GENERAL LIGHTING FIXTURE SCHEDULE NOTES:

11/19/98

A. DEFINITIONS

1. APPROVALS

WHERE THE WORDS "APPROVED", "APPROVAL", "ACCEPTABLE" AND "ACCEPTANCE" ARE USED, IT SHALL BE UNDERSTOOD THAT ACCEPTANCE BY THE ARCHITECT AND ENGINEER IS INTENDED.

2. EQUAL

WHERE THE WORDS "EQUAL", "APPROVED EQUAL", "EQUAL TO", "OR EQUAL BY", "OR EQUAL" AND "EQUIVALENT" ARE USED, IT SHALL BE UNDERSTOOD THAT SUCH WORDS ARE FOLLOWED BY THE EXPRESSION "IN THE OPINION OF THE ARCHITECT AND ENGINEER".

FOR THE PURPOSE OF SPECIFYING PRODUCTS, "EQUAL" SHALL MEAN, THE SAME SIZE MADE OF THE SAME CONSTRUCTION MATERIALS WITH EQUIVALENT METHODS AND LIFE EXPECTANCY, THE SAME AESTHETIC APPEARANCE AND STYLE (WHICH INCLUDES CRAFTSMANSHIP), PHYSICAL ATTRIBUTES, COLOR AND FINISH, THE SAME PHOTOMETRIC PERFORMANCE (WHICH INCLUDES ELECTRICAL CHARACTERISTICS, VOLTAGE, LOAD, POWER FACTOR, TEMPERATURE RATING, AND OUTPUT NOISE LEVEL.

3. SUBSTITUTION

FOR THE PURPOSES OF SPECIFYING PRODUCTS "SUBSTITUTION" SHALL MEAN PROVIDING A PRODUCT THAT HAS NOT BEEN APPROVED BY THE ARCHITECT OR ENGINEER SUBSTITUTION OF THE SPECIFIED PRODUCTS IS STRICTLY PROHIBITED - UNLESS "APPROVED AS AN EQUAL" AND ISSUED AS AN ADDENDUM BY THE ARCHITECT OR ENGINEER IN ACCORDANCE WITH THE REQUIREMENTS STATED HEREIN.

4. ALTERNATIVE

FOR THE PURPOSES OF SPECIFYING PRODUCTS "ALTERNATIVES" HAVE BEEN ESTABLISHED TO ENABLE THE OWNER TO COMPARE TOTAL COSTS (WERE ALTERNATIVE MATERIALS OR METHODS MIGHT BE USED. THE PRICE SHALL BE SUBMITTED FOR THE ALTERNATIVE AS WELL AS THE SPECIFIED PRODUCT OR METHOD INCLUDING ALL NECESSARY MODIFICATIONS. APPROVAL OF AN ALTERNATIVE IS AT THE OWNER'S DISCRETION AND ONLY AFTER THAT ALTERNATIVE HAS BEEN APPROVED BY THE ARCHITECT AND ENGINEER AND IS MADE PART OF THE OWNER-CONTRACTOR AGREEMENT.

5. NO KNOWN EQUAL

FOR THE PURPOSES OF SPECIFYING PRODUCTS "NO KNOWN EQUAL" SHALL MEAN THAT THE ARCHITECT OR ENGINEER IS NOT AWARE OF AN EQUIVALENT PRODUCT.

B. THE LIGHTING FIXTURES, BALLASTS AND LAMPS FOR THIS PROJECT HAVE BEEN SPECIFIED TO INSURE THAT SPECIFIC AESTHETIC AND PERFORMANCE REQUIREMENTS WILL BE SATISFIED. THESE PRODUCTS HAVE BEEN CAREFULLY RESEARCHED AND EACH SPECIFIED ITEM HAS UNIQUE QUALITIES (WHICH WERE DETERMINED TO BE ESSENTIAL IN SATISFYING THE OWNERS, ARCHITECTS, AND ENGINEERS DESIGN CRITERIA, WHILE STILL FITTING WITHIN THE ESTABLISHED PROJECT BUDGET. IN ADDITION, THE MANUFACTURING AND SHIPPING TIME REQUIREMENTS FOR EACH OF THE SPECIFIED FIXTURES HAS BEEN VERIFIED TO FIT WITHIN THE ESTABLISHED CONSTRUCTION SCHEDULE.

C. SUBSTITUTIONS OF THE SPECIFIED PRODUCTS ARE STRICTLY PROHIBITED - UNLESS APPROVED AS STATED HEREIN. LIGHTING FIXTURE, BALLAST AND LAMP SUBSTITUTIONS SHALL BE FORMALLY PRESENTED TO THE ENGINEER BY APPOINTMENT ONLY, AT LEAST TEN (10) WORKING DAYS PRIOR TO BID TIME. THE SUBMITTAL MATERIAL SHALL INCLUDE THE FOLLOWING ITEMS.

