

LIGHTING FIXTURES NOTES

SPECIFIED MAY BE USED ON THIS PROJECT. REFER TO FLOOR

ARE FLUORESCENT STRIPS SINGLE OR DOUBLE LAMPS. USE 4',

3' AND 2' AS REQUIRED TO COVER FULL LENGTH OF COVE

WATTAGE AS SHOWN, ALL FLUORESCENT BALLASTS IN HEATED

COMMON AREAS SHALL BE ADVANCE 'REL' SERIES (OR EQUAL)

3. ALL FLUORESCENT FIXTURES SHALL BE C/W T-8 LAMPS OF

4. FIXTURES TO BE AS SPECIFIED OR APPROVED EQUAL BY

5. COMPACT FLUORESCENT FIXTURES TO BE C/W ENCAPSULATED

FIXTURES SHOWN AS EMERGENCY FED TO BE COMPLETE WITH

. ALL 'ID' FIXTURE SHOP DRAWINGS TO BE APPROVED BY THE

8. ALL 'LS' FIXTURE SHOP DRAWINGS TO BE APPROVED BY THE

9. ALL FIXTURES USED WITHIN INSULATED CEILING TO BE I.C.

10. LIGHTING FIXTURE SUPPLIER TO PROVIDE AT TIME OF SHOP

POINT CALCULATIONS OF TYPICAL GARAGE AREA, TYPICAL

MEANS OF EGRESS. AREAS ARE TO REFLECT ACTUAL

AS PER OUR DRAWINGS READ IN CONJUNCTION WITH

ARCHITECTURAL, STRUCTURAL, LANDSCAPE, AND INTERIOR

11. LIGHTING FIXTURES THAT ARE CONTROLLED BY OCCUPANCY

SENSOR TO BE C/W PROGRAM START BALLASTS.

DRAWINGS, COMPUTER GENERATED LIGHTING LEVEL POINT BY

CORRIDORS, SWIMMING POOL/SPA, AND EXTERIOR EMERGENCY

CHARACTERISTICS (IE. CEILING HEIGHT, AND FIXTURE SPACING

LANDSCAPE DESIGNER, CONTRACTOR TO REVISE FIXTURE TO

INTERIOR DESIGNER. CONTRACTOR TO REVISE FIXTURE TO SUIT

HPF BALLASTS, NPF BALLASTS WITH IS NOT ACCEPTABLE.

6. ALL HID BALLASTS SHALL BE OF THE HPF TYPE. ALL HID

QUARTZ RESTRIKE, WHETHER IT IS INDICATED OR NOT.

2. FIXTURES INSTALLED IN ARCHITECTURAL VALANCES AND COVES

. FIXTURE SCHEDULE IS GENERIC. NOT ALL THE FIXTURES

PLANS FOR EXACT REQUIREMENTS.

OR VALANCE. INSTALL FIXTURES STAGGERED.

(MAGNETIC ENERGY SAVING IN SUITES).

ENGINEER AND/OR INTERIOR DESIGNER.

INSTALLATION ON SITE.

DESIGN DRAWINGS).

SUIT INSTALLATION ON SITE.

OCCUPANCY SENSOR

BLUE # |

-

LOW VOLTAGE SWITCH

RED (+V/+24V)

BLK (COM)

OCCUPANCY OCCUPANCY OCCUPANCY SENSOR SENSOR

OCCUPANCY OCCUPANCY OCCUPANCY SENSOR SENSOR

OCCUPANCY OCCUPANCY OCCUPANCY SENSOR SENSOR

BLACK + + |

OCCUPANCY

SENSORS

BLUE + + +

POWER PACK

(OSP20)

ADD-A-RELAY

RED (+V/+24V)

