

Example of NCS detailed lighting audit and analysis

EXISTING SYSTEM								PROPOSED SYSTEM				
LOCATION	FIXTURE CODE	LAMP TYPE	WATTS	QTY	HRS	CEILING		FIXTURE CODE	LAMP TYPE	WATTS	QTY	HOURS
						HGT	TYPE					
1 Front Parking Lot	1 Lamp Metal Halide Pole	PSMH 320W Med/Mogul Base	342	2	4,380	25	Metal	180W LED Flood Head	180W LED Flood	180	2	4,380
2 Front Parking Lot	2 Lamp Metal Halide Pole	PSMH 320W Med/Mogul Base	684	2	4,380	25	Metal	180W LED Flood Head	180W LED Flood	180	4	4,380
3 Building Front Flag	1L Flag Light	MH 1000W Mogul Base 1L	1080	1	4,380	2	Ground Mount	144W LED Spot Light	144W LED Spot	144	1	4,380
4 Front Wall of Bldg.	2L WM Lantern	2L-40W Candelabra Flame	80	3	4,380	6	Concrete	Re-Lamp to Candelabra Flame LED	2W Candelabra Flame	2	3	4,380
5 Porch Canopy	Incandescent Recessed C	INC A19 STANDARD	100	6	4,380	10	Concrete	Re-Lamp to 1L-A19 LED 9W	1L-9W A19 LED	9	6	4,380
6 Building Entry	2L WM Lantern	2L-40W Candelabra Flame	80	4	4,380	6	Concrete	Re-Lamp to Candelabra Flame LED	2W Candelabra Flame	2	4	4,380
7 Courtyard	1L WM Lantern	INC A19 STANDARD	100	2	4,380	10	Concrete	Re-Lamp to 1L-A19 LED 9W	1L-9W A19 LED	9	2	4,380
8 East Wall Entry Door	1L WM Lantern	INC A19 STANDARD	300	1	4,380	10	Concrete	Re-Lamp to 1L-A19 LED 9W	1L-9W A19 LED	9	1	4,380
9 East Wall Entry Door	2L WM PAR 38 Flood	INC HALOGEN PAR 38	90	2	4,380	10	Concrete	Relamp to 15W PAR38 LED	15W PAR38 LED	15	2	4,380
10 South Wall	1L WM Lantern	INC A19 STANDARD	100	2	4,380	10	Concrete	Re-Lamp to 1L-A19 LED 9W	1L-9W A19 LED	9	2	4,380
11 West Wall	1L WM Lantern	INC A19 STANDARD	100	4	4,380	10	Concrete	Re-Lamp to 1L-A19 LED 9W	1L-9W A19 LED	9	4	4,380
12 West Wall	2L WM PAR 38 Flood	INC HALOGEN PAR 38	90	4	4,380	10	Concrete	Relamp to 15W PAR38 LED	15W PAR38 LED	15	4	4,380
13 West Parking Lot	2 Lamp Metal Halide Pole	PSMH 320W Med/Mogul Base	684	2	4,380	25	Metal	180W LED Flood Head	180W LED Flood	180	4	4,380
14 West Wall	1 Lamp Metal Halide Wall	MH 150W Med. Base 1L	173	1	4,380	10	Concrete	47W LED Wallpack Flood	47W Small LED WP	47	1	4,380
15 North Wall	1L WM Lantern	INC A19 STANDARD	100	2	4,380	10	Concrete	Re-Lamp to 1L-A19 LED 9W	1L-9W A19 LED	9	2	4,380
16 North Wall	Incandescent Recessed C	INC A19 STANDARD	100	2	4,380	10	Concrete	Re-Lamp to 1L-A19 LED 9W	1L-9W A19 LED	9	2	4,380
17 North Drive	1 Lamp Metal Halide Pole	PSMH 320W Med/Mogul Base	342	2	4,380	25	Metal	180W LED Flood Head	180W LED Flood	180	2	4,380
18 Delivery Area	1 Lamp Metal Halide Wall	MH 400W Mogul Base 1L	454	1	4,380	10	Concrete	96W LED Wallpack Flood	96W LED WP Flood	96	1	4,380
19 Foyer	Chandelier 6L CFL	6L-Candelabra CFL 8W	48	1	4,380	9	Sheet Rock	Relamp To 2W Candelabra LED	6L-2W Candelabra LED	12	1	4,380
20 Guest Restroom	Lay-in Troffer 2x4	F32T8 4' 32W 2L	58	1	2,100	9	T-Grid 2 x 4	Retrofit to 2L-4'/15W T8 LED	2L-4'/15W T8 LED	33	1	2,100
21 Resident RR	Lay-in Troffer 2x4	F32T8 4' 32W 2L	58	1	2,100	9	T-Grid 2 x 4	Retrofit to 2L-4'/15W T8 LED	2L-4'/15W T8 LED	33	1	2,100
22 Elevator	INCANDESCENT Porcelain	CFL Spring 23W	23	1	8,760	9	Metal	Re-Lamp to 1L-A19 LED 9W	1L-9W A19 LED	9	1	8,760
23 Bsmt. Env. Office	Wrap 2x4	F32T8 4' 32W 4L	110	1	4,380	9	T-Grid 2 x 4	1x4 SM Flat Panel	40W LED Panel	40	2	4,380
24 Bsmt. Env. Office RR	INC Vanity Strip 1'	INC A19 STANDARD	60	1	4,380	8	Sheet Rock	Relamp to 6W A19 LED	6W A19 LED	6	1	4,380
25 Room B6	Wrap 1x4	F32T8 4' 32W 2L	58	3	4,380	9	T-Grid 2 x 4	Retrofit to 2L-4'/15W T8 LED	2L-4'/15W T8 LED	33	3	4,380
26 Room B6	Deep Cell Parabolic 2x4	F32T8 4' 32W 2L	58	1	4,380	9	T-Grid 2 x 4	Retrofit to 2L-4'/15W T8 LED	2L-4'/15W T8 LED	33	1	4,380
27 Room B8	Wrap 1x4	F32T8 4' 32W 2L	58	1	4,380	9	T-Grid 2 x 4	Retrofit to 2L-4'/15W T8 LED	2L-4'/15W T8 LED	33	1	4,380
28 Room B8	Incandescent Wall Mount	INC A19 STANDARD	60	1	4,380	8	Sheet Rock	Relamp to 6W A19 LED	6W A19 LED	6	1	4,380