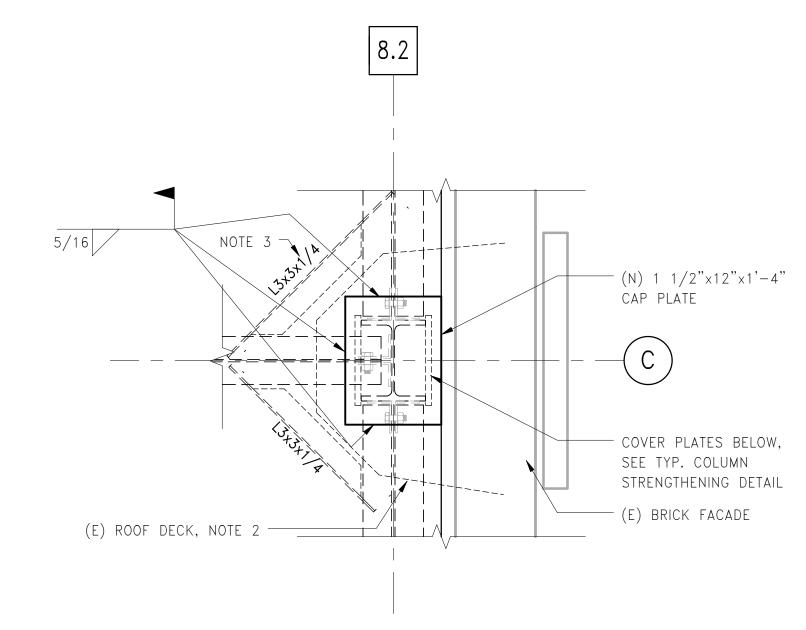
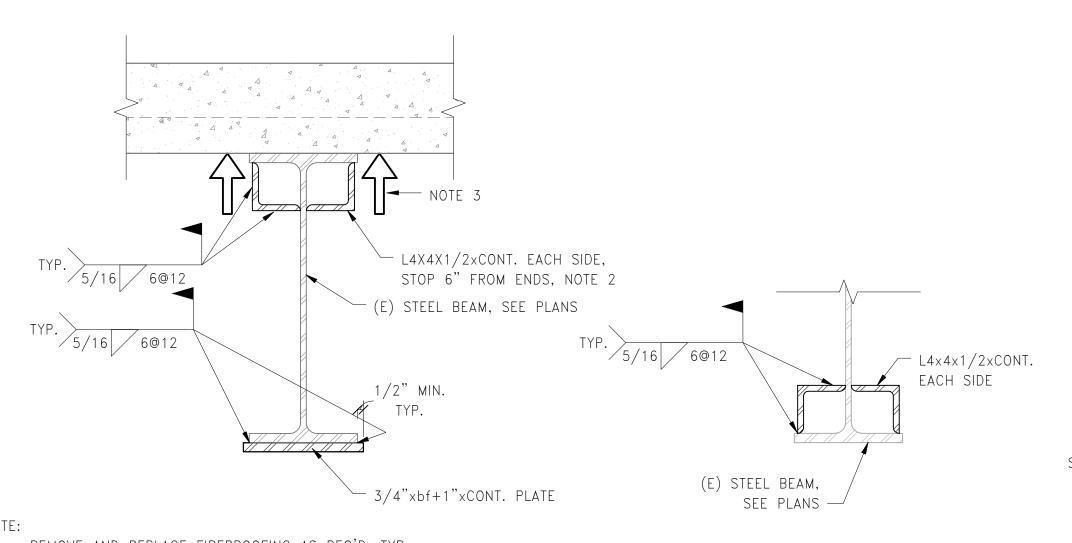
- 1. REMOVE AND REPLACE FIREPROOFING AS REQUIRED TYP. CLOSE OFF TOP OF COVER PLATE WITH MESH TO
- ENCAPSULATE COVER PLATE AND COLUMN WITH NEW FIREPROOFING.
- 2. ON EXTERIOR SIDE OF COLUMNS, REMOVE BRICK FACADE AND RELIEVING ANGLES AS REQUIRED TO INSTALL COVER PLATES. COORDINATE DEMO AND REPAIRS WITH ARCH. DRAWINGS.
- 3. AT ALL W10 COLUMNS, COVER PLATES AND STIFFENERS MUST CONTINUE THROUGH BEAM CONNECTIONS
- AND SLABS. SEE ADDITIONAL STRENGTHENING DETAILS.
- 4. DELIVER LONGER LENGTH PLATE TO SITE AND FIELD CUT TO FIT. <u>ALTERNATE:</u> CONTRACTOR MAY USE SEGMENTED PLATES WITH CJP WELDS TO SPLICE COVER PLATES TOGETHER, IN LIEU OF CONTINUOUS COVER PLATE.
- 5. COLUMN STRENGTHENING MUST START AT BASE OF COLUMN AND PROGRESS FROM BOTTOM TO TOP. MUST INSTALL ALL COLUMN COVER PLATES PRIOR TO ERECTING ANY NEW STEEL ABOVE (E) COLUMN.

TYPICAL STRENGTHENING OF (E) STEEL COLUMN



- 1. USE THIS DETAIL AT ALL LOCATIONS WHEN (E) COLUMN DOES NOT HAVE CAP PLATE.
- 2. REMOVE AND REPLACE ROOFING AND CUT AND REPLACE (E) ROOF DECK AS REQUIRED TO INSTALL NEW CAP PLATE. COORDINATE ROOFING DETAILS WITH ARCH. DWGS.
- 3. ADD DECK SUPPORT ANGLE AND SHIMS UNDER REMAINING DECK, FILLET WELD TO (E) BEAMS.
- 4. PRIOR TO ADDING NEW COLUMN CAP PLATE CONTRACTOR SHALL ENSURE THAT TOP OF (E) COL AND TOP FLANGE OF EXISTING BEAMS ARE ALL FLUSH THUS PROVIDING UNIFORM BEARING OF NEW COLUMN CAP PLATE. SHIM AS NECESSARY TO ACHIEVE UNIFORM BEARING ON THESE SURFACES.
- 5. COLUMN COVER PLATES SHALL BE WELDED TO (E) COLUMN AFTER NEW COLUMN CAP PLATE HAS BEEN INSTALLED.





— (E) SEPARATION JOINT

AT CORRIDOR ROOF

TO NOT WELD CAP

—— (E) BRICK FACADE

PLATE TO BEAM ON SLIDE BEARING CONN.

(E) SLIDE BEARING CONN. BELOW

1. REMOVE AND REPLACE FIREPROOFING AS REQ'D, TYP. 2. USE MESH TO CLOSE OFF ENDS OF (N) ANGLES FOR FIREPROOFING. 3. CONTRACTOR TO PROVIDE TEMPORARY SHORING AT 1/3 POINTS OF BEAM $1 \ 1/2$ " = 1'-0"

TYPICAL STRENGTHENING OF (E) STEEL BEAM

SPAN DURING STRENGTHENING. 4. bf = FLANGE WIDTH OF (E) STEEL BEAM.

