

- 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.

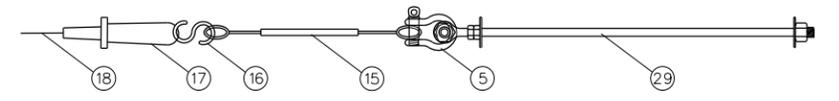
TO CALCULATE THE POLE CLAMP POSITION FOR ANY SPAN:

$$PCP = M + H + S$$

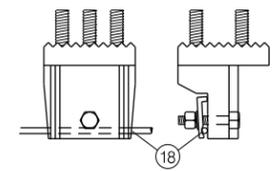
WHERE "M" IS THE MINIMUM ROAD CLEARANCE OF 16'-6"; "H" IS THE MEASURED LENGTH FROM THE BOTTOM OF THE BACKPLATE TO THE SUSPENSION CLAMP OF THE INBOARD 3 SECTION SIGNAL HEAD AND "S" IS 5% OF THE TOTAL SPAN

COMPARE WITH OTHER SPAN USING THIS POLE

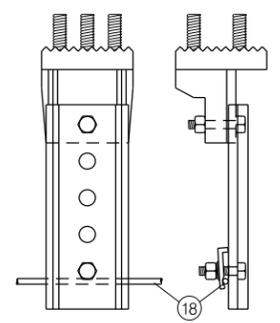
IF $PCP1 \text{ \& } PCP2 \leq 6"$ THEN SEPARATE POLE CLAMPS NOT NEEDED



TIE WIRE SAFETY RELEASE



TETHER ASSEMBLY



TETHER ASSEMBLY WITH EXTENTION

TYPICAL INSTALLATION OF SIGNAL EQUIPMENT

EFFECTIVE NOVEMBER 1, 2014
 TRAFFIC SIGNAL WOOD POLE INSTALLATION

