CITY HALL
GENETEC ACCESS CONTROL SYSTEM

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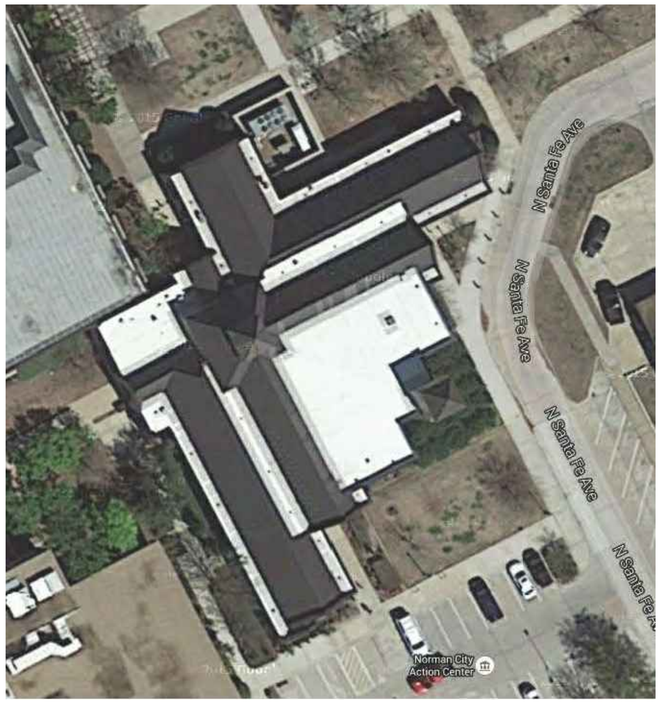

NORMAN CITY HALL
201 W. GRAY
NORMAN, OK 73071

No.	Date	Revision				
			Drawn by: ZP	Date: 11/13/15	Drawing Title	CITY OF NORMAN GENETEC ACCESS CONTROL SYSTEM CITY HALL COVER SHEET
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			Checked by: ZP	Project No.: 4353		
			Engineered by: JB			
				SHEET 1 OF 1		

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Drawing No: TY000

SECURITY SYMBOLS

- CARD READER WITH PIN
- MOTION SENSOR - REQUEST TO EXIT
- PCU — PREMISE CONTROL UNIT
- ELECTRIC STRIKE
- HSS (HIGH SECURITY SWITCH)
- FIXED CAMERA (BID ALTERNATE, NIC)

