



- ### GENERAL PHOTOMETRIC NOTES
- PARKING LOT LUMINAIRES SHALL BE AS FOLLOWS:
- OA: MANUFACTURER: LITHONIA LIGHTING LUMINAIRE CATALOG NO.: KV-1000M-SYMF-L-480-RP12-DF-LJP SINGLE OR TWIN AS SHOWN.
 - OB1: MANUFACTURER: LITHONIA LIGHTING LUMINAIRE CATALOG NO.: KV-1000M-ASYMFL-480-RP12-DF-LJP-HS SINGLE OR TWIN AS SHOWN.
 - OB: MANUFACTURER: LITHONIA LIGHTING LUMINAIRE CATALOG NO.: KV-1000M-ASYMFL-480-RP12-DF-LJP SINGLE OR TWIN AS SHOWN.
 - E1: MANUFACTURER: LITHONIA LIGHTING LUMINAIRE CATALOG NO.: TWH-1000M-277-SF-NAHD-FS (FULL SHIELD)
 - E1: MANUFACTURER: LITHONIA LIGHTING LUMINAIRE CATALOG NO.: TWH-1000M-277-SF-NAHD-FS (FULL SHIELD)
 - E5: MANUFACTURER: LITHONIA LIGHTING LUMINAIRE CATALOG NO.: TFR-400M-TA-277-SCWA-4S-SF-TFRFV TILT ANGLE: 45 DEGREES FROM HORIZONTAL- FULL EXTERNAL VISOR
 - WW1: MANUFACTURER: LITHONIA LIGHTING LUMINAIRE CATALOG NO.: W61-100M-TF-277-SF-NAHD
 - OC: MANUFACTURER: LITHONIA LIGHTING LUMINAIRE CATALOG NO.: TFR-400M-TA-277-SF-TFRAB-NAHD-TFRFV TILT ANGLE: 75 DEGREES FROM HORIZONTAL- FULL EXTERNAL VISOR
- A. ALL ON PARKING LOT POLES WILL BE LITHONIA POLE RTS-375-68-DM000-DOB-NAHD-480-AB88-0. ALL OB AND OB1 PARKING LOT POLES WILL BE LITHONIA POLE RTS-27-58-DM000-DOB-BC-NAHD-480-AB88-0. ALL POLES WILL BE 40'-0" OR LESS IN HEIGHT.
- B. ALL NECESSARY MOUNTING BRACKETS, CONG. BASES, ANCHOR BOLTS, SHOULD BE PROVIDED FOR COMPLETE INSTALLATION.
- C. FIXTURE AND POLES ARE TO BE PROVIDED COMPLETE WITH BALLASTS, SOCKETS, LAMPS, ACCESS PLATES, AND ALL MOUNTING BASES AND ACCESSORIES REQUIRED FOR A COMPLETE SITE LIGHTING AND POLE MOUNTED FIXTURE INSTALLATION.
- D. ALL BALLASTS TO BE CERTIFIED BY CBM AND ETL.
- E. INSTALL POLE AND GROUND MOUNTED FIXTURES ON CONCRETE BASES AND MOUNT IN ABSOLUTE VERTICAL ALIGNMENT.
- F. ALL WIRING SHALL BE COPPER AND ROUTED IN CONDUIT.
- G. A HOUSE SIDE SHIELD SHALL BE PLACED ON ANY PERMETER LIGHT POLE THAT SHEDS EXCESSIVE LIGHT ON AN ADJACENT PROPERTY.

PHOTOMETRIC CALCULATIONS

NOTATION:	OA	NOTATION:	OB1
INITIAL LUMENS:	110000	INITIAL LUMENS:	110000
LIGHT LOSS FACTOR:	0.74	LIGHT LOSS FACTOR:	0.74
FIXTURE WATTS:	1000	FIXTURE WATTS:	1000
NUMBER LUMINAIRES:	7	NUMBER LUMINAIRES:	4
MOUNTING HEIGHT:	40 FEET	MOUNTING HEIGHT:	30 FEET

NOTATION:	E	NOTATION:	OB
INITIAL LUMENS:	32000	INITIAL LUMENS:	110000
LIGHT LOSS FACTOR:	0.74	LIGHT LOSS FACTOR:	0.74
FIXTURE WATTS:	250	FIXTURE WATTS:	1000
NUMBER LUMINAIRES:	17	NUMBER LUMINAIRES:	5
MOUNTING HEIGHT:	18 FEET	MOUNTING HEIGHT:	30 FEET

NOTATION:	E5	NOTATION:	E1
INITIAL LUMENS:	32000	INITIAL LUMENS:	5500
LIGHT LOSS FACTOR:	0.74	LIGHT LOSS FACTOR:	0.74
FIXTURE WATTS:	400	FIXTURE WATTS:	100
NUMBER LUMINAIRES:	3	NUMBER LUMINAIRES:	3
MOUNTING HEIGHT:	24 FEET	MOUNTING HEIGHT:	12 FEET

NOTATION:	OC	NOTATION:	WW1
INITIAL LUMENS:	32000	INITIAL LUMENS:	32000
LIGHT LOSS FACTOR:	0.74	LIGHT LOSS FACTOR:	0.74
FIXTURE WATTS:	400	FIXTURE WATTS:	175
NUMBER LUMINAIRES:	2	NUMBER LUMINAIRES:	9
MOUNTING HEIGHT:	18 FEET	MOUNTING HEIGHT:	24 FEET/28 FEET

ILLUMINANCE IS IN HORIZONTAL FOOTCANDLES:
TARGET PLANE AT Z = 0 FEET.

SUMMARY	
AVERAGE	13 FC
MAXIMUM	13.5 FC

THIS PLAN IS BASED UPON A SITE PLAN RECEIVED 12-08-05 FROM MATTERN & CRAIG CONSULTING ENGINEERS.

REFER TO SHEET C-3A PREPARED BY MATTERN & CRAIG CONSULTING ENGINEERS FOR PROFFERS.

THE HOME DEPOT - SITE DEVELOPMENT PLANS
FRANKLIN ROAD AND VALLEY AVENUE
SITE LIGHTING PLAN
(WITH PHOTOMETRICS)
CITY OF ROANOKE, VIRGINIA

Vertical Scale: N/A
Horizontal Scale: 1" = 30'
Commission No. 2358-A
Sheet No. E-1

Issue Date: April 14, 2008
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Checked By: WFA
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Mattern & Craig
CONSULTING ENGINEERS
ROANOKE, VIRGINIA 24016
(540) 345-5342
FAX (540) 345-7691

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