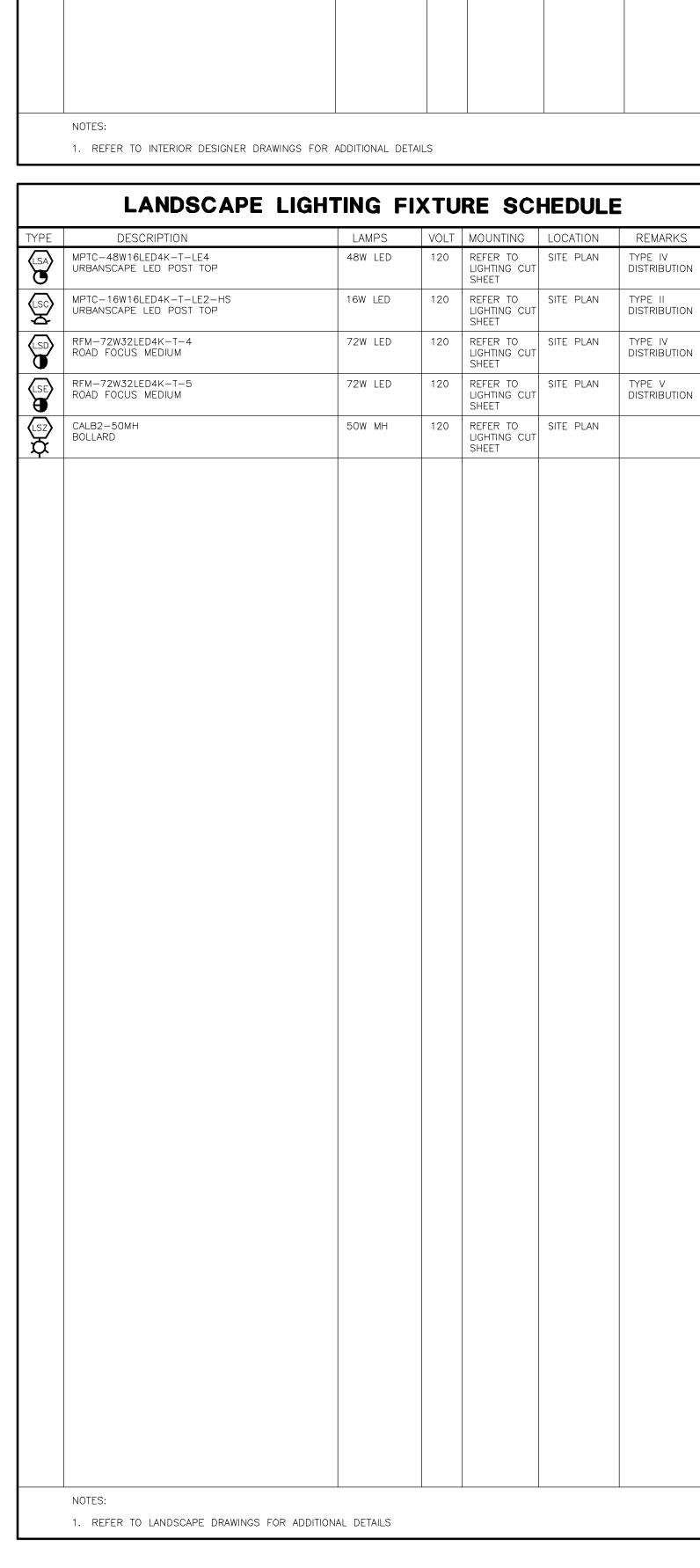
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BLUE (SIG)