ABBREVIATIONS LIST

ABO	ALTERNATIVE BID OPTIONS
ACS	ACCESS CONTROL SYSTEM
AFF	ABOVE FINISHED FLOOR
AWG	AMERICAN WIRE GAUGE
BCC	BACKBONE COPPER CABLE
BKBD	BACKBOARD
BSMT	BASEMENT
CAT 6 SH	4-PAIR, CATEGORY 6 UTP SHIELDED CABLE
CATV	COMMUNITY ANTENNA TELEVISION
CD	CABLE DUCT
CER	COMMUNICATIONS EQUIPMENT ROOM
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CLST	CLOSET
CMH	COMMUNICATIONS MAINTENANCE HOLE
COMM	COMMUNICATIONS
CT	CABLE TRAY
DEMO	DEMOLITION
DIST	DISTRIBUTION
Dp.	DEEP OR DEPTH
EES	EARTH ELECTRODE SYSTEM
EF	ENTRANCE FACILITY
EMT	ELECTRICAL METALLIC TUBING
ENL	EXISTING NEW LOCATION
ESS	ELECTRONIC SECURITY SYSTEM
ETM	EXISTING TO MOVE
ETR	EXISTING TO REMAIN
ETBR	EXISTING TO BE REMOVED
FMT	FLEXIBLE METALLIC TUBING
FOC	FIBER OPTIC CABLE
GFGI	GOVERNMENT FURNISHED GOVERNMENT INSTALLED
GFCI	GOVERNMENT FURNISHED CONTRACTOR INSTALLED
GICF	GOVERNMENT INSTALLED CONTRACTOR FURNISHED
GND	GROUND
HH	HAND HOLE
HSS	HIGH SECURITY SWITCH
IAW	IN ACCORDANCE WITH
IC	INTERMEDIATE CROSS-CONNECT
IDC	INSULATION DISPLACEMENT CONNECTOR
IDF	INTERMEDIATE DISTRIBUTION FRAME
IDS	INTRUSION DETECTION SYSTEM
IMC	INTERMEDIATE METAL CONDUIT
LAN	LOCAL AREA NETWORK
Lg.	LONG OR LENGTH
MAX	MAXIMUM
MH	MAINTENANCE HOLE
MIN	MINIMUM
MM	MULTIMODE FIBER
MNS	MASS NOTIFICATION SYSTEM
MSB	MAIN SERVICE BUS
MTD	MOUNTED
NEC	NATIONAL ELECTRICAL CODE
NIC	NOT IN CONTRACT
OSP	OUTSIDE PLANT
PCU	PREMISE CONTROL UNIT
PET	PROTECTED ENTRANCE TERMINAL
PON	PASSIVE OPTICAL NETWORK
PR	PAIR
PT	POINT
PTZ	PAN, TILT, ZOOM
PVC	POLY VINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
RM	ROOM
RMC	RIGID METAL CONDUIT
RU	RACK UNIT
SCTP	SCREENED TWISTED PAIR
SHT	SHEET
SM	SINGLEMODE FIBER
STP	SHIELDED TWISTED PAIR
TBL	TABLE
TGB	TELECOM GROUNDING BUS BAR
TMGB	TELECOM MAIN GROUNDING BUS BAR
TR	TELECOM ROOM
TV	TELEVISION
TYP	TYPICAL
UL	UNDERWRITERS LABORATORY
U.N.O.	UNLESS NOTED OTHERWISE
UTP	UNSHIELDED TWISTED PAIR
VMS	VIDEO MANAGEMENT SYSTEM
VSS	VIDEO SURVEILANCE SYSTEM
W/	WITH
Wd.	WIDE OR WIDTH

SECURITY SYSTEM - GENERAL NOTES

1. ALL CONDUITS SHALL BE IMC. PROVIDE PULL STRING IN ALL EMPTY CONDUIT RUNS. PULL STRING SHALL BE RATED FOR 200 lbs. IN ALL CONDUITS.
2. PROVIDE PULL BOXES NO MORE THAN 100' APART AND PER EVERY 180 DEGREES OF BEND IN CONDUIT RUNS.
3. COORDINATE LOCATION OF ALL SECURITY DEVICES WITH PLANS AND ELEVATIONS.
4. NO CONDULETS OR FITTINGS SHALL BE USED. NO SCREW CONNECTORS OR COUPLERS ALLOWED.
5. PROVIDE BLANK COVER PLATE FOR ALL UNUSED JUNCTION BOX LOCATIONS.
6. ALL SLEEVES AND PENETRATIONS SHALL BE ACOUSTICALLY AND FIRE TREATED TO MEET WALL RATING.
7. ALL PULLBOX COVERS SHALL BE SECURED WITH TAMPER PROOF SCREWS.
8. ALL CONDUIT CONNECTORS AND COUPLERS SHALL BE COMPRESSION TYPE STEEL, NOT CAST METAL.
9. BOXES THAT WILL BE SURFACE MOUNTED SHALL NOT HAVE KNOCKOUTS. ONLY THE NEEDED PENETRATIONS SHALL BE ALLOWED.
10. ALL MAGNETIC LOCKS SHALL BE REMOVED FROM THE PROJECT BY THE DOOR HARDWARE CONTRACTOR.

