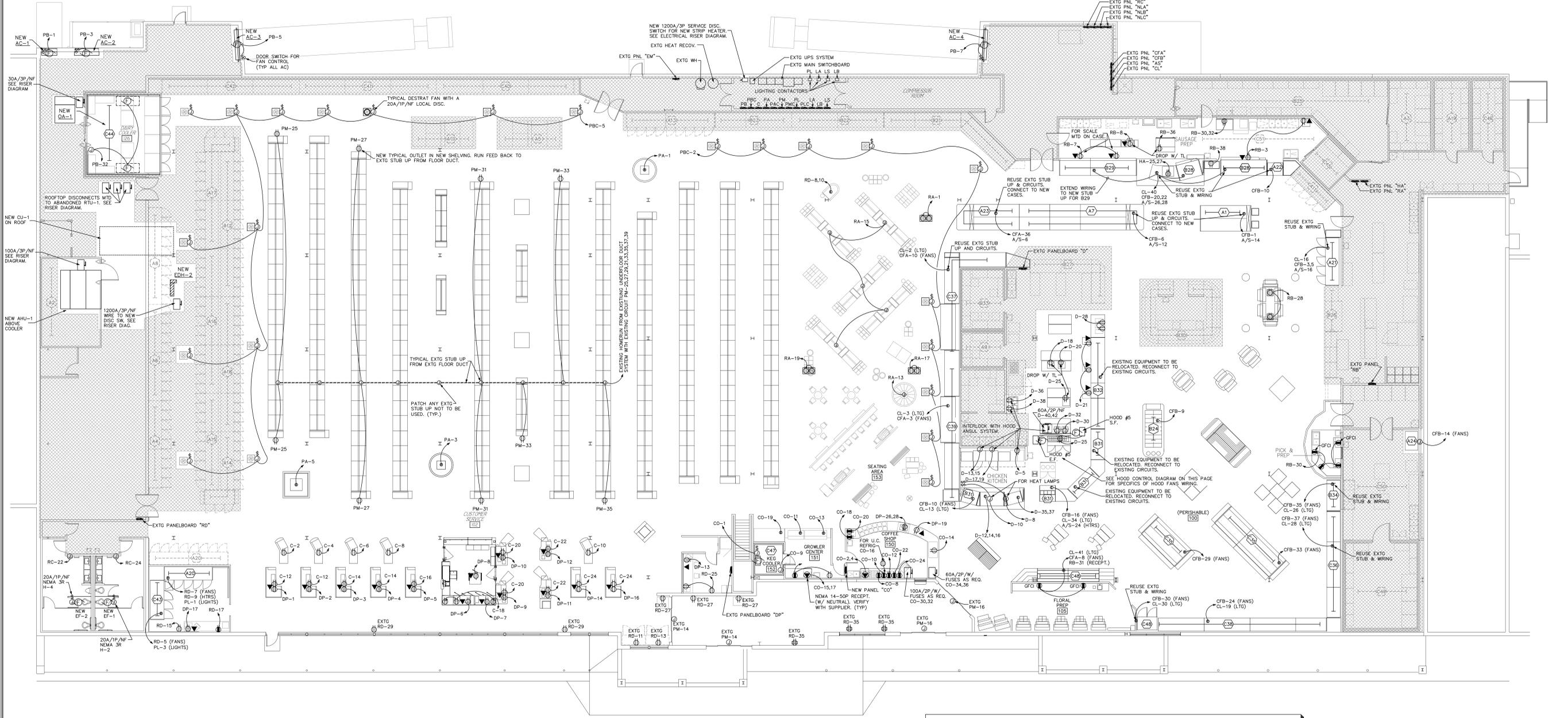
ELECTRICAL SYMBOLS LEGEND			
SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION
	DUPLEX RECEPTACLE, MTD, +18" AFF		TRANSFORMER - SIZE AS NOTED
	240 VOLT RECEPTACLE (HT, AS REQ.)		PANEL - SIZE AS NOTED
	QUAD DUPLEX RECEPTACLE, MTD, +18" AFF		MOMENTARY CONTACT PUSH BUTTON
	F-FAN, W-MOTOR, P-RAMP		JUNCTION BOX - MAXIMUM OF 2'-0" ABOVE THE CEILING.
	SINGLE POLE SWITCH, MTD, +47" AFF		CONDUIT SIZED AS REQUIRED AND RIGIDLY SUPPORTED TO PREVENT LATERAL OR VERTICAL MOVEMENT.
	THREE-WAY SWITCH, MTD, +47" AFF		CHROME PLATED ESCUTCHEON PLATE
	MANUAL STARTER SWITCH		DROP CORD SHALL BE TYPE "SO" COLOR WHITE. SIZE AS REQUIRED.
	DIMMER SWITCH, MTD, +47" AFF		HUBBELL "KELLEK GRIP" SIZE AS REQUIRED.
	SWITCH W/ ALARM WNEEN ON MTD, +47" AFF		CORD AND MALE CONNECTOR TO BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
