001 DISPENSER APRON CONDUIT PLAN

SCALE: 3/16" = 1'-0"

NOTE:
- CONDUIT IS SHOWN FOR INFORMATION ONLY. CONTRACTOR TO FIELD VERIFY ORIENTATION WITH CLIENT FIELD REPRESENTATIVE AND REFER TO SITE PLAN FOR SITE ORIENTATION.
- REFER TO CANOPY MANUFACTURERS DRAWINGS FOR SPECIFIC CANOPY FOOTING OPTIONS.
- ALL CONDUIT 1" UNLESS NOTED OTHERWISE.

005 TYPICAL ELECTRICAL NOTES

GENERAL NOTES

1. CONDUIT :

A. FOR EACH ELECTRICAL RACEWAY SYSTEM INDICATED, PROVIDE A COMPLETE ASSEMBLY OF CONDUIT WITH FITTINGS, INCLUDING , BUT NOT NECESSARILY LIMITED TO, CONNECTORS, NIPPLES, COUPLINGS, EXPANSION FITTINGS, BUSHINGS LOCKOUTS, OTHER COMPONENTS AND ACCESSORIES AS NEEDED TO FORM A COMPLETE SYSTEM OF THE TYPE INDICATED, AND AS REQUIRED BY THE NEC.

B. ALL CONDUIT WITHIN CLASS 1 AREA SHALL BE HEAVY WALL GALVANIZED STEEL EXCEPT AS NOTED OTHERWISE ON THE DRAWINGS. PVC CONDUIT IS ACCEPTABLE FOR USE OUTSIDE CLASS I DIV I AREA. CONTRACTOR MAY SWITCH TO PVC CONDUIT OUTSIDE OF CLASS 1 AREA PROVIDED ALL INSTALLATIONS COMPLY WITH THE NATIONAL ELECTRICAL CODE AND NFPA 30A. ALL TRANSITION FITTINGS ARE TO BE UL APPROVED FOR DIRECT BURIAL. ALL CONDUIT SHALL BE FREE OF FOREIGN MATTER FROM OBSTRUCTING THE CONDUIT. ALL WIRING AND FITTINGS SHALL BE CLASS 1, GROUP D, AS REQUIRED BY CODE. ALL REQUIRED SEAL- OFF FITTINGS SHALL BE PROPERLY SEALED. SEAL SHALL BE POURED AFTER TESTING PROCEDURES ARE COMPLETE.

C. CONDUIT RUNS EXCEEDING 25 FEET IN LENGTH SHALL BE EQUIPPED WITH SUITABLE WIRE INSERT TO ENABLE THE PULLING OF A FISH TAPE FOR ADDITIONAL WIRING.

D. WHERE APPLICABLE ALL CONDUIT SHALL BE RIGIDLY SUPPORTED FROM STRUCTURAL MEMBERS WITH MALLEABLE IRON CONDUIT CLAMPS. NOT TO EXCEED 8 FEET ON CENTER. ALL THREAD IS NOT ACCEPTABLE FOR MOUNTING. USE U-BOLTS INSTEAD.

E. PROVIDE CONDUIT AND FITTINGS AS INDICATED.
1. RIGID STEEL CONDUIT : ANSI C80.1, HOT DIPPED GALVANIZED.
2. RIGID STEEL CONDUIT FITTINGS : ANSI C80.4.
3. FLEXIBLE METAL CONDUIT :
A. LIQUID-TIGHT FLEXIBLE METAL CONDUIT : LIQUID-TIGHT FLEXIBLE METAL CONDUIT COMPRISED OF SINGLE STRIP, CONTINUOUS, FLEXIBLE, INTERLOCKED, DOUBLE-WRAPPED STEEL, GALVANIZED INSIDE AND OUTSIDE: FORMING SMOOTH INTERNAL WIRING CHANNEL, WITH LIQUID-TIGHT JACKET OF FLEXIBLE PVC.
B. LIQUID-TIGHT FLEXIBLE METAL CONDUIT FITTINGS: LIQUID-TIGHT, ZINC COATED STEEL. PROVIDE FITTINGS BY CROUSE-HINDS, APPLETON OR EQUAL. FITTINGS SHALL HAVE RUBBER OR NEOPRENE GASKETS WHERE INSTALLED IN DAMP AREAS. FITTINGS INSTALLED IN HAZARDOUS AREA SHALL COMPLY WITH NEC AND UL 885.

F. ALL PENETRATIONS THROUGH RATED WALL AND ROOF ASSEMBLIES MUST CONFORM TO UL STANDARD PENETRATION DETAIL, (SYSTEM #F-C-5010), NEC, AND ALL APPLICABLE LOCAL CODES.

