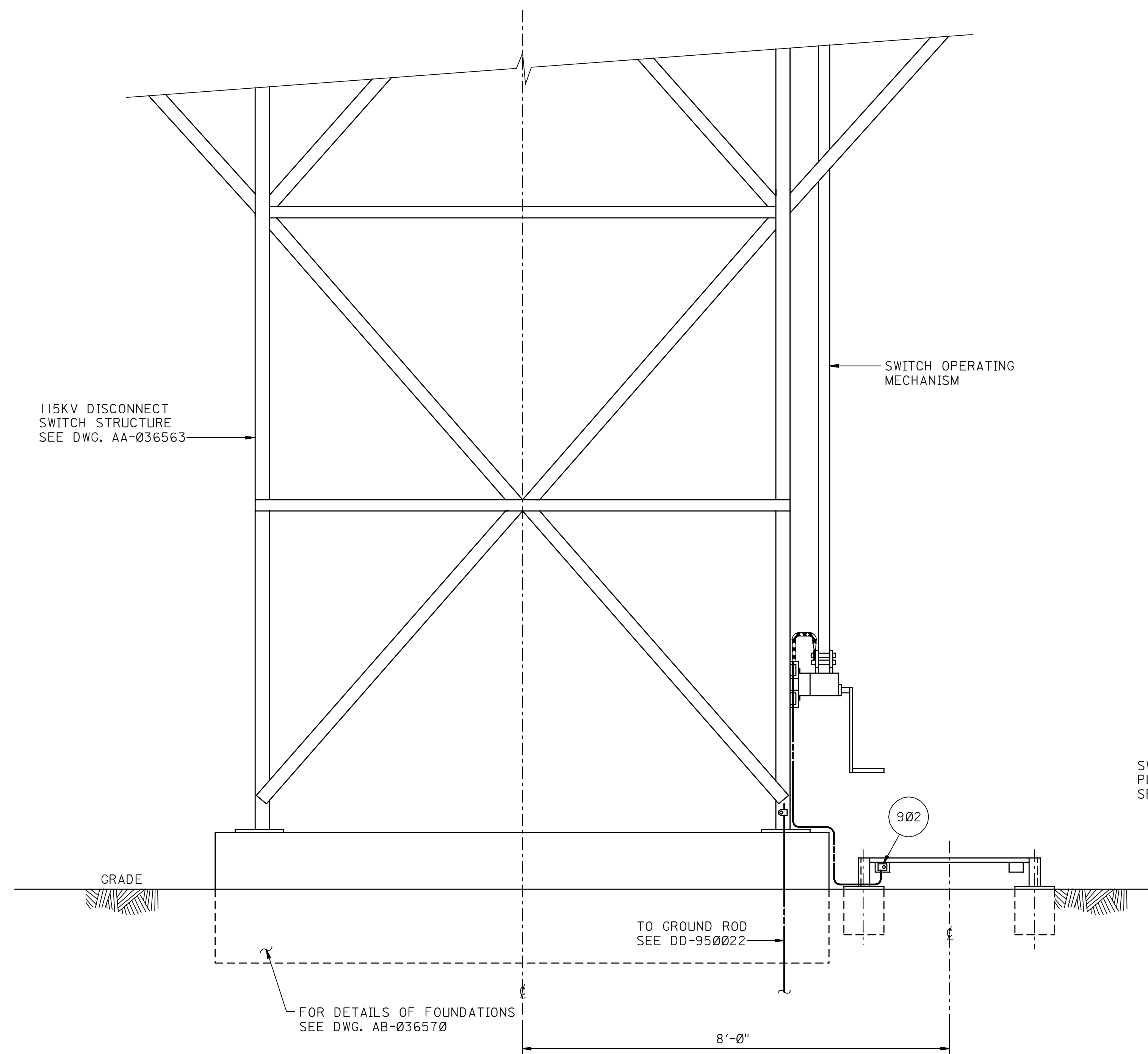
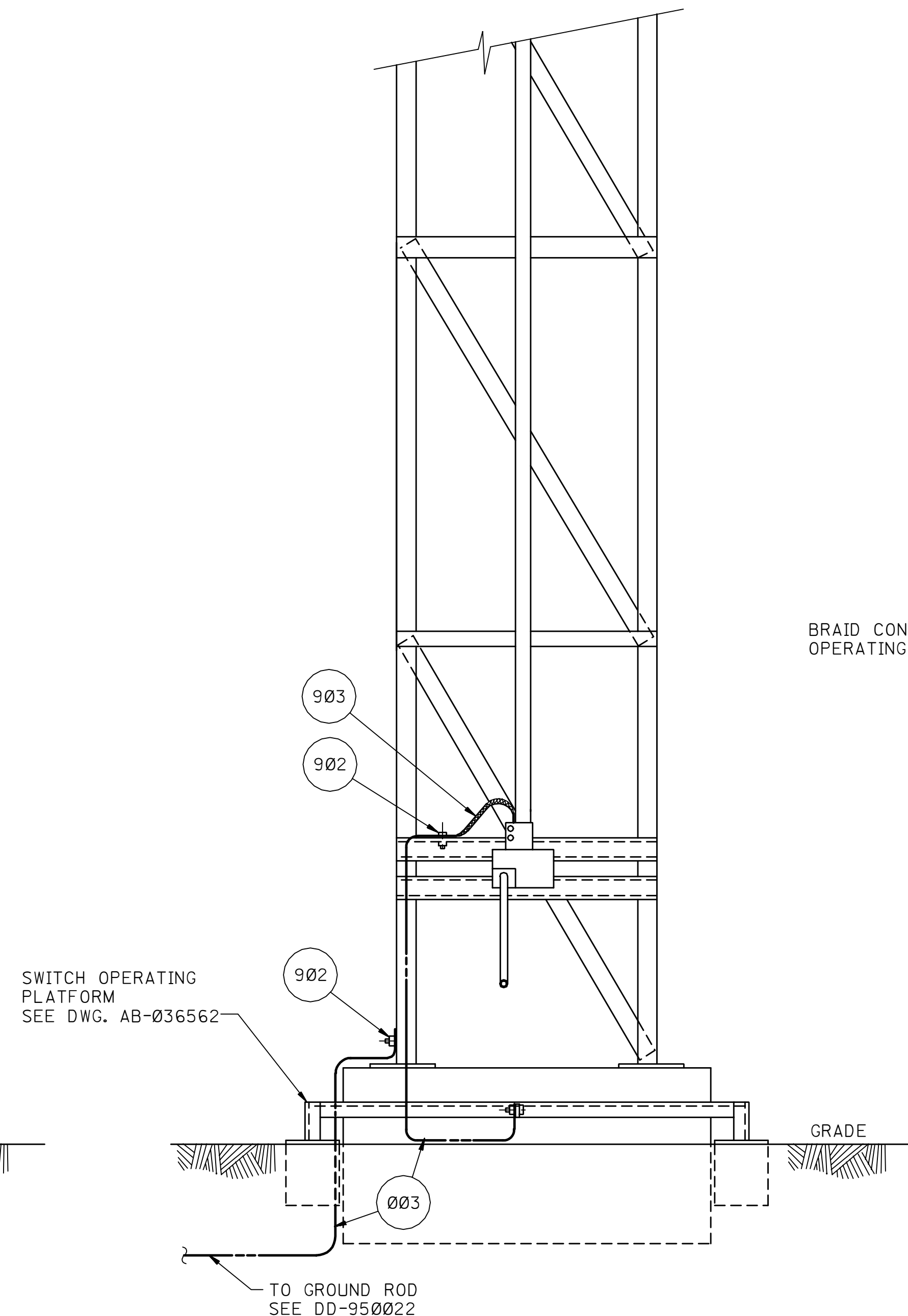


