CARTERET COMMUNITY COLLEGE

WAYNE WEST OFFICE RENOVATION 3713 Arendell St, Morehead City, NC 28557

DESIGN PROFESSIONALS

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VICINITY MAP



mstroud@stroudengineer.com

ROJECT LOCATIO

BIRDS EYE



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GENERAL COVER SHEET G0-01 G0-02 BUILDING CODE SUMMARY G0-03 **UL DETAILS** G1-01 LIFE SAFETY PLAN ARCHITECTURAL A0-01 DEMOLITION PLAN AND RCP SECOND FLOOR PLAN AND FINISH PLAN A1-01 REFLECTED CEILING PLAN A1-20 DOOR SCHEDULE AND DETAILS A5-00 MECHANICAL MECHANICAL DEMOLITION PLAN ELECTRICAL ELECTRICAL COVER SHEET ELECTRICAL SPECIFICATIONS ELECTRICAL DEMOLITION PLAN LIGHTING PLAN E4 FIRE ALARM PLAN

ABBREVIATIONS

0	AT	EID	
ACC			
ACT	ACOUSTICAL CEILING TILE		
ACOUS	ACOUSTIC	EPI	HIGH PERFORMANCE
ACW	ACOUSTICAL WALL PANELS		EPOXY PAINT
ADJ	ADJUSTABLE	EQ	EQUAL
AE	APPROVED EQUAL	EST	EXISTING
AFF	ABOVE FINISH FLOOR	EXT	EXTERIOR
AFL	ATHLETIC FLOORING	EXP	EXPOSED CEILING
AHU	AIR HANDLING UNIT	EWC	ELECTRIC WATER CO
ALB	ALUMINUM BASE	FC	FIRECODE
ALT	ALUMINUM TILE	FD	FLOOR DRAIN
ALUM	AI UMINUM	FFB	FIRE EXSTINGUISHER
ANOD	ANODIZED		BRACKET
ANSI	AMERICAN NATIONAL	FEC	FIRE EXSTINGUISHER
7	STANDARDS INSTITUTE	1 20	CARINET
ΔΤΤΕΝ		FF	
AWE	ACITTLIC WALL FAINLES		
ппт			
BF		FOM	FACE OF MASONRY
BFC	BROOMED FINISHED	FOW	FACE OF WALL
	CONCRETE	FIG	FOOTING
BL	BLINDS	GC	GENERAL CONTRACT
BLDG	BUILDING	GCT	GRANITE COUNTERT
BLKG	BLOCKING	GA	GAGE
BOT	BOTTOM	GALV	GALVANIZED
BFG	BULLET PROOF GLASS	GEN	GENERATOR
CB#	CATCH BASIN	GFT	GRANITE FLOOR TILE
CEM	CEMENTIOUS SIDING	GL	GLASS
CF	CORK FLOORING	GMT	GLASS MOSAIC TILE
CFCI	CONTRACTOR FURNISHED,	GT	GROUT
	CONTRACTOR INSTALLED	GYP	GYPSUM BOARD
CFT	CERAMIC FLOOR TILE		
ĊG	CURVED CEILING GRID	HC	HOLLOW CORE
CI	CASTIRON	HB	HOSE BIB
CI#		HC	HANDICAPP
C.I	CONTROL JOINT	HDWD	HARDWOOD
CLG	CEILING	НМ	HOLLOW METAL
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		IINV	
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		JD JD	
CRC		JB#	JUNCTION BOX
		JI	JUINI
CS	COUNTERSUNK	L	LUNG
CWT		LFI	LINULEUM FLOOR TIL
DET	DETAIL	LP	LIGHT POLE
DEPT	DRY FOG PAINT	LST	LINOLEUM SHEET
DIA	DIAMETER		FLOORING
DISP	DISPENSER	LVT	LUXURY VINYL TILE
DN	DOWN		
DP	DEEP	MATL	MATERIAL
DR	DOOR	MAX	MAXIMUM
DS	DOWNSPOUT	MC	METAL CANOPY
		MCT	METAL CEILING TILE
E/W	EACH WAY	MB	MASONRY - BRICK
EDG	EDGE BANDING	MECH	MECHANICAL
EFS	EMERGENCY FYF WASH AND	MFR	MANUFACTURER
	SHOWER	MFT	MARBI F FI OOR TILF
FFC	EPOXY FLOOR COATING	MIN	MINIMUM
FIES	EXTERIOR INSULATION	MO	
	FINISH SYSTEM	MTR	
			MANDLE HEL DAGE

on On Joint	MTL MWM	METAL METAL WALK-OFF MAT	ST&R
RFORMANCE	MWT	MARBLE WALL TILE	STD SUSP
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	P-LAM P-LAM W	D PLASTIC LAMINATE	TOS TP TVB
FRAME	PC PERF	POLISHED CONCRETE	TYP
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CONTRACTOR	PL PLYWD	PLATE PLYWOOD	U/L
ZED	PNT PP	PAINT POWER POLE	UON
FOR FLOOR TILE	PR PTB	PAIR PORCELAIN TILE BASE	VACT
OSAIC TILE	PTD PTP	PAINTED PLASTIC TOILET	VB
BOARD	PWT	PARTITIONS PORCELAIN WALL TILE	VCT
CORE	PVC	POLYVINYL CHLORIDE	VERT VIF
B PP	QS QT	QUARTZ SURFACE QUARRY TILE	VWC
OD METAL	QZI		W/
	R R&S	RADIUS ROD AND SHELF	WC WD
G AMETED	RBT		WWF
TION	RD	ROOF DRAIN	WWM
{	RECEPT	RECEPTACLE RECYCLED FLOORING	
ARING	REQD RES	REQUIRED RESILIENT	
N BOX	RM ROW	RUBBER MAT RIGHT OF WAY	
M FLOOR TILE	RSF RTF	RESINOUS FLOORING RESILENT TILE FLOORING	
IE M SHEET	SAT	SPRAYED ACOUSTICAL	
G /INYL TILE	SC	IREATMENT SEALED CONCRETE	
L	SCH SCW	SOHEDULE SOLID CORE WOOD	
	SF	SQUARE FEET	
Y - BRICK	SLS	SOLID SURFACE	
	SP SQ	SQUARE	
LOON TILE	33	STAINLESS STEEL	

SSC STAINED SEALED

CONCRETE

SRT SLIP RESISTANT TILE

MTD MOUNTED

ST	STEEL
ST&R	STAIR TREAD
	RISERS
STD	STANDARD
SUSP	SUSPENDED

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 | E-N | Mail <u>cynthiaj2747@carte</u>
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	ALLOWABLE HEIGHT		
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504.3)	N/A - EXISTING		
ble 504.4)	N/A - EXISTING		
"Shown o	n Plans" quantity is not b	ased on Table 504.3 or	504.4.

	PATING	DETAIL #	DESIGN#		DE01011 #
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SPECIAL APPROVALS

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

2018 NC Administrative Code and Policies

UAL SHOWN ON PLANS	ENERGY SUMMARY ENERGY REQUIREMENTS:	
(%)	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 she if performance method, state the annual energy cost for the standard reference design vs annual energy cost for proposed design.	et. the
	Existing building envelope complies with code: (If checked the remainder of this section is not applicable.)	
	Exempt Building: Provide code or statutory reference:	
	Climate Zone: 3A 4A 5A	
	Method of Compliance: N/A - EXISTING	
	Energy Code Performance Prescriptive ASHRAE 90.1 Performance Prescriptive Other Performance (specify source)	
	THERMAL ENVELOPE (Prescriptive method only)	
	Roof/ceiling Assembly (each assembly)	
.2)	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 (each assembly)	
on egress width (1005.3)	Description of assembly: U-Value of total assembly: R-Value of insulation: Openings (windows or doors with glazing)	
e is provided for	U-Value of assembly: Solar heat gaincoefficient: Projection factor:	
	Walls bolow grade (each assembly)	
	Description of assembly: U-Value of total assembly: R-Value of total assembly:	
7 5)	Floors over unconditioned space (each assembly)	
ms above	Description of assembly: U-Value of total assembly: R-Value of total assembly:	
	Floors slab on grade	
	Description of assembly: U-Value of total assembly: R-Value of insulation: Horizontal/vertical requirement: Slab heated:	

pant load capacity each exit door can accommodate based c each exit door n indicating where fire rated floor/ceiling and/or roof structure i paration ic hardware (1010.1.10) yed egress locks and the amount of delay (1010.1.9.7) ctromagnetic egress locks (1010.1.10)

s or table notes that may have been utilized regarding the item

2018 NC Administrative Code and Policies

	smith sinnett
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS STRUCTURAL DESIGN (PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE) DESIGN LOADS: Importance Factors: Wind (Iw) Snow (Is) Seismic (Ie)	ARCHITECTURE T 919 781 8582 F 919 781 3979 4600 Lake Boone Trail Suite 205 Raleigh, NC 27607
Live Loads: Roof Mezzanine Floor psf psf Ground Snow Load: psf Wind Load: Basic Wind Speed Exposure Category mph (ASCE-7) mph (ASCE-7)	info@smithsinnett.com
SEISMIC DESIGN CATEGORY: A B C D Provide the following Seismic Design Parameters: Risk Category (Table 1604.5) I II II IV Spectral Response AccelerationSs %g S1 %g S1 %g Site Classification (ASCE 7) A B C D E F Data Source: Field Test Presumptive Historical Data Basic structural system(check one) Bearing Wall Dual w/Special Moment Frame Building Frame Dual w/Intermediate R/C or Special Steel Moment Frame Inverted Pendulum Analysis Procedure: Simplified Equivalent Lateral Force Dynamic Architectural, Mechanical, Components anchored? Yes No LATERAL DESIGN CONTROL: Earthquake Wind Source	BID DRAMINGS
Soil BEARING CAPACITIES. Field Test (provide copy of test report)	This drawing and the design shown is the property of Smith Sinnett Architecture, P.A. the reproduction or use of this property without the written consent of the Architect is prohibited. Any infringement of the ownership rights will be subject to legal action. All copies of this drawing must be returned to the Architect at the completion of the contract. Smith Sinnett Architecture, P.A. 2024 THIS DRAWING IS FORMATTED TO BE PRINTED ON A 24" X 36" SHEET
Winter dry bulb: Summer dry bulb: Interior design conditions Winter dry bulb: Summer dry bulb: Summer dry bulb: Relative humidity: Building heating load: Image: Building cooling load: Mechanical Spacing Conditioning System Unitary Description of unit: Heating efficiency: Cooling efficiency: Size category of unit: Boiler Size category If oversized, state reason.: Chiller Size category If oversized, state reason.: List equipment efficiencies:	Y COLLEGE FICE RENOVATION orehead City, NC 28557
2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS ELECTRICAL DESIGN (PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE) ELECTRICAL SUMMARY ELECTRICAL SYSTEM AND EQUIPMENT Method of Compliance: Peregy Code: Performance ASHRAE 90.1: Prescriptive Performance SEE ELECTICAL SHEETS Lighting schedule (each fixture type) Lamp type required in fixture Number of ballasts in fixture Ballast type used in the fixture Number of ballasts in fixture Ballast type used in the fixture Total wattage specified vs. allowed (whole building or space by space) Total interior wattage specified vs. allowed Additional Efficiency Package Options (When using the 2018 NCECC; not required for ASHRAE 90.1) C06.2 More Efficient HVAC Equipment Performance	CARTERET COMMUNIT CARTERET COMMUNIT CARTERET COMMUNIT CARTERET COMMUNIT Date Date Description
2018 NC Administrative Code and Policies	DRAWN BY: BS, L CHECKED BY: LC, R BUILDING CODE SUMMARY



1. Floor and Ceiling Runners — (Not shown) — For use with Item 2 - Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min depth to accommodate stud size, with min 1-1/4 in. long legs, attached to floor and ceiling with fasteners 24 in. OC max.

1A. Framing Members* - Floor and Ceiling Runners — Not shown - In lieu of Item 1 — For use with Item 2A, proprietary channel shaped, min. 3-5/8 in. deep, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. OC max. Effective thickness is 0.034 in.

CLARKWESTERN BUILDING SYSTEMS INC — UltraSTEEL®

DIETRICH INDUSTRIES INC — UltraSTEEL®.

1B. Framing Members* - Floor and Ceiling Runners — (Not shown - In lieu of Item 1) — For use with Item 2A. proprietary channel shaped, min, 2-1/2 in. deep, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, attached to floor and ceiling fasteners 24 in. OC. max. Effective thickness is 0.034 in.

CLARKWESTERN BUILDING SYSTEMS INC — UltraSTEEL®

DIETRICH INDUSTRIES INC — UltraSTEEL®.

1C. Framing Members* - Floor and Ceiling Runner - Not shown - In lieu of Item 1 - For use with Item 2C, proprietary channel shaped runners, 3-5/8 in. deep attached to floor and ceiling with fasteners 24 in. OC max. CALIFORNIA EXPANDED METAL PRODUCTS CO — ViperTrack™

CRACO MFG INC — SmartTrack™

MARINO\WARE A DIV OF WARE INDUSTRIES

INC — Viper25[™] Track

MARINO\WARE A DIV OF WARE INDUSTRIES **INC** — Viper20S[™] Track, Viper20D[™] Track

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME Framing System

1F. Floor and Ceiling Runners — (Not shown)—For use with Item 2B- Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, min depth to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners spaced max 24 in. OC. 1G. Framing Members*- Floor and Ceiling Runners - (Not shown, As an alternate to Item 1) - For use with Item 2F and 5F or 5G only. channel shaped. fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. OC. max. **CLARKWESTERN BUILDING SYSTEMS INC** — CW ProTRAK

DIETRICH INDUSTRIES INC — DIETRICH ProTRAK

DMFCWBS L L C — ProTRAK

1H. Framing Members* - Floor and Ceiling Runner — Not shown - In lieu of Item 1 — For use with Item 2G, proprietary channel shaped runners, minimum width to accommodate stud size, with 1-1/8 in. long legs fabricated from min 0.015 in. (min bare metal thickness) galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

SUPER STUD BUILDING PRODUCTS — The Edge

Studs to be cut 3/8 to 3/4 in. less than assembly height.

2A. Framing Members* - Steel Studs — In lieu of Item 2 - Proprietary channel shaped studs, min. depth as indicated under Item 5, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height. Allowable use of studs is shown in the table below. For direct attachment of gypsum board only. Effective thickness is 0.034 in. **CLARKWESTERN BUILDING SYSTEMS INC** — UltraSTEEL®

DIETRICH INDUSTRIES INC — UltraSTEEL®.

2B. Steel Studs — (As an alternate to Item 2, For use with Items 5B & 5E) Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, 3-1/2 in. min depth, spaced a max of 16 in. OC. Studs friction-fit into floor and ceiling runners. Studs to be cut 5/8 to 3/4 in. less than assembly height. 2C. Framing Members* - Steel Studs — (As an alternate to Item 2, For use with Item 5C) - Proprietary channel shaped studs, 3-5/8 in. deep spaced a max

For direct attachment of gypsum board only.

