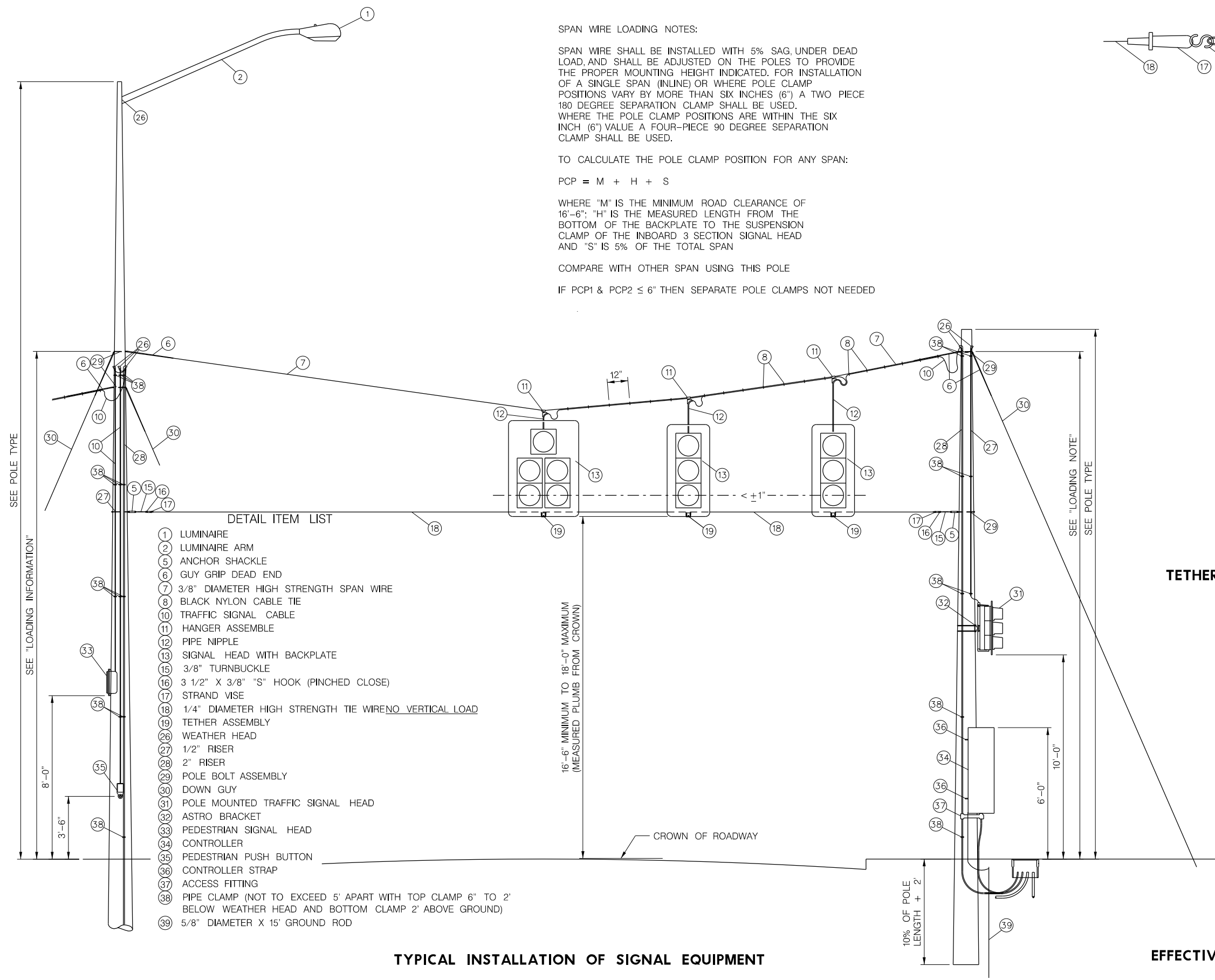


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 USER: slocaw
 DATE: 2/16/2017
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- DETAIL ITEM LIST**
- 1 LUMINAIRE
 - 2 LUMINAIRE ARM
 - 5 ANCHOR SHACKLE
 - 6 GUY GRIP DEAD END
 - 7 3/8" DIAMETER HIGH STRENGTH SPAN WIRE
 - 8 BLACK NYLON CABLE TIE
 - 10 TRAFFIC SIGNAL CABLE
 - 11 HANGER ASSEMBLY
 - 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

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.

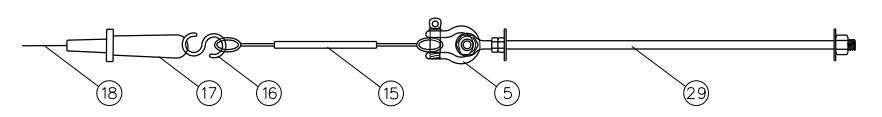
TO CALCULATE THE POLE CLAMP POSITION FOR ANY SPAN:

$$PCP = M + H + S$$

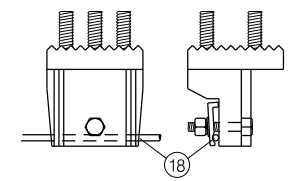
WHERE "M" IS THE MINIMUM ROAD CLEARANCE OF 16'-6"; "H" IS THE MEASURED LENGTH FROM THE BOTTOM OF THE BACKPLATE TO THE SUSPENSION CLAMP OF THE INBOARD 3 SECTION SIGNAL HEAD AND "S" IS 5% OF THE TOTAL SPAN

COMPARE WITH OTHER SPAN USING THIS POLE

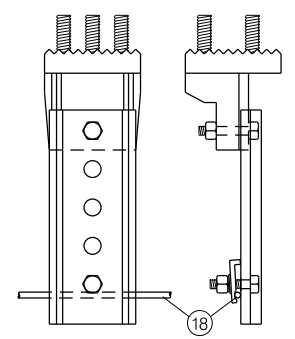
IF $PCP1 \& PCP2 \leq 6"$ THEN SEPARATE POLE CLAMPS NOT NEEDED



TIE WIRE SAFETY RELEASE



TETHER ASSEMBLY



TETHER ASSEMBLY WITH EXTENTION



EFFECTIVE DATE MARCH 22, 2017
TRAFFIC SIGNAL WOOD POLE INSTALLATION

This document was originally issued and sealed by Lonnie J. Burkland, E-10824, on 2-17-2017. This media should not be considered a certified document.