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		SHEET 1 OF 1	

Drawing Title

CITY OF NORMAN
GENETEC ACCESS CONTROL SYSTEM
CITY HALL GENERAL NOTES, ABBREVIATIONS, LEGEND

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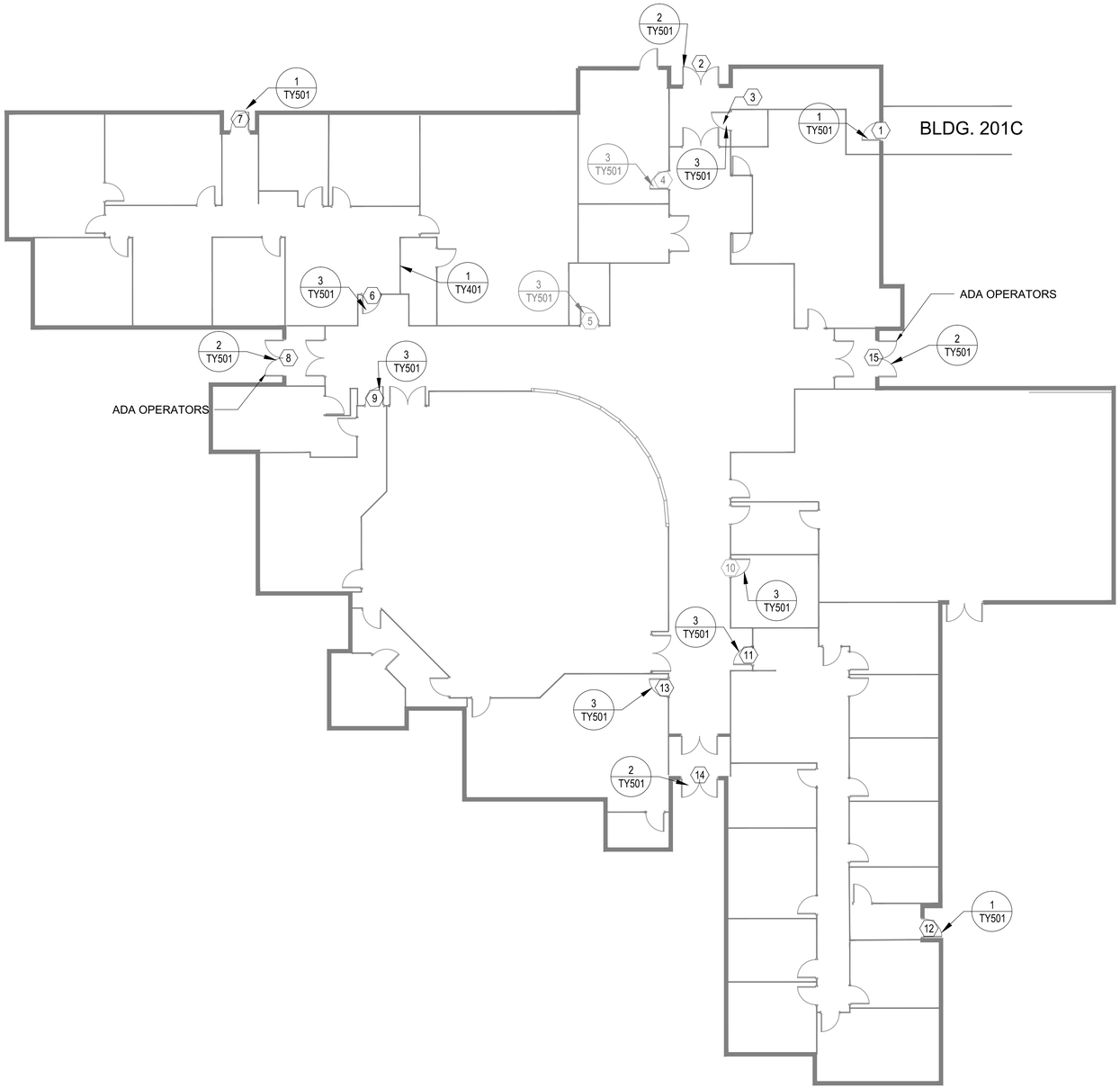
Drawing No: TY001



1 ACCESS CONTROL FLOOR PLAN

3/32" = 1'-0"

KEYNOTES (THIS SHEET ONLY):

