

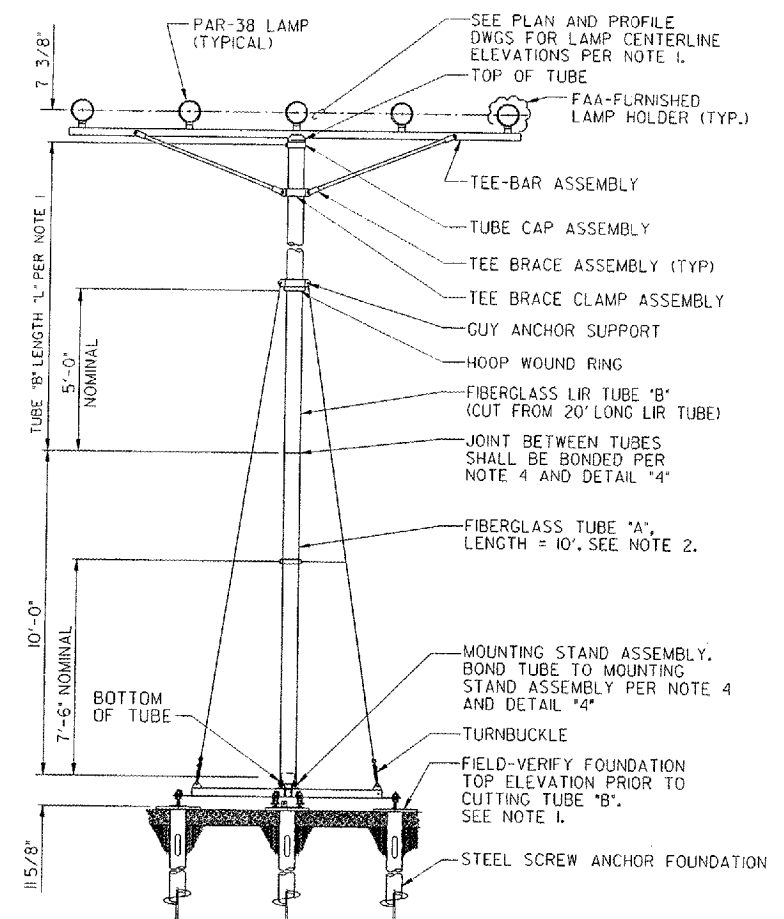
THIS DRAWING PRODUCED ON THE GREAT LAKES REGION MICROSTATION SYSTEM

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5/10/2006 5:23:28 PM BMMES
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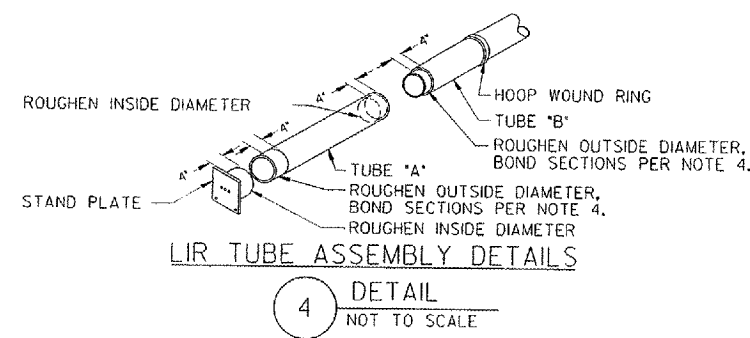
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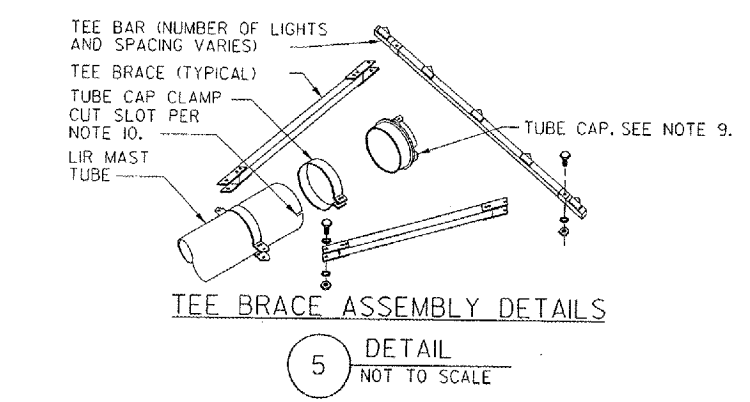


