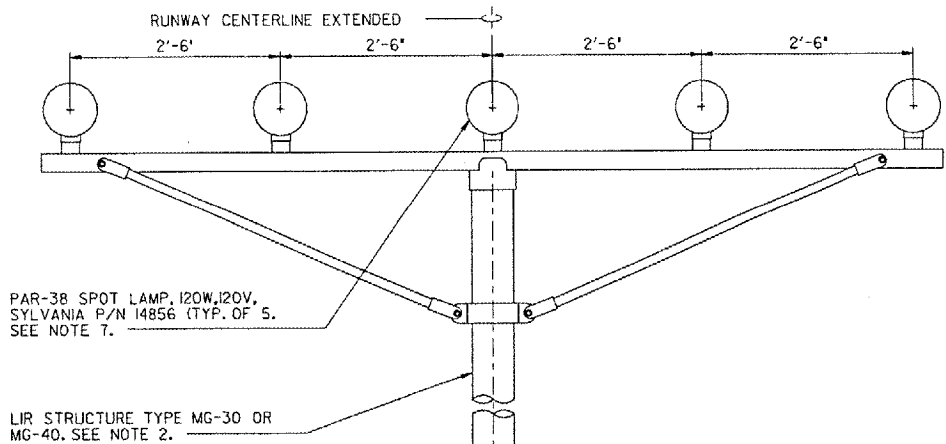


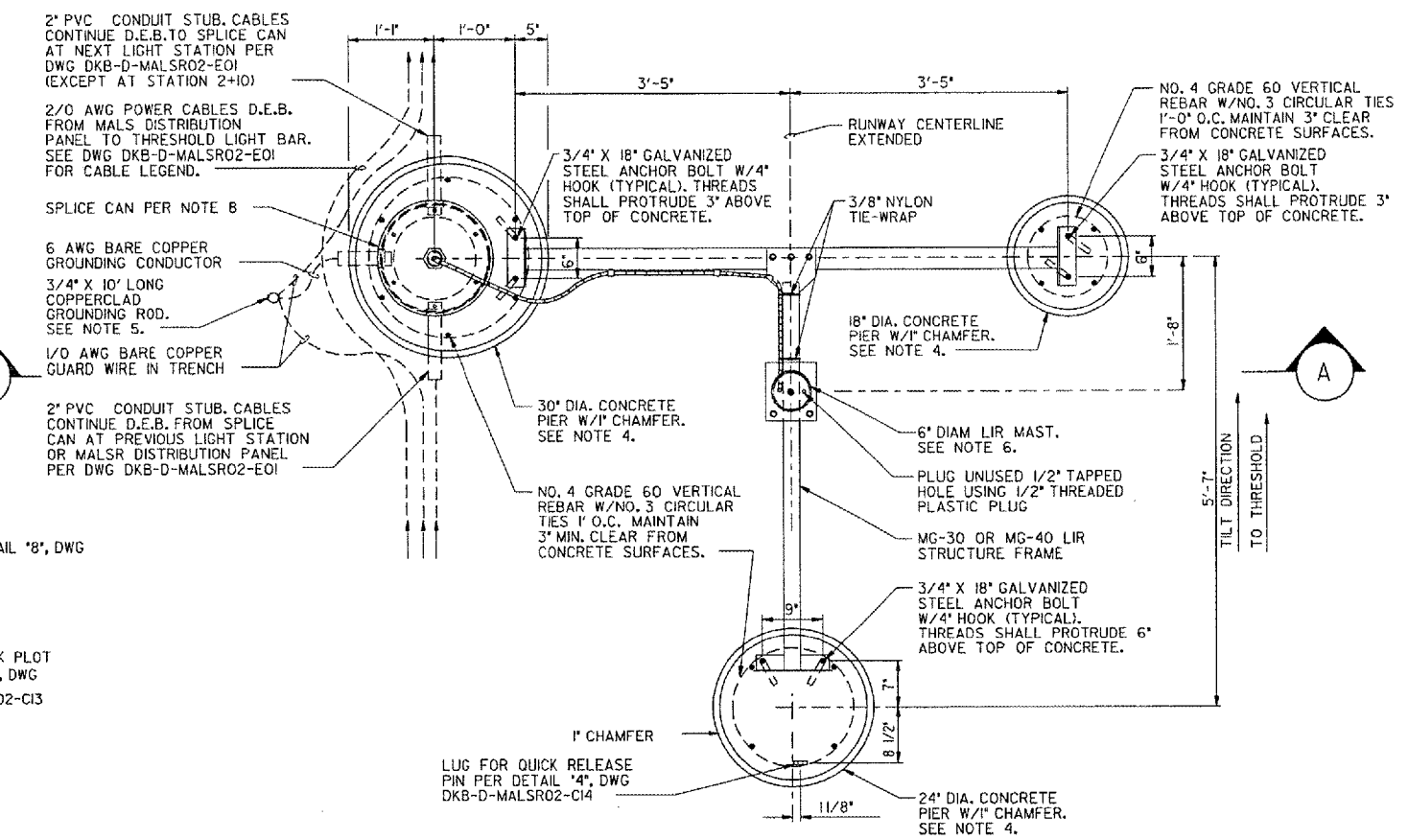
NOTES:

