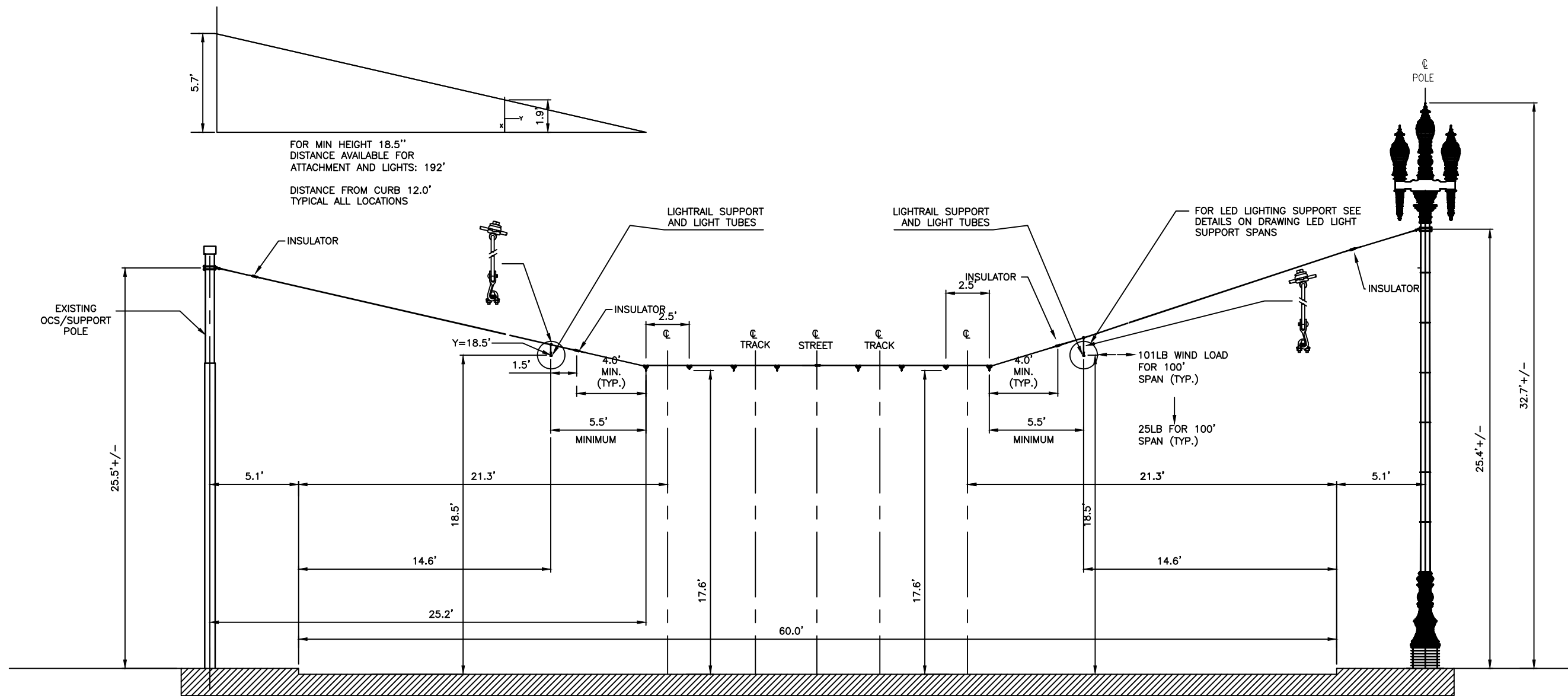


G:\PROPOSALS\BAY LIGHTS PROJECT DESIGN\6. L-OCS-003-3-REV.DWG 201119035\LIGHTRAIL (20130920)\WORKING FILE - OPTION 6\L-OCS-003-3-CPUC-REV.DWG



FOR MIN HEIGHT 18.5"
 DISTANCE AVAILABLE FOR
 ATTACHMENT AND LIGHTS: 192'
 DISTANCE FROM CURB 12.0'
 TYPICAL ALL LOCATIONS