	RECESSED MOUNTED LIGHTING FIXTURE, B DESIGNATES FIXTURE TYPE		
	OVERHEAD OCCUPANCY SENSOR		
	HIGH BAY LIGHTING FIXTURE, B DESIGNATES FIXTURE TYPE		
	FLUORESCENT LIGHTING FIXTURE, B DESIGNATES FIXTURE TYPE		
	FLUORESCENT STRIP LIGHTING FIXTURE, B DESIGNATES FIXTURE TYPE		
	TELEPHONE / DATA OUTLET, +18" AFF		
	BED COMPUTER TERM. OUTLET, +18" AFF		
	DISCONNECT SWITCH W/ STARTER		
	ISOLATED GROUND		
	WEATHER-PROOF		
	BELOW COUNTER		
	TIME CLOCK - 24 HOUR		
	GROUND FAULT INTERRUPTER		
	ABOVE FINISHED FLOOR		
	ELECTRIC WATER COOLER		
	ABOVE SHOW WINDOW		
	BELOW SHOW WINDOW		
	FIRE ALARM MAN. PULL STATION, +47" AFF		
	FIRE ALARM ANNUNCIATOR PANEL		
	HORN W/ STROBE LIGHT, MTD, +80" AFF, B DESIGNATES DEVICE'S CANDELLA RATING, # DESIGNATES DEVICE'S CANDELLA RATING		

