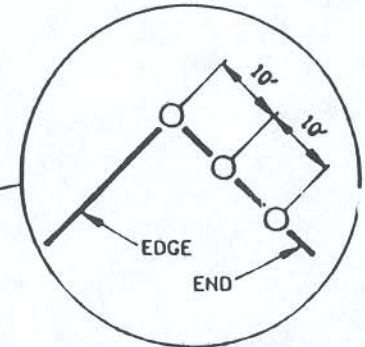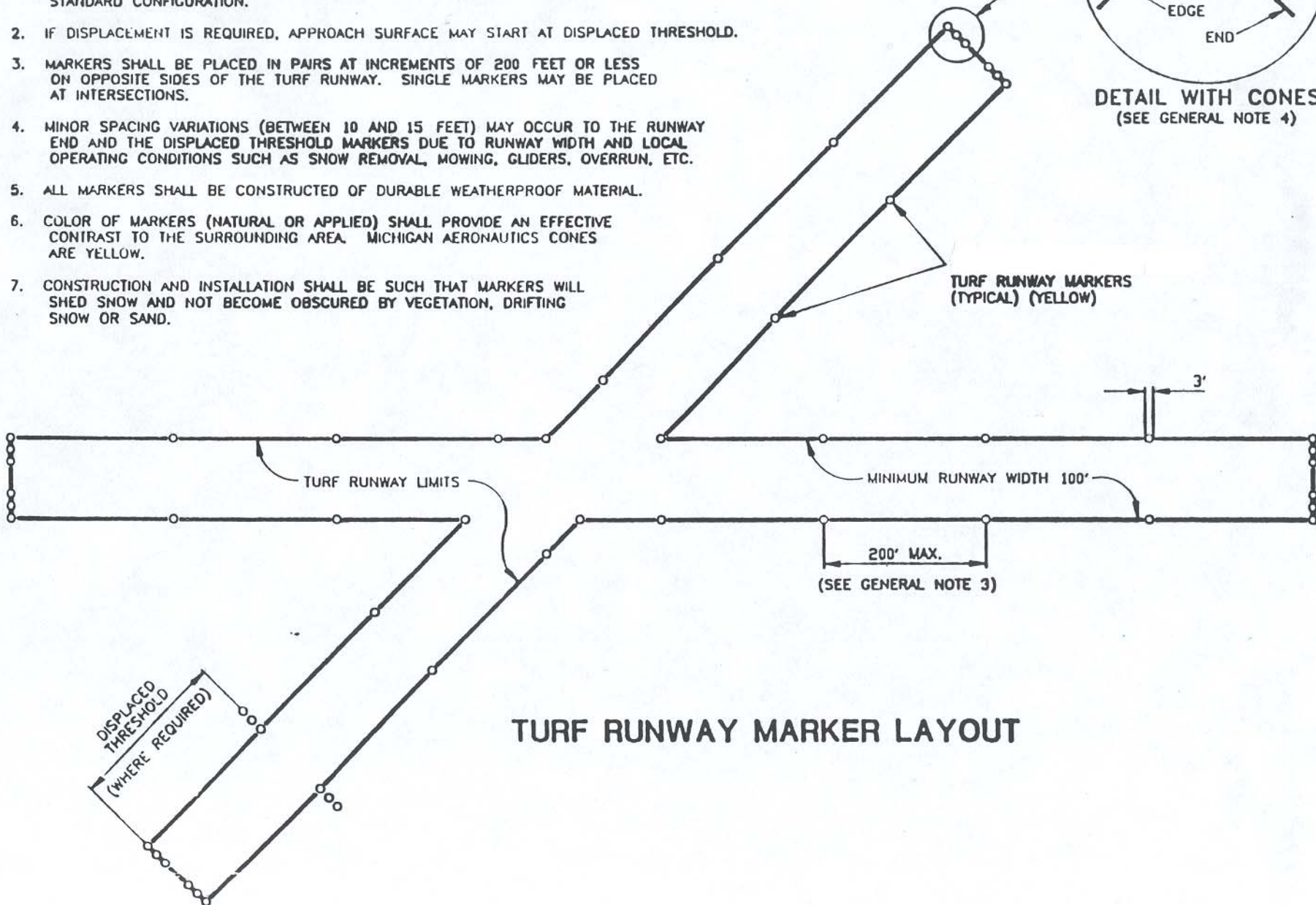