

| SUPPORT NO. | ARM | MIN CLEARANCE FROM PAVEMENT TO BOTTOM OF SIGNAL HEAD | MAX CLEARANCE FROM PAVEMENT TO BOTTOM OF SIGNAL HEAD | FOUNDATION ELEVATION AT GROUND LEVEL | DISTANCE FROM GROUND TO FOUNDATION | ELEVATION B TOP OF FOUNDATION | RISE ANGLE WITH HORIZONTAL ARM TIP | SIGNAL HEADS CENTERED ON WHICH COLOR? | SIGNAL NO. | SIGNAL HEAD TYPE<br>(12 IN. SECTIONS WITH BACKPLATES) | DISTANCE FROM BOTTOM OF SIGNAL HEAD TO CENTER OF MAST ARM (TEM 497-6) | SIGNAL HEAD DISTANCE FROM SUPPORT POLE | ELEVATION A PAVEMENT ELEVATION UNDER SIGNAL HEAD OR SIGN | MINIMUM HEIGHT (FOUNDATION TO MAST ARM) | MAXIMUM HEIGHT (FOUNDATION TO MAST ARM) | MINIMUM ALLOWABLE HEIGHT (FOUNDATION TO MAST ARM) | MAXIMUM ALLOWABLE HEIGHT (FOUNDATION TO MAST ARM) | FINAL ATTACHMENT ARM HEIGHT (FOUNDATION TO MAST ARM) | DOES MAST ARM HAVE POLE EXTENSION? ^ | HEIGHT FROM MAST ARM TO TOP OF POLE | SUGGESTED POLE HEIGHT | POLE HEIGHT WITH 10' EXTENSION |
|-------------|-----|------------------------------------------------------|------------------------------------------------------|--------------------------------------|------------------------------------|-------------------------------|------------------------------------|---------------------------------------|------------|-------------------------------------------------------|-----------------------------------------------------------------------|----------------------------------------|----------------------------------------------------------|-----------------------------------------|-----------------------------------------|---------------------------------------------------|---------------------------------------------------|------------------------------------------------------|--------------------------------------|-------------------------------------|-----------------------|--------------------------------|
|             |     | FT                                                   | FT                                                   | FT                                   | IN                                 | FT                            | DEGREE                             |                                       |            |                                                       | FT                                                                    | FT                                     | FT                                                       | FT                                      | FT                                      | FT                                                | FT                                                | FT                                                   |                                      | FT                                  | FT                    | FT                             |
| SP-1        | A   | 17                                                   | 19                                                   | 1                                    | 0                                  | 1.00                          | 0                                  | YELLOW                                | 6B         | PHB                                                   | 1.625                                                                 | 4.5                                    | 0.50                                                     | 18.13                                   | 20.13                                   | 18.1                                              | 20.1                                              | 18.5                                                 | NO                                   | 1.5                                 | 20                    | N/A                            |
|             |     |                                                      |                                                      |                                      |                                    |                               |                                    |                                       | 6A         | PHB                                                   | 1.625                                                                 | 18                                     | 0.50                                                     | 18.13                                   | 20.13                                   |                                                   |                                                   |                                                      |                                      |                                     |                       |                                |
|             |     |                                                      |                                                      |                                      |                                    |                               |                                    |                                       | 2A         | PHB                                                   | 1.625                                                                 | 22                                     | 0.50                                                     | 18.13                                   | 20.13                                   |                                                   |                                                   |                                                      |                                      |                                     |                       |                                |
|             |     |                                                      |                                                      |                                      |                                    |                               |                                    |                                       | 2B         | PHB                                                   | 1.625                                                                 | 35                                     | 0.50                                                     | 18.13                                   | 20.13                                   |                                                   |                                                   |                                                      |                                      |                                     |                       |                                |
|             |     |                                                      |                                                      |                                      |                                    |                               |                                    |                                       | -          | -                                                     | -                                                                     | -                                      | -                                                        | -                                       | -                                       |                                                   |                                                   |                                                      |                                      |                                     |                       |                                |
|             |     |                                                      |                                                      |                                      |                                    |                               |                                    |                                       | -          | -                                                     | -                                                                     | -                                      | -                                                        | -                                       | -                                       |                                                   |                                                   |                                                      |                                      |                                     |                       |                                |
|             |     |                                                      |                                                      |                                      |                                    |                               |                                    |                                       | -          | -                                                     | -                                                                     | -                                      | -                                                        | -                                       | -                                       |                                                   |                                                   |                                                      |                                      |                                     |                       |                                |
|             |     |                                                      |                                                      |                                      |                                    |                               |                                    |                                       | -          | -                                                     | -                                                                     | -                                      | -                                                        | -                                       | -                                       |                                                   |                                                   |                                                      |                                      |                                     |                       |                                |
| -           | -   | 17                                                   | 19                                                   | -                                    | -                                  | -                             | -                                  | -                                     | -          | -                                                     | -                                                                     | -                                      | -                                                        | -                                       | -                                       | -                                                 | -                                                 | -                                                    | -                                    | -                                   | -                     | -                              |
|             |     |                                                      |                                                      |                                      |                                    |                               |                                    |                                       | -          | -                                                     | -                                                                     | -                                      | -                                                        | -                                       | -                                       |                                                   |                                                   |                                                      |                                      |                                     |                       |                                |