CALIFORNIA EXPANDED METAL PRODUCTS CO — ViperStud ™

CRACO MFG INC — SmartStud™

MARINO\WARE A DIV OF WARE INDUSTRIES **INC** — Viper25[™]

2D. Framing Members* - Metal Studs — Not shown - In lieu of Item 2 — For use with Item 1D, proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max if 24 in. OC, fabricated from min 0.020 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights.

MARINO\WARE A DIV OF WARE INDUSTRIES

INC — Viper20S[™], Viper20D[™]

2E. Framing Members*— Steel Studs — In lieu of Item 2 - For Use with Item 1E- Channel shaped studs, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height. SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME Framing System

2F. Framing Members*— Steel Studs — (Not shown, As an alternate to Item 2) — For use with Item 1G and 5F or 5G only, channel shaped studs, min depth as indicated under Item 5F, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

CLARKWESTERN BUILDING SYSTEMS INC - CW ProSTUD **DIETRICH INDUSTRIES INC** - DIETRICH ProSTUD

DMFCWBS L L C - ProSTUD

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Design No. U419

November 09, 2009

1D. Framing Members* - Floor and Ceiling Runner — Not shown - In lieu of Item 1 — For use with Item 2D, proprietary channel shaped runners, 1-1/4 in. wide by 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

1E. Framing Members*— Floor and Ceiling Runners — (Not shown) — In lieu of Item 1 - Channel shaped, attached to floor and ceiling with fasteners 24 in.

2. Steel Studs — Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC.

of 24 in. OC. Studs to be cut 3/4 in less than the assembly height and installed with a ½ in. gap between the end of the stud and track at the bottom of the wall.

2G. Framing Members* - Metal Studs - Not shown - In lieu of Item 2 - For use with Item 1H, proprietary channel shaped steel studs, minimum width indicated under Item 5, 1-1/4 in. deep fabricated from min 0.015 in. (min bare metal thickness) galvanized steel. Studs 3/8 in. to 3/4 in. less in lengths than assembly

SUPER STUD BUILDING PRODUCTS — The Edge

3. Wood Structural Panel Sheathing — (Optional, For use with Item 5 Only.)- (Not Shown) - 4 ft wide, 7/16 in. thick oriented strand board (OSB) or 15/32 in. thick structural 1 sheathing (plywood) complying with DOC PS1 or PS2, or APA Standard PRP-108, manufactured with exterior glue, applied horizontally or vertically to the steel studs. Vertical joints centered on studs, and staggered one stud space from wallboard joints. Attached to studs with flat-head self-drilling tapping screws with a min. head diam. of 0.292 in. at maximum 6 in. OC. in the perimeter and 12 in. OC. in the field. When used, fastener lengths for gypsum panels increased by min. 1/2 in.

4. Batts and Blankets* — (Required as indicated under Item 5) — Mineral wool batts, friction fitted between studs and runners. Min nom thickness as indicated under Item 5. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.

4A. Batts and Blankets* — (Optional) — Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.

5. Gypsum Board* — Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows:

Gypsum Board Protection on Each Side of Wall

Rating, Hr	Min Stud Depth in Items 2, 2E, and 2G	Min Stud Depth in. Item 2A	No. of Layers & Thkns of Panel	Min Thkns of Insulation(item 4)
1	3-1/2	3-5/8	1 layer, 5/8 in. thick Optional	
1	2-1/2	3-5/8	1 layer, 1/2 in. thick 1-1/2 in.	
1	1-5/8	3-5/8	1 layer, 3/4 in. thick Optional	
2	1-5/8	2-1/2	2 layers, 1/2 in. thick	Optional
2	1-5/8	2-1/2	2 layers, 5/8 in. thick	Optional
2	3-1/2	3-5/8	1 layer, 3/4 in. thick 3 in.	
3	1-5/8	2-1/2	3 layers, 1/2 in. thick	Optional
3	1-5/8	2-1/2	2 layers, 3/4 in. thick	Optional
3	1-5/8	2-1/2	3 layers, 5/8 in. thick	Optional
4	1-5/8	2-1/2	4 layers, 5/8 in. thick	Optional
4	1-5/8	2-1/2	4 layers, 1/2 in. thick	Optional
4	2-1/2	2-1/2	2 layers, 3/4 in. thick	2 in.

CANADIAN GYPSUM COMPANY - 1/2 in. thick Type C, IP-X2 or IPC-AR; WRC, 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX or WRC; 3/4 in. thick Types IP-X3 or ULTRACODE

UNITED STATES GYPSUM CO — 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type SCX, SHX, WRX, IP-X1, AR, C, WRC, FRX-G, IP-AR, IP-X2, IPC-AR; 3/4 in. thick Types IP-X3 or ULTRACODE

USG MEXICO S A DE C V — 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, WRC or; 3/4 in. thick Types IP-X3 or ULTRACODE

When Item 7B, Steel Framing Members*, is used, Nonbearing Wall Rating is limited to 1 Hr. Min. stud depth is 3-1/2 in., min. thickness of insulation (Item 4) is 3 in., and two layers of gypsum board panels (1/2 in, or 5/8 in, thick) shall be attached to furring channels as described in Item 6. One layer of gypsum board panels (1/2 in. or 5/8 in. thick) attached to opposite side of stud without furring channels as described in Item 6.

5A. Gypsum Board* — (As an alternate to Item 5) — 5/8 in. thick, 24 to 54 in. wide, applied horizontally as the outer layer to one side of the assembly. Secured as described in Item 6. CANADIAN GYPSUM COMPANY — Type SHX.

UNITED STATES GYPSUM CO — Type FRX-G, SHX.

USG MEXICO S A DE C V — Type SHX.

5B. Gypsum Board* — (Not Shown) - As an alternate to Item 5 when used as the base layer on one or both sides of wall when 5/8 in or ¾ in. thick products are specified. For direct attachment only to steel studs Item 2B, (not to be used with Item 3) - Nom 5/8 in. or 3/4 in. may be used as alternate to all 5/8 in. or 3/4 in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 in. or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Gypsum board secured to 20 MSG steel studs Item 2B with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. To be used with Lead Batten Strips (see Item 11) or Lead Discs or Tabs (see Item 12).

RAY-BAR ENGINEERING CORP — Type RB-LBG

5C. Gypsum Board* — (For Use With Item 2C) Rating Limited to 1 Hour. 5/8 in. thick, 48 in. wide, Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. (Vertical Application) - The gypsum board is to be installed on each side of the studs with 1 in. long Type S coated steel screws spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 6 in. from the edge of the board at the center of each board. Gypsum boards are to be secured to the top and bottom track with screws spaced 8 in. OC starting 4 in. from the board edge. Fasteners shall not penetrate through both the stud and the track at the same time. Vertical joints are to be centered over studs and staggered one stud cavity on opposite sides of studs. (Horizontal Application) - The gypsum board is to be installed on each side of the studs with 1 in. long Type S coated steel screws spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 6 in. from the edge of the board at the center of each board. Gypsum boards are to be secured to the top and bottom track with screws spaced 8 in. OC starting 4 in. from the board edge. Fasteners shall not penetrate through both the stud and the track at the same time. All horizontal joints are to be backed as outlined under section VI of Volume 1 in the Fire Resistive Directory.

CANADIAN GYPSUM COMPANY — Type SCX.

UNITED STATES GYPSUM CO — Type SCX.

USG MEXICO S A DE C V — Type SCX.

5D. Gypsum Board* — (As an alternate to Item 5) — 5/8 in. thick, 48 in. wide, applied vertically or horizontally. Secured as described in Item 6. For use with Items 1 and 2 only.

UNITED STATES GYPSUM CO — Type USGX.

5E. Gypsum Board* — (Not Shown) - (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 1/2 in. or 5/8 in thick products are specified, For direct attachment only to steel studs Item 2B, not to be used with Item 3). Nominal 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 (or No. 6 by 1-1/4 in. long bugle head fine driller) steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.

NEW ENGLAND LEAD BURNING CO INC, DBA

NELCO — Nelco

5F. **Gypsum Board*** — (As an alternate to Item 5) — For use with Items 1G and 2F and limited to 1 Hour Rating only, Gypsum panels with beveled, square or tapered edges, applied vertically, as specified in the table below. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Steel stud depth shall be a minimum 3-5/8 in.

UNITED STATES GYPSUM CO — Type SCX.

5G. **Gypsum Board*** — (As an alternate to Item 5) — For use with Items 1G and 2F only, Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally, as specified in the table below. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers for the 2 hr, 3 hr and 4 hr ratings are as follows:

Gypsum Board Protection on Each Side of Wall

Rating, Hr	Min Stud Depth in Items 2F	No. of Layers & Thkns of Panel	Min Thkns of Insulation (item 4)
2	1-5/8	2 layers, 1/2 in. thick	Optional
2	1-5/8	2 layers, 5/8 in. thick	Optional
3	1-5/8	3 layers, 1/2 in. thick	Optional
3	1-5/8	3 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 1/2 in. thick	Optional

CANADIAN GYPSUM COMPANY — 1/2 in. thick Type C, IP-X2 or IPC-AR;, 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, or; 3/4 in. thick Types IP-X3 or ULTRACODE

UNITED STATES GYPSUM CO — 1/2 in. thick Type C, IP-X2, IPC-AR or; 5/8 in. thick Type SCX, SHX, IP-X1, AR, C, , FRX-G, IP-AR, IP-X2, IPC-AR; 3/4 in. thick Types IP-X3 or ULTRACODE

USG MEXICO S A DE C V — 1/2 in. thick Type C, IP-X2, IPC-AR or; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, or; 3/4 in. thick Types IP-X3 or ULTRACODE

6. Fasteners — (Not shown) — For use with Items 2 and 2F - Type S or S-12 steel screws used to attach panels to studs (Item 2) or furring channels (Item 7). Single layer systems: 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 8 in. OC when panels are applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. Two layer systems: First layer-1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels or 2-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC with screws offset 8 in. from first layer. Threelayer systems: First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in., 5/8 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below. Four-layer systems: First layer-1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 24 in. OC. Fourth layer- 2-5/8 in. long for 1/2 in. thick panels or 3 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below.

6A. Fasteners — (Not shown) — For use with Item 2A - Type S or S-12 steel screws used to attach panels to studs (Item 2A). Single layer systems: 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 8-1/2 in. OC with additional screws 1 in. and 2-1/2 in. from edges of the board when panels are horizontally. or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. Two layer systems applied vertically: First layer- 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels or 2-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC with screws offset 8 in. from first layer. Two layer systems applied horizontally: First layer-1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC starting 8 in. from each edge of the board with an additional screw placed 1-1/4 in. from each edge of the board. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels or 2-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC starting 8 in. from each edge of the board with an additional screw placed 1-1/4 in. from each edge of the board with screws offset 8 in. from first layer. Three-layer systems: First layer-1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in., 5/8 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below. For all layers, an additional screw shall be placed 1-1/4 in. from each edge of the board. Four-layer systems: First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 24 in. OC. Fourth layer- 2-5/8 in. long for 1/2 in. thick panels or 3 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below. For all layers, an additional screw shall be placed 1-1/4 in. from each edge of the board.

7. Furring Channels — (Optional, not shown, for single or double layer systems) — Resilient furring channels fabricated from min 25 MSG corrosion-protected steel, spaced vertically a max of 24 in. OC. Flange portion attached to each intersecting stud with 1/2 in. long Type S-12 steel screws. Not for use with Item 5A and 5E.

7A. Framing Members* — (Not Shown) — (Optional on one or both sides, not shown, for single or double layer systems) — As an alternate to Item 7, furring channels and Steel Framing Members as described below:

a. Furring Channels — Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A and 5E.

b. Steel Framing Members* — Used to attach furring channels (Item 7Aa) to studs (Item 2). Clips spaced max. 48 in. OC. RSIC-1 clips secured to studs with No. 8 x 1-1/2 in. minimum selfdrilling, S-12 steel screw through the center grommet. RSIC-V clips secured to studs with No. 8 x 9/16 in. minimum self-drilling, S-12 steel screw through the center hole. Furring channels are friction fitted into clips.

PAC INTERNATIONAL INC — Types RSIC-1, RSIC-V.

7B. Framing Members* — (Optional, Not Shown) — As an alternate to Item 7, for single or double layer systems, furring channels and Steel Framing Members on only one side of studs as described below: a. Furring Channels — Formed of No. 25 MSG galv steel, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Batts and Blankets placed in stud cavity as described in Item 5. Two layers of gypsum board attached to furring channels as described in Item 5. Not for use with Item 5A and 5E.

b. Steel Framing Members* — Used to attach furring channels (Item 7Ba) to one side of studs (Item 2) only. Clips spaced 48 in. OC., and secured to studs with two No. 8 x 2-1/2 in. coarse drywall screws, one through the hole at each end of the clip. Furring channels are friction fitted into clips.

KINETICS NOISE CONTROL INC — Type Isomax

7C. Framing Members* — Optional - Not Shown - Used as an alternate method to attach resilient channels (Item 7). Clips attached at each intersection of the resilient channel and the steel studs (Item 2). Resilient channels are friction fitted into clips, and then clips are secured to the steel stud with min. 1 in. long Type S-12 steel screws through the center hole of the clip and the resilient channel flange

KEENE BUILDING PRODUCTS CO INC — Type RC Assurance.

8. Joint Tape and Compound — Vinyl or casein, dry or premixed joint compound applied in two coats to joints and screw heads of outer layers. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer layer panels. Paper tape and joint compound may be omitted when gypsum panels are supplied with a square

9. Siding, Brick or Stucco — (Optional, not shown) — Aluminum, vinyl or steel siding, brick veneer or stucco, meeting the requirements of local code agencies, installed over gypsum panels. Brick veneer attached to studs with corrugated metal wall ties attached to each stud with steel screws, not more than each sixth course of brick.

10. Caulking and Sealants* — (Optional, not shown) — A bead of acoustical sealant applied around the partition perimeter for sound control.

UNITED STATES GYPSUM CO — Type AS

11. Lead Batten Strips — (Not Shown, For Use With Item 5B) - Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5B) and optional at remaining stud locations. Required behind vertical joints.

12. Lead Discs or Tabs — (Not Shown, For Use With Item 5B) - Used in lieu of or in addition to the lead batten strips (Item 11) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 5B) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

13. Lead Batten Strips - (Not Shown, For Use With Item 5E) Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.142 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5E) and optional at remaining stud locations.

14. Lead Tabs — (Not Shown, For Use With Item 5E) 2 in. wide, 5 in. long with a max thickness of 0.142 in. Tabs friction-fit around front face of stud, the stud folded back flange, and the back face of the stud. Tabs required at each location where a screw (that secures the gypsum boards, Item 5E) will penetrate the steel stud. Lead tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f. Grade "C". Lead tabs may be held in place with standard adhesive tape if necessary.