G. ALL PENETRATIONS THROUGH RATED SLAB ASSEMBLIES MUST CONFORM TO UL STANDARD PENETRATION DETAIL, (SYSTEM #C-AJ-1064), NEC, AND ALL APPLICABLE LOCAL CODES.

H. MAGNETIC SAFETY TAPE SHALL BE INSTALLED ABOVE ALL UNDERGROUND PRODUCT PIPING AND ELECTRICAL CONDUIT.

I. ALL CONDUIT LAYOUTS SHOWN ARE FOR REFERENCE ONLY. ACTUAL FIELD INSTALLATION MAY VARY DUE TO MECHANICAL PIPING INTERFERENCE.ACT

2. CABLE AND WIRE CONNECTORS :

A. WIRE AND CABLE: PROVIDE FACTORY-FABRICATED WIRE AND CABLE OF THE SAME SIZE RATING, MATERIAL AND TYPE AS INDICATED FOR EACH USE, AS SPECIFIED OR UNLESS NOTED OTHERWISE.

B. CONDUCTORS: PROVIDE SOFT OR ANNEALED COPPER WIRES MEETING, BEFORE STRANDING, THE REQUIREMENTS OF ASTM B-3, STANDARD SPECIFICATIONS FOR SOFT OR ANNEALED COPPER WIRE FOR ELECTRICAL PURPOSES, LATEST EDITION.
1. CONDUCTORS FOR POWER AND CONTROL WIRING SHALL BE STRANDED COPPER, NO ALUMINUM OR COPPER CLAD ALUMINUM WIRING IS PERMITTED.
2. THE MINIMUM SIZE FOR POWER WIRING IS #12 AWG UNLESS STATED OTHERWISE ON THE DRAWINGS.

C. INSTALLATION SHALL MEET OR EXCEED THE REQUIREMENTS OF UL 83, STANDARD FOR THERMOPLASTIC INSULATION WIRES.
1. INSULATION FOR CONDUCTORS SIZED NO. 18 AWG THROUGH NO. 16 AWG SHALL BE UL TYPE TFFN GASOLINE AND OIL RESISTANT AND BE SO MARKED.
2. INSULATION FOR CONDUCTORS SIZED NO. 14 AWG THROUGH NO. 8 AWG SHALL BE UL TYPE THHN/THWN GASOLINE AND OIL RESISTANT AND BE SO MARKED.
3. ALL WIRING INSIDE LIGHTING FIXTURES SHALL BE TEMPERATURE RATED PER THE NEC.

D. CONNECTORS FOR BUILDING WIRE AND CABLE: PROVIDE FACTORY-FABRICATED, METAL CONNECTORS OF THE SIZE, RATING, MATERIAL TYPE, AND CLASS REQUIRED FOR EACH USE.
1. TERMINAL LUGS ARE TO BE USED WHENEVER POSSIBLE. CONNECTORS FOR CONDUCTORS UP TO A MAXIMUM OF NO. 6 AWG WIRE WITH TWO NO. 8 AWG WIRES MAY USE TWIST-ON PRESSURE CONNECTORS OF REQUIRED SIZE. LUG/BOLTED CONNECTIONS ARE REQUIRED FOR ALL CONDUCTORS LARGER THAN #6 AWG.
2. ALL MOTOR LEADS, #10 AWG OR LARGER, SHALL BE CONNECTED USING PRESSURE FITTED LUGS AND BOLTED.
3. SPLICES ARE NOT PERMITTED IN FEEDERS, MOTOR LEADS, OR COMMUNICATION/DATA WIRING.
4. THE USE OF TERMINAL STRIPS FOR WIRING CONNECTIONS IS ENCOURAGED EXCEPT WHEN IN CONFLICT WITH #3 ABOVE.

004 TYPICAL DISPENSER ISLAND & CANOPY ELEVATION

SCALE: 3/8" = 1'-0"

003 TYPICAL DISPENSER ISLAND CONDUIT PLAN

SCALE: 3/8" = 1'-0"

- ☐ SUPERSEDES ALL PREVIOUS ISSUES
- ☐ APPROVED FOR CONSTRUCTION
- ☐ PRELIMINARY-NOT FOR CONSTRUCTION
- ☐ ISSUED TO: _____

_____ DATE _____

Inspection Division Date: 03/03/16

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IRVING OIL

190 COMMERCE WAY
PORTSMOUTH, NH 03801

PROJECT:

393 COMMERCIAL STREET
PORTLAND, MAINE

SHEET TITLE:

DISPENSER & LIGHTING CONDUIT PLAN (RETAIL FUEL)

PROJECT:	DRAWING NO:	REVISION:
	GE3	–

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