

GENERAL NOTES

1. DESIGN LOADS
A. BALCONY LIVE LOAD..... 60 PSF
2. DESIGN WIND LOADS
A. ULTIMATE DESIGN WIND SPEED..... V_{ult} = 130 MPH
B. NOMINAL DESIGN WIND SPEED..... V_{db} = 101 MPH
C. RISK CATEGORY..... II
D. WIND EXPOSURE CATEGORY "C"
3. SNOW LOADS
A. GROUND SNOW LOAD P_g 0 PSF
4. SEISMIC DESIGN
A. SEISMIC IMPORTANCE FACTOR..... I = 1.00
B. MAPPED SPECTRAL RESPONSE ACCELERATIONS.....
 S_s = 0.126
 S_1 = 0.066
C. SITE CLASS "D"
D. SPECTRAL RESPONSE COEFFICIENTS.....
 S_{wp} = 0.135
 S_{wp} = 0.105
E. SEISMIC DESIGN CATEGORY "B"
F. NON BUILDING STRUCTURE TYPE:
NOT DETAILED FOR SEISMIC RESISTANCE
5. CODES
A. FLORIDA BUILDING CODE – EXISTING, 6TH (2017) EDITION
B. ALL FABRICATION WORK SHALL COMPLY WITH APPLICABLE STANDARDS OF THE ALUMINUM DESIGN MANUAL, ADM-10 AND THE AMERICAN WELDING SOCIETY'S STRUCTURAL WELDING CODE, AWS D1.2-LATEST EDITION.
6. STRUCTURAL ALUMINUM
A. MATERIAL SHALL BE 6061-T6 ALUMINUM, U.N.O.
B. STRUCTURAL CHANNEL SECTIONS SHALL BE AMERICAN STANDARD (AS) & SHALL CONFORM TO ASTM B308.
C. ALL TUBE SECTIONS SHALL CONFORM TO ASTM B221 6061-T6 OR 6063-T52, AS NOTED.
D. WELDS SHALL BE PERFORMED BY CERTIFIED WELDERS USING 5356 ALLOY FILLER.
E. ALL BOLTS SHALL CONFORM TO ASTM A320 GR. B8 OR EQUIVALENT AISI 304 S.S.
F. WHERE BOLTED CONNECTIONS ARE USED IN LIEU OF WELDS, ISOLATION OF DISSIMILAR METALS SHALL BE ACCOMPLISHED USING TOP HAT MINLONS AND/OR NEOPRENE GASKETS AS APPROPRIATE.
G. DO NOT PLACE ALUMINUM IN DIRECT CONTACT WITH DISSIMILAR METALS. PROVIDE ISOLATION AS REQUIRED.

CONCRETE NOTES

1. ALL CONCRETE WORK SHALL CONFORM TO ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS". DESIGN IS BASED ON ACI 318, "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE."
2. UNLESS NOTED OTHERWISE, ALL CONCRETE SHALL BE NORMAL WEIGHT AND HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4,000 PSI.
3. THE PROPOSED MATERIALS AND MIX DESIGN SHALL BE FULLY DOCUMENTED AND REVIEWED. RESPONSIBILITY FOR OBTAINING THE REQUIRED DESIGN STRENGTH IS THE CONTRACTOR'S.
4. USE OF CALCIUM CHLORIDE, CHLORIDE IONS, OR OTHER SALTS IN CONCRETE IS NOT PERMITTED.
5. CEMENT SHALL CONFORM TO ASTM C150, TYPE I OR III.
6. AGGREGATES SHALL CONFORM TO ASTM C33.
7. CONCRETE SLUMP RANGE: 4" MIN. – 6" MAX.
8. PROVIDE AIR ENTRAINMENT BETWEEN 4% AND 6%.
9. MOIST CURE CONCRETE WITH MOISTURE PROTECTIVE COVER FOR A MINIMUM OF 7 DAYS.
10. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE.
11. TIE ALL REINFORCING STEEL AND EMBEDMENTS SECURELY IN PLACE PRIOR TO PLACING CONCRETE. PROVIDE SUFFICIENT SUPPORTS TO MAINTAIN THE POSITION OF REINFORCEMENT WITHIN SPECIFIED TOLERANCES DURING ALL CONSTRUCTION ACTIVITIES. "STICKING" DOWELS INTO WET CONCRETE IS NOT PERMITTED.
12. REINFORCING STEEL SHALL HAVE THE FOLLOWING CONCRETE COVER UNLESS NOTED OTHERWISE:
- | | |
|---|----|
| CONCRETE CAST AGAINST EARTH (NOT FORMED): | 3" |
| FORMED CONCRETE EXPOSED TO EARTH OR WEATHER | |
| #6 BARS THROUGH #12 BARS | 2" |
| #5 BARS AND SMALLER | 2" |
| CONCRETE NOT EXPOSED TO EARTH OR WEATHER | |
| SLABS AND WALLS | 1" |
13. DO NOT WELD OR TACK WELD REINFORCING STEEL UNLESS APPROVED OR DIRECTED BY THE STRUCTURAL ENGINEER.
14. FOUNDATIONS HAVE BEEN SIZED FOR AN ALLOWABLE SOIL BEARING PRESSURE OF 1500 PSF. IF SITE CONDITIONS DIFFER FROM THOSE ASSUMED DURING THE DESIGN PROCESS, CONTACT ENGINEER IMMEDIATELY.