*Bearing the UL Classification Mark

ARCHITECTURE









GENERAL DEMOLITION NOTES:

- ALL CONDITIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR WHERE DEMOLITION IS TO OCCUR. THE CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY INCONSISTANCIES IN WRITING PRIOR TO STARTING ANY WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR WEEKLY AND/OR DAILY REMOVAL AND PROPER DISPOSAL OF ALL DEBRIS ACCUMULATED DURING DEMOLITION AND CONSTRUCTION.
- ANY FLOOR, CEILING, WALL OR OTHER MATERIALS INCLUDING FINISHES IN AREAS TO REMAIN ARE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT. ANY MATERIALS DAMAGED DURING CONSTRUCTION OR DEMOLITION, SHALL BE RETURNED TO THEIR ORIGINAL STATE, OR IMPROVED AS INDICATED BY THE OWNER OR ARCHITECT, OR REPLACED WITH A NEW MATERIAL TO MATCH ADJACENT MATERIALS, TYPICAL.
- CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING SURFACES TO REMAIN AND MATERIALS EXPOSED TO VIEW WHERE OTHER ITEMS OR MATERIALS HAVE BEEN REMOVED.
- REFER TO PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL AND COMPLETE SCOPE OF DEMOLITION THAT MAY OR MAY NOT BE NOTED ON THE ARCHITECTURAL DEMOLITION PLAN AND NOTES.
- ALL WALLS SHALL BE REPAIRED, AND VOIDS FILLED AFTER FIXTURE REMOVAL. ALL FINISHES SHALL MATCH ADJACENT SURFACES. REMOVE ALL FOREIGN MATTER, SHELVING, LOOSE DEBRIS INCLUDING TAPE, ADHESIVE, NAILS, SCREWS, ETC. FROM WALLS. SCRAPE, WIRE BRUSH, AND SAND SMOOTH. WASH ALL PAINTED SURFACES TO REMOVE ANY "FILM OR RESIDUE". PREPARE SURFACES TO PROVIDE A MAXIMUM DEGREE OF NEW PAINT ADHESION. PATCH AND REPAIR ALL VOIDS IN PREPARATION FOR NEW FINISHES.
- ALL FIXTURES, WALLS AND PORTIONS OF WALLS SHOWN AS DASHED LINES OR LABELED SHALL BE DEMOLISHED UNLESS ELEMENTS REMOVED OR REPLACED. CONTRACTOR SHALL PROVIDE ADEQUATE SHORING AND BRACING AND IS RESPONSIBLE FOR ANY FAILURE DUE TO LACK OF PROPER BRACING.
- DURING THE BIDDING PROCESS, CONTRACTORS SHALL TAKE NOTE OF EXISTING PLUMBING MECHANICAL, AND ELECTRICAL ITEMS IN AREAS TO BE RENOVATED. ITEMS INCLUDE BUT ARE NOT LIMITED TO WIRES, CONDUITS, PIPES, THERMOSTATS, FIRE ALARM DEVICES, PANEL CANS, ETC. THESE HAVE BEEN IDENTIFIED IN THE DEMOLITION DRAWINGS FOR ARCHITETURE, PLUMBING, MECHANICAL, AND/OR ELECTRICAL. FOR ITEMS NOT SHOWN, CONTRACTOR SHALL WORK WITH THE ARCHITECT AND OWNER TO DETERMINE IF THE ITEM IS STILL IN USE ITEMS WHICH ARE NOTED TO BE REMOVED AND STORED FOR LATER REINSTALLATION SHALL BE TAGGED AND LISTED ON AN ITEMIZED LIST GIVEN TO THE OWNER AND ARCHITECT.
- THE GENERAL CONTRACTOR SHALL COORDINATE THE DEMOLITION OF THE EXISTING BUILDING AREAS WITH THE ARCHITECT AND OWNER. THE CONTRACTOR SHALL COORDINATE AFTER HOURS WORK AND OBTAIN WRITTEN OWNER PERMISSION FOR NIGHT AND WEEKEND WORK.
- 10. CONTRACTOR SHALL ENSURE WATER-TIGHT INTEGRITY OF THE TEMPORARY ENCLOSURE SYSTEMS AND MAINTAIN THEM THROUGH THE ENTIRETY OF CONSTRUCTION TO PREVENT THE INTRUSION OF WATER AND THE ELEMENTS INTO THE BUILDING.
- 1. ALL EXISTING FIRE EXTINGUISHER AND BRACKETS SHALL REMAIN AND BE INSTALLED IN THEIR CURRENT LOCATION UNLESS SHOWN ON THE PLANS TO RELOCATE.
- 12. CONTRACTOR SHALL PATCH AND FILL IN ANY VOIDS LEFT FROM THE DEMOLITION OF ANY PLUMBING, MECHANICAL, OR ELECTRICAL ITEMS. REFER TO PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR COMPLETE SCOPE OF DEMOLITION.

DEMOLITION LEGEND:						
SYMBOL	DESCRIPTION					
#	DEMOLITION KEYED NOTE					
	EXISTING TO REMAIN					
	EXISTING TO BE REMOVED DURING DEMOLITION					
	NOT IN SCOPE					

)	LITION NOTES:
	REMOVE EXISTING WALL, FRAMING, AND ASSOCIATED PARTS IN ITS ENTIRETY. ASSOCIATED PARTS INCLUDE BUT NOT LIMITED TO DOOR, DOOR FRAME, HARDWARE, TRACK AND SUPPORTS. PREPARE SURROUNDING AREA TO RECEIVE NEW FINISH SPECIFIED OR IF NO FINISH IS SPECIFIED MATCH EXISTING. REFER TO ASBESTOS REMOVAL DESIGN AND SPECIFICATIONS FOR INSTRUCTIONS ON THE ASBESTOS WALL PANEL REMOVAL.
	REMOVE EXISTING DOOR, FRAME, TRANSOM (IF APPLICABLE) & HARDWARE IN ITS ENTIRETY. PREPARE EXISTING WALL TO BE INFILLED TO MATCH EXISTING AND MAINTAIN FIRE BARRIER.
	REMOVE EXISTING WINDOW, GLAZING, BLINDS, FRAME AND ITS ASSOCIATED PARTS IN ITS ENTIRETY.
	REMOVE EXISTING DOOR AND HARDWARE TO BE REPLACED. EXISTING DOOR FRAME TO REMAIN.
	FIELD VERIFY AND REMOVE EXISTING CEILING - LAY-IN TILE, GRID, HANGERS AND ASSOCIATED PARTS IN ITS ENTIRETY. PREP AREA TO RECEIVE NEW CEILING.
	FIELD VERIFY AND REMOVE EXISTING LIGHT FIXTURES AND MECHANICAL DIFFUSERS. REPLACE WITH NEW LIGHT FIXTURES AND MECHANICAL DIFFUSERS. FIXTURES SHOWN ARE DIAGRAMMATIC ONLY. REFER TO ELECTRICAL AND MECHANICAL FOR COMPLETE SCOPE OF DEMOLITION.

VERIFY, REMOVE, AND PROTECT EXISTING AV EQUIPMENT AND TURN

OVER TO THE OWNER.









PLAN LEGEND

SYMBOL DESCRIPTION NOT IN SCOPE EXISTING NEW WORK _____ NOTES:

- ALL INTERIOR WALL TYPES TO BE 'S4AP' UNLESS OTHERWISE NOTED. WALL DIMENSIONS ARE TO FACE OF METAL STUD, FACE OF CONCRETE MASONRY UNIT (CMU),
- OR CENTERLINE OF COLUMN. ALL RATED WALL CONSTRUCTION TO COMPLY W/ UL REQUIREMENTS.
- ALL WALLS EXTEND TO DECK AND ARE BRACED TO DECK AT HEAD ON ALTERNATE STUDS OR 32" OC FOR CMU WALLS, UNLESS OTHERWISE NOTED.
- CONTROL JOINTS SHALL BE AS SHOWN ON PLANS AND ELEVATIONS OR SPACED AT A MINIMUM OF 20'-0" OC AND A MAXIMUM OF 32'-0" OC WITH ONE CONTROL JOINT LOCATED
- WITHIN 3'-4" OF ANY CORNER. FOR INTERIOR GYPSUM WALL CONTROL JOINTS SEE DETAIL
- SEE FINISH SCHEDULE FOR WALL, FLOOR, BASE, AND CEILING TYPES AND FINISHES.
- ALL COLUMN CHASES TO HAVE GYP BOARD ON ROOM SIDE OF WALL, TYPICAL UNLESS OTHERWISE NOTED.
- ALL EXTERIOR WINDOWS TO HAVE ROLLER SHADE BLINDS UNLESS OTHERWISE NOTED
- REFER TO SPECIFICATIONS. FURNITURE AND EQUIPMENT SHOWN DASHED ON PLANS IS NOT IN CONTRACT (NIC). GC TO
- PROVIDE WOOD BLOCKING FOR ALL WALL/CEILING MOUNTED ACCESSORIES. 10. DOOR JAMB FROM INTERSECTING WALLS: STUD- 4" UNLESS OTHERWISE NOTED







NOTES:			REFLECTED	CEILI	NG LEGEND AND NOTES
 ALL INTERIOR WALL TYPES TO BE 'S4AP' UNLESS OTHERWISE NOTED. WALL DIMENSIONS ARE TO FACE OF METAL STUD, FACE OF CONCRETE MASONRY UNIT (CMU), OR CENTERLINE OF COLUMN. ALL RATED WALL CONSTRUCTION TO COMPLY W/ UL REQUIREMENTS. ALL WALLS EXTEND TO DECK AND ARE BRACED TO DECK AT HEAD ON ALTERNATE STUDS OR 32" OC FOR CMU WALLS. UNLESS OTHERWISE NOTED. 			A 1	0'-0"	– CEILING TYPE – CEILING HEIGHT
5. CONTROL JC	INTS SHALL BE AS SHOWN ON PLANS AND ELEVATIONS OR SPACED AT A		SYMBOL	TYPE	DESCRIPTION
 MINIMUM OF 20'-0" OC AND A MAXIMUM OF 32'-0" OC WITH ONE CONTROL JOINT LOCATED WITHIN 3'-4" OF ANY CORNER. FOR INTERIOR GYPSUM WALL CONTROL JOINTS SEE DETAIL SEE FINISH SCHEDULE FOR WALL, FLOOR, BASE, AND CEILING TYPES AND FINISHES. ALL COLUMN CHASES TO HAVE GYP BOARD ON ROOM SIDE OF WALL, TYPICAL UNLESS OTHERWISE NOTED. ALL EXTERIOR WINDOWS TO HAVE ROLLER SHADE BLINDS UNLESS OTHERWISE NOTED, 				A	ACT-1, 2x2 CEILING TILE, WHITE FINISH
). FURNITURE	AND EQUIPMENT SHOWN DASHED ON PLANS IS NOT IN CONTRACT (NIC). GC TO		SYMBOL		DESCRIPTION
PROVIDE WOOD BLOCKING FOR ALL WALL/CEILING MOUNTED ACCESSORIES. 10. DOOR JAMB FROM INTERSECTING WALLS: STUD- 4" UNLESS OTHERWISE NOTED					2 X 4 LED FIXTURE
PLAN LEGE	ND				RETURN AIR GRILLE
SYMBOL	DESCRIPTION				
	NOT IN SCOPE				SUPPLY AIR DIFFUSER
	EXISTING		TV		EXISTING CEILING MOUNTED TV
			0		EXISTING CAN STYLE FIXTURE
					EXISTING OVERHEAD FIXTURE

N	OTES:			REFLECTED) CEILI	ING
1. 2. 3. 4.	ALL INTERIOR W WALL DIMENSION OR CENTERLINE ALL RATED WALL ALL WALLS EXTE 32" OC FOR CMU	ALL TYPES TO BE 'S4AP' UNLESS OTHERWISE NOTE IS ARE TO FACE OF METAL STUD, FACE OF CONCR OF COLUMN. CONSTRUCTION TO COMPLY W/ UL REQUIREMENT ND TO DECK AND ARE BRACED TO DECK AT HEAD WALLS, UNLESS OTHERWISE NOTED	ED. ETE MASONRY UNIT (CMU), TS. ON ALTERNATE STUDS OR	A	10'-0"	— CI — CI
5.	CONTROL JOINT	S SHALL BE AS SHOWN ON PLANS AND ELEVATION	S OR SPACED AT A	SYMBOL	TYPE	DE
6. 7. 8.	MINIMUM OF 20- WITHIN 3'-4" OF A SEE FINISH SCHI ALL COLUMN CH OTHERWISE NOT ALL EXTERIOR W	" OC AND A MAXIMUM OF 32'-0" OC WITH ONE CON NY CORNER. FOR INTERIOR GYPSUM WALL CONTF DULE FOR WALL, FLOOR, BASE, AND CEILING TYPI ASES TO HAVE GYP BOARD ON ROOM SIDE OF WAL ED. INDOWS TO HAVE ROLLER SHADE BLINDS UNLESS	TROL JOINT LOCATED ROL JOINTS SEE DETAIL ES AND FINISHES. L, TYPICAL UNLESS OTHERWISE NOTED,		A	ACT
9.	FURNITURE AND	EQUIPMENT SHOWN DASHED ON PLANS IS NOT IN	CONTRACT (NIC). GC TO	SYMBOL		DE
10.	PROVIDE WOOD DOOR JAMB FRO	BLOCKING FOR ALL WALL/CEILING MOUNTED ACCE M INTERSECTING WALLS: STUD- 4" UNLESS (SSORIES. DTHERWISE NOTED			2 X
PL	AN LEGENI)				RET
SI	MBOL	DESCRIPTION				
		NOT IN SCOPE				SUF
		EXISTING		TV		EXI
		NEW WORK		0		EXI
						EXI



COMPLETE SCOPE OF CEILING PENETRATIONS AND FIXUTRES. 2. REFER TO PROJECT SPECIFICATIONS FOR COMPLETE DESCRIPTION OF CEILING MATERIAL

SM ett sinn ARCHITECTURE

T 919 781 8582



CARTERET COMMUNITY COLLEGE	WAYNE WEST OFFICE RENOVATION for the reproduction or use of this property without the written consent of the Architect is prohibited. Any infringement of the ownership rights will be subject to	legal action. All copies of this drawing must be returned to the Architect at the completion of the contract.	3713 Arendell St, Morehead City, NC 28557	THIS DRAWING IS FORMATTED TO BE PRINTED ON A 24" X 36" SHEET
1 ID	3/14/2024 DATE	ADDENE	DUM 1 SCRIPT	TION

DRAWN BY:	BS, LC
CHECKED BY:	LC, RC
REFLECTED CEILING PLAN	

2023040

32'







3 EA SILENCER

3 5/8"

5 7/8"

CONNECTION





	HVAC LEGEND
←	SIDEWALL SUPPLY GRILL
{>	SIDEWALL RETURN GRILL
\boxtimes	CEILING SUPPLY GRILL
	CEILING RETURN GRILL
\bowtie	EXHAUST GRILL
6x6	RECTANGULAR RIGID DUCT
<u>10ø</u>	ROUND RIGID DUCT
	ROUND FLEXIBLE DUCT
]	MANUAL BALANCING DAMPER
Ŀ	90 DEGREE BEND WITH TURNING VANES
□	DUCT MOUNTED SMOKE DETECTOR
# BD	BACK DRAFT DAMPER
<	1½ HR. FIRE DAMPER, LISTED PER UL 555
T	PROGRAMMABLE THERMOSTAT
	CARBON DIOXIDE DETECTOR

DIFF	DIFFUSER, GRILLE, AND REGISTER SCHEDULE						
CALLOUT	DESCRIPTION	MODEL	NOTES				
RE	EXISTING RETURN GRILL		RELOCATE TO LOCATION SHOWN ON HVAC PLAN.				
SA	NEW 24X24 LAY-IN SUPPLY DIFFUSER – 9" RUNOUT	METALAIRE 5000 OR EQUAL TO MATCH EXISTING					
SE	EXISTING SUPPLY GRILL		RELOCATE TO LOCATION SHOWN ON HVAC PLAN. REPLACE FLEX RUNOUT AS NEEDED.				

