PRECISION PRECAST

TB - 1627 TRAFFIC BOX

K & B STEEL
13 1/4" X 24" GALV FRAME AND SOLID COVER

4000 PSI CONCRETE W/ FIBER

GROUNDING TAB

1/2" RECESSED BOLTS

SLOTTED PICK HOLE

20 1/2"

17 1/2"

24"

13 1/2"
H-20 Load
Hot Dip Galvanized

13-1/4" x 24"
Frame & Solid Cover

1/2" Recessed Flathead Screws for Bolt Down. (Two as Shown)

(1/2" Floor Plate Cover w/ Stiffeners for Load Requirement)

(2) Recessed Flat Head Screws w/ Anchors.

13-1/4" x 24" Clear Opening

Threaded Concrete Anchors

17-1/4" O.D.
28" O.D.

26-3/4" O.D.

2" x 2" x 1/4" Angle Frame w/ 1/2" Square Bar (Border Bar) between Cover & Concrete.
- 1/2" x 2" Headed Nelson Studs on 12" O.C. as shown.
4000 PSI Mix Design

Cement Type I/II 510 lbs
Flyash 90 lbs
Fine Agg 1515 lbs
Coarse 3/4" Agg 1982 lbs
Water 174 lbs
Polychem 3000 40.0oz
Polychem SA-50 1.14oz
Polymesh Fibrillated Fiber 1.5 lbs

Material Suppliers

Cement Central Plains, Sugar Creek MO
Fine Agg Capital Sand, Rocheport MO
Coarse Agg Mertens Quarry, Auxvasse MO
Polychem 3000 General Resource Tech., St Louis MO
Polychem SA-50 General Resource Tech., St Louis MO
Polymesh Fibrillated Fiber General Resource Tech., St Louis MO

Test reports will be supplied upon completion.
Sample report attached.
Polymesh™ Fibrillated Fiber Reinforcement System for Concrete

**Applicable Standards**
Polymesh™ Fibrillated Fibers meet the material specifications described in ASTM C-1116, Type III, Section 4.1.3, “Synthetic Fiber Reinforced Concrete or Shotcrete”.

Meets the properties for polypropylene established in ACI 544.1 R-82, Table 1.1.

**Advantages**
- Will control shrinkage and thermal cracking
- Will not rust or corrode
- Will assist in preventing cracks, whereas wire mesh may influence cracking
- Low cost alternative to light duty wire mesh reinforcement
- Reduces permeability to chloride and increases impact resistance
- Chemically inert and non-hazardous, will not react with any components normally incorporated in concrete
- Contains no additives harmful to the skin when handling
- Does not affect concrete pumpability, set time or finishing characteristics
- Qualifies as non-structural fiber reinforcement in hardened concrete

**Packaging**
Polymesh™ Fibrillated Fibers are available in 1-1/2 pound water-dispersible bags, (18 bags per carton, 18 cartons per pallet). For additional information, please contact your GRT Polymesh™ representative.

**Handling**
Polymesh™ Fibrillated Fibers should be stored in a weather-tight area.

General Resource Technology assumes no responsibility for the end products or uses made with our Polymesh fibers due to GRT’s lack of control during design, manufacture, or testing of these products.