

# CCTV System

## Site Survey Worksheet

Furnished by NTS/NBFAA, version 1/07

### 1 Prepared for:

Name _____	Date _____
Address _____	Contact _____
City _____	Phone _____
Site Location _____	Contact _____
City _____	Phone _____

### 2 System Objectives:

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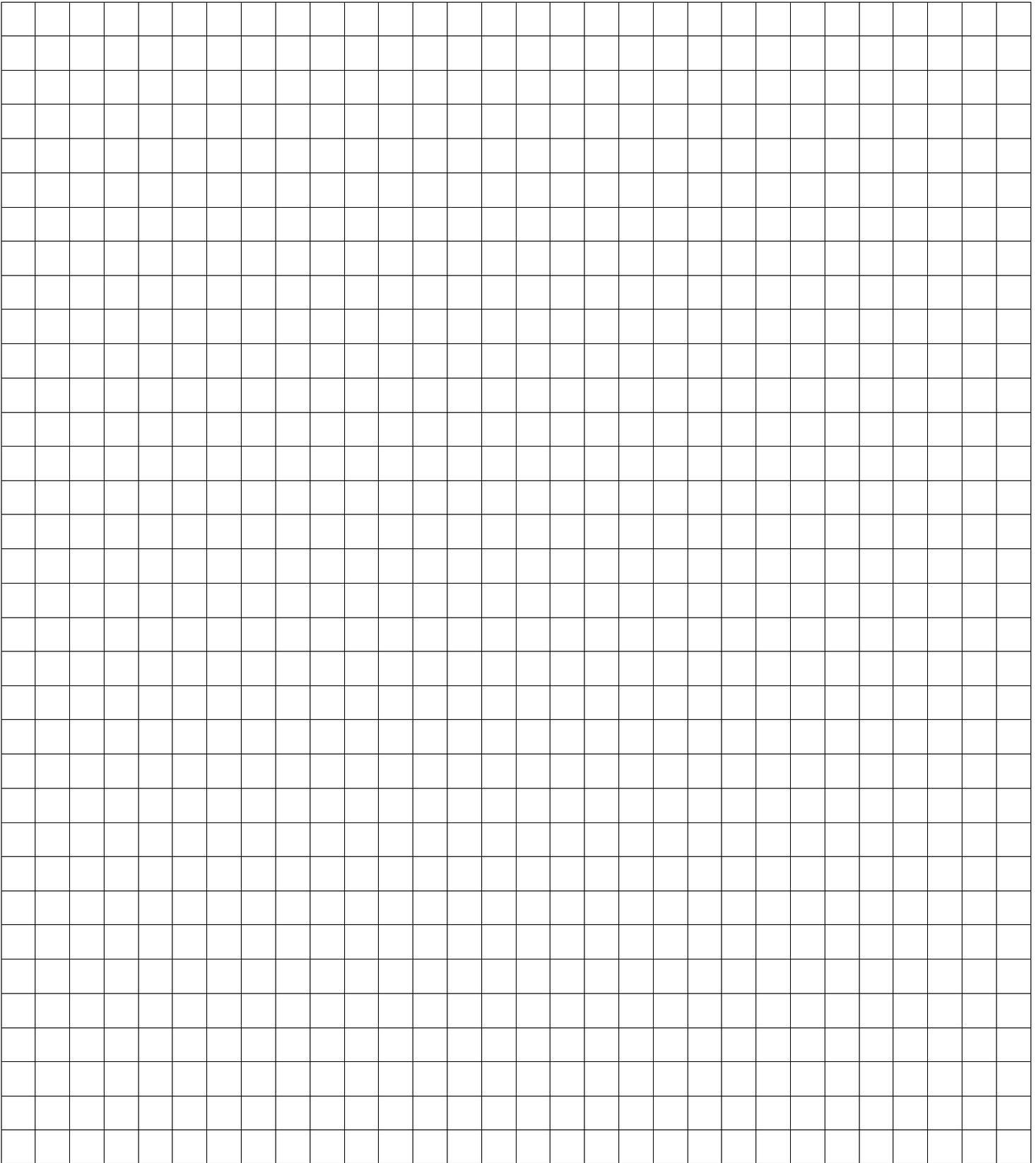
### 3 Application Layout:

Floor plan attached that includes the following.