OCCUPANCY OCCUPANCY OCCUPANCY

SENSOR SENSOR SENSOR



| 120 | RECESSED

120 RECESSED

120 RECESSED

120 RECESSED

120 DOWNLIGHT LOBBY

| 120 | DOWNLIGHT | AMENITY

120 | SUSPENDED | ELEVATOR

| 120 | SUSPENDED | MAIN LOBBY

| 120 | SUSPENDED | FRONT

WASHER

WASHER

WALL

| 120 | RECESSED

LED STRIP

120 | SUSPENDED | P1 PARKING

120 RECESSED LOBBY AND

MANAGEMENT/

AREAS

AREAS

FIREPLACE

CORRIDOR

(GROUND

TO 7TH FI

MAIN LOBBY

MAIN LOBBY

LOBBY AND

TYPE	DESCRIPTION COMPACT FLUORESCENT GU24	LAMPS	VOLT	MOUNTING CEILING	LOCATION	REMARKS
A A1	EUROFASE TIN GU24 3-LT TRKKIT FLUORESCENT ACRYLIC WRAP GALAXY LIGHTING	3-13W 2-32W	120V	SURFACE	SUITE KITCHEN SUITE	FINISH PLATINUM FINISH WHITE
	OES4812WH, ENERGY STAR LISTED T5 FLUORESCENT UNDERCABINET STRIP GALAXY	1-14W 28W	120V	SURFACE UNDER	KITCHEN SUITE	FINISH WHITE
A2 A2	LIGHTING 420028WH LENGTH TO SUIT LED UNDER COUNTER STRIP ALICO ZEE LED 9"	OR 21W LED	120V	COUNTER	SUITE SUITE	LENGTH TO SUITINISH WHITE
ALT B	TO 48" LENGTHS COMPACT FLUORESCENT GALAXY LTG	2-13W	120V	COUNTER	KITCHEN SUITE	FINISH PEWTER
	OES112MB-PTGU24, ENERGY STAR LISTED COMPACT FLUORESCENT GALAXY LIGHTING	2-13W	120V	SURFACE CEILING	BEDROOM SUITE	FINISH PEWTER
C 	OES112MB-PTGU24, ENERGY STAR LISTED COMPACT FLUORESCENT GALAXY LIGHTING	2-13W	120V	SURFACE CEILING	BEDROOM SUITE	FINISH PEWTER
D1	OES112MB-PTGU24, ENERGY STAR LISTED COMPACT FLUORESCENT PENDANT GALAXY LTG	1-13W	120V	CEILING	DINING SUITE	FINISH WHITE
E	OES411, ENERGY STAR LISTED VANITY LIGHT COMPACT GALAXY LIGHTING	4-13W	120V	WALL	B'FAST SUITE COMM	BRUSHED NICKE
	OES134BNGU24, ENERGY STAR LISTED VANITY LIGHT FLUORESCENT GALAXY LIGHTING	2-17WT8	120V	WALL	BATHROOM SUITE COMM	WHITE/BRUSHEE
E1	ES921224BN, ENERGY STAR LISTED COMPACT FLUORESCENT GALAXY LIGHTING	1-13W	120V	CEILING	BATHROOM SUITE COMM	NICKEL
E2	RS2000GU24/202CH COMPACT FLUORESCENT GALAXY LIGHTING	1-13W	120V	RECESSED CEILING	BATHROOM SUITE COMM	WHITE/CHROME FINISH WHITE
E3	RS2000GU24/216WH COMPACT FLUORESCENT GALAXY LIGHTING	1-9W	120V	RECESSED CEILING	BATHROOM SUITE COMM	FINISH WHITE
E3-IC 	RS2000IC/ATGU24/216WH FLUORESCENT WRAPAROUND VISIONEERING	2-32W	120V	RECESSED CEILING	BATHROOM	FINISH WHITE
	MDIP248-232-IS-ELE C/W P.S. BALLAST FLUORESCENT CUBE LIGHT VISIONEERING	1-32W	120/	SURFACE CEILING	AREAS COMMON	FINISH WHITE
F1	MCAD148-132IS-ELE FLUORESCENT BEGHELLI ILLUMINA BS 100	2-32W	347V 120/	SURFACE CEILING	AREAS GARAGE	
F2 F3	4'-T8 C/W PROG START HI-LITE BALLAST FLUORESCENT BEGHELLI ILLUMINA BS 100	2-54W HO	347V 120/	SURFACE CEILING	AREAS LOADING	
F4	4'-T5 C/W PROG START HI-LITE BALLAST FLUORESCENT STRIP STANDARD DAYBRITE T232-120	2-32W	347V 120V		DOCK	C/W WIREGUARI
	WGT-4 C/W P.S. BALLAST FLUORESCENT BEGHELLI ILLUMINA BS 100 2'-T5	2-14W	120V	SURFACE AS NOTED	ROOMS	oy ii iiii.Eooriii.
F5	C/W PROG START HI-LITE BALLAST T5 FLUORESCENT STRIP GALAXY LIGHTING	1-14W 21W	120V	ON PLANS AS NOTED	AREAS	
F6	15 FLUORESCENT STRIP GALAXY LIGHTING 420028WH LENGTH TO SUITE FLUORESCENT WRAPAROUND VISIONEERING	0R 28W	120V	ON PLANS CEILING	AREAS COMMON	FINISH WHITE
F7	FLUORESCENT WRAPAROUND VISIONEERING MDIP224217—IS—ELE FLUORESCENT TG8 DAYBRITE	2-17W 2-32W	120V	SURFACE T-BAR	AREAS	FINISH WHITE
F8	1TG8232FS01-120		120V	1'x4'	COMMON AREAS	FINISH WHITE
F9	FLUORESCENT TG8 DAYBRITE 2TG8232-01-120 FLUORESCENT TG8 DAYBRITE 2TG8773 01 120	2-32W	120V	T-BAR 2'x4'	COMMON AREAS	FINISH WHITE
F10	FLUORESCENT TG8 DAYBRITE 2TG8332-01-120	3-32W	120V	T-BAR 2'x4' T-BAR	COMMON AREAS	FINISH WHITE
