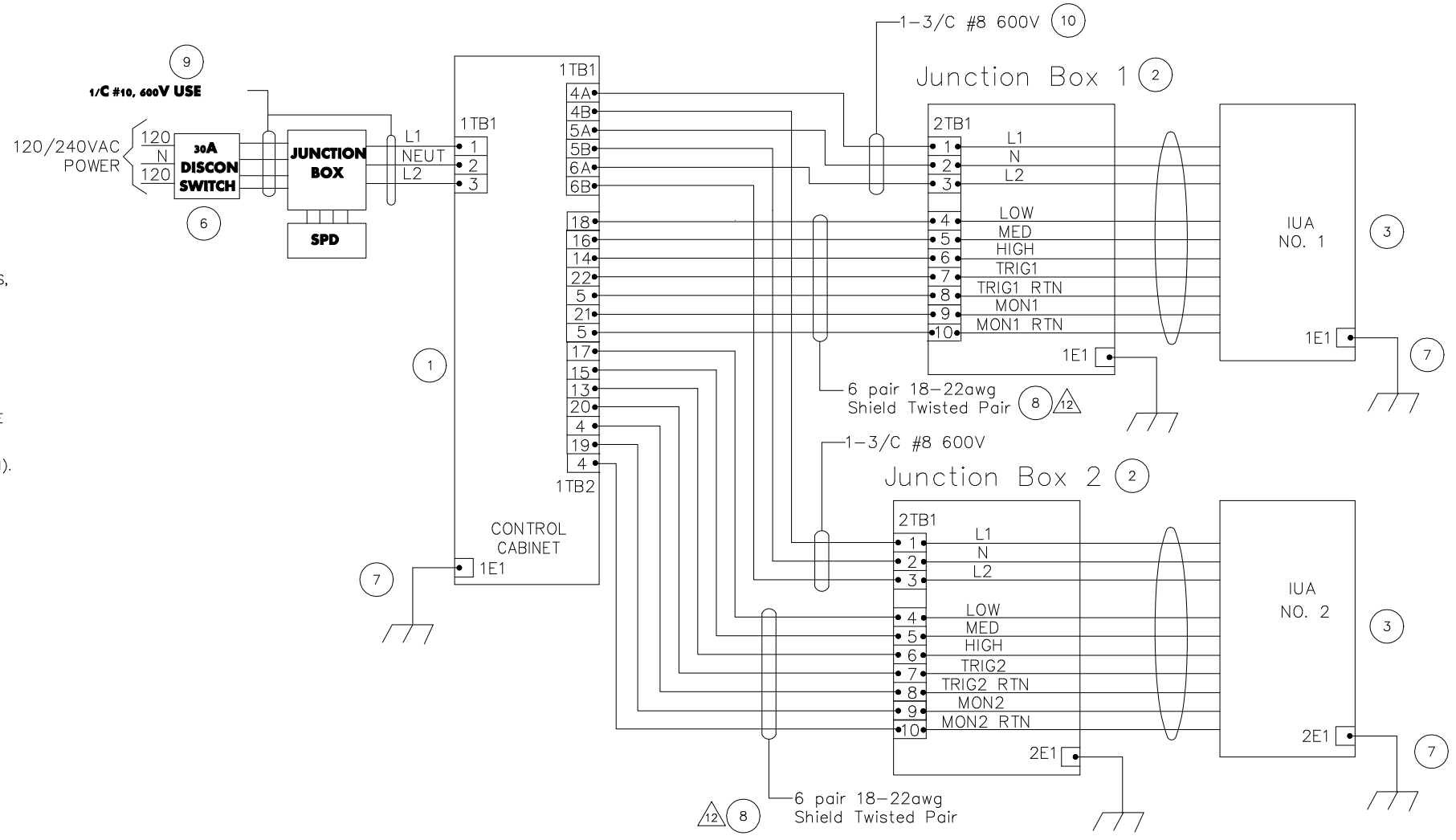


NOTICE IS HEREBY GIVEN THAT ALL DATA CONTAINED IN, REVEALED BY, OR SHOWN IN THIS DOCUMENT ARE PROPRIETARY AND BELONGS TO DME CORP. FT LAUDERDALE, FLORIDA. IT IS FURNISHED AND RECEIVED IN CONFIDENCE SOLELY FOR INFORMATIONAL PURPOSES OF THE RECIPIENT FOR THE PURPOSES HEREWITH TRANSMITTED. NONE OF THE INFORMATION CONTAINED HEREIN SHALL BE USED FOR ANY OTHER PURPOSES OR DUPLICATED IN WHOLE OR IN PART WITHOUT PRIOR AUTHORIZATION OF DME CORP.