1. A COMPLETE AND OPERATING SAMPLE, WIRED FOR 120V OPERATION, WITH LAMP, CORD AND PLUG.

2. A COMPLETE PHOTOMETRIC REPORT, FOR THE PROPOSED SUBSTITUTE PRODUCT, USING THE SPECIFIED LAMP TYPE AND WATTAGE, INCLUDING TABULATED CANDLEPOWER VALUES, COEFFICIENT OR UTILIZATION, AND AN ISO-FOOT-CANDLE DIAGRAM. PROMOTED DATA WILL NOT BE ACCEPTABLE. THE PHOTOMETRIC REPORT MUST BE DONE IN ACCORDANCE WITH PUBLISHED I.E.S. TESTING PROCEDURES AND CERTIFIED BY A REGISTERED ELECTRICAL ENGINEER.

3. A CURRENT ORIGINAL CATALOG DATA SHEET WITH LUMINAIRE CATALOG NUMBERS. MODIFIED DATA SHEETS WILL NOT BE ACCEPTABLE.

4. A SIGNED COPY OF THE "SUBSTITUTION COMPLIANCE FORM", LOCATED IN THE DIVISION 1 SPECIFICATION, STATING THAT IF THE PROPOSED SUBSTITUTION IS ACCEPTED, THE PROJECT SCHEDULE WILL NOT BE NEGATIVELY EFFECTED. IF THE COMPLETION OF THE PROJECT IS DELAYED BECAUSE OF THE APPROVED SUBSTITUTION, THE ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR PAYMENT OF ANY ESTABLISHED LIQUIDATED DAMAGES.

5. FOR SPECIFIC INTERIOR FIXTURE SUBSTITUTIONS, WHEN DIRECTED BY THE ENGINEER, A POINT-BY-POINT SCALED COMPUTER PRINTOUT SHALL BE PROVIDED VERIFYING THE ILLUMINATION LEVELS FOR THE SPECIFIC INTERIOR AREA. IF THE SUBSTITUTED FIXTURE IS AN EMERGENCY FIXTURE, THE REPORT SHALL BE RUN IN BOTH NORMAL AND EMERGENCY MODES. THIS REPORT SHALL BE CONFIGURED WITH SPECIFIC CONSTRAINTS, AS DIRECTED BY THE ENGINEER OR RECORD. THE REPORT MUST SHOW THAT THE SUBSTITUTED FIXTURE PROVIDES PERFORMANCE EQUAL TO OR BETTER THAN THE LIGHTING LEVELS OF THE SPECIFIED PRODUCT.

6. FOR ALL EXTERIOR FIXTURE SUBSTITUTIONS, A POINT-BY-POINT SCALED COMPUTER PRINTOUT SHALL BE PROVIDED VERIFYING THE ILLUMINATION LEVELS FOR THE ENTIRE SITE PLAN BASED ON USING THE PROPOSED ALTERNATIVE FIXTURES. THE REPORT MUST SHOW THAT THE SUBSTITUTED FIXTURE PROVIDES PERFORMANCE EQUAL TO, OR BETTER THAN THE LIGHTING LEVELS OF THE SPECIFIED PRODUCT. THIS REPORT SHALL BE CONFIGURED WITH THE FOLLOWING CONSTRAINTS.

a. THE SPACING INCREMENT OR POINTS ON THE VERIFICATION REPORT SHALL NOT EXCEED TEN (10) FEET IN EITHER DIRECTION.

b. THE PRINTOUT SHALL BE BASED ON PROVIDING MAINTAINED FOOT-CANDLE LEVELS USING A LIGHT LOSS FACTOR, AS DIRECTED BY THE ENGINEER OR RECORD.

c. THE PRINTOUT SHALL SHOW ANY ADDITIONAL ENERGY AND/OR ENERGY COSTS, FOR A TEN YEAR PERIOD, AS COMPARED TO THE ORIGINALLY SPECIFIED ITEM. THE TOTAL COSTS FOR THESE EXPENSES WILL BE DEDUCTED FROM THE CONTRACT COST.

D. REGARDLESS OF THE APPROVAL OF ANY SUBSTITUTION, ALL BIDS SHALL BE BASED ON THE PRODUCTS EXACTLY AS SPECIFIED. PRICING FOR EACH APPROVED SUBSTITUTION SHALL BE INCLUDED IN THE BID SUBMITTAL AS A SEPARATE LINE ITEM ALTERNATIVE. THE FINAL ACCEPTANCE OF AN APPROVED SUBSTITUTION WILL ONLY BE CONSIDERED IF PRICING FOR THE ORIGINALLY SPECIFIED ITEM IS INCLUDED IN THE BASE BID.