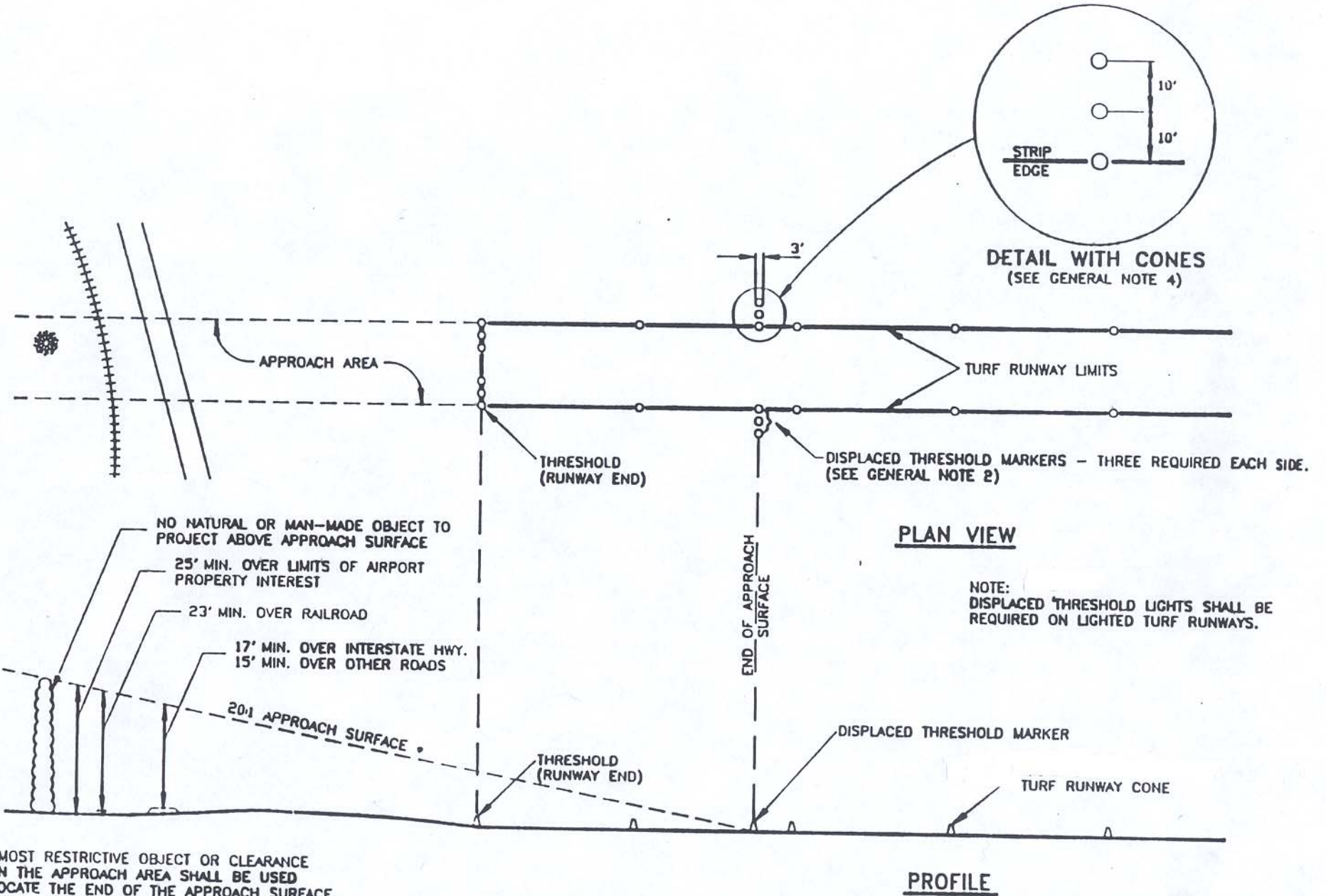## GENERAL NOTES

