

ELECTRICAL SPECIFICATIONS

- 1. THE GENERAL CONDITIONS AND SUPPLEMENTARY GENERAL CONDITIONS SHALL BE CONSIDERED AS PART OF THIS SPECIFICATION.
2. CONTRACTOR SHALL VISIT SITE PRIOR TO BIDDING. BIDS SHALL SERVE AS EVIDENCE OF KNOWLEDGE OF EXISTING CONDITIONS.
3. FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND TOOLS TO PERFORM ELECTRICAL WORK SHOWN, NOTED OR SCHEDULED FOR A COMPLETE AND FINISHED INSTALLATION.
...
31. INSTALL:
A. IT IS THE INTENT THAT THE FOREGOING WORK SHALL BE COMPLETE IN EVERY RESPECT AND THAT ANY MATERIAL OR WORK NOT SPECIFICALLY MENTIONED OR SHOWN ON THE DRAWINGS, BUT NECESSARY TO FULLY COMPLETE THE WORK SHALL BE FURNISHED.
B. THE LOCATION OF OUTLETS AND EQUIPMENT SHOWN ON THE DRAWINGS IS APPROXIMATE AND THE TENANT'S REP SHALL HAVE THE RIGHT TO RELOCATE ANY OUTLETS OR FIXTURES BEFORE THEY ARE INSTALLED WITHOUT ADDITIONAL COST.

GENERAL SYMBOLS & ABBREVIATIONS

- (X) NUMBERED NOTE DESIGNATOR
4'-0" MOUNTING HEIGHT ABOVE FINISHED FLOOR OR GRADE, WIRING DEVICES - TO CENTER OF DEVICE
WALL BRACKET LIGHTING FIXTURE - TO CENTER OF OUTLET
PENDANT MOUNTED LIGHTING FIXTURES - TO BOTTOM OF FIXTURE
A AMPERES
AFF ABOVE FINISHED FLOOR
C/B CIRCUIT BREAKER
C CONDUIT
C.O. CONDUIT ONLY
E, EM EMERGENCY SERVICE
EXIST. EX. EXISTING
F.A. FIRE ALARM
G.F.I. GROUND FAULT INTERRUPTER
G GROUND
J.B. JUNCTION BOX
LTG. LIGHTING
N.T.S. NOT TO SCALE
O.C. ON CENTER
P.B. PULLBOX
TELE. TELEPHONE
UON UNLESS OTHERWISE NOTED
V VOLTS
W.H. WATER HEATER
W WATTS
W.P. WEATHERPROOF
X.M.F. TRANSFORMER

ELECTRICAL SYMBOLS

- EQUIPMENT ENCLOSURE (SURFACE - FLUSH)
PANELBOARD (SURFACE - FLUSH)
TERMINAL CABINET (SURFACE - FLUSH)
DISCONNECT SWITCH, NEMA ENCLOSURE NOTED
RUBED DISCONNECT SWITCH, NEMA ENCLOSURE NOTED
MOTOR CONNECTION
HVAC MECHANICAL EQUIPMENT REFERENCE
DISTRIBUTION PANEL, SWITCHBOARD, OR SWITCHGEAR
CIRCUIT BREAKER
SWITCH
FUSE
KILOWATT HOUR METER
TELEPHONE OUTLET AT 4'-0" UON (DENOTE ROUGH-IN REQUIREMENTS)
CONDUIT CONCEALED IN WALLS OR ABOVE CEILING
CONDUIT RUN EXPOSED
FLEXIBLE CONDUIT
CROSSMARKS DENOTE QUANTITY OF 92 PHASE & NEUTRAL WIRES ONLY IN BRANCH CIRCUIT CONDUIT. NO CROSSMARKS DENOTES TWO 92 WIRES, NUMBER ADJACENT TO CROSSMARKS DENOTES WIRE SIZE OTHER THAN 92 IN BRANCH CIRCUIT CONDUIT.
1/2" CONDUIT UP TO 4 7/8 THW OR 3 #0 THW, INCLUDES GROUND CONDUCTOR
3/4" CONDUIT UP TO 6 1/2 THW OR 6 #0 THW, INCLUDES GROUND CONDUCTOR
1" CONDUIT UP TO 7 1/2 THW OR 5 #0 THW, INCLUDES GROUND CONDUCTOR
3/4" CONDUIT UP TO 10 #0 THW, INCLUDES GROUND CONDUCTOR
HOMERUN TO PANEL WITH CIRCUITS INDICATED
NEMA 5-15R DUPLEX CONVENIENCE RECEPTACLE AT 4'-0" UON
NEMA 5-15R DOUBLE DUPLEX CONVENIENCE RECEPTACLE AT 4'-0" UON
NEMA 5-15R DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE 4'-0" UON
JUNCTION BOX (ABOVE ACCESSIBLE CEILING - SURFACE WALL)

