

p:\active projects\12-033 stantec_new fire station no. 3\12-033 ver1\12-033 tb - stantec_arch_d_vet

A

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ELECTRICAL SYMBOL LEGEND

GENERAL

	KEYNOTE
A-1.3	CIRCUIT TAG; PANEL AND CIRCUIT DESIGNATION AS INDICATED; E.G. PANEL "A", CIRCUIT #1.3

WIRE, CONDUIT, AND RACEWAY

	ABOVE-SLAB CONDUIT & WIRE/CABLING
	BELOW-SLAB CONDUIT & WIRE/CABLING; 3/4" MINIMUM CONDUIT SIZE UON
	HOMERUN TO PANEL; TICK MARKS INDICATED NUMBER OF WIRES

DISTRIBUTION

	PANELBOARD, SWITCHBOARD, OR OTHER DISTRIBUTION EQUIPMENT AS NOTED; INSTALL WITH SUFFICIENT WORKING SPACE AND CLEARANCES TO MEET ALL REQUIREMENTS OF NEC SECTION 110.26.
GEN-ANNC	GENERATOR REMOTE ANNUNCIATOR PANEL; PROVIDE CONDUIT/CABLING TO GENERATOR AS REQUIRED PER THE MANUFACTURER'S SPECIFICATIONS.

EQUIPMENT CONNECTIONS

(PROVIDE CONDUIT AND WIRE PER THE PANEL SCHEDULE)

	FUSED SAFETY DISCONNECT SWITCH; LOCATE WITHIN SIGHT OF THE EQUIPMENT SERVED WITH 36" MINIMUM CLEAR WORKING SPACE IN FRONT OF THE SWITCH; DO NOT MOUNT DIRECTLY TO EQUIPMENT
J	JUNCTION BOX
M	JUNCTION BOX FOR MOTORIZED DAMPER
S ^M	MOTOR RATED SWITCH WITH THERMAL OVERLOAD; LOCATE WITHIN SIGHT OF THE EQUIPMENT SERVED; DO NOT MOUNT DIRECTLY TO EQUIPMENT; WHEN LOCATED ABOVE CEILING, MOUNT TO STRUCTURAL MEMBER NEARBY.

	ELECTRICAL MOTOR; HORSEPOWER AS NOTED
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POWER DEVICES

(PROVIDE CONDUIT AND WIRE PER THE PANEL SCHEDULE)

	DUPLEX RECEPTACLE
	DUPLEX RECEPTACLE MOUNTED FLUSH TO CEILING OR MOUNTED TO STRUCTURE IN AREAS WITH NO CEILING; SUBSCRIPT (WHEN USED): CR - CORD REEL
	ABOVE-COUNTER DUPLEX RECEPTACLE; MOUNT AT 4" ABOVE COUNTER OR BACKSPASH OR 44" (WHICHEVER IS LOWER)
	GFCI DUPLEX RECEPTACLE
	ABOVE-COUNTER GFCI DUPLEX RECEPTACLE; MOUNT AT 4" ABOVE COUNTER OR BACKSPASH OR 44" (WHICHEVER IS LOWER)
	QUADRUPLEX RECEPTACLE
	ABOVE-COUNTER QUADRUPLEX RECEPTACLE; MOUNT AT 4" ABOVE COUNTER OR BACKSPASH OR 44" (WHICHEVER IS LOWER)

	SPECIAL PURPOSE RECEPTACLE; VERIFY NEMA CONFIGURATION WITH THE MANUFACTURER OF THE EQUIPMENT SERVED
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	VOICE/DATA/POWER FLUSH FLOOR BOX
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	DUPLEX RECEPTACLE FLUSH FLOOR BOX
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	QUADRUPLEX RECEPTACLE FLUSH FLOOR BOX
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PUBLIC ADDRESS

(PROVIDE 3/4" EC WITH PULL STRING FROM THE DEVICE LOCATION SHOWN ON THE DRAWINGS TO AN ACCESSIBLE LOCATION ABOVE CEILING)