(E) ROOF DECK, NOTE 2

5/16

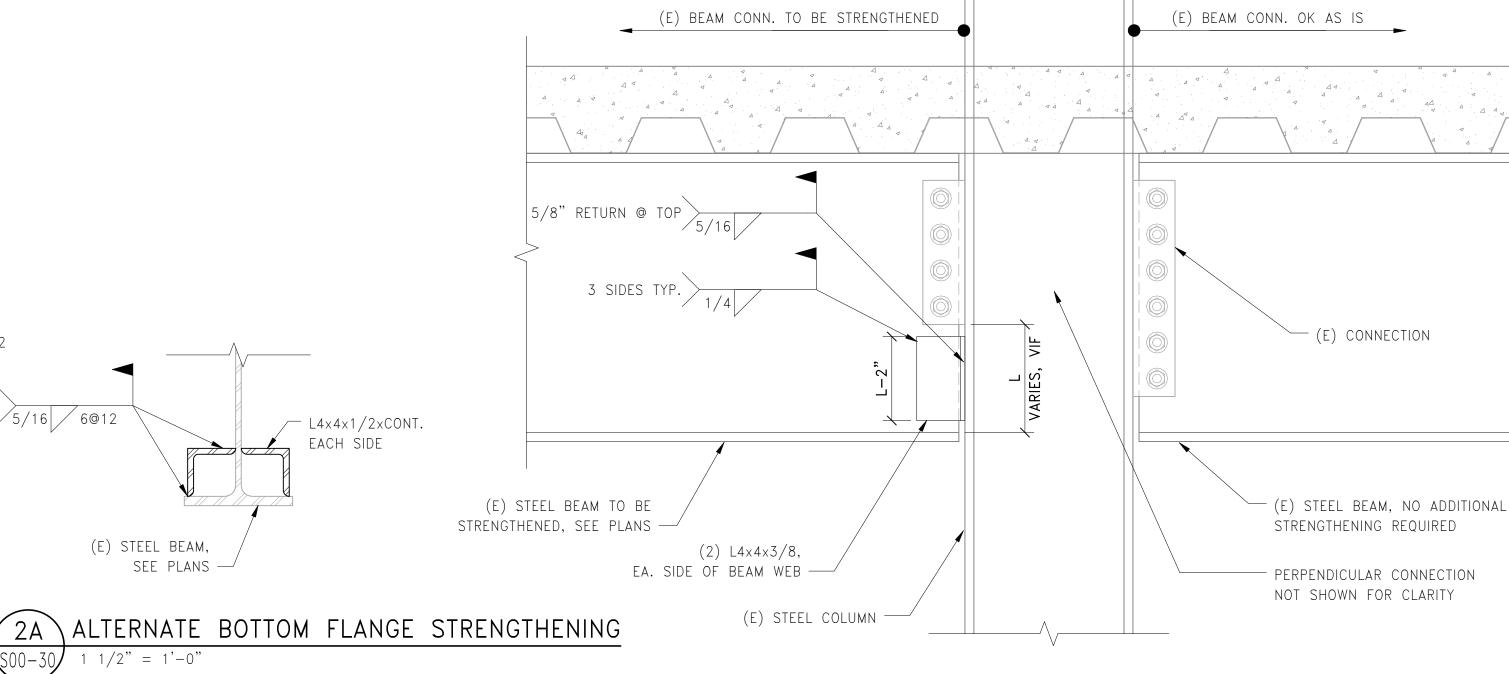
(N) $1 \frac{1}{2}$ "×14"×1'-4"