REVISIONS			
REV	ECO	DATE	APPROVAL
-	ECO20807	7/8/14	S.BASTIANI

Notes:

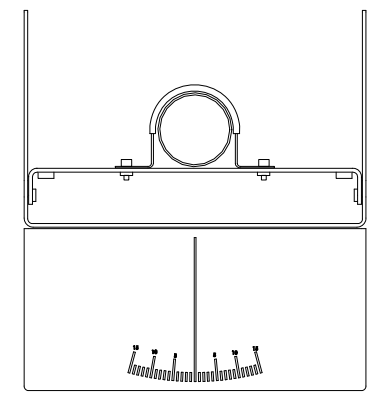
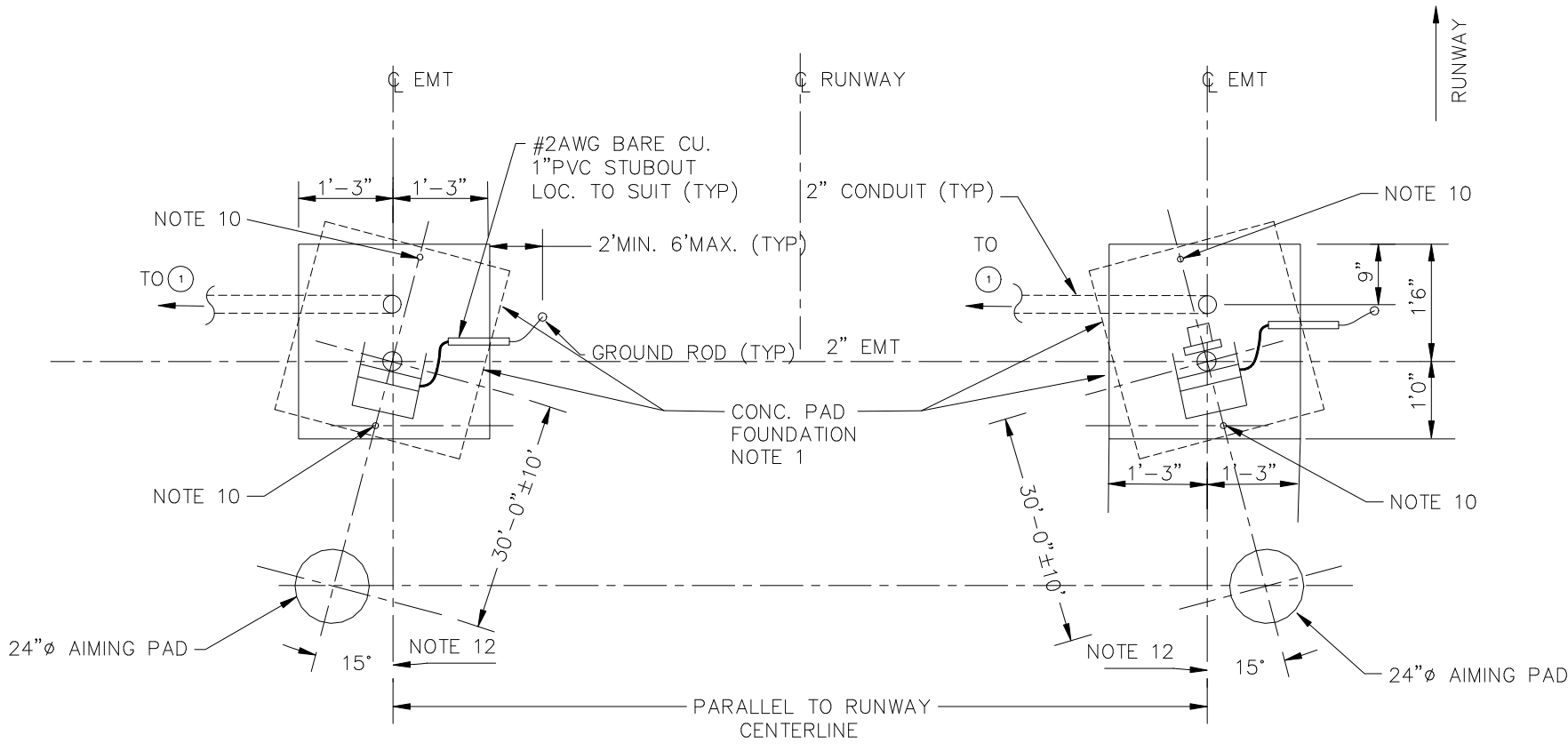
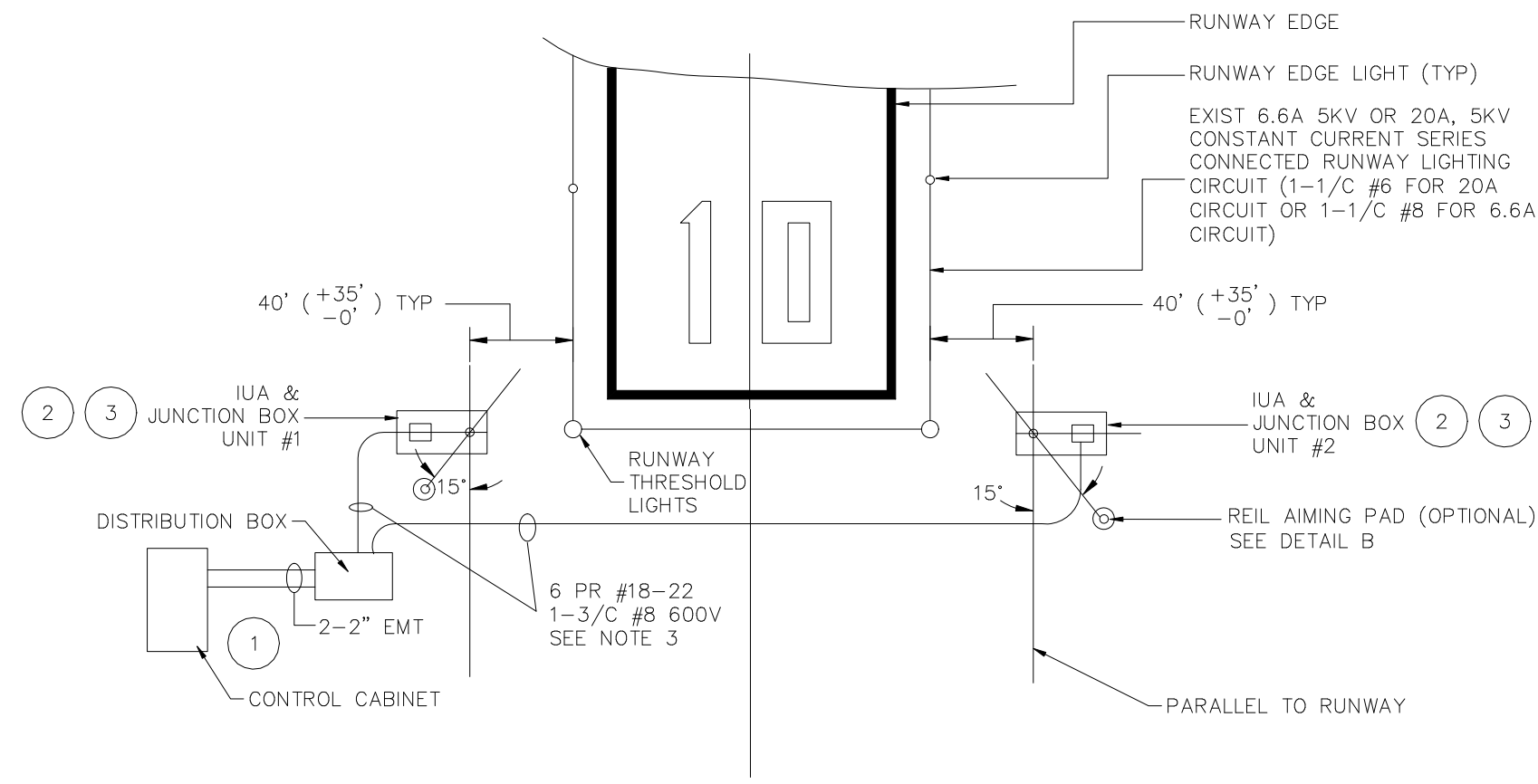
- GRAVEL/CONCRETE TO EXTEND 1" ABOVE ORIGINAL GRADE.
- ALL CONDUITS 3/4" UNLESS OTHERWISE SPECIFIED.
- CABLE SHALL BE INSTALLED IN ACCORDANCE WITH APPLICABLE CABLE INSTALLATION STANDARDS.
- UNLESS USING CONDUIT, NON ARMORED DEB CABLES ARE SHOWN. WHERE REQUIRED DUE TO GOPHERS, INSECTS OR OTHER ADVERSE SITE CONDITIONS, ARMORED CABLES SHALL BE SUBSTITUTED.
- INSTALL A GROUNDING BUSHING AT BOTH ENDS OF ALL CONDUITS IN ALL CABINETS.
- INSTALL A #6 BSDC WIRE FROM THE GROUND ROD TO A GROUND LUG IN/ON EACH CABINET.
