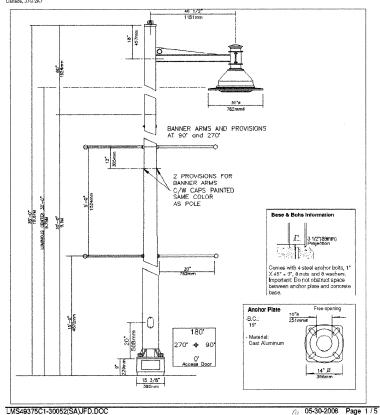
640, Curé-Boivin Boisbriand (Québec Ganada, J7G 2A7



Lumec is a Philips group brand

**PHILIPS** 

LUMINAIRE: TR20-250HPS-SG2-OTA/240-BRTX-LMS49375C.
HOOD: CAST 356 ALUMINUM DOME, MECHANICALLY ASSEMBLED ON THE LUMINAIRE.
SKMT: SPUN 1100-0 ALUMINUM, MECHANICALLY ASSEMBLED ON THE LUMINAIRE.
LAMP: 250 WATT HIGH PRESSURE SODIUM (ANSI CODE S50), ED 18 BULB, MOGUL BASE.
OPTICAL SYSTEM: (SG2), LE.S. TYPE II (ASYMMETRICAL), REFLECTOR COMPOSED OF A CHEMICALLY
BRIGHTENED MULTH-FACETED ANDIOLOGY. MOUNTED ON A WHITE FRAME. THIS ASSEMBLY ALLOWS
FOR A FULL ROTATION OF THE OPTICAL SYSTEM IN 90 DEGREE INCREMENTS.
BRIANCE THE PROMET FACTOR OR GOVERNOR VIOLED SET 20/20/8/240/277, VIOLES CONNECTED TO 240

BALLAST: HIGH POWER FACTOR OF 90%. PRIMARY VOLTAGE 120/208/240/277 VOLTS, CONNECTED TO 240 VOLTS. LAMP STARTING CAPACITY -40F (-40C) DEGREES. ASSEMBLED ON A UNITIZED REMOVABLE TRAY WITH QUICK DISCONNECT PLUG.

WITH QUICK DISCONNECT PLUG.

ACCESS-MECHANISM: A DIE CAST ALUMINUM TECHNICAL RING WITH LATCH AND HINGE. THE MECHANISM SHALL OFFER TOOLFREE ACCESS TO THE INSIDE OF THE LUMINAIRE. AN EMBEDDED MEMORY-RETENTIVE GASKET SHALL ENSURE WEATHERPROOFING.

BRACKET: UN-1A-90DEG-BRTX-ILMS49375C.
ARM: SHALL BE MADE FROM EXTRUDED ALUMINUM 6063-T4, WELDED.
ADAPTOR: CLAMPS MADE OF CAST 356 ALUMINUM, WELDED TO THE ARM AND MECHANICALLY FASTENED TO THE LUMINAIRE BY STAINLESS STEEL BOLTS AND NUTS.

CENTRAL ADAPTOR: MADE OF ALUMINUM, 6" (152.4MM) O.D., C/W A TENON PENETRATING 12" (305MM) POLE, MECHANICALLY SECURED.

BRACKET OPTIONS: (90 DEG), BRACKET TO BE ORIENTED AT 90 DEGREE FROM ACCESS DOOR.

POLE: ATRIOGN-29.25-BA-BRTX-LMS49375C.
POLE SHAFT: MADE OF ALUMINUM 6063-T4, ROUND, TEMPERED TO 16 AFTER WELDING, HAVING A BASE DIAMETER OF 10" (254MM) AND TOP DIAMETER OF 6" (152MM) WALL THICKNESS 0.188" (4.8MM) WELDED TO BOTH THE BOTTOM AND TOP OF THE ANCHOR PLATE. C/W BANNER PROVISIONS.

MAINTENANCE OPENING: THE POLE SHALL HAVE A 4" X 8" (102MM X 203MM) MAINTENANCE OPENING

CENTERED 20" (508MM) FROM THE BOTTOM OF THE ANCHOR PLATE, COMPLETE WITH A WEATHERPROOF ALUMINUM COVER AND A COPPER GROUND LUG. NUT COVER MADE FROM SPUN ALUMINUM. POLE OPTIONS: (BA) TWO WAY (180 DEG), UPPER AND LOWER ARMS (2), FIXED STANDARD TYPE, MADE OF ALUMINUM TUBING, 1 1/16" (27MM) OUTSIDE DIAMETER, MECHANICALLY ASSEMBLED TO THE POLE, COMPLETE WITH A STANDARD CAST ALUMINUM DECORATIVE BALL.

