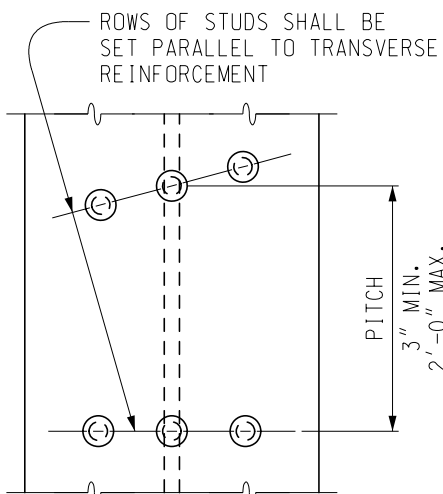


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CHECKED BY: VZ
APPROVED BY: DAJ

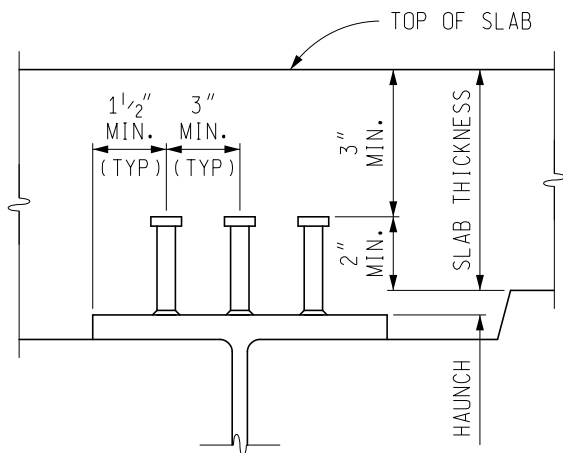
MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF DEVELOPMENT

STUD SHEAR
DEVELOPER DETAILS

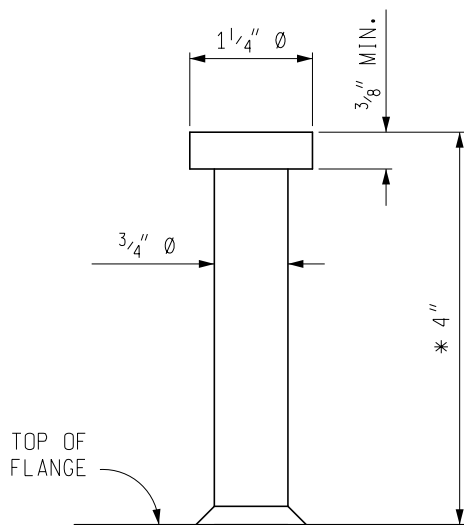
ISSUED: 09/25/17
SUPERSEDES: 12/19/16



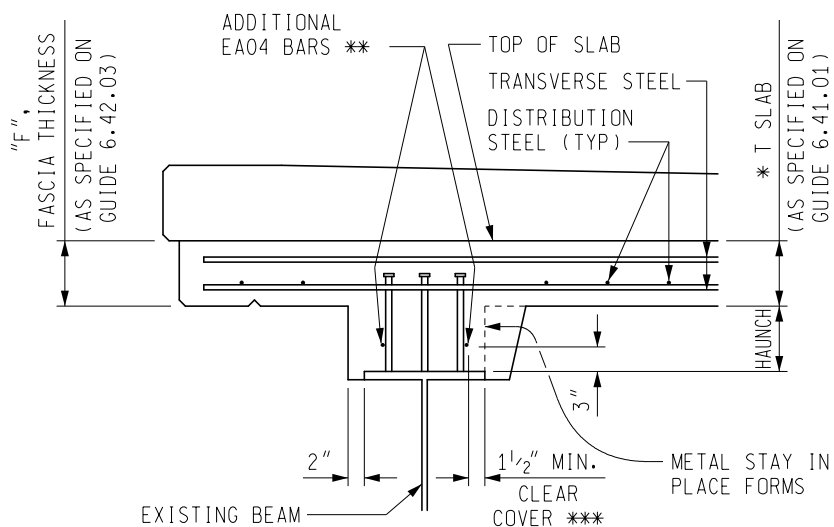
PLAN



SECTION



DETAIL OF STUD



BEAM HAUNCH > 6" DETAIL

PLAN NOTES:

THE HAUNCH REINFORCEMENT QUANTITY SHOWN PROVIDES THE AMOUNT NECESSARY TO COVER THE LIMITS SHOWN ON THE PLANS.

NOTES:

* INCREASE LENGTH OF STUD WHEN NECESSARY TO MAINTAIN 2" MINIMUM PENETRATION OF STUD INTO DECK SLAB. (1" INCREMENTS)

MAXIMUM STUD LENGTH IS LIMITED TO 16".

** EXTEND EA04 BARS A MINIMUM OF 2'-0" BEYOND THE POINT WHERE THE HAUNCH DROPS BELOW 6". DETAIL REINFORCEMENT ON PLAN SHEETS AND STEEL REINFORCEMENT DETAILS SHEET.

*** PLACE EA04 BAR INSIDE OF STUD IF NECESSARY TO MEET CLEAR COVER REQUIREMENTS.

IF FEASIBLE/EFFECTIVE, USE "W" BAR INSTEAD OF LONGER STUDS SIMILAR TO DETAILS ON GUIDE 6.42.03A.

DETAILS AND SPACING FOR STUDS SHOULD BE SHOWN ON THE PLANS.

FOUR STUDS PER ROW MAY BE USED WHEN REQUIRED.

USE OF HAUNCH GREATER THAN 12" MUST BE APPROVED BY THE BRIDGE DESIGN SUPERVISING ENGINEER.

PREPARED BY
DESIGN DIVISION

8.07.01