1. N. DOOR INTO 201C FROM CITY HALL
2. WEST HALLWAY DBL DOORS EXTERIOR INTO 201 CITY HALL
3. WEST INSIDE STORAGE CLOSET SUPPLY CLOSET
4. BREAK ROOM DOOR INSIDE (BID ALTERNATE #2)
5. IT CLOSET DOOR (BID ALTERNATE #2)
6. CITY CLERK INSIDE HALLWAY DOOR
7. CITY CLERK WEST OUTSIDE DOOR
8. SOUTH HALLWAY DBL DOORS EXTERIOR INTO 201 CITY HALL. ADA OPERATORS WILL BE INTERFACED TO ACS FOR PROPER OPERATION.
9. PARLOR DOORS
10. RETAIL MARKETING COORDINATOR OFFICE (BID ALTERNATE #2)
11. LEGAL OFFICE HALLWAY
12. LEGAL OFFICE EXTERIOR DOOR
13. STUDY SESSION INTERIOR DOOR
14. EAST HALLWAY EXTERIOR DBL DOORS
15. NORTH HALLWAY EXTERIOR DBL DOORS. ADA OPERATORS WILL BE INTERFACED TO ACS FOR PROPER OPERATION.

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SHEET 1 OF 1

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CITY OF NORMAN
GENETEC ACCESS CONTROL SYSTEM
CITY HALL FLOOR PLAN

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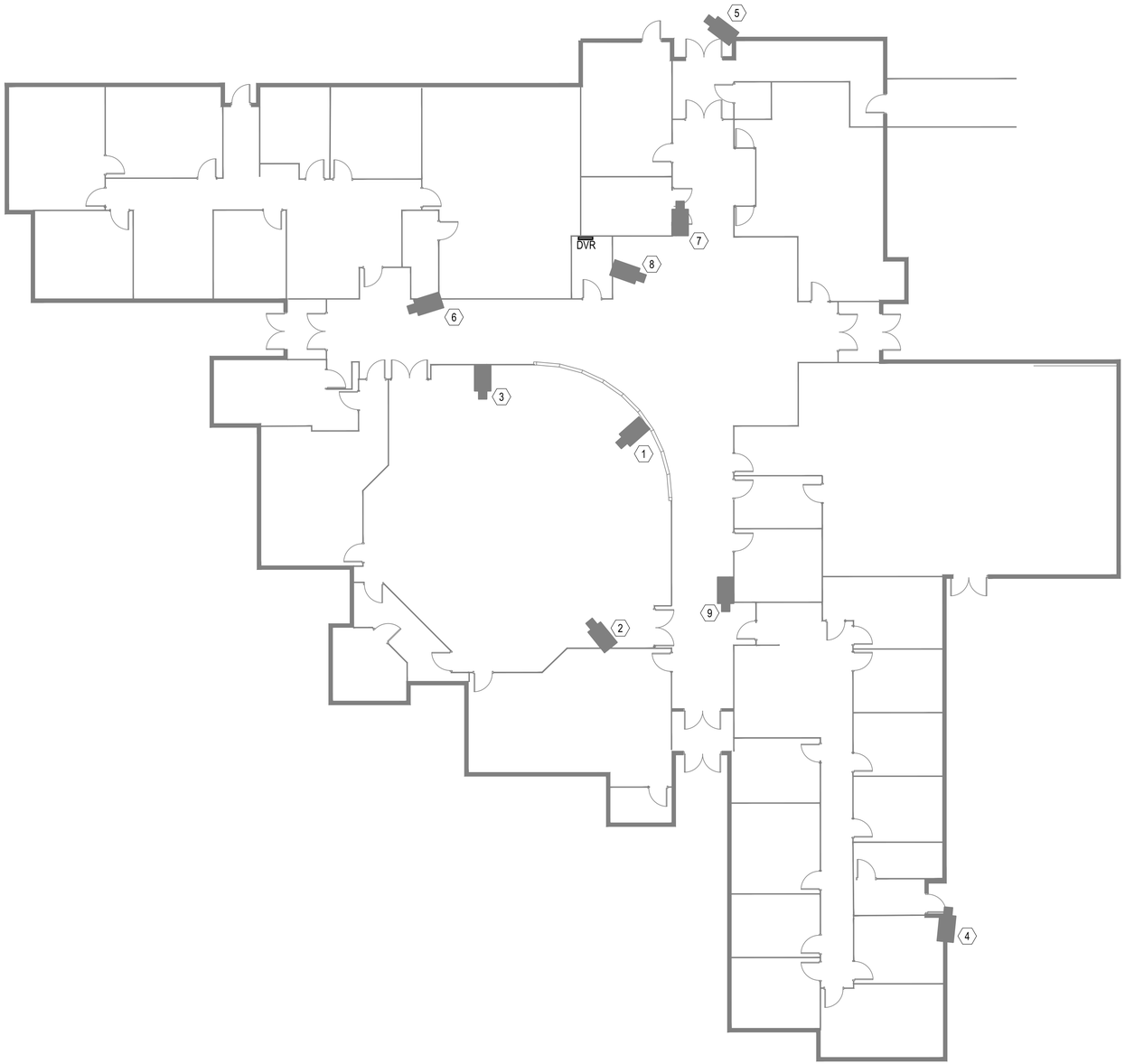
Drawing No: TY100



