

LIGHTING

	CEILING MOUNTED FIXTURE. 'XX' DESIGNATES FIXTURE TYPE AS SPECIFIED ON LIGHTING FIXTURE SCHEDULE.
	FIXTURE PROVIDING EMERGENCY ILLUMINATION. 'XX' DESIGNATES FIXTURE TYPE AS SPECIFIED ON LIGHTING FIXTURE SCHEDULE.
	CEILING MOUNTED DOWNLIGHTING FIXTURE. 'XX' DESIGNATES FIXTURE TYPE AS SPECIFIED ON LIGHTING FIXTURE SCHEDULE.
	SURFACE MOUNT OR SUSPENDED FIXTURE INDUSTRIAL STRIP TYPE FIXTURE 'XX' DESIGNATES FIXTURE TYPE AS SPECIFIED ON LIGHTING FIXTURE SCHEDULE.
	WALL MOUNTED FIXTURE. 'XX' DESIGNATES FIXTURE TYPE AS SPECIFIED ON LIGHTING FIXTURE SCHEDULE.
	TRACK LIGHTING. LENGTH AND NUMBER OF FIXTURES AS INDICATED ON PLANS. 'XX' DESIGNATES FIXTURE TYPE AS SPECIFIED ON LIGHTING FIXTURE SCHEDULE.
	TWIN HEAD EMERGENCY BATTERY UNIT. 'XX' DESIGNATES FIXTURE TYPE AS SPECIFIED ON LIGHTING FIXTURE SCHEDULE.
	CEILING MOUNTED REMOTE BATTERY HEADS. AIMING AS INDICATED. 'XX' DESIGNATES FIXTURE TYPE AS SPECIFIED ON LIGHTING FIXTURE SCHEDULE.
	WALL MOUNTED REMOTE BATTERY HEADS. AIMING AS INDICATED. 'XX' DESIGNATES FIXTURE TYPE AS SPECIFIED ON LIGHTING FIXTURE SCHEDULE.
	EXIT SIGN; CEILING MOUNTED; ARROWS AS INDICATED. 'XX' DESIGNATES FIXTURE TYPE AS SPECIFIED ON LIGHTING FIXTURE SCHEDULE.
	EXIT SIGN; WALL MOUNTED; ARROWS AS INDICATED. 'XX' DESIGNATES FIXTURE TYPE AS SPECIFIED ON LIGHTING FIXTURE SCHEDULE.
	EXIT SIGN WITH EMERGENCY HEADS; ARROWS AS INDICATED. 'XX' DESIGNATES FIXTURE TYPE AS SPECIFIED ON LIGHTING FIXTURE SCHEDULE.
	POLE MOUNTED LIGHT FIXTURE. 'XX' DESIGNATES FIXTURE TYPE AS SPECIFIED ON LIGHTING FIXTURE SCHEDULE. ONLY SINGLE FIXTURE SHOWN.
	WALL SWITCH. 'XX' DESIGNATES: NO SUBSCRIPT DENOTES SINGLE POLE 3 - 3 WAY SWITCH 4 - 4 WAY SWITCH D - DIMMER K - KEY OPERATED L - WITH PILOT LIGHT M - MOTOR RATED O - OCCUPANCY MOTION SENSOR W/OVERRIDE T - TIMER AS - DENOTES OCCUPANCY OVERRIDE CR - CORROSION RESISTANT EP - EXPLOSION PROOF TS - TIME SWITCH WP - WEATHERPROOF
	LIGHTING CONTROL POWER PACK
	CEILING MOUNTED SENSOR. 'X' DESIGNATES SENSOR AS SPECIFIED IN THE SENSOR SCHEDULE.
	WALL MOUNTED OCCUPANCY SENSOR. 'X' DESIGNATES SENSOR AS SPECIFIED IN THE SENSOR SCHEDULE.
ALL DEVICES/PLATES TO BE IN OWNERS CHOICE OF COLORS.	