TYPICAL EXISTING MARKET STREET CROSS SPAN ARRANGEMENT

- NOTES:**
- ALL DIMENSIONS ARE APPROXIMATE AND ARE FROM AVERAGE MEASUREMENTS TAKEN IN THE FIELD.
 - ALL DIMENSIONS MUST BE VERIFIED IN THE FIELD AND ANY MAJOR DISCREPANCIES AFFECTING LOCATION OF THE CATENARY MUST BE REPORTED TO THE ENGINEER PRIOR TO INSTALLATION.
 - WHERE CONDITIONS EXIST THAT WOULD INTERFERE WITH FIRE DEPARTMENT OPERATIONS, CONSULT WITH THE PB OCS TEAM PRIOR TO INSTALLATION TO ALLOW FOR CORRECTION OF ANY OBSTRUCTION TO FIRE DEPARTMENT OPERATIONS.
 - APPROVED BREAK-AWAY/QUICK-RELEASE SHACKLES MAY BE USED IN PAIRS TO MITIGATE POTENTIAL OBSTRUCTION TO FIRE DEPARTMENT OPERATIONS IN LOCATIONS THAT CANNOT BE CORRECTED BY MINOR RELOCATION OF THE LIGHTRAIL CATENARY.
 - WHERE BREAK-AWAY/QUICK-RELEASE SHACKLES ARE USED, THEY MUST BE INSTALLED AT POWER FEED POINT BETWEEN GROUPS OF UNIVERSES, WHERE POWER AND DATA FEED CABLES ARE FITTED WITH NON-CAPTIVE, LOW-VOLTAGE BREAK-AWAY CONNECTORS.
 - PROVIDE 4" MIN. DIAMETER HOOK RING ON EACH BREAK-AWAY WITH EXTENSION LANYARD TO PERMIT FIRE DEPARTMENT PERSONNEL TO OPERATE BREAKAWAY WITH A "HOOK STICK" NORMALLY CARRIED IN FIRE DEPARTMENT EQUIPMENT. MAXIMUM HEIGHT OF RING TO BE NOT IN EXCESS OF 13.5 FEET ABOVE FINISHED SURFACE OF STREET.
 - MUNI 600VDC FEED POINTS ARE LOCATED ON THE MARKET STREET PATH-OF-GOLD LIGHTING POLES AT MANY POINTS ALONG THE SOUTHEAST AND NORTHWEST SIDES OF MARKET STREET. ANY INSTALLATION OF SUSPENSION POINTS ON THOSE POLES MARKED AS "MUNI-DC" ON THE PLANS MUST BE SCHEDULED WITH SFMTA FOR SHUTDOWN.
 - DURING ACTIVITY ASSOCIATED WITH INSTALLATION ON PATH-OF-GOLD POLES MARKED AS "MUNI-DC" ON THE PLANS MUST BE SCHEDULED WITH SFMTA AND BE APPROVED NOT LESS THAN 48 HOURS PRIOR TO DESIRED START OF CONSTRUCTION.
 - ALL CONSTRUCTION ON MARKET STREET REQUIRING CLOSURE OF LANES TO TRAFFIC OR OBSTRUCTION TO TRAFFIC OR PEDESTRIAN ACCESS MUST BE SCHEDULED WITH THE CITY OF SAN FRANCISCO AND BE APPROVED A MINIMUM OF 48 HOURS PRIOR TO DESIRED START OF CONSTRUCTION.
 - ALL TRAFFIC CONTROL DEVICES APPLIED IN CONJUNCTION WITH THE LIGHTRAIL CONSTRUCTION PROCESS MUST BE IN COMPLIANCE WITH THE 2014 EDITION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CALIFORNIA MUTCD 2014 EDITION).
 - WHEN THE MINIMUM DIMENSION FROM THE CURB TO LIGHT RAIL SUPPORT AND LIGHT TUBES IS DETERMINED TO BE LESS THAN (12) FEET, THE SFFD SHALL BE CONSULTED AND THE AERIAL ACCESS CONDITION ADDRESSED TO THE SATISFACTION OF THE SFFD DURING INSTALLATION.
 - THE SFFD SHALL NOT BE RESPONSIBLE FOR ANY COSTS OR DAMAGES FOR THE REPAIR, REPLACEMENT, OR RE-INSTALLATION OF THE PROJECT SYSTEM OR ITS COMPONENTS THAT MAY BE AFFECTED DURING FIRE OPERATIONS.

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
J LAU
 DRAWN BY
ANG
 CHECKED BY
M HSIAO
 IN CHARGE
B NADELL
 DATE
 SDATE#

LIGHTRAIL PROJECT ELECTRICAL PLAN

MARKET ST. - CROSS SPAN

CONTRACT NO		CONTRACT #
DRAWING NO	REV	
DRAWING 003	000	
SCALE		NO SCALE
L-OCS-003-3-REV		