1 CCTV FLOOR PLAN

3/32" = 1'-0"

GENERAL NOTES (THIS SHEET ONLY):

1. CLEAN AND INSPECT ALL CAMERAS FOR PROPER OPERATION AND FOCUS.
2. ADJUST ALL CAMERAS FOR PROPER OPERATION AND FIELD OF VIEW.
3. VERIFY CAMERA POWER SUPPLY IS ON GENERATOR AND HAS BATTERY BACK UP TO BRIDGE AUTO START SEQUENCE.

BID ALTERNATE #1 (THIS SHEET ONLY):

1. MOVE CAMERAS FROM DVR IN CITY HALL TO GENETEC VMS. USE AXIS ENCODER FOR THE MOVE TO IP VIDEO. VERIFY VIDEO STORAGE HAS BEEN ALLOCATED BY THE CITY.
2. REMOVE EXISTING BOSCH DVR AND TURNOVER TO PROJECT MANAGER FOR THE CITY.
3. INSTALL AXIS ENCODER 12 CHANNEL RACK MOUNT WITH 2 Q7436 ENCODER BLADES.
4. CONNECT ENCODER TO CITY OF NORMAN GENETEC VMS.
5. RECONFIGURE CITY OF NORMAN VMS TO OPERATE IN A VIRTUAL ENVIRONMENT.
6. CREATE 4 VLANS FOR VIDEO.
   a. VIEWING
   b. PLAYBACK
   c. ADMINISTRATION
   d. STORAGE/RECORDING
7. NO DVR'S OR NVR'S WILL BE USED UNLESS PRIOR AUTHORIZATION IN WRITING FROM THE PROJECT MANAGER AND CITY OF NORMAN HAS BEEN PROVIDED.

EXISTING CAMERAS (BID ALTERNATE #1, NIC)

1. NORTH COUNCIL CHAMBERS VIEWING PODIUM
2. EAST COUNCIL CHAMBERS LOOKING WEST
3. WEST COUNCIL CHAMBERS LOOKING EAST
4. EXTERIOR N.E. OUTSIDE LEGAL DOOR LOOKING WEST
5. EXTERIOR WEST OUTSIDE EXIT DOORS LOOKING AT PATIO
6. INSIDE LOOKING AT SOUTH DOUBLE DOORS ADA ENTRANCE
7. INSIDE LOOKING AT WEST DOUBLE ENTRY DOORS
8. INSIDE LOOKING AT NORTH DOUBLE ENTRY ADA DOORS
9. INSIDE LOOKING AT EAST DOUBLE ENTRY DOORS

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Drawing Title

CITY OF NORMAN
GENETEC ACCESS CONTROL SYSTEM
CITY HALL CCTV FLOOR PLAN (BID ALTERNATE #1)