E. THE FIXTURES ARE SPECIFIED IN A GENERIC MOUNTING FORMAT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND PROVIDING ALL HANGERS, CLIPS AND NECESSARY HARDWARE TO INSTALL THE FIXTURE IN THE ENVIRONMENT AS SHOWN ON THE ARCHITECTURAL PLANS. IN ADDITION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD DETERMINING EXACT LENGTHS OF FIXTURES THAT ARE SPECIFIED WITH A NON STANDARD LENGTH. SOMETIMES DESIGNATED WITH A "*".

F. CONFLICTS BETWEEN CATALOG NUMBERS AND FIXTURE DESCRIPTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER, PRIOR TO BID TIME, FOR CLARIFICATION.

G. FINAL AND EXACT LOCATIONS OF ALL EXTERIOR LIGHTING FIXTURES SHALL BE AS SHOWN ON THE ARCHITECTURAL AND LANDSCAPE PLANS.

H. ALL RECESSED FIXTURES SHALL BE PROVIDED WITH ALL REQUIRED STRUCTURAL SUPPORTS AS REQUIRED BY THE CURRENTLY ADOPTED ISSUE OF THE UNIFORM BUILDING CODE, AS WELL AS ANY LOCAL CODES.

I. ALL FIXTURE FINISHES AND COLORS, UNLESS NOTED AS CUSTOM, SHALL BE SELECTED FROM THE FULL RANGE OR MANUFACTURERS STANDARD COLOR OPTIONS, AS SELECTED BY THE ARCHITECT. THIS DIRECTION WILL BE PROVIDED IN THE SHOP DRAWING REVIEW PROCESS. ALL FIXTURES INDICATED WITH A CUSTOM COLOR SHALL BE PROVIDED WITH A CUSTOM FINISH PER THE ARCHITECTURAL REVIEW COMMENTS OF THE SUBMITTED SHOP DRAWINGS.

J. ALL BALLASTS SHALL BE HIGH POWER FACTOR RATED. ALL LINEAR LAMP FLUORESCENT BALLASTS SHALL BE ELECTRONIC TYPE AND BE MANUFACTURED BY MAGNETEK OR ADVANCE. HARMONIC CONTENT SHALL NOT EXCEED TWENTY (20) PERCENT. EXTERIOR APPLICATIONS SHALL USE LOW TEMPERATURE (ZERO DEGREES FAHRENHEIT) BALLASTS.

K. LIGHT FIXTURES INDICATED AS EMERGENCY SHALL BE PROVIDED WITH A NINETY (90) MINUTE EMERGENCY BALLAST. THE EMERGENCY BALLAST SHALL BE A BODINE B50 SERIES, FOR 2 THROUGH 8" LAMPS, AND A BODINE B94 SERIES FOR COMPACT FLUORESCENT LAMPS. A SHOP DRAWING CUT-SHEET SHALL BE SUBMITTED WITH EACH EMERGENCY FIXTURE. THE CHARGING CIRCUIT SHALL BE CONNECTED TO A CIRCUIT WHICH SHALL REMAIN ON AT ALL TIMES. UNLESS NOTED AS A NIGHT LIGHT, THE FIXTURES LAMPS SHALL BE OPERATED BY THE SPACES CONTROLS. ALL EMERGENCY FIXTURES SHALL BE PROVIDED WITH AN IN-LINE FUSE.

L. A SHOP DRAWING CUT-SHEET SHALL BE SUBMITTED FOR ALL FIXTURES, PER THE DIVISION 1 SPECIFICATIONS. WITH EACH INDIVIDUAL FIXTURE SUBMITTAL, A BALLAST AND LAMP CUT-SHEET SHALL ALSO BE PROVIDED.

M. ALL EXIT SIGNS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE LOCAL FIRE PREVENTION CODE AUTHORITY. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY HARDWARE SUCH THAT ALL EXIT SIGNS ARE INSTALLED IN AN APPROVED VISIBLE LOCATION.

N. ALL TRACK LIGHTING FIXTURES SHALL BE PROVIDED WITH THE APPROPRIATE TRACK SYSTEM (WHICH SHALL INCLUDE ALL MISCELLANEOUS COMPONENTS REQUIRED FOR A COMPLETE INSTALLATION.