F11	FLUORESCENT TG8 DAYBRITE 2TG8432-01-120	4-32W		2'x4'	COMMON AREAS	
F12	FLUORESCENT TG8 DAYBRITE 2TG8231U6-01-120	2-31W(U)	120V	T-BAR 2'x2'	COMMON AREAS	FINISH WHITE
F13	FLUORESCENT TG8 DAYBRITE 1TG8232FS01-120-FMA-14	2-32W	120V	T-BAR 1'x4'	COMMON AREAS	FINISH WHITE
F14	FLUORESCENT TG8 DAYBRITE 2TG8232-01-120-FMA-24	2-32W	120V	T-BAR 2'x4'	COMMON AREAS	FINISH WHITE
F15	FLUORESCENT TG8 DAYBRITE 2TG8332-01-120-FMA-24	3-32W	120V	T-BAR 2'x4'	COMMON AREAS	FINISH WHITE
F16	FLUORESCENT TG8 DAYBRITE 2TG8432-01-120-FMA-24	4-32W	120V	T-BAR 2'x4'	COMMON AREAS	FINISH WHITE
F17	FLUORESCENT TG8 DAYBRITE 2TG8231U6-01-120-FMA-22	2-31W(U)	120V	T-BAR 2'x2'	COMMON AREAS	FINISH WHITE
G	RAB DESIGN GWL1-LED15 LED WALL LIGHT	1x15W LED	120V	WALL	ENTRANCE GND FLOOR	
G1	COMPACT FLUORESCENT GALAXY LIGHTING OES218GU24, ENERGY STAR LISTED	1-13W	120V	WALL BRACKET	BALCONY	
G2	300156AS-S GALAXY LIGHTING	1-60W	120V	WALL BRACKET	GND FLOOR	FINISH WHITE
G3	BETA-CALCO ARKO EX 31 7082-0P-1	1-32W LED	120V	WALL BRACKET	ENTRANCE GND FLOOR	FINISH WHITE
J	COMPACT FLUORESCENT LIGHTOLIER 1101T18N120/1105TCL	2-18W PL	120V	RECESSED	SUITES & COMM AREA	SUSPENDED CEILING
J1	COMPACT FLUORESCENT XCEED 1050SQ26ESN/1050SQDLCDW ENERGY STAR LISTED	1-26W PL	120V	RECESSED	SUITES & COMM AREA	SUSPENDED CEILING
J2	COMPACT FLUORESCENT SPEX OMEGA S82H26/32/42UT82HCS	2-26W 32W OR 42W	120V	RECESSED	SUITES & COMM AREA	
K	FLUORESCENT GALAXY LIGHTING 931454WH-32W, ENERGY STAR LISTED	1-32W OR 1-22W	120V	CEILING SURFACE	COMMON AREAS	FINISH WHITE
K1	HID SPEX OMEGA C82H26/42/42UT82HPLTCSPL	2-26W 32W OR 42W	120V	RECESSED	POOL AREAS	
K2	HID NITEBRITE DNM175M12-CUL-MARINE-QEM	1-175 MH	120V	RECESSED	POOL AREAS	FINISH WHITE
Р	FLUORESCENT LAMP HOLDER LEVITON 9860B	1-13W PL	120V	CEILING	STORAGE	FINISH WHITE
P1	COMPACT FLUORESCENT GALAXY LTG OES308GU24, ENERGY STAR LISTED	1-13W PL	120V	CEILING	SUITE STORAGE	FINISH WHITE
P2			120V	CEILING	SUITE UNDER COUNTER CABINET	
Т	HID RAB DESIGN WP70MHTTABZ	1-70W MH	120/ 347V	WALL	EXTERIOR	POLYCARBONATE LENS
T1	HID RAB DESIGN WP100MHTTABZ	1-100W MH	120/ 347V	WALL	EXTERIOR	POLYCARBONATE LENS
T2	HID UP/DOWN CYLINDER WCBM70P	1-70W MH	120/ 347V	WALL	EXTERIOR	LENSED
T3	COMPACT FLUORESCENT SISTEMALUX EOS RECTANGULAR S4619	1-26W	120V	WALL	EXTERIOR	
T4	HID RAB DESIGN FPLLA70MHTT-CP-BZ	1-70MH	120/	WALL	EXTERIOR	
T5	HID RAB DESIGN-WPD FULL CUT OFF-BZ	1-70W	347V 120/	WALL	EXTERIOR	
T6	C/W 100W QUARTZ STRIKE CANARM LTD., OUTDOOR LIGHT	MH OR HPS LED	347V 120V	WALL	EXTERIOR BALCONY	
	#IOL92BK C/W LED LAMP HID BOLLARD SQUARE COOPER LTG	1-100W MH	120/	GRADE	BALCONY	ROUND
U1	BRC42100MHTT HID BOLLARD SQUARE COOPER LTG BSC42100MHTT	1-100W MH	347V 120/	GRADE	SITE	SQUARE
V	BSC42100MHTT LIGHTOLIER PHILIPS LYTECASTER 5" ROUND	LED	347V 120V	CEILING	CANOPY	
V1	DOWNLIGHT HID CAPRI	1-50W MH	120/	RECESSED	CANOPY	
V2	CM6-M50-V65C HID CAPRI CM6 M100 V65C	1-100W MH	347V 120/	RECESSED	CANOPY	
V2 V3	CM6-M100-V65C SAME AS V1 EXCEPT C/W	1-100W MH	347V 120V	RECESSED	GARAGE	
	100W QUARTZ STRIKE HID	1-50W MH	120V	CEILING	PODIUM	
V4 Y	CAPRI CM6-M50-V65C COMPACT FLUORESCENT GALAXY LIGHTING	1-9W	120V	RECESSED	SUITE	SHOWER LIGHT
	RS2000IC/AT GU24/216WH HID, POLE MTD (15') NITEBRITE	1-150W HPS	120V	POLE PB2	BATHROOM	FINISH TO SUIT
Z 	SBX150STT/SSSA-15					LANDSCAPE DESIG
NOTE:	S: IXTURE SCHEDULE IS GENERIC, NOT ALL THE FIXTURES	SDECIFIED MAY	RF IISE	ON THIS PR	DIFCT REFER TO	ELOOR PLAN