1. Areas to be viewed - numbered and clearly outlined.
2. Camera locations – indicate and number preferred camera location for each viewed area. (Be sure to take into account lighting, background, obstructions, field of view, etc.)
3. Monitor locations – indicate preferred monitor locations.
4. Recorder and Control locations – Indicate preferred recorder and control locations.
5. Locations of existing CCTV equipment, if applicable.

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### Monitor Information:

Complete a section for each monitor in the application.

Monitor number \_\_\_\_\_

Monitor location (include who will observe) \_\_\_\_\_

Mounting: Desk \_\_\_\_\_ Wall \_\_\_\_\_ Rack \_\_\_\_\_ Other \_\_\_\_\_

How far will the observer be from the monitor? \_\_\_\_\_

Which camera or cameras will be viewed on this monitor? \_\_\_\_\_

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## Camera Information:

Complete a section for each camera in the application.

Camera number \_\_\_\_\_

Description of viewed area \_\_\_\_\_

What is the camera attempting to identify?  Personal ID  Action ID  Scene ID

Notes: \_\_\_\_\_

Is the camera  Overt  Covert Notes: \_\_\_\_\_

Camera location  Indoor  Outdoor

Is Video Motion Detection required?  Yes  No

Approximate hours of usage per day \_\_\_\_\_

Color  Black and White

### LIGHTING

What is the available level of light? (worst case scenario) \_\_\_\_\_ fc

What is the reflection factor of the scene you are trying to view? \_\_\_\_\_ %

Reflection factor on the manufacturer's data sheet \_\_\_\_\_ %

Actual reflection factor \_\_\_\_\_ %

What is the manufacturer/actual reflection factor difference? \_\_\_\_\_

Now, divide the difference by 35 \_\_\_\_\_

The resulting number will represent the f-stop loss generated by the actual scene you are dealing with. You will subtract this amount from the f-stop provided on the manufacturer's data sheet. Also, each f-stop loss represents up to a 50% reduction in the measured light.

### LENS

STEP 1  
↓  
Distance to object (feet) \_\_\_\_\_  
Divided by  
Object Area (feet) \_\_\_\_\_

STEP 2  
↓  
multiply result by camera format (mm) = \_\_\_\_\_

LENS (mm)  
↓

Lens type  Fixed  Zoom  Auto Iris  Pan/Tilt/Zoom

### AUXILLIARY

Recommended location and description of additional lighting/illuminators, if applicable \_\_\_\_\_

Housings  Smoke dome (1 f-stop loss)  Silver/Gold dome (2 f-stop loss)  Mirror dome (2 f-stop loss)  Shield  Blower/Heater  Dust  Outdoor  Other: \_\_\_\_\_

Mounting and hardware type \_\_\_\_\_

### WIRING

Acceptable wiring -  Exposed  Concealed  Conduit  Underground  Plenum

115 VAC at camera location?  No  Yes

Approximate length of wire run from camera to monitor \_\_\_\_\_

Special considerations \_\_\_\_\_

## Recorder

Recorder number \_\_\_\_\_

To record camera number(s) \_\_\_\_\_

Recorder location \_\_\_\_\_

## Switcher

Complete a section for each switcher/multiplexer in the application.

Multiplexer?  Yes  No

Switcher  Sequential  Quad Splitter

For Camera number(s) \_\_\_\_\_

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## CCTV Symbols

SYMBOL	DESCRIPTION
	VIDEO TERMINAL CABINET
	CENTRAL PROCESSING UNIT
	VIDEO DISPLAY TERMINAL
	MATRIX SWITCHER
	VIDEO SURVEILLANCE MONITOR
	ALARM ASSESSMENT VIDEO MONITOR
	VIDEO QUAD MULTIPLEXER
	VIDEO RECORDER
	FIBEROPTIC-RECEIVER
	FIBEROPTIC TRANSMITTER
	VIDEO GROUND ISOLATION TRAN
	VIDEO CONTROL KEYBOARD
	SECURITY TERMINAL
	FIBEROPTIC TERMINAL CABINET
	UNINTERUPTED POWER SUPPLY