O. ALL COMPACT FLUORESCENT BALLASTS SHALL BE ELECTRONIC TYPE AND BE MANUFACTURED BY ADVANCE, EBI, MAGNETEK OR ROBERTSON TRANSFORMER. HARMONIC CONTENT SHALL NOT EXCEED TWENTY (20) PERCENT. EXTERIOR APPLICATIONS SHALL USE LOW TEMPERATURE (ZERO DEGREES FAHRENHEIT) BALLASTS.

SUBMITTALS

A. ONLY PRODUCTS LISTED AS "EQUAL" WITHIN THE CONTRACT DOCUMENTS AND SUBSTITUTIONS APPROVED AND ISSUED AS AN ADDENDUM PRIOR TO BID WILL BE REVIEWED. OTHER PRODUCTS NOT CONFORMING TO THE ABOVE WILL NOT BE REVIEWED, AND WILL BE REJECTED.

B. THE ELECTRICAL SUBCONTRACTOR SHALL REVIEW THE SUBMITTAL FOR CONFORMANCE TO THE CONTRACT DOCUMENTS INCLUDING MOUNTING AND VOLTAGE. ONCE THE ELECTRICAL CONTRACTOR IS SATISFIED WITH THE SUBMITTAL, THEY SHALL STAMP AND SIGN EACH COPY OF THE SUBMITTAL, INDICATING THAT THEY HAVE REVIEWED AND ACCEPTED THE PRODUCTS, AS WELL AS THE LEAD TIME AND SCHEDULED DELIVERY OF THE PRODUCTS. THE SUBMITTALS SHALL AT THAT TIME BE FORWARDED TO THE ARCHITECT/ENGINEER THROUGH NORMAL CHANNELS. IF THE SUBMITTAL HAS NOT BEEN REVIEWED BY THE ELECTRICAL CONTRACTOR, IT WILL BE RETURNED "REJECTED, CONTRACTOR REVIEW AND APPROVAL IS REQUIRED".

C. SUBMITTAL POLICY

1. REVIEW THE PRODUCTS SUBMITTED FOR CONFORMANCE TO DESIGN, FUNCTION, QUALITY AND AESTHETICS FOUND IN THE SPECIFIED PRODUCTS.

2. COMMENTS USED IN RESPONSE TO SUBMITTALS ARE

a. "NO EXCEPTION TAKEN"

b. "FURNISH WITH CORRECTIONS NOTED, RESUBMITTAL IS NOT REQUIRED."

c. "REJECTED. RESUBMIT WITH MODIFICATIONS AS SHOWN."

d. "REJECTED. RESUBMIT SPECIFIED PRODUCTS."

3. A SECOND SUBMITTAL REVIEW WILL BE PERFORMED WITH THE SAME CRITERIA AS IN "a" AND "b" ABOVE.

4. IF ANY PRODUCTS ARE NOT APPROVED IN THE TWO REVIEWS, A SUBSEQUENT REVIEW WILL NOT OCCUR, THE SPECIFIED PRODUCTS (THAT LISTED BY CATALOG NUMBER) SHALL BE PROVIDED.

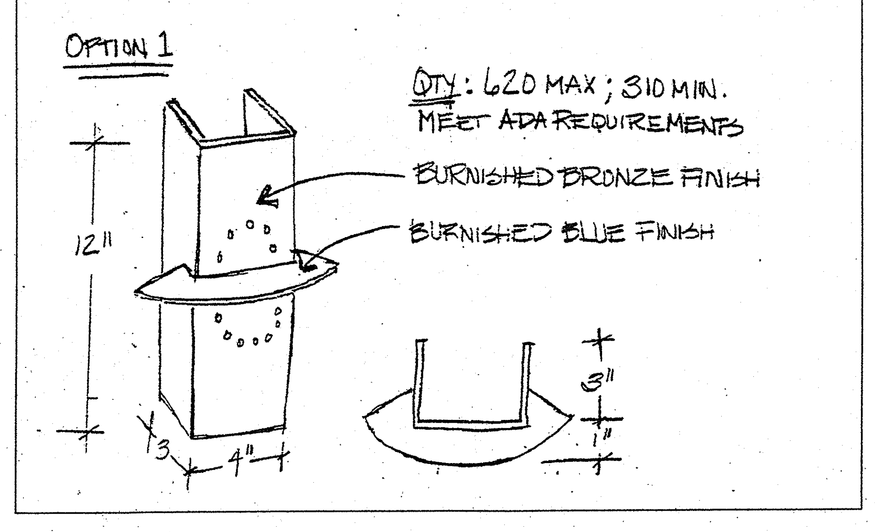
"NO KNOWN EQUAL" LIGHTING FIXTURE PRICING/BIDDING NOTES

A. EACH FIXTURE IDENTIFIED AS "NO KNOWN EQUAL" ON THIS PROJECT SHALL BE BID IN A "LINE ITEM" FORMAT. A PER UNIT MATERIAL COST SHALL BE PROVIDED FOR EACH "NO KNOWN EQUAL" FIXTURE. THIS PRICE SHALL INCLUDE LAMPS AS WELL AS ALL OTHER REQUIRED MATERIALS REQUIRED FOR INSTALLATION. THE FIXTURE PRICE QUOTED WILL BE UTILIZED, PRIOR TO SHOP DRAWING APPROVAL, FOR "ADDING" AND/OR "DELETING" ANY QUANTITY OF THE FIXTURE.