MISCELLANEOUS: BT-BRTX-LMS49375C
TRANSITION BASE: MADE OF ALUMINUM 356, C/W ACCESS DOOR COVERING AN OPENING OF 11" X 5 1/2"

(279MM X 139MM).

WRING: GAUGE (#14) TEW WIRES, 6" (152MM) MINIMUM EXCEEDING THE BRACKET.

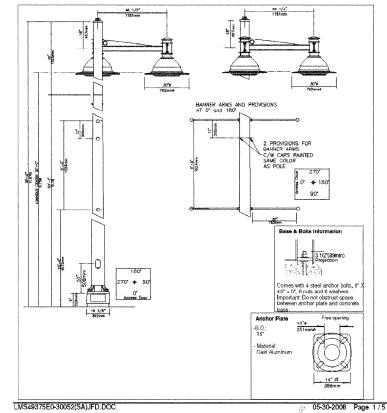
HARDWARE: ALL EXPOSED SCREWS WILL BE IN STAINLESS STEEL. ALL SEALS AND SEALING DEVICES ARE MADE AND/OR LINED WITH EPDM AND/OR SILICONE.

FINISH: COLOR TO BE BRONZE TEXTURED (BRTX). APPLICATION OF A POLYESTER POWDER COAT PAINT.

(4 MILS/100 MICRONS). THE CHEMICAL COMPOSITION PROVIDES A HIGHLY DURABLE UV AND SALT SPRAY RESISTANT FINISH IN ACCORDANCE TO THE ASTM—B117—73 STANDARD AND HUMIDITY PROOF IN ACCORDANCE TO THE ASTM—D2247—68 STANDARD.

LIGHTING UNIT ASSEMBLY SHALL MEET AASHTO LOADING REQUIREMENTS AND SHALL BE UL CLASSIFIED.

Streamwood Irving Park Road (30052)



SHALL OFFER TOOLFREE ACCESS TO THE INGASKET SHALL ENSURE WEATHERPROOFING.

THE POLE, MECHANICALLY SECURED.

ACCORDANCE TO THE ASTM-D2247-68 STANDARD.

LUMINAIRE: TR20-250HPS-SG2-OTA/240-BRTX-LMS49375E
HOOD: CAST 356 ALUMINUM DOME, MECHANICALLY ASSEMBLED ON THE LUMINAIRE.
SKIRT: SPUN 1100-0 ALUMINUM, MECHANICALLY ASSEMBLED ON THE LUMINIARE.
SKIRT: SPUN 1100-0 ALUMINUM, MECHANICALLY ASSEMBLED ON THE LUMINIARE.
LAMP: 250 WATT HIGH PRESSURE SOOIUM (ANSI CODE 550), ED 18 BULB, MOGUL BASE.
OPTICAL SYSTEM: (Sc2), I.E.S. TYPE II (ASYMMETRICAL), REFLECTOR COMPOSED OF A CHEMICALLY
BRIGHTENED MULTI-FACETED ANODIZED ALUMINUM, MOUNTED ON A WHITE FRAME. THIS ASSEMBLY ALLOWS
FOR A FULL ROTATION OF THE OPTICAL SYSTEM IN 90 DEGREE INCREMENTS.
BALLAST: HIGH POWER FACTOR OF 90%. PRIMARY VOLTAGE 120/208/240/277 VOLTS, CONNECTED TO 240
VOLTS: LAMP STABTING CAPACITY—40F (-400) DEGREE ASSEMBLE ON A LIMITIZED REMOVABLE TRAY

VOLTS. LAMP STARTING CAPACITY -40F (-40C) DEGREES. ASSEMBLED ON A UNITIZED REMOVABLE TRAY WITH QUICK DISCONNECT PLUG.

ACCESS-MECHANISM: A DIE CAST ALUMINUM TECHNICAL RING WITH LATCH AND HINGE. THE MECHANISM SHALL OFFER TOOLFREE ACCESS TO THE INSIDE OF THE LUMINAIRE. AN EMBEDDED MEMORY-RETENTIVE

BRACKET: UN-2A-BRTX-LMS48375E

ARM: SHALL BE MADE FROM EXTRUDED ALUMINUM 6063-T4, WELDED.

ADAPTOR: CLAMPS MADE OF CAST 356 ALUMINUM, WELDED TO THE ARM AND MECHANICALLY FASTENED TO THE LUMINAIRE BY STANLESS STEEL BOLTS AND NUTS.

