

GENERAL NOTES:

- 1 UNLESS SPECIFICALLY NOTED OTHERWISE, ALL UNDERGROUND CONCRETE ENCASED ELECTRICAL CONDUITS SHALL BE PER STANDARD DETAIL
- 2 THE INSTALLATION OF ALL CONCRETE ENCASED ELECTRICAL CONDUITS SHALL COMPLY WITH ACI 318, SECTION 6.3. CONTRACTOR SHALL SUPPLY EXPANSION JOINT FITTINGS AS REQUIRED FOR THERMAL EXPANSION AND DEFLECTION.
- 3 BOND ALL NEW CONCRETE ENCASED GROUND CONDUCTORS TO EXISTING GROUND CONDUCTORS IN ALL MANHOLES, PULL BOXES, CABLE TRAYS, AND SIMILAR LOCATIONS WHERE APPLICABLE.
- UNLESS OTHERWISE SPECIFIED OR NOTED, ALL WALL MOUNTED ELECTRICAL PANELS, ENCLOSURES, AND SIMILAR EQUIPMENT SHALL BE MOUNTED 6'-6"
- 5 UNLESS OTHERWISE NOTED, ALL LIGHTING SWITCHES, CONTROL SWITCHES, AND SIMILAR EQUIPMENT SHALL BE MOUNTED WITH THEIR CENTERLINE APPROXIMATELY 4'-0' ABOVE FINISHED FLOOR, SLAB, OR GRADE. THERMOSTATS SHALL BE MOUNTED 4'-4' ABOVE FINISHED FLOOR.
- 6 A SEPARATE EQUIPMENT GROUNDING CONDUCTOR SHALL BE PROVIDED FOR EACH CIRCUIT (SEPARATE CONDUCTOR IN THE CONDUIT) THE CONDUCTOR SHALL BE TERMINATED AT THE PROPER DEVICE, TERMINAL OR LUG AT THE POWER SOURCE (MCC GROUND BUS, PANELBOARD GROUND BUS, ETC.) GROUND CONDUCTOR SIZE SHALL BE PER THE LATEST EDITION OF THE NEC.
- 7 UNLESS SPECIFICALLY NOTED OTHERWISE. EXISTING ONLESS SPECIFICALLY NOTED OTHERWISE, EXISTING PAVEMENT SHALL BE SAW CUT AND REMOVED TO ALLOW FOR THE INSTALLATION OF NEW ELECTRICAL DUCTBANKS. AFTER INSTALLATION, REPLACE PAVEMENT WITH NEW TO MATCH ORIGINAL CONDITIONS.

EQUIPMENT/DEVICE LOCATION SYMBOLS

ABBREVIATIONS

TWISTED PAIR SHIFLDED

ONE PA/INTERCOM CABLE

TWO PA/INTERCOM CABLES

NON-FUSED SAFETY SWITCH

REDUCED VOLTAGE AUTO TRANSFORMER

REDUCED VOLTAGE SOLID STATE

VARIABLE FREQUENCY DRIVE

MOTOR OPERATED LOUVER

POINT OF COMMON COUPLING

REMOTE RACK (FOR PLC)

LOCAL CONTROL STATION

TWISTED TRIAD SHIELDED

PROGRAMMABLE LOGIC CONTROLLER

LOCAL_OFF_REMOTE

HAND_OFF_AUTO

WALK THRU

FUSED SAFETY SWITCH

STAINLESS STEEL

LOCATED AT MCC, COMBINATION STARTER, OR BYPASS STARTER

AUTO-TRANSFORMER TEMPERATURE SWITCH

△ LOCATED IN FIELD

LOCK-OUT

- \bigcirc_1 NOT USED
- ☐ LOCATED AT VFD

MISC PLAN VIEW SYMBOLS

(E) EQUIPMENT CONNECTION

GROUND ROD

(#)

CONCRETE ENCASED DUCT BANK IDENTIFIER. # DENOTES NUMBER.

CONDUIT AND WIRE (SEE LEGEND) INSTRUMENT TRANSMITTER

COMMUNICATIONS

TELEPHONE AND NETWORK CONNECTION WALLPLATE

PAGER RECEPTACLE HORN/LIGHT DEVICE

				DESIGNED. BRL
				DDI
				DRAWNBKL
				CHECKED
3	RECORD DRAWING	JAN 2006	RLT	PROJ. ENGR. DAN
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RECORD DRAWING

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CITY OF ROANOKE VIRGINIA

REGIONAL WATER POLLUTION CONTROL PLANT PROCESS TRAIN IMPROVEMENTS

ELECTRICAL LEGEND AND GENERAL NOTES

THE SCALE BAR SHOWN BELOW MEASURES ONE INCH LONG ON THE ORIGINAL DRAWING.

DATE JANUARY 2004 H & S JOB 30788C CONTRAC DRAWING NUMBER E1

DATE BY APPROVED