4 EQUIP. DROP CORD DETAIL
NO SCALE

3 I. G. RECEPTACLE DETAIL
NO SCALE

2 MEZZANINE FLOOR PLAN POWER
SCALE: 3/32"=1'-0"

5 NEW HOOD #5 CONTROL WIRING DETAIL
NO SCALE



1 FLOOR PLAN - POWER
SCALE: 3/32"=1'-0"

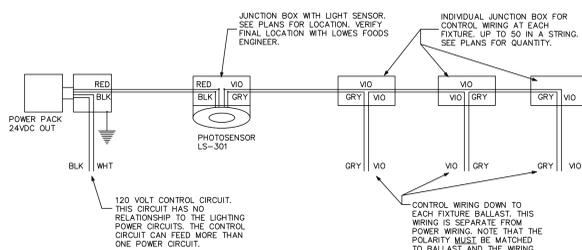
NOTE THIS IS AN REHAB OF AN EXISTING BUILDING WHICH HAS AN EXISTING SERVICE AND DISTRIBUTION EQUIPMENT. ALTERATIONS TO EXISTING BUILDING BEING OF SUCH NATURE THAT ALL FACETS OF THE WORK ARE IMPOSSIBLE TO DETAIL AND SPECIFY. IT IS THEREFORE SPECIFICALLY THE RESPONSIBILITY OF THE CONTRACTOR TO CAREFULLY EXAMINE THE EXISTING BUILDING AND FAMILIARIZE HIMSELF WITH THE CONDITIONS AND RELATE THESE CONDITIONS TO THE SCOPE OF THE PROPOSED NEW WORK. ALL BIDS ARE EXPECTED TO ENCOMPASS THE TOTAL WORK SCOPE NEEDED TO PLACE THE COMPLETED ELECTRICAL SYSTEMS IN WORKING CONDITION TO THE EXTENT OF THE PLANS.