LIGHTING FIXTURE SCHEDULE

3. ALL FLUORESCENT FIXTURES SHALL BE C/W T-8 LAMPS OF WATTAGE AS SHOWN. ALL FLUORESCENT BALLASTS IN HEATED COMMON AREAS SHALL BE ADVANCE 'REL' SERIES (OR EQUAL) (MAGNETIC ENERGY SAVING IN SUITES).

4. FIXTURES TO BE AS SPECIFIED OR APPROVED EQUAL BY ENGINEER AND/OR INTERIOR DESIGNER.

. COMPACT FLUORESCENT FIXTURES TO BE C/W ENCAPSULATED HPF BALLASTS. NPF BALLASTS WITH IS NOT ACCEPTABLE. . ALL HID BALLASTS SHALL BE OF THE HPF TYPE. ALL HID FIXTURES SHOWN AS EMERGENCY FED TO BE COMPLETE WITH QUARTZ RESTRIKE, WHETHER IT IS INDICATED OR NOT.

ALL 'ID' FIXTURE SHOP DRAWINGS TO BE APPROVED BY THE INTERIOR DESIGNER. CONTRACTOR TO REVISE FIXTURE TO SUIT INSTALLATION ON SITE.

ALL 'LS' FIXTURE SHOP DRAWINGS TO BE APPROVED BY THE LANDSCAPE DESIGNER. CONTRACTOR TO REVISE FIXTURE TO SUI INSTALLATION ON SITE.

9. ALL FIXTURES USED WITHIN INSULATED CEILING TO BE I.C. RATED. O. LIGHTING FIXTURE SUPPLIER TO PROVIDE AT TIME OF SHOP DRAWINGS, COMPUTER GENERATED LIGHTING LEVEL POINT BY POINT

CALCULATIONS OF TYPICAL GARAGE AREA, TYPICAL CORRIDORS, SWIMMING POOL/SPA, AND EXTERIOR EMERGENCY MEANS OF EGRESS. AREAS ARE TO REFLECT ACTUAL CHARACTERISTICS (IE. CEILING HEIGHT, AND FIXTURE SPACING AS PER OUR DRAWINGS READ IN CONJUNCTION WITH ARCHITECTURAL, STRUCTURAL, ANDSCAPE, AND INTERIOR DESIGN DRAWINGS).

1. LIGHTING FIXTURES THAT ARE CONTROLLED BY OCCUPANCY SENSOR TO BE C/W PROGRAM START BALLASTS. 12. EXIT SIGNS TO BE LED AND 5W OR LESS PER FACE.

NOTES:

CHECK DOOR SWINGS BEFORE INSTALLING INSTALL APPROVED EXPANSION COUPLINGS WHEREVER CONDUITS CROSS EXPANSION

5. MOTOR STARTERS AND TIME SWITCHES NOT SHOWN ON THE DRAWINGS SHALL BE LOCATED ADJACENT SOURCE OF SUPPLY. . WIRE AND CABLE SIZES ARE BASED ON COPPER RATINGS UNLESS OTHERWISE NOTED. 5. CONFIRM ALL MECHANICAL EQUIPMENT POWER

AND VOLTAGE REQUIREMENTS PRIOR TO ROUGHING-IN. 6. FIRE ALARM STATIONS, LIGHT SWITCHES AND INTERCOM STATIONS IN A BARRIER FREE ACCESS AREA (PUBLIC AREAS) SHALL BE ACCESSIBLE TO A PERSON IN A WHEELCHAIR AND SHALL BE MOUNTED AT NOT MORE THAN 1200MM A.F.F. ALL RECEPTACLES, TV AND TELEPHONE OUTLETS SHALL BE MOUNTED AT

300MM AFF EXCEPT IN THE H/C UNITS WHERE THEY SHALL MOUNTED AT 600MM AFF UNLESS OTHERWISE INDICATED ON THE ALL OUTLETS INSTALLED ON PERIMETER WALLS AND/OR PERFORATING THE VAPOR BARRIER SHALL BE PROVIDED WITH APPROVED POLY-HAT SEALS OR SHALL BE OF THE TYPE AS SUPPLIED BY R AND S VAPOR SEAL

8. PROTECT SMOKE DETECTORS IN PUBLIC AREAS WITH WIRE GUARDS. 9. WHERE ELECTRICAL EQUIPMENT IS INSTALLED IN SPRINKLERED AREAS, IT SHALL BE PROTECTED BY NON-COMBUSTIBLE HOODS OR SHIELDS SO ARRANGED AS TO MINIMIZE INTERFERENCE WITH THE SPRINKLER

PROTECTION. 10. ALL PANEL BREAKERS SHALL BE 15A SINGLE POLE UNLESS OTHERWISE NOTED. 1. FIXTURES SHOWN SHADED ARE FED FROM EMERGENCY CIRCUITS.

12. THE INSTALLATION SHALL COMPLY WITH THE MINISTRY OF HOUSING TECHNICAL GUIDELINE FOR FAMILY HOUSING, LATEST REVISION. 13. ALL EMERGENCY FEEDERS SHALL BE FIRE RATED IN ACCORDANCE WITH CODE REQUIREMENTS, USE PYROTENAX M.I. CABLES OR FIRE RATED ENCLOSURE. 14. ADVICE THE OWNER THAT HE REQUIRES A WRITTEN CONFIRMATION FROM THE DIESEL FUEL SUPPLIER THAT THE FUEL WILL BE

> 15. ALL 125V, SINGLE PHASE RECEPTACLES INSTALLED IN MACHINE ROOMS AND MACHINERY SPACES SHALL HAVE CLASS A GROUND FAULT CIRCUIT INTERRUPTER TYPE

+/- 10 H.

ORDERING (IF APPLICABLE). FUEL TANK

CAPACITY IS 250 GALLONS AND, AT FULL LOAD, THE GENERATOR WILL OPERATE FOR

DELIVERED WITHIN TWO HOURS FROM TIME OF

16. ENT CONDUITS WILL BE ACCEPTABLE WITHIN THE HOLLOW SUITE PARTITIONS. 7. CONFIRM THE PROPOSED GROUNDING ARRANGEMENTS WITH HYDRO INSPECTORS. IF THE MAIN WATER PIPE IS NOT SUITABLE FOR

GROUNDING, PROVIDE ADEQUATE GROUNDING RODS IN ACCORDANCE WITH CODE. 18. CONDUITS IN SHEAR WALLS SHALL NOT RUN HORIZONTALLY ON SAME PLANE AND PARALLEL TO EACH OTHER. SEPARATE THEM TO MAINTAIN THE STRUCTURAL INTEGRITY.