HVAC SPECIFICATIONS GENERAL

- 1. INSTALLATION SHALL COMPLY WITH THE LATEST EDITION OF THE NORTH CAROLINA STATE MECHANICAL CODE AND ALL OTHER APPLICABLE LOCAL AND NATIONAL CODES.
- 2. CONTRACTOR SHALL PROVIDE ALL LICENSES, FEES, PERMITS, INSURANCE, ETC., REQUIRED FOR THE EXECUTION OF THIS WORK.
- 3. INSTALLATION SHALL COMPLY WITH OSHA STANDARDS.
- 4. TESTING & BALANCING OF AIR CONDIITIONING SYSTEMS SHALL BE AS SHOWN ON THE PLANS. THIS WORK MAY BE PERFORMED BY THE MECHANICAL CONTRACTOR AND SHALL BE WITHIN 10% OF AIR FLOWS SHOWN.

DUCT

1. ALL DUCT SHALL BE FABRICATED AND SUPPORTED IN ACCORDANCE WITH

- APPLICABLE SMACNA STANDARDS.
- 2. ALL SUPPLY AND RETURN DUCT SHALL HAVE A MINIMUM PRESSURE CLASSIFICATION OF 2"W.G.
- 3. ALL DUCT SHALL BE UL LABELED FOR CLASS I AIR DUCT MEETING NFPA 90 FLAME SPREAD AND SMOKE GENERATION REQUIREMENTS.
- 4. ALL DUCT SIZES SHOWN ON PLANS ARE INSIDE CLEAR DIMENSIONS. 5. ALL TURNS SHALL UTILIZE SINGLE THICKNESS TURNING VANES OR RADIUS BEND.
- 6. ALL TAKE-OFFS SHALL BE 45 DEGREE TYPE.
- 7. DUCT MATERIALS AND REQUIREMENTS.
- 7.1. HVAC SUPPLY AND RETURN DUCTS.
- 7.1.1. ABOVE ACOUSTICAL CEILING SINGLE-WALL GALVANIZED SHEET METAL WITH 2" FOIL-BACKED INSULATION UNLESS OTHERWISE NOTED OR FLEX DUCT WITH MINIMUM R6 INSULATION VALUE (ATCO UPC #036 OR EQUAL) MAY BE USED ON RUNOUTS.

2018 APPENDIX BUILDING CODE SUMMARY FOR ALL (B	AL PR		CTS	I		
MECHANICAL DESIG	SN TS IE ADDI ICAR		OJE				
(FROVIDE ON THE MECHANICE SHEE	ARY	DLE)					
AECHANICAL SYSTEMS SERVICE SYSTEMS AND FOURPMEN	NT N/A - FX	VISTIN	G				
Thermal Zone winter dry bulb: summer dry bulb: Interior design conditions winter dry bulb:			_				
summer dry bulb: relative humidity:							
Building heating load:							
Building cooling load:							
Mechanical Spacing Conditioning System Unitary description of unit: heating efficiency: cooling efficiency: size category of unit: Boiler Size category. If oversized, state reason.: Chiller							
Size category. If oversized, state reason.:							
)18 NC Administrative Code and Policies	Appendix	B for Build	ling		REVIS	SIONS	
	BEFORE YOU DIG! NC ONE CALL	WGB	NO. 1	3/27/24		LAYOUT	CHANGES
	(OR 1-800-632-4949) IT'S THE LAW!						
	HVAC PLA	IN					
	$\frac{C}{C}$	ART	ERI	ET CO	MMUN	ITY C	OLLEGE
	W A	A Y INI	$\pm \mathbf{W}$	EST O	FFICE	RENU	VATIONS
#PE021990	MOREHEA OWNER: CA ADDRESS: 37 M PHONE:	AD CITY ARTERET 13 AREN OREHEA	T COM DELL D CIT	CART MUNITY CC ST Y, NC 28557	ERET COUI	NTY	NORTH CAROLIN
					DESIGNED:	WGB	DATE: 02/06/2024
L. Michael Stroud 3/27/2024		UD ENGI GHWAY 24	NEERI	NG, P.A.	DRAWN:	WGB	SCALE: AS NOTED
L. MICHAEL STROUD, P.E.	MOREH (252) 2	IEAD CITY, 47-7479	NC 285 L	57 ICENSE NO.C-064	APPROVED:	LMS	sheet M1 of 1

ELECIR	ICAL ABBREVIATIONS:	
AF	AMP FUSE	2L
AFF	ABOVE FINISHED FLOOR	ROOM
AFG	ABOVE FINISHED GRADE	FED FROM UTILITY
AHU	AIR-HANDLER UNIT	
AIC	AMPERE INTERRUPTING CAPACITY	1 20/1 EX. BRE
АT	AMP TRIP	3 20/1 EX. BRE 5 20/1 EX. BRE
AWG	AMERICAN WIRE GAUGE	7 20/1 EX. BRE 9 20/1 EX. BRE
3LDG	BUILDING	11 20/1 LIGHTING 13 20/1 LIGHTING
CU	CONDENSING UNIT	17 20/1 EX. BRE 17 20/1 EX. BRE 10 20/1 SPACE
DISC	DISCONNECT	21 20/1 SPACE 21 20/1 SPACE 23 20/1 SPACE
Ξ.C.	ELECTRICAL CONTRACTOR	25 20/1 SPACE 25 20/1 SPACE 27 20/1 SPACE
ECB	ENCLOSED CIRCUIT BREAKER	29 20/1 SPACE
ЕНН	ELECTRIC HAND HOLE	
ΞM	EMERGENCY	LIGHTING
EMT	ELECTRICAL METALLIC TUBING	
5	GROUND	
SECI	GROUND FAULT CURRENT INTERRUPT	(2PB-1
GRC	GALVANIZED RIGID CONDUIT	ROOM MOUNTING FLUSH
ΗP	HORSEPOWER	FED FROM UTILITY
HVAC	HEATING, VENTILATION, AIR CONDITIONING	
G	ISOLATED GROUND	1 20/1 EX. BRE
<va< td=""><td>KILOVOLT AMPERE</td><td>3 20/1 EX. BRE 5 20/1 EX. BRE</td></va<>	KILOVOLT AMPERE	3 20/1 EX. BRE 5 20/1 EX. BRE
<w< td=""><td>KILOWATT</td><td>7 20/1 EX. BRE</td></w<>	KILOWATT	7 20/1 EX. BRE
ЛСА	MINIMUM CIRCUIT AMPACITY	9 20/1 EX. BRE 11 20/1 EX. BRE
ИСВ	MAIN CIRCUIT BREAKER	15 20/1 EX. BRE
MIN	MINIMUM	17 20/1 EX. BRE
ЛГО	MAIN LUG ONLY	19 20/1 EX. BRE
VOCP	MAXIMUM OVERCURRENT PROTECTION	21 20/1 EX. BRE 23 20/1 EX. BRE
N	NEUTRAL	25 20/1 EX. BRE 27 20/1 EX. BRE
NEC	NATIONAL ELECTRIC CODE (NFPA 70)	29 20/1 EX. BRE 31 20/1 EX. BRE
NFPA	NATIONAL FIRE PROTECTION AGENCY	35 20/1 EX. BRE 35 20/1 EX. BRE 37 20/1 EX. BRE
NIC	NOT IN CONTRACT	39 20/1 EX. BRE
NL	NIGHTLIGHT	
NTS	NOT TO SCALE	
Ø	PHASE	RECEPTACLES CONTINUOUS
ОС	ON CENTER	
P	POLE	
PB	PULL BOX	
PVC	POLYVINYL CHLORIDE	
RCPT	RECEPTACLE	
SCCR	SHORT CIRCUIT CURRENT RATING	
SPEC	SPECIFICATIONS	
SQ	SQUARE	
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION	
ΓΥΡ	TYPICAL	
UON	UNLESS OTHERWISE NOTED	
V	VOLTS	
VIF	VERIFY IN FIELD	
W	WATTS	
	ΜΕΔΤΗΕΡΡΡΟΟΕ	
WP		