- CONDUIT LOCATIONS SHALL BE DETERMINED IN THE FIELD. THE LOCATIONS SHALL ALLOW EASY ACCESS TO THE COMPONENTS IN THE CABINETS. WHEN POSSIBLE, CONDUITS SHOULD ENTER THROUGH THE BOTTOM OF THE CABINETS.
- ALL HOLES FOR CONDUITS AND ANTENNA SHALL BE DRILLED NOT PUNCHED. A WATERTIGHT SEALANT SHALL BE APPLIED AT CONDUIT-TO-CABINET FITTINGS.
- THE IUAS SHALL BE AIMED 15 DEGREES OUTWARD FROM THE RUNWAY CENTERLINE AND 10 DEGREES ABOVE THE HORIZONTAL. FOR AIMING PURPOSES, CONSTRUCT A 24 INCH DIAMETER CONCRETE PAD 30 FEET ±10 FEET FROM THE IUA. EMBED A TWO INCH SCH 40 PVC CONDUIT AS SHOWN. PROVIDE 3' SEGMENT OF 1 1/2" PVC FOR ABOVE GROUND IDENTIFICATION.
- P.K. (PARKER-KALON) NAILS SHALL BE INSTALLED ONTO THE CONCRETE FOUNDATION FOR THE REIL AT THE POINTS WHERE THE 15 DEGREE HORIZONTAL AIMING ANGLE INTERSECTS THE FOUNDATION AND IUA MOUNTING POLE.
- FOUNDATIONS FOR LIGHT UNITS SHALL BE FULL DEPTH FORMED, REINFORCED CONCRETE. TOP OF CONCRETE FOUNDATION SHALL BE 1"(INCH) MAXIMUM ABOVE FINISHED GRADE. BOTTOM OF CONCRETE FOUNDATION SHALL BE 3 FT. MINIMUM BELOW FINISHED GRADE OR 12" MINIMUM BELOW FROST LINE, WHICHEVER IS GREATER. CONCRETE SHALL BE 3000PSI (MIN 28 DAYS COMPRESSIVE STRENGTH). REINFORCING STEEL SHALL BE ASTM A615 GRADE 60.
- △ SIGNAL CABLING TO BE ASSIGNED SUCH THAT EACH SIGNAL WIRE IS PAIRED WITH A NEUTRAL CONDUCTOR; PAIR TRIGGER AND MONITOR WIRES WITH THEIR RESPECTIVE RTN/GND.
- SURGE PROTECTION DEVICE (SPD) SHALL CONFORM TO THE REQUIREMENTS OF FAA -STD-019 (LATEST EDITION).**
- FOR FURTHER DETAILS, SEE FAA DWG. D-5888.