FORMING CONTRACTOR FROM YOUR DIRECTIONS. 20. EXTERIOR POLE BASES WILL BE BY OTHERS. PROVIDE CONDUITS TO SUIT. 21. PROVIDE FIRE STOPPING WHEN PENETRATING FIRE RATED ASSEMBLIES TO SUIT CODES.

19. ALL SLEEVING WILL BE PROVIDED BY THE

BOILER ROOM NOTES: ALL LIGHTING LOCATED IN BOILER ROOM SHALL BE CHAIN SUSPENDED TO CLEAR ALL MECHANICAL INTERFERENCES, PIPES,

DUCTWORK, ETC. !. ELECTRICAL CHARACTERISTICS OF ALL MECHANICAL EQUIPMENT SHALL BE CHECKED AND CONFIRMED PRIOR TO ROUGHING IN. SUPPLY AND INSTALL EMERGENCY SHUT-DOWN SWITCHES FOR GAS FIRED BOILERS. 4. FIRE ALARM SYSTEM TO BE INTERCONNECTED WITH CORRIDOR AIR UNIT TO SHUT DOWN UNITS ON FIRE SIGNAL.

PRESSURIZATION FANS SHALL START AUTOMATICALLY ON FIRE SIGNAL. SMOKE DETECTORS (SUPPLIED AND INSTALLED BY ELECTRICAL DIVISION) MOUNTED IN DUCT ENCLOSURES SHALL SHUT DOWN FAN UPON DETECTING SMOKE, PROVIDE REMOTE DETECTOR

PROVIDE DEDICATED 120V RECEPTACLE OUTLETS FOR MECHANICAL PLUG-IN EQUIPMENT AS REQUIRED. CONFIRM LOCATION

ALL EQUIPMENT LOCATED IN ELEVATOR MACHINE ROOM SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURE'S SHOP

THE CONTRACTOR IS TO CONFIRM: SIZES OF ELEVATOR FEEDERS, LOCATION OF EQUIPMENT IN ELEVATOR MACH ROOM, LOCATION OF DEVICES IN ELEVATOR PIT, AND SWITCHES WITH ELEVATOR MANUFACTURER PRIOR TO INSTALLATION. FUSETRON FUSES SHALL BE SIZED IN

ACCORDANCE WITH ELEVATOR MANUFACTURER'S SHOP DRAWINGS, 4. ELEVATOR CONTROLS SHALL BE SUCH THAT ONLY ONE ELEVATOR AT A TIME OPERATES UNDER EMERGENCY POWER CONDITIONS. 5. RUN 6 #12-25C FROM FIRE ALARM CONTROL PANEL TO ELEVATOR CONTROLLER FOR FIRE ALARM SERVICE OPERATION. PROVIDE FOR ALL REQUIRED INTERFACES TO ACTIVATE FLASHING LIGHTS WITHIN CAB(S) INDICATING ALARM ORIGINATING IN ELEVATOR MACHINE ROOM OR RELEVANT ELEVATOR SHAFT(S), INCLUDED AS PART OF F/A SYSTEM

6. RUN 8 #18-25C FROM ELEVATOR MACHINE ROOM TO FIRE ALARM CONTROL FACILITIES. EXACT TERMINATION TO SUIT ELEVATOR

PROVIDE AND INSTALL EMERGENCY TELEPHONE SYSTEM BETWEEN FACH FLEVATOR CAB AND FIRE ALARM CONTROL FACILITY. EMERGENCY TELEPHONE SHALL BE MANUFACTURED BY MIRCOM OR APPROVED EQUAL (MASTER PHONE TYPE EIS-100 IN CACF, CAB STATION TYPE EIS-110, IN EACH ELEVATOR CAB.)

D. PROVIDE AND INSTALL AN EMERGENCY BUZZER

PROVIDE AND INSTALL CONDUIT SYSTEM FOR EMERGENCY TELEPHONE BETWEEN EACH ELEVATOR CAB AND SECURITY AGENCY. 9. ELEVATOR SUPPLIER TO PROVIDE TELEPHONE CABINET INSIDE EACH ELEVATOR CAB AND CABLE CONNECTION BETWEEN EACH ELEVATOR CAB AND ELEVATOR MACHINE ROOM.

IN THE SUPERINTENDENT BUILDING STATUS FIRE ALARM SYSTEM NOTES: THE COMPLETE INSTALLATION SHALL BE

SUPPLIED, AND INSTALLED BY ONE MANUFACTURER, VERIFICATION TO BE COMPLETED BY THIRD PARTY COMPANY. THE SYSTEM SHALL BE INSTALLED AND WIRED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND SHALL INCLUDE ALL REQUIREMENTS OF THE LOCAL FIRE MARSHALL'S OFFICE AND IN ACCORDANCE WITH U.L.C. STANDARDS.