CENTRAL ADAPTOR: MADE OF ALUMINUM, 6" (152.4MM) O.D., C/W A TENON PENETRATING 12" (305MM)

POLE: ATR106V-29.25-BA-BRTX-LMS49375E
POLE SHAFT: MADE OF ALUMINUM 6063-T4, ROUND, TEMPERED TO T6 AFTER WELDING, HAVING A BASE

POLE SHAFT: MADE OF ALUMINUM 6063-T4, ROUND, IEMPERED TO T6 AFTER WELDING, HAVING A BASE DIAMETER OF 10" (254MM) AND TOP DIAMETER OF 6" (152MM) WALL THICKNESS 0.188" (4.8MM) WELDED TO BOTH THE BOTTOM AND TOP OF THE ANCHOR PLATE. C/W BANNER PROVISIONS.

MANTENANCE OPENING: THE POLE SHALL HAVE A 4" X B" (102MM X 203MM) MAINTENANCE OPENING CENTERED 20" (508MM) FROM THE BOTTOM OF THE ANCHOR PLATE, COMPLETE WITH A WEATHERPROOF ALUMINUM COVER AND A COPPER REQUISION LIG.

NUT COVER. MADE FROM SPUN ALUMINUM.

NOT COVER: MADE FROM SPON ALDMINOM.

POLE OPTIONS: (BA) TWO WAY (180 DEG), UPPER AND LOWER ARMS (2), FIXED STANDARD TYPE, MADE OF ALUMINUM TUBING, 1 1/16" (27MM) OUTSIDE DIAMETER, MECHANICALLY ASSEMBLED TO THE POLE, COMPLETE WITH A STANDARD CAST ALUMINUM DECORATIVE BALL.

MISCELLANEOUS: BT-BRTX-LMS49375E
TRANSITION BASE: MADE OF ALUMINUM 356, C/W ACCESS DOOR COVERING AN OPENING OF 11" X 5 1/2"

(279MM) A 193MMO A WIRDS, GAUGE (#14) TEW WIRES, 6" (152MM) MINIMUM EXCEEDING THE BRACKET. HARDWARE: ALL EXPOSED SCREWS WILL BE IN STAINLESS STEEL. ALL SEALS AND SEALING DEVICES ARE MADE AND/OR LINED WITH EPDM AND/OR SILICONE. FINISH: COLOR TO BE BRONZE TEXTURED (BRTX). APPLICATION OF A POLYESTER POWDER COAT PAINT.

(4 MILS/100 MICRONS). THE CHEMICAL COMPOSITION PROVIDES A HIGHLY DURABLE UV AND SALT SPRAY RESISTANT FINISH IN ACCORDANCE TO THE ASTM-B117-73 STANDARD AND HUMIDITY PROOF IN

LIGHTING UNIT ASSEMBLY SHALL MEET AASHTO LOADING REQUIREMENTS AND SHALL BE UL CLASSIFIED.

**PHILIPS** 

LUMINAIRE: TR20-400HPS-SG2-OTA/240-BRTX-LMS49375F
HOOD: CAST 356 ALUMINUM DOME, MECHANICALLY ASSEMBLED ON THE LUMINAIRE.
SKRT: SPUN 1100-0 ALUMINUM, MECHANICALLY ASSEMBLED ON THE LUMINAIRE.
SKRT: SPUN 1100-0 ALUMINUM, MECHANICALLY ASSEMBLED ON THE LUMINIARE.
LAMP: 400 WATH HIGH PRESSURE SODIUM (ANSI CODE 550), ED 18 BULB, MOGUL BASE.
OPTICAL SYSTEM: (Sc2), I.E.S. TYPE II (ASYMMETRICAL), REFLECTOR COMPOSED OF A CHEMICALLY
BRIGHTENED MULTI-FACETED ANODIZED ALUMINUM, MOUNTED ON A WHITE FRAME. THIS ASSEMBLY ALLOWS
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BALLAST: HIGH POWER FACTOR OF 90%. PRIMARY VOLTAGE 120/208/240/277 VOLTS, CONNECTED TO 240
VOLTS: LAMP STABTING CAPACITY—40F (-40C) DEGREES. ASSEMBLE ON A LIMITIZED REMOVABILE TRAY

VOLTS. LAMP STARTING CAPACITY -40F (-40C) DEGREES. ASSEMBLED ON A UNITIZED REMOVABLE TRAY WITH QUICK DISCONNECT PLUG.

WITH QUICK DISCONNECT FLUG.

REMOTE BALLAST: LOCATED INSIDE TRANSITION BASE.

ACCESS—WECHANISM: A DIE CAST ALLMINUM TECHNICAL RING WITH LATCH AND HINGE. THE MECHANISM.

SHALL OFFER TOOLFREE ACCESS TO THE INSIDE OF THE LUMINAIRE. AN EMBEDDED MEMORY—RETENTIVE GASKET SHALL ENSURE WEATHERPROOFING.