REIL SYSTEM SCHEMATIC WIRING DIAGRAM

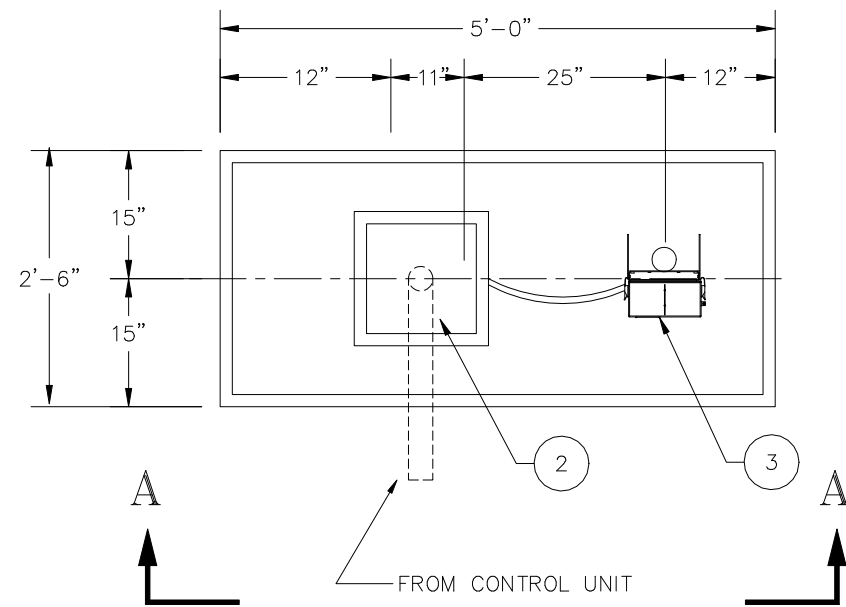
QTY	DESCRIPTION	ITEM NO.
A/R	CABLE, 3/C #8 600V	10
A/R	WIRE, 1/C #10 600 TYPE USE	9
A/R	CABLE, 6 PAIR TWISTED 2/C #18-22 SHIELDED	8
A/R	#6 BARE SOFT DRAWN COPPER WIRE	7
1	30A DISCONNECT SWITCH	6
4	2" FRANGIBLE COUPLING	5
2	L867 LIGHT BASE CAN (OPTIONAL) *	4
2	IDENTIFIER ASSEMBLY UNIT (IUA)	3
2	JUNCTION BOX	2
1	CONTROL CABINET 1	1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		TOLERANCES ON 2 PLACE DECIMAL 3 PLACE DECIMAL ±.03 ±.010	
FRACTIONS ±1/8		ANGLES ±1°	
AC REIL USED ON	NEXT ASSY	INITIAL APPLICATION	
		6830 NW 16TH TERRACE FT LAUDERDALE, FL 33309	
TITLE: INSTALLATION, REIL			
CAGE CODE	DWG NO.	REV.	
D 55827	N1-01-0003	-	
SCALE	WT	N/A	SHEET 1 OF 4