1. THE TURF RUNWAY CONE MARKERS ARE CONFIGURED SIMILAR TO THE STANDARD RUNWAY LIGHTING PLAN. CONES MAY BE ADAPTED TO LIGHTS IN THE STANDARD CONFIGURATION.

2. IF DISPLACEMENT IS REQUIRED, APPROACH SURFACE MAY START AT DISPLACED THRESHOLD.

3. MARKERS SHALL BE PLACED IN PAIRS AT INCREMENTS OF 200 FEET OR LESS ON OPPOSITE SIDES OF THE TURF RUNWAY. SINGLE MARKERS MAY BE PLACED AT INTERSECTIONS.

4. MINOR SPACING VARIATIONS (BETWEEN 10 AND 15 FEET) MAY OCCUR TO THE RUNWAY END AND THE DISPLACED THRESHOLD MARKERS DUE TO RUNWAY WIDTH AND LOCAL OPERATING CONDITIONS SUCH AS SNOW REMOVAL, MOWING, GLIDERS, OVERRUN, ETC.

5. ALL MARKERS SHALL BE CONSTRUCTED OF DURABLE WEATHERPROOF MATERIAL.

6. COLOR OF MARKERS (NATURAL OR APPLIED) SHALL PROVIDE AN EFFECTIVE CONTRAST TO THE SURROUNDING AREA. MICHIGAN AERONAUTICS CONES ARE YELLOW.

7. CONSTRUCTION AND INSTALLATION SHALL BE SUCH THAT MARKERS WILL SHED SNOW AND NOT BECOME OBSCURED BY VEGETATION, DRIFTING SNOW OR SAND.