DRAWING NO.: 002



018 NC	Administrative	Code and	Policies

DRAWING NO.: 003

PM3167~001

	CCC WAYNE WEST SECOND FLOOR OFFICE RENOVATIONS MOREHEAD CITY, NC		
PART 1 GENERAI 1.01 GENER A.	L RAL REQUIREMENTS THE CONTRACTOR SHALL COMPLY WITH ALL THE LAWS, ORDINANCES, RULES AND REGULATIONS OF ALL LOCAL AND STATE	С.	DO NOT ROUTE CONDUIT EXPOSED ON OUTSIDE OF BUILDING WALLS, UNLESS ROUTING IS REVIEWED AND APPROVED BY ARCHITECT/ENGINEER.
	GOVERNMENTAL AUTHORITIES, THE MOST RECENT RULES OF THE NATIONAL FIRE PROTECTION ASSOCIATION AS INTERPRETED BY THE ENFORCING AUTHORITY HAVING JURISDICTION AND OF THE PUBLIC UTILITIES HAVING CONNECTION WITH ANY OF THE SYSTEMS HEREIN SPECIFIED.	D.	ALL CIRCUITRY IN EXTERIOR FINISHED AREAS SHALL BE RUN CONCEALED. MINIMUM SIZE CONDUIT SHALL BE 3/4" EMT ROUTING MUST BE REVIEWED AND APPROVED BY ARCHITECT/ENGINEER.
В.	THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND INSPECTIONS REQUIRED BY ANY OF THE FOREGOING AUTHORITIES, AND PAY FOR ALL OTHER COSTS IN CONNECTION WITH THE WORK. ALL CERTIFICATES SHALL BE IN DUPLICATE	E.	EMT CONNECTORS AND COUPLINGS SHALL BE OF THE ALL-STEEL, SET SCREW (INTERIOR) OR COMPRESSION (EXTERIOR) TYPE. DIE-CAST FITTINGS ARE NOT PERMITTED.
C.	AND SHALL BE DELIVERED TO THE ARCHITECT. THE SITE, LOCATION, AND CIRCUITING OF SYSTEMS INDICATED TO HAVE NEW CONNECTIONS MADE TO THEM ARE SHOWN AS	F.	EXPOSED AND CONCEALED CIRCUITRY (WHETHER CONDUIT OR CABLING) SHALL BE RUN TIGHT TO CEILING IN A NEAT, WORKMAN-LIKE MANNER. ALL RUNS SHALL BE PARALLEL OR PERPENDICULAR TO THE BUILDING WALLS.
	CONTRACT DRAWINGS. BIDDERS WHO DO NOT VISIT THE SITE MAY BE UNILATERALLY NOT PERMITTED TO SUBMIT A BID IF THE OWNER SO DESIGNATES. ALL EXISTING CONDITIONS SHALL BE EXAMINED AND THEIR EXACT LOCATIONS VERIFIED. THE CONTRACTOR SHALL REPORT TO THE PROJECT MANAGER BEFORE SUBMITTING A BID. ANY CONDITIONS WHICH MIGHT MAKE	В.	ROUTES. OUTLET BOXES SHALL BE A MINIMUM OF 4" SQUARE WITH THE APPROPRIATE PLASTER RING OR TILE COVER (IF CONCEALED)
	INSTALLATION OF REQUIRED EQUIPMENT A PROBLEM. NO CONSIDERATION OR ALLOWANCE WILL BE GRANTED FOR FAILURE TO INVESTIGATE CONDITIONS OR MISUNDERSTANDINGS OF THE CONTRACTUAL REQUIREMENTS.		SURFACE BOXES SHALL HAVE STEEL RAISED COVERS. NON METALLIC BOXES AND FITTINGS ARE NOT ACCEPTABLE IN INTERIOR LOCATIONS.
D.	THE CONTRACTOR SHALL INSTALL AND CONNECT ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH THE BEST ENGINEERING PRACTICE AND, UNLESS OTHERWISE SHOWN OR SPECIFIED. FOLLOW THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS AND FURNISH AND INSTALL ALL REQUIRED AUXILIARY ITEMS COMPLETE.	I.	COORDINATE SIZES OF RACEWAYS, BOXES, AND EQUIPMENT ENCLOSURES INSTALLED UNDER OTHER SECTIONS WITH THE ACTUAL CONDUCTORS TO BE INSTALLED, INCLUDING ADJUSTMENTS FOR CONDUCTOR SIZES DUE TO VOLTAGE DROP.
E.	DRAWINGS SHALL BE CONSIDERED DIAGRAMMATIC AND FOR BIDDING PURPOSES ONLY. WHILE THE DRAWINGS ARE GENERALLY TO SCALE AND ARE AS ACCURATE AS THE SCALE WILL PERMIT, ALL IMPORTANT DIMENSIONS SHALL BE	J.	SECURE AND SUPPORT BOXES AND CONDUIT IN ACCORDANCE WITH NEC USING LISTED SUPPORTS AND METHODS APPROVE BY THE ENGINEER AND AUTHORITY HAVING JURISDICTION.
F.	DETERMINED IN THE FIELD. COORDINATE WITH ALL TRADES TO AVOID INTERFERENCE AMONG MECHANICAL, ELECTRICAL, ARCHITECTURAL AND STRUCTURAL ITEMS, PROVIDE ALL NECESSARY OFFSETS AND FITTINGS IN CIRCUITRY AND OTHER ITEMS REQUIRED TO	к. І	INSTALLATION OR SUSPENDED CEILING SUPPORT SYSTEMS. DO NOT ALLOW CONDUITS OR CABLING TO LAY ON CEILING TILE
G.	INSTALL THE WORK WITHOUT INTERFERENCES. THE CONTRACTOR SHALL TEST ALL EQUIPMENT INSTALLED UNDER THIS CONTRACT AND DEMONSTRATE TO OWNER ITS	<u> </u>	USE METAL CHANNEL (STRUT) WITH ACCESSORY CONDUIT CLAMPS TO SUPPORT MULTIPLE PARALLEL SURFACE-MOUNTED CONDUITS.
H.	PROPER OPERATIONS. ALL NEW EQUIPMENT SHALL BE MOUNTED VIBRATION FREE. ALL EQUIPMENT AND WORKMANSHIP SHALL BE GUARANTEED IN FULL FROM ALL DEFECTS FOR ONE (1) YEAR FROM THE DATE	N.	PROVIDE ALL CONDUIT CONNECTIONS TO BOXES AND PANELS IN SUCH MANNER TO PROTECT WIRE ROUTING IN AND OUT.
I.	OF FINAL ACCEPTANCE OF THIS WORK. ALL EQUIPMENT INSTALLED SHALL BE NEW AND SHALL CONFIRM IN ALL RESPECTS TO THE LATEST APPROVED STANDARDS OF	О.	DO NOT PENETRATE, NOTCH, OR CUT STRUCTURAL MEMBERS, INCLUDING FOOTINGS AND GRADE BEAMS, WITHOUT APPROVAL OF STRUCTURAL ENGINEER/ARCHITECT.
	IEEE, ANSI, NEMA AND UNDERWRITERS LABORATORIES, INC., (UNLESS INDICATED OTHERWISE.) PERFORM ALL WORK IN ACCORDANCE WITH NECA 1 (GENERAL WORKMANSHIP). SUBSTITUTIONS SHALL ONLY BE ACCOMPLISHED AT THE DISCRETION OF THE PROJECT MANAGER. SHOP DRAWINGS ARE TO BE SUBMITTED AND APPROVED BEFORE THE EQUIPMENT IS ORDERED.	Ρ.	INSTALLATION. PROVIDE SUFFYERS FOR PENETRATIONS AS INDICATED OR AS REQUIRED TO FACILITATE INSTALLATION. SET SUFFYERS FULLSH
J.	UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL THOROUGHLY CLEAN THE CONTRACT AREA AND ALL OTHER AREAS USED FOR STORAGE, STAGING, ETC.	R.	WITH EXPOSED SURFACES UNLESS INDICATED OR REQUIRED. SEAL INTERIOR OF CONDUITS ENTERING THE BUILDING FROM UNDERGROUND AT FIRST ACCESSIBLE POINT TO PREVENT
К.	PROVIDE TEMPORARY SERVICE FOR LIGHTING AND POWER EQUIPMENT (DRILLS, SAW, ETC.) VERIFY TEMPORARY REQUIREMENTS. TEMPORARY LIGHTING AND POWER SHALL MEET OSHA REQUIREMENTS AND LOCAL CODE. TEMPORARY	S.	ENTRY OF MOISTURE AND GASES. WHERE CONDUITS PENETRATE WATERPROOF MEMBRANE, SEAL AS REQUIRED AS REQUIRED TO MAINTAIN INTEGRITY OF
L.	POWER SHALL BE 120 VOLTS. FINAL TESTING: AT THE TIME OF FINAL INSPECTION AND TESTS, ALL CONNECTIONS AT PANELBOARDS, DEVICES AND	Т.	MEMBRANE. MAKE PENETRATIONS FOR ROOF MOUNTED EQUIPMENT WITHIN ASSOCIATED EQUIPMENT OPENINGS AND CURBS WHENEVER
	EQUIPMENT AND ALL SPLICES MUST BE COMPLETED. EACH BRANCH CIRCUIT AND ITS RESPECTIVE CONNECTED EQUIPMENT MUST TEST FREE OF SHORT CIRCUITS. UPON COMPLETION OF THE WORK, CLEAN AND POLISH ALL EXPOSED SURFACES IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.		POSSIBLE. WHERE ROOF PENETRATIONS ARE NECESSARY, PROVIDE SEAL AS REQUIRED TO PRESERVE INTEGRITY AND WARRANTY OF THE ROOF SYSTEM. REVIEW PROPOSED LOCATIONS OF PENETRATION AND METHODS FOR SEALING WITH ARCHITECT PRIOR TO BEGINNING WORK.
М.	THE CONTRACTOR SHALL REVIEW ALL CONSTRUCTION DRAWINGS, SPECIFICATIONS, EQUIPMENT INSTALLATION INSTRUCTIONS AND SHOP DRAWINGS OF ALL TRADES TO FAMILIARIZE HIMSELF WITH THE EXTENT OF THE WORK REQUIRED.	U.	PROVIDE ESCUTCHEON PLATES FOR CONDUIT OR REVIEW METHOD OF OF SEALING WITH ARCHITECT/ENGINEER FOR SEALIN OF CONDUIT PENETRATIONS IN EXPOSED LOCATIONS.
N. O.	CONTRACTOR SHALL COMPLY WITH ALL RULES AND REGULATIONS OF OSHA AS APPLIED TO CONSTRUCTIONS PROJECTS. IN THE EVENT A CONFLICT OCCURS BETWEEN THE CONTRACT, SPECIFICATIONS, DRAWINGS, REFERRED TO MANUFACTURER'S	V.	INSTALL FIRE STOPPING TO PRESERVE FIRE RESISTANT RATING OF PARTITIONS AND OTHER ELEMENTS AS DIRECTED IN DRAWINGS OR ELSEWHERE IN THESE SPECIFICATIONS.
	LITERATURE, CODES HAVING JURISDICTION OR OTHER DOCUMENTS REFERRED TO HEREIN, THIS CONTRACTOR SHALL CONTACT THE PROJECT MANAGER FOR A RULING AND CLARIFICATION PRIOR TO SUBMITTING ANY BID DOCUMENTS. WHERE CONFLICTS ARE QUESTIONED AFTER BID SUBMITTALS, THE DOCUMENT OR DOCUMENTS WITH THE MOST STRINGENT,	W.	WHERE CONDUITS ARE SUBJECT TO MOVEMENT BY EXPANSION, CONTRACTION, OR DEFLECTION BY STRUCTURE, OR MOVEMENT OF EARTH DUE TO SETTLEMENT OR TEMPERATURE CHANGE, PROVIDE APPROPRIATE RATED FITTINGS.
	EXPENSIVE AND DETAILED REQUIREMENTS WILL BE ENFORCED BY THE ARCHITECT. THE CONTRACTOR SHALL BE REQUIRED TO FURNISH AND INSTALL THE MOST STRINGENT REQUIREMENTS AND AGREES THAT NO SEPARATE OR EXTRA PAYMENTS WILL BE MADE FOR ANY ITEM OR WORK OR MATERIALS REQUIRED TO FOLLOW THE MORE STRINGENT REQUIREMENTS.	X. V	PROVIDE APPROVED SEALING FITTING OR COMPOUND WHERE CONDUITS PASS THROUGH AREAS OF SUBSTANTIAL TEMPERATURE DIFFERENTIAL.
Ρ.	ALL EQUIPMENT AND MATERIAL SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER AND ALIGNED, LEVELED AND ADJUSTED FOR SATISFACTORY OPERATION. INSTALL EQUIPMENT SO THAT ALL PARTS ARE EASILY ACCESSIBLE FOR INSPECTION, OPERATION, MAINTENANCE, AND REPAIR, VERIFY THAT CONDITIONS ARE SATISFACTORY FOR INSTALLATION OF	Z.	IMMEDIATELY AFTER INSTALLATION OF CONDUIT, USE SUITABLE MANUFACTURED PLUGS TO PROVIDE PROTECTION FROM ENTRY OF MOISTURE AND FOREIGN MATERIAL AND DO NOT REMOVE UNTIL READY FOR INSTALLATION.
Q.	ALL EQUIPMENT REFERENCED IN THESE SPECIFICATIONS PRIOR TO STARTING INSTALLATION. ALL ELECTRICAL APPARATUS SHALL BE INSTALLED AT THE MOUNTED HEIGHTS INDICATED ON THE DRAWINGS, USING THE	PART 3 WIRE A 3.01 GEN	ND CABLE ERAL REQUIREMENTS
R.	SAME MATERIALS AND METHODS USED IN THE EXISTING CONSTRUCTION. THE CONTRACT DOCUMENTS ARE DIAGRAMMATIC AND ARE NOT INTENDED TO INDICATE EVERY DETAIL OF CONSTRUCTION OR	А.	UNLESS OTHERWISE NOTED, ALL CONDUCTORS SHALL BE COPPER, MINIMUM #12 (EXCEPT CONTROL CONDUCTORS AND LIGHTING TAPS AS PERMITTED BY NEC (CONDUCTORS FOR SWITCHING LIGHTS SHALL NOT BE CONSIDERED CONTROL CONDUCTORS) WITH 600 VOLT TYPE "THHN-THWN" OR THHN/THWN-2 INSULATION. CONDUCTORS ARE PERMITTED TO BE STRANDED. CONDUCTOR SIZING IS RASED ON 75 DECRESS BED NECTARIES. WHERE CONDUCTOR SIZE IS NOT INDICATED
	SPECIFY THE GENERAL EXTENT, TYPE OF SYSTEM AND PERFORMANCE WITH ANY SPECIAL CONDITION AND FUNCTIONS REQUIRED. THE ELECTRICAL CONTRACTOR SHALL BE EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE AND OPERABLE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS NECESSARY FOR EQUIPMENT TO BE PLACED IN PROPER		SIZE TO COMPLY WITH NFPA 70 (NEC). RECEIVE, INSPECT, HANDLE, AND STORE CONDUCTORS AND CABLES AS PER MANUFACTURER'S INSTRUCTIONS.
S.	WORKING ORDER. CONTRACTOR SHALL MAINTAIN ON THE JOB SITE ONE COMPLETE SET OF CONTRACT DOCUMENTS OF ALL TRADES AND SHALL	B.	MINIMUM SIZE SHALL BE #12, WIRE AND CONDUIT METHODS OR MC CABLE IS REQUIRED OTHERWISE. MINIMUM CONDUCTOR SIZE EXCEPTIONS: 1. 20A, 120V CIRCUITS LONGER THAN 80 FEET: #10 AWG, FOR VOLTAGE DROP.
-	COORDINATE WITH OTHER TRADES SO AS TO AVOID CONFLICTS AND PROVIDE EQUIPMENT CONNECTIONS AS REQUIRED BY EQUIPMENT SHOP DRAWINGS AND EQUIPMENT NAMEPLATES.		 20A, 120V CIRCUITS LONGER THAN 150 FEET: #8 AWG, FOR VOLTAGE DROP. CONTROL CIRCUITS SHALL BE #14 MINIMUM. IN ADDITION TO THE GENERAL CONDITIONS ABOVE ALL BRANCH CIRCUIT WIRES SHALL BE INSTALLED TO ACHIEVE LESS THA 29V VOLTACE DROP FOR ENTIRE CIRCUIT ENCITE TO THE LAST LOAD SERVED FOR NEC REQUIREMENTS, OR THE ALL 29V VOLTACE DROP FOR ENTIRE CIRCUIT ENCITE TO THE LAST LOAD SERVED FOR NEC REQUIREMENTS, OR THE ALL
1.	REFERENCE TO RELATED DOCUMENTS, EQUIPMENT CONNECTIONS, ETC. ARE APPROXIMATE AND SHALL BE VERIFIED BY REFERENCE TO RELATED DOCUMENTS (I.E. ARCHITECTURAL DRAWINGS, EQUIPMENT SHOP DRAWINGS, MANUFACTURER'S INSTRUCTIONS, MECHANICAL AND PLUMBING DRAWINGS) TO INDICATE ALL CONDUCTORS REQUIRED TO PROVIDE COMPLETE AND FULLY OPERABLE WIRING SYSTEMS.	C.	WHICHEVER IS STRINGENT. NMC CABLE IS NOT PERMITTED WITHIN THIS BUILDING.
U.	ONE LINE DIAGRAMS ARE DIAGRAMMATIC AND NOT INTENDED TO SHALL ALL REQUIRED MATERIALS, DEVICES AND QUANTITIES OF STATIONS OR DEVICES, THE FLOOR PLANS, SPECIFICATIONS, CODES, REGULATIONS, LAWS, AND MANUFACTURER	D.	PROVIDE METAL-CLAD CABLE AS PERMITTED BY NFPA 70 AND INDICATED ON DRAWINGS. USE LISTED FITTINGS ONLY TO TERMINATE CABLES. DO NOT USE DIRECT BEARING SETSCREW TYPE FITTINGS FOR CABLES
V.	REQUIREMENTS ALSO SUPPLEMENT AND GOVERN THE REQUIREMENTS AND QUANTITIES FOR DEVICES FOR THE SYSTEMS. THE CONTRACT DOCUMENTS ARE INTENDED TO ILLUSTRATE TO COMPETENT AND EXPERIENCED CONTRACTORS AND	2	WITH ALUMINUM ARMOR. 2. CABLE IS NOT PERMITTED TO BE INSTALLED EXPOSED UNLESS APPROVED BY ENGINEER. 3. CUT CABLE ARMOR ONLY USING SPECIALIZED TOOLS DO NOT USE HACKSAW OR WIRE CUTTERS TO CUT ARMOR.
	LAY OUT THE WORK SPECIFIED, AND EXECUTE ALL NECESSARY MEANS REQUIRED TO PROVIDE THE COMPLETE AND EQUIPMENT, OPERABLE SYSTEMS SPECIFIED AND ILLUSTRATED.	E. F.	RUN MULTIPLE HOMERUNS TO ALTERNATELY BUSSED AND NUMBERED PANELBOARD CIRCUITS (I.E., 1,3,5.) INSULATION TO LIGHT FIXTURES OR SPECIAL EQUIPMENT SHALL BE AS REQUIRED BY NAMEPLATES OR TO SUITE THE
W.	THE AESTHETIC APPEARANCE OF THE UNDERSIDE OF THE EXPOSED ROOF DECK, AND WALLS IS CRITICAL. THIS ALSO INCLUDES ALL EXPOSED CONDUITS, CABLING AND EQUIPMENT ABOVE REMOVABLE CEILINGS. CONTRACTORS WILL BE HELD TO A HIGHER STANDARD FOR THE UNIFORMITY OF APPEARANCE. ALL REQUIRED CONDUITS, CABLES, WIRES, JUNCTION BOXES		CONDITION. CONDUCTORS FOR CIRCUITS & EQUIPMENT RATED 100 AMP OR LESS SHALL BE SIZED FOR 60 . CONDUCTORS FOR CIRCUITS & EQUIPMENT RATED ABOVE 100 AMP SHALL BE SIZED FOR 75 .
	AND MISCELLANEOUS DEVICES/EQUIPMENT SHALL BE INSTALLED PER NEC AS CLOSE AS POSSIBLE AREAS. ALL RUNS SHALL BE PARALLEL OR PERPENDICULAR TO THE BUILDING WALLS AND ROOF DECK STRUCTURE. CONDUIT CABLES RUNS SHALL BE INSTALLED PER NEC REQUIREMENTS AS CLOSE TO THE BOTTOM OF THE DECK/CEILING AS ALLOWABLE AND DIRECTLY	G. H.	CONDUCTORS SHALL BEAR READABLE MARKINGS ALONG THE ENTIRE LENGTH. CONDUCTORS #6 AWG OR SMALLER SHALL BEAR FACTORY COLOR INSULATION COMPLYING WITH SYSTEM PHASING ALONG
Х.	ADJACENT TO THE ROOF JOISTS WHEN RUNNING PERPENDICULAR TO THE ROOF DECK. PROVIDE ALL ACCESS PANELS AND ACCESS DOORS WHERE REQUIRED FOR SERVICING AND ADJUSTING ALL EQUIPMENT IN NON ACCESSIBLE LOCATIONS. THE CONTRACTOR SHALL REVIEW AND COORDINATE ALL BOX LOCATION'S AND DOOR	I.	JOINTS FOR #10 AWG OR SMALLER SHALL BE MADE WITH APPROVED TWIST-ON TYPE CONNECTORS AND INSULATED WITH SCOTCH #33 ELECTRICAL TAPE JOINTS FOR #8 OR LARGER SHALL BE MECHANICAL PRESSURE TYPE CONNECTORS OR LUGS
Y.	CONFIGURATIONS WITH ARCHITECT PRIOR TO INSTALLING. ALL ELECTRICAL DEVICES SHALL BE ALIGNED WITH THE ARCHITECTURAL FEATURES OF THE BUILDING. DEVICES FOR VARIOUS		AND PROPERTY TAPED WITH SCOTCHFILL AND SCOTCH #33 ELECTRICAL TAPE TO 150% OF THE INSULATING VALUE OF THE CONDUCTOR. IN ALL CASES PROVIDE TERMINATIONS LISTED FOR CONDUCTORS AND SUITABLE FOR CONDITIONS OF INSTALLATION.
	SYSTEMS (LIGHT SWITCHES, RECEPTACLES, FIRE ALARM, HORNS, THERMOSTATS, ETC.) LOCATED IN THE SAME GENERAL AREA SHALL BE ALIGNED AT THEIR RESPECTIVE MOUNTING HEIGHTS. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE OTHER TRADES TO ENSURE ALIGNMENT OF ALL DEVICES. BACK BOXES SHALL BE MOUNTED ON THE SAME SIDE OF	J.	WIRING WITHIN PANELBOARDS, JUNCTION BOXES AND OUTLET BOXES SHALL BE NEATLY SQUARED AND BUNCHED TOGETHE DO NOT USE PLASTIC TIE WRAP SYSTEMS.
	THE SAME WALL STUD TO SHOW AN ALIGNED APPEARANCE. ANY DIMENSIONS SHOWN ON THE DRAWINGS SHALL SUPERSEDE THIS GUIDANCE. SEE SCHEDULES FOR TYPICAL LOCATIONS AND MOUNTING HEIGHTS. ALL MOUNTING HEIGHTS INDICATED ON DRAWINGS ARE FROM THE FINISHED FLOOR TO THE CENTERLINE OF THE DEVICE OR BACK BOX TRIM, UNLESS NOTED OTHERWISE	К.	PROVIDE CIRCUIT NUMBER ON EACH CONDUCTOR WITHIN PANELBOARDS, JUNCTION BOXES, AND OUTLET BOXES.
Z.	FOR WALL AND FLOOR PENETRATIONS MADE BY CONTRACTOR. FIRE PROOFING SHALL BE PROVIDED AFTER ALL CONDUITS OR SLEEVES ARE INSTALLED. FIRE PROOFING FOR PENETRATIONS SHALL BE UL APPROVED PER THE PENETRATIONS MADE.	— M.	INDICATING CIRCUIT CONTAINED WITHIN BOX WITH PERMANENT MARKER.
1.02 DEFINI	REFER TO ARCHITECTURAL SHEETS FOR LOCATIONS OF RATED WALLS AND PARTITIONS. TIONS	N.	NEUTRAL CONDUCTORS OR MORE THAN ONE CONDUCTOR OF THE SAME PHASE. ACCEPTABLE MANUFACTURERS: CERRO WIRE, ENCORE WIRE, GENERAL CABLE, SERVICE WIRE, SOUTHWIRE, OR APPROVED
А. В.	"PROVIDE" UNDER THIS CONTRACT IS DEFINED AS FURNISH AND INSTALL. "CONCEALED" UNDER THIS CONTRACT IS DEFINED AS HIDDEN BY ARCHITECTURAL WALLS AND CEILINGS.	О.	EQUAL. WIRING CONNECTORS: PROVIDE CONNECTORS APPROPRIATE FOR THE APPLICATION, LISTED AND SUITABLE FOR USE WITH
C.	"EXPOSED" UNDER THIS CONTRACT IS DEFINED AS VISIBLE TO VIEW.	Ρ.	FOR BONDING AND GROUNDING PROVIDE CONNECTORS LISTED FOR CONNECTION SITUATION AND LOCATION USED.
PART 2 RACEWA 2.01 GENER	YS, BOXES AND CONDUITS RAL REQUIREMENTS:	Q. 1	WIRING CONNECTORS FOR TERMINATION: I. PROVIDE TERMINAL LUGS FOR CONNECTING CONDUCTORS TO EQUIPMENT FURNISHED WITH TERMINATIONS DESIGNED FOR TERMINAL LUGS.
A. 1. 2.	INDOOR WIRING METHODS: CONNECTION TO VIBRATING EQUIPMENT: FLEXIBLE METALLIC CONDUIT. EXPOSED: (UNFINISHED AREAS ONLY) ELECTRICAL METALLIC TUBING (EMT) OR GALVANIZED RIGID CONDUIT (GRC.) (WHERE	2	 PROVIDE COMPRESSION ADAPTERS FOR CONNECTING CONDUCTORS TO EQUIPMENT FURNISHED WITH MECHANICAL LUGS ONLY WHEN ONLY COMPRESSION CONNECTORS ARE SPECIFIED. WHERE OVER-SIZED CONDUCTORS ARE LARGER THAN THE EQUIPMENT TERMINATIONS CAN ACCOMMODATE, PROVIDE
3.	SUBJECT TO PHYSICAL DAMAGE.) CONCEALED: ELECTRICAL METALLIC TUBING OR, AS APPROVED, METAL CLAD (MC.) BOXES, COVERS AND ENCLOSURES: NEMA TYPE 1. PLOID BLVC 40 CONDULT IS DEPARTED FOR UNDER CROUND(SLAB EFEDERS AND PRANCH CIRCUITS, POUTING		CONNECTORS SUITABLE FOR REDUCING TO APPROPRIATE SIZE, BUT NOT LESS THAN REQUIRED FOR THE RATING OF THE OVERCURRENT PROTECTIVE DEVICE. 4. CONDUCTORS SIZE 8 AWG AND LARGER: USE MECHANICAL CONNECTORS OR COMPRESSION CONNECTORS WHERE CONNECTORS ARE REQUIRED.
4.	UNDERGROUND/SLAB SHALL BE AT SINGLE LEVEL OR IN LISTED CONDUIT RACKS AND BRANCH CIRCUITS. ROUTING UNDERGROUND/SLAB SHALL BE AT SINGLE LEVEL OR IN LISTED CONDUIT RACKS AND (2) LEVELS MAXIMUM TO ALLOW FOR EVEN BACKFILL - CONDUITS SHALL NOT BE BUNDLED OR ROUTED TOGETHER WITHOUT SEPARATION. CONDUIT TRANSITIONS FROM UNDER GROUND TO ABOVE GROUND LOCATIONS SHALL BE MADE WITH GAI VANIZED HEAVY	Ę	 STRANDED CONDUCTORS SIZE 10 AND SMALLER: USE CRIMPED NYLON INSULATED TERMINALS FOR CONNECTIONS TO TERMINAL SCREWS.
J.	WALL RIGID ELLS WITH GALVANIZED RIGID CONDUITS TO 48" AFF MINIMUM OR AS OTHERWISE NOTED FOR PHYSICAL PROTECTION.	R.	TWIST-ON INSULATED SPRING CONNECTORS: SHALL BE RATED 105 FOR STANDARD APPLICATIONS AND 150 FOR HIGH TEMPERATURE APPLICATIONS: FOR APPLICATIONS FOR DAMP AND WET LOCATIONS THEY SHOULD BE PRE-FILLED WITH SEALANT AND LISTED PER UL 486D.
B. 1.	OUTDOOR WIRING METHODS: PROVIDE UNDERGROUND WARNING TAPES FOR ALL SERVICE AND FEEDER CONDUITS LARGER THAT 1" OR MARK LOCATION ON AS-BUILT DRAWINGS. CONNECTION TO VIBRATING EQUIPMENT: FLEXIBLE METAL SEAL-TIGHT CONDUIT OR NON-METALLIC SEAL TIGHT CONDUIT	S.	MANUFACTURERS: 3M, IDEAL INDUSTRIES, NSI INDUSTRIES OR APPROVED EQUAL. MECHANICAL CONNECTORS: PROVIDE BOLTED OR SET-SCREW TYPE. MANUFACTURERS: PUBNICY, IL SCO. OR THOMAS AND RETTO OR APPROVED FOUND.
2.	WITH LISTED FITTINGS. EXPOSED: GALVANIZED RIGID CONDUIT (GRC) OR SCHEDULE 80 PVC WHEN SUBJECT TO PHYSICAL DAMAGE. SCHEDULE 40 PVC UNDERGROUND. BOXES, COVERS AND ENCLOSURES: NEMA 3R MINIMUM OR AS OTHERWISE NOTED ON DRAWINGS. NON METALLIC POYES AND	1 2 T	2. COMPRESSION CONNECTORS: PROVIDE CIRCUMFERENTIAL TYPE CRIMP CONFIGURATION. ACCESSORIES:
4.	ENCLOSURES SHALL BE PERMITTED AS NOTED ON DRAWINGS. CONDUIT TRANSITIONS FROM UNDERGROUND TO ABOVE GROUND LOCATIONS SHALL BE MADE WITH HEAVY WALL RIGID ELLS WITH GALVANIZED RIGID CONDUIT (GRC) TO 48" AFG MIN. OR AS OTHERWISE NOTED FOR PHYSICAL PROTECTION.	1	 ELECTRICAL TAPE: 3M OR PLYMOUTH OR APPROVED EQUAL. VINYL COLOR CODING TAPE: INTEGRALLY COLORED TO MATCH COLOR CODE INDICATED; LISTED AS COMPLYING WITH UL 510 MINIMUM THICKNESS OF 7 MIL. RESISTANT TO ABRASION, CORROSION, AND SUNLIGHT FOR CONTINUOUS TEMPERATURE
	IO: PM3167~001		ENVIRONMENT UP TO 105 OR APPROVED EQUAL.