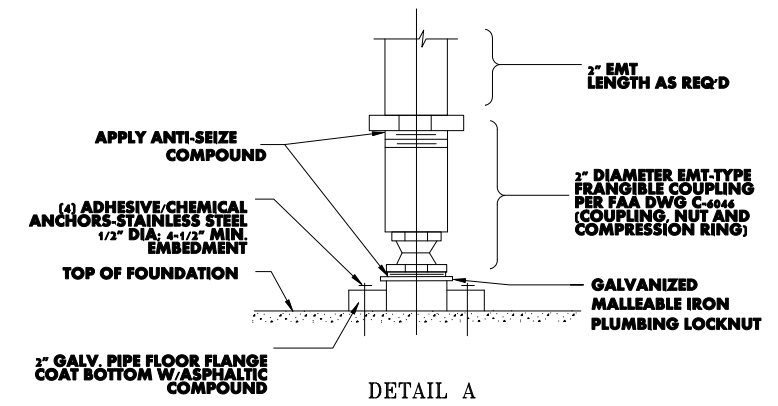


IUA AIMING SCALE DETAIL

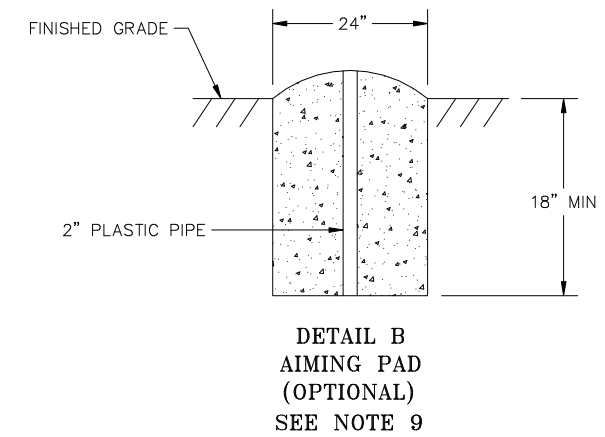
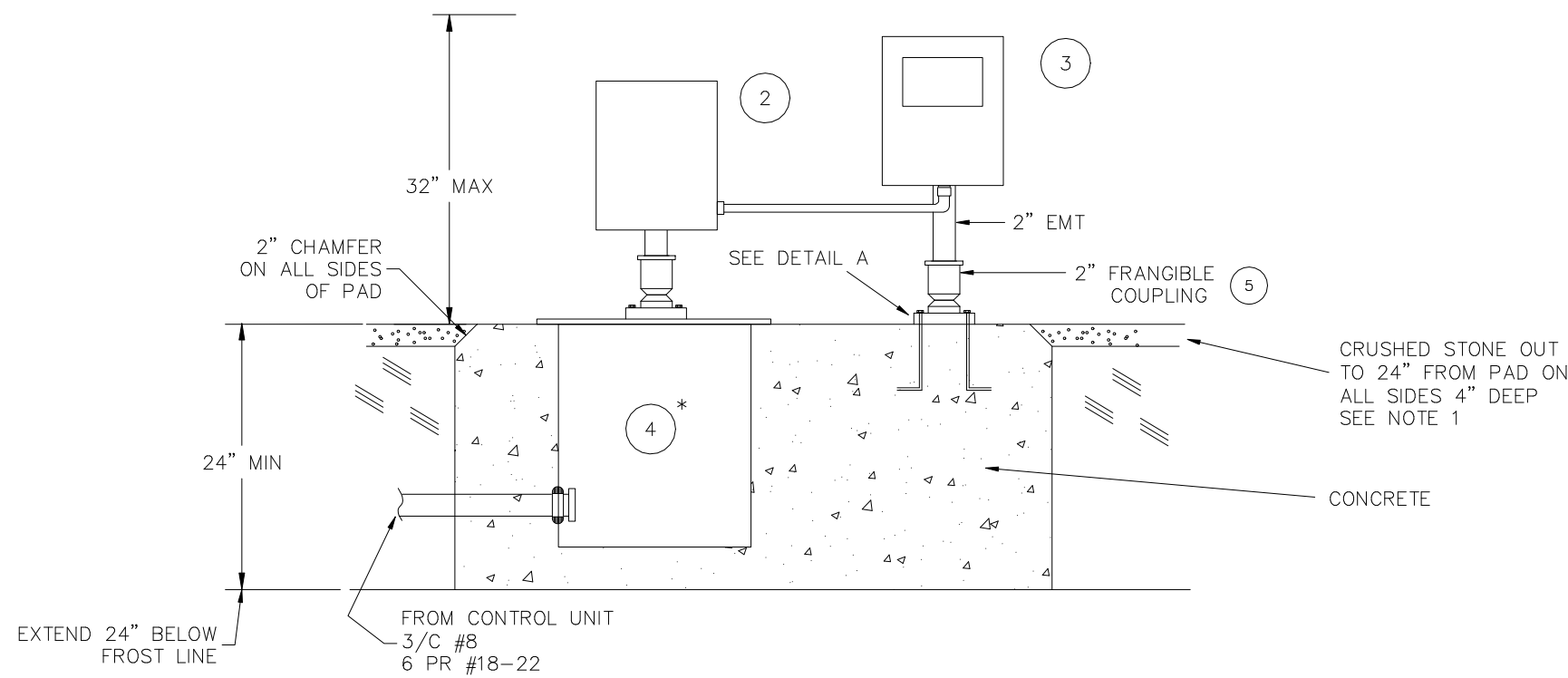
ASTRONICS DME CORPORATION		6830 NW 16TH TERRACE FT LAUDERDALE, FL 33309	
TITLE INSTALLATION, REIL			
D	CAGE CODE 55827	DWG NO. N1-01-0003	REV. -
SCALE NONE	WT N/A	SHEET 2	