PA	PA SYSTEM SPEAKER
V	PA SYSTEM SPEAKER VOLUME CONTROL
I	PA SYSTEM SPEAKER MOUNT CALL-IN SWITCH

ABBREVIATIONS

A	AMPERE(S)	CATV	CABLE TELEVISION
AC	ABOVE COUNTER (6" ABOVE BACKSPASH)	CB	CIRCUIT BREAKER
AF	AMPERE(S) FUSED	CKT	CIRCUIT
AFCI	ARC FAULT CIRCUIT INTERRUPTER	CLG	CLG
AFB	ABOVE FINISHED FLOOR	CORR	CORRIDOR
AFG	ABOVE FINISHED GRADE	CT	CURRENT TRANSFORMER
AIC	AMPERE INTERRUPTING CAPACITY	CTRL	CONTROLLER
AT	AMP SYMMETRICAL INTERRUPTING CAPACITY RMS	D	TO BE DEMOLISHED
AWG	AMERICAN WIRE GAUGE	DISC.	DISCONNECT
BG	BELOW GRADE	DIST.	DISTRIBUTION
BLDG	BUILDING	DW	DISH WASHER
BKR	BREAKER	DWG	DRAWING
C	CONDUIT	EC	EMPTY CONDUIT
CAT	CATEGORY	ECB	ENCLOSED CIRCUIT BREAKER
EF	EXHAUST FAN	EGC	EQUIPMENT GROUNDING CONDUCTOR
EMER.	EMERGENCY	EMT	ELECTRICAL METALLIC TUBING
EQ	EQUAL	EQ	EQUAL
EQUIP.	EQUIPMENT	EW	ELECTRIC WATER COOLER
EW	ELECTRICA WATER HEATER	EXIST.	EXISTING
FACP	FIRE ALARM CONTROL PANEL	FACPR	FIRE ALARM CONTROL PANEL REMOTE ANNUNCIATOR
FC	FOOTCANDLE	FCU	FAN COIL UNIT
FLA	FULL LOAD AMPERE(S)		

TELECOMMUNICATIONS

(JACKET COLORS TO BE PER THE OWNER'S STANDARDS IF APPLICABLE)

	TELECOM TERMINAL BOARD; 0-1" THICK AC INDOOR GRADE, FIRE RETARDANT PLYWOOD, PAINTED AS SPECIFIED BY THE ARCHITECT OR OWNER
	DUPLEX DATA OUTLET; REFER TO TELECOMMUNICATIONS NOTES FOR MORE INFORMATION; PROVIDE (2) CABLES UNLESS INDICATED OTHERWISE BY NUMBER ADJACENT TO SYMBOL.
	DUPLEX DATA OUTLET, AS ABOVE, MOUNTED FLUSH TO CEILING OR MOUNTED TO STRUCTURE IN AREAS WITH NO CEILING
	DUPLEX DATA OUTLET, AS ABOVE, MOUNTED ABOVE COUNTER; PROVIDE (2) CABLES UNLESS INDICATED OTHERWISE BY NUMBER ADJACENT TO SYMBOL.
	DUPLEX DATA FLUSH FLOOR BOX; PROVIDE 1" C TO AN ACCESSIBLE LOCATION ABOVE CEILING; TWO (2) CAT 6 CABLE FROM THE OUTLET TO THE TELECOM TERMINAL BOARD

WAP	WIRELESS ACCESS POINT (BY OWNER); PROVIDE 1" C TO AN ACCESSIBLE LOCATION ABOVE CEILING; ONE (1) CAT 6 CABLE FROM THE ACCESS POINT LOCATION TO THE TELECOM TERMINAL BOARD
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TV	LEGRAND EVOLUTION 4-GANG OR APPROVED EQUAL TV WALL BOX WITH ONE DUPLEX RECEPTACLE, ONE DUPLEX DATA OUTLET, ONE COAX OUTLET, AND ONE HDMI OUTLET; PROVIDE 1" C, TWO (2) CAT 6 CABLES AND 1" C, ONE (1) CATV CABLE FROM THE BOX TO THE TELECOM TERMINAL BOARD; PROVIDE CONDUIT AND WIRE FOR POWER PER THE PANEL SCHEDULE.
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TV	LEGRAND EVOLUTION FLOOR MOUNTED (OR POKE THROUGH) 4-GANG OR APPROVED EQUAL COMBO RECESSED FLOOR BOX WITH TWO (2) DUPLEX RECEPTACLES, FOUR (4) DATA OUTLETS (UNDER A SINGLE PLATE), AND HDMI; PROVIDE 1-1/4" C TO AN ACCESSIBLE LOCATION ABOVE CEILING; FOUR (4) CAT 6 CABLES FROM THE BOX TO THE TELECOM TERMINAL BOARD; ROUTE 1" C WITH HDMI CABLE FROM THE BOX TO THE TV WALL BOX IN THE SAME ROOM; PROVIDE CONDUIT AND WIRE FOR POWER PER THE PANEL SCHEDULE.
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FF	WALL MOUNTED LEGRAND EVOLUTION OR APPROVED EQUAL FURNITURE FEED BOX SHALL INCLUDE POWER AND DATA; NUMBER OF DATA CABLES INDICATED BY # ADJACENT TO SYMBOL; PROVIDE 1-1/4" C TO LOCATION ABOVE ACCESSIBLE CEILING FOR DATA CABLING; PROVIDE CONDUIT/CONDUCTOR FOR POWER PER PANEL SCHEDULE; CONTRACTOR SHALL MAKE ALL TERMINATIONS TO SYSTEMS FURNITURE PROVIDED BY OTHERS.
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LIGHTING