NGER THAN 150 FEET: #8 AWG. FOR VOLTAGE DROP HALL BE #14 MINIMUN

RMITTED WITHIN THIS BUILDING.

JRNDY, ILSCO, OR THOMAS AND BETTS OR APPROVED EQUAL. IECTORS: PROVIDE CIRCUMFERENTIAL TYPE CRIMP CONFIGURATION.

- 3. VINYL INSULATING ELECTRICAL TAPE: COMPLYING WITH ASTM D3005 AND LISTED AS COMPLYING V PHYSICAL QUALITIES AS COLOR CODING TAPE ABOVE. 4. RUBBER SPLICING ELECTRICAL TAPE: ETHYLENE PROPYLENE RUBBER (EPR) TAPE, COMPLYING WI THICKNESS OF 30 MIL, SUITABLE FOR CONTINUOUS TEMPERATURE ENVIRONMENT UP TO 90 AND
- OVERLOAD SERVICE. 5. ELECTRICAL FILLER TAPE: RUBBER-BASED INSULATING MOLDABLE PUTTY, MINIMUM THICKNESS OF CONTINUOUS TEMPERATURE ENVIRONMENT UP TO 80 . MOISTURE SEALING ELECTRICAL TAPE: INSULATING MASTIC COMPOUND LAMINATED TO FLEXIBLE, BACKING, 90 MIL MINIMUM THICKNESS.
- HEAT SHRINK TUBING: HEAVY WALL, SPLIT RESISTANT WITH FACTORY-APPLIED ADHESIVE: RATED 6 U. BURIAL APPLICATIONS: LISTED AS COMPLYING WITH UL 486D.
- OXIDE INHIBITING COMPOUND: LISTED, SUITABLE FOR USE WITH THE CONDUCTORS OR CABLES TO
- W. WIRE PULLING LUBRICANT: LISTED, SUITABLE FOR USE WITH THE CONDUCTORS OR CABLES TO BE FOR USE AT THE INSTALLATION TEMPERATURE.
- CABLE TIES: MATERIAL AND TENSILE STRENGTH RATING SUITABLE FOR APPLICATION AND SUNLIGH Х. MANUFACTURERS: BURNDY, IDEAL OR APPROVED EQUAL.
- Υ. INSTALLATION: CIRCUITING REQUIREMENTS: MAINTAIN SEPARATION OF CLASS 1, CLASS 2, AND CLASS 3 REMOTE-POWER-LIMITED CIRCUITS IN ACCORDANCE WITH NFPA 70. CIRCUITING ADJUSTMENTS: UNLESS OTHERWISE NOTED, WHEN BRANCH CIRCUITS ARE INDICATED
- THEM IN A SINGLE RACEWAY IS NOT PERMITTED. PERFORM WORK IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
- . INSTALLATION IN RACEWAY: a. TAPE ENDS OF CONDUCTORS AND CABLES TO PREVENT INFILTRATION OF MOISTURE AND OTHI b. PULL ALL CONDUCTORS AND CABLES INTO RACEWAY SO AS NOT TO DAMAGE INSULATION AND MAXIMUM PULLING TENSION AND SIDEWALL PRESSURE. USE SUITABLE PULLING LUBRICANT WH RECOMMENDED BY MANUFACTURERS.
- PARALLEL CONDUCTORS SHALL BE INSTALLED PER NEC DIRECTION. 6. SECURE AND SUPPORT CONDUCTORS AND CABLES IN ACCORDANCE WITH NFPA 70 USING SUITABI
- METHODS APPROVED BY AHJ. PROVIDE INDEPENDENT SUPPORT FROM BUILDING STRUCTURE, RAG DUCTWORK, AND OTHER SYSTEMS. INSTALL CONDUCTORS WITH A MINIMUM OF 12 INCHES OF SLACK AT EACH OUTLET.
- 8. NEATLY TRAIN AND BUNDLE CONDUCTORS INSIDE BOXES, WIREWAYS, PANELBOARDS, AND OTHER GROUP OR OTHERWISE IDENTIFY NEUTRAL/GROUNDED CONDUCTORS WITH ASSOCIATED UNGROUNDED CONDUCTORS WITH ASSOCIATED WITH ASSOCIATED UNGROUNDED CONDUCTORS WITH ASSOCIATED WITH ASSOCIATED CONDUCTORS WITH ASSOCIATED WITH ASSOCI INSIDE ENCLOSURES IN ACCORDANCE WITH NFPA 70.
- 9. MAKE WIRING CONNECTIONS USING SPECIFIED WIRING CONNECTORS. 10. MAKE SPLICES AND TAPS ONLY IN ACCESSIBLE BOXES. DO NOT PULL SPLICES INTO RACEWAYS OF BODIES.
- 11. DO NOT REMOVE CONDUCTOR STRANDS TO FACILITATE INSERTION INTO CONNECTORS. 12. CLEAN CONTACT SURFACES ON CONDUCTORS AND CONNECTORS TO SUITABLE REMOVE CORROS
- CONTAMINATES. DO NOT USE WIRE BRUSH ON PLATED CONNECTOR SURFACES. 13. MECHANICAL CONNECTORS: SECURE CONNECTIONS ACCORDING TO MANUFACTURER'S RECOMME 14. COMPRESSION CONNECTORS: SECURE CONNECTIONS USING MANUFACTURER'S RECOMMENDED 15. INSULATE SPLICES AND TAPS ARE MADE WITH UNINSULATED CONNECTORS USING METHODS SUIT.
- APPLICATION, WITH INSULATION AND MECHANICAL STRENGTH AT LEAST EQUIVALENT TO UNSPLICE 16. DRY LOCATIONS: USE INSULATING COVERS SPECIFICALLY DESIGNED FOR THE CONDUCTORS, ELEV SHRINK. PROVIDE PROVISIONS FOR CONNECTIONS LIKELY TO REQUIRE RE-ENTERING, INCLUDING
- 17. DAMP LOCATIONS: USE INSULATING COVERS SPECIFICALLY DESIGNED FOR THE CONNECTORS, EL SHRINK TUBING. 18. WET LOCATIONS: USE HEAT SHRINK TUBING.
- 19. INSULATE ENDS OF SPARE USING VINYL INSULATING ELECTRICAL TAPE. 20. FIELD-APPLIED COLOR CODING: WHERE VINYL COLOR CODING ELECTRICAL TAPE IS USED IN LIEU (INSULATION, APPLY HALF OVERLAPPING TURNS OF TAPE AT EACH TERMINATION AND AT EACH TER LOCATION CONDUCTORS ARE ACCESSIBLE.
- 21. UNLESS SPECIFICALLY INDICATED TO BE EXCLUDED, PROVIDE FINAL CONNECTIONS TO ALL EQUIP INCLUDING THOSE FURNISHED BY OTHERS AS REQUIRED FOR A COMPLETE OPERATING SYSTEM. DISCONNECT SURGE PROTECTIVE DEVICES (SPD) PRIOR TO PERFORMING ANY HIGH POTENTIAL TE
- DAMAGED BY PERFORMING HIGH POTENTIAL TESTING WITH SPD'S CONNECTED. CORRECT DEFICIE DAMAGED OR DEFECTIVE CONDUCTORS AND CABLES.

