USER: SIECAW
DATE: Friday, March 17, 2006
DGN: ...\standard\2006\lsp88.dgn

| CITY OF LINCOLN NEBRASKA | CITY PROJECT NO. | SHEET NO. |
|---|---|---|
| | LSP | 1 |
| | Date: 03-2005 | Drawn: CAW |
| | Scale NONE | Checked: |
| | | Approved: |

## SPAN WIRE LOADING NOTES:

SPAN WIRE SHALL BE INSTALLED WITH 5% SAG, UNDER DEAD LOAD, AND SHALL BE ADJUSTED ON THE POLES TO PROVIDE THE PROPER MOUNTING HEIGHT INDICATED. FOR INSTALLATION OF A SINGLE SPAN (INLINE) OR WHERE POLE CLAMP POSITIONS VARY BY MORE THAN SIX INCHES (6") A TWO PIECE 180 DEGREE SEPARATION CLAMP SHALL BE USED. WHERE THE POLE CLAMP POSITIONS ARE WITHIN THE SIX INCH (6") VALUE A FOUR-PIECE 90 DEGREE SEPARATION CLAMP SHALL BE USED.

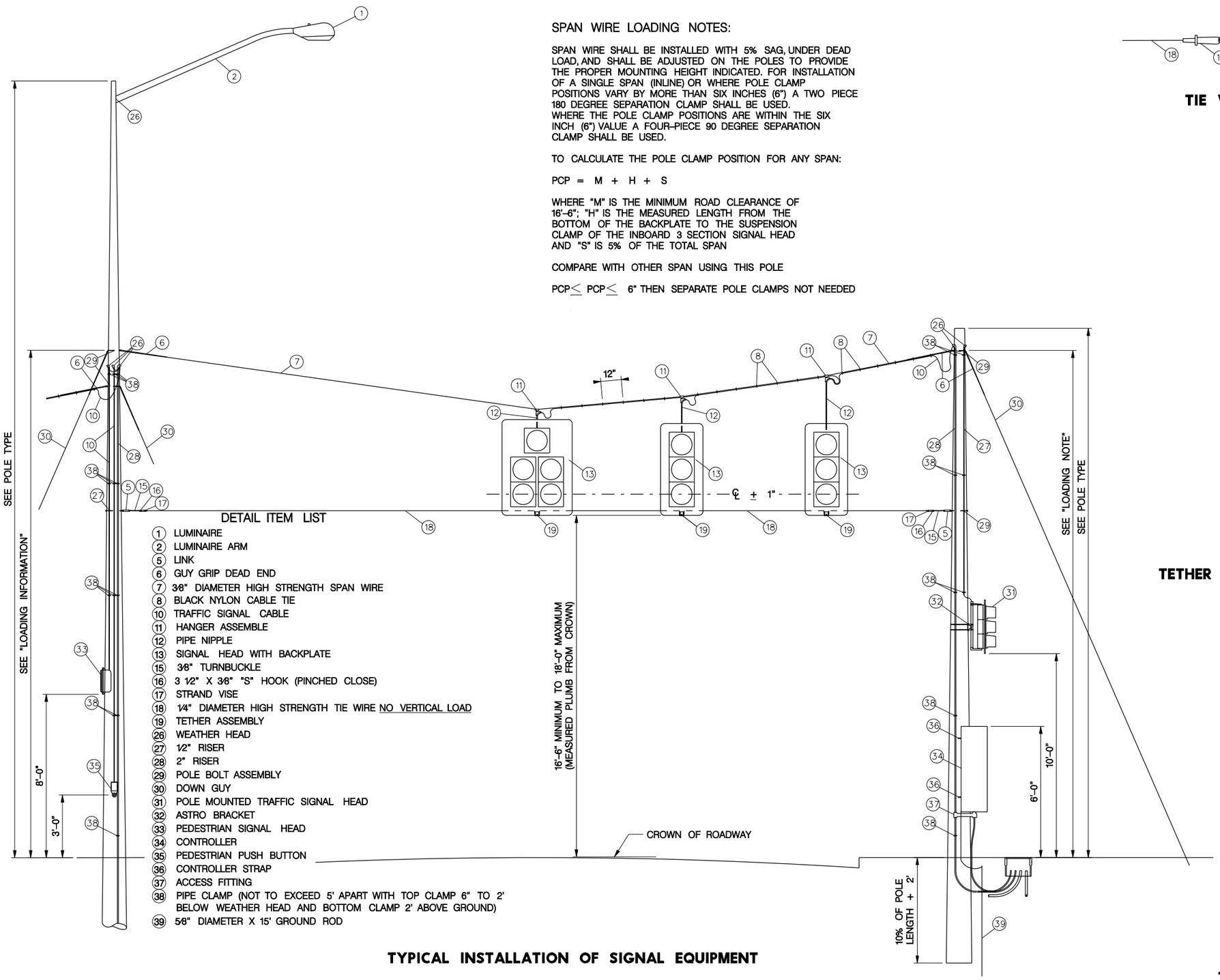
TO CALCULATE THE POLE CLAMP POSITION FOR ANY SPAN:

