### 3. REINFORCING BAR DEVELOPMENT AND SPlice LENGTH TABLES

<table>
<thead>
<tr>
<th>TABLE</th>
<th>EMBEDMENT LENGTH</th>
<th>BARS</th>
<th>MATERIAL</th>
<th>ACCEPTABLE BARS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>f'c = 3,000 PSI</td>
<td>1</td>
<td>ASTM A36</td>
<td>3, 4, 5, 6</td>
</tr>
<tr>
<td>2</td>
<td>f'c = 8,000 PSI</td>
<td>1</td>
<td>ASTM A572</td>
<td>3, 4, 5, 6</td>
</tr>
<tr>
<td>3</td>
<td>f'c = 9,000 PSI</td>
<td>1</td>
<td>ASTM A572</td>
<td>3, 4, 5, 6</td>
</tr>
</tbody>
</table>

### 4. STANDARD HOOKS AND EMBEDMENT

- **1.** Above values are for ALL bars if:
  - Size 3.000 PSI
  - Size 8,000 PSI

- **2.** Bar embedment shall conform to the following:
  - Size 3.000 PSI
  - Size 8,000 PSI

- **3.** For Epoxy coated hooks, increase the above embedment lengths by 20%.

- **4.** The embedment and splice lengths are based on reinforcement strengths and hook types, and may vary depending on the hook type and the material used.

- **5.** For hooks in lightweight concrete, increase the above embedment lengths by 10%.

- **6.** The embedment and splice lengths shall be the larger of the two values calculated above.

### GENERAL NOTES FOR STEEL CONNECTIONS

- **A1.** Above values are for ALL bars if:
  - Size 3.000 PSI
  - Size 8,000 PSI

- **B1.** Bar embedment shall conform to the following:
  - Size 3.000 PSI
  - Size 8,000 PSI

- **C1.** For Epoxy coated hooks, increase the above embedment lengths by 20%.

- **D1.** The embedment and splice lengths are based on reinforcement strengths and hook types, and may vary depending on the hook type and the material used.

- **E1.** For hooks in lightweight concrete, increase the above embedment lengths by 10%.

- **F1.** The embedment and splice lengths shall be the larger of the two values calculated above.

### Additional Information

- **20.** Section

- **A1.** Above values are for ALL bars if:
  - Size 3.000 PSI
  - Size 8,000 PSI

- **B1.** Bar embedment shall conform to the following:
  - Size 3.000 PSI
  - Size 8,000 PSI

- **C1.** For Epoxy coated hooks, increase the above embedment lengths by 20%.

- **D1.** The embedment and splice lengths are based on reinforcement strengths and hook types, and may vary depending on the hook type and the material used.

- **E1.** For hooks in lightweight concrete, increase the above embedment lengths by 10%.

- **F1.** The embedment and splice lengths shall be the larger of the two values calculated above.
A. CIRCUITS AND FEEDER CONDUCTORS IN THEIR ENTIRETY BACK TO THEIR POINT OF ORIGIN UNLESS OTHERWISE INDICATED.

B. APPROXIMATE. FIELD VERIFY DEVICES AND LOCATIONS.

C. TO REMAIN CEILING, FLOORS, WALLS AND PANELS.

D. CONSTRUCTION AND MAY NOT BE DELINEATED ON THIS DRAWING. CAREFULLY COORDINATE DEMOLITION WITH NEW CONSTRUCTION (PARTITION AND REFLECTED CEILING) PLANS TO VERIFY ACTUAL EXTENT OF DEMOLITION.

E. WITH THE DEMOLITION REQUIRED BY OTHER TRADES. PERFORM RELOCATION REQUIRED TO FACILITATE THE DEMOLITION WORK OF OTHER TRADES, WHETHER OR NOT SPECIFICALLY INDICATED.

F. COSTS IN BID. HANDLE ALL MATERIALS IN ACCORDANCE WITH LEED REQUIREMENTS, ALL FEDERAL, STATE, AND LOCAL REGULATIONS.

G. BUT EXISTING WALLS REMAIN INTACT.

H. REMOVE EXISTING ELECTRICAL DEVICES, EQUIPMENT, BRANCH QUANTITY AND LOCATION OF DEVICES SHOWN ON PLANS ARE DRAWN BY:

I. PROVIDE CODE PROTECT EXISTING

J. WITH THE DEMOLITION REQUIRED BY OTHER TRADES. PERFORM RELOCATION REQUIRED TO FACILITATE THE DEMOLITION WORK OF OTHER TRADES, WHETHER OR NOT SPECIFICALLY INDICATED.

K. DEVICES THAT ARE TO REMAIN. EXTEND CONDUIT AND WIRE AS REQUIRED WHERE DEMOLITION WORK AFFECTS ELECTRICAL SERVICE TO DOWNSTREAM DEVICES THAT ARE TO REMAIN.

L. SUPPORTED CONDUITS AND BOXES WHERE CEILINGS ARE TO BE REMOVED. REMOVE JUNCTION BOXES AS REQUIRED TO FACILITATE INSTALLATION OF NEW EQUIPMENT AND SYSTEMS IN CEILING SPACES.

M. TERMINAL 4 APRON

N. SHEET KEYNOTES:

O. OBLIGATIONS OF YOUR CONTRACT WITH THE CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-28, SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE

P. REMOVE TAXIWAY LIGHT LOCATED ALONG TAXIWAY DELTA; CLEAN AND RETURN FIXTURE TO OWNER. AT REMAINING LIGHT FIXTURE LOCATIONS, SECURE, CAP AND LABEL EXISTING FEEDERS. PROVIDE STRUCTURAL STEEL AIRCRAFT RATED COVER PLATES AT EACH LOCATION AND STANDARDS. REFER TO CITY OF PHOENIX DESIGN MANUALSECTION 2-5.19 "UNDERGROUND PULL BOXES AND MANHOLES". NO ADDED LOAD.

Q. APRON LIGHT FIXTURE SCHEDULE

R. TYPE DESCRIPTION MANUFACTURER MODEL MANUFACTURE R (OPTION 1) MODEL (OPTION 1) MANUFACTURE (OPTION 2) MODEL (OPTION 2) LOAD WATTS/FT LAMP V OLTAGE MOUNTING COMMENTS TYPE

S. SURFACE MOUNTED SOLAR POWER AIRFIELD CARMANAH A650 AIRPORT LIGHTING COMPANY A650 AIRPORT LIGHTING COMPANY OL4 5 VA 277 V VERIFY COLOR REQUIRED AS

T. GRAPHIC SCALE: 1" = 40'