B. A UNIT COST SHALL BE SUBMITTED FOR EACH "NO KNOWN EQUAL" FIXTURE. SUBMIT THE PRICING AS PART OF THE BID FORM ON A SEPARATE 8 1/2" X 11" SHEET AS FOLLOWS:

FIXTURE TYPE	LINE ITEM/PER UNIT COST
A	$ XXXXX/EACH
B	$ XXXXX/EACH
C	$ XXXXX/EACH

C. FAILURE TO SUBMIT A LINE ITEM FOR EACH FIXTURE WILL RESULT IN THE REJECTION, REFUSAL, OR NON-ACCEPTANCE OF THE CONTRACTORS BID.



BUILDING CORRIDOR CUSTOM FIXTURE (4)

SCALE NTS

LIGHTING FIXTURE SCHEDULE

11/19/98

TYPE	LUMINAIRE INFORMATION: MANUFACTURER, CATALOG # AND EQUAL PRODUCT INFO.	WATTS VOLTS	LAMP INFORMATION: MANUFACTURER, QUANTITY CATALOG # AND EQUAL	MISCELLANEOUS INFORMATION: FIXTURE GENERAL DESCRIPTION LAMP GENERAL DESCRIPTION
(A)	TRANS GLOB *4484-RT-"RUST" EQUAL BY:	100W. 120V.	GE (1) 100/A19 EQUAL BY SYLVANIA	WALL BRACKET INCANDESCENT, UL. LISTED FOR WET LOCATION. - PATIO LIGHT 100W/A19 INCANDESCENT
(B)	LITHONIA *2G6-42-32-120 EQUAL BY:	64W 120V	GE (2) F32T8/SPX35 EQUAL BY SYLVANIA	SURFACE MOUNTED FLUORESCENT FIXTURE WITH WRAPAROUND PRISMATIC ACRYLIC LENS. KITCHEN 32W T8 / 3500°K / 82CRI
(C)	ANP LIGHTING *2036 EQUAL BY:	240W 120V	GE. (6) 40W G16 1/2 INCAND.	WALL MOUNTED INCANDESCENT (6) LIGHT VANITY FIXTURE CENTERED ABOVE MIRROR IN BATHROOMS 60W/A19 INCANDESCENT
(C1)	ANP LIGHTING *2048 EQUAL BY:	480W 120V	GE (8) 40W G16 1/2 INCAND. EQUAL BY	SAME AS TYPE "C" FIXTURE EXCEPT 8-LAMP VERSION
(D)	LITHONIA *L1-1B2	15W	GE. (1) T5 PAR 30	RECESSED INCANDESCENT COMPUTER AREA FIXTURE
(D1)	LAMPS PLUS *LP-CLK-B3G93-WHT	225W.	GE. (3) T5 PAR 30	SURFACE MOUNT 4FT. TRACK FIXTURE WITH (3) HEADS
(E)	LITHONIA *L1-1B2	15W	GE. (1) T5 PAR 30	RECESSED INCANDESCENT ENTRY LIGHT FIXTURE
(F)	THOMAS SL325-8	60W	GE. (1) 60/A19	SURFACE MOUNTED CORRIDOR/LAUNDRY ROOM INCANDESCENT FIXTURE WITH GLOBE COVER. HALL, LAUNDRY ROOM, WALK IN CLOSET
(F1)	LAMPS PLUS *LP1988-4S11-10	60W	GE. (1) 60/A19	SURFACE MOUNT CORRIDOR INCANDESCENT WALL SCONCE
(G)	CAPRI *FLD1-1C/120-P6H12P	13W	GE. (1) F13BX/SPX35	RECESSED MOUNTED COMPACT FLUORESCENT DOWNLIGHT WITH DROP OPAL DIFFUSER, UL. LISTED FOR WET LOCATION IN SHOWER. 13W BIAX/3500°K/835 LUMENS/82CRI
(G1)	NUTONE *F16SRF	15W	GE. (1) F13BX/SPX35	FLUORESCENT RECESSED FAN/LIGHT COMBO FIXTURE
(I)	INFINITY *FH6D-213Q-G24Q-1-120V.	36W	GE. (2) F13BX/SPX35/835	(2)13W. FLUORESCENT RECESSED DOWNLIGHT WET LOCATION WITH CLEAR LENS.
(2)	L&I MIDWEST LIGHTING *S-2-236-S6C-RLG-240-120V.	120W	GE. (4) F32T8/SPX35	8 FT. STRIP LIGHT WIREGUARD AND ELECTRONIC BALLAST.
(3)	L&I MIDWEST LIGHTING *FR-232-S6C-120V.	64W	GE. (2) F32T8/SPX35	4 FT. SURFACE NARROW FLUORESCENT WRAPAROUND WITH PRISMATIC ACRYLIC LENS
(4)	OPTION # CUSTOM FIXTURE REFER TO DETAIL THIS SHEET	13W	GE. (1)F13BX/SPX35	13W. WALL MOUNTED DECORATIVE FLUORESCENT FIXTURE FOR ADDRESS SIGNS WITHIN BUILDING CORRIDORS
(5)	L&I MIDWEST LIGHTING *S-2-48-S6C-WS-240-120V.	64W	GE. (2) F32T8/SPX35	4 FT. STRIP LIGHT WIREGUARD AND ELECTRONIC BALLAST.
(6)	EVERGREEN *CE3-11-T-120V.	15W	GE. (1) F13BX/SPX35/	13W. FLUORESCENT WALL SCONCE IN GARAGE ELEVATOR LOCATION.
(7)	HUBBLE *HLEM-1-1B-X2G	120W	GE. (1) 100W.	100W. INCANDESCENT VAPOR TIGHT SURFACE LIGHTING FIXTURE IN GAS ROOMS.
(8)	ELLEN *S3G7-WHT	60W	GE. (1) 60W	60W. INCANDESCENT CEILING MOUNT LIGHTING FIXTURE WITH COVER
(9)	THOMAS SL-10902-8	-	GE. (1) PC8T9/CW	22W. FLUORESCENT SURFACE MOUNT LIGHTING FIXTURE.
(10)	INFINITY *FHRL15-132T-EB-HOL	36W	GE. (1) F32TBX/SPX35/4P	32W. FLUORESCENT RECESSED MOUNTED DOWNLIGHT WITH CLEAR LENS UL. LISTED FOR WET LOCATION.
(11)	McPHILBEN 942-C-213TF-PG-120V-BLP.	31W	GE. (2) F13BX/SPX35/835	(2) 13W. FLUORESCENT STEP LIGHT WITH PRISMATIC GLASS.
(12)	INFINITY *FHRL15-126Q-HOL	31W	GE. (1) F26TBX/SPX35/4P	26W. FLUORESCENT RECESSED MOUNTED DOWNLIGHT WITH CLEAR LENS UL. LISTED FOR WET LOCATION.