3. ALL WIRING TO BE EMT CONDUIT. 4. THE SYSTEM SHALL BE EQUIPPED WITH ADDITIONAL CONTROLS THAT ARE CAPABLE OF STOPPING AIR HANDLING SYSTEM UPON ACTIVATION OF FIRE ALARM SYSTEM.

SUPERVISING THE ENTIRE SYSTEM FOR A PERIOD OF 24 HOURS AND OF RINGING ALL SIGNAL DEVICES FOR A PERIOD OF 30 MINUTES AT THE END OF THAT 24 HOUR PERIOD. EACH SOURCE OF POWER SHALL BE INDEPENDENTLY CAPARIE OF OPERATING THE ENTIRE FIRE ALARM SYSTEM UNDER ALARM CONDITIONS. BATTERIES SHALL BE RE-CHARGEABLE NI-CAD IN ACCORDANCE WITH

U.L.C.STANDARD SECTION 3.2.4.2. 6. THE FIRE ALARM SHALL BE DESIGNED TO NOTIFY THE MUNICIPAL FIRE CONTROL CENTRE OR SECURITY COMAPNY. PROVIDE ORIENTATION PLAN AT FIRE ALARM ANNUNCIATOR.

WITH ONTARIO BUILDING CODE.

8. WIRING SHALL BE FIRE RATED IN ACCORDANCE

9. INTERCONNECT SMOKE ALARMS IN ALL SUITES WHERE BEDROOMS ARE IN SEPARATE AREAS. 10. ALL FIRE HORNS OR SOUNDING DEVICES IN SUITES, TO BE EQUIPPED WITH SILENCING SWITCH AS PER NEW O.B.C. REQUIREMENTS.

TYPICAL SUITES NOTES: INSTALL RECEPTACLES IN SUITES SO THAT EVERY POINT OF USABLE SPACE IS WITHIN 1800MM FROM A RECEPTACLE WHEN MEASURED ALONG THE WALL AT FLOOR LEVEL,

. SPACE OUTLETS ON PARTY WALLS 450MM APART TO MAINTAIN FIRE SEPARATION. . VERIFY LOCATION OF SUSPENDED CEILINGS FROM THE ARCHITECTURAL DRAWINGS PRIOR TO ROUGHING-IN OF OUTLET BOXES.

. VERIFY LOCATION OF BATHROOM SWITCHES AND HEATERS WITH HYDRO INSPECTOR PRIOR TO ROUGHING-IN. INSURE THAT SWITCH LOCATION DOES NOT INTERFERE WITH CLOSING OF CLOSET DOORS. 6. PROVIDE A 60W-A LAMP FOR EACH RANGE H

8. ALL RECEPTACLES SHALL BE PROTECTED BY ARC-FAULT INTERRUPTERS.). ALL RECEPTACLES LOCATED WITHIN 3M OF BASINS AND BATHTUBS IN WASHROOMS SHALL BE PROTECTED BY GFI BREAKERS OF THE CLASS A

. MOUNT SUITE THERMOSTATS AT 1500MM A.F.F.

O. ALL RECEPTACLES LOCATED WITHIN 1.5M OF KITCHEN SINKS ALONG THE WALL BEHIND THE COUNTERS SHALL BE PROTECTED BY GFI BREAKERS OF THE CLASS A TYPE. 11. PROVIDE WHITE DECOR SWITCHES/RECEPTACLES

. ALL LIGHT FIXTURES IN THE PARKING GARAGE SHALL BE TYPE 'F2', 8'-0" COMPLETE WITH H LAMPS, -18 DEGREE BALLAST AND WIRE GUARI . MOUNT ALL EXIT SIGNS SO THAT THE BOTTOM (THE FIXTURE IS 2000MM A.F.F. RIGIDLY SUSPEND THE FIXTURE ON 2-3/4" CONDUITS. . PROVIDE LOCKABLE COVERS FOR ALL STARTERS,

THERMOSTATS, CONTROLS, DISCONNECT SWITCHES

INSPECTION DEPARTMENT, PROVIDE SEPARATE

ETC. (SUPPLIED FROM ANY SOURCE). 4. ALL LIGHTING FIXTURES IN STORAGE ROOMS SHALL BE TYPE 'F2' UNLESS NOTED OTHERWISE. . ALL EMT CONDUITS AND METAL BOXES SHALL SURFACE MOUNTED, ENT (FLEXIBLE PVC CONDUIT MAY BE USED IN THE SLABS OR EMBEDDED IN CONCRETE TO THE APPROVAL OF THE ELECTRICAL

6. COORDINATE LOCATION AND QUANTITY OF DRUM DRIPS HEATING CABLES WITH DIV. 15 AND TO SUIT SPRINKLER SYSTEM SHOP DRAWINGS PRIOR TO ROUGHING-IN.

RAMP HEATING NOTES:

GROUNDING WIRE IN PVC CONDUITS.

