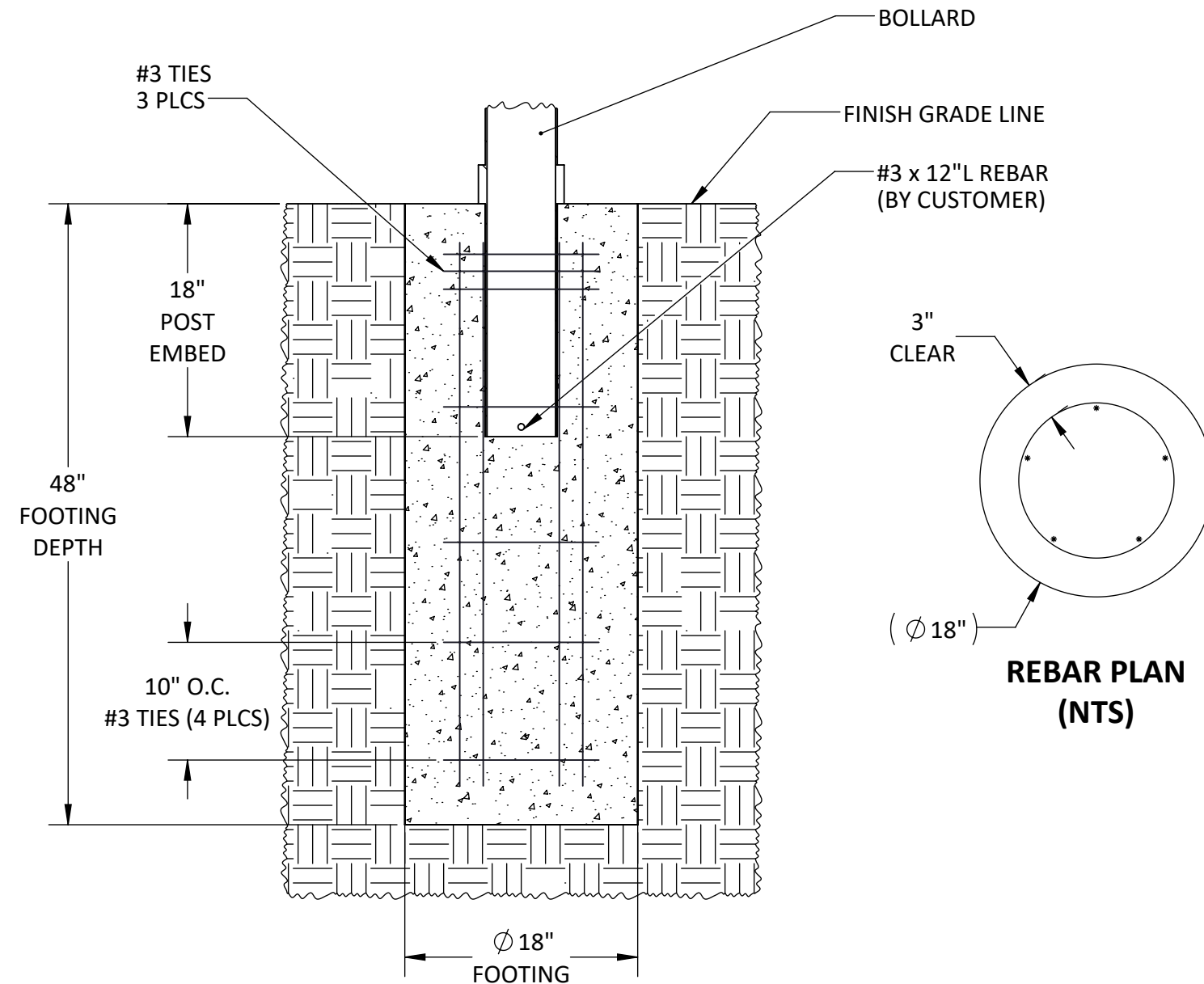


EMBED SINGLE FOOTING



Design and Installation Notes

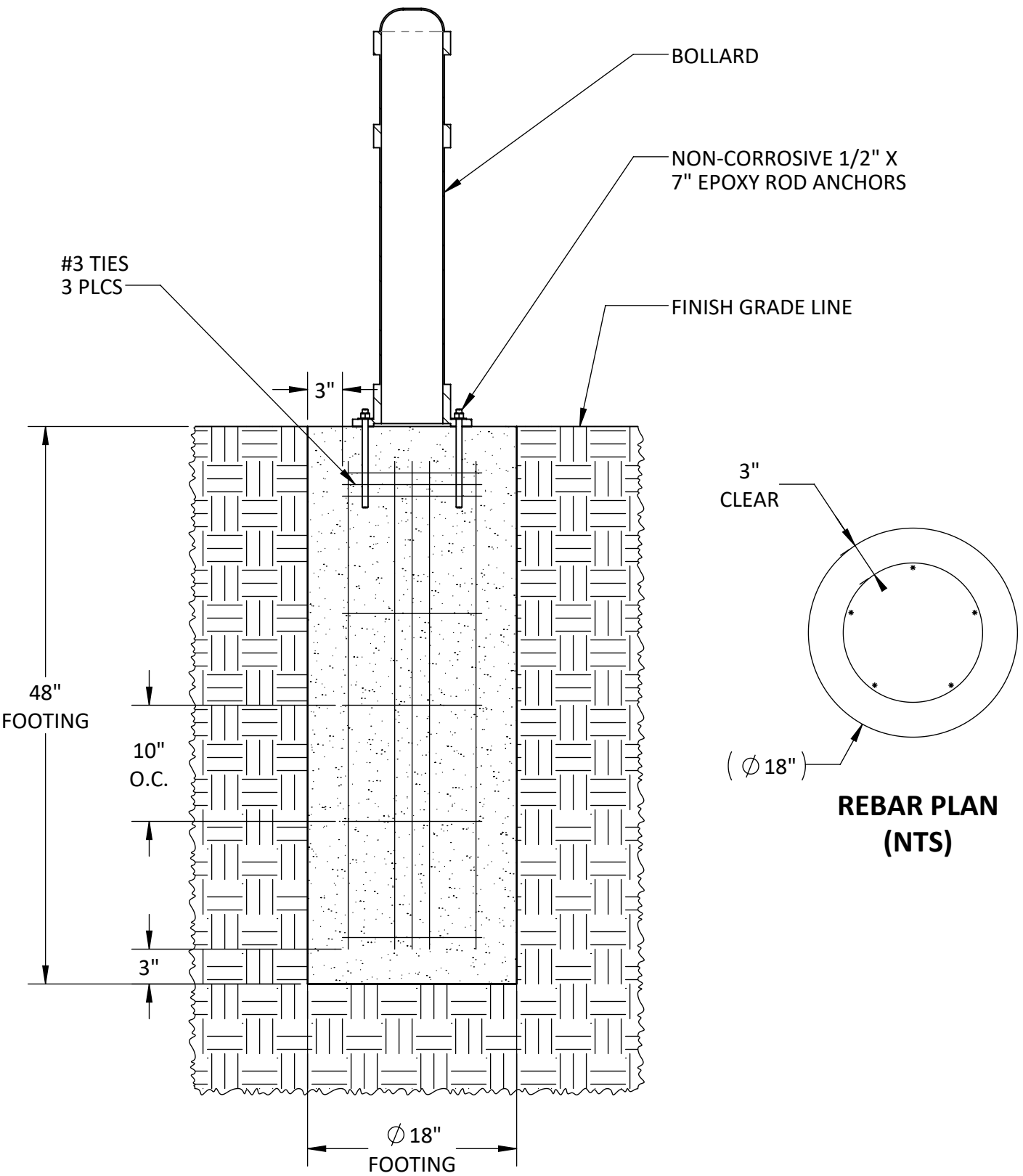
1. General non-binding recommendations. Site specific conditions may require structural review by client engineer.
2. Single footing shown, other approaches (e.g., poured footing beams) are possible.
3. Allowable Foundation Pressure = 2,000 psf. Allowable Lateral Bearing = 150/psf. Assumed in-place soil, Sand, Silty Sand, Clayey Sand, Silty Gravel, or Clayey Gravel. For higher soil allowable design values, site soil investigation by a Registered Geotechnical Engineer is required.
4. Material Specifications: Concrete = 3,000 psi (28-day min); Reinforcing ASTM A615 (60 ksi for all bars #5 and larger 40 ksi for all bars #4 and smaller).
5. Use (Qty=5) #5 vertical rebar equally spaced radially within #3 ties at 10\" O.C. and (Qty=3) ties at top of footing 3\" clear all rebar to edge of concrete.
6. Tournesol Steel pipe bollard per specification.
7. Finished grade or pavement.
8. One piece #3 rebar through cross drilled hole at base of bollard.
9. All rebar, ties, and concrete by customer.

