1 3/4" STANDARD METAL PIPE HANDRAIL W/ 1 3/4" STANDARD PIPE NEWELS @ 4'-0" O.C. - SLEEVE CONCRETE CURB 8" DEEP TO RECEIVE POSTS (PAINT)

NOTE: RISERS TO BE OF EQUAL HEIGHT AND NUMBER TO BE FIELD VERIFIED. TREADS (X) TO BE OF EQUAL WIDTH AND NUMBER TO BE FIELD VERIFIED.

EXISTING GUARD & 4" EXTENSION
GUARD 42" ABOVE WALKING GRADE MAY BE REQUIRED IN AREAS EXCEEDING 30" DROP ADJACENT TO STAIRS; SEE GRADING AND SITE PLANS

ADDED HANDRAIL 1/2" PLAIN BAR @ EACH VERTICAL & 1 1/4" SCH.40 RAIL

NOTE: PLACE SLEEVE 3" MIN. FROM EDGE OF THICKENED SLAB ANY DIRECTION

4" MIN. AGG. BASE OVER COMPACTED EARTH

3/8" EXPANSION JOINT W/ JOINT SEALANT (TYP.)

RETURN TOP HANDRAIL EXTENSION TO GUARD RAIL SUPPORT

4'-0" MAX. O.C.

3'-0"

4'-0" MIN. - 7" MAX. TYP.

1/2" RADIUS @ ALL HANDRAIL CORNERS MIN.

NOTE: ANY VARIANCES MUST BE APPROVED BY FACILITIES SERVICES PRIOR TO CORE 8" DEEP MIN. START OF WORK. CONTRACTOR TO RECEIVE POSTS SHALL COMPLY WITH ALL CODES.

NOTES:
1. HANDRAILS ARE REQUIRED AT ALL CONC. STEPS, EACH SIDE.
2. STEPS AND HANDRAILS SHALL MEET 2012 IBC AND UNR STANDARDS.
3. WHEN A WALKING SURFACE IS GREATER THAN 30" TO ADJACENT SURFACES - A GUARD SYSTEM IS REQUIRED (REFER TO SECTION 1013 GUARDS 2012 IBC).
4. FOR GUARD HEIGHT AND GUARD OPENING LIMITATIONS REFER TO SECTION 1013 GUARDS 2012 IBC.
5. HANDRAILS, BOTH INTERIOR AND EXTERIOR WILL BE PAINTED BRONZE TO MATCH THE MEDIUM, BRONZE ALUMINUM WINDOW AND DOOR FRAMES. STAIR CONTRACTOR TO PRIME STEEL PRIOR TO DELIVERY TO JOB SITE. (REFER TO SECTION 1012 HANDRAILS 2012 IBC).
6. ANY CORING INTO EXISTING STRUCTURES REQUIRE PRIOR APPROVAL FROM FACILITIES SERVICES DEPARTMENT.
7. SPACING AND LOCATIONS OF HANDRAILS AND BRACKETS TO BE REVIEWED ON SHOP DRAWING SUBMITTALS BY FACILITIES SERVICES DEPT. BEFORE START OF WORK.
8. CONCRETE TO BE RATED AT 4000 P.S.I. WITH FIBER REINFORCING.
9. CLEARANCE BETWEEN HANDRAIL GRIPPING SURFACE AND ADJACENT SURFACES SHALL BE A MINIMUM OF 1 1/2" INCHES.
10. THE TOLERANCE BETWEEN THE LARGEST & SMALLEST RISER HEIGHT OR TREAD DEPTH SHALL NOT EXCEED 3/8" IN ANY FLIGHT OF STAIRS.

UNIVERSITY OF NEVADA, RENO
TYPICAL EXTERIOR STAIRS

REVISED 5/30/2018
DRAWING NUMBER 055213