1. SEE PLAN AND PROFILE DWG FOR LAMP CENTERLINE AND FOUNDATION TOP ELEVATIONS.
2. LIR TOWER SHALL PIVOT TOWARD THE RUNWAY THRESHOLD. SEE NOTE 1, DWG DKB-D-MALSRO2-SOIFOR LIR TUBE CUTTING LENGTH CALCULATION AND STRUCTURE ASSEMBLY DETAILS.
3. SEE PROJECT SPECIAL PROVISIONS FOR EXCAVATION AND BACKFILL REQUIREMENTS. EXCAVATION SHALL BE SHORED OR SHAPED PER OSHA REQUIREMENTS.
4. SEE PROJECT SPECIAL PROVISIONS FOR CONCRETE FORM WORK. REINFORCEMENT, MATERIAL, PLACEMENT, AND CURING SPECIFICATIONS.
5. ALL CONNECTIONS TO GROUNDING RODS SHALL BE MADE USING EXOTHERMIC WELDS PER SPECIFICATIONS.
6. FOUNDATION SHALL BE CONSTRUCTED SUCH THAT LIR MAST IS CENTERED AT THE RUNWAY STATION SHOWN ON PLAN AND PROFILE DWG.
7. SEE DETAILS '3', DWG DKB-D-MALSRO2-E03 AND '6', DWG DKB-D-MALSRO2-E04 FOR LIR LIGHT BAR WIRING AND LAMPHOLDER INSTALLATION DETAILS.
8. THE SPLICE CAN SHALL BE A SPECIFICATION FAA-E-1315A, L867D LIGHT BASE, CLASS I, 16 1/4" I.D., 24" DEEP, JAQUITH CAT. NO. AC63242030030I WITH 3/8" COVER PLATE, JAQUITH CAT. NO. AK2002-06 OR CAT. NO. AP2832 AND GASKET, JAQUITH CAT. NO. 105302BL. THE PLYWOOD SHIPPING COVER SHALL BE USED AS CONCRETE FORM TO PROVIDE 5/16" WIDE AIR GAP IN CONCRETE AROUND BASE PLATE. TOP OF COVER SHALL BE FLUSH WITH TOP OF CONCRETE FOUNDATION.



PAR-38 SPOT LAMP, 120W, 120V, SYLVANIA P/N 14856 (TYP. OF 5). SEE NOTE 7.

LIR STRUCTURE TYPE MG-30 OR MG-40. SEE NOTE 2.



2" PVC CONDUIT STUB, CABLES CONTINUE D.E.B. TO SPLICE CAN AT NEXT LIGHT STATION PER DWG DKB-D-MALSRO2-E01 (EXCEPT AT STATION 2+10)

2/0 AWG POWER CABLES D.E.B. FROM MALS DISTRIBUTION PANEL TO THRESHOLD LIGHT BAR. SEE DWG DKB-D-MALSRO2-E01 FOR CABLE LEGEND.

SPLICE CAN PER NOTE 8

6 AWG BARE COPPER GROUNDING CONDUCTOR
3/4" X 10' LONG COPPERCLAD GROUNDING ROD. SEE NOTE 5.

1/0 AWG BARE COPPER GUARD WIRE IN TRENCH

2" PVC CONDUIT STUB, CABLES CONTINUE D.E.B. FROM SPLICE CAN AT PREVIOUS LIGHT STATION OR MALS DISTRIBUTION PANEL PER DWG DKB-D-MALSRO2-E01

3/4" X 18" GALVANIZED STEEL ANCHOR BOLT W/4" HOOK (TYPICAL). THREADS SHALL PROTRUDE 3" ABOVE TOP OF CONCRETE.