(PROVIDE CONDUIT AND WIRE PER THE PANEL SCHEDULE FOR POWER AND PER THE MANUFACTURER'S SPECIFICATIONS FOR CONTROLS)

	LIGHT FIXTURE; UPPERCASE LETTER(S) INDICATE FIXTURE TYPE; LOWERCASE LETTER(S) INDICATE ASSOCIATED CONTROL(S); IF FIXTURES WITH HALF-SHADOW REGION SHALL BE EMERGENCY PROVIDE BATTERY BACKUP OR CONNECT TO EMERGENCY CIRCUIT AS INDICATED; SEE LIGHTING FIXTURE SCHEDULE FOR FIXTURE DESCRIPTIONS AND MOUNTING TYPES
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	EXIT LIGHT FIXTURE; ARROWS (IF USED) INDICATE DIRECTION; FILLED IN QUADRANT(S) INDICATE NUMBER AND ORIENTATION OF ILLUMINATED FACES; LETTER(S) INDICATE FIXTURE TYPE; SEE LIGHTING FIXTURE SCHEDULE FOR FIXTURE DESCRIPTION.
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OS	CEILING MOUNTED OCCUPANCY SENSOR WITH 360° COVERAGE; LOCATE AND INSTALL PER THE MANUFACTURER'S RECOMMENDATIONS; TEST AND ADJUST SENSITIVITY AFTER INSTALLATION AND SET TIME DELAY AS REQUIRED BY THE OWNER
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VS	CEILING MOUNTED OCCUPANCY SENSOR, AS ABOVE, CONFIGURED FOR VACANCY OPERATION
P	PHOTOELECTRIC CELL, EXTERIOR RATED; AIM AND SHIELD SENSOR FROM INTERIOR AND EXTERIOR ARTIFICIAL LIGHT SOURCES

S	SWITCH; SUBSCRIPT (WHEN USED): NONE - SINGLE POLE TOGGLE SWITCH 3 - THREE-WAY SWITCH D - LINEAR SLIDE DIMMER SWITCH 3D - THREE-WAY LINEAR SLIDE DIMMER SWITCH O - WALL MOUNTED OCCUPANCY SENSOR 3O - THREE-WAY SWITCH WITH OCCUPANCY SENSOR V - VACANCY SENSOR a,b,c etc. - SWITCH ID
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(REFER TO DRAWINGS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS)

FIRE ALARM

(PROVIDE CONDUIT AND WIRE PER THE PANEL SCHEDULE FOR POWER AND CONDUIT AND CABLING PER THE MANUFACTURER'S SPECIFICATIONS)

FACP	FIRE ALARM CONTROL PANEL
	FIRE ALARM SYSTEM PULL STATION
	FIRE ALARM CARBON MONOXIDE SENSOR
	FIRE ALARM SYSTEM STROBE
	FIRE ALARM SYSTEM HORN/STROBE
	FIRE ALARM SYSTEM SPEAKER/STROBE
	FIRE ALARM SYSTEM CEILING MOUNT STROBE
	FIRE ALARM SYSTEM CEILING MOUNT HORN/STROBE
	FIRE ALARM SYSTEM CEILING MOUNT SPEAKER/STROBE
	FIRE ALARM SYSTEM CARBON MONOXIDE DETECTOR
	FIRE ALARM SYSTEM THERMAL DETECTOR
	FIRE ALARM SYSTEM DUCT SMOKE DETECTOR
	FIRE ALARM SYSTEM SMOKE DETECTOR
	FIRE ALARM SYSTEM SMOKE ALARM
	FIRE ALARM SYSTEM MAGNETIC DOOR HOLD OPEN
	FIRE ALARM SYSTEM FLOW SWITCH
	FIRE ALARM SYSTEM TAMPER SWITCH

SECURITY (EQUIPMENT PROVIDED BY OTHERS)

(EQUIPMENT PROVIDED BY OTHERS)

	JUNCTION BOX FOR CEILING MOUNTED CAMERA; PROVIDE 1" C WITH (1) CAT 6 CABLE FROM THE JUNCTION BOX TO NEAREST TELECOM RACK WITH NVR
	JUNCTION BOX FOR WALL MOUNTED CAMERA; PROVIDE 1" C WITH (1) CAT 6 CABLE FROM THE JUNCTION BOX TO NEAREST TELECOM RACK WITH NVR