LIGHTING FIXTURE SCHEDULE

LABEL	TYPE OF FIXTURE	FINISH	LENS TYPE	VOLTAGE	LAMP	MANUFACTURER & MODEL NO.	REMARKS
A1	8' STRIP FLUORESCENT FIXTURE	WHITE		120	(4) F32T8	LITHONIA C-432-120V	1,2
A2	4' FLUORESCENT STRIP	WHITE		120	(1) 32W T8	LITHONIA C-132-120-V	1,2
A3	8' FLUORESCENT STRIP	WHITE		120	(2) 32W T8	LITHONIA C-232-120-V	1,2
B	RECESSED 2'x4' TROFFER	WHITE	PRISMATIC	120	(3) 32W T8	LITHONIA 20S332A12-120-ES	1
D	HID HI-BAY PENDANT	GREY		208	(1) 210W MH	WIDELITE S'MPF210M	PENDANT STEM MTD W/ BOTTOM OF FIXTURE AT 14'-0"
D1	PENDENT MOUNTED LED	WHITE		120	17W LED	BOCK RUM	PENDANT CABLE/CORD MOUNTED. MOUNT W/ BOTTOM @ 8'-6" AFF
EM	EMERGENCY EGRESS	WHITE		120	INCLUDED	LIGHTOLIER EB11-W	4, MTD AT 8'-4" AFF MINIMUM
EX	EXIT SIGN	WHITE	RED	120	INCLUDED	LIGHTOLIER LLNLRW	
M	8' FLUORESCENT STRIP	GREY	POLYCARBONATE	120	(4) 32W T8	LIGHTOLIER ST8WA232120US	2, 3, 6
R	RECESSED DOWN LIGHT	WHITE	FRESNEL	120	40W LED	LIGHTOLIER CBL15-40DL	
R2	RECESSED DOWN LIGHT	WHITE		120	50W MH	LIGHTOLIER	VERIFY W/ ILLUM TECH FOR FIXTURE
S	DECORATIVE WALL SCONCE	WHITE		120	13W LED	PROGRESS P6003-20	VERIFY MTD HEIGHT WITH OWNER/ARCHITECT
S2	DECORATIVE WALL SCONCE	WHITE		120	17W LED	BOCK RUM	VERIFY MTD HEIGHT WITH OWNER/ARCHITECT
T1	TRACK HEAD SPOT/FLOOD	WHITE		120	12W LED	LIGHTOLIER B201	PROVIDE TRACK AND CONNECTORS. TRACK TO BE MTD AT 10'-0" AFF.
T2	TRACK HEAD 4' LINEAR	WHITE		120	(2) T5HO	LIGHTOLIER 37254MH	PROVIDE TRACK AND CONNECTORS. TRACK TO BE MTD AT 10'-0" AFF.
Y2	2' WALL MOUNTED FLUOR.	WHITE	PRISMATIC	120	(2) 17W T8	LIGHTOLIER LMBU217 UNVOK	MTD ABOVE MIRROR
LEM	EMERGENCY LIGHTING	WHITE		120	(2) 6WATT	LIGHTOLIER MKXHELFB	MAX OF (4) LAMPS PER BATTERY PACK
BEM	BATTERY PACK FOR EM LTG	WHITE		120		LIGHTOLIER E4215LB	

- NOTES**
- 1.) PROVIDE ELECTRONIC BALLAST
 - 2.) ALL FLUORESCENT FIXTURES MOUNTED ON CEILING SHALL BE INSTALLED USING FACTORY TON-HANGERS
 - 3.) BALLAST SHALL BE RATED FOR USE IN FREEZING TEMPERATURES
 - 4.) WITH BATTERY BACKUP
 - 5.) UNIT TO BE UL WET LOCATION LISTED.
 - 6.) PROVIDE LAMP SHIELDS.

FIXTURE PACKAGE IS TO BE PURCHASED FROM ILLUMINATING TECHNOLOGIES INC., ATTN: GORDON HUNT, 6386 BURNT POPLAR ROAD, GREENSBORO, NC 27409. OFFICE PHONE (336)330-1490, FAX (336)330-1490. THERE WILL BE NO SUBSTITUTIONS ALLOWED.



2 LIGHT FIXTURE TYPE 'D' CONTROL WIRING DETAIL
NO SCALE

NOTE - THIS CONTROL WIRING IS SEPARATE FROM THE 208 VOLT POWER WIRING TO THE BALLAST.

ELECTRICAL SYSTEM AND EQUIPMENT
METHOD OF COMPLIANCE

PRESCRIPTIVE PERFORMANCE ENERGY COST BUDGET

PROVIDE A STANDARD RISER DIAGRAM WHICH INDICATES DESIGNATED POINTS FOR CHECK METERING. PROVIDE A STANDARD PANEL SCHEDULE DESCRIPTION WHICH IDENTIFIES DIFFERENT ENDOUSE LOADS.

LIGHTING SCHEDULE

- LAMP TYPE REQUIRED IN FIXTURE — SEE SCHEDULE ON DRAWINGS
- NUMBER OF LAMPS IN FIXTURE — SEE SCHEDULE ON DRAWINGS
- BALLAST TYPE USED IN FIXTURE — SEE SCHEDULE ON DRAWINGS
- NUMBER OF BALLASTS IN FIXTURE — SEE SCHEDULE ON DRAWINGS
- TOTAL WATTAGE PER FIXTURE — SEE SCHEDULE ON DRAWINGS
- TOTAL INTERIOR WATTAGE SPECIFIED VS ALLOWED — 1.37 VS 1.41
- TOTAL EXTERIOR WATTAGE SPECIFIED VS ALLOWED — N/A - EXTG.