|             |     |                                                      |                                                      |                                      |                                    |                               |                                    |                                       | -          | -                                                     | -                                                                     | -                                      | -                                                        | -                                       | -                                       |                                                   |                                                   |                                                      |                                      |                                     |                       |                                |
|             |     |                                                      |                                                      |                                      |                                    |                               |                                    |                                       | -          | -                                                     | -                                                                     | -                                      | -                                                        | -                                       | -                                       |                                                   |                                                   |                                                      |                                      |                                     |                       |                                |
|             |     |                                                      |                                                      |                                      |                                    |                               |                                    |                                       | -          | -                                                     | -                                                                     | -                                      | -                                                        | -                                       | -                                       |                                                   |                                                   |                                                      |                                      |                                     |                       |                                |
| -           | -   | 17                                                   | 19                                                   | -                                    | -                                  | -                             | -                                  | -                                     | -          | -                                                     | -                                                                     | -                                      | -                                                        | -                                       | -                                       | -                                                 | -                                                 | -                                                    | -                                    | -                                   | -                     | -                              |
|             |     |                                                      |                                                      |                                      |                                    |                               |                                    |                                       | -          | -                                                     | -                                                                     | -                                      | -                                                        | -                                       | -                                       |                                                   |                                                   |                                                      |                                      |                                     |                       |                                |
|             |     |                                                      |                                                      |                                      |                                    |                               |                                    |                                       | -          | -                                                     | -                                                                     | -                                      | -                                                        | -                                       | -                                       |                                                   |                                                   |                                                      |                                      |                                     |                       |                                |
|             |     |                                                      |                                                      |                                      |                                    |                               |                                    |                                       | -          | -                                                     | -                                                                     | -                                      | -                                                        | -                                       | -                                       |                                                   |                                                   |                                                      |                                      |                                     |                       |                                |
|             |     |                                                      |                                                      |                                      |                                    |                               |                                    |                                       | -          | -                                                     | -                                                                     | -                                      | -                                                        | -                                       | -                                       |                                                   |                                                   |                                                      |                                      |                                     |                       |                                |
| -           | -   | 17                                                   | 19                                                   | -                                    | -                                  | -                             | -                                  | -                                     | -          | -                                                     | -                                                                     | -                                      | -                                                        | -                                       | -                                       | -                                                 | -                                                 | -                                                    | -                                    | -                                   | -                     | -                              |
|             |     |                                                      |                                                      |                                      |                                    |                               |                                    |                                       | -          | -                                                     | -                                                                     | -                                      | -                                                        | -                                       | -                                       |                                                   |                                                   |                                                      |                                      |                                     |                       |                                |
|             |     |                                                      |                                                      |                                      |                                    |                               |                                    |                                       | -          | -                                                     | -                                                                     | -                                      | -                                                        | -                                       | -                                       |                                                   |                                                   |                                                      |                                      |                                     |                       |                                |
|             |     |                                                      |                                                      |                                      |                                    |                               |                                    |                                       | -          | -                                                     | -                                                                     | -                                      | -                                                        | -                                       | -                                       |                                                   |                                                   |                                                      |                                      |                                     |                       |                                |
|             |     |                                                      |                                                      |                                      |                                    |                               |                                    |                                       | -          | -                                                     | -                                                                     | -                                      | -                                                        | -                                       | -                                       |                                                   |                                                   |                                                      |                                      |                                     |                       |                                |

^ With typical extension, 5' is calculated, as per SCD TC-81.22.  