LIGHTING FIXTURE SCHEDULE (1)

TYPE	LUMINAIRE INFORMATION: MANUFACTURER, CATALOG # AND EQUAL PRODUCT INFO.	WATTS VOLTS	LAMP INFORMATION: MANUFACTURER, QUANTITY CATALOG # AND EQUAL	MISCELLANEOUS INFORMATION: FIXTURE GENERAL DESCRIPTION LAMP GENERAL DESCRIPTION
(LA)	JUNO LIGHTING TRAC 12 SYSTEM TL543 HOUSING, SHADE TLP325	20W 12V	20W. HALOGEN EQUAL BY: SYLVANIA	DECORATIVE 12V. PENDANT FIXTURE.
(LB)	L&L LIGHTING *G6-H5240-AM-PC-2-C	50W 120V	GE. (1) Q50MR16/C/FL40°	50W. HALOGEN PENDANT MOUNT WITH AMBER GLASS & CHROME PLATED.
(LC)	LITHONIA *2-PM4-GB-4-32-LD--FU	115W 120V	GE. (4) F32T8/SPX35	2 x 4 RECESSED FLUORESCENT TROFFER WITH 32 CELL GRID.
(LD)	LITHONIA *AF-2-26DTT-SAR-LD-120V	54W 120V	GE. (2) F26DBX/SPX35/4P EQUAL BY: SYLVANIA	26W. FLUORESCENT RECESSED DOWNLIGHT WITH CLEAR IRIDESCENT REFLECTOR.
(LE)	LITHONIA *DLV-W3H-MR16-4AC-LD-120V.	50W 120V	GE. (1) Q50MR16/C/NFL 25°	50W. INCANDESCENT WALL WASH 4" DIA. DOWNLIGHT WITH SEMI-DIFFUSE REFLECTOR.
(LF)	JUNO LIGHTING TRAC 12 SYSTEM TL192-12V. WITH END CAPS *TL4000.	AS REQD. 12V	EQUAL BY: SYLVANIA	SURFACE MOUNTED LINEAR FLUORESCENT STRIP.
(LG)	FLOS USA CUSTOM LUCY "LUMATURE"	50W 12V	GE. (1) 50W. MR16 (SPOT) EQUAL BY: SYLVANIA	DECORATIVE ADJUSTABLE FIXTURE.
(LH)	FLOS USA LUCY-B2-LUCY-B- (1)	75W 12V	GE. (1) MR-16-CG EQUAL BY: SYLVANIA	75W. HALOGEN DECORATIVE CUSTOM FIXTURE WITH 24" CURVED STEM.
(LJ)	L&L LIGHTING *HUE-498-EU-SC-120V.	100W 120V	GE. (1) Q100CL/MC EQUAL BY: SYLVANIA	100W. HALOGEN DECORATIVE WALL SCONCE WITH COBALT BLUE GLASS SHADE & SATIN CHROME FINISH.
(LK)	MORRISON LIGHTING *4118-226	60W 120V	(1) 60C-10	60W. INCANDESCENT DECORATIVE WALL SCONCE SURFACE MOUNTED.

