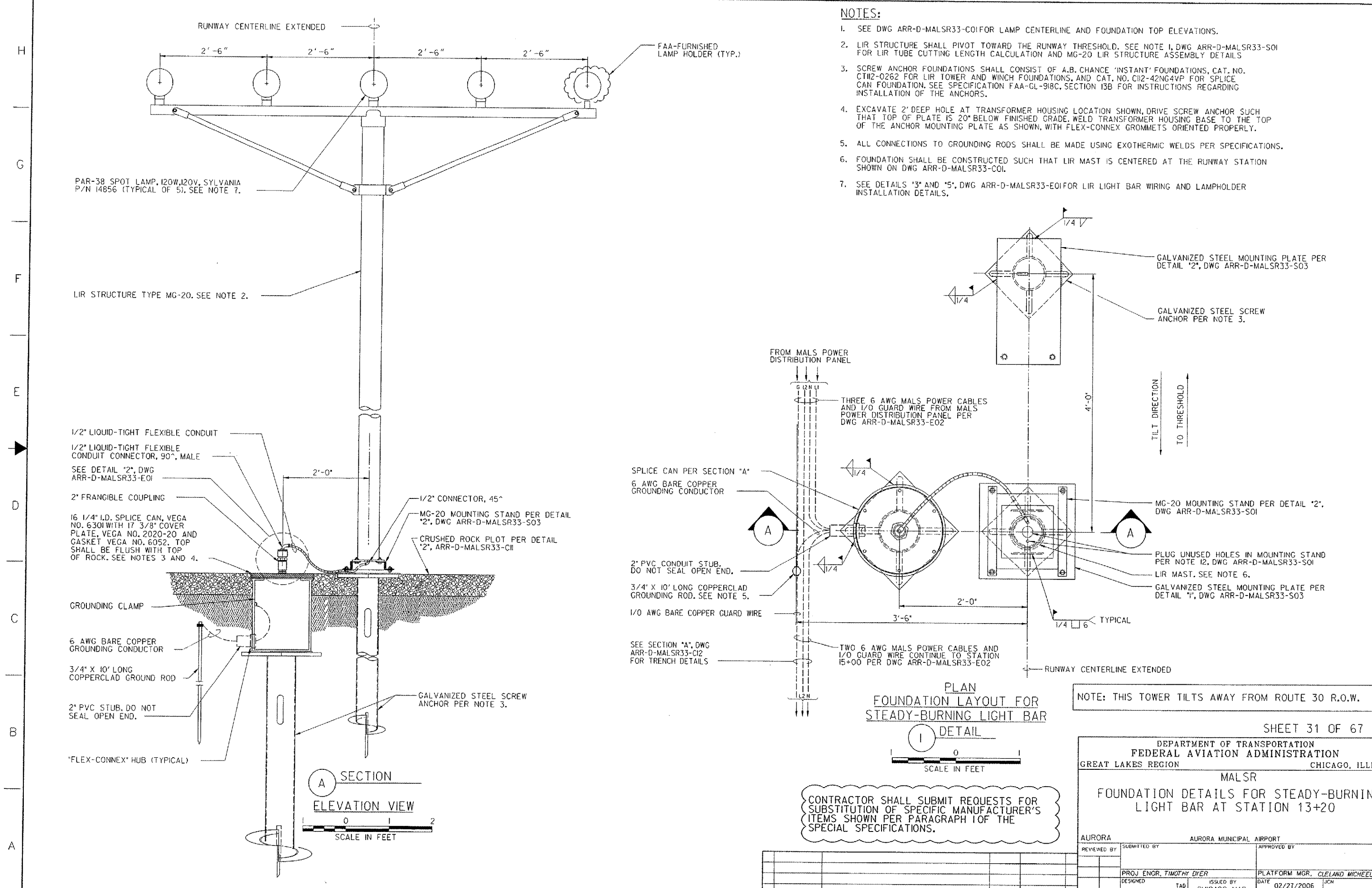


THIS DRAWING PRODUCED ON THE GREAT LAKES REGION AUTOMATION SYSTEM

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NOTES:

1. SEE DWG ARR-D-MALSR33-CO1 FOR LAMP CENTERLINE AND FOUNDATION TOP ELEVATIONS.
2. LIR STRUCTURE SHALL PIVOT TOWARD THE RUNWAY THRESHOLD. SEE NOTE 1, DWG ARR-D-MALSR33-SO1 FOR LIR TUBE CUTTING LENGTH CALCULATION AND MG-20 LIR STRUCTURE ASSEMBLY DETAILS
3. SCREW ANCHOR FOUNDATIONS SHALL CONSIST OF A.B. CHANCE 'INSTANT' FOUNDATIONS, CAT. NO. CT12-0262 FOR LIR TOWER AND WINCH FOUNDATIONS, AND CAT. NO. CH2-42NG4VP FOR SPLICE CAN FOUNDATION. SEE SPECIFICATION FAA-GL-918C, SECTION 13B FOR INSTRUCTIONS REGARDING INSTALLATION OF THE ANCHORS.
4. EXCAVATE 2' DEEP HOLE AT TRANSFORMER HOUSING LOCATION SHOWN, DRIVE SCREW ANCHOR SUCH THAT TOP OF PLATE IS 20" BELOW FINISHED GRADE. WELD TRANSFORMER HOUSING BASE TO THE TOP OF THE ANCHOR MOUNTING PLATE AS SHOWN, WITH FLEX-CONNEX GROMMETS ORIENTED PROPERLY.
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 DWG ARR-D-MALSR33-CO1.
7. SEE DETAILS '3' AND '5', DWG ARR-D-MALSR33-E01 FOR LIR LIGHT BAR WIRING AND LAMP HOLDER INSTALLATION DETAILS.

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

LIR STRUCTURE TYPE MG-20. SEE NOTE 2.

1/2" LIQUID-TIGHT FLEXIBLE CONDUIT
1/2" LIQUID-TIGHT FLEXIBLE CONDUIT CONNECTOR, 90°, MALE
SEE DETAIL '2', DWG ARR-D-MALSR33-E01

2" FRANGIBLE COUPLING

16 1/4" I.D. SPLICE CAN, VEGA NO. 6301 WITH 17 3/8" COVER PLATE, VEGA NO. 2020-20 AND GASKET VEGA NO. 6052. TOP SHALL BE FLUSH WITH TOP OF ROCK. SEE NOTES 3 AND 4.

GROUNDING CLAMP

6 AWG BARE COPPER GROUNDING CONDUCTOR

3/4" X 10' LONG COPPERCLAD GROUND ROD

2" PVC STUB, DO NOT SEAL OPEN END.

'FLEX-CONNEX' HUB (TYPICAL)

A SECTION
ELEVATION VIEW
SCALE IN FEET

SPLICE CAN PER SECTION 'A'
6 AWG BARE COPPER GROUNDING CONDUCTOR

2" PVC CONDUIT STUB, DO NOT SEAL OPEN END.

3/4" X 10' LONG COPPERCLAD GROUNDING ROD. SEE NOTE 5.

1/0 AWG BARE COPPER GUARD WIRE

SEE SECTION 'A', DWG ARR-D-MALSR33-C12 FOR TRENCH DETAILS

FROM MALS POWER DISTRIBUTION PANEL

THREE 6 AWG MALS POWER CABLES AND 1/0 GUARD WIRE FROM MALS POWER DISTRIBUTION PANEL PER DWG ARR-D-MALSR33-E02

SECTION 'A'

SECTION 'A'

PLAN
FOUNDATION LAYOUT FOR
STEADY-BURNING LIGHT BAR
I DETAIL
SCALE IN FEET

NOTE: THIS TOWER TILTS AWAY FROM ROUTE 30 R.O.W.

SHEET 31 OF 67

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
GREAT LAKES REGION CHICAGO, ILLINOIS

MALSR
FOUNDATION DETAILS FOR STEADY-BURNING
LIGHT BAR AT STATION 13+20

AURORA		AURORA MUNICIPAL AIRPORT		IL
REVIEWED BY	SUBMITTED BY	APPROVED BY		
	PROJ ENGR, TIMOTHY DYER	PLATFORM MGR, CLELAND MICHEEL		
DESIGNED	TAD	ISSUED BY	CHICAGO NAS IMPLEMENTATION CENTER	DATE 02/21/2006
DRAWN	TAD	DRAWING NO	ARR-D-MALSR33-C08	
CHECKED	EGS			

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

CONTRACTOR SHALL SUBMIT REQUESTS FOR SUBSTITUTION OF SPECIFIC MANUFACTURER'S ITEMS SHOWN PER PARAGRAPH 1 OF THE SPECIAL SPECIFICATIONS.

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