LIGHTING SYMBOLS

- DENOTES FIXTURE TYPE. SEE LIGHT FIXTURE SCHEDULE.
LIGHTING FIXTURE, LOWER CASE LETTER DENOTES SWITCH CONTROL
SHADING DENOTES FIXTURE ON EMERGENCY LIGHTING SYSTEM
1'x4' FLUORESCENT FIXTURES
2'x4' FLUORESCENT FIXTURES
FLUORESCENT STRIPS (4 FT, 3 FT, ETC.)
DOWNLIGHTS
WALL BRACKET LIGHTS
SINGLE FACE EXIT SIGN, ARROW SIGNIFIES DIRECTIONAL ARROW
DOUBLE FACE EXIT SIGN
S SINGLE POLE WALL SWITCH, LETTER DENOTES TYPE, AT 4'-0" UON
S3 THREE-WAY SWITCH AT 4'-0" UON
S4 FOUR-WAY SWITCH AT 4'-0" AFF UON

CERTIFICATE OF COMPLIANCE - Lighting Part 1 of 2 LTG-1

PROJECT NAME: ACCURACY GUN RANGE
PROJECT ADDRESS: 7818 WILKERSON CT, SAN DIEGO
PRINCIPAL OFFICER - LIGHTING: STONE FROBERG
DOCUMENTATION AUTHOR: ENRIQUE ORTEGA
DATE OF PLANS: 5/29/94
BUILDING TYPE: NONRESIDENTIAL
PHASE OF CONSTRUCTION: NEW CONSTRUCTION
LEAD OF LIGHTING COMPLIANCE: COMPLETE BUILDING
GENERAL INFORMATION: This Certificate of Compliance lists the building features and performance specifications needed to comply with Title 24, Part 6, Chapter 1 and Title 20, Chapter 2, Subchapter 4, Article 1 of the California Code of Regulations.
LIGHTING MANDATORY MEASURES: Indicate location on plans of Note Block for Mandatory Measures: EI
INSTRUCTIONS TO APPLICANT: For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, please refer to the Nonresidential Manual published by the California Energy Commission.

LIGHTING COMPLIANCE SUMMARY LTG-2

ACTUAL LIGHTING POWER TABLE: LUMINAIRE NAME, DESCRIPTION, NUMBER OF LUMINAIRES, WATTS/LUMINAIRE (INCLUDING BALLAST), DEC. DEFAULT, TOTAL WATTS.
SUBTOTAL FROM THIS PAGE: 7,553
PLUS SUBTOTAL FROM CONTINUATION PAGE: 0
LESS CONTROL CREDIT WATTS (FROM LTG-3): 0
ADJUSTED ACTUAL WATTS: 7,553
ALLOWED LIGHTING POWER (Choose One Method): RETAIL SALES 3,150; CORRIDOR/RESTROOMS/LOUNGE 6,060; OFFICE 6,030; CLASSROOM/LAB 1,640; MACHINE SHOP/WELDING/PARTS ROOM 1,178; STORAGE 2,060

T24 MANDATORY NOTES

- Building Lighting Shut-off: The building lighting shut-off system consists of an automatic time switch, with a zone for each floor.
Override for Building Lighting Shut-off: The automatic building shut-off system is provided with a manual, accessible override switch in sight of the lights. The area of override is not to exceed 5,000 sq. ft.
Automatic Control Devices Certified: All automatic control devices specified are certified, all alternate equipment shall be certified and installed as directed by the manufacturer.
Fluorescent Ballast and Luminaires Certified: All fluorescent fixtures specified for the project are certified and listed in the Directory. All installed fixtures shall be certified.
Tandem Wiring for Two-Lamp Ballasts: All one and three lamp fluorescent fixtures are tandem wired with two (2) lamp ballast where required by Standards S 132, or
Individual Room/Area Controls: Each room and area in this building is equipped with a separate switch or occupancy sensor device for each area with floor-to-ceiling walls.
Uniform Reduction for Individual Rooms: All rooms and areas greater than 100 square feet and more than 1.2 watts per square foot of lighting load shall be controlled with Bi-level switching for uniform reduction of lighting within the room.
Daylit Area Control: All rooms with windows and skylights, that are greater than 250 square feet, and that allow for the effective use of daylight in the area shall have 50% of the lamps in each daylit area controlled by a separate switch.
Control of Exterior Lights: Exterior mounted fixtures and served from the electrical panel inside the building are controlled with a directional photo cell control on the roof and a corresponding relay in the electrical panel.
All Switching Devices are Readily Accessible

REVISIONS BY
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ELECTRICAL LEGEND NOTES - TITLE 24
ACCURACY GUN
7818 Wilkerson Ct. San Diego, CA 92123
DATE: 4-22-94
SCALE: NO SCALE
DRAWN: SLE
JOB: 13053
SHEET: 1