SUPPLY AND INSTALL ALL PYROTENAX HEATING CABLES AS SHOWN AND IN STRICT ACCORDANCE WITH MANUFACTURER INSTRUCTIONS (SHEET #

COMPLETE SLOPED AREA OF THE RAMP. . THE HEATING CABLES AND THERMOSTAT CAPILLARY SHALL BE SUPPLIED WITH NYLON 4. SIZE HEATING CABLES TO INCLUDE THE HEATING

. THE HEATING CABLES SHALL COVER THE

5. GROUND FAULT PROTECTION SHALL BE PROVIDED FOR ALL ELECTRIC HEATING CABLE SETS AND HEATING PANEL SET.

OF THE TRENCH DRAIN AT THE BOTTOM OF THE

PIPE TRACING NOTES:

PIPE LOCATION AND SIZES ARE SHOWN FOR PRICING PURPOSES ONLY, 2. EXAMINE PIPING INSTALLATION FOR EXACT LOCATION AND SIZES PRIOR TO ORDERING OF THE TRACING CABLE. . HEATING CABLES AND THERMOSTATS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS (PYROTENAX SHEET #H2009/1/11).

4. ALL PIPE TRACING CABLES SHALL BE PYROTENAX: A. PIPES UP TO 65MM - TYPE 'PY4' 120V,13W/M. B. PIPES 75MM TO 150MM - TYPE 'PY8' 120V 26W/M. C. PIPES 200MM TO 300MM - 2X TYPE 'PY8'.

5. PROVIDE A CONTROLLING THERMOSTAT TYPE 4688WP FOR ALL HEATING CABLES. 6. CUT HEATING CABLES TO LENGTH ON SITE. . ELECTRICALLY TRACE ALL DRUM DRIPS, SUMP PUMP RISERS, AND GARAGE FIRE HOSE CABINETS EXPOSED TO FREEZING TEMPERATURES.

APPROVAL OF FIXTURES PENDING SUBMISSION OF CALCULATIONS AS DETAILED BELOW. SUBMIT POINT BY POINT CALCULATIONS FOR THE FOLLOWING - TYPICAL CORRIDOR - TYPICAL GARAGE AREA - LANDSCAPED OUTDOOR AREAS

. INTERIOR DESIGN FIXTURES TO BE APPROVED BY THE INTERIOR DESIGNER. 3. ALL FIXTURES INSTALLED IN I.C. RATED CEILINGS TO BE I.C RATED 4. PROVIDE QUARTZ RESTRIKE FOR ALL HID

FIXTURES FED FROM THE EMERGENCY POWER. **EMERGENCY INTERCOM NOTES:** . EXACT LOCATION OF HANDICAPPED SUITES AS PER ARCHITECTURAL PLANS. . MASTER INTERCOM STATION TO BE LOCATED IN SUPERINTENDENT'S SUITE OR IN RECEPTION AREA IF SUPERINTENDENT'S SUITE IS NOT AVAILABLE.

CONFIRMED ON SITE WITH OWNER. . THE SYSTEM SHALL BE MIRTONE #ECC-50. OR EQUAL, COMPLETE WITH ECC-201"AND ECC-240 AND ALL OTHER DEVICES AS NECESSARY FOR A COMPLETE EMERGENCY CALL AND COMMUNICATION

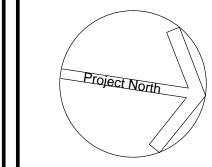
FINAL LOCATION OF MASTER STATION TO BE

. KITCHEN SPLIT RECEPTACLE OUTLETS SHALL BE INSTALLED ON THE FACE OF THE KITCHEN

FAN AND LIGHT ACCESSIBLE TO A PERSON IN A WHEELCHAIR. 4. TV AND TELEPHONE OUTLETS SHALL BE MOUNTED 600MM AFF. INTERCOM OUTLET, LIGHT SWITCHES AND THERMOSTATS AS APPLICABLE SHALL BE MOUNTE

6. PROVIDE A 60W LAMP IN EACH RANGE HOOD.

. PROVIDE SEPARATE SWITCHES FOR RANGE HOOD



etc. on this drawing.

graphic representations only.

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REVISED AS PER ESA COMMENTS AND

DESCRIPTION

REVISIONS

Engineering Inc. The contractor must verify and

iccuracy of Architectural, structural, interior design

conform to all applicable codes and requirements

This drawing is not to be scaled, all symbols are

Refer to the appropriate trade drawings before

proceeding with any work. Installation must

of the authorities having jurisdiction.

This drawing, is an instrument of service, is

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conditions on site and must notify United

Engineering Inc. of any discrepancy before

accept responsibility for all dimensions and

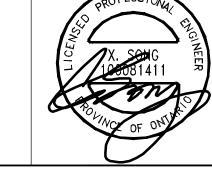
■ 06 CM ISSUED FOR AS PER SI E-3

04 CM PROGRESS FOR CONSTRUCTION

CM ISSUED FOR PERMIT

CM | FOR CLARIFICATION

CM ISSUED FOR TENDER



2017-09-1

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2017-07-18

2016-03-1

DATE



DETAILS - B **ELECTRICAL**

PROPOSED RESIDENTIAL DEVELOPMENT 25 BAKER HILL BLVD.

> ROYAL PINE HOMES STOUFFVILLE, ONTARIO

SCALE N.T.S. DRAWING PROJECT SEPT. 2015