ELECTRICAL GENERAL NOTES

- ALL ELECTRICAL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AS ADOPTED BY THE AHJ.
- THE WORDS "PROVIDE" AND "PROVIDED" AS USED HEREIN SHALL BE UNDERSTOOD TO MEAN, "PROVIDE COMPLETE IN PLACE," THAT IS "FURNISH, INSTALL, & CONNECT." EQUIPMENT AND MATERIAL INDICATED TO BE PROVIDED SHALL BE NEW UNLESS OTHERWISE NOTED AND SHALL BE OF THE MOST SUITABLE GRADE FOR THE PURPOSE INTENDED.
- ROUTE NEW CONDUIT AND WIRING CONCEALED IN WALLS AND CEILING WHERE POSSIBLE. COORDINATE INSTALLATION OF EXPOSED CONDUIT AND WIRING WITH THE ARCHITECT.
- CONTRACTOR SHALL PROVIDE ELECTRICAL SERVICE TO NEW HVAC UNITS AS FURNISHED BY THE MECHANICAL CONTRACTOR. VERIFY THE EXACT ELECTRICAL REQUIREMENTS WITH THE REVIEWED HVAC SUBMITTALS PRIOR TO ORDERING ELECTRICAL EQUIPMENT.
- BEFORE INSTALLATION, CONTRACTOR SHALL SUBMIT DETAILED DRAWINGS TO THE ENGINEER FOR REVIEW COVERING PROPOSED LOCATIONS, MOUNTING, AND ROUTING FOR ALL CONDUITS, SERVICES, FITTINGS, GROUND RODS, SUPPORTS, ETC.
- CONDUIT RUNS ARE SHOWN DIAGRAMMATICALLY. CONTRACTOR SHALL ROUTE IN MOST DIRECT MANNER AVOIDING ANY OBSTRUCTIONS NOT INDICATED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL GROUNDING OF EQUIPMENT, DISCONNECT SWITCHES, PANELBOARDS, FOUNDATIONAL STEEL, BLDG STEEL, METAL PIPING, AND TELECOMMUNICATION RACKS, ETC. REGARDLESS OF DEPICTION ON PLAN.
- CONTRACTOR IS RESPONSIBLE FOR OVER-CURRENT PROTECTIVE DEVICE SHORT CIRCUIT, COORDINATION, AND ARC-FLASH STUDIES.
- MATERIALS AND MANUFACTURERS NOTED ON DRAWINGS ARE TO BE USED AS BASIS OF DESIGN TO ESTABLISH QUALITY AND PERFORMANCE STANDARDS AND SHALL BE PROVIDED AS SPECIFIED. SUBSTITUTIONS WILL BE CONSIDERED WHERE SUFFICIENT PRODUCT INFORMATION IS PROVIDED TO MAKE A PROPER EVALUATION. REVIEW OF A SUBSTITUTION IS AT THE SOLE DISCRETION OF THE PROFESSIONAL.
- THE CONTRACTOR SHALL SUBMIT COPIES OF THE PRODUCT DATA, SHOP DRAWINGS, ETC. OF ALL MATERIALS NOTED ON THE DRAWINGS. ALL SUBMITTED PRODUCT DATA, SHOP DRAWINGS, ETC. SHALL BE MARKED WITH THE NAME OF THE PROJECT AND SHALL BEAR THE STAMP OF APPROVAL OF THE CONTRACTOR AS EVIDENCE THAT THE MATERIAL HAS BEEN CHECKED BY THE CONTRACTOR.
- DRAWINGS SPECIFIC TO THIS TRADE DO NOT LIMIT THE RESPONSIBILITY OR WORK REQUIRED BY THE CONTRACT DOCUMENTS. REFER TO DRAWINGS AND SPECIFICATIONS OF OTHER TRADES FOR COMPLETE INFORMATION PRIOR TO BID.
- WHERE CONFLICTS EXIST AMONG DRAWINGS, SPECIFICATIONS, AND EQUIPMENT SCHEDULES, THE MOST STRINGENT REQUIREMENT OR QUANTITY SHALL APPLY. NOTIFY THE ARCHITECT/ENGINEER OF ALL CONFLICTS FOR RESOLUTION OR INTERPRETATION.