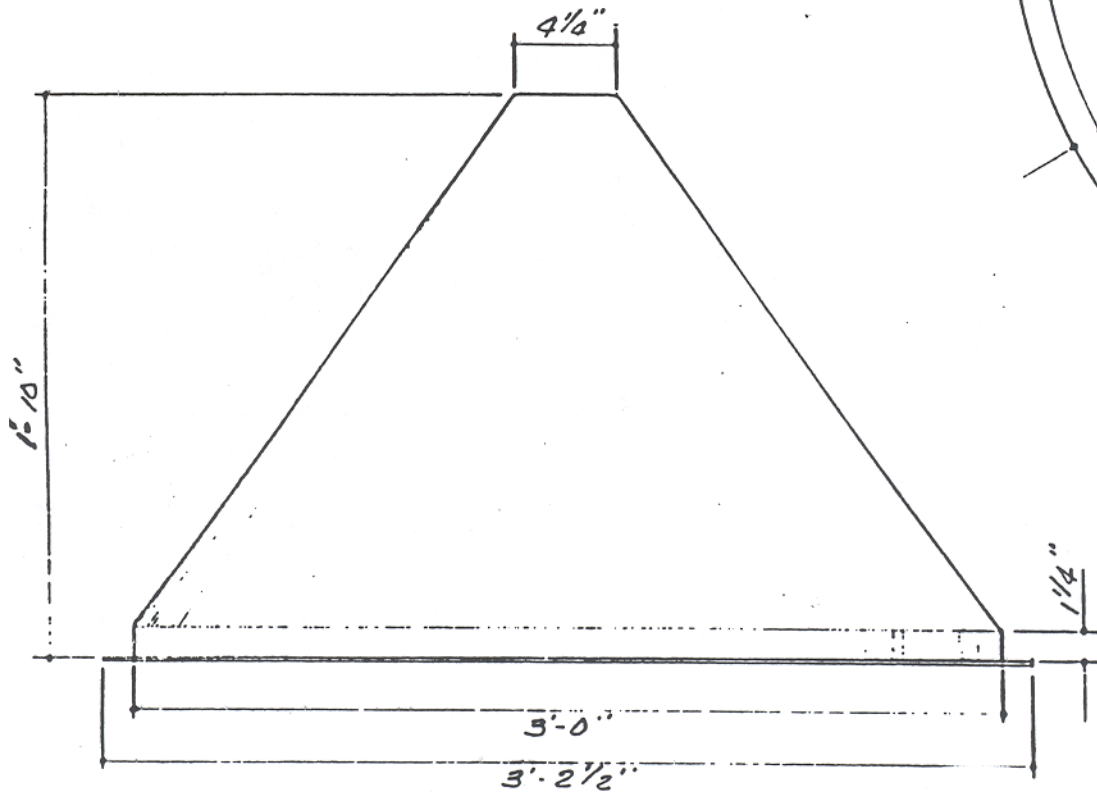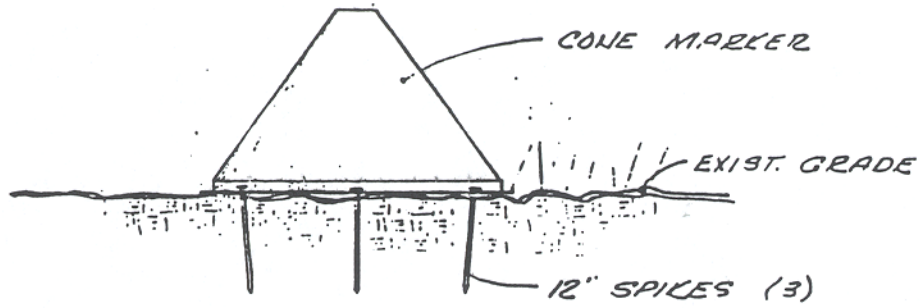**DETAIL WITH CONES**
(SEE GENERAL NOTE 4)

10"
10"
EDGE
END

TURF RUNWAY MARKERS (TYPICAL) (YELLOW)

3'

TURF RUNWAY LIMITS

MINIMUM RUNWAY WIDTH 100'

200' MAX.

(SEE GENERAL NOTE 3)

DISPLACED THRESHOLD (WHERE REQUIRED)

TURF RUNWAY MARKER LAYOUT

DETAIL WITH CONES
(SEE GENERAL NOTE 4)

STRIP EDGE

10'

10'

3'

APPROACH AREA

TURF RUNWAY LIMITS

THRESHOLD
(RUNWAY END)

DISPLACED THRESHOLD MARKERS — THREE REQUIRED EACH SIDE.
(SEE GENERAL NOTE 2)

NO NATURAL OR MAN—MADE OBJECT TO
PROJECT ABOVE APPROACH SURFACE

25' MIN. OVER LIMITS OF AIRPORT
PROPERTY INTEREST

23' MIN. OVER RAILROAD

17' MIN. OVER INTERSTATE HWY.
15' MIN. OVER OTHER ROADS

20:1 APPROACH SURFACE *

END OF APPROACH SURFACE

PLAN VIEW

NOTE:
DISPLACED THRESHOLD LIGHTS SHALL BE
REQUIRED ON LIGHTED TURF RUNWAYS.