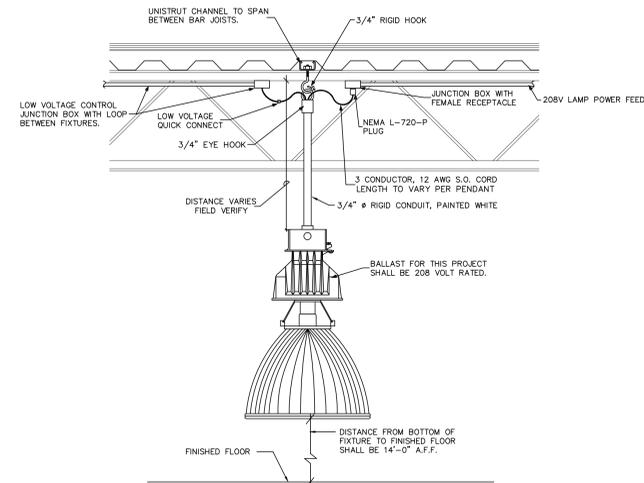
EQUIPMENT SCHEDULES WITH MOTORS (NOT USED FOR MECHANICAL SYSTEMS)

- MOTOR HORSEPOWER — N/A
- NUMBER OF PHASES — N/A
- MINIMUM EFFICIENCY — N/A
- MOTOR TYPE — N/A
- NUMBER OF POLES — N/A

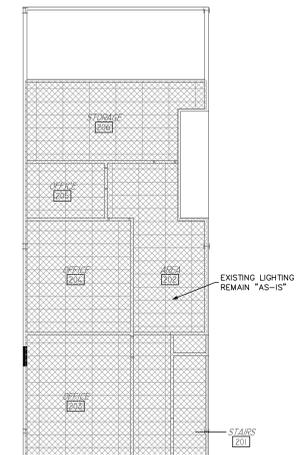
DESIGNER STATEMENT:

TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE DESIGN OF THIS BUILDING COMPLIES WITH THE ELECTRICAL SYSTEM AND EQUIPMENT REQUIREMENTS OF THE NORTH CAROLINA ENERGY CODE 2012, CHAPTER 5.

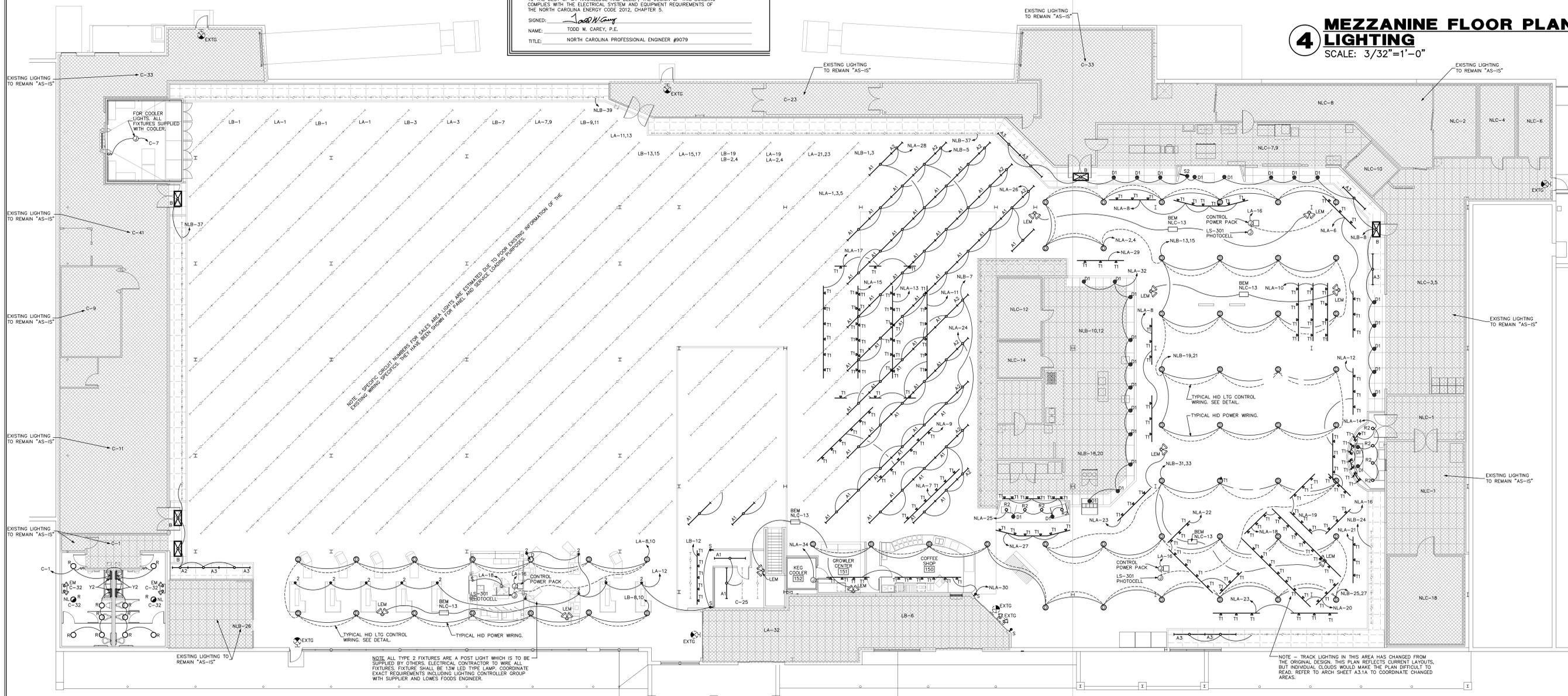
SIGNED: *Todd W. Carey*
NAME: TODD W. CAREY, P.E.
TITLE: NORTH CAROLINA PROFESSIONAL ENGINEER #9079