- NO EQUIPMENT SHALL BE ORDERED OR INSTALLED UNTIL THE PROJECT ENGINEER HAS RECEIVED A COPY STAMPED "NO EXCEPTIONS TAKEN." "NO EXCEPTIONS TAKEN" DOES NOT RELIEVE THE CONTRACTOR FROM CONFORMANCE WITH THE CONTRACT, EXTEND TO QUANTITIES OR DIMENSIONS; IMPLY THAT THE EQUIPMENT CAN BE INSTALLED OR OPERATE SATISFACTORILY, THAT THE EQUIPMENT CONTAINS ALL NECESSARY COMPONENTS, OR THAT IT WILL COORDINATE WITH OTHER REVIEWED ITEMS.
- OMISSION FROM THIS SHEET OF ANY ITEM SHOWN ELSEWHERE IN THE PLANS DOES NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY FOR ANY ASSOCIATED WORK.
- COORDINATE INSTALLATION OF NEW ITEMS AND EQUIPMENT WITH THE OWNER'S REPRESENTATIVE AND THE WORK OF OTHER TRADES. THE CONTRACTOR SHALL INCUR ALL COSTS ASSOCIATED WITH THE RELOCATION OF EQUIPMENT CONFLICTING WITH NEW WORK BY OTHER TRADES THAT HAS NOT BEEN COORDINATED.
- COORDINATE ALL ASPECTS OF NEW SERVICE WITH UTILITY COMPANY AND INCLUDE ALL COSTS IN BID.
- WARNING TAPE SHALL BE INSTALLED 6" INCHES BELOW GRADE OVER ALL CONDUITS INCLUDING BUT NOT LIMITED TO FEEDERS, DATA, AND BRANCH CIRCUITS. TAPE SHALL BE PERMANENT AND DISPLAY MESSAGE DESCRIBING THE TYPE OF SERVICE BURED BENEATH IT.
- ALL CONDUIT SIZES SHOWN ARE MINIMUM SIZES WHICH SHALL BE UTILIZED. CONTRACTOR SHALL VERIFY THAT ALL WIRING AND CABLES UTILIZED MEET NEC FILL REQUIREMENTS PRIOR TO INSTALLATION OF CONDUIT; ANY CONFLICT SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO BIDDING.
- CONTRACTOR SHALL COORDINATE ALL CONDUIT WALL AND FLOOR PENETRATIONS WITH ALL TRADES AS REQUIRED. ALL PENETRATIONS SHALL BE SEALED WATER TIGHT.
- CONTRACTOR SHALL MATCH NEMA RECEPTACLE CONFIGURATION TO MATCH EQUIPMENT PLUGS.
- CONTRACTOR SHALL PROVIDE HOUSEKEEPING PAD UNDER ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT RECEIVED IN THIS PROJECT.
- PROVIDE 1/4" MINIMUM DIAMETER PULL ROPE. PULL ROPE SHALL NOT BE NYLON STRING.
- ALL 120V, 20 AMP BRANCH CIRCUITS OVER 75' SHALL BE A MINIMUM OF #10.
- ALL CIRCUITS SHALL HAVE DEDICATED NEUTRAL, NO NEUTRAL SHARING SHALL BE PERMISSIBLE FOR 120V & 277V CIRCUITS.
- FOR SERVICE ENTRANCE CONDUITS, UTILIZE LONG RADIUS (36") CONDUIT BENDS.
- ALL CONDUIT RISERS FROM UNDERGROUND SHALL HAVE RIGID METAL ELLS AND RISERS.
- PRIOR TO CONSTRUCTION, VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES. AVOID DISTURBANCE OF EXISTING UTILITIES NOT INCLUDED IN THIS PROJECT.
- FURNISH AND INSTALL ALL EXTERIOR RECEPTACLES WITH WEATHERPROOF COVERS.
- PROVIDE GFCI RECEPTACLES:
A. ALL EXTERIOR LOCATIONS
B. ALL COMMERCIAL KITCHENS
C. LAUNDRY AREAS
D. WITHIN 6' OF A SINK
E. FOR VENDING MACHINES
- FOR UNDERGROUND CONDUIT RUNS, PROVIDE (1) PULL BOX FOR EVERY 500-FEET OF CONDUIT LENGTH AND FOR EVERY 360' OF CONDUIT BENDS, UNLESS OTHERWISE INDICATED MORE FREQUENTLY. FOR PULL BOXES LOCATED WITHIN DRIVABLE SURFACES, ENSURE THAT THE PULL BOX IS TRAFFIC RATED. IN THE EVENT THAT A PULL BOX IS REQUIRED ON A UTILITY CONDUIT RUN, ENSURE THAT THE PULL BOX MEETS ALL REQUIREMENTS OF THAT UTILITY.