PART 4 WIRING DEVICES/DATA/COMMUNICATIONS OUTLETS 4.01 GENERAL REQUIREMENTS

INERAL	
A.	THE LOCATION OF ALL WIRING DEVICES AND TELEPHONE /DATA OUTLETS SHALL BE VERIFIED BEF THE ARCHITECT/OWNER. THE ARCHITECT/OWNER, AT THEIR OPTION, RELOCATE ANY DEVICE WITH THE OWNER.
В.	WHERE TWO OR MORE DEVICES ARE SHOWN TOGETHER ON THE PLANS, A MULTI-GANG BOX AND DEVICE OF DIFFERENT VOLTAGES SHALL BE SEPARATED BY PERMANENTLY INSTALLED BOX PART

- ALL OUTLETS SHOWN ON A WALL BACK TO BACK SHALL BE OFFSET A MINIMUM OF 6" HORIZONTALL C.
- ALL MOUNTED WIRING DEVICES SHALL BE INDICATED BY HUBBELL CATALOG NUMBERS WITH EQUA D.
- ACCEPTABLE. COLOR'S AND FINISHES SHALL BE VERIFIED PRIOR TO ORDERING.
- WALL AND CEILING MOUNTED OCCUPANCY/VACANCY SENSORS ARE INDICATED ON DRAWING SCH F. DEVICE PLATES SHALL BE SMOOTH PLASTIC (NYLON) WITH COLOR MATCHING DEVICE INSTALLED.
- G WEATHERPROOF COVERS FOR WET LOCATIONS GASKETED CAST ALLIMINUM OR THERMOPLAST COVERS AND CORROSION RESISTANT SCREWS; LISTED AS SUITABLE FOR USE IN WET LOCATIONS ATTACHMENT PLUGS CONNECTED.
- COORDINATE LIGHT SWITCHES SHOWN ON DRAWINGS AND FIELD VERIFY WITH FINAL DOOR SWING Н. ON LOCK SIDE OF DOOR UNLESS INDICATED.
- VERIFY OUTLET BOXES ARE INSTALLED IN PROPER LOCATIONS AND AT PROPER MOUNTING HEIGH SIZED TO ACCOMMODATE DEVICES AND CONDUCTORS IN ACCORDANCE WITH NFPA 70. WHERE COVER PLATES FOR ALL DEVICES CONFLICT WITH CASEWORK OR MILLWORK. THE MOUNT DEVICES SHALL BE SLIGHTLY ADJUSTED SO THAT THE COVER PLATES CLEAR THE BACKSPLASH BY CONTRACTOR SHALL THOROUGHLY REVIEW THE CASEWORK DRAWINGS AND ARCHITECTURAL ELE ROUGH-IN OF OUTLET BOXES.
- 3. VERIFY FINAL SURFACE FINISHES ARE COMPLETE. INCLUDING PAINTING. INSTALL WIRING DEVICES IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- INSTALL PERMANENT BARRIER BETWEEN GANGED WIRING DEVICE WHEN THE VOLTAGE BETWEEN EXCEEDS 300V.
- 6. CONNECT WIRING DEVICES BY WRAPPING CONDUCTOR CLOCKWISE 3/4 TURN AROUND SCREW TEI TO PROPER TORQUE SPECIFIED BY THE MANUFACTURER. DO NOT USE PUSH-IN PRESSURE THAT I SCREW-ACTUATED BINDING
- 7. CONNECT WIRING DEVICE GROUNDING TERMINAL TO BRANCH CIRCUIT EQUIPMENT GROUNDING C BOX WITH BONDING JUMPER.
- 8. PROVIDE GFCI RECEPTACLES WITH INTEGRAL GFCI PROTECTION AT EACH LOCATION INDICATED. I WIRING FOR DOWNSTREAM PROTECTION.
- 9. INSTALL ALL DEVICES AND PLATES PLUMB AND LEVEL AND MOUNTING YOKE RIGIDLY IN PLACE. INS OFF POSITION DOWN
- 10. INSTALL VERTICAL MOUNTED RECEPTACLES WITH GROUNDING POLE ON TOP AND HORIZONTAL MO WITH GROUNDING ON THE LEFT
- 11. INSTALL BLANK WALL PLATES ON JUNCTION BOXES WITH NO WRING DEVICES INSTALLED OR DESIG 12. ADJUST PRESETS FOR WALL DIMMERS ACCORDING TO MANUFACTURER INSTRUCTIONS AS DIRECT

PART 5 SUPPORTING DEVICES 5.01 GENERAL REQUIREMENTS

A. COORDINATE WITH THE BUILDING STRUCTURAL SYSTEM AND WITH OTHER ELECTRICAL INSTALLAT B. ALL ASSEMBLIES SHALL BE UL APPROVED, MANUFACTURER RECOMMENDED, OR APPROVED BY AH

PART 6 ELECTRICAL IDENTIFICATIONS 6.01 GENERAL REQUIREMENTS

BLACK

GREEN

PURPI F

RED BLUE WHITE

208/120 VOLTS





В. FOR PANELBOARDS: PROVIDE FRAMED, TYPED CIRCUIT SCHEDULES WITH EXPLICIT DESCRIPTIONS ITEMS CONTROLLED BY EACH INDIVIDUAL BREAKER.

IDENTIFICATION REQUIREMENTS: C. 1. USE IDENTIFICATION NAMEPLATES TO IDENTIFY EACH PIECE OF ELECTRICAL DISTRIBUTION AND CO

ASSOCIATED SECTIONS, COMPARTMENTS, AND COMPONENTS. a. MOTOR CONTROL STARTERS:

- IDENTIFY AMPERE RATING. IDENTIFY VOLTAGE AND PHASE.
- 3. IDENTIFY POWER SOURCE AND CIRCUIT NUMBER. INCLUDING LOCATION. a. PANELBOARDS:
- IDENTIFY VOLTAGE AND PHASE. IDENTIFY AMPERE RATING.
- IDENTIFY POWER SOURCE AND CIRCUIT NUMBER. INCLUDE LOCATION. 4. USE TYPE WRITTEN CIRCUIT DIRECTORY TO IDENTIFY LOADS(S) SERVED FOR PANELBOARDS WITH
- AND SPACES USING PENCIL. 5. PROVIDE ADDITIONAL IDENTIFICATION ON ALL PANELS SERVED BY GENERATOR STAND-BY POWER
- a. WIRING DEVICES: IDENTIFY VOLTAGE AND PHASE.
- IDENTIFY POWER SOURCE AND CIRCUIT NUMBER.
- USE PERMANENT IDENTIFICATION LABELS ON WIRING DEVICE PLATES VISIBLE ON DEVICE PLATES DETERMINED BY AHJ, AND OWNER. 4. PROVIDE ADDITIONAL IDENTIFICATION ON ALL DEVICES SERVED FROM GENERATOR STAND-BY POW
- PART 7 GROUNDING