ELEVATION
MALSR STEADY-BURNING LIGHT
BAR ON MG-30 LIR STRUCTURE

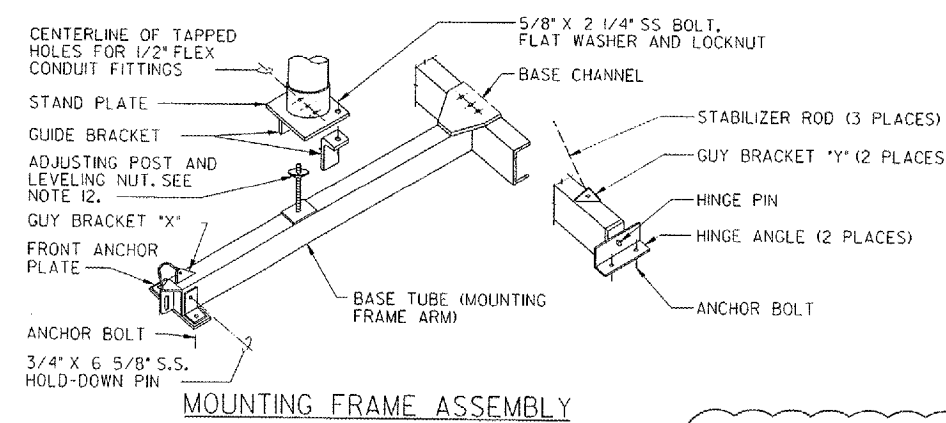
1 DETAIL
NOT TO SCALE



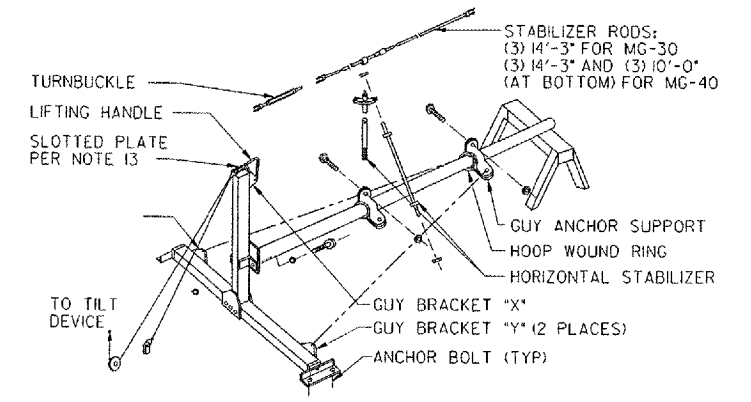
LIR TUBE ASSEMBLY DETAILS
4 DETAIL
NOT TO SCALE



TEE BRACE ASSEMBLY DETAILS
5 DETAIL
NOT TO SCALE



MOUNTING FRAME ASSEMBLY
6 DETAIL
NOT TO SCALE



LOWERED CONDITION
7 DETAIL
NOT TO SCALE

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

NOTES:

- THE CONTRACTOR SHALL ESTABLISH TOP OF FOUNDATION ELEVATION PER PLAN AND PROFILE DWGS. FOR EACH LIR TOWER PER LIGHT STATION, THE CONTRACTOR SHALL FIELD-VERIFY THE ACTUAL FOUNDATION TOP ELEVATION PRIOR TO CUTTING LIR TUBE 'B'. THE CONTRACTOR SHALL DETERMINE THE REQUIRED TUBE 'B' LENGTH 'L' AS FOLLOWS:
FOR MALSR STEADY-BURNING:
L = LAMP Q ELEVATION - FOUNDATION TOP ELEVATION (FIELD-VERIFIED) - TUBE 'A' LENGTH - 1.6 FT.
FOR RAIL FLASHER:
L = LAMP Q ELEVATION - FOUNDATION TOP ELEVATION (FIELD-VERIFIED) - TUBE 'A' LENGTH - 1.9 FT.
- CUT TUBE LENGTH FROM THE 20 FOOT TUBE 'A' STOCK AS REQUIRED, USING A TABLE SAW WITH A DIAMOND OR CARBIDE ABRASIVE BLADE. ALL SAW CUTS SHALL PERPENDICULAR TO THE TUBE AXIS. DEBURR CUT EDGES.
- USE EMERY CLOTH TO ROUGHEN THE SURFACES TO BE BONDED TO THE STAND PLATE PER DETAIL '4'. CLEAN THE ROUGHENED SURFACES WITH A SOLVENT (TRICHLOROETHYLENE, ACETONE, OR METHYL ETHYL KETONE).
- CONTRACTOR SHALL BOND EACH JOINT BY SPREADING A LIGHT COAT OF MIXED ADHESIVE ON BOTH SURFACES TO BE BONDED. SLOWLY SLIDE THE TUBE ONTO THE STAND PLATE, WHILE ROTATING IT TO EXCLUDE AIR. THE BONDING ADHESIVE MATERIALS, 2-PART EPOXY, FUSOR 304-1 RESIN AND 304-2 HARDENER, FUSOR 304-1 AND 304-2 ARE AVAILABLE FROM LORD CORP CHEMICAL PRODUCTS GROUP, ERIE PA. FOR BEST RESULTS, THE ADHESIVE SHOULD BE MIXED AND CURED IN AIR TEMPERATURES ABOVE 67°F. CURING IS COMPLETE AFTER 48 HOURS. FOLLOW MANUFACTURER'S INSTRUCTIONS.
- ASSEMBLE LIR STRUCTURES IN HORIZONTAL POSITION PER DETAIL '7'. INSERT HINGE PINS WHICH ARE ATTACHED TO BASE CHANNEL, INTO LEFT AND RIGHT ANCHOR PLATES. PLACE THE FRONT, THE LEFT, AND THE RIGHT ANCHOR PLATES OVER THE 3/4\"/>

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

MALSR
STRUCTURE ASSEMBLY DETAILS FOR
LIR TOWER, TYPES MG-30
RUNWAY 33

AURORA		AURORA MUNICIPAL AIRPORT		IL
REVIEWED BY	SUBMITTED BY	APPROVED BY		
DESIGNED	TAD	ISSUED BY	PLATFORM MGR.	CLELAND MICHEEL
DRAWN	TAD	CHICAGO NAS IMPLEMENTATION CENTER	DATE	02/18/2006
CHECKED	EGS	DRAWING NO		
				ARR-D-MALSR33-S02

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

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