LIGHTING GENERAL NOTES

- VERIFY THE EXACT LOCATION OF ALL LIGHTING SWITCHES WITH THE ARCHITECT PRIOR TO ROUGH-IN.
- VERIFY THE EXACT LOCATION OF ALL LIGHTING FIXTURES WITH THE ARCHITECTURAL REFLECTED CEILING PLAN PRIOR TO ROUGH-IN.
- VERIFY THE EXACT LOCATION OF CEILING MOUNTED OCCUPANCY SENSORS WITH THE MANUFACTURER'S SPECIFICATIONS PRIOR TO INSTALLATION FOR MAXIMUM PERFORMANCE.
- EMERGENCY FIXTURES AND EXIT FIXTURES SHALL BE CONNECTED TO THE NEAREST LIGHTING CIRCUIT. BRANCH CIRCUIT WIRING TO EXIT FIXTURES AND TO BATTERY INVERTERS WITHIN FIXTURES WITH INTEGRAL BATTERY UNITS SHALL BE UNSWITCHED; CONNECTED AHEAD OF ANY CONTROL SWITCHING.
- WALL MOUNT TYPE "2" FIXTURES ABOVE DOOR AS SHOWN ON DRAWINGS. COORDINATE WITH THE ARCHITECT PRIOR TO ROUGH-IN.
- MOUNT TYPE "EM" FIXTURES 8'-0" AFF UNLESS OTHERWISE NOTED.
- VERIFY THE CEILING TYPES FOR ALL LIGHT FIXTURES TO BE FLUSH MOUNTED OR SUSPENDED AND ADJUST FIXTURE MOUNTING TYPES IN ACCORDANCE WITH THE CEILING TYPE, AS REQUIRED. CONTRACTOR SHALL PROVIDE ALL REQUIRED MOUNTING HARDWARE.
- ALL VANITY FIXTURES SHALL BE MOUNTED WITH 0'-3" OF SPACE BETWEEN THE BOTTOM OF THE FIXTURE AND THE TOP OF THE MIRROR UNLESS OTHERWISE NOTED.
- VERIFY THE EXACT MOUNTING LOCATION FOR ANY PHOTOELECTRIC CELLS WITH THE ARCHITECT PRIOR TO ROUGH-IN. ALL PHOTOELECTRIC CELLS MUST FACE NORTH.
- CONTRACTOR SHALL CONFIRM COMPATIBILITY OF ALL LIGHTING CONTROL DEVICES/SWITCHES/DIMMERS WITH LIGHTING FIXTURES AND BALLAST/DRIVERS PRIOR TO SUBMITTAL.
- COORDINATE LOCATION OF LIGHT FIXTURES IN MECHANICAL ROOMS WITH DIVISION 15/23 PLANNED EQUIPMENT LOCATION AND DUCT INSTALLATION. WALL MOUNT LIGHTS OR PROVIDE PENDANT MOUNTING AS REQUIRED TO ILLUMINATE THE SPACE.
- WHERE MULTIPLE OCCUPANCY SENSORS ARE SHOWN IN THE SAME AREA, MOTION DETECTION BY ONE SENSOR SHALL ILLUMINATE ALL LIGHTING IN THE RESPECTIVE AREA.
- VERIFY DOOR SWINGS PRIOR TO INSTALLING LIGHT SWITCHES. SWITCHES SHALL BE INSTALLED ON STRIKE SIDE OF DOOR UNLESS OBSTRUCTED BY GLAZING OR GRAPHICS.
- LIGHT SWITCHES SHALL BE GANGED UNDER A SINGLE PLATE WHERE GROUPED TOGETHER.
- CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS TO EXIT SIGN LOCATION TO ENSURE THE SIGN IS VISIBLE THROUGHOUT CORRIDOR SEGMENT. ADJUSTMENTS GREATER THAN 10' FROM LOCATION SHOWN ON PLAN SHALL BE REVIEWED BY ENGINEER PRIOR TO ROUGH-IN.
- CONTRACTOR SHALL ENSURE THAT DOOR SWINGS ARE NOT GOING TO BE IMPEDED BY THE INSTALLATION OF A LIGHT FIXTURE, FIRE ALARM DEVICE, SENSOR, EXIT SIGN, ETC.
- ALL SITE LIGHTING FIXTURES SHALL INCLUDE A POLE FOUNDATION; REFER TO POLE FOUNDATION DETAIL FOR SPECIFIC REQUIREMENTS.

