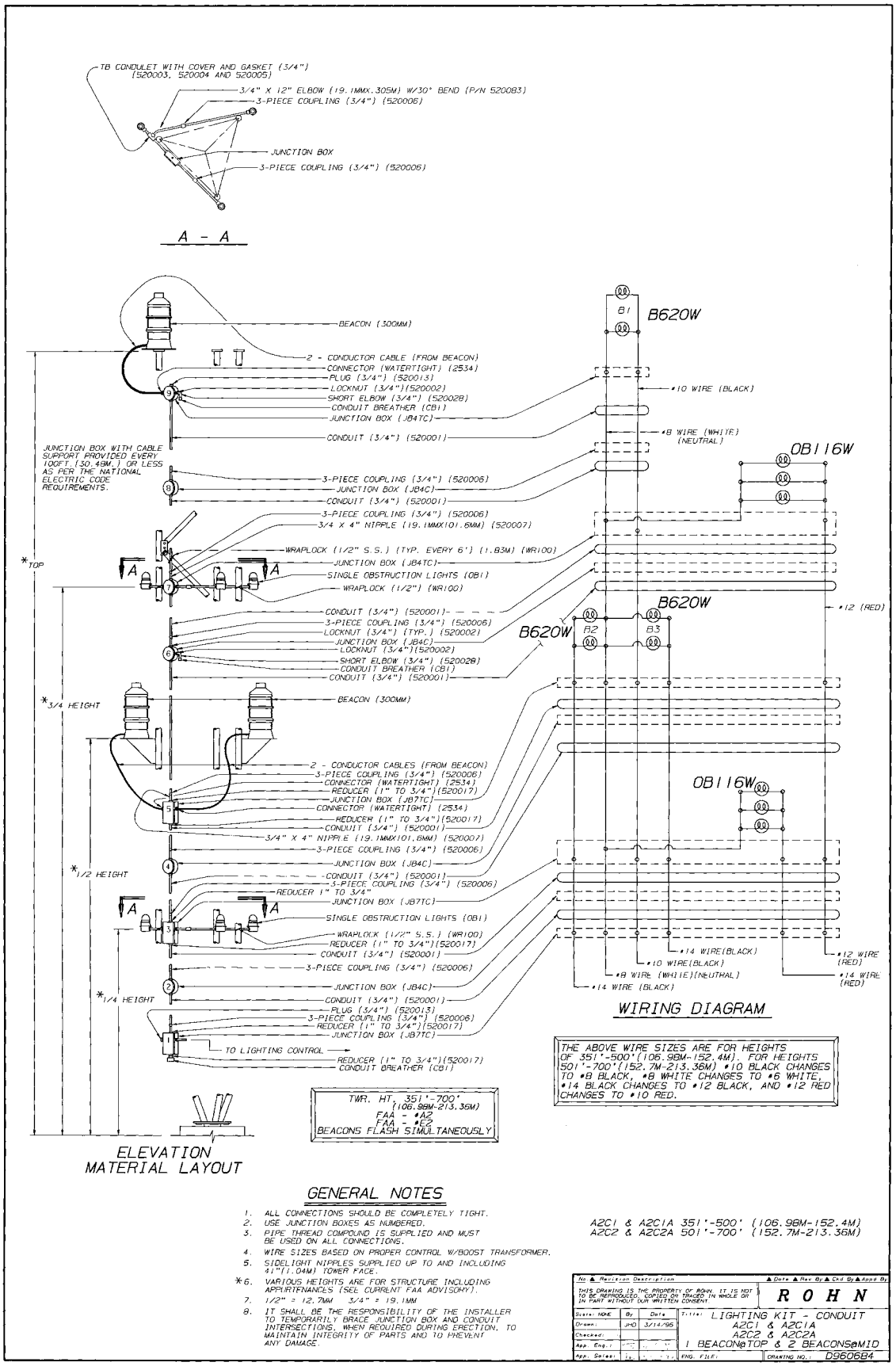
TB CONDULET WITH COVER AND GASKET (3/4") (520003, 520004 AND 520005)
3/4" X 12" ELBOW (19.1MMX.305M) W/30° BEND (P/N 520083)
3-PIECE COUPLING (3/4") (520006)
JUNCTION BOX
3-PIECE COUPLING (3/4") (520006)
A - A
BEACON (300MM)
2 - CONDUCTOR CABLE (FROM BEACON)
CONNECTOR (WATERTIGHT) (2534)
PLUG (3/4") (520013)
LOCKNUT (3/4")(520002)
SHORT ELBOW (3/4") (52002B)
CONDUIT BREATHER (CB1)
JUNCTION BOX (JB4TC)
CONDUIT (3/4") (520001)
JUNCTION BOX WITH CABLE SUPPORT PROVIDED EVERY 100FT. (30.49M.) OR LESS AS PER THE NATIONAL ELECTRIC CODE REQUIREMENTS.