7.01 GENERAL REQUIREMENTS GROUND ELECTRICAL SYSTEMS AND EQUIPMENT IN ACCORDANCE THE MINIMUM NEC REQUIREMENT DRAWING.

WITH UL510 MINIMUM. SAME	В.	CONNECTORS APPROF COMPLYING WITH UL 44	PRIATE AND SUITAE 67.	BLE FOR T	THE COM	NDUCTORS A	ND ITEMS TO BE	CONNECTED, L	ISTED AND	LABELED AS
D SHORT TERM 130	С.	ALL GROUNDING CONE	DUCTORS SHALL BI	E INSTALL CONDUC	ED AS 1 TORS S	TO PERMIT SI SHALL BE ACC	HORTEST PATH F CESSIBLE FOR IN	ROM EQUIPMEN SPECTION AND	NT TO GRO MADE WIT	UND. ALL H APPROVED
		SOLDERLESS CONNEC BY OTHER LISTED FITT	TORS, ALL NON- A INGS APPROVED B	CCESSIBL BY AHJ.	E GROL	JND CONNEC	TIONS SHALL BE	EXOTHERMIC V	VELDED OI	R CONNECTED
ALL-WEATHER VINTE	D.	ALL CONTACT SURFAC METAL CONTACT.	ES SHALL BE THOP	ROUGHLY	CLEAN	ED BEFORE (CONNECTIONS AF	RE MADE TO INS	SURE GOO	D METAL TO
600V. SUITABLE FOR DIRECT	Ε.	EXOTHERMIC GROUND	ING CONNECTION	S SHALL B	BE INSTA	ALLED WITH L	LISTED, WELDING	"SHOTS" AND V		IOLDS LISTED
) BE INSTALLED.	F.	ALL CIRCUITS SHALL C	ONTAIN AN INSULA	ATED GRO	UNDING	CONDUCTC	OR IN BRANCH CIF	CUIT AND FEEL	DER COND	UITS USED.
	G.	ALL GROUND RODS SH	ALL BE 5/8" X 10' C	U. CLAD, I	_ACE AT	10' SPACINO	G WHEN SHOWN (ON DRAWINGS.		
H RESISTANT.	8.01 GENER	AL REQUIREMENTS PANELBOARD CIRCUITI	ING SHALL MATCH	THE DRAV	WINGS,	CIRCUITING	CHANGES MUST I	BE APPROVED I	BY THE	
CONTROL, SIGNALING, AND	В	ARCHITECT/OWNER.			атсн р	ANEL MANUE				
D AS SEPARATE, COMBINING	C.	ALL PANELBOARDS AN	D DISTRIBUTION B	OARDS SH	HALL HA		IM BUSSING AS M	INIMUM STAND	ARD.	
ER CONTAMINANTS.	D.	ALL PANELBOARDS AN SCHEDULES AND DRAV	D DISTRIBUTION B	OARDS AN ED EQUIF	ND OVE	R CURRENT I S NOT PERM	DEVICES SHALL B ITTED.	E FULLY RATED	D FOR AIC	AS SHOWN ON
EXCEED RECOMMENDED HERE NECESSARY AS	E.						RIBUTION EQUIP	IENT PANELS A	FTER ALL	INSTALLATION
	F.	WIRING WITHIN ALL DIS				N A NEAT AN		MANNER AS P	ER ACCEP	TED INDUSTRY
	PART 9 SAFETY A		CT SWITCHES		NOR I					
UNDED CONDUCTORS	9.01 GENER A.	ALL SAFETY AND SERV		SWITCHES	S SHALL	. BE HEAVY D	OUTY TYPE RATED).		
R MAKE SPLICES IN CONDUIT	B. PART 10 LIGHTIN	FUSES < 600 AMPS SHA	ALL BE ("BUSSMAN'	") RK1 OR	APPRO'	VED EQUAL.				
SION, OXIDES, AND OTHER	10.01 GENE A.	RAL REQUIREMENTS All New Lighting Fix	TURES SHALL BE I	NSTALLED	O WITH /	ALL ACCESS	ORIES REQUIRED	TO PROVIDE A	COMPLET	E
ENDED TORQUE SETTINGS.		INSTALLATION. SEE PL/ VERIFIED BY ARCHITEC	ANS FOR SPECIFIC CT/OWNER.	REQUIRE	MENTS	, COLOR OF I	LIGHTING FIXTUR	ES SHALL BE 40	000°K OR 3	000°K AS
ABLE FOR THE ED CONDUCTORS.	PART 11 FIRESTO 11.01 GENE	PPING RAL REQUIREMENTS								
CTRICAL TAPE OR HEAT MOTOR LEADS.	А.	FIRESTOPPING OF JOIN	NTS AND PENETRA IGS OR NOT, AND (TIONS IN I OTHER OP	FIRE-RE PENINGS	SISTANCE-R. SINDICATED.	ATED WALLS AND	CEILING ASSE	MBLIES WI	HETHER
ECTRICAL TAPE, OR HEAT	B. 1.	REFERENCE STANDAR ASTM E2174 - STANDA	DS RD PRACTICE FOR	ON-SITE	INSPEC [®]	TION OF INST	TALLED FIRESTOF	SYSTEMS; 202	0a.	
OF INTEGRALLY COLORED	2.	ASTM G21 - STANDARE WITH EDITORIAL REVIS) PRACTICE FOR D SION (2021.)	ETERMINI	NG RES	SISTANCE OF	SYNTHETIC POL	MERIC MATER	IALS TO FL	JNGI; 2015,
MENT AND DEVICES,	С.	FOLLOW MANUFACTUR MANUFACTURER'S QUA	ER'S INSTALLATIO	N INSTRU EMENT.	CTIONS	: INDICATE P	REPARATION, INS	STALLATION INS	STRUCTION	IS, AND
	D.	APPROVAL FROM AUTH	HORITY HAVING JU	RISDICTIC	on indic		OVAL OF MATERI	ALS USED.		
ENCIES AND REPLACE	Ε.	MANUFACTURER QUAL WITH MINIMUM THREE	IFICATIONS: COMP	PANY SPE	CIALIZIN RIENCE	IG IN MANUF	ACTURING THE P	RODUCTS SPEC	CIFIED IN T	HIS SECTION
	F. 1.	MANUFACTURERS FIRESTOPPING MANUF	ACTURERS:							
ORE INSTALLATION WITH IN 6 FEET AT NO CHARGE TO		a. 3M FIRE PROTECTION. HILTI, INC.; www.hilti	ON PRODUCTS; ww .com/#sle	vw.3m.com	/firestop	/#sle.				
		c. HOLDRITE, A BRAN www.holdrite.com/#sl	D OF RELIANCE W(le S APPROVED BY A	ORLDWIDE		ORATION; HY FER	DROFLAME 100 II	NTUMESCENT F	IRESTOP	SEALENT;
TIONS.	G.	MATERIALS								
_Y. NLS IN LEVITON, LEGRAND	1. 2.	USE FIRESTOPPING M/ MOLD AND MILDEW RE (0) IN ACCORDANCE W	ATERIALS: ANY MA SISTANCE: PROVII ITH ASTM G21.	TERIALS N DE FIREST		G REQUIREM	ENTS. S WITH MOLD AND	MILDEW RESIS	STANCE RA	TING OF ZERO
EDULES.	3. 4.	PRIMERS, SLEEVES, FO REQUIRED FOR TESTE FIRE RATINGS: REFER	DRMS, INSULATION D FIRESTOPPING A TO DRAWINGS FO	N, PACKINO ASSEMBL' R REQUIR	G, STUF Y. ED SYS	FING, AND A	CCESSORIES: PR	OVIDE TYPE OF	MATERIAL	-S AS
	Н.	FIRESTOPPING SYSTEM								:D'C
C, WITH HINGED LOCKABLE WHILE IN USE WITH	1. 2. 3	INSTALL MATERIALS IN INSTRUCTIONS, COMP DO NOT COVER INSTAL DO NOT COVER INSTAL	LETELY CLOSING (LED FIRESTOPPIN	OPENINGS	NSPEC	TED BY OWN	ER'S INDEPENDE		ENCY.	K3
GS, LOCATE LIGHT SWITCH	4. PART 12 EQUIPMI	CLEANING: CLEAN ADJ	ACENT SURFACES	S OF FIRES	STOPPIN	NG MATERIAL	_S.			
ITS AND ARE PROPERLY	12.01 GENE A.	RAL REQUIREMENTS ALL EQUIPMENT PROVI	IDED ON THIS PRO	JECT SHA	LL HAVI	E MANUFACT	URER TERMINAT	ONS RATED AT	75°C.	
ING HEIGHTS OF WIRING Y 1/4". THE ELECTRICAL EVATIONS PRIOR TO	PART 13 RECORD 13.01 GENE	DRAWINGS RAL REQUIREMENTS								
	А.	DURING THE CONSTRU CONTRACT DRAWINGS	ON WHICH SHALL	OJECT, TI BE RECO	HE CON RDED A	TRACTOR SH LL, BUT NOT NT SIZE CHA	ALL MAINTAIN ON LIMITED TO, SIGN	NE COMPLETE S	SET OF ELE GES IN EQINS TO THE	ECTRICAL UIPMENT E PROJECT
ADJACENT DEVICES		LOCATIONS OF ALL CO FEEDER CIRCUIT LOCA	NDUITS AND WIRIN TIONS, ETC. THIS S	NG BELOW SET OF DF	GRADE RAWING	E, LOCATIONS S SHALL BE U	S OF ALL INSTALL USED TO PREPAR	ED PULL AND J	UNCTION E	3OXES, DBE
RMINAL AND TIGHTENING DO NOT RELY ON	В.	SUBMITTED TO THE OV		LETION O	F THE P ACTOR	ROJECT. SHALL PREP	ARE AN OPERATI	ON AND MAINTE	ENANCE M	ANUAL WHICH
CONDUCTOR AND TO OUTLET		SHALL INCLUDE CATAL MAINTENANCE PROCEI	OG DATA, EQUIPM DURES, REPLACEM	ENT INFO	RMATIC	N, WIRING D S, ETC. FOR	IAGRAMS, WARRATHE ELECTRICAL	NTY INFORMATINSTALLATION.	TION, RECO	OMMENDED
DO NOT USE FEED THRU		DELIVERED TO THE AR	CHITECT FOR APP	E ARCHIII ROVAL AN	ID PRES	SENTATION T	OF THESE SPEC	FICATIONS. THI	ESE MANU	ALS SHALL BE
OUNTED RECEPTACLES										
GNATED FOR FUTURE. TED BY OWNER.										
IONS.										
łJ.										
UCTORS AS FOLLOWS:										
							REVIS	IONS		
				BY	NO.	DATE		DESCRI	PTION	
S AND IDENTIFICATION OF										
ONTROL EQUIPMENT AND										
			ELECTRICA	L SPEC	CIFICA	ATIONS				
				ע גע גע	EBF	т со	MMIIN	ТА СС) F	GE
A DOOR. IDENTIFY SPARES			$ $ $\frac{\nabla F}{WA}$	YNF	E W	$\frac{2100}{EST0}$)FFICE	RENOV		IONS
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OR INSIDE PLATES AS	H CAROL		MOREHEAD					NIY	NORT	H CAROLINA
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(252) 247-7479 LICENSE NO.C-0647

ELECTRICAL DEMOLITION PLAN NOTES

- REMOVE ALL EXISTING RECEPTACLES, DATA OUTLETS, AND WIRING LOCATED WITHIN THIS SHADED REGION. RELOCATE ALL EXISTING LIGHT FIXTURES IN THIS SHADED REGION AS SHOWN ON SHEET E5, THESE EXISTING LIGHTS ARE DENOTED "E1" IN THE LUMINAIRE SCHEDULE. SEE SHEET E6 FOR FIRE ALARM DEMOLITION PLAN.
- REMOVE ALL EXISTING LIGHTING, RECEPTACLES, AND WIRING LOCATED WITHIN THIS SHADED AREA. THESE LIGHTING FIXTURES ARE NOT TO BE REUSED.
- 3. ALL EXISTING LIGHTING, RECEPTACLES, WIRING, AND DATA OUTLETS LOCATED WITHIN THE NON-SHADED AREA OF WORK ARE EXISTING TO REMAIN.
- 4. ALL EXISTING RECEPTACLES, LIGHTING, AND WIRING LOCATED WITHIN THE BATHROOM ARE EXISTING TO REMAIN.







CHEDU	LE		
VOLTS	NOTE 1	NOTE 2	NOTE 3
20V 1P 2W	PROVIDE HUBBELL "HBL5362" OR APPROVED EQUAL, MATCH COLOR TO EXISTING RECEPTACLES	PROVIDE STAINLESS STEEL PLATES TO MATCH EXISTING PLATES	U.O.N. MOUNT AT 18" AFF TO CENTER

COMMUNICATIONS SCHEDULE									
CALLOUT	SYMBOL	NOTE 1	NOTE 2						
DATA OUTLET	Φ	PROVIDE 4X4 DEEP BOX WITH: (2) CAT 5e TO NEAREST DATA PATCH PANEL, (1) CAT 5e CABLE TO NEAREST TELEPHONE PATCH PANEL, (1) COAX CABLE TO NEAREST CATV TERMINAL BOARD	U.O.N. MOUNT AT 18" AFF TO CENTER						

ELECTRICAL GENERAL NOTES

1. ALL EMERGENCY/EXIT LIGHTING FIXTURES SHALL BE CIRCUITED TO UNSWITCHED CIRCUIT FOR LIGHTING IN AREA BEING SERVED. PROVIDE INSTALLATION AND AIMING FOR ALL EMERGENCY LIGHTING TO PROVIDE MAXIMUM LIGHTING COVERAGE.

ELECTRICAL PLAN NOTES

1. PANEL 2L IS EXISTING TO REMAIN IN ELECTRICAL ROOM 231 ON OPPOSITE SIDE OF BUILDING. SEE SHEET E1 FOR PANEL SCHEDULES OF EXISTING BREAKERS TO REMAIN AND BREAKERS THAT WILL CHANGE.

LUMI	LUMINAIRE SCHEDULE									
CALLOUT	SYMBOL	DESCRIPTION	MOUNTING	MODEL	INPUT WATTS	COLOR	VOLTS	NOTE 1	NOTE 2	NOTE 3
А		LJT LED, LENSED TROFFER 2' X 4' LED WITH A12 PATTERN ACRYLIC PRISMED LENS	CEILING	COLUMBIA LIGHTING – LJT24–35MLG–FSA12–EU	38.4	3500K	277V 1P 2W	DIMENSION OF UNIT: 49" L, 25" W, 3.75" H		
E2		EXISTING 2'X4' FLOURESCENT 2-LAMP LUMINAIRE TO BE REUSED	CEILING		30		277V 1P 2W	PROVIDE GREENCREATIVE – CCT SELECT T8 UEB LED TUBE, SELECTABLE CCT, INTEGRAL LED DRIVER, 60,000 HOUR RATED LIFETIME, 4' LENGTH	PROVIDE REWIRING OF EXISTING 2-LAMP FLOURESCENT TROFFER, ALL BROKEN SOCKETS ARE TO BE REPLACED BY CONTRACTOR, PROVIDE DISPOSAL OF ALL EXISTING LAMPS AS PER ENVIRONMENTAL REQUIREMENTS	PRIOR TO STARTING PROJECT, VERIFY AND REPORT ALL BROKEN LENSES TO OWNER, CONTRACTOR SHALL REPLACE ALL BROKEN LENSES, AFTER COMPLETION OF REWIRING AND INSTALLATION, CLEAN ALL EXISTING TROFFERS AND LENSES
E3		EXISTING 2'X4' FLOURESCENT 3-LAMP LUMINAIRE TO BE REUSED	CEILING		45		277V 1P 2W	PROVIDE GREENCREATIVE – CCT SELECT T8 UEB LED TUBE, SELECTABLE CCT, INTEGRAL LED DRIVER, 60,000 HOUR RATED LIFETIME, 4' LENGTH	PROVIDE REWIRING OF EXISTING 3-LAMP FLOURESCENT TROFFER, ALL BROKEN SOCKETS ARE TO BE REPLACED BY CONTRACTOR, PROVIDE DISPOSAL OF ALL EXISTING LAMPS AS PER ENVIRONMENTAL REQUIREMENTS	PRIOR TO STARTING PROJECT, VERIFY AND REPORT ALL BROKEN LENSES TO OWNER, CONTRACTOR SHALL REPLACE ALL BROKEN LENSES, AFTER COMPLETION OF REWIRING AND INSTALLATION, CLEAN ALL EXISTING TROFFERS AND LENSES
ХВ		LED COMPACT EMERGENCY LIGHT UNIT, FULLY ADJUSTABLE LED ACRYLIC LENSED LIGHTS, WHITE THERMOPLASTIC, NIMH BATTERY, UL924, DAMP LOCATION RATED	WALL	COMPASS LIGHTING - CU2RC OR APPROVED EQUAL	1		120V 1P 2W	DIMENSION OF UNIT: 9"L X 4" W X 2.75" DP	MOUNT AT 6" BELOW CEILING IN SALES AREA AND 10' AFF IN WAREHOUSE	PROVIDE FINAL AIMING AS DIRECTED BY ENGINEER
XE	κ¢Ι	LED WALL MOUNTED EMERGENCY/EXIT RED LETTERS, HIGH IMPACT WHITE THERMOPLASTIC HOUSING DAMP LOCATION MOUNTED, REMOTE UNIT BATTERY CAPACITY FOR REMOTE OUTDOOR UNIT	WALL	COMPASS LIGHTING - CCRGRC OR APPROVED EQUAL	4.4		120V 1P 2W	DIMENSION OF UNIT: 18" L X 7.2" W X 4.3" DP	MOUNT ON CEILING IN CORRIDOR OR 12" ABOVE DOORWAYS	PROVIDE FINAL AIMING AS DIRECTED BY ENGINEER





CALLOUT	SYMBOL	NOTE 1	NOTE 2
NGLE POLE WITCH	\$	HUBBELL 1221 OR APPROVED EQUAL IN ARCHITECT APPROVED COLOR	MOUNT AT 48" AFF U.O.N.
HREEWAY WITCH	\$3	HUBBELL 1223 OR APPROVED EQUAL IN ARCHITECT APPROVED COLOR	MOUNT AT 48" AFF U.O.N.



PROJECT NO.: <u>PM3167~001</u> DRAWING NO.: 006

GRAPHIC SCALE: 1/8"=1'-0"

				REVIS	IONS					
	BY	NO.	DATE		DESCRIP	TION				
BEFORE YOU DIG! NC ONE CALL (TOLL FREE)	LMS	1	3/27/24		ADDEND	UM 1				
(OR 1-800-632-4949) IT'S THE LAW!										
FIRE ALARI	M PLAI	N								
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\underline{C}	ART	ERI	ET CON	AMUNI	TY CO	LLE	EGE			
WA	YNF	ΞW	EST O	FFICE I	RENOV	/ATI	IONS			
MOREHEAD	O CITY		CARTE	RET COUN	TY	NORT	H CAROLINA			
OWNER: CA	RTERE	Г СОМ	MUNITY COI	LEGE						
ADDRESS: 371	3 AREN	DELL	ST							
MC PHONE:	MOREHEAD CITY, NC 28557									
THORE.										
				DESIGNED:	WGB	DATE:	02/06/2024			
STROU	D ENGI	NEERI	NG, P.A.	DRAWN:	WGB	SCALE:	AS NOTED			
	HWAY 24	NC 285	57	APPROVED.			_			
	7_7479		CENSE NO.C-0647		LMS	SHEET	E5 OF 5			

AEL cuSigned b L. Michael Stroud 3/27/2024 -83C7A3E754894E9 L. MICHAEL STROUD, P.E.

#PE021990