Note: Final Pole Height will be noted in the plans on Mast Arm Design Table

| SUPPORT NO. | ARM | NUMBER OF LUMINAIRES OR BRACKET ARMS | LUMINAIRE/ BRACKET ARM LENGTH | SIGNAL OR SIGN? | SIGNAL/ SIGN NO. | ATTACHMENT DISTANCE FROM SUPPORT POLE |      | SIGNAL HEAD TYPE (12 IN. LENS) | SIGN SIZE |    | AREA    | ATTACHMENT LENGTH * AREA | L       | DAMPER REQUIRED?<br><br>(Incidental to Support item; CM&S 632 and SCD TC-81.22) | K                     | DESIGN NO. |
|-------------|-----|--------------------------------------|-------------------------------|-----------------|------------------|---------------------------------------|------|--------------------------------|-----------|----|---------|--------------------------|---------|---------------------------------------------------------------------------------|-----------------------|------------|
|             |     |                                      | FT                            |                 |                  | NO.                                   | FT   |                                | IN        |    |         |                          | SQ. FT. |                                                                                 | TOTAL MAST ARM LENGTH |            |
|             |     |                                      |                               |                 |                  |                                       |      |                                | FT        | IN | SQ. FT. |                          |         |                                                                                 | FT                    |            |
| SP-1        | A   | 0                                    | -                             | SIGNAL          | 6B               | L1                                    | 4.5  | PHB                            | -         | -  | 6.5     | 29.3                     | 38      | NO                                                                              | 1224.25               | 4          |
|             |     |                                      |                               | SIGN            | -                | L2                                    | 11   | -                              | 24        | 30 | 5.0     | 55.0                     |         |                                                                                 |                       |            |
|             |     |                                      |                               | SIGNAL          | 6A               | L3                                    | 18   | PHB                            | -         | -  | 13.3    | 239.4                    |         |                                                                                 |                       |            |
|             |     |                                      |                               | SIGNAL          | 2A               | L4                                    | 22   | PHB                            | -         | -  | 13.3    | 292.6                    |         |                                                                                 |                       |            |
|             |     |                                      | -                             | SIGN            | -                | L5                                    | 28.5 | -                              | 24        | 30 | 5.0     | 142.5                    |         |                                                                                 |                       |            |
|             |     |                                      |                               | SIGNAL          | 2B               | L6                                    | 35   | PHB                            | -         | -  | 13.3    | 465.5                    |         |                                                                                 |                       |            |
|             |     |                                      |                               | -               | -                | L7                                    | -    | -                              | -         | -  | -       | -                        |         |                                                                                 |                       |            |
|             |     |                                      |                               | -               | -                | L8                                    | -    | -                              | -         | -  | -       | -                        |         |                                                                                 |                       |            |
| -           | -   | -                                    | -                             | -               | -                | L1                                    | -    | -                              | -         | -  | -       | -                        | -       | -                                                                               | -                     |            |
|             |     |                                      |                               | -               | -                | L2                                    | -    | -                              | -         | -  | -       |                          |         |                                                                                 |                       | -          |
|             |     |                                      |                               | -               | -                | L3                                    | -    | -                              | -         | -  | -       |                          |         |                                                                                 |                       | -          |
|             |     |                                      |                               | -               | -                | L4                                    | -    | -                              | -         | -  | -       |                          |         |                                                                                 |                       | -          |
|             |     |                                      | -                             | -               | -                | L5                                    | -    | -                              | -         | -  | -       |                          |         |                                                                                 |                       | -          |
|             |     |                                      |                               | -               | -                | L6                                    | -    | -                              | -         | -  | -       |                          |         |                                                                                 |                       | -          |
|             |     |                                      |                               | -               | -                | L7                                    | -    | -                              | -         | -  | -       |                          |         |                                                                                 |                       | -          |
|             |     |                                      |                               | -               | -                | L8                                    | -    | -                              | -         | -  | -       |                          |         |                                                                                 |                       | -          |
| -           | -   | -                                    | -                             | -               | -                | L1                                    | -    | -                              | -         | -  | -       | -                        | -       | -                                                                               | -                     |            |
|             |     |                                      |                               | -               | -                | L2                                    | -    | -                              | -         | -  | -       |                          |         |                                                                                 |                       | -          |