ALL SYMBOLS, ABBREVIATIONS, AND NOTES ABOVE ARE TYPICAL AND ARE NOT NECESSARILY USED IN THESE CONSTRUCTION DOCUMENTS

SPECIAL SYSTEMS GENERAL NOTES

- VERIFY EXACT LOCATION, VOLTAGE, PHASE, AMPERAGE, ETC. OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO ORDERING ELECTRICAL GEAR.
- INTERCONNECT THE HOOD EXHAUST AND SUPPLY FANS WITH HOOD EXTINGUISHING SYSTEM SUCH THAT WHEN HOOD EXTINGUISHING SYSTEM IS ACTIVATED, THE EQUIPMENT BELOW THE HOOD AND HOOD SUPPLY FAN ARE DE-ENERGIZED AND THE HOOD EXHAUST FAN WILL START IF NOT RUNNING.
- INTERCONNECT THE HOOD EXTINGUISHING SYSTEM WITH THE FIRE ALARM SYSTEM IF APPLICABLE.
- PROVIDE AN ADDITIONAL 10% OR ONE (1), WHICHEVER IS GREATER, OF THE FOLLOWING DEVICES WHICH ARE INCLUDED IN THE PROJECT, AND INSTALL THEM AT THE DIRECTION OF THE ARCHITECT, ENGINEER, OR AHJ DURING THE COURSE OF THE PROJECT. PROVIDE ALL REQUIRED CONDUIT, INTERCONNECTIONS, CONDUCTORS, PROGRAMMING, ETC. AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER: INITIATING DEVICES (PULL STATIONS, SMOKE DETECTORS, THERMAL DETECTORS, ETC.), NOTIFICATION APPLIANCES (STROBES, HORN STROBES, SPEAKER STROBES, SPEAKERS, DUCT DETECTORS, ETC.), AND MONITORING MODULES.
- VERIFY REQUIRED QUANTITY OF DUCT DETECTORS WITH DUCTWORK CONFIGURATION AS IT IS ACTUALLY INSTALLED. COORDINATE WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

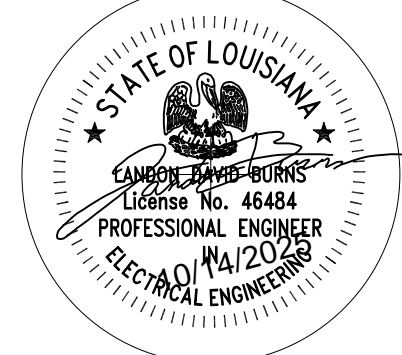
TELECOMMUNICATIONS GENERAL NOTES

- PROVIDE 1" CONDUIT AND TWO (2) CAT 6 CABLES AT EACH DATA OUTLET SHOWN. CABLING SHALL ROUTE TO TELEPHONE BACKBOARD IN "ELEC - 137". ALL TERMINATIONS SHALL BE BY CONTRACTOR.
- OWNER SHALL PROVIDE THE WALL MOUNT DATA RACK, ALL ITEMS INCLUDED IN THE DATA RACK, AND ANY NECESSARY TELEPHONE EQUIPMENT.
- PLYWOOD FOR BACKBOARDS SHALL BE 0-1" AC INDOOR GRADE, FIRE RETARDANT, AND PAINTED AS SPECIFIED.
- COMMON BOND RACKS, PATCH PANELS, CABLE SHIELDS, PROTECTORS, AND THE BUILDING MAIN ELECTRICAL GROUNDING CONDUCTORS SHALL BE, AT MINIMUM, #6 AWG INSULATED AND STRANDED COPPER. FASTENERS SHALL BE RECESSED AND ANCHORED.
- THE CONTRACTOR IS CAUTIONED TO INSURE NO PAINT PRODUCTS COME IN CONTACT WITH ANY SPECIAL SYSTEM COMPONENTS INCLUDING, BUT NOT LIMITED TO, CABLES, COAX, CONDUCTORS, AND JACKS DURING CONSTRUCTION. IF ANY PAINT PRODUCT IS PLACED ON ANY COMPONENT, THE COMPONENT SHALL BE REPLACED FROM ITS POINT OF ORIGIN TO THE POINT OF TERMINATION.
- CONTRACTOR SHALL COORDINATE JACKET COLORS WITH OWNER'S IF REPRESENTATIVE PRIOR TO PURCHASE. IN THE EVENT THAT THE OWNER DOES NOT HAVE A STANDARD FOR COLORS JACKETS SHALL BE AS FOLLOWS.
 - DATA: BLUE
 - VOICE: WHITE
 - WAP: YELLOW
 - CAMERA: GREEN