 Tournesol SITEWORKS		TITLE: TOURNESOL BOLLARD STANDARD INSTALLATION GUIDELINES	
32990 ALVARADO-NILES RD #990, UNION CITY, CA 94587			
SIZE: B	WEIGHT: LBS. (APPROX) 20447.080	DWG NO: BOLLARD TYPICAL INSTALL	REV A
DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED		APPROVED BY: GKOOISTRA APPROVAL DATE: 8/25/2026	DRAWN BY: RMCCUNE DATE: 8/25/2026
		SHEET 1 OF 3	

4 3 2 1

C

**SURFACE MOUNT
SINGLE FOOTING**



ELEVATION (NTS)

General Design and Installation Notes

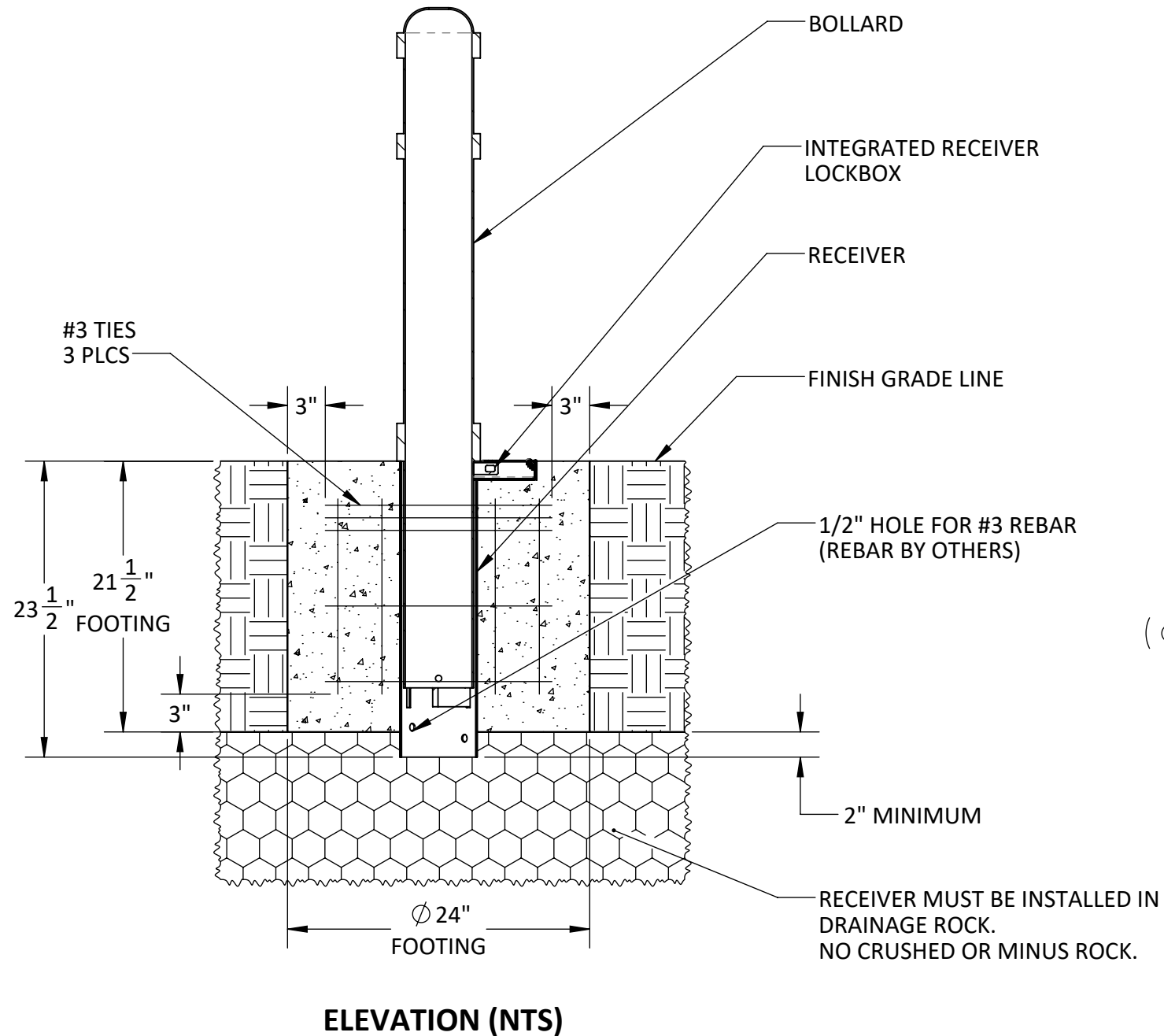
1. General non-binding recommendations. Site specific conditions may require structural review by client engineer.
2. Single footing shown, other approaches (e.g., poured footing beams) are possible.
3. Allowable Foundation Pressure = 2,000 psf. Allowable Lateral Bearing = 150/psf. Assumed in-place soil, Sand, Silty Sand, Clayey Sand, Silty Gravel, or Clayey Gravel. For higher soil allowable design values, site soil investigation by a Registered Geotechnical Engineer is required.
4. Material Specifications: Concrete = 3,000 psi (28-day min); Reinforcing ASTM A615 (60 ksi for all bars #5 and larger 40 ksi for all bars #4 and smaller).
5. Use (Qty=5) #5 vertical rebar equally spaced radially within #3 ties at 10" O.C. and (Qty=3) ties at top of footing 3" clear all rebar to edge of concrete.
6. Tournesol Steel pipe bollard per specification.
7. Finished grade or pavement.
8. All rebar, ties, and concrete by customer.