|             |     |                                      |                               | -               | -                | L3                                    | -    | -                              | -         | -  | -       |                          |         |                                                                                 |                       | -          |
|             |     |                                      |                               | -               | -                | L4                                    | -    | -                              | -         | -  | -       |                          |         |                                                                                 |                       | -          |
|             |     |                                      | -                             | -               | -                | L5                                    | -    | -                              | -         | -  | -       |                          |         |                                                                                 |                       | -          |
|             |     |                                      |                               | -               | -                | L6                                    | -    | -                              | -         | -  | -       |                          |         |                                                                                 |                       | -          |
|             |     |                                      |                               | -               | -                | L7                                    | -    | -                              | -         | -  | -       |                          |         |                                                                                 |                       | -          |
|             |     |                                      |                               | -               | -                | L8                                    | -    | -                              | -         | -  | -       |                          |         |                                                                                 |                       | -          |
| -           | -   | -                                    | -                             | -               | -                | L1                                    | -    | -                              | -         | -  | -       | -                        | -       | -                                                                               | -                     |            |
|             |     |                                      |                               | -               | -                | L2                                    | -    | -                              | -         | -  | -       |                          |         |                                                                                 |                       | -          |
|             |     |                                      |                               | -               | -                | L3                                    | -    | -                              | -         | -  | -       |                          |         |                                                                                 |                       | -          |
|             |     |                                      |                               | -               | -                | L4                                    | -    | -                              | -         | -  | -       |                          |         |                                                                                 |                       | -          |
|             |     |                                      | -                             | -               | -                | L5                                    | -    | -                              | -         | -  | -       |                          |         |                                                                                 |                       | -          |
|             |     |                                      |                               | -               | -                | L6                                    | -    | -                              | -         | -  | -       |                          |         |                                                                                 |                       | -          |
|             |     |                                      |                               | -               | -                | L7                                    | -    | -                              | -         | -  | -       |                          |         |                                                                                 |                       | -          |
|             |     |                                      |                               | -               | -                | L8                                    | -    | -                              | -         | -  | -       |                          |         |                                                                                 |                       | -          |

| Associated Signal Phase | Cardinal Direction | Vehicular Movement | VEHICULAR               |                                                |                                                |                                      |                                      |                                     |                            |                     |                                                  |          |       |                                         |                                         |             | PEDESTRIAN          |                  |                       |                                           |                                                      |                                                                                                                  |                                                   |                                                                                                |                                                          |                                          |                                                       |                                        |                                                                   |                                                          |     |     |
|-------------------------|--------------------|--------------------|-------------------------|------------------------------------------------|------------------------------------------------|--------------------------------------|--------------------------------------|-------------------------------------|----------------------------|---------------------|--------------------------------------------------|----------|-------|-----------------------------------------|-----------------------------------------|-------------|---------------------|------------------|-----------------------|-------------------------------------------|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------|------------------------------------------|-------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------|-----|-----|
|                         |                    |                    | FACTORS*<br>(TEM 403-2) |                                                |                                                |                                      |                                      |                                     |                            |                     | CALCULATED<br>VEHICULAR INTERVALS<br>(TEM 403-2) |          |       | FINAL VEHICULAR<br>INTERVALS            |                                         |             | Pedestrian Movement | Associated Phase | FACTORS               |                                           | 3.5 fps WALKING<br>SPEED CHECK<br>(OMUTCD 41.06 P07) |                                                                                                                  | 3.0 fps WALKING SPEED CHECK<br>(OMUTCD 41.06 P14) |                                                                                                |                                                          |                                          |                                                       |                                        | CALCULATED<br>PEDESTRIAN<br>TIMING                                |                                                          |     |     |