SYMBOL	DESCRIPTION
	120V POWER SUPPLY (PROVIDED BY DIVISION 16)
	FIXED CCTV CAMERA
	EXISTING FIXED CCTV CAMERA
	PAN TILT ZOOM CCTV CAMERA ENCLOSED IN DOME, ROOF MOUNTED, WEATHER PROOF
	PAN TILT ZOOM CCTV CAMERA, ENCLOSED IN DOME, PENDANT MOUNT
	PAN TILT ZOOM CCTV CAMERA ENCLOSED IN DOME, POLE MOUNT, WEATHER PROOF
	PAN TILT ZOOM CCTV CAMERA ENCLOSED IN DOME, WALL MOUNT, WEATHER PROOF
	PAN TILT ZOOM CCTV CAMERA, ENCLOSED IN DOME, RECESSED IN CEILING
	PAN TILT ZOOM CCTV CAMERA ENCLOSED IN DOME, SURFACE MOUNT UNDER CONCRETE DECKING

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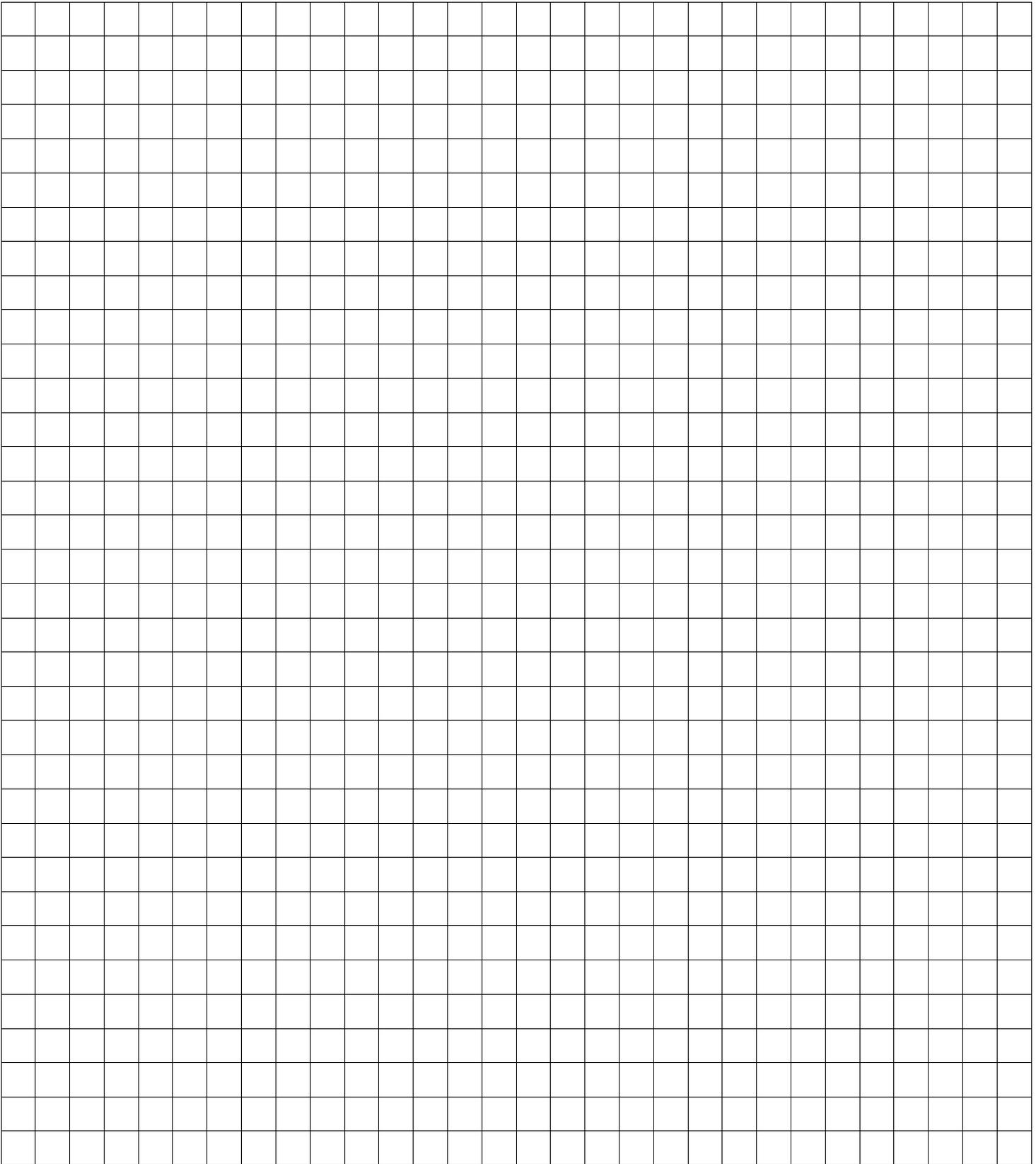
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