PCP = M + H + S

WHERE "M" IS THE MINIMUM ROAD CLEARANCE OF 16'-6"; "H" IS THE MEASURED LENGTH FROM THE BOTTOM OF THE BACKPLATE TO THE SUSPENSION CLAMP OF THE INBOARD 3 SECTION SIGNAL HEAD AND "S" IS 5% OF THE TOTAL SPAN

COMPARE WITH OTHER SPAN USING THIS POLE

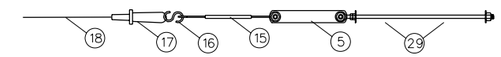
PCP $\leq$ PCP $\leq$ 6" THEN SEPARATE POLE CLAMPS NOT NEEDED



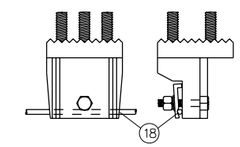

### DETAIL ITEM LIST

1. LUMINAIRE
2. LUMINAIRE ARM
5. LINK
6. GUY GRIP DEAD END
7. 3/8" DIAMETER HIGH STRENGTH SPAN WIRE
8. BLACK NYLON CABLE TIE
10. TRAFFIC SIGNAL CABLE
11. HANGER ASSEMBLE
12. PIPE NIPPLE
13. SIGNAL HEAD WITH BACKPLATE
15. 3/8" TURNBUCKLE
16. 3 1/2" X 3/8" "S" HOOK (PINCHED CLOSE)
17. STRAND VISE
18. 1/4" DIAMETER HIGH STRENGTH TIE WIRE NO VERTICAL LOAD
19. TETHER ASSEMBLY
26. WEATHER HEAD
27. 1/2" RISER
28. 2" RISER
29. POLE BOLT ASSEMBLY
30. DOWN GUY
31. POLE MOUNTED TRAFFIC SIGNAL HEAD
32. ASTRO BRACKET
33. PEDESTRIAN SIGNAL HEAD
34. CONTROLLER
35. PEDESTRIAN PUSH BUTTON
36. CONTROLLER STRAP
37. ACCESS FITTING
38. PIPE CLAMP (NOT TO EXCEED 5' APART WITH TOP CLAMP 6" TO 2' BELOW WEATHER HEAD AND BOTTOM CLAMP 2' ABOVE GROUND)
39. 5/8" DIAMETER X 15' GROUND ROD

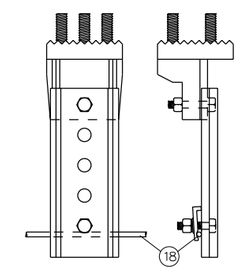
**TYPICAL INSTALLATION OF SIGNAL EQUIPMENT**




**TIE WIRE SAFETY RELEASE**




**TETHER ASSEMBLY**




**TETHER ASSEMBLY WITH EXTENTION**

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THOMAS S. SHAFER
E-10679
STATE OF NEBRASKA

**TRAFFIC SIGNAL WOOD POLE INSTALLATION**
**PLAN NO. L.S.P. 88**