TENSION BOLTS AS REQUIRED BY AISC FOR ALL SHIELD FINISH COAT APPLIED AT 2.5
3.5 DFT, OR APPROVED EQUAL COATING SYSTEM. TENSIONED BOLT.

CRITICAL CONNECTIONS SHALL BE CONTINUOUSLY MONITORED WHEN TURN
5.0 DFT AND SERIES 73 BUILT CONDITIONS. SURVEY PROJECT SITE TO LOCATE UND
DERGROUND FORCE NUT STRENGTH BOLTS SHALL BE PERIODICALLY INSPECTED DURING
HALF THE "T" DIMENSION OF THE BEAM WEB.

GENERAL NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR SHORING AND BRACING ALL WORK DURING
CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL OSHA
REGULATIONS ON THE PROJECT SITE. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND
DISCREPANCIES PRIOR TO CONSTRUCTION.

2. MATERIALS SHALL MEET THE REQUIREMENTS OF THE FOLLOWING SPECIFICATIONS:

- ASTM A992, GRADE 50
- CHANNELS
- STRUCTURAL TUBING
- STRAP STEEL
- THERMALLY TREATED
- MILD STEEL

SMALLER THAN MATERIAL THICKNESS OF THICKER PART JOINED, UNLESS NOTED OTHERWISE. ALL
WELDING RELATED TO OVERHEAD CRANES OR OVERHEAD HANDLING EQUIPMENT SHALL BE MADE
IN ACCORDANCE WITH AWS. WELD CLEANING AND PAINTING OF COMPLETED WELDS SHALL BE IN ACCORDANCE WITH AWS.

3. UNLESS NOTED OTHERWISE ON THE PLANS, CONNECTIONS SHALL DEVELOP AT LEAST ONE
OF THE TOTAL UNIFORM LOAD CAPACITY TABULATED IN THE TABLES OF THE AISC MANUAL FOR THE
OTHERWISE.

4. UNLESS NOTED OTHERWISE ON THE PLANS, CONNECTIONS IN TENSION, THAT ARE SLIP CRITICAL, OR THAT ARE FULLY PRE
CONNECTED, VERIFY WITH ENGINEER IF UNSURE OF WHICH CONNECTIONS REQUIRE PRE

5. SUBMITTALS INCLUDE, BUT ARE NOT LIMITED TO

- CONCRETE MIXTURE DESIGN
- MATERIALS OF THE FOUNDATION
- CONCRETE COMPRESSIVE TEST REPORTS
- MATERIALS TEST REPORTS
- SHEET METAL SHOP DRAWINGS
- CASTING SHOP DRAWINGS
- FOUNDATION SHOP DRAWING
- FOUNDATION SHOP DRAWING

6. SHOP CONNECTIONS MAY BE BOLTED OR WELDED.

7. FIELD CONNECTIONS SHALL BE BOLTED UNLESS NOTED OTHERWISE ON DRAWINGS.

8. BOTH BAILEY AND SON ENGINEERING, INC. AND THE ENGINEER WHOSE PROFESSIONAL SEAL IS
AFFIXED TO THESE CONTRACT DRAWINGS DISCLAIM ANY IMPLIED WARRANTIES OF ANY KIND
WARRANTY OF MERCHANTABILITY, THE IMPLIED WARRANTY OF

9. SURFACE PREPARATIONS FOR STRUCTURAL STEEL SUBJECT TO EXTERIOR ENVIRONMENTAL
EXPOSURE EXCEEDS REQUIREMENTS OF COLUMN A, TABLE 51 OF AWS. WELD CLEANING AND
PAINTING OF COMPLETED WELDS SHALL BE IN ACCORDANCE WITH AWS.

10. THE DETAILER SHALL WORK WITH THE STRUCTURAL AND VENDOR DOCUMENTS WHILE
PREPARING SHOP DRAWINGS. IF THE DETAILER ELECTS TO SCALE THE DRAWINGS FOR
FIELD VERIFICATION OF SCALED DIMENSIONS WHEN SUBMITTED FOR APPROVAL.

11. STEEL GRATING SHOP DRAWINGS

12. GRATED STAIR TREADS SHALL HAVE 1 AT 1

6. ALL MATERIAL, WORKMANSHIP, AND DESIGN SHALL CONFORM TO THE INTERNATIONAL BUILDING
CODE, 2015 EDITION

SNOW LOADS:

A. THE CONTRACTOR SHALL PROVIDE THE STEEL INSPECTOR:

1. WELD PROCEDURES FOR WHICH WELDERS ARE CERTIFIED.
2. ELECTRODE TYPE TO BE USED FOR STRUCTURAL STEEL.
3. ELECTRODE TYPE TO BE USED FOR METAL DECKING.

C. ALL MULTIPASS FILLET WELDS SHALL BE CONTINUOUSLY MONITORED DURING WELDING.
D. VERIFICATION OF HIGH STRENGTH BOLTS WILL BE REQUIRED.
E. BEARING COMPONENTS AND CLADDING: PER ASCE 7
F. SPECTRAL RESPONSE COEFFICIENTS: Sds = 28.4 %g, Sd1 = 16.8 %g
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE
MONORAIL LOADS:
B

S0.1 PROJECT NOTES & DESIGN CRITERIA

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