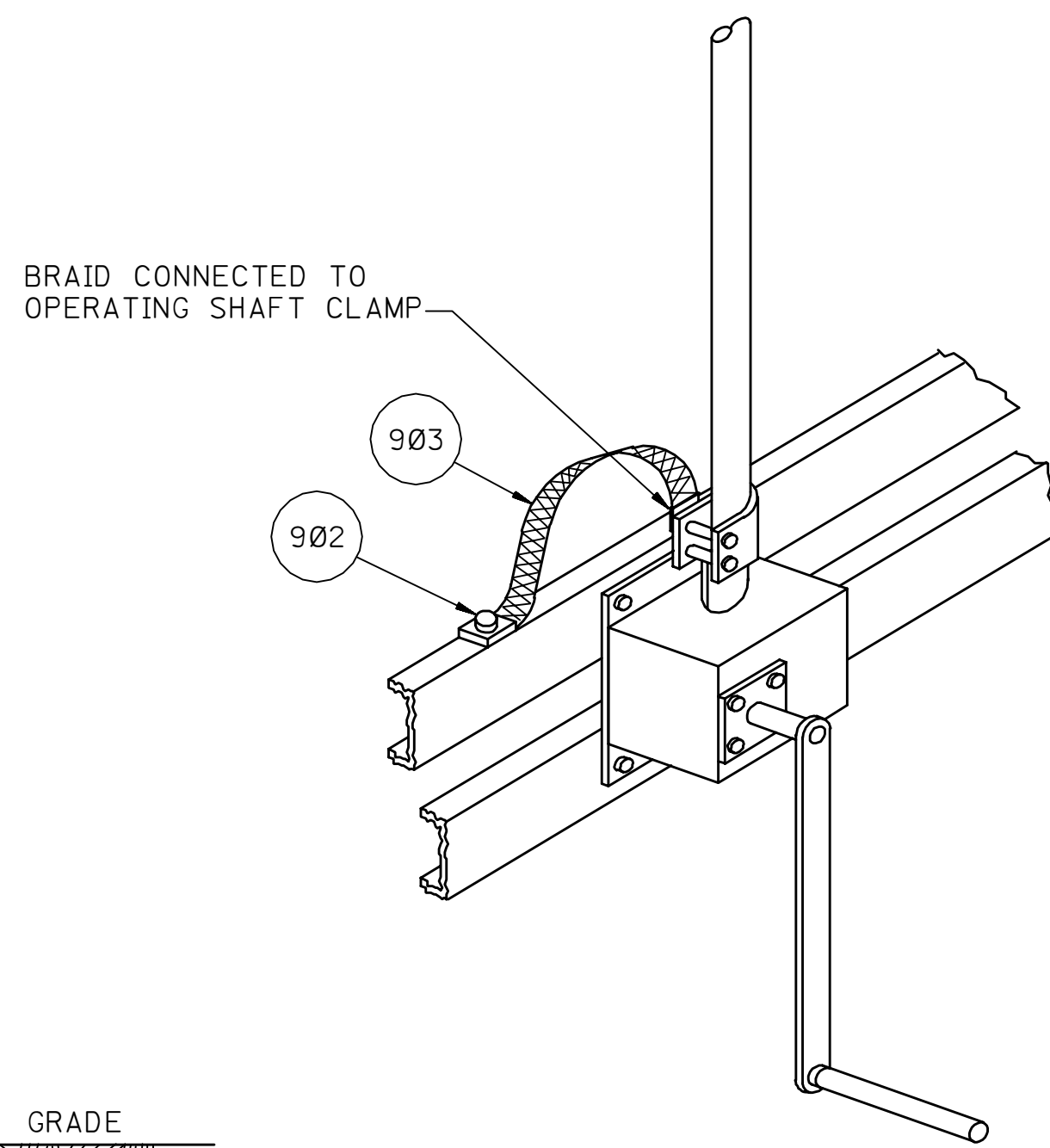
990	P	AA-036572	001	05
PLANT NO.	INDEX	DRAWING NUMBER	SHT. NO.	REV. NO.