RACEWAYS

	OVERHEAD ELECTRICAL
	CONDUIT RUN CONCEALED ABOVE CEILING OR IN WALLS
	CONDUIT RUN BELOW GRADE OR IN SLAB
	CONDUIT RUN EXPOSED PARALLEL OR PERPENDICULAR TO BUILDING LINES
	HOMERUN TO PANELBOARD ANY CIRCUIT WITHOUT FURTHER DESIGNATION 2#12, 1#12 GRD. MINIMUM CONDUIT SIZE SHALL BE 3/4"
	FLEXIBLE CONDUIT
	CONDUIT TURNING DOWN
	CONDUIT TURNING UP
	CONDUIT CAPPED
	EXPLOSIONPROOF CONDUIT SEAL
	CONDUIT EXPANSION FITTING
	HAND HOLE (SIZE PER NEC)
	MAN HOLE (SIZE PER NEC)
	PULL BOX (DRAWN TO SCALE ON PLANS)
	CABLE TRAY (DRAWN TO SCALE ON PLANS)
	CONCRETE ENCASED DUCT BANK BELOW GRADE
	CABLE TAG. DESIGNATIONS: FOR 'W': H - POWER (>5KVAC) M - POWER (601-4999VAC) P - POWER (241-800VAC) L - POWER (51-240VAC) D - DC POWER C - CONTROL (TO A STARTER) I - INSTRUMENTATION (TO A PLC) E - EMERGENCY SHUT DOWN F - FIBER OPTIC COMMUNICATIONS O - OTHER COMMUNICATIONS
	FOR 'XXXX': EQUIPMENT REFERENCE
	FOR 'YY': ALPHANUMERIC SUFFIX AS NEEDED
	RACEWAY TAG. DESIGNATIONS: FOR 'XXX': ELECTRICAL SHEET REFERENCE
	FOR 'YY': SEQUENTIAL REFERENCE

GROUNDING & LIGHTNING PROTECTION

	CONNECTION TO GROUND GRID. MECHANICAL OR CADWELD CONNECTION AS NOTED.
	GROUND ROD.
	GROUND TEST STATION.
	GROUND ANODE.
	VEHICLE GROUNDING STATION.
	GROUNDING GRID OR COUNTERPOISE SYSTEM CONDUCTOR.
	LIGHTNING PROTECTION AIR TERMINAL.
	LIGHTNING PROTECTION DISSIPATION AIR TERMINAL.
	LIGHTNING PROTECTION SYSTEM CONDUCTOR.
	LIGHTNING PROTECTION SYSTEM DOWN CONDUCTOR.

ELEMENTARY WIRING SCHEMATICS

	PRESSURE SWITCH - NORMALLY OPEN.
	PRESSURE SWITCH - NORMALLY CLOSED.
	DIFFERENTIAL PRESSURE SWITCH - NORMALLY OPEN.
	DIFFERENTIAL PRESSURE SWITCH - NORMALLY CLOSED.
	TIME DELAY SWITCH - TIMER ON DELAY (CLOSES AFTER TIMER EXPIRES).
	TIMER DELAY SWITCH - TIMER OFF DELAY (OPENS AFTER TIMER EXPIRES).
	VIBRATION SWITCH - NORMALLY OPEN
	VIBRATION SWITCH - NORMALLY CLOSED
	PANEL MOUNTED INDICATOR LIGHT 'X' INDICATES COLOR: A - AMBER G - GREEN R - RED W - WHITE B - BLUE
	PANEL MOUNTED INDICATOR LIGHT 'PUSH TO TEST' TYPE. 'X' INDICATES COLOR: A - AMBER G - GREEN R - RED W - WHITE B - BLUE
	EXTERNALLY MOUNTED DEVICE. DASHED LINE INDICATES WIRING EXTERNAL TO PANEL.
	TERMINAL BLOCK. 'X' INDICATES TERMINAL NUMBER. '#B' INDICATES TERMINAL BLOCK NUMBER
	PHOTOCELL.
	SELECTOR SWITCH. 'X' INDICATES SWITCH POSITION. TOTAL DIGITS PER LINE INDICATES NUMBER OF SWITCH POSITIONS (THREE SHOWN).
	MOMENTARY PUSH BUTTON - NORMALLY OPEN
	MOMENTARY PUSH BUTTON - NORMALLY CLOSED
	EMERGENCY SHUTDOWN/STOP - NORMALLY CLOSED
	COIL CONTACTS. VOLTAGE AS INDICATED ON SCHEMATICS 'X' DESIGNATES: C - CONTROL RELAY LC - LIGHTING CONTACTOR M - MOTOR CONTACTOR T - TIME DELAY RELAY
	SOLENOID COIL.
	NORMALLY OPEN CONTACT.
	NORMALLY CLOSED CONTACT.
	LIMIT SWITCH - NORMALLY OPEN.
	LIMIT SWITCH - NORMALLY CLOSED.
	LIMIT SWITCH - NORMALLY OPEN, HELD CLOSED.
	LIMIT SWITCH - NORMALLY CLOSED, HELD OPEN.
	LIQUID LEVEL (FLOAT) SWITCH - NORMALLY OPEN.
	LIQUID LEVEL (FLOAT) SWITCH - NORMALLY CLOSED.
	FLOW SWITCH - NORMALLY OPEN.
	FLOW SWITCH - NORMALLY CLOSED.
	TEMPERATURE SWITCH - NORMALLY OPEN.