|                         |                    |                    | Posted Speed Limit      | Perception/ Reaction Time<br>t = 1 second typ. | Yellow Change Approach Speed<br>V <sub>Y</sub> | Red Approach Speed<br>V <sub>R</sub> | Deceleration Rate<br>a = 10 fps typ. | Length of Vehicle<br>L = 20 ft typ. | Width of Intersection<br>W | Approach Grade<br>g | Yellow<br>Y                                      | Red<br>R | Y + R | YELLOW CHANGE<br>Y = 3 - 6 seconds typ. | RED CLEARANCE<br>R = 1 - 6 seconds typ. | Final Y + R |                     |                  | Crosswalk Length<br>L | Initial WALK Interval**<br>7 seconds typ. | 3.5 fps Pedestrian Clearance Time<br>L ÷ 3.5 fps     | Initial Pedestrian Change Interval<br>(i.e. flashing DON'T WALK)<br>(3.5 fps Ped Clearance Time) - (Final Y + R) | Pushbutton Provided?                              | Distance to Pushbutton from Curb<br>(furthest of the two corners)<br>P = 6 ft if no pushbutton | 3.0 fps Pedestrian Clearance Time<br>X = (L+P) ÷ 3.0 fps | WALK + (3.5 fps Ped Clearance Time)<br>Y | Is X ≥ Y?<br>If YES, additional WALK time is required | Additional WALK Time Required<br>X - Y | WALK Interval<br>Initial WALK + Additional WALK<br>required + LPI | Pedestrian Change Interval<br>(i.e. flashing DON'T WALK) |     |     |
|                         |                    |                    |                         |                                                |                                                |                                      |                                      |                                     |                            |                     |                                                  |          |       |                                         |                                         |             |                     |                  |                       |                                           |                                                      |                                                                                                                  |                                                   |                                                                                                |                                                          |                                          |                                                       |                                        |                                                                   |                                                          | MPH | SEC |
| 1                       | -                  | -                  | -                       | 1                                              | -                                              | -                                    | 10                                   | 20                                  | -                          | -                   | -                                                | -        | -     | -                                       | -                                       | -           | -                   | -                | -                     | -                                         | -                                                    | -                                                                                                                | -                                                 | -                                                                                              | -                                                        | -                                        | -                                                     | -                                      | -                                                                 | -                                                        | -   |     |
| 2                       | NB                 | THROUGH/RT         | 25                      | 1                                              | 32                                             | 32                                   | 10                                   | 20                                  | 103                        | 0                   | 3.4                                              | 1.6      | 5.0   | 3.4                                     | 1.6                                     | 5.0         | -                   | -                | -                     | 7                                         | -                                                    | -                                                                                                                | -                                                 | -                                                                                              | -                                                        | -                                        | -                                                     | -                                      | -                                                                 | -                                                        | -   |     |
| 3                       | -                  | -                  | -                       | 1                                              | -                                              | -                                    | 10                                   | 20                                  | -                          | -                   | -                                                | -        | -     | -                                       | -                                       | -           | -                   | -                | -                     | -                                         | -                                                    | -                                                                                                                | -                                                 | -                                                                                              | -                                                        | -                                        | -                                                     | -                                      | -                                                                 | -                                                        | -   |     |
| 4                       | EB                 | THROUGH/RT         | 25                      | 1                                              | 32                                             | 32                                   | 10                                   | 20                                  | 103                        | 0                   | 3.4                                              | 1.6      | 5.0   | 3.4                                     | 1.6                                     | 5.0         | WB                  | 4                | 45                    | 7                                         | 12.9                                                 | 7.9                                                                                                              | YES                                               | 12                                                                                             | 19.0                                                     | 19.9                                     | NO                                                    | N/A                                    | 7                                                                 | 8                                                        |     |     |
