



- 1) COMMUNICATION CABLE REQUIREMENTS:
 - a) PLACE 24" FULL BOX ON BUILDING WALL WHERE ENTRANCE SUB DUCT ENTERS BUILDING SO DUCT CAN BE SEALED AFTER ENTRANCE CABLE IS PLACED TO PREVENT WATER AND GASES SEEPING INTO BUILDING.
 - b) CONDUIT TERMINATION AT THE PROPERTY LINE TO BE MARKED WITH A 2"x4" STAKED INTO THE GROUND APPROXIMATELY 3' HIGH MARKED "BELL".
 - c) INSIDE THE BUILDING, CONDUIT MUST BE BMT (FIRE RATED ELECTRICAL METALLIC TUBING) Ø36mm (35') OR 32mm (4") INSIDE DIAMETER, TO ENSURE THE SUCCESSFUL PLACEMENT AND TO AVOID DAMAGING THE CABLE DURING THE PLACING OPERATION, 1" METER" FULL BOXES ARE REQUIRED AT 90 DEGREE BENDS WITHIN THE BUILDING.
 - d) CONDUIT LENGTHS OVER 30m HAVE A PULL ROPE.
 - e) ALL CONDUITS TO BE FREE AND CLEAR OF OBSTRUCTIONS AS A BLOCKAGE AT THE TIME OF CABLE PLACEMENT WILL RESULT IN A DELAY OF SERVICE UNTIL THE PATH HAS BEEN CLEARED AT THE OWNER'S EXPENSE.
 - f) 4"x8"x1/4" FIRE RETARDANT PLYWOOD BACKBOARD FASTENED TO WALL IN AN AREA ACCESSIBLE WITHOUT THE USE OF A LADDER WHERE IT IS POSSIBLE FOR A TECHNICIAN TO WORK WITHOUT BLOCKING A PASSAGEWAY AND WHERE THE EQUIPMENT MOUNTED WILL NOT BE DAMAGED BY DOORS OR ANY MOVING OBJECTS.
- 2) THE CONTRACTOR SHALL VERIFY THE LOCATION OF TELECOMMUNICATION DUCT BANK WITH BELL/ROGERS.
- 9) REFER TO LANDSCAPE DRAWINGS FOR DETAILED LAYOUT, LANDSCAPE LIGHTS SHALL BE CONTROLLED BY A TIMER/CONTROLLER TO LOCATED NEAR 'ELP-1E' AND CONNECT TO 'ELP-E2'.
- 10) PROVIDE 1" CONDUIT C/W PULL STRING FROM IRRIGATION CONTROL PANEL TO IRRIGATION CONTROL POINT. FOR QUANTITY & LOCATIONS OF IRRIGATION POINTS REFER TO IRRIGATION DRAWINGS.
- 11) RESERVED.
- 12) RESERVED.
- 15) FOR CIRCUITING REFER TO TABLE #1.
- 14) W2 LIGHT FIXTURES FOR GRADE SUITES TO BE CONNECTED TO SUITE ELECTRICAL PANEL. MOUNTING HEIGHT FOR W2 IS CENTERED 2350mm AFF. REFER TO ARCHITECTURAL/LANDSCAPE DRAWINGS FOR MOUNTING HEIGHT AND EXACT LOCATION OF LIGHT FIXTURE.
- 15) MOUNTING HEIGHT FOR W2 IS CENTERED 2350mm AFF. REFER TO ARCHITECTURAL/LANDSCAPE DRAWINGS FOR MOUNTING HEIGHT AND EXACT LOCATION OF LIGHT FIXTURE.

SNOW MELTING - RAMP - ASPHALTIC CONCRETE				QUANTITY	
CAT *		DESCRIPTION			
PYROTENAX	SUB9	HDPE JACKETED COPPER SHEATHED MI HEATING CABLE (PI)		6 EACH	
PYROTENAX	DISTENTM4	JUNCTION BOX (3 ENTRY)		6 EACH	
DIGITRACE	SPMG3	SNOW MELTING AND DE-ICEING POWER DISTRIBUTION AND CONTROL PANEL 600V		1 EACH	
ETI	CIT-1	OVERHEAD SNOW SENSOR		1 EACH	
ETI	SIT-6E	PAVEMENT MOUNTED SENSOR - (OPTIONAL REPLACEMENT FOR OVERHEAD SENSOR FOR BETTER SENSING)		0 EACH	
	SMC6	SNOW MELT CAUTION SIGN		2 EACH	
PYROTENAX	SPACERGALV	GALVANIZED PREFURCHED STRAPPING (REQUIRED FOR TWO-POUR CONCRETE AND FOR ALL ASPHALT INSTALLATIONS)		5 ROLL	

NOTES:

- THE SYSTEM SHALL BE PENTAIR 600V, 3ø 54kW.
- THE INSTALLATION SHALL COMPLY WITH PENTAIR'S MANUFACTURER'S RECOMMENDATION.
- CONTRACTOR TO VERIFY MATERIAL LIST IS SUITABLE FOR THE ACTUAL SITE MEASUREMENTS AND CONDITIONS.

(11) THE CABLES RUNNING TO AND FROM HV TRANSFORMER IN DUCT BANKS SHALL BE EXTERNALLY RUBBER LINED BY CONTRACTOR TO PREVENT VIBRATION TRANSMISSION TO GROUND FLOOR SLAB. (FOR CUSTOM OWNED TRANSFORMERS - SOME CASES ONLY)

(12) THE CABLES RUNNING TO AND FROM THE HV TRANSFORMER IN DUCT BANKS SHALL BE EXTERNALLY RUBBER LINED BY CONTRACTOR TO PREVENT VIBRATION TRANSMISSION TO GROUND FLOOR SLAB. (FOR CUSTOM OWNED TRANSFORMERS-SOME CASES ONLY)

TRENCH DRAIN - TO BE EMBEDDED IN CONCRETE - 208V, IPIH			
1	EA	B/16 IHE4800/150/3300/208/15/H35A7/N/2	FOR TRENCH DRAIN 350MM X 2282MM, ECO-PA - ENGINEERED JACKETED COPPER HEATING UNIT DESIGN A - 46', 3900U 208V, 15/15 COLD LEAD TO ORDER - FREIGHT EXTRA

(13) MOUNTING HEIGHT FOR 61 LIGHT FIXTURE IS 3250mm AFF. REFER TO ARCHITECTURAL/LANDSCAPE DRAWINGS FOR MOUNTING HEIGHT AND EXACT LOCATION OF LIGHT FIXTURE.

(14) TRUCK WARNING SYSTEM DESIGN REQUIREMENTS SHALL BE CONFIRMED BY SUPPLIER. THIS LAYOUT FOR INFORMATION ONLY.

KEY PLAN