Lumec is a Philips group brane

BRACKET: UN-2A-BRTX-LMS49375F
ARM: SHALL BE MADE FROM EXTRUDED ALUMINUM 6063-T4, WELDED.
ADAPTOR: CLAMPS MADE OF CAST 356 ALUMINUM, WELDED TO THE ARM AND MECHANICALLY FASTENED TO THE LUMINAIRE BY STAINLESS STEEL BOLTS AND NUTS.

CENTRAL ADAPTOR: MADE OF ALUMINUM, 6" (152.4MM) O.D., C/W A TENON PENETRATING 12" (305MM)

POLE: ATR106N-29.25-BA-BRTX-LMS49375F.
POLE SHAFT: MADE OF ALUMINUM 6063-T4, ROUND, TEMPERED TO T6 AFTER WELDING, HAVING A BASE POLE SHAP!: MADE OF ALUMINUM 6053-14, KOUND, IEMPERED 10 16 AF IER WELDING, HAVING A BASE DIAMETER OF 6 10" (254MM) AND TOP DIAMETER OF 6" (152MM) WALL THICKNESS 0.188" (4.8MM) WELDED TO BOTH THE BOTTOM AND TOP OF THE ANCHOR PLATE. C/W BANNER PROVISIONS. MAINTENANCE OPENING: THE POLE SHALL HAVE A 4"X X" (102MM X 203MM) MAINTENANCE OPENING CENTERED 20" (508MM) FROM THE BOTTOM OF THE ANCHOR PLATE, COMPLETE WITH A WEATHERPROOF ALUMINUM COVER AND A COPPER ROQUIND LUG. NUT COVER: MADE FROM SPUN ALUMINUM.

MISCELLANEOUS: BT-BRTX-LMS49375F

TRANSITION BASE: MADE OF ALUMINUM 356, C/W ACCESS DOOR COVERING AN OPENING OF 11" X 5 1/2"

(279MM X 139MM).

WHRING: GAUGE (#14) TEW WIRES, 6" (152MM) MINIMUM EXCEEDING THE BRACKET.

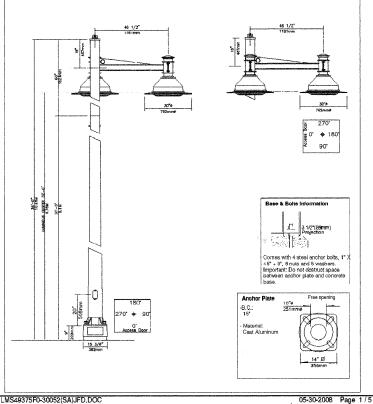
HARDWARE: ALL EXPOSED SCREWS WILL BE IN STAINLESS STEEL. ALL SEALS AND SEALING DEVICES ARE
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FINISH: COLOR TO BE BRONZE TEXTURED (BRTX). APPLICATION OF A POLYESTER POWDER COAT PAINT.

(4 MILS/100 MICRONS). THE CHEMICAL COMPOSITION PROVIDES A HIGHLY DURABLE UV AND SALT SPRAY
RESISTANT FINISH IN ACCORDANCE TO THE ASTM—B117—73 STANDARD AND HUMIDITY PROOF IN

ACCORDANCE TO THE ASTM—D2247—68 STANDARD.

Streamwood Irving Park Road (30052)



LMS49375F0-30052(SA)JFD.DOC

**PHILIPS** 

---- 2.5'MIN.-CURB & GUTTER--COMPACTED EARTH BACKFILL -6" RED WARNING TAPE 6"-12" ABOVE DUC 2" RIGID GALVANIZED STEEL CONDUIT-NO SCALE NOTE:

F.A.U. R.T.E.

SECTION

1321 05-00049-00-LT

CONTRACT NO. 63068

TOTAL

COOK

LIGHTING DETAILS ILLINOIS

SHEET. NO.

9

1. ALL SURFACES MUST BE RESTORED TO ORGINAL CONDITION

## CONDUIT TRENCH AND BACKFILL

LIGHTING UNIT ASSEMBLY SHALL MEET AASHTO LOADING REQUIREMENTS AND SHALL BE UL CLASSIFIED.

PLANS PREPARED BY: REVISIONS GEWALT HAMILTON NAME DATE Consulting Engineers & Surveyors 850 Forest Edge Drive Vernon Hills, IL 60061 (847) 478-9700 (847) 478-9701 Fax

ILLINOIS DEPARTMENT OF TRANSPORTATION LIGHTING DETAILS

IRVING PARK ROAD LIGHTING STREAMWOOD, ILLINOIS

SCALE: N.T.S.

DRAWN BY: DRS DESIGNED BY: AJP CHECKED BY: BLS