IDENTIFICATION OF EQUIPMENT GENERAL NOTES

- ENGRAVED, LAMINATED ACRYLIC OR MELAMINE LABEL: PUNCHED OR DRILLED FOR SCREW MOUNTING. WHITE LETTERS ON A DARK-GRAY BACKGROUND. MINIMUM LETTER HEIGHT SHALL BE 3/8 INCH. LETTERING AND BACKGROUND COLORS AS INDICATED BELOW:
 - POWER CIRCUITS:
 - NORMAL: WHITE LETTERING ON BLACK BACKGROUND.
 - EMERGENCY LEGALLY REQUIRED STANDBY OR ESSENTIAL ELECTRICAL SYSTEM PRIOR TO ATS: BLACK LETTERING ON YELLOW BACKGROUND.
 - EMERGENCY OPTIONAL STANDBY: WHITE LETTERING ON PURPLE BACKGROUND.
 - UPS: BLACK LETTERING ON ORANGE BACKGROUND.
 - FIRE ALARM SYSTEM: BLACK LETTERING ON RED BACKGROUND.
- LABELING INSTRUCTIONS:
 - INDOOR EQUIPMENT: ENGRAVED, LAMINATED ACRYLIC OR MELAMINE LABEL. UNLESS OTHERWISE INDICATED, PROVIDE A SINGLE LINE OF TEXT WITH 1/2-INCH-HIGH LETTERS ON 1-1/2-INCH-HIGH LABEL; WHERE 2 LINES OF TEXT ARE REQUIRED, USE LABELS 2
 - OUTDOOR EQUIPMENT: ENGRAVED, LAMINATED ACRYLIC OR MELAMINE LABEL.
 - EQUIPMENT TO BE LABELED SHALL INCLUDE BUT NOT BE LIMITED TO:
 - PANELBOARDS, ELECTRICAL CABINETS, AND ENCLOSURES.
 - TRANSFORMERS
 - EMERGENCY SYSTEM BOXES AND ENCLOSURES
 - RECEPTACLES WITH PANEL AND CIRCUIT NUMBERS.
 - DISCONNECT SWITCHES.
 - ENCLOSED CIRCUIT BREAKERS.
 - POWER TRANSFER EQUIPMENT (ATSMTS)
 - FIRE-ALARM CONTROL PANEL AND ANNUNCIATORS
 - ALL JUNCTION BOXES. LABEL TO INCLUDE CIRCUIT NUMBERS (PANEL AND NUMBER).
 - ALL LIGHTING SWITCH PLATES SHALL HAVE CIRCUIT NUMBERS ON THE BACK OF THE PLATE. (PANEL AND NUMBER).

Permit/Seal



Client/Project
CITY OF NATCHITOCHES

NEW FIRE STATION NO. 3

NATCHITOCHES, LOUISIANA

Project No.: 222706059

File Name: 25-035 TB - STANTEC_ARCH_D_VERT

Scale:

Dwn. Dgn. Chkd. 2025.09.26
YYYY-MM-DD

Title

ELECTRICAL COVER SHEET

Revision: Sheet: of

Drawing No.

E100



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Consultant

YYTJ:AMDD

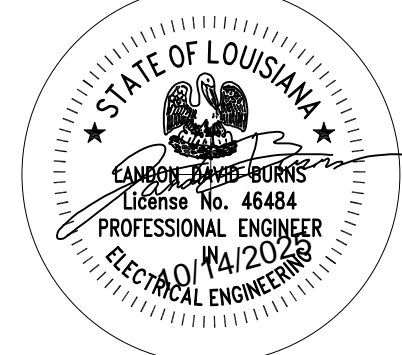
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By

Revision

Design Phase Acceptance

Permit/Seal



Client/Project
CITY OF NATCHITOCHES

NEW FIRE STATION NO. 3

NATCHITOCHES, LOUISIANA

Project No.: 222706059

File Name: 25-035 TB - STANTEC_ARCH_D_VERT

Scale:

Dwn. Dgn. Chkd. 2025.09.26
YYYY-MM-DD

Title

ELECTRICAL COVER SHEET

Revision: Sheet: of

Drawing No.

E100

Consultant

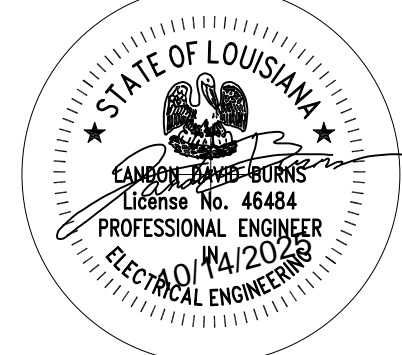
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Aspd

By

Revision

Design Phase Acceptance



Client/Project
CITY OF NATCHITOCHES

NEW FIRE STATION NO. 3

NATCHITOCHES, LOUISIANA

Project No.: 222706059

File Name: 25-035 TB - STANTEC_ARCH_D_VERT

Scale:

Dwn. Dgn. Chkd. 2025.09.26
YYYY-MM-DD

Title

ELECTRICAL COVER SHEET

Revision: Sheet: of

Drawing No.

E100