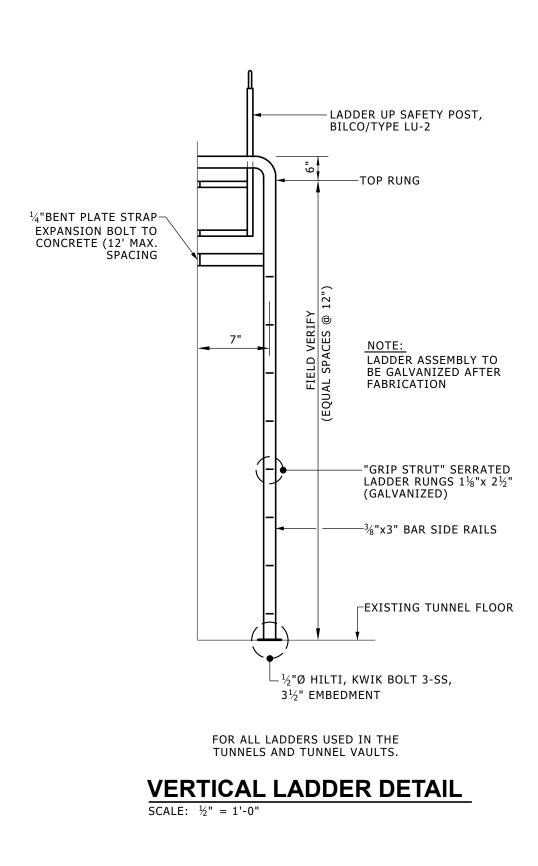


SIDEWALK/VAULT (H20) DOOR DETAIL NOT TO SCALE

(1) FOR USE IN AREAS SUBJECT TO VEHICULAR TRAFFIC, INCLUDING OVER SIDEWALK AND HARDSCAPED AREAS OF PLAZAS (2) VERIFY SIZE OF DOOR WITH TUNNELS MANAGER FOR EACH PROJECT AND EACH LOCATION.