OUTLETS AND RECEPTACLES

	DUPLEX RECEPTACLE, MOUNT 18" AFF UNLESS OTHERWISE NOTED.
	QUADPLEX RECEPTACLE, MOUNT 18" AFF UNLESS OTHERWISE NOTED.
	SINGLE OUTLET RECEPTACLE, MOUNT 18" AFF UNLESS OTHERWISE NOTED.
	SPECIAL PURPOSE RECEPTACLE, MOUNT 18" AFF UNLESS OTHERWISE NOTED.
FOR ALL RECEPTACLES, 'XX' DESIGNATES: AC - INSTALL 6" ABOVE COUNTER / BACKSPLASH (GFI REQUIRED). CLG - CEILING MOUNT CR - CORROSION RESISTANT EP - EXPLOSION PROOF GF - GROUND FAULT WP - WEATHERPROOF	
	MULTI-RECEPTACLE ASSEMBLY WITH RECEPTACLES AS INDICATED.
	JUNCTION BOX
	FLOOR MOUNTED DUPLEX RECEPTACLE.
	FLOOR MOUNTED BOX POWER AND TELCOM RECEPTACLES.
ALL DEVICES/PLATES TO BE IN OWNERS CHOICE OF COLORS.	
	WALL MOUNTED DATA OUTLET. 18" AFF UNLESS OTHERWISE NOTED.
	FLOOR MOUNTED DATA OUTLET. 'X' DESIGNATES: F - FLUSH S - SURFACE
	WALL MOUNTED TELEPHONE OUTLET. 18" AFF UNLESS OTHERWISE NOTED.
	FLOOR MOUNTED TELEPHONE OUTLET. 'X' DESIGNATES: F - FLUSH S - SURFACE
	WALL MOUNTED TELEPHONE/DATA COMBINATION OUTLET. 18" AFF UNLESS OTHERWISE NOTED.
	FLOOR MOUNTED TELEPHONE/DATA COMBINATION OUTLET. 'X' DESIGNATES: F - FLUSH S - SURFACE
	BLUE INDICATOR LIGHT FOR EMERGENCY CALL BOX.
	EMERGENCY CALL BOX.
	LANE USE SIGNAL. 18" X 18" LED TYPE WITH GREEN "1" AND RED "X".
	CCTV CAMERA. MOUNTING AS INDICATED ON PLANS. 'X' DESIGNATES: F - FIXED TYPE PTZ - PAN TILT ZOOM
	ETHERNET ADAPTER
	CELLULAR MODEM

HVAC

	THERMOSTAT
	AMBIENT TEMPERATURE TRANSMITTER
	UNIT HEATER

ELEMENTARY WIRING SCHEMATICS

	KEY SWITCH
	NON RESETTABLE RUN TIME METER.
	BATTERY - VOLUME AND AMP HOURS AS INDICATED.
	FULL WAVE RECTIFIER.
	HORN ELEMENT.
	EXTERNALLY MOUNTED ALARM LIGHT.

FIRE ALARM

	VOICE EVACUATION PANEL
	FIRE ALARM ANNUNCIATOR PANEL
	FIRE ALARM CONTROL PANEL
	FIRE ALARM MANUAL PULL STATION
	FIRE ALARM SMOKE DETECTOR
	HEAT DETECTOR
	FIRE ALARM DUCT SMOKE DETECTOR
	FIRE ALARM STROBE LIGHT WALL MOUNTED
	FIRE ALARM SPEAKER/STROBE LIGHT COMBINATION WALL MOUNTED
	HORN UNIT ONLY
	FIRE ALARM STROBE CEILING MOUNTED
	FIRE ALARM RELAY
	FIRE EXTINGUISHER.
	FIRE ALARM FLOW SWITCH
	LOW PRESSURE SWITCH
	FIRE ALARM TAMPER SWITCH
	FIRE ALARM TELEPHONE BASE
	MASS NOTIFICATION SPEAKER/STROBE LIGHT COMBINATION (WEATHER PROOF) WALL MOUNTED
	MASS NOTIFICATION SPEAKER/STROBE COMBINATION CEILING MOUNTED
	MASS NOTIFICATION SPEAKER CEILING MOUNTED

NCDOT PASSENGER FERRY DOCK REPLACEMENT - HATTERAS ISLAND

E-002 ELECTRICAL LEGEND AND NOTES 2

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GRAPHIC SCALE

PROJECT ENGINEER

Digitally signed by Andrew K Gibbs
Date: 2026.02.17 08:02:05-06'00'

ANDREW K. GIBBS, P.E.
NC LICENSE: 041677

Designed By	RICHARD FERREIRA		County	DARE COUNTY	
Entered By	RICHARD FERREIRA		Division	FERRY DIVISION	
Project Engineer	ANDREW GIBBS		Plan Date	1-14-2026	
Project Manager	ALLISON THORBURN				
Rev.	Date	Drawn	Description	Ch'k'd	App'd