ROSS ENGINEERING

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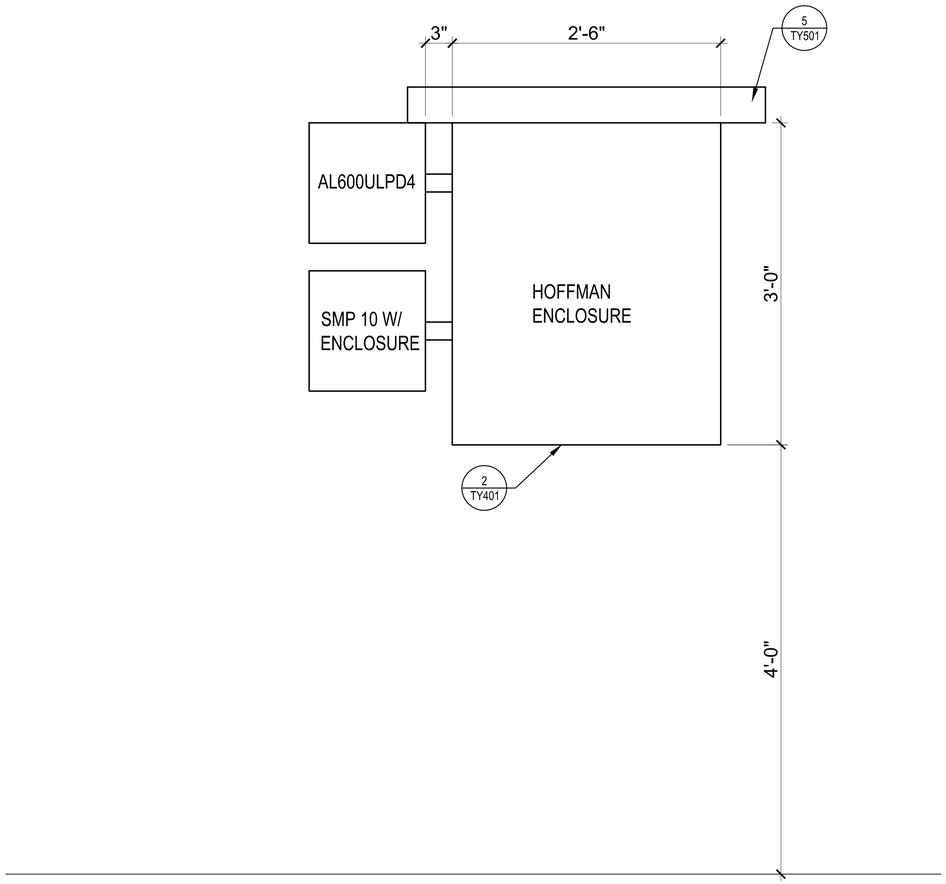
Drawing No: TY101

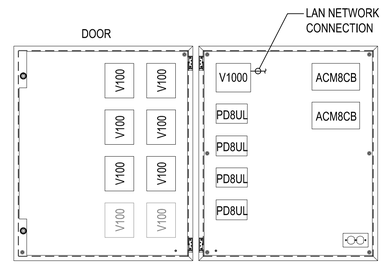
GENERAL NOTES (THIS SHEET ONLY):

1. SCREENED PANELS ARE A BID ALTERNATE.
2. ENCLOSURES WILL BE CONNECTED TO EACH OTHER WITH 2" I.D. CONNECTORS.
3. ALL CABLES AND CONNECTIONS WILL BE MANAGED WITH WIRE MANAGEMENT DEVICES.
4. ALL ACCESS CONTROL DEVICES WILL HAVE A FUSED OUTPUT SUPPLYING POWER TO THEM. NO TWO DEVICES WILL SHARE A FUSED OUTPUT.