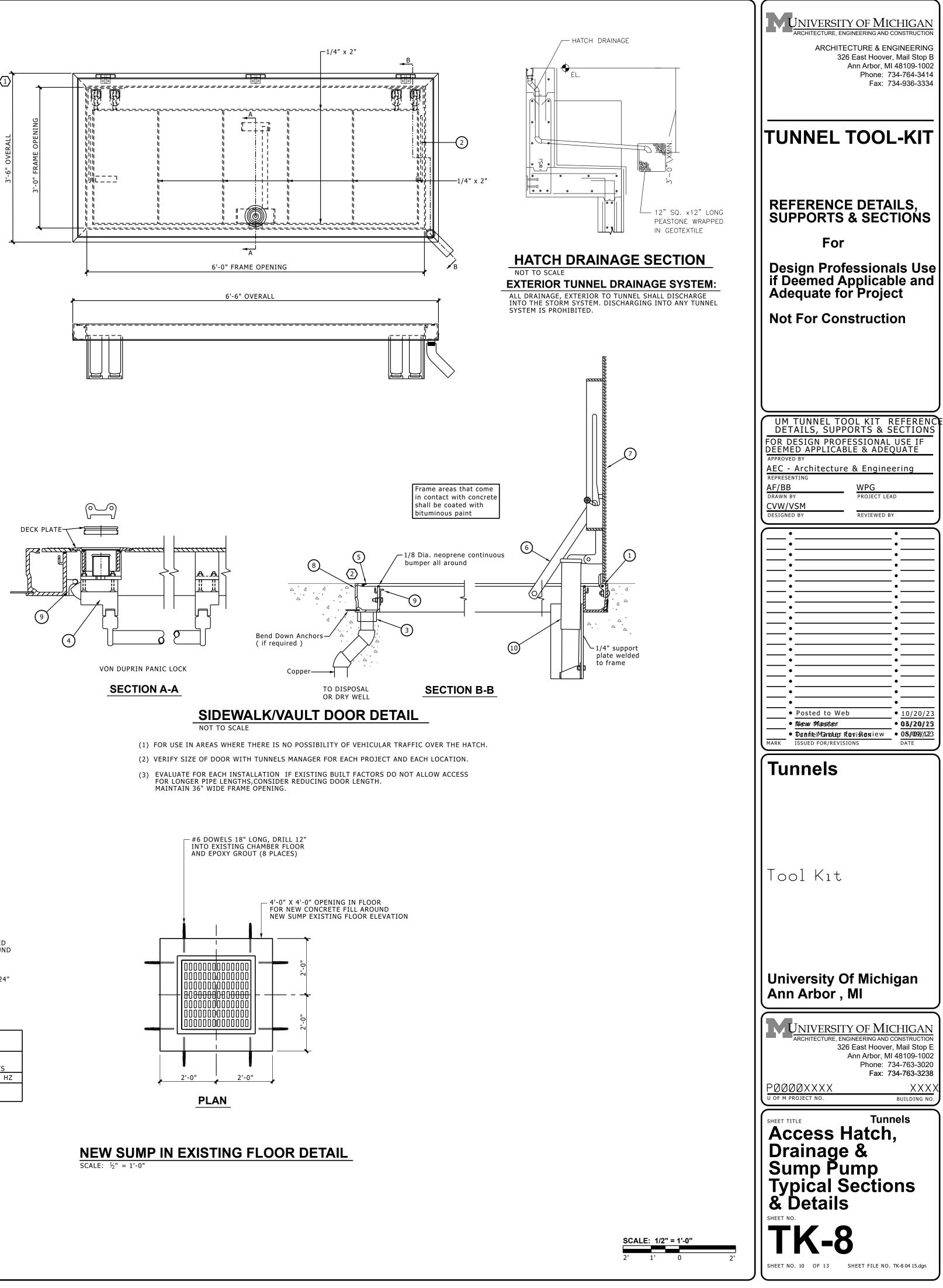
DESIGN NOTES

1 ENGINEER TO DETERMINE WHETHER HATCH LENGTH DIMENSION CAN BE REDUCED,BASED ON ACCESS CLEARANCE REQUIRED FOR REPLACEMENT EXPANSION JOINTS INSTALLED AT THE TUNNEL SEGMENT LOCATION.

 \bigcirc HATCH & FRAME MUST BE SET FLUSH OR SLIGHTLY RECESSED (+0, -1/8) TO AVOID SNOW PLOW BLADE INTERFERENCE.

KEY NOTES (Typical)

- () BILCO HEAVY DUTY FORGED STAINLESS STEEL HINGES WITH STAINLESS STEEL PINS
- 2 STAINLESS STEEL GUIDE ARM
- 3 1-1/2" DRAIN COUPLING
- (4) VON DUPRIN 88NLUS4 PANIC LOCK (KEYED TOPSIDE & ALIKE) W/ BEST 1E72 RIM CYLINDER W/ REMOVABLE CORE
- (5) CONTINUOUS EPDM DEBRIS GASKET
- 6 BILCO STAINLESS STEEL AUTOMATIC
- LOCK OPEN ARM (7) 1/4" ALUMINUM DIAMOND PATTERN PLATE COVER
- 8 BILCO 1/4" ALUMINUM CHANNEL FRAME WITH
- RECESSED ANCHORS (9) STAINLESS STEEL LOCK STRIKE
- (10) STAINLESS STEEL SPRING LIFTING MECHANISM



INSTALLATION NOTES (Typical)

- A. USE CAUTION. COVER IS SPRING LOADED. DO NOT REMOVE SAFETY SHIPPING BOLT UNTIL UNIT IS TO BE INSTALLED AND IN NORMAL HORIZONTAL OPERATING POSITION.
- B. BE SURE UNIT IS SET ON SLIGHT PITCH TOWARD DRAIN CORNER.
- C. BEFORE ANCHORING IN PLACE OPEN AND CLOSE DOOR. CHECK TO SEE THAT THE DOOR IN THE CLOSED POSITION RESTS ON THE FRAME ALL AROUND. IF NOT, SHIM UNDER THE FRAME AT THE PROPER CORNER.
- D. DO NOT REDUCE 1 1/2" DRAIN PIPE TO DISPOSAL SYSTEM.