3 LIGHT FIXTURE TYPE 'D' MTG DETAIL
NO SCALE



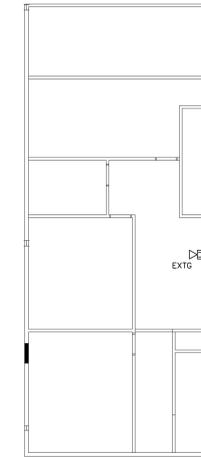
4 MEZZANINE FLOOR PLAN LIGHTING
SCALE: 3/32"=1'-0"



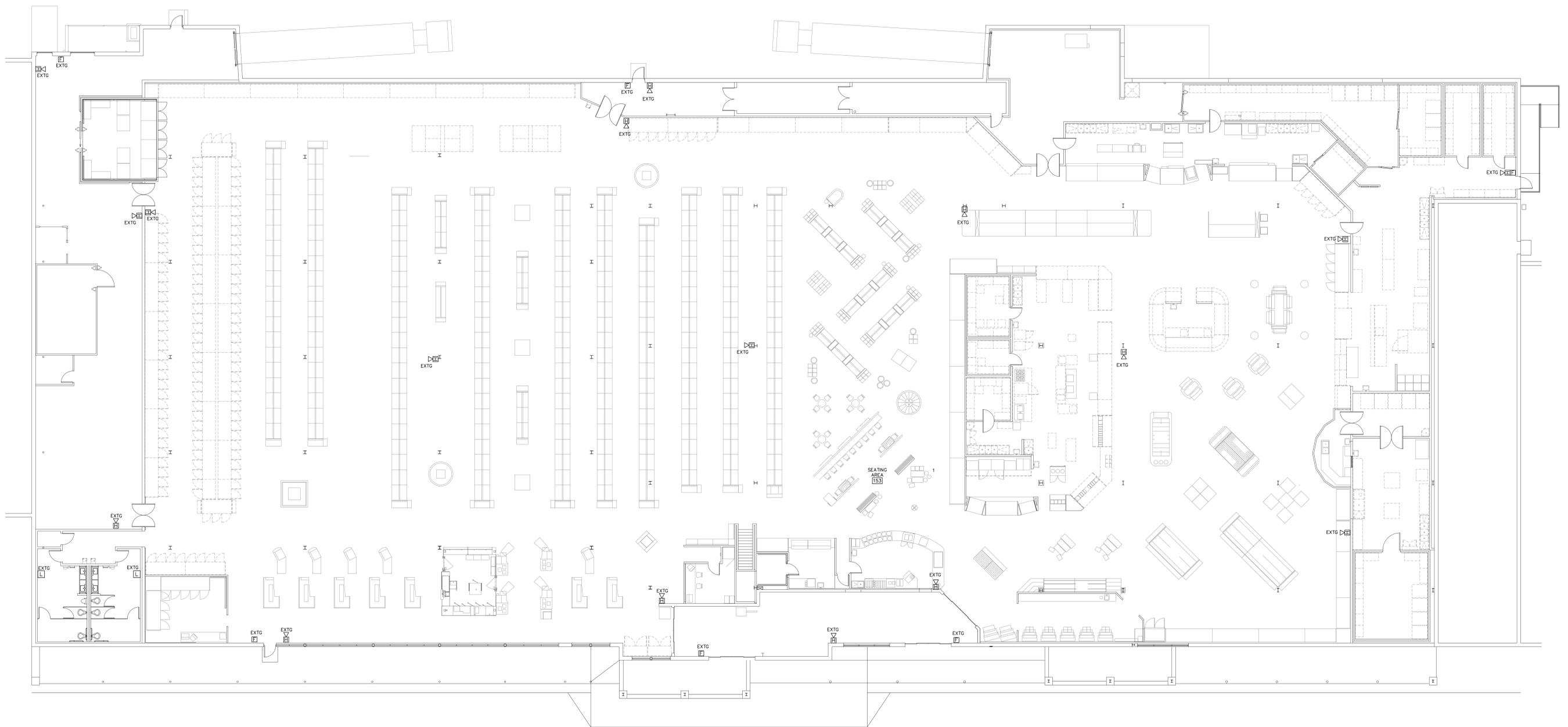
- LIGHTING PLAN GENERAL NOTES**
- 1.) ALL EXISTING FIXTURES WHICH ARE EXISTING TO BE REUSED ARE TO BE CAREFULLY CHECKED FOR PROPER OPERATION. ALL LAMPS SHOWING SIGNS OF DISTRESS ARE TO BE REPLACED. ALL BALLASTS WHICH ARE NOISY OR RUNNING HOT ARE TO BE REPLACED. ALL FIXTURES WITH LENS ARE TO HAVE THE LENS REPLACED. COORDINATE WITH LOWES STAFF.
 - 2.) ALL SUSPENDED FIXTURES ARE NOT TO BE ANCHORED TO THE ROOF DECK. CONTRACTOR TO PROVIDE UNISTRUT BETWEEN THE TOP CHORD OF THE ROOF TRUSSES, SEE FIXTURE D MOUNTING DETAIL.
 - 3.) SEE ARCHITECTURAL DRAWINGS FOR EXACT PLACEMENT OF ALL LIGHT FIXTURES.
 - 4.) CIRCUITS SHOWN ARE BASED ON EXISTING DRAWINGS, AND FIELD NOTES FROM PANEL SCHEDULES. CONTRACTOR SHALL REUSE EXISTING CIRCUITS WHERE AND WHEN POSSIBLE. ADJUST CIRCUIT NUMBERS AS REQUIRED TO ADJUST TO FIELD CONDITIONS.

1 FLOOR PLAN - LIGHTING
SCALE: 3/32"=1'-0"

NOTE THIS IS AN REHAB OF AN EXISTING BUILDING WHICH HAS EXISTING LIGHTING SYSTEMS AND DISTRIBUTION EQUIPMENT. ALTERATIONS TO EXISTING BUILDING BEING OF SUCH NATURE THAT ALL FACETS OF THE WORK ARE IMPOSSIBLE TO DETAIL AND SPECIFY. IT IS THEREFORE SPECIFICALLY THE RESPONSIBILITY OF THE CONTRACTOR TO CAREFULLY EXAMINE THE EXISTING BUILDING AND FAMILIARIZE HIMSELF WITH THE CONDITIONS AND RELATE THESE CONDITIONS TO THE SCOPE OF THE PROPOSED NEW WORK. ALL BIDS ARE EXPECTED TO ENCOMPASS THE TOTAL WORK SCOPE NEEDED TO PLACE THE COMPLETED LIGHTING SYSTEMS IN WORKING CONDITION TO THE EXTENT OF THE PLANS.

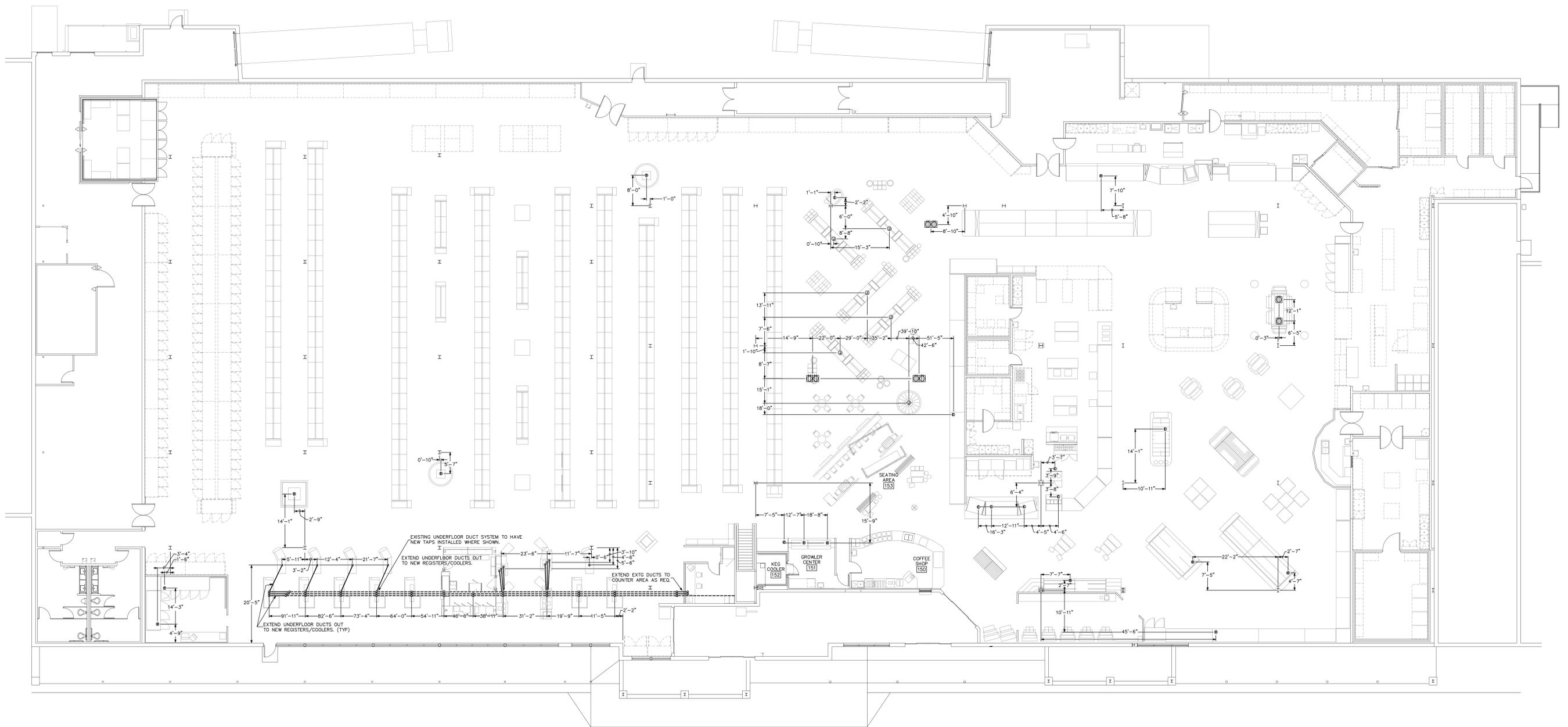


2 MEZZANINE FLOOR PLAN
FIRE PROTECTION
 SCALE: 3/32"=1'-0"

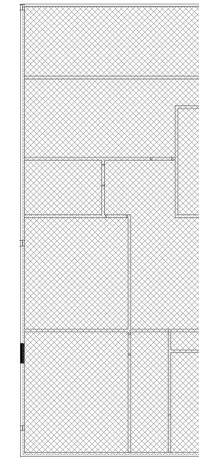


1 FLOOR PLAN - FIRE PROTECTION
 SCALE: 3/32"=1'-0"

NOTE - THE FIRE ALARM SYSTEM IS EXISTING WITHIN THE BUILDING. THIS RENOVATION WORK IS NOT EXPECTED TO CREATE ANY CHANGES TO THE FIRE ALARM SYSTEM. CONTRACTOR SHALL COORDINATE WITH LOCAL AUTHORITY IN FIELD.