PAD PLAN FOR JUNCTION BOX & IUA IDENTIFIER UNIT ASSEMBLY



DETAIL A

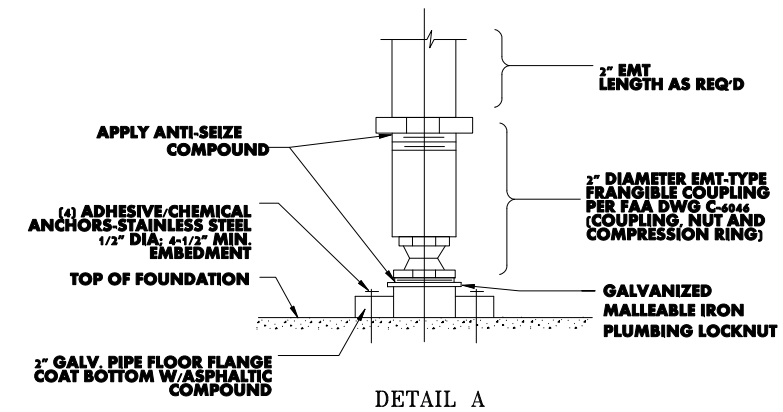


DETAIL B
AIMING PAD
(OPTIONAL)
SEE NOTE 9

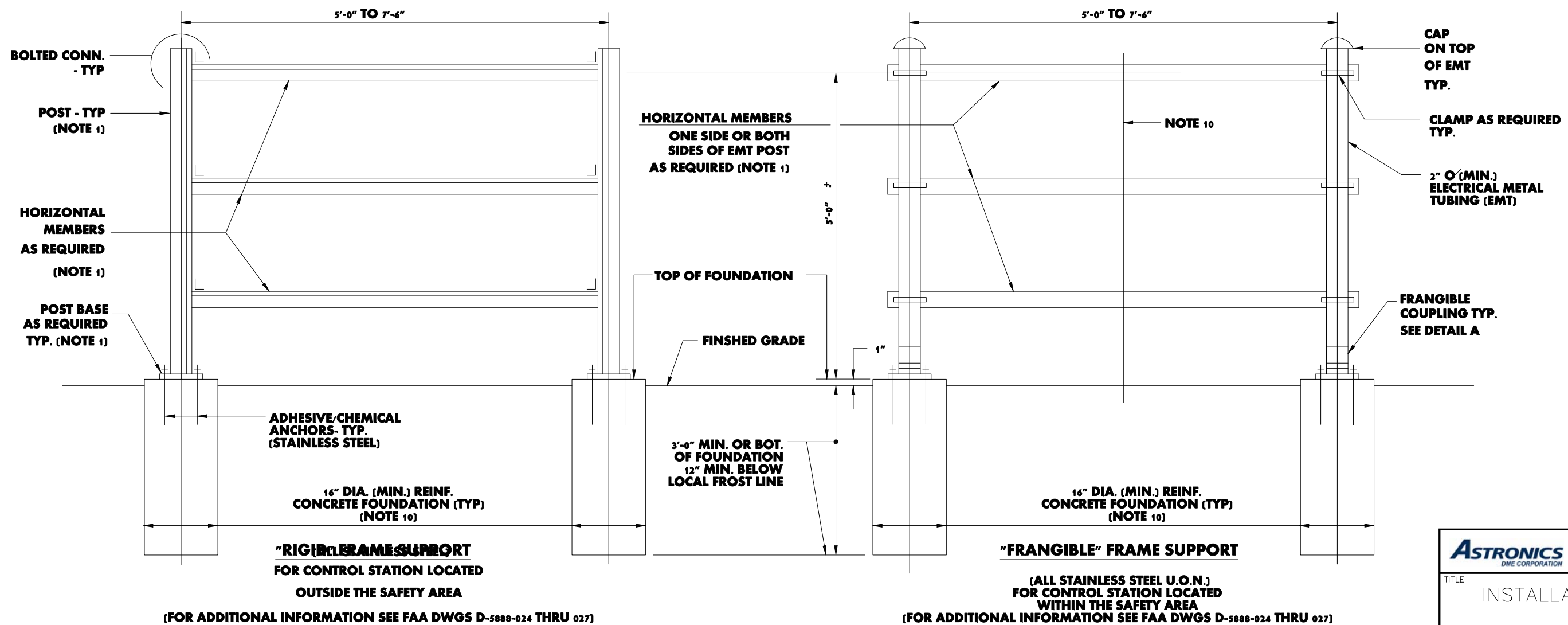
ASTRONICS DME CORPORATION		6830 NW 16TH TERRACE FT LAUDERDALE, FL 33309	
TITLE INSTALLATION, REIL			
CAGE CODE D 55827	DWG NO. N1-01-0003	REV. -	
SCALE NONE	WT N/A	SHEET 3	

