

THE CITY OF AURORA CONSTRUCTION PLANS FOR NEW YORK STREET BRIDGE EAST ABUTMENT STAIRS REHABILITATION 2020

AURORA CITY COUNCIL

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BILL DONNELL, ALDERMAN-FOURTH WARD

CARL FRANCO, ALDERMAN-FIFTH WARD

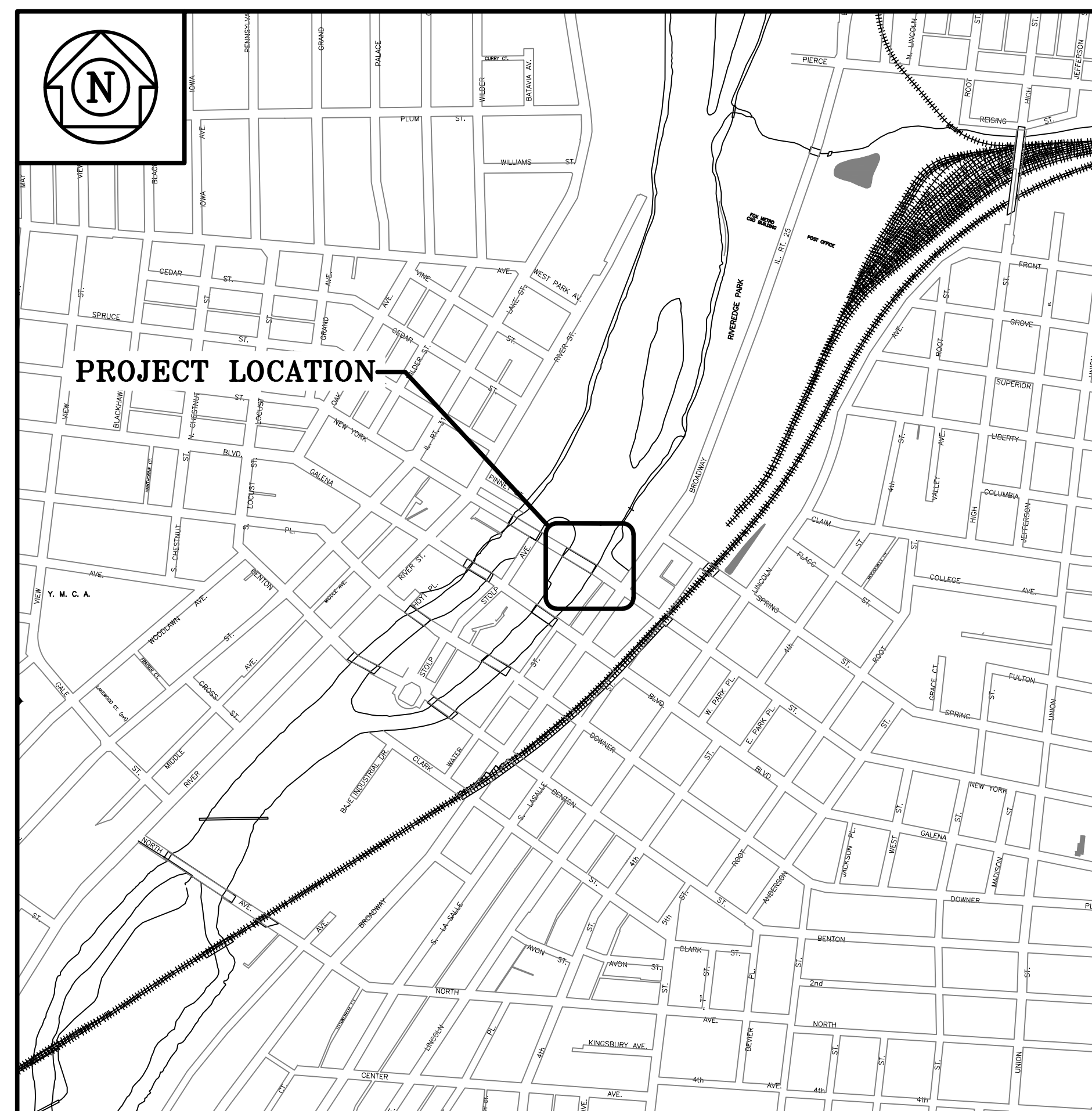
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SCHEKETA HART-BURNS, ALDERMAN-SEVENTH WARD

RICK MERVINE, ALDERMAN-EIGHTH WARD

EDWARD BUGG, ALDERMAN NINTH WARD

JUDD LOFCHIE, ALDERMAN TENTH WARD



LOCATION MAP

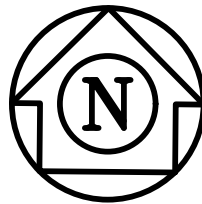
INDEX OF SHEETS

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DEUCHLER ENGINEERING CORPORATION	
DEUCHLER ENGINEERING CORPORATION	DANIEL P. CACERES, SE.
DESIGN FIRM SEAL	STRUCTURAL ENGINEER
DESIGN FIRM 184-001830	ILLINOIS S.E. 081-007646
EXPIRATION: 4/30/2021	EXPIRATION: 11/30/2020
DATE: 6/-/20	DATE: 6/-/20



EXISTING BRIDGE AERIAL PHOTO



NOTES:

1. EXISTING BRIDGE IS REINFORCED CONCRETE AND WAS CONSTRUCTED IN 1991 (REFERENCE DRAWINGS AVAILABLE UPON REQUEST).
2. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL PER MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND ILLINOIS SUPPLIMENTS. TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO CITY OF AURORA.
3. CONTRACTOR SHALL PROVIDE SIGNAGE TO TEMPORARILY ROUTE PEDESTRIAN TRAFFIC AROUND WORK AREA.
4. CONTRACTOR SHALL PROVIDE BARRICADES, TEMPORARY RAILING, AND BARRICADE TAPING TO RESTRICT ACCESS TO THE WORK AREA.
5. CONTRACTOR SHALL SAWCUT, DEMOLISH, AND REMOVE EXISTING CONCRETE STAIRS AND RAILING. EXISTING CONCRETE PIERS SHALL REMAIN. CONTRACTOR SHALL SEQUENCE WORK SO NEW STAIRWAY IS COMPLETELY INSTALLED WITHIN 1 WEEK OF REMOVING EXISTING STAIRS.
6. CONTRACTOR SHALL RESTORE ANY DAMAGED SURFACES AND LANDSCAPING TO ORIGINAL CONDITION.



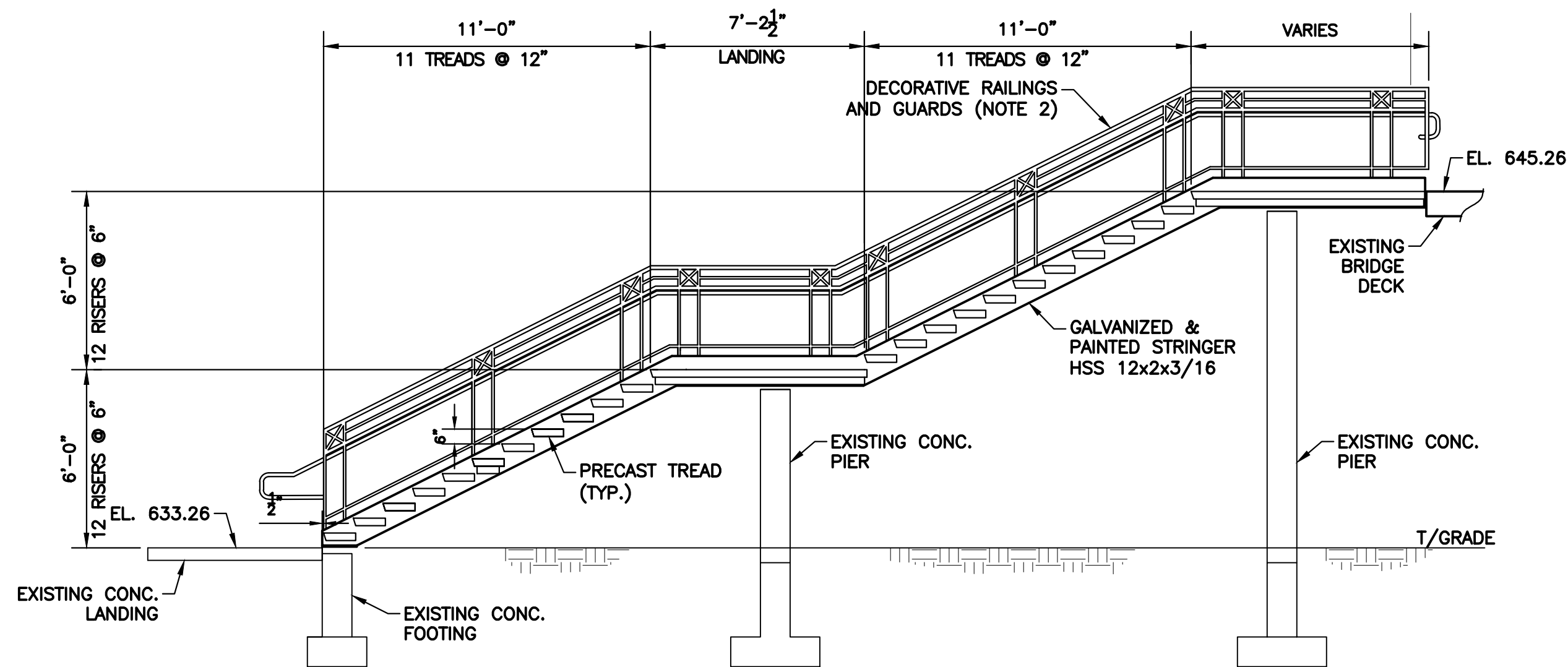
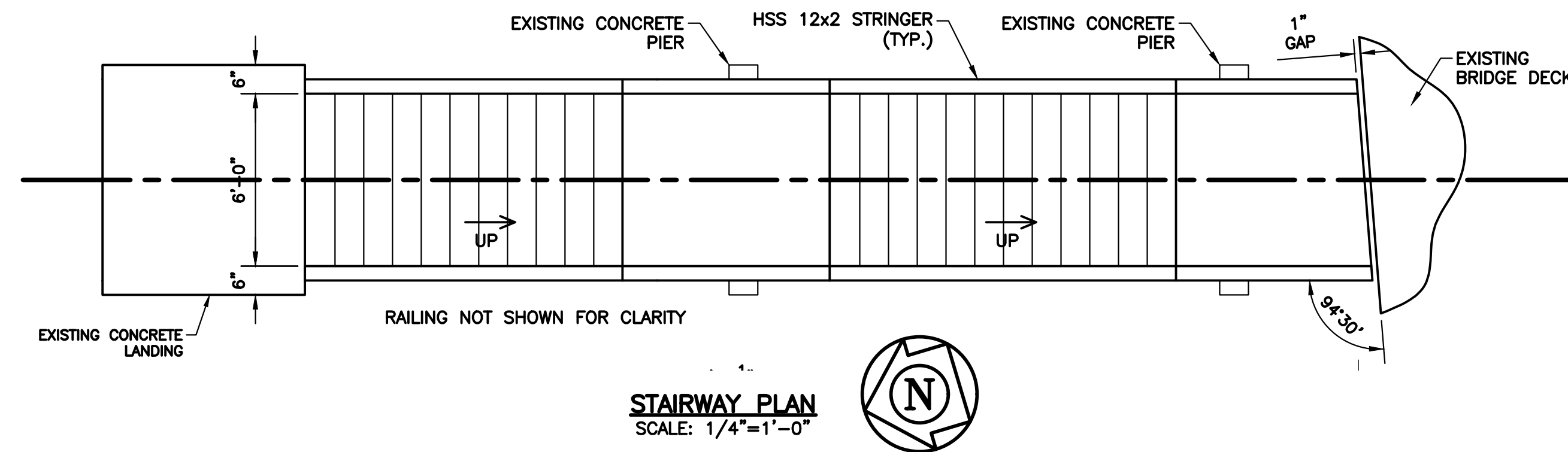
PHOTO 1 – EXISTING STAIRWAY



PHOTO 3 – EXISTING RAILING AT
ADJACENT STAIRWAY



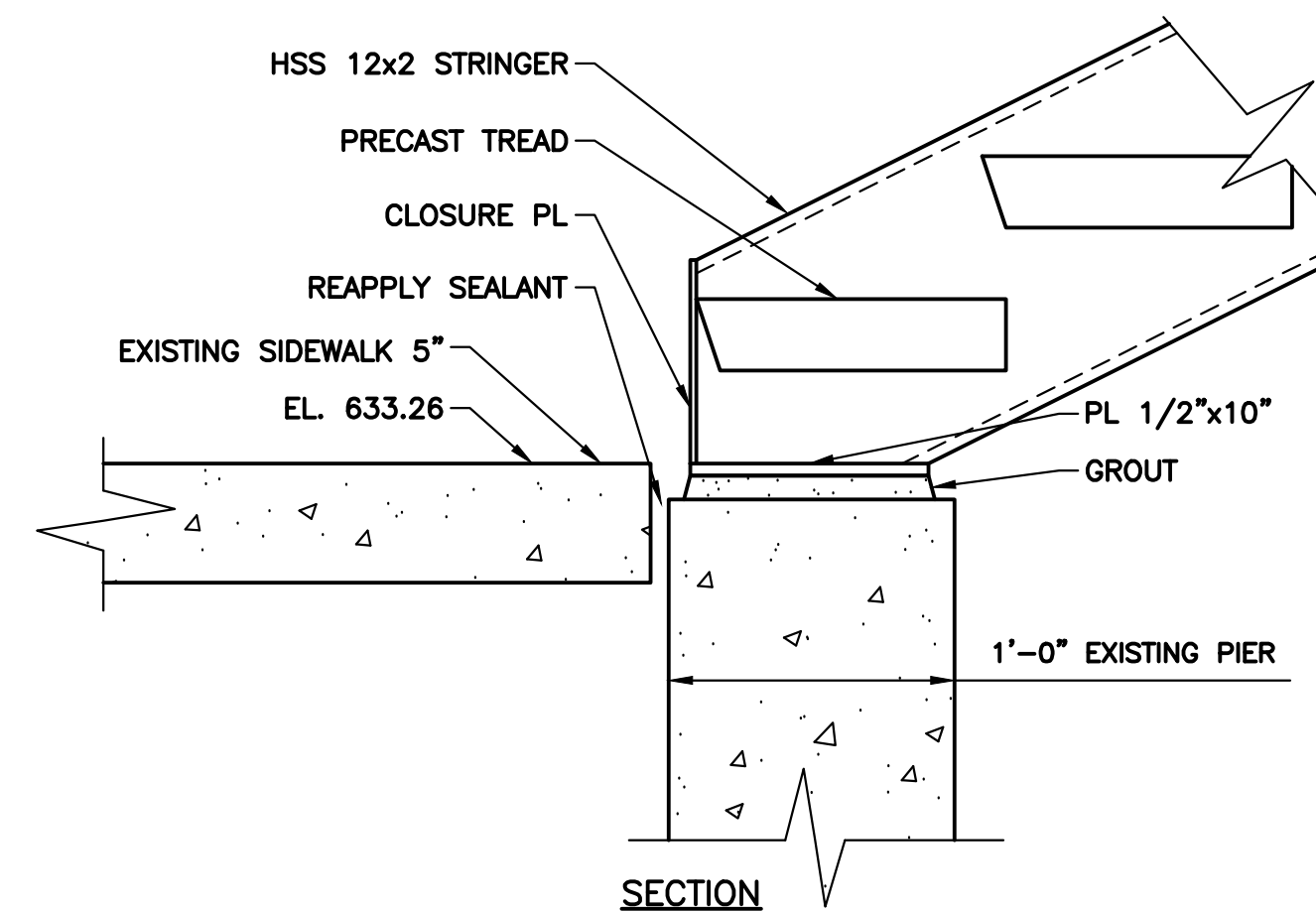
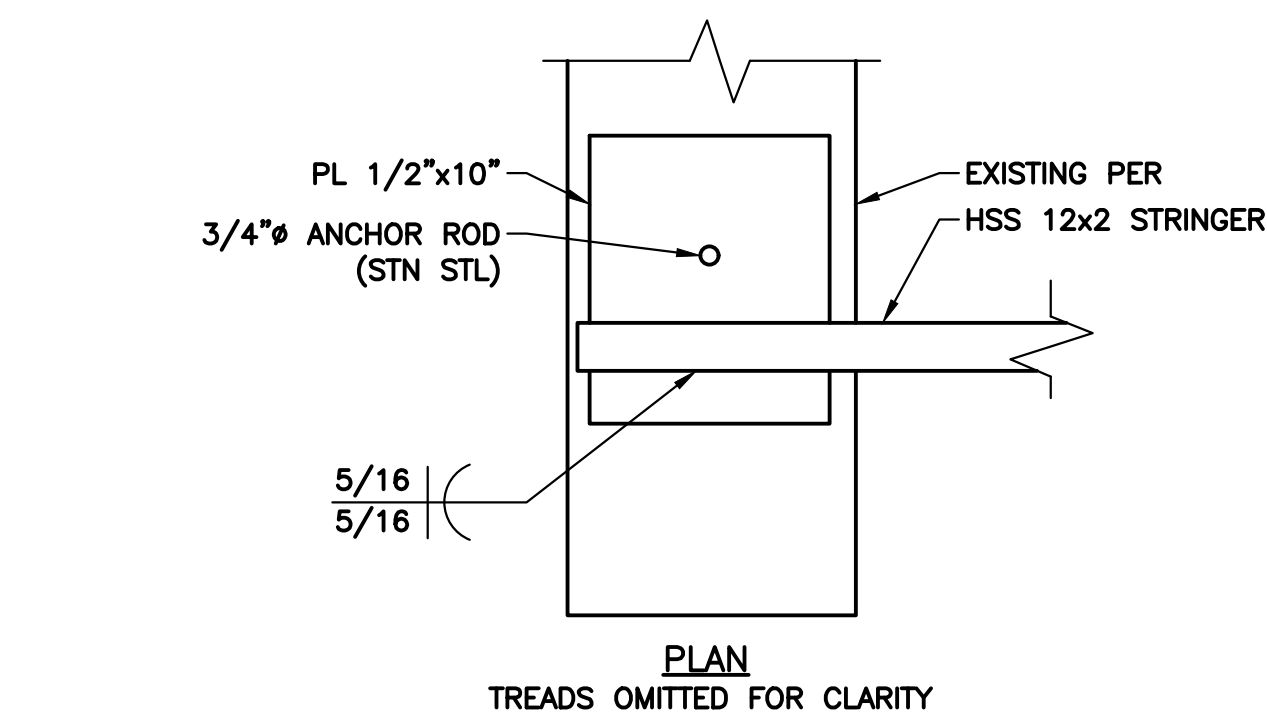
PHOTO 2 – EXISTING PIER



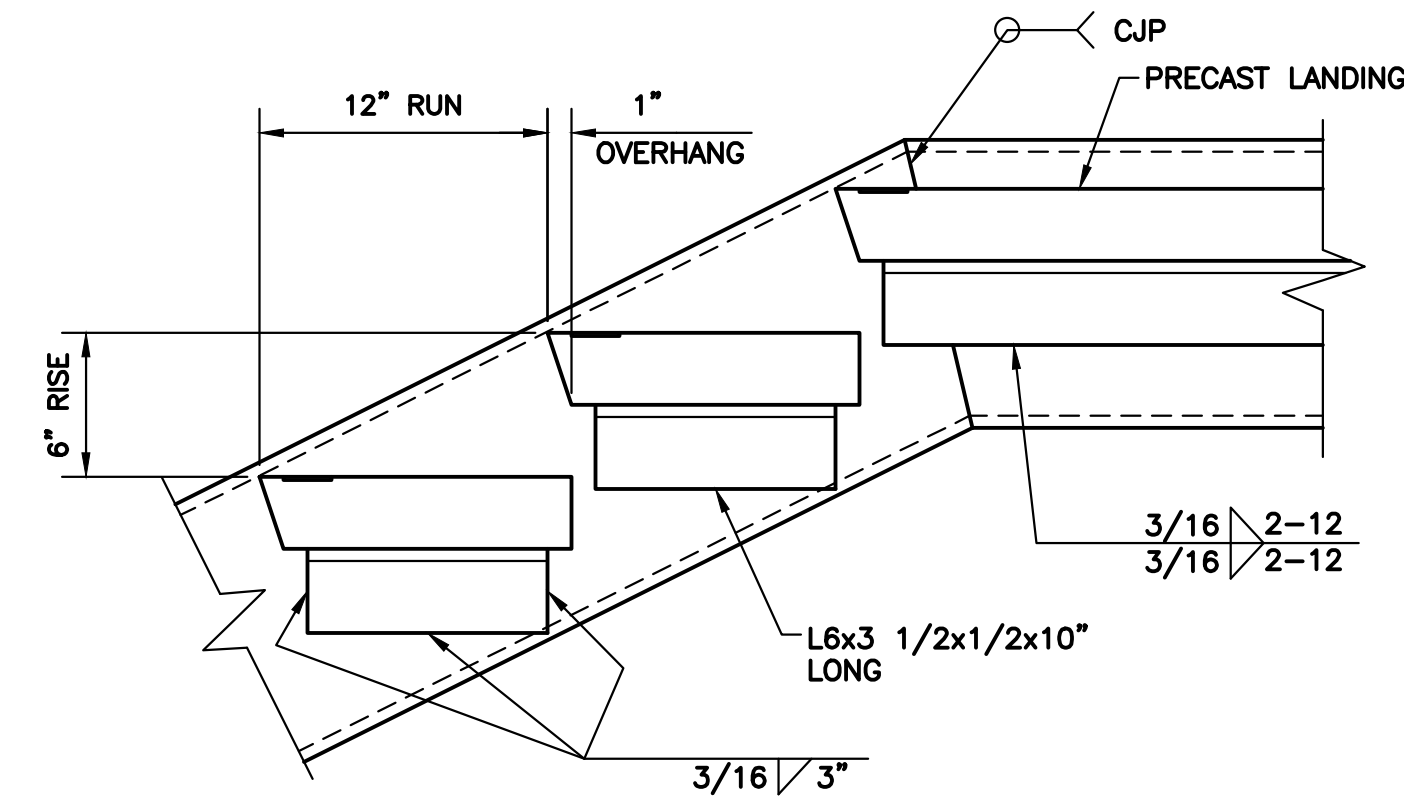
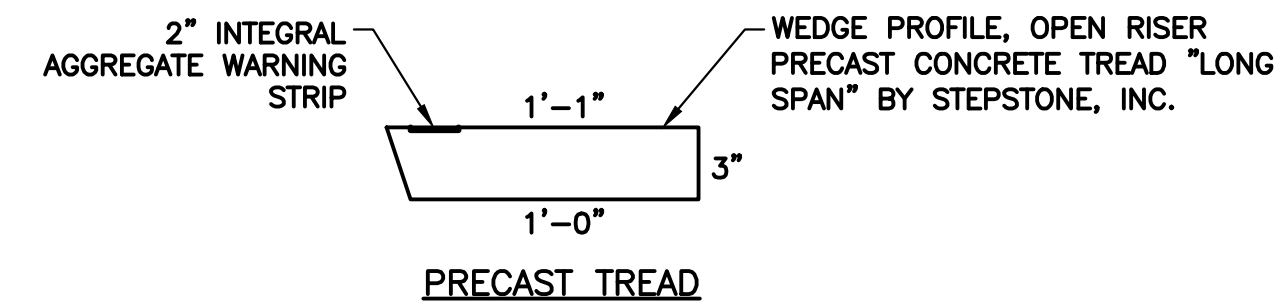
STAIRWAY SECTION
SCALE: 1/4"=1'-0"

NOTES:

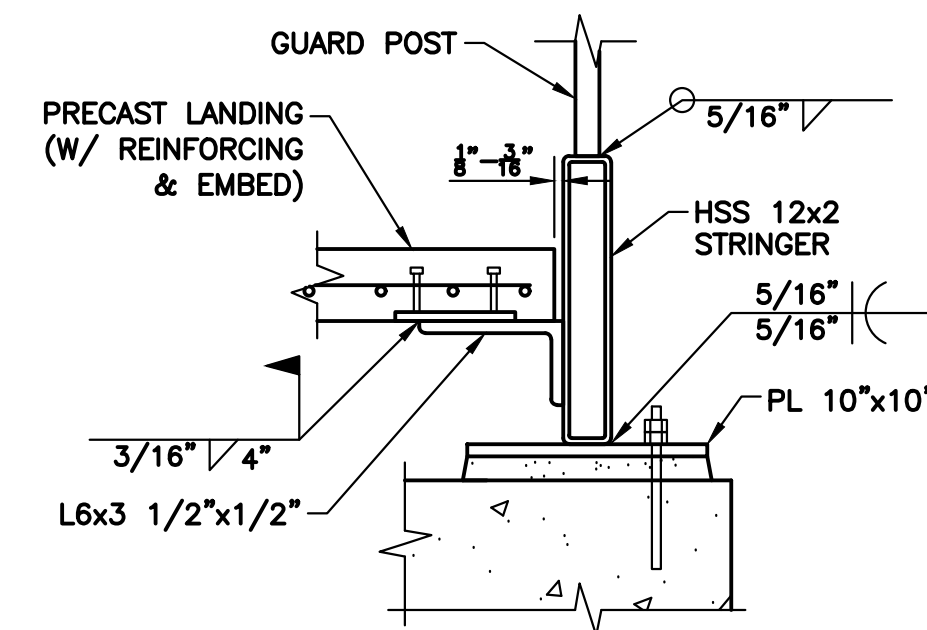
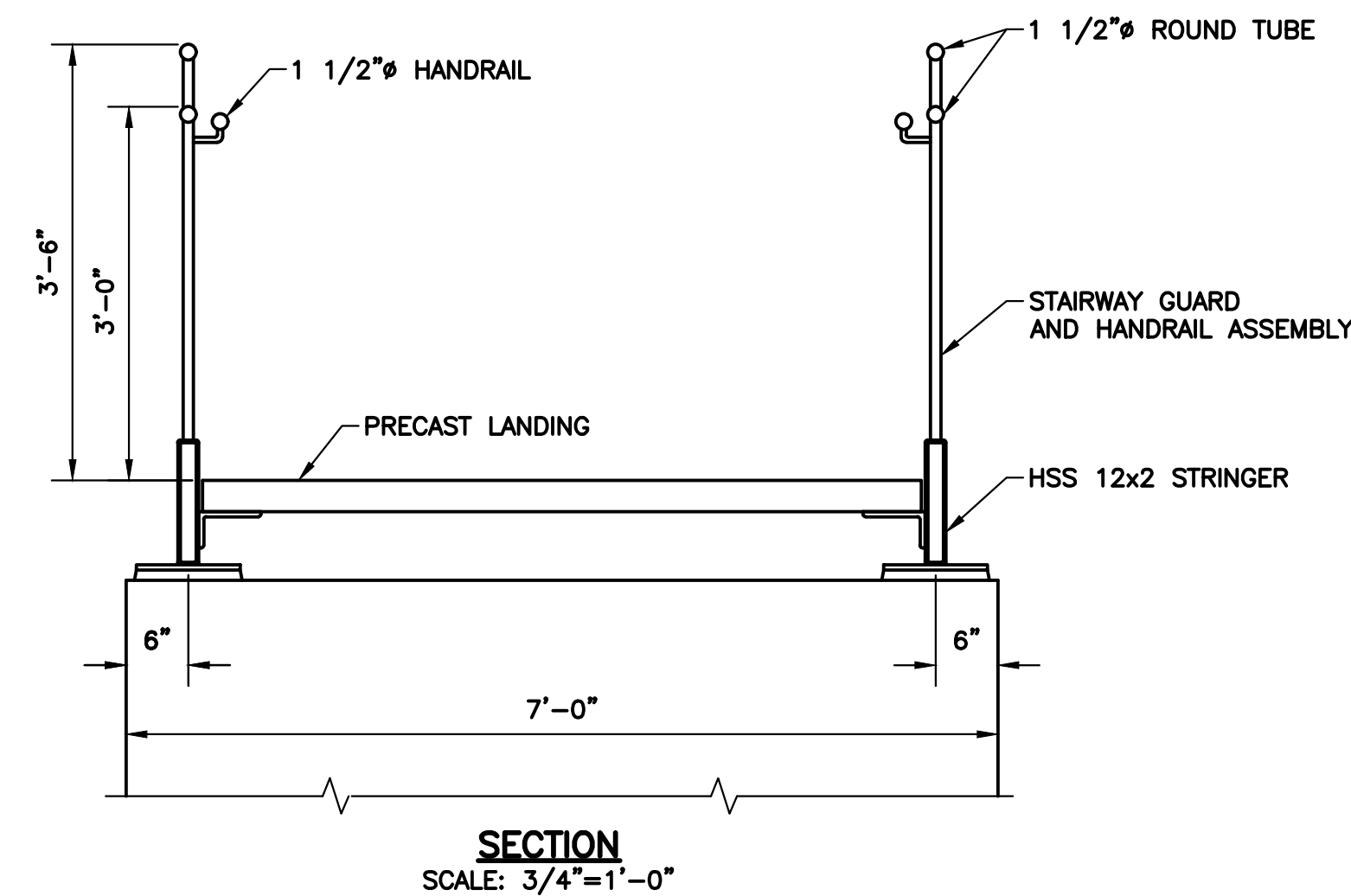
- EXISTING ELEVATIONS AND DIMENSIONS ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL FIELD MEASURE AND SURVEY EXISTING CONDITIONS AND MODIFY DIMENSIONS TO SUITE.
- NEW RAILINGS SHALL REPLICATE THE DESIGN OF THE ADJACENT STAIRWAY RAILING AND GUARDS. OVERALL GEOMETRY SHALL COMPLY WITH IBC 2015 PROVISIONS. PICKETS NOT SHOWN FOR CLARITY.
- STAIR STRINGERS, RAILING, AND GUARDS SHALL BE GALVANIZED AND COATED.
- MATERIALS:
 - HSS STRINGERS - ASTM A1085
 - PLATE & ANGLES - ASTM A36
 - ANCHORS - 316 STN STL W/ HILTI HIT RE500 V3 EPOXY ADHESIVE (9" EMBED)
 - WELDS - E70XX ELECTRODES, COLD GALVANIZED AND RE-COAT TO MATCH IN FIELD.



STRINGER-BASE CONNECTION
N.T.S.



TYPICAL STRINGER + TREAD
N.T.S.



ENLARGED DETAIL
SCALE: 1-1/2"=1'-0"