(1) REFER TO SCHICK DESIGN GROUP PLAN DRAWING FOR ADDITIONAL LIGHTING FIXTURE INFORMATION. FOR ANY QUESTIONS ON LIGHTING FIXTURE CALL TANIA RUIZ AT SCHICK DESIGN GROUP. (480) 424-1303.

LIGHTING FIXTURE SCHEDULE

TYPE	LUMINAIRE INFORMATION: MANUFACTURER, CATALOG # AND EQUAL PRODUCT INFO.	WATTS VOLTS	LAMP INFORMATION: MANUFACTURER, QUANTITY CATALOG # AND EQUAL	MISCELLANEOUS INFORMATION: FIXTURE GENERAL DESCRIPTION LAMP GENERAL DESCRIPTION
(SA)	WINONA *A3D0-12V-LO-BK3-FO-SHO-C3-STD -CNX	50W 12V	GE. (1) Q50MR16/C/AFL35°/FNV EQUAL BY: SYLVANIA	50W. ADJUSTABLE ACCENT LIGHT BLACK FINISH MOUNTED TO GAZEBO WITH MOUNTING PLATE REMOTE TRANSFORMER.
(SB)	ARCHITECTURAL LANDSCAPE LTG. *SL.T1-100-MH-PAR 38-B2-CBH	100W. 120V.	GE. (1) M100/U/PAR/SP EQUAL BY: SYLVANIA	100W. METAL HALIDE GROUND MOUNTED ADJUSTABLE UPLIGHT FOR MEX FAN PALMS.
(SC)	WINONA *A3D-50-120V-LO-BK3-FO-SH6-C2-STD.	50W 120V.	GE. (1) 50 PAR30L/H/12° EQUAL BY: SYLVANIA	50W. METAL HALIDE GROUND MOUNTED ADJUSTABLE UPLIGHT FOR PROMENADE PALMS.
(SE)	SELECTED BY OWNER	26W.	GE (1) F26DBXT4/SPX35 EQUAL BY: SYLVANIA	26W. FLUORESCENT DECORATIVE WALL LIGHT WET LOCATION
(SF)	OMEGALUX *2-142TT-S-G-A-O-GLARE SHIELD-F-U	47W. 180V.	GE. (1) PL-T42W/35/4P	42W. FLUORESCENT UPLIGHT WITH GLARE SHIELD MOUNTED ON PERMA POST.
(SG)	HYDREL *1600A PLT 26 120FL JB-G5-BL	26W. 120V.	GE. (1) F26TBX/SPX35/4P EQUAL BY: SYLVANIA	26W. FLUORESCENT GROUND MOUNTED ADJUSTABLE FLOODLIGHT.
(SH)	WINONA *P-D-51-120V-LO-BK3-FO-SH6-C2-STD.	50W 120V.	GE. (1) 50 PAR30/HIR/FL30 EQUAL BY: SYLVANIA	50W. HALOGEN GROUND MOUNTED ADJUSTABLE UPLIGHTS FOR MEX FAN PALMS.
(SJ)	SIRES *4289 PL13 120-09	15W.	GE. (1) F13TBX/SPX35/4P EQUAL BY: SYLVANIA	13W. FLUORESCENT STEP LIGHT MOUNTED ON WALL.
(SK)	McPHILBEN *501-FT-100M-1H-120-BGP-UT	127W. 120V.	GE. (1) M100/U/MED/O EQUAL BY: SYLVANIA	100W. METAL HALIDE WALL SCONCE WITH 5" UPTILT, FOWARD THROW.
(SL)	OMEGALUX *2-126GE-S-G-A-N-F-U	26W.	GE. (1) F26TBX/SPX35/4P EQUAL BY: SYLVANIA	26W. FLUORESCENT GROUND MOUNTED CORAL TREE UPLIGHTS WITH GLARE SHIELD.
(SM)	OMEGALUX *2-132TR-S-G-A-N-F-U	36W.	GE. (1) F32T8X/SPX35/4P EQUAL BY: SYLVANIA	32W. FLUORESCENT GROUND MOUNTED FLOOD LIGHT, ON PERMA POST.