| 5                       | -                  | -                  | -                       | 1                                              | -                                              | -                                    | 10                                   | 20                                  | -                          | -                   | -                                                | -        | -     | -                                       | -                                       | -           | -                   | -                | -                     | -                                         | -                                                    | -                                                                                                                | -                                                 | -                                                                                              | -                                                        | -                                        | -                                                     | -                                      | -                                                                 | -                                                        | -   |     |
| 6                       | SB                 | THROUGH/RT         | 25                      | 1                                              | 32                                             | 32                                   | 10                                   | 20                                  | 103                        | 0                   | 3.4                                              | 1.6      | 5.0   | 3.4                                     | 1.6                                     | 5.0         | -                   | -                | -                     | 7                                         | -                                                    | -                                                                                                                | -                                                 | -                                                                                              | -                                                        | -                                        | -                                                     | -                                      | -                                                                 | -                                                        | -   | -   |
| 7                       | -                  | -                  | -                       | 1                                              | -                                              | -                                    | 10                                   | 20                                  | -                          | -                   | -                                                | -        | -     | -                                       | -                                       | -           | -                   | -                | -                     | -                                         | -                                                    | -                                                                                                                | -                                                 | -                                                                                              | -                                                        | -                                        | -                                                     | -                                      | -                                                                 | -                                                        | -   |     |
| 8                       | WB                 | THROUGH/RT         | 25                      | 1                                              | 32                                             | 32                                   | 10                                   | 20                                  | 103                        | 0                   | 3.4                                              | 1.6      | 5.0   | 3.4                                     | 1.6                                     | 5.0         | -                   | -                | -                     | 7                                         | -                                                    | -                                                                                                                | -                                                 | -                                                                                              | -                                                        | -                                        | -                                                     | -                                      | -                                                                 | -                                                        | -   | -   |

| CONDUIT |      |            |                       |                 |             |                 | CABLE AND WIRE |                           |                       |                      |                    |                             | IS [A] LESS THAN 0.25C? | FINAL CONDUIT NOMINAL DIAMETER |
|---------|------|------------|-----------------------|-----------------|-------------|-----------------|----------------|---------------------------|-----------------------|----------------------|--------------------|-----------------------------|-------------------------|--------------------------------|
| FROM    | TO   | RUN LENGTH | SIZE/NOMINAL DIAMETER | INSIDE DIAMETER | C           | 0.25C           | CABLE USE      | SPECIFICATION OR MATERIAL | NO. OF CONDUCTORS AWG | NO. CABLES OR WIRES* | a                  | [A]                         |                         |                                |
|         |      |            |                       |                 | INSIDE AREA | 25% INSIDE AREA |                |                           |                       |                      | CROSS SECTION AREA | COMBINED CROSS SECTION AREA |                         |                                |
|         |      |            |                       |                 | SQ. IN.     | SQ. IN.         |                |                           |                       |                      | SQ. IN.            | SQ. IN.                     |                         |                                |
| PS-1    | PB-2 | 13         | 2                     | 2.067           | 3.36        | 0.84            | SIGNALS        | IMSA 19-1 OR 20-1         | 5/C # 14              | 1                    | 0.19               | 0.29                        | YES                     | 2                              |
|         |      |            |                       |                 |             |                 | SIGNALS        | IMSA 19-1 OR 20-1         | 2/C # 14              | 1                    | 0.1                |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
| PB-2    | PB-1 | 44         | 3                     | 3.068           | 7.38        | 1.85            | SIGNALS        | IMSA 19-1 OR 20-1         | 2/C # 14              | 1                    | 0.1                | 0.29                        | YES                     | 3                              |
|         |      |            |                       |                 |             |                 | SIGNALS        | IMSA 19-1 OR 20-1         | 5/C # 14              | 1                    | 0.19               |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
| PB-1    | SP-1 | 15         | 3                     | 3.068           | 7.38        | 1.85            | SIGNALS        | IMSA 19-1 OR 20-1         | 2/C # 14              | 1                    | 0.1                | 0.29                        | YES                     | 3                              |
|         |      |            |                       |                 |             |                 | SIGNALS        | IMSA 19-1 OR 20-1         | 5/C # 14              | 1                    | 0.19               |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |
|         |      |            |                       |                 |             |                 | -              | -                         | -                     | -                    | -                  |                             |                         |                                |

\* NOTE: INCLUDE GROUNDING CONDUCTOR IN WIRE COUNT FOR LIGHTING CIRCUITS OF NOTATION "WITH GROUND."