3-PIECE COUPLING (3/4") (520006)
JUNCTION BOX (JB4C)
CONDUIT (3/4") (520001)
3-PIECE COUPLING (3/4") (520006)
3/4 X 4" NIPPLE (19.1MMX101.6MM) (520007)
WRAPLOCK (1/2" S.S.) (TYP. EVERY 6') (1.83M) (WR100)
JUNCTION BOX (JB4TC)
SINGLE OBSTRUCTION LIGHTS (OB1)
WRAPLOCK (1/2") (WR100)
*TOP
A
A
CONDUIT (3/4") (520001)
3-PIECE COUPLING (3/4") (520006)
LOCKNUT (3/4") (TYP.) (520002)
JUNCTION BOX (JB4C)
LOCKNUT (3/4")(520002)
SHORT ELBOW (3/4") (52002B)
CONDUIT BREATHER (CB1)
CONDUIT (3/4") (520001)
*3/4 HEIGHT
BEACON (300MM)
2 - CONDUCTOR CABLES (FROM BEACON)
3-PIECE COUPLING (3/4") (520006)
CONNECTOR (WATERTIGHT) (2534)
REDUCER (1" TO 3/4")(520017)
JUNCTION BOX (JB7TC)
CONNECTOR (WATERTIGHT) (2534)
REDUCER (1" TO 3/4")(520017)
CONDUIT (3/4") (520001)
3/4" X 4" NIPPLE (19.1MMX101.6MM) (520007)
3-PIECE COUPLING (3/4") (520006)
JUNCTION BOX (JB4C)
*1/2 HEIGHT
CONDUIT (3/4") (520001)
3-PIECE COUPLING (3/4") (520006)
REDUCER 1" TO 3/4"
JUNCTION BOX (JB7TC)
A
A
SINGLE OBSTRUCTION LIGHTS (OB1)
WRAPLOCK (1/2" S.S.) (WR100)
REDUCER (1" TO 3/4")(520017)
CONDUIT (3/4") (520001)
3-PIECE COUPLING (3/4") (520006)
JUNCTION BOX (JB4C)
*1/4 HEIGHT
CONDUIT (3/4") (520001)
PLUG (3/4") (520013)
3-PIECE COUPLING (3/4") (520006)
REDUCER (1" TO 3/4")(520017)
JUNCTION BOX (JB7TC)
TO LIGHTING CONTROL
REDUCER (1" TO 3/4")(520017)
CONDUIT BREATHER (CB1)
ELEVATION
MATERIAL LAYOUT
TWR. HT. 351'-700' (106.98M-213.36M)
FAA - #A2
FAA - #E2
BEACONS FLASH SIMULTANEOUSLY
B1
B620W
#10 WIRE (BLACK)
#8 WIRE (WHITE) (NEUTRAL)
OB116W
B620W
B2
B3
B620W
#12 (RED)
OB116W
#14 WIRE(BLACK)
#10 WIRE(BLACK)
#8 WIRE (WHITE)(NEUTHAL)
#14 WIRE (BLACK)
#12 WIRE (RED)
#14 WIRE (RED)
WIRING DIAGRAM
THE ABOVE WIRE SIZES ARE FOR HEIGHTS OF 351'-500'(106.98M-152.4M). FOR HEIGHTS 501'-700'(152.7M-213.36M) #10 BLACK CHANGES TO #8 BLACK, #8 WHITE CHANGES TO #6 WHITE, #14 BLACK CHANGES TO #12 BLACK, AND #12 RED CHANGES TO #10 RED.
GENERAL NOTES
1. ALL CONNECTIONS SHOULD BE COMPLETELY TIGHT.
2. USE JUNCTION BOXES AS NUMBERED.
3. PIPE THREAD COMPOUND IS SUPPLIED AND MUST BE USED ON ALL CONNECTIONS.
4. WIRE SIZES BASED ON PROPER CONTROL W/BOOST TRANSFORMER.
5. SIDELIGHT NIPPLES SUPPLIED UP TO AND INCLUDING 41"(1.04M) TOWER FACE.
*6. VARIOUS HEIGHTS ARE FOR STRUCTURE INCLUDING APPURTENANCES (SEE CURRENT FAA ADVISORY).
7. 1/2" = 12.7MM 3/4" = 19.1MM
8. IT SHALL BE THE RESPONSIBILITY OF THE INSTALLER TO TEMPORARILY BRACE JUNCTION BOX AND CONDUIT INTERSECTIONS, WHEN REQUIRED DURING ERECTION, TO MAINTAIN INTEGRITY OF PARTS AND TO PREVENT ANY DAMAGE.
A2C1 & A2C1A 351'-500' (106.98M-152.4M)
A2C2 & A2C2A 501'-700' (152.7M-213.36M)
No. Revision Description Date Rev By Chk By Appd By
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ROHN
Scale: NONE By Date
Drawn: JHO 3/14/96
Checked:
App. Eng.:
App. Sales:
Title: LIGHTING KIT - CONDUIT
A2C1 & A2C1A
A2C2 & A2C2A
1 BEACON@TOP & 2 BEACONS@MID
ENG. File:
DRAWING NO.: D9606B4