

A

three inches = one foot

B

one and one half inches = one foot

C

one inch = one foot

D

three quarters inch = one foot

E

one half inch = one foot

F













three eighths inch = one foot

G

one quarter inch = one foot

H

one eighth inch = one foot

DEVICE AND WIRING LEGEND					
SYMBOL	DESCRIPTION	MOUNTING HEIGHT	BACK BOX	WIRING	NOTES
	INTRUSION ALARM PANEL	SEE DRAWINGS	N/A	N/A	
	CAMERA POWER SUPPLY	SEE DETAILS	N/A	120 VAC (1) 18~2 TO EACH CAMERA LOCATION	
	CCTV QUAD	SEE DETAILS	N/A	120 VAC (1) COAX CABLE FROM EACH CAMERA	
	ANNUNCIATOR KEYPAD	SEE DETAILS	4"S W/ 1-GANG RING	1-#18/4 PLENUM	
	MONITOR (DESK MOUNT)	DESK TOP MOUNT	N/A	120 VAC RG59U COAX PLENUM	
	CLOSED CIRCUIT TELEVISION FIXED CAMERA WITH PROPER VARIFOCAAL AUTO-IRIS LENS AND ENCLOSURE	SEE SCHEDULE	CUSTOM	RG59U COAX PLENUM 1-#18/2 PLENUM (CAMERA POWER)	D
	INTERCOM MASTER STATION (DESK MOUNTED)	N/A	N/A	1-#18/2 PLENUM (POWER) 1-#18/2 PLENUM (1 FOR EACH LOCK CONTROL)	
	INTERCOM DOOR STATION (WALL MOUNTED)	+48" A.F.F. TO CENTER	4"S W/ 1-GANG RING	1-#18/2 PLENUM	
	HELP BUTTON (DESK MOUNTED)	IN CASEWORK	N/A	1-#18/4 PLENUM	
	HELP BUTTON (WALL MOUNTED)	+48" A.F.F. TO CENTER	4"S W/ 1-GANG RING	1-#18/4 PLENUM	
	MATV TV MOUNTED ON WALL OR IN CASE WORK - EXISTING- NO WORK REQUIRED	XXX	(2) 4"S W/ 1-GANG RING SEE DETAILS	120 VAC COAX CABLE	
	120VAC BY ELECTRICAL CONTRACTOR	SEE DRAWINGS	SEE DRAWINGS	SEE DRAWINGS	

SECURITY DRAWING SCHEDULE

ES 8.00	SECURITY ELECTRONICS	LEGEND AND NOTES
ES 8.11	SECURITY ELECTRONICS	NURSING UNIT A
ES 8.16	SECURITY ELECTRONICS	RISER DIAGRAM & DETAILS

DEVICE LEGEND NOTES

- A. CAMERAS WITH HEATERS AND/OR BLOWERS REQUIRE ONE ADDITIONAL 16/2 PLE CABLE.
- B. ALL CABLES TO BE INSTALLED IN CONDUIT TO ACCESSABLE CEILING SPACE. THEN RAN IN CABLE TRAYS AND OR J-HOOK SYSTEM.

ABBREVIATIONS

A.F.F.	- ABOVE FINISHED FLOOR	U.O.N.	- UNLESS OTHERWISE NOTED
T.B.D.	- TO BE DETERMINED	F.O.V.	- FIELD OF VIEW
N/A	- NOT APPLICABLE	A.C.P.	- ACCESS CONTROL PANEL
SH	- SHIELDED	I.A.P.	- INTRUSION ALARM PANEL
TW	- TWISTED	V.I.F.	- VERIFY IN FIELD
WP	- WEATHER PROOF	E	- EXISTING
S.O.C.	- SECURITY OPERATIONS CENTER	N	- NEW
RECP	- RECEPTION	R	- REMOVE
E/R	- EXISTING - RELOCATE		

SCOPE OF WORK

- CONTRACTOR SHALL PROVIDE, INSTALL AND PROGRAM A COMPLETELY FUNCTIONAL AND OPERATIONAL SYSTEM AS SHOWN ON DRAWINGS AND SPECIFICATIONS.
- CONTRACTOR SHALL PROVIDE A PHASED INSTALLATION OF THE ELECTRONIC SECURITY BASED ON THE OWNER AND GENERAL CONTRACTOR'S SCHEDULE.
- CONTRACTOR SHALL PROVIDE AND INSTALL ALL CONDUIT, WIRING, DEVICES, CONNECTIONS, PROGRAMMING, AND COORDINATION REQUIRED FOR A COMPLETELY FUNCTIONAL AND OPERATIONAL SYSTEM. SECURITY CONTRACTOR SