BUILDING CODE SUMMARY (continued)

ALLOWABLE HEIGHT SHOWN ON PLANS REFERENCE Building Height in Feet (Table 504.3) Building Height in Stories (Table 504.4)

1. Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.

FIRE	PROTECTION	REQUIREMENTS

FIRE RATING ** (TABLE 601) DETAIL # DESIGN # SHEET # SH										
BUILDING ELEMENT	SEPARATION DISTANCE (feet)	REQ'D V-B	PROVIDED (w/ * REDUCTION	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	SHEET # FOR RATED PENETRATION	SHEET # FOR RATED JOINTS			
Structural Frame, including columns, girders, trusses		0	0	N/A	N/A	N/A	N/A			
Bearing Walls Exterior		0	0	N/A	N/A	N/A	N/A			
North		0	0	N/A	N/A	N/A	N/A			
East		0	0	N/A	N/A	N/A	N/A			
West		0	0	N/A	N/A	N/A	N/A			
South		0	0	N/A	N/A	N/A	N/A			
Interior		0	0	N/A	N/A	N/A	N/A			
Nonbearing walls and partitions Exterior walls		0	0	N/A	N/A	N/A	N/A			
North		0	0	N/A	N/A	N/A	N/A			
East		0	0	N/A	N/A	N/A	N/A			
West		0	0	N/A	N/A	N/A	N/A			
South		0	0	N/A	N/A	N/A	N/A			
Interior Non-Bearing Walls		0	0	N/A	N/A	N/A	N/A			
Floor construction including supporting beams and joist	ts	0	0	N/A	N/A	N/A	N/A			
Floor Ceiling Assembly		0	0	N/A	N/A	N/A	N/A			
Columns Supporting Floors		0	0	N/A	N/A	N/A	N/A			
Roof construction including supporting beams and joist	ts	0	0	N/A	N/A	N/A	N/A			
Roof Ceiling Assembly		0	0	N/A	N/A	N/A	N/A			
Columns Supporting Roof		0	0	N/A	N/A	N/A	N/A			
Shaft Enclosures – Exit		0	0	N/A	N/A	N/A	N/A			
Shaft Enclosures - Other		0	0	N/A	N/A	N/A	N/A			
Corridor Separation		0	0	N/A	N/A	N/A	N/A			
Occupancy / Fire Barrier Separation		0	0	N/A	N/A	N/A	N/A			
Party/Fire Wall Separation		0	0	N/A	N/A	N/A	N/A			
Smoke Barrier Separation		0	0	N/A	N/A	N/A	N/A			
Smoke Partition		0	0	N/A	N/A	N/A	N/A			
OWNER/Dwelling Unit/ Sleeping Unit Separation		0	0	N/A	N/A	N/A	N/A			
Incidental Use Separation		0	0	N/A	N/A	N/A	N/A			

* Indicate section number permitting reduction

PERCENTAGE OF WALL OPENING CALCULATIONS

EXTERIOR WALL	FIRE SEPARATION DISTANCE (feet) FROM PROPERTY LINE	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
North	-	-	-	-
South	-	-	-	-
East	_	_	-	-
West	-	-	-	-

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting:	Yes	□ No		
Exit Signs:	Yes Yes	□ No		
Fire Alarm:	☐ Yes	⊠ No		
Smoke Detection Systems:	☐ Yes	⊠ No	Partial	☐ Duct Detectors
Carbon Monoxide Detection:	☐ Yes	⊠ No		
Life Safety Systems Generator:	☐ Yes	⊠ No		

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: N/A

- ☐ Fire and/or smoke rated wall locations (Chapter 7)
- ☐ Assumed and real property line locations (if not on the site plan) ☐ Exterior wall opening area with respect to distance to assumed property lines (705.8)
- □ Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
- ☐ Occupant loads for each area
- ☐ Exit access travel distances (1017) ☐ Common path of travel distances [1006.2.1 & 1006.3.2(1)]
- ☐ Dead end lengths (1020.4)
- ☐ Clear exit widths for each exit door ☐ Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
- ☐ Actual occupant load for each exit door ☐ A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for
- purposes of occupancy separation ☐ Location of doors with panic hardware (1010.1.10)
- □ Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
- ☐ Location of doors with electromagnetic egress locks (1010.1.9.9)

UNITS PROVIDED

TOTAL # OF PARKING SPACES

- ☐ Location of doors equipped with hold-open devices
- ☐ Location of emergency escape windows (1030) ☐ The square footage of each fire area (903)

ACCESSIBLE

TOTAL UNITS

NONE REQUIRED

SEE CIVIL DRAWING

☐ The square footage of each smoke compartment for Occupancy Classification I—II (407.5)

TYPE A UNITS REQUIRED

ACCESSIBLE PARKING (SECTION 1106)

TYPE A UNITS PROVIDED

REGULAR WITH 5'

ACCESS AISLE

TYPE B UNITS REQUIRED

VAN SPACES WITH

132" ACCESS | 96" ACCESS AISLE AISLE

TYPE B UNITS PROVIDED

TOTAL # ACCESSIBLE

☐ Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS (SECTION 1107)

EXTERIOR WALL	OPEN LENGTH (feet)	TOTAL LENGTH (feet)	WIDTH OF PUBLIC WAY OR OPEN SPACE (feet)	FROM CALC. ABOVE	FROM TABLE ABOVE	COLUMN (C) ABOVE (% * TABLE AREA)
North						
South						
East						
West						
TOTAL						
EXAMPLE	75	100	25	42	23,500	(.42*23,500 = 9,870)

2 Unlimited area applicable under conditions of Sections 507

- 3 Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (Section 506.2). 4 The maximum area of open parking garages must comply with Table 406.5.4. The maximum area of air traffic control towers must
- comply with Table 412.3.1
- 5 Frontage increase is based on the unsprinklered area value in Table 506.2.

BUILDING CODE SUMMARY (continued)

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)															
USE	WATER CLOSETS			LIDINALS LAVATOR			URINALS		LAVATORIE	ES	SHOWERS/	DRINKING I	FOUNTAINS	SERVICE	
USE	MALE	FEMALE	UNISEX	UKINALS	MALE	FEMALE	UNISEX	TUBS	REGULAR	ACCESSIBLE	SINK	•			
•															
_															

***THIS ACCESSORY STORAGE BUILDING DOES NOT REQUIRE A RESTROOM PER APPLICABLE PLUMBING CODE, AS AN RESTROOM IS AVAILABLE FOR USE WITHIN 300 FEET ON THE SAME PROPERTY.

SPECIAL APPROVALS:

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, ICC, etc., describe below)

ENERGY SUMMARY

ENERGY REQUIREMENTS: NOT REQUIRED

The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the

Existing building envelope complies with code:

Climate Zone: 🗹 3A 🔲 4A 🔘 5A HARNETT COUNTY

Method of Compliance:

Energy Code: Performance Prescriptive Value of total assembly: ASHRAE 90.1: ☐ Performance ☐ Prescriptive Other: Performance (specify source)

THERMAL ENVELOPE: (Prescriptive method only) Roof/ceiling Assembly #1 (each assembly) Description of assembly:

U-Value of total assembly: R-Value of insulation: Skylights in each assembly: U- Value of skylight:

Total square footage of skylights in each assembly:

Exterior Walls Assembly #1 (each assembly) Description of assembly:

U-Value of total assembly: R- Value of insulation: Openings (windows or doors with glazing)

U-Value of assembly: Projection factor:

Description of assembly: U-Value of total assembly:

R-Value of insulation:

Description of assembly: U-Value of total assembly:

R-Value of insulation: Floors slab on grade

R- Value of insulation:

MECHANICAL SUMMARY (SEE DRAWING SHEET ___N/A_)

ELECTRICAL SUMMARY (SEE DRAWING SHEET N/A)

HARNETT COUNTY BUILDING CODE SUMMARY for:

TIRADO STORAGE BUILDING

US 421 SOUTH, HARNETT COUNTY, NC



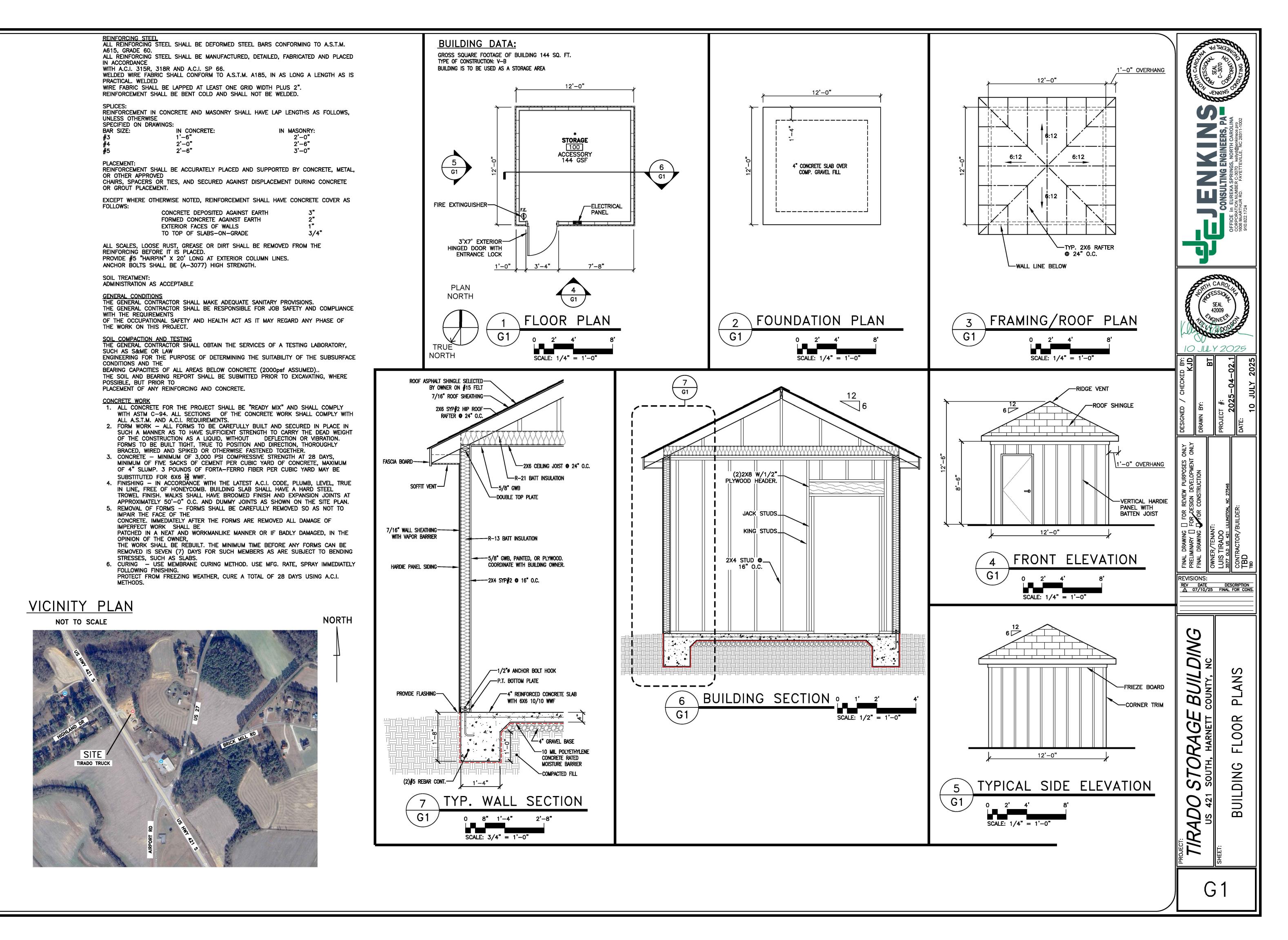


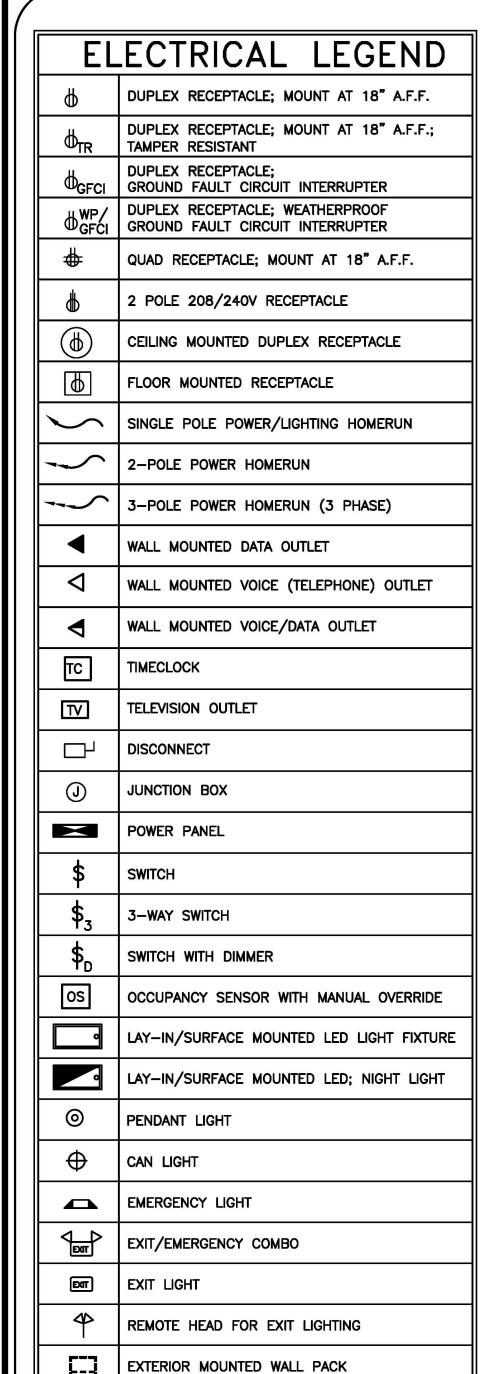


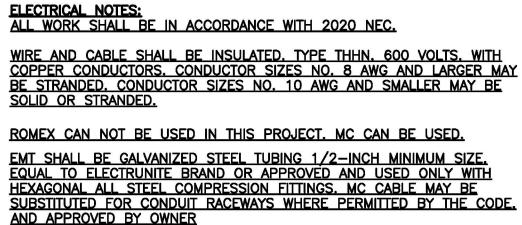
BUILDING COUNTY, NC SUMMARY STORAGE I ODI

TIRADO US 421

BCS







AND APPROVED BY OWNER

PLASTIC CONDUIT SHALL BE RIGID. 3/4—INCH MINIMUM. NONMETALLIC.

HEAVY DUTY. POLYVINYLCHORIDE (PVC). TYPE I WILL BE USED FOR

CONCRETE ENCASEMENT. FITTINGS SHALL BE THE SAME MATERIALS AND

MANUFACTURER AS THE PLASTIC CONDUIT.

FLEXIBLE METAL CONDUIT SHALL BE 1/2-INCH MINIMUM SINGLE STRIP. STEEL, HOT DIPPED GALVANIZED INSIDE AND OUTSIDE, MAXIMUM LENGTH OF 72 INCHES FOR LIGHTING, AND 36 INCHES FOR MOTORS, FLEXIBLE METAL CONDUIT SHALL BE LIQUID TIGHT OR WATER TIGHT WITH PVC JACKET WHERE USED IN DAMP, WET, OR OUTSIDE AREAS, AND LIQUID TIGHT OR WATER TIGHT CONNECTORS SHALL BE USED.

NO RECEPTACLES OR TELEPHONE OUTLETS ARE TO BE MOUNTED BACK TO BACK. KEEP AT LEAST 1 1/2 INCHES BETWEEN RECEPTACLES AND TELEPHONE OUTLETS.

ALL CONDUCTORS SHALL BE COPPER WITH A MINIMUM SIZE OF #12 AWG EXCEPT FOR FIRE ALARM. THESE CONDUCTORS SHOULD COMPLY WITH NFPA REQUIREMENTS.

THE ELECTRICAL CONTRACTOR SHALL ALIGN ALL FIXTURES. SMOKE DETECTORS. CEILING DIFFUSERS. ETC. AS REQUIRED TO PROVIDE A UNIFORM PRESENTATION. FOLLOW THE REFLECTED CEILING PLAN IF PROVIDED

CIRCUIT BREAKERS AND WIRE ARE SIZED FOR SPECIFIC EQUIPMENT.
BEFORE ORDERING WIRE, BREAKERS, FIXTURES, CONDUIT, AND ETC. FOR
THIS PROJECT: THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH
THE OTHER CONTRACTORS ON THE JOB AND VERIFY THE ELECTRICAL DATA
FOR THE EQUIPMENT THAT WILL BE ACTUALLY INSTALLED, RECOMPUTE
WIRE AND BREAKER SIZES IF REQUIRED BY THE NEC.

THE MOUNTING HEIGHTS AND LOCATIONS OF ALL WALL MOUNTED OUTLETS AND JUNCTION BOXES SHALL BE REVIEWED AND COORDINATED WITH THE GENERAL CONTRACTOR AND OWNER PRIOR TO INSTALLATION FOR USE WITH ACTUAL EQUIPMENT.

ALL LIGHT SWITCHES, RECEPTACLES, WALL PLATES, TELEPHONE/COMPUTER OUTLET BOXES, AND, CABLE OUTLET BOXES SHALL BE WHITE.

EACH CONTRACTOR WILL PROVIDE HIS OWN SUPPORT OF ALL DEVICES
AND EQUIPMENT PROVIDED IN HIS CONTRACT AND SHALL SUPPORT SUCH EQUIPMENT PER APPROVED GOVERNING CODES, UNACCEPTABLE WORKMANSHIP OR MATERIALS SHALL BE REPLACED AT THE ELECTRICAL CONTRACTORS EXPENSE.

THE ELECTRICAL CONTRACTOR SHALL REFER TO THE DRAWINGS FOR FLOOR PLAN AND BUILDING ELEVATION DIMENSIONS.

THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH OTHER TRADES INVOLVED IN THIS PROJECT PRIOR TO INSTALLATION OF HIS EQUIPMENT, SO AS TO AVOID CONFLICTS DURING CONSTRUCTION AND ALLOW FOR OPTIMUM WORKING SPACE AND MAINTENANCE. THINK OF OTHER CONTRACTORS AND THEIR REQUIREMENTS IN VERTICAL CHASES AND WALL MOUNT SPACE. ALL CONTRACTORS TO FOLLOW THIS ORDER OF PRIORITY:

1. STORM AND SANITARY SEWER LINES

2. DUCTWORK AND HVAC SYSTEMS
3. HOT AND COLD WATER LINES

4. RIGID CONDUIT

THE ELECTRICAL CONTRACTOR TO ORGANIZE HIS CONDUIT. WIRE. AND CABLE RUNS IN ATTIC SPACES AND ABOVE CEILINGS. MAKE RUNS PARALLEL. PERPENDICULAR. AND GROUPED TOGETHER WHERE POSSIBLE. LOCATE MAJOR GROUPINGS OVER HALLWAYS AND AREAS OF PUBLIC ACCESS. FREE RUNS OF PHONE. TELEVISION. SECURITY. ALARM. AND OTHER CABLES IS NOT ACCEPTABLE.

ALL DISCONNECT SWITCHES AND BREAKER SIZES SHOWN FOR MECHANICAL EQUIPMENT, KITCHEN EQUIPMENT, AND ETC. SHALL BE VERIFIED BEFORE PURCHASE AND INSTALLATION OF SAID EQUIPMENT WITH THE EQUIPMENT SUPPLIER AND MECHANICAL CONTRACTOR.

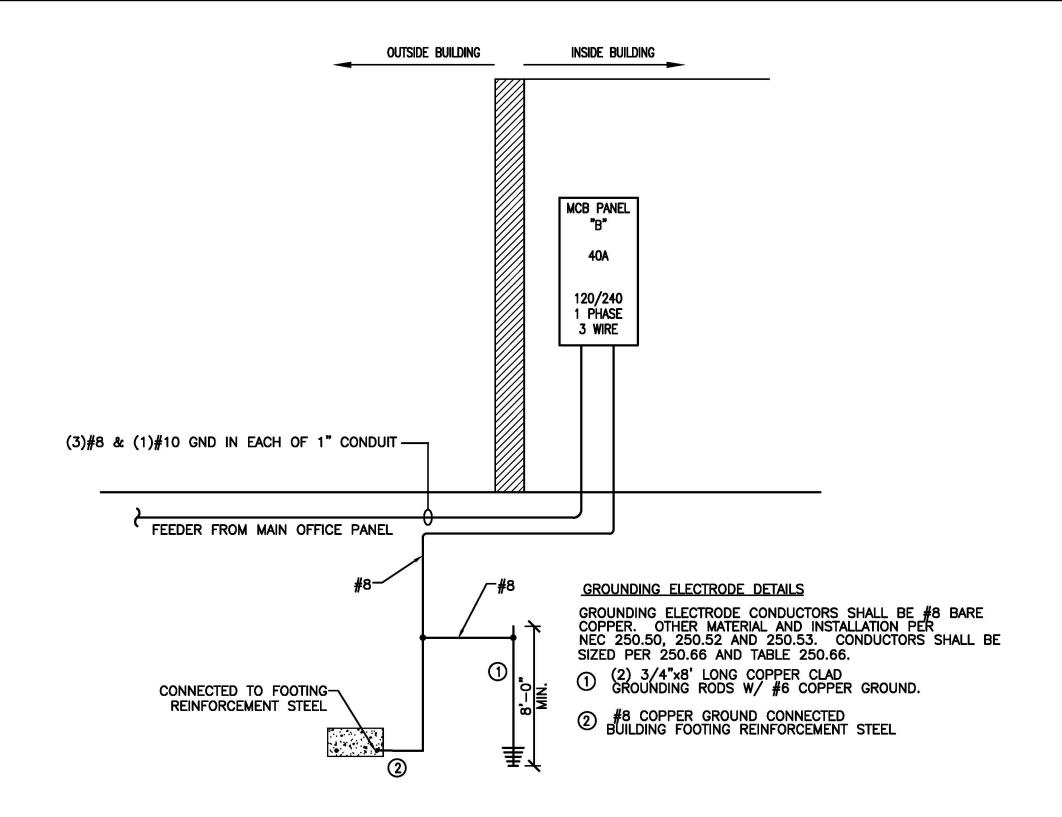
WHERE EQUIPMENT PENETRATES EXTERIOR WALLS OR ROOF, THEY SHALL BE PROPERLY SEALED.

EXHAUST FANS ARE TO BE PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR. AND ELECTRICAL WIRING BY THE ELECTRICAL CONTRACTOR.

THE ELECTRICAL CONTRACTOR SHALL PROVIDE NAMEPLATES FOR IDENTIFICATION OF ALL EQUIPMENT. SWITCHES. PANELS. ETC. THE NAMEPLATES SHALL BE LAMINATED PHENOLIC PLASTIC. BLACK FRONT AND BACK WITH WHITE CORE. WHITE ENGRAVED LETTERS (1/4 INCH MINIMUM) ETCHED INTO THE WHITE CORE. NAME TAGS TO BE MOUNTED WITH SELF—TAPPING SHEET METAL SCREWS.
THE ELECTRICAL CONTRACTOR IS NOT TO SCALE THE DRAWINGS FOR

RECEPTACLES AND LIGHT FIXTURES TO BE INSTALLED. THE DRAWINGS
ARE FOR DIAGRAMMATIC PURPOSES ONLY TO SHOW GENERAL LOCATION.
THE ELECTRICAL CONTRACTOR TO COORDINATE EXACT LOCATION OF
RECEPTACLES AND LIGHT FIXTURES WITH THE GENERAL CONTRACTOR
AND/OR CASEWORK DRAWINGS

AND/OR CASEWORK DRAWINGS.
ALL LIGHT SWITCHES AND RECEPTACLES SHALL BE RATED FOR 20 AMP UNLESS NOTED OTHERWISE.



SU	IR-	PANEL "B"	PHASE: 1				WIF	RE: 3	VOLTS:	240,	/120	MAIN: 40A MCB		
		OFFICE BUILDING PANEL "A"	TYPE:	NEMA	1		МО	UNTING	G: RECE	SSED		ENCLOSURE: TYPE 1		
			SHOR	SHORT CIRCUIT RATING: 10 KA RMS SYM.										
			X	GROUN	ID TER	RMIN	AL I	BAR		X	NEUT	RAL TERMINAL BAR		
PH/ LOA A	ASE DING B	DESCRIPTION	WIRE SIZE	CKT. BKR. TRIP	CKT. NO.	A	В	CKT. NO.	CKT. BKR. TRIP	WIRE SIZE		DESCRIPTION	PH. LOA A	ASE (DIN)
0.10		LIGHT	#12	20/1	1			2	11011			SPACE	-	T
	0.50	RECEPTACLE - EXTERIOR	#12	20/1	3			4				SPACE		1-
_		SPACE			5			6				SPACE	=	
	-	SPACE			7			8				SPACE		1-
_		SPACE			9			10				SPACE	_	
	1	SPACE			11			12				SPACE		_
0.10	0.50		- SUB-	-TOTAL	(kVA)			SUB-	-TOTAL	(kVA)			_	-
	•						T	OTAL (CONNEC	TED LO)AD =	0.60 KVA		
									TOT	AL AM	PS =	2.5 AMP		
												TOTAL OF:	12 SP.	ACE:

POWER RISER DIAGRAM

NOT TO SCALE

	LIGHT FIXTURE SCHEDULE													
TAG	DESCRIPTION	SIZE	MOUNTING	LENS	COLOR	LUMENS	BULB	BALLAST TYPE	HOUSING	VOLTAGE	WATTAGE	MANU/MODEL NUMBER		
A	LED TROFFER	48"X12"	SURFACE	N/A	5000 K	4000	LED	LED DRIVER	STEEL	120	33	LITHONIA NO. SBL4 4000LM 80CRI 50K OR EQUAL		
B	EXTERIOR LED WALL PACK	11" X 6"	SURFACE	N/A	4000 K	1,600	LED	N/A	STEEL	120	18.5	LITHONIA NO. OLWP LED SWW2 120 PE DDB OR EQUAL		