FRONT ELEVATION



TOWER STRUCTURE



ENLARGED VIEW OF
SWITCH OPERATING
MECHANISM
(SEE NOTE 6)

LIST OF MATERIALS		
CODE NO.	AMS NO.	DESCRIPTION
001	20-476-822	POWDER, WELDING SIZE 150
002	20-476-824	POWDER, WELDING SIZE 200
003	15-008-574	CABLE, ELECTRICAL BARE COPPER 4/0 AWG
004	14-198-144	CONNECTOR, ELECTRICAL, TERMINAL
005	14-246-542	ROD, GROUNDING, 15.9 mm (5/8 ") DIA.
006	20-476-826	POWDER, WELDING SIZE 250
902		CONNECTOR, GROUND: BURNDY GB29
903		BRAID, FLEX COPPER: BURNDY BE12 BUT DRILLED 5/16 " DIA. HOLES
904		ERICO/CADWELD MOLD TYPE XBM-2Q1Y
906	20-477-060	CLAMP, HANDLE FOR MOLD TYPE-160
907	20-494-582	MOLD, THERMAL WELD 4/0 CABLE CROSS
908	20-494-130	MOLD, THERMAL WELD 4/0 CABLE TO 5/8 " GROUND ROD

NOTES:

1. ALL GROUND CABLE SHALL BE BARE, STRANDED, SOFT DRAWN COPPER.
2. ALL STEEL STRUCTURES SHALL BE THOROUGHLY CLEANED BEFORE CONNECTIONS ARE MADE TO ENSURE PROPER CONTACT.
3. ALL HOLES REQUIRED IN STRUCTURAL MEMBERS, FOR SECURING TERMINAL LUGS, SHALL BE DRILLED 9/16" DIAMETER.
4. UNDERGROUND CABLE CONNECTIONS SHALL BE BRAZED OR THERMITE WELDED.
5. FOR DETAILS OF GROUNDING CONNECTIONS SEE DRAWING DD-950022.

REFERENCE DRAWINGS	
SWITCH OPERATING PLATFORM	AB-036562
FOUNDATIONS FOR DISC SWITCH STRUCTURE	AB-036570
GROUND CONNECTION DETAILS	DD-950022

05	JAN 2001	MHJ		REVISED POLE STRUCTURE					
04	JUNE90	RCR		DRAWING DIGITIZED INTO CADD DATABASE WITHOUT CHANGES.					
REV. NO.	DATE	BY	JO/EWO	DESCRIPTION	CHKD.	CERT.	APFD.		

SAUDI ARABIAN OIL COMPANY

DRAWN BY PJJ CHECKED BY _____ SCALE: _____
DATE STARTED 01-18-74 DATE COMPLETED 01-15-74
OPR'G. DEPT. _____ ENG. DEPT. ORIGINAL SIGNED
APP'D. FOR CONST. _____

GROUNDING ARRANGEMENT DISCONNECT SWITCH STRUCTURE

STD. DWG.				
PLANT NO.	INDEX	DRAWING NUMBER	SHT. NO.	REV. NO.
990	P	AA-036572	001	05