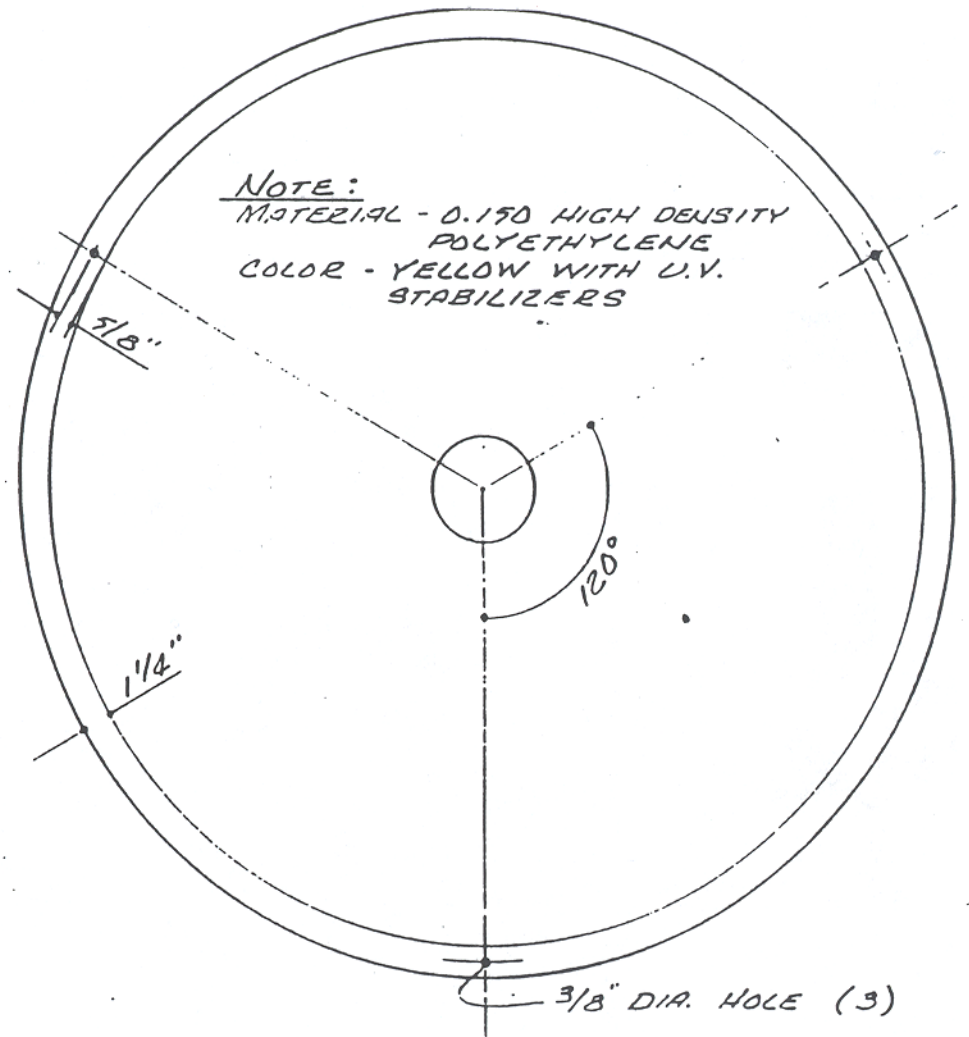DISPLACED THRESHOLD MARKER

THRESHOLD
(RUNWAY END)

TURF RUNWAY CONE

* THE MOST RESTRICTIVE OBJECT OR CLEARANCE
WITHIN THE APPROACH AREA SHALL BE USED
TO LOCATE THE END OF THE APPROACH SURFACE
FOR DISPLACED THRESHOLDS.

PROFILE

DISPLACED THRESHOLD MARKER LAYOUT

CONE MARKER

EXIST. GRADE

12" SPIKES (3)

NOTE:
MATERIAL - 0.150 HIGH DENSITY
POLYETHYLENE
COLOR - YELLOW WITH U.V.
STABILIZERS

5/8"

120°

1 1/4"

3/8" DIA. HOLE (3)

TOP ELEVATION
SCALE 1 1/2" = 1'

4 1/4"

1'-10"

1 1/4"

3'-0"

3'-2 1/2"

SIDE ELEVATION

TURF RUNWAY - PLASTIC
CONE MARKER