SEE DETAILS D, E AND F

HIGH MAST LIGHT STANDARD (SEE SPECIAL PROVISIONS)

PAY ITEM HEIGHT (120'-0" MAX.) CONTINUOUS POLE TAPER

SEE DETAIL G

SERVICE PORTAL WITH COVER (WINCH ASSEMBLY), ORIENT DUE NORTH

SERVICE HAND HOLE WITH COVER (3/8" x 8" MIN.), ORIENT DUE NORTH

3'-4"
1'-6"

CONCRETE CAISSON AS SHOWN ON PLANS

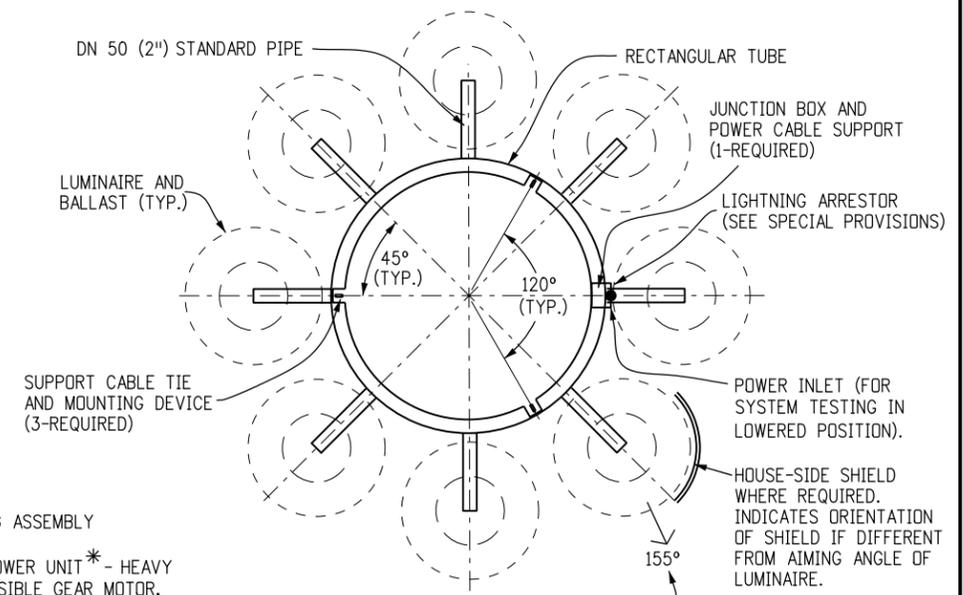**HIGH MAST LIGHTING UNIT**
FOR FOUNDATION DETAILS SEE THE PLANS.

VARIABLE

MATING DEVICE (3 REQUIRED)

SECTION A-A

A
B
120°
60°
60°
60°
120°
120°

A 8 IN. DIA. CABLE PULLEY (FOR PORTABLE ELECTRICAL CABLE)
B 6 IN. DIA. SUPPORT CABLE PULLEY (6 REQUIRED)
C POLE TOP (SCHEDULE 80 PIPE)
D RECTANGULAR TUBE
E HOOD
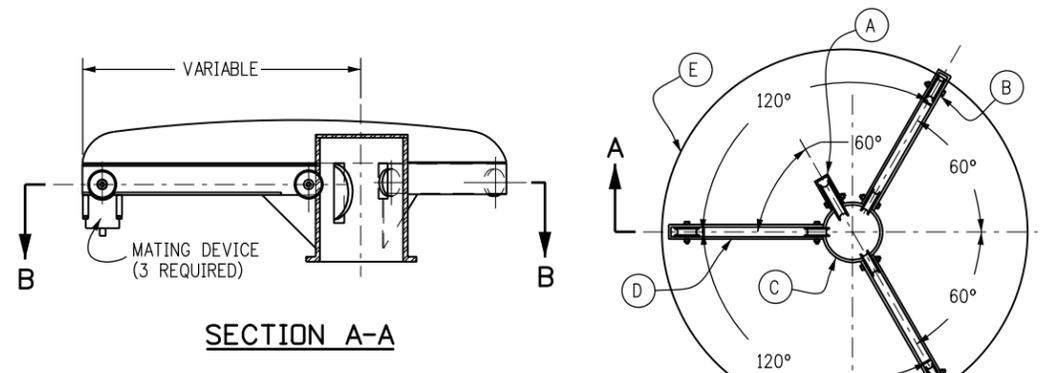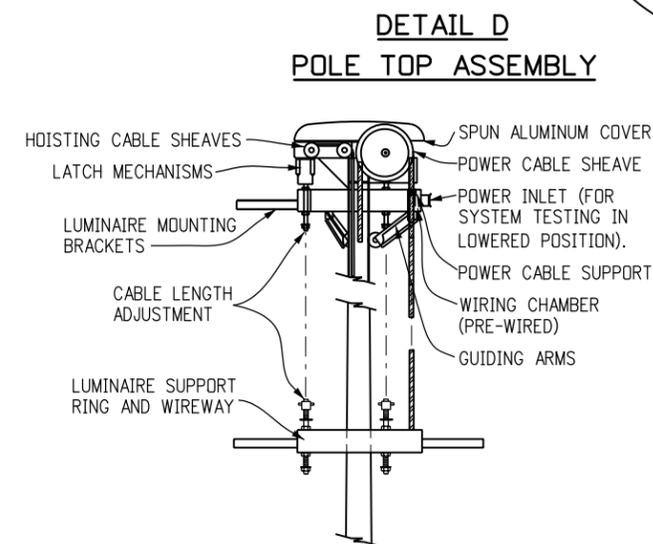
DETAIL D
POLE TOP ASSEMBLY

SECTION B-B

DN 50 (2") STANDARD PIPE
RECTANGULAR TUBE
JUNCTION BOX AND POWER CABLE SUPPORT (1-REQUIRED)
LUMINAIRE AND BALLAST (TYP.)
LIGHTNING ARRESTOR (SEE SPECIAL PROVISIONS)
45° (TYP.)
120° (TYP.)
POWER INLET (FOR SYSTEM TESTING IN LOWERED POSITION).
SUPPORT CABLE TIE AND MOUNTING DEVICE (3-REQUIRED)
HOUSE-SIDE SHIELD WHERE REQUIRED. INDICATES ORIENTATION OF SHIELD IF DIFFERENT FROM AIMING ANGLE OF LUMINAIRE.
155°
INDICATES AIMING ANGLE FOR LUMINAIRE MEASURED CLOCKWISE FROM DUE NORTH. DUE NORTH IS 0°.

TYPICAL FOR 8 LUMINAIRES. NUMBER OF LUMINAIRES SHALL BE AS SHOWN ON THE PLANS.

DETAIL F
LUMINAIRE SUPPORT ASSEMBLY

HOISTING CABLE SHEAVES
LATCH MECHANISMS
LUMINAIRE MOUNTING BRACKETS
CABLE LENGTH ADJUSTMENT
LUMINAIRE SUPPORT RING AND WIREWAY
SPUN ALUMINUM COVER
POWER CABLE SHEAVE
POWER INLET (FOR SYSTEM TESTING IN LOWERED POSITION).
POWER CABLE SUPPORT
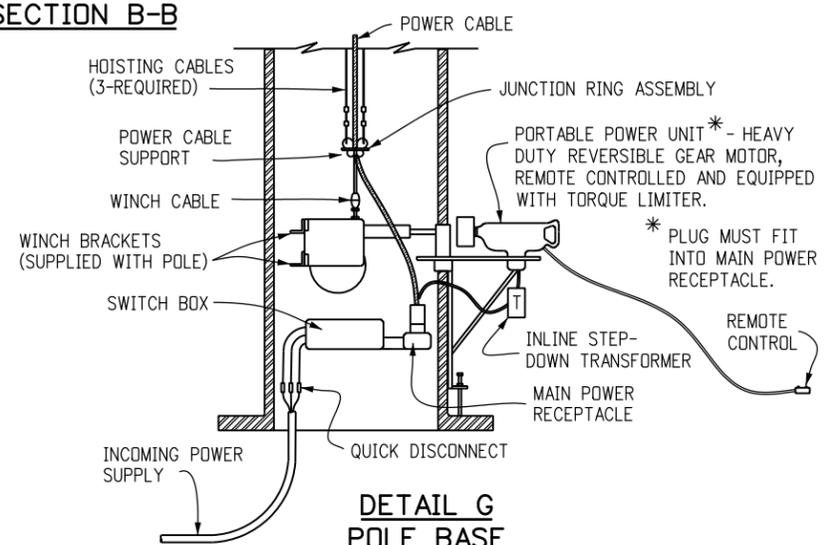WIRING CHAMBER (PRE-WIRED)
GUIDING ARMS