COVER PLATES BELOW,

SEE TYP. COLUMN STRENGTHENING DETAIL ——

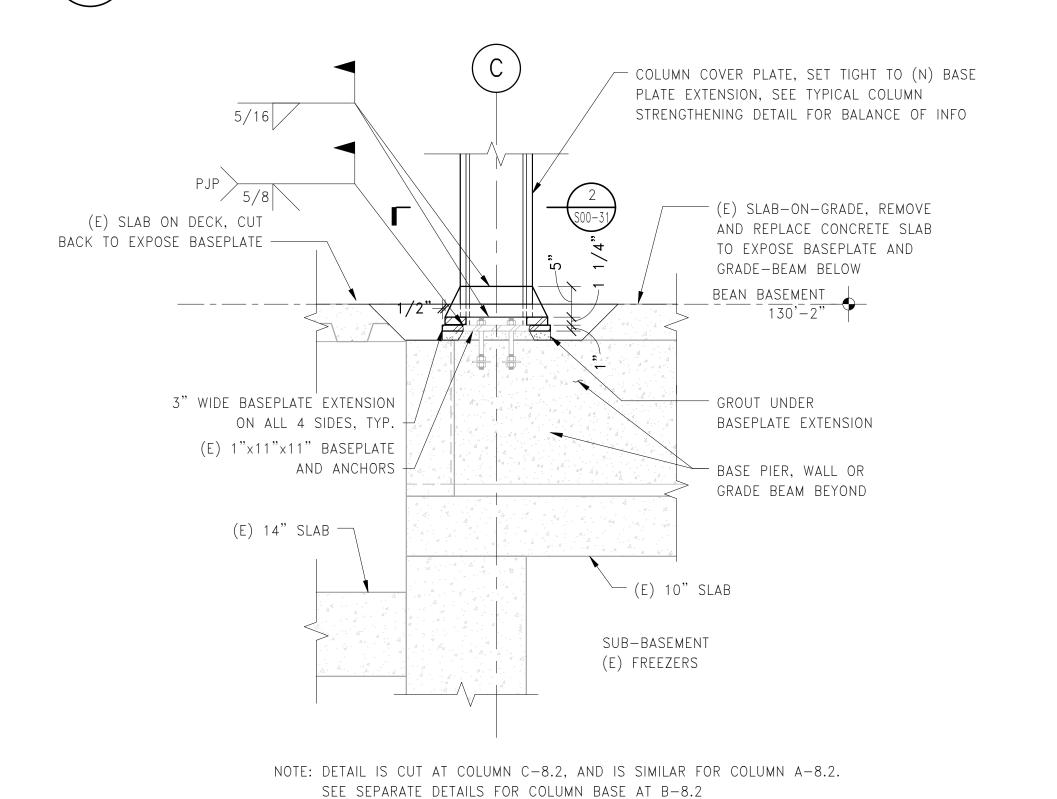
CAP PLATE

BEEN INSTALLED.



1. DETAIL ONLY APPLIES TO (E) CONNECTIONS WITH LESS THAN REQUIRED NUMBER OF BOLTS, SEE STRENGTHENING PLANS. 2. REMOVE AND REPLACE FIREPROOFING AS REQ'D, TYP.

TYPICAL STRENGTHENING OF (E) BEAM TO COLUMN CONNECTION



4A PLAN DETAIL: (N) CAP PLATE OVER (E) COLUMN

1. USE THIS DETAIL AT ALL LOCATIONS WHEN (E) COLUMN DOES NOT HAVE CAP PLATE.

NEW CAP PLATE. COORDINATE ROOFING DETAILS WITH ARCH. DWGS.

2. REMOVE AND REPLACE ROOFING AND CUT AND REPLACE (E) ROOF DECK AS REQUIRED TO INSTALL

ADD DECK SUPPORT ANGLE AND SHIMS UNDER REMAINING DECK, FILLET WELD TO (E) BEAMS.

AND TOP FLANGE OF EXISTING BEAMS ARE ALL FLUSH THUS PROVIDING UNIFORM BEARING OF NEW

COLUMN CAP PLATE. SHIM AS NECESSARY TO ACHIEVE UNIFORM BEARING ON THESE SURFACES.

4. PRIOR TO ADDING NEW COLUMN CAP PLATE CONTRACTOR SHALL ENSURE THAT TOP OF (E) COL

5. COLUMN COVER PLATES SHALL BE WELDED TO (E) COLUMN AFTER NEW COLUMN CAP PLATE HAS

5 \ SECTION: BASE BEARING STRENGTHENING ON GRID 8.2 $500-30\sqrt{3/4"} = 1'-0"$

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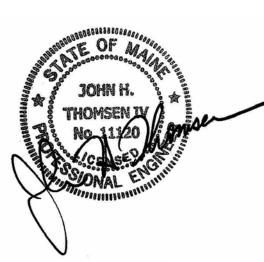
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CONSTRUCTION **DOCUMENTS** 06.14.2013



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STRENGTHENING -TYPICAL DETAILS

S00-30

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