PI-TECH, INC.

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NEW BALCONY PLAN & ELEVATIONS
BALCONY REPLACEMENT AT 1935 SAN MARCO BLVD.

JACKSONVILLE, FL
FOR
SOUTHEASTERN ORNAMENTAL IRON CO.
JACKSONVILLE, FL

REVISIONS

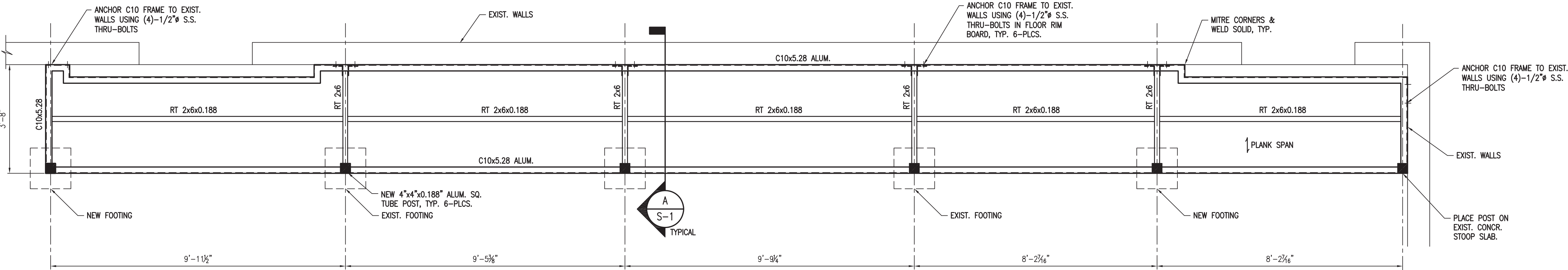
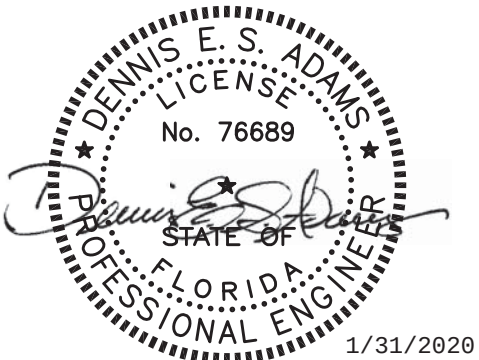
DRWN BY: TMB

CHECKED BY: DESA

DATE: JANUARY 31, 2020

SHEET NO.

S-1
SHEET 1 OF 1

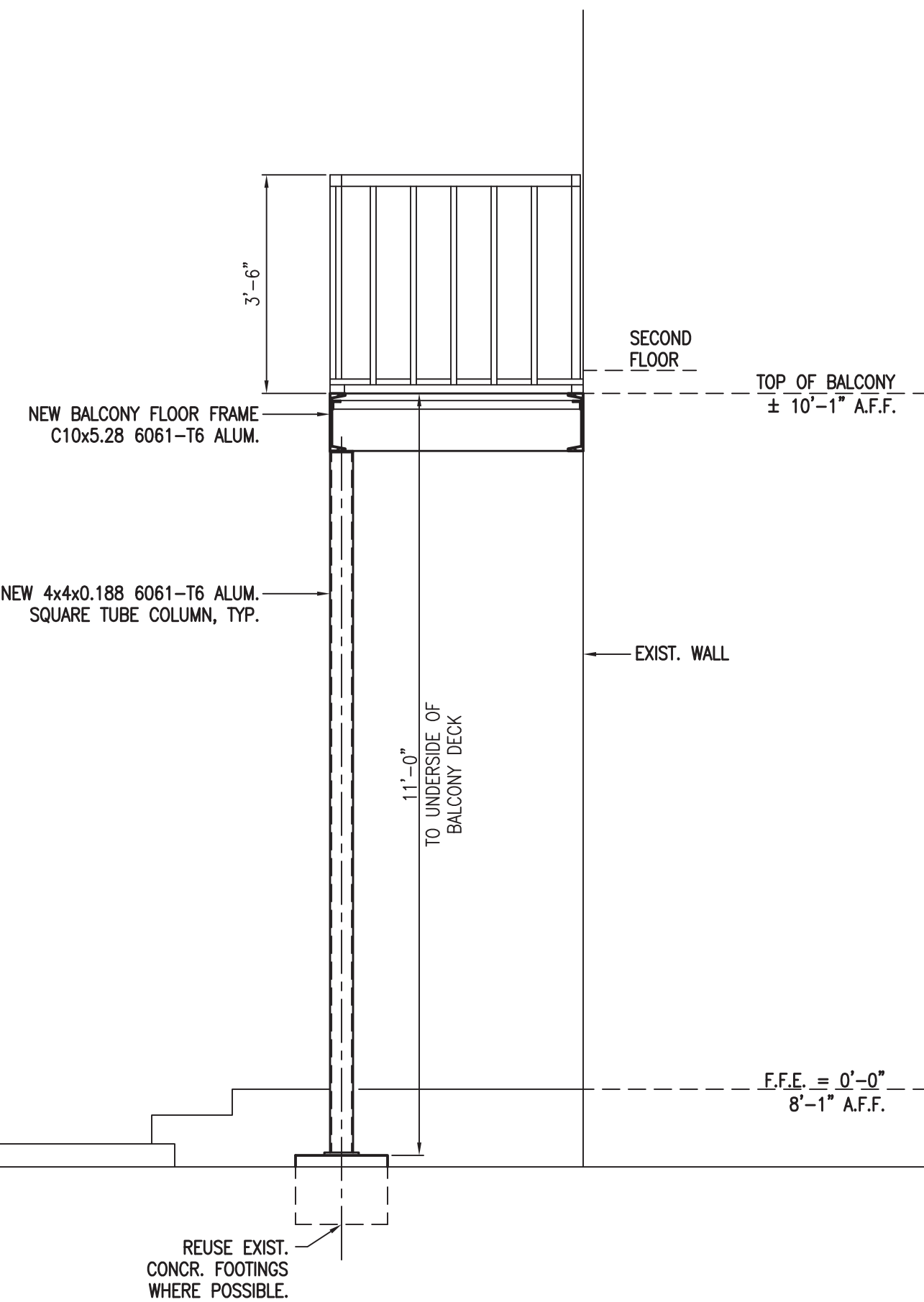


NEW BALCONY PLAN VIEW

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

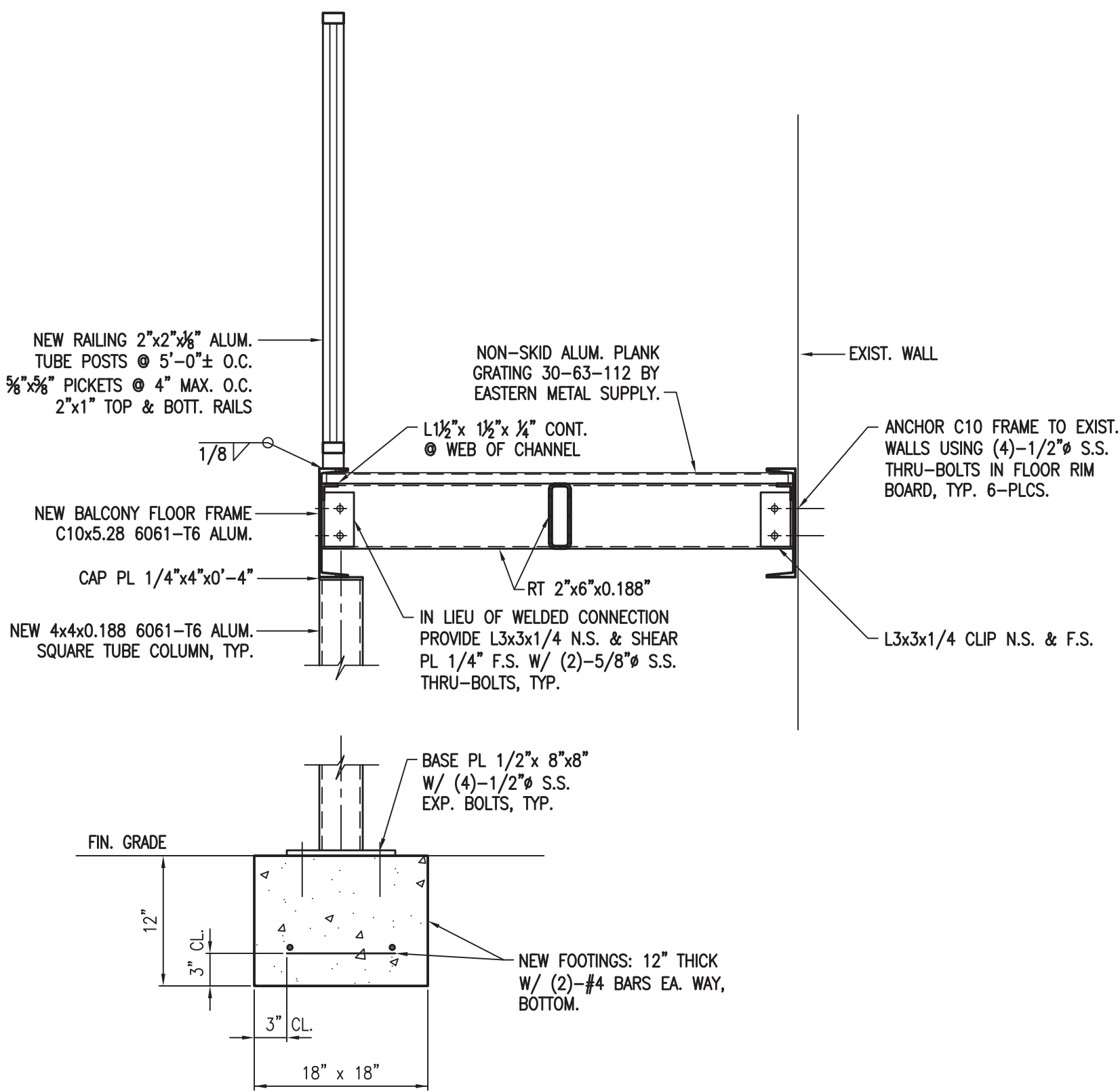
ALL MATERIAL 6061-T6 ALUMINUM, U.N.O.

NOTE: REF. ARCHITECTURAL PLANS FOR EXISTING CONDITIONS & LOCATION OF BALCONY TO BE REPLACED.



SECTION AT BALCONY

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



TYPICAL BALCONY SECTION

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

ALL MATERIAL 6061-T6 ALUMINUM, U.N.O.

ALL CONNECTIONS 3/16" FILLET WELD SOLID, U.N.O.