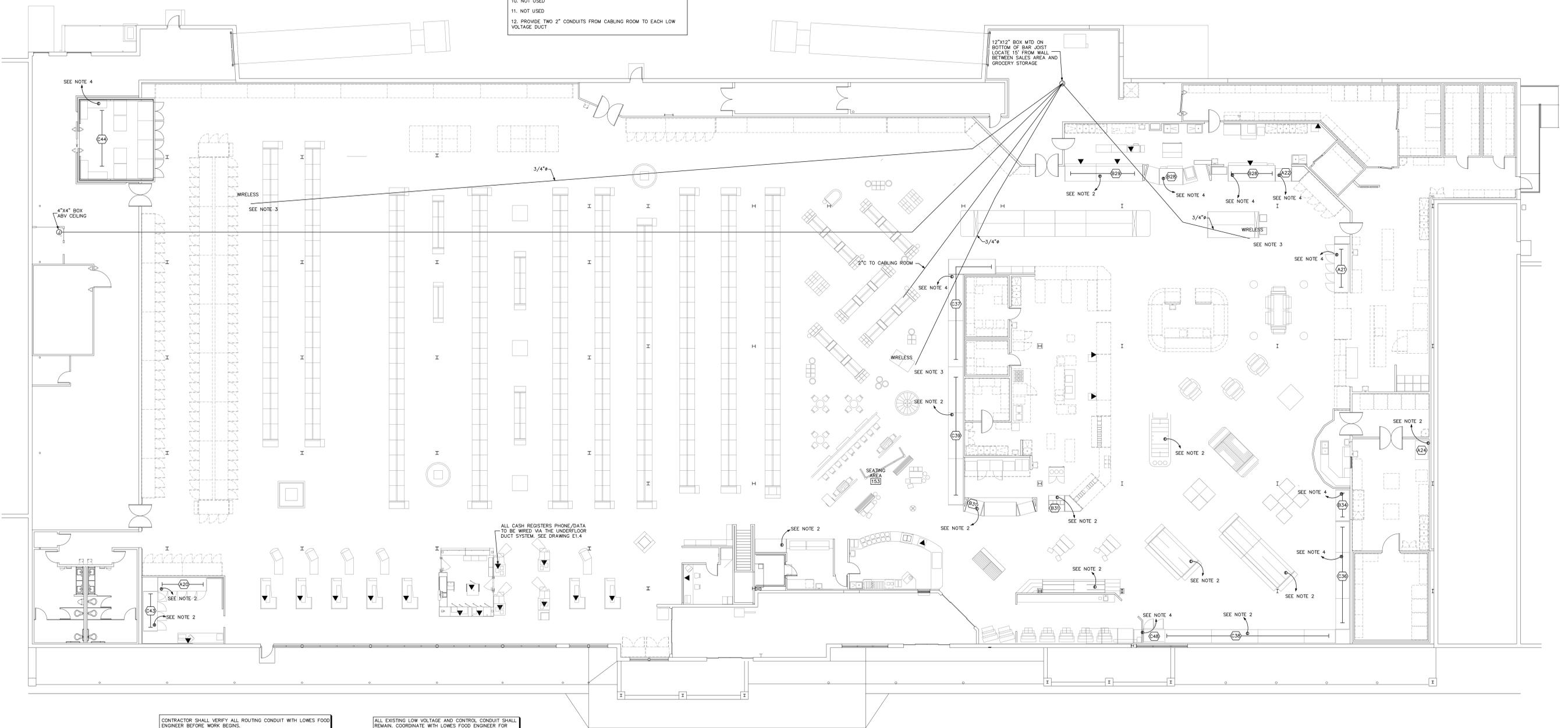
1 FLOOR PLAN - STUB UP PLAN
 SCALE: 3/32"=1'-0"



NOTE - MANY OF THE REFRIGERATION UNITS ARE RELOCATED AND/OR NEW WITH EXISTING STUB UPS AND LOW VOLTAGE CONTROL WIRING IN THE AREA OF THE CALLED FOR NEW/RELOCATED EQUIPMENT. CONTRACTOR SHALL COORDINATE EXISTING CONDITIONS WITH LOWES FOODS ENGINEER AND REUSE EXISTING WHERE AND/OR WHEN POSSIBLE.

- NOTES:
1. TELEPHONE OUTLET, CONDUIT SHALL BE ROUTED BACK TO TELEPHONE BOARD AND FULL STRING INSTALLED FOR TELEPHONE COMPANY.
 2. TWO PAIR SHIELDED CABLES IN A 3/4" CONDUIT TO REFRIGERATION RACK.
 3. COORDINATE WITH LOWES FOODS ENGINEER ON EXACT MTG HEIGHT.
 4. EXISTING STUB UP WITH EXTG SHIELDED CABLES. VERIFY IF ANY WORK NECESSARY WITH LOWES FOODS ENGINEER.
 5. ROUTE CONDUIT FROM OVERHEAD TO UNDERSLAB IN WALL.
 6. NOT USED
 7. NOT USED
 8. E.C. SHALL PROVIDE A MIN 3/4" CONDUIT AND JBOX TO PANEL FOR CONTROL COMPONENT WIRING. COORDINATE WITH LOWES FOOD/SSCO REP. COORDINATE WITH MECHANICAL DRAWINGS AND SCHEMATICS.
 9. SENSOR WIRING AND 120V WIRING SHALL NOT BE ROUTED IN SAME CONDUIT.
 10. NOT USED
 11. NOT USED
 12. PROVIDE TWO 2" CONDUITS FROM CABLING ROOM TO EACH LOW VOLTAGE DUCT

**2 MEZZANINE FLOOR PLAN
LOW VOLTAGE / COMMUNICATIONS**
SCALE: 3/32"=1'-0"



CONTRACTOR SHALL VERIFY ALL ROUTING CONDUIT WITH LOWES FOOD ENGINEER BEFORE WORK BEGINS.

ALL EXISTING LOW VOLTAGE AND CONTROL CONDUIT SHALL REMAIN. COORDINATE WITH LOWES FOOD ENGINEER FOR EXACT REQUIREMENTS.

1 FLOOR PLAN - LOW VOLTAGE / COMMUNICATIONS
SCALE: 3/32"=1'-0"