1 TY401 ENLARGED ELEVATION - CITY HALL IT CLOSET

SCALE: NOT TO SCALE



2 TY401 HOFFMAN ENCLOSURE - CITY HALL IT CLOSET

SCALE: NOT TO SCALE

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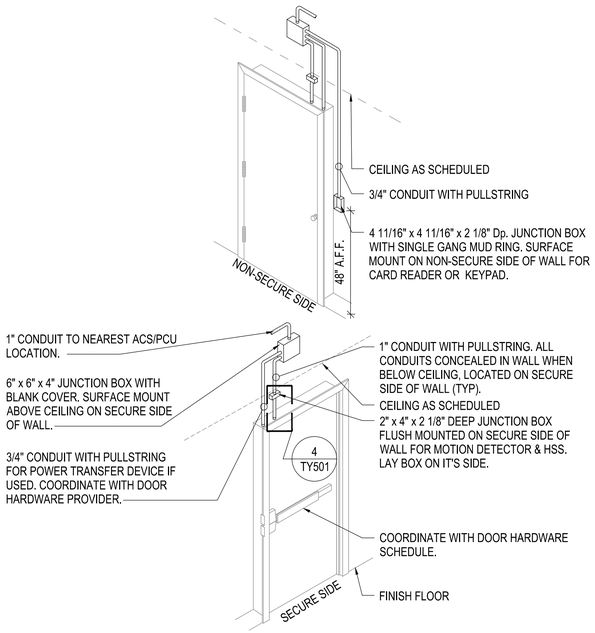
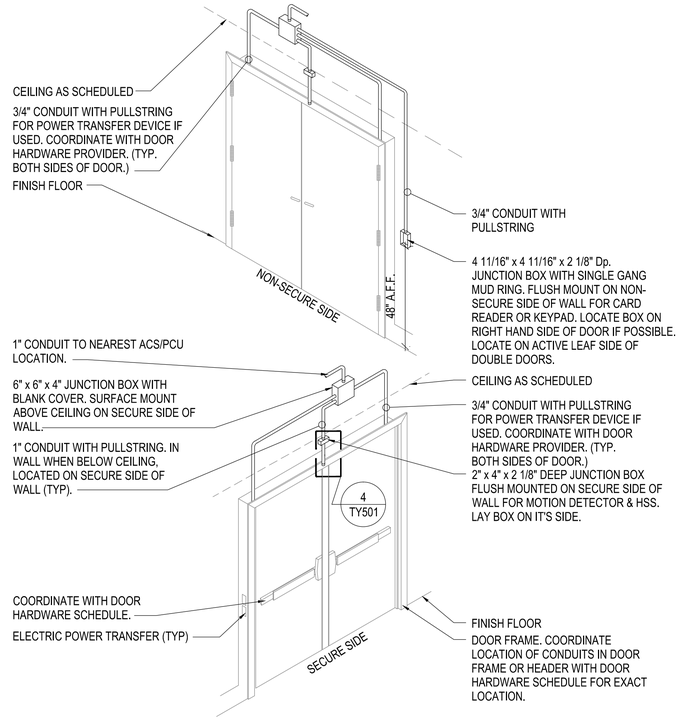
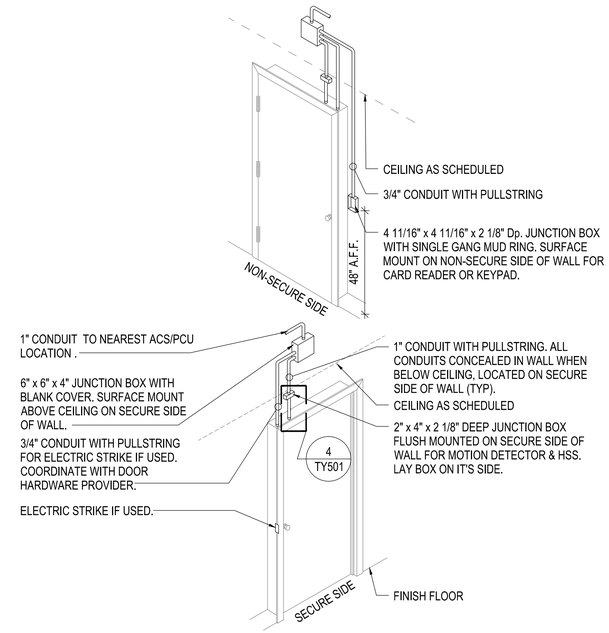


1 TY501 ACCESS CONTROL DOOR
SCALE: NOT TO SCALE



2 TY501 ACCESS CONTROL DOOR
SCALE: NOT TO SCALE



3 TY501 ACCESS CONTROL DOOR
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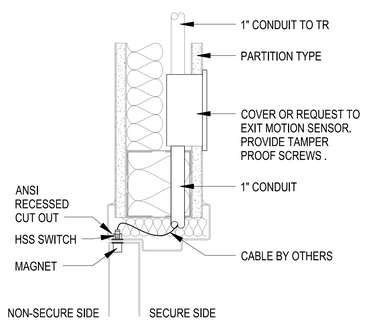
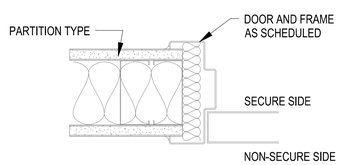
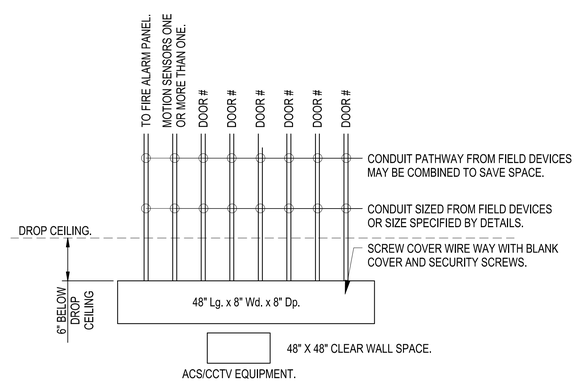