– NEENAH R-4800 SERIES

FLUSH OR - 1/8

-WATERSTOPS

ALL AROUND

#6 DOWELS

TYPE A GRATE COVER

E. BEND DOWN ANCHORS IF REQUIRED.

PUMP

EXISTING TUNNEL/ VAULT FLOOR

CHECK

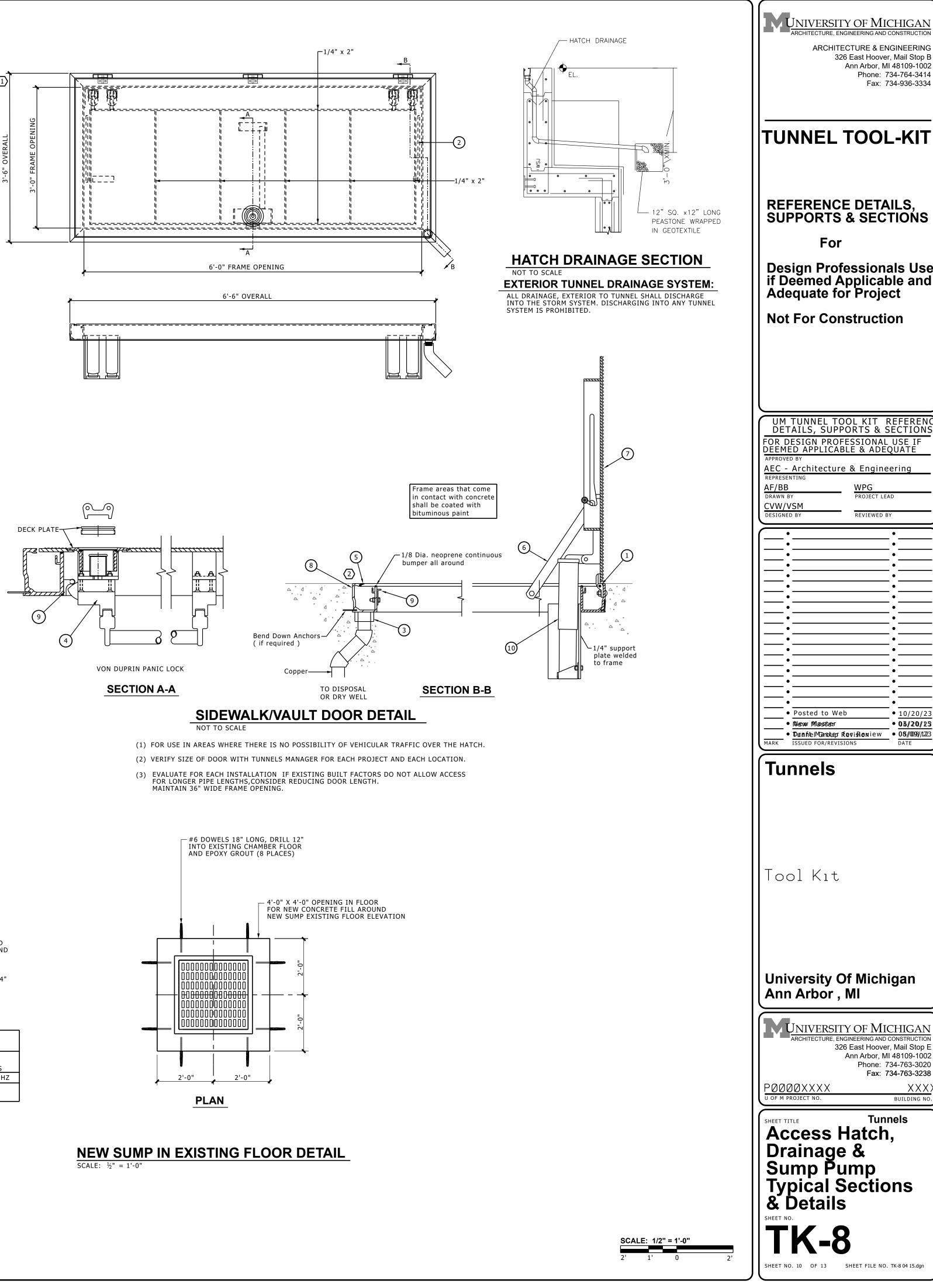
VALVE

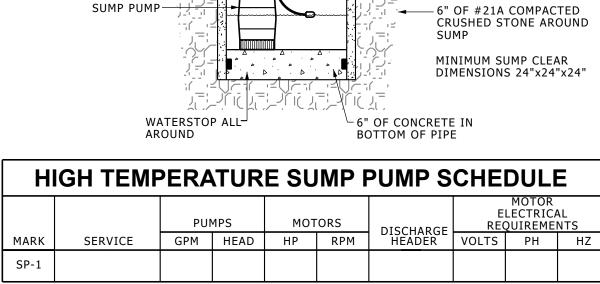
HIGH TEMP.

SUMP PUMP-

BASIS OF DESIGN: GRUNDFOS UNILIFT AP12

DISCHARGE-----TO SANITARY





SUMP PUMP DETAIL

INTERIOR TUNNEL DRAINAGE:

NO SCALE

INTERIOR TUNNEL DRAINAGE SYSTEMS SHALL DISCHARGE TO NEAREST BUILDING SANITARY SYSTEM AND REQUIRE A CHECK VALVE TO ENSURE SEWER GASES CANNOT ENTER THE TUNNEL SYSTEM.