(SN)	McPHILBEN *501-UT-100M-1H-120-BGP-UT	127W. 120V.	GE. (1) M100/U/MED/O EQUAL BY: SYLVANIA	100W. METAL HALIDE WALL SCONCE WITH 5" UPTILT, WIDE THROW.
(SP)	ARCHITECTURAL LANDSCAPE LTG. *SL-16-120-INC-PAR38-B2-CBH	200W. 120V	GE. (4) 100 PAR/HIR/SP10°.	100W. INCANDESCENT GROUND MOUNTED SPOTLIGHT FOR DATE PALMS. 2 HEAD FIXTURE.
(SR)	SELUX *SA4-MR-1-H100-BK-120V. POLE *835-BK	127W. 200V.	GE (1)M100/U/MED/O EQUAL BY: SYLVANIA	100W. METAL HALIDE DECORATIVE POST TOP FIXTURE ON 10'-0" DECORATIVE POLE WITH BLACK FINISH
(SS)	HYDREL *LU19-B-120	150W 120V	GE. (1) 150 PAR46/3FL EQUAL BY: SYLVANIA	150W. INCANDESCENT UNDERWATER FOUNTAIN LIGHT.
(ST)	HYDREL *LU14-3-120	200W 120V	GE. (1) Q200T3/CL EQUAL BY: SYLVANIA	200W. INCANDESCENT UNDERWATER FOUNTAIN LIGHT.
(SU)	SELUX *SA4-MR-1-H100-BK-120V. POLE *835-BK	127W. 200V.	GE. (1) M100/U/MED/O	100W. METAL HALIDE DECORATIVE POST TOP FIXTURE ON 8'-0" ROUND STRAIGHT STEEL POLE BLACK FINISH.
(SV)	GREENLEE *BAL-G812-R40-AG-175-MV-120-BLK	175W	GE. HR 175RFL38	175W. MERCURY VAPOR BUILDING MOUNT FIXTURE TO BE AIMED AT TREE & FOLAGE AREA 20'-0" M.H.
(SW)	OMEGALUX *2-132T8-S-G-A-N-W-U	32W	GE. (1) F32T8/SPX35	32W. FLUORESCENT UPLIGHT TO WASH WALL.
(EX)	LITHONIA *LQM-S-W-G-120V.-X2	2.3W	LED	EMERGENCY LED EXIT SIGN WITH BATTERY BACK-UP CONTRACTOR TO VERIFY NUMBER OF FACES PER DRAWING
	ACTIVE SAFETY *SERIES 14000	-	PHOTO LUMINOUS	LOW LEVEL PHOTO LUMINOUS EXIT SIGN. CONTRACTOR TO VERIFY NUMBER OF FACES PER DRAWING.

PLAYA DEL REY
8700 PERSHING DRIVE
PLAYA DEL REY, CALIFORNIA 90293

ARCHSTONE COMMUNITIES
217 Technology Drive, Second Floor
Irvine, California 92618

ISSUE	DATE	DESCRIPTION
	09.06.00	DESIGN DEVELOPMENT
	10.17.00	PROGRESS SET
	11.10.00	BUILDING DEPT. SUBMITTAL
	04.18.01	REVIEW SET
	07.20.01	BID SET
1	10.05.01	GMAX SET

K1
KONSORTUM 1
17891 Sky Park Circle, Suite B
Irvine, California 92614
(949) 221-0432 Fax (949) 221-0430
RAYMOND W. SWARTZ, P.E.
K1 Job #: 0771-00-175

REGISTERED PROFESSIONAL ENGINEER RAYMOND W. SWARTZ No. E15610 Exp. 12/01 ELECTRICAL STATE OF CALIFORNIA

PROJECT: 9985
DRAWN:
CHECKED:
LIGHTING FIXTURE SCHEDULE

E1.1

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