DETAIL E
RAISING AND LOWERING DEVICE

DETAILS FOR THE LOWERING SYSTEM ARE FOR INFORMATION ONLY AND REPRESENT A TYPICAL LAYOUT. ONE POWER CABLE DISCONNECT IS REQUIRED AT THE BASE OF THE POLE.
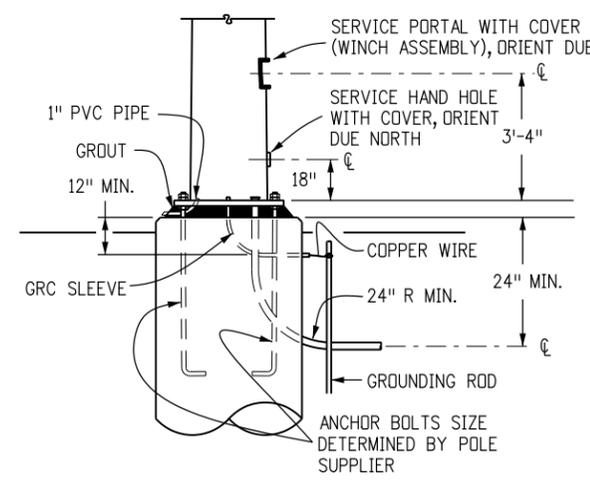
POWER CABLE
HOISTING CABLES (3-REQUIRED)
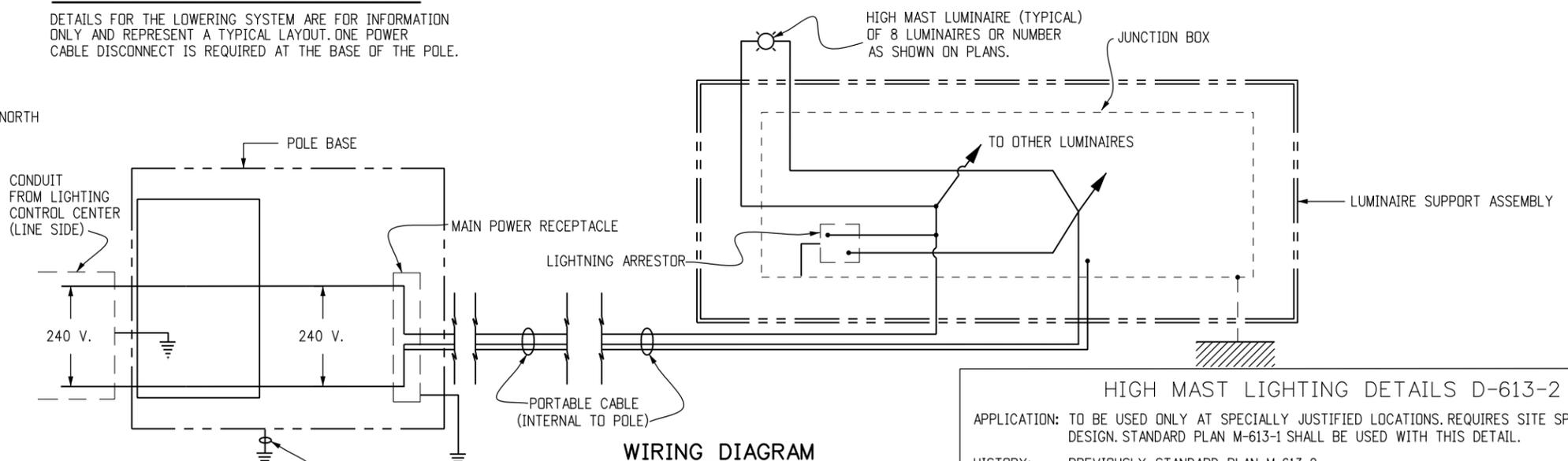JUNCTION RING ASSEMBLY
POWER CABLE SUPPORT
WINCH CABLE
PORTABLE POWER UNIT * - HEAVY DUTY REVERSIBLE GEAR MOTOR, REMOTE CONTROLLED AND EQUIPPED WITH TORQUE LIMITER.
WINCH BRACKETS (SUPPLIED WITH POLE)
SWITCH BOX
* PLUG MUST FIT INTO MAIN POWER RECEPTACLE.
INLINE STEP-DOWN TRANSFORMER
REMOTE CONTROL
MAIN POWER RECEPTACLE
INCOMING POWER SUPPLY
QUICK DISCONNECT

DETAIL G
POLE BASE

SERVICE PORTAL WITH COVER (WINCH ASSEMBLY), ORIENT DUE NORTH
1" PVC PIPE
GROUT
12" MIN.
SERVICE HAND HOLE WITH COVER, ORIENT DUE NORTH
3'-4"
18"
COPPER WIRE
GRC SLEEVE
24" R MIN.
24" MIN.
GROUNDING ROD
ANCHOR BOLTS SIZE DETERMINED BY POLE SUPPLIER

TYPICAL FOUNDATION SECTION

CONDUIT FROM LIGHTING CONTROL CENTER (LINE SIDE)
POLE BASE
MAIN POWER RECEPTACLE
LIGHTNING ARRESTOR
240 V.
240 V.
PORTABLE CABLE (INTERNAL TO POLE)
HIGH MAST LUMINAIRE (TYPICAL) OF 8 LUMINAIRES OR NUMBER AS SHOWN ON PLANS.
JUNCTION BOX
TO OTHER LUMINAIRES
LUMINAIRE SUPPORT ASSEMBLY

SEE SPECIFICATIONS FOR GROUNDING DETAILS
NOTE: WIRING DIAGRAM IS BASED ON THE USE OF A 240V SYSTEM WITH ELECTRICAL EQUIPMENT SIZED PER N.E.C.

WIRING DIAGRAM