NOTES

1. CONTROL STATION FRAME SUPPORT: THE LAYOUT, GEOMETRY, MEMBER SIZES, ANCHORAGE TO FOUNDATION, ETC. SHALL BE SITE SPECIFIC AS REQUIRED BY THE LOCAL CONDITIONS. ALL CONNECTIONS SHALL BE MADE WITH S.S. HARDWARE. EQUIPMENT SHALL BE FASTENED TO FRAME WITH S.S. BOLTS, WASHERS AND LOCKNUTS.
2. APPLY COLD GALVANIZING COMPOUND SPRAY TO ALL FIELD CUT ENDS OF GALVANIZED MEMBERS.
3. VARY SPACING OF GROUND RODS BY 10% TO 20% TO PREVENT RESONANCE.
4. WHERE CABLES RUN PARALLEL TO RUNWAYS OR TAXIWAYS, CABLES SHALL BE LOCATED 10' MINIMUM FROM THE EDGE LIGHTS ON THE OUTSIDE OF THE LIGHTS.
5. SEE FAA-C-1391 (LATEST EDITION) FOR ADDITIONAL INSTALLATION REQUIREMENTS.
6. WHERE A CONFLICT EXIST BETWEEN THIS DRAWING AND LOCAL INSTALLATION CODES AND REQUIREMENTS, THE MORE STRINGENT REQUIREMENT SHALL BE FOLLOWED.
7. AS PER FAA-C-STD-19E BURIED CABLES LESS THAN OR EQUAL TO 300' IN LENGTH SHALL HAVE FERROUS SHIELDING IN THE FORM OF EITHER FERROUS CONDUIT (RGSC); FERROUS ARMOR OR FERROUS SHEET. FOR RUNS GREATER THAN 300' FERROUS SHIELDING IS RECOMMENDED.
8. WHEN CONDUIT IS NOT USED CABLES SHALL BE IDENTIFIED FOR DIRECT EARTH BURIAL.
9. REINFORCED CONCRETE FOUNDATION. TOP OF CONCRETE FOUNDATION SHALL BE 1" MAX. ABOVE FINISHED GRADE. BOTTOM OF CONCRETE FOUNDATION SHALL BE 3 FT. MINIMUM BELOW FINISHED GRADE OR 12" MIN. BELOW LOCAL FROST LINE, WHICHEVER IS GREATER. CONCRETE SHALL BE 3000 PSI (MIN. 28 DAYS COMPRESSIVE STRENGTH). REINFORCING STEEL SHALL BE ASTM A615, GRADE 60. FULL DEPTH FOUNDATION FORM: SONOTUBE OR EQUAL.
10. INTERMEDIATE POST AND FOUNDATION, AS/IF REQUIRED, SHALL BE PROVIDED. SIMILAR TO END POSTS.
11. GROUND THE FRAME BY ATTACHING 32 STRANDS OF #17 GAUGE BARE COPPER WIRE TO THE FRAME WITH A GROUNDING CLAMP AND ATTACHING THE OTHER END TO A GROUND ROD.



FRAME SUPPORT FOR CONTROL CABINET AND ANCILLARY EQUIPMENT



ASTRONICS EME CORPORATION		6830 NW 16TH TERRACE FT LAUDERDALE, FL 33309	
TITLE INSTALLATION, REIL			
D	CAGE CODE 55827	DWG NO. N1-01-0003	REV. -
SCALE NONE	WT N/A	SHEET 4	