TYPICAL GWB HEAD DETAIL



TYPICAL GWB JAMB DETAIL

4 TY501 TYPICAL HSS ROUGH-IN DETAIL
SCALE: NOT TO SCALE



5 TY501 PREMISE CONTROL UNIT
SCALE: NOT TO SCALE

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		SHEET 1 OF 1	

Drawing Title
CITY OF NORMAN
GENETEC ACCESS CONTROL SYSTEM
CITY HALL SECURITY DETAILS

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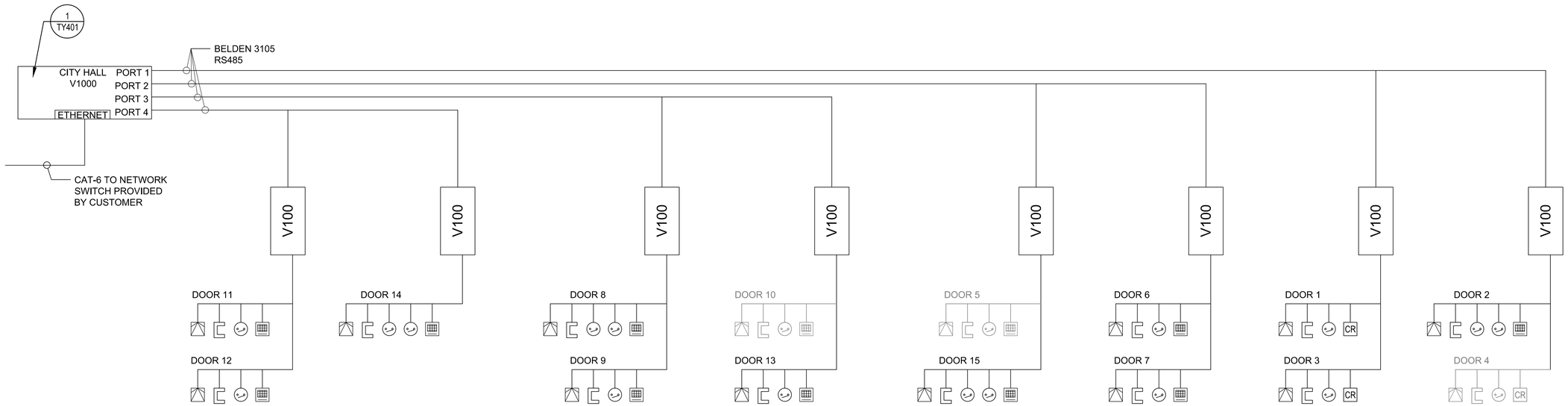
Drawing No: TY501

KEYNOTES (THIS SHEET ONLY):

1. SCREENED DOORS ARE BID ALTERNATE #2 AND NOT IN BASE CONTRACT.
2. ALL RFE DEVICES SHALL HAVE BUILT IN SOUNDER.
3. ALL DOORS FOR CITY HALL WILL HAVE NEW WIRE PULLED FROM CITY HALL IT CLOSET. REFER SHEET TY100, KEYED NOTE #5.
4. ONLY WIRE AND CABLE RATED FOR THE SPACE SHALL BE ALLOWED.
5. REMOVE ALL OLD CABLE FROM 201C TO CITY HALL DOORS AND RECYCLE PROPERLY.
6. ALL LOCKS PROVIDED BY DOOR HARDWARE PROVIDER. COORDINATE CABLE INSTALLATION IN NEW FRAMES AND TO NEW LOCKING HARDWARE.



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CITY OF NORMAN
GENETEC ACCESS CONTROL SYSTEM
CITY HALL SINGLE LINE DIAGRAM

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