TITLE: TOURNESOL BOLLARD
STANDARD INSTALLATION GUIDELINES

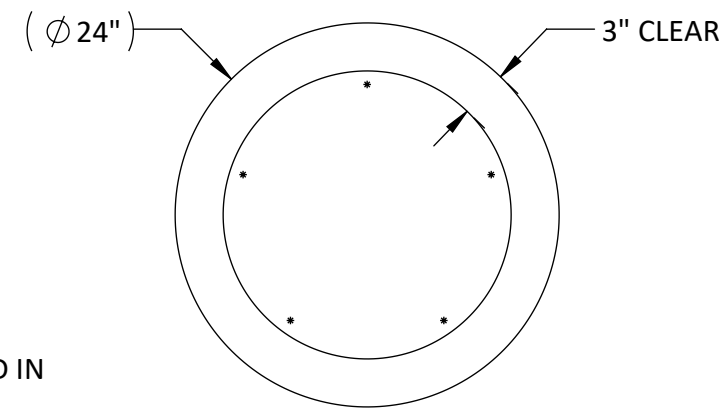
SIZE: B	WEIGHT: LBS. (APPROX) 20447.080	DWG NO: BOLLARD TYPICAL INSTALL	REV A
DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED		APPROVED BY: GKOOISTRA APPROVAL DATE: 8/25/2026	DRAWN BY: RMCCUNE DATE: 8/25/2026
SHEET 2 OF 3			

REMOVABLE SINGLE FOOTING



General Design and Installation Notes

1. General non-binding recommendations. Site specific conditions may require structural review by client engineer.
2. Single footing shown, other approaches (e.g., poured footing beams) are possible.
3. Allowable Foundation Pressure = 2,000 psf. Allowable Lateral Bearing = 150/psf. Assumed in-place soil, Sand, Silty Sand, Clayey Sand, Silty Gravel, or Clayey Gravel. For higher soil allowable design values, site soil investigation by a Registered Geotechnical Engineer is required.
4. Material Specifications: Concrete = 3,000 psi (28-day min); Reinforcing ASTM A615 (60 ksi for all bars #5 and larger 40 ksi for all bars #4 and smaller).
5. Use (Qty=5) #5 vertical rebar equally spaced radially within #3 ties at 6" O.C. and (Qty=3) ties at top of footing 3" clear all rebar to edge of concrete.
6. Tournesol Steel pipe bollard per specification.
7. Finished grade or pavement.
8. One piece #3 rebar through cross drilled hole at base of receiver.
9. All rebar, ties, and concrete by customer.



REBAR PLAN
(NTS)

		TITLE: TOURNESOL BOLLARD STANDARD INSTALLATION GUIDELINES	
SIZE: B	WEIGHT: LBS. (APPROX) 20447.080	DWG NO: BOLLARD TYPICAL INSTALL	REV A
DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED		APPROVED BY: GKOOISTRA APPROVAL DATE: 8/25/2026	DRAWN BY: RMCCUNE DATE: 8/25/2026
		SHEET 3 OF 3	