3/8" NYLON TIE-WRAP

NO. 4 GRADE 60 VERTICAL REBAR W/NO. 3 CIRCULAR TIES 1'-0" O.C. MAINTAIN 3" CLEAR FROM CONCRETE SURFACES.

3/4" X 18" GALVANIZED STEEL ANCHOR BOLT W/4" HOOK (TYPICAL). THREADS SHALL PROTRUDE 3" ABOVE TOP OF CONCRETE.

18" DIA. CONCRETE PIER W/1" CHAMFER. SEE NOTE 4.

30" DIA. CONCRETE PIER W/1" CHAMFER. SEE NOTE 4.

NO. 4 GRADE 60 VERTICAL REBAR W/NO. 3 CIRCULAR TIES 1' O.C. MAINTAIN 3" MIN. CLEAR FROM CONCRETE SURFACES.

6" DIAM LIR MAST. SEE NOTE 6.

PLUG UNUSED 1/2" TAPPED HOLE USING 1/2" THREADED PLASTIC PLUG

MG-30 OR MG-40 LIR STRUCTURE FRAME

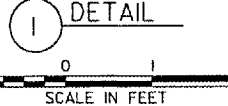
3/4" X 18" GALVANIZED STEEL ANCHOR BOLT W/4" HOOK (TYPICAL). THREADS SHALL PROTRUDE 6" ABOVE TOP OF CONCRETE.

1" CHAMFER

LUG FOR QUICK RELEASE PIN PER DETAIL '4', DWG DKB-D-MALSRO2-C14

24" DIA. CONCRETE PIER W/1" CHAMFER. SEE NOTE 4.

PLAN FOUNDATION LAYOUT FOR STEADY-BURNING LIGHT BAR



1/2" LIQUID-TIGHT FLEXIBLE CONDUIT

1/2" LIQUID-TIGHT FLEXIBLE CONDUIT CONNECTOR, 90°, MALE

SEE DETAIL '7', DWG DKB-D-MALSRO2-E04

2" FRANGIBLE COUPLING

SPLICE CAN PER NOTE 8

GROUNDING CLAMP

STABILIZER ROD

TURNBUCKLE

LIR MG-30 OR MG-40 FRAME

LIR MAST. SEE NOTE 6.

1/2" MALE CONNECTOR W/45° ELBOW

CRUSHED ROCK PLOT PER DETAIL 8, DWG DKB-D-MALSRO2-C13

3/4" X 10' LONG COPPERCLAD GROUND ROD

6 AWG BARE COPPER GROUNDING CONDUCTOR

2" PVC STUB, DO NOT SEAL OPEN END.

'FLEX-CONNEX' HUB (TYPICAL)

SECURE FLEX CONDUIT TO LIR FRAME USING TWO BEAM CLAMPS

REINFORCED CONCRETE FOUNDATION. SEE NOTE 4.

A SECTION ELEVATION VIEW

PLOT DATE = 03/23/2007, 10:00 AM
 FILE NAME = I:\Projects\DEKALB\BORG\BORG-dbelec\Airport\Sheets\Micro-Station\Sheets\MALSRO2-C10 OR MG-40 STDY BRNG ON COND FOR MALS D.E.B 14+50.dgn
 SCALE = 2/3 5/16 1/7 IN.
 USER NAME = JLB

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION GREAT LAKES REGION CHICAGO, ILLINOIS			
MALS FOUNDATION DETAILS FOR STEADY-BURNING LIGHT BAR AT STATION 14+50 RUNWAY 02			
DEKALB		DEKALB TAYLOR MUNICIPAL AIRPORT IL	
REVIEWED BY	SUBMITTED BY	APPROVED BY	
PROJ. ENGR.	TAD	ISSUED BY	PLATFORM MGR.
DATE		CHICAGO NAS	DATE
DRAWN	TAD	IMPLEMENTATION	DRAWING NO.
		CENTER	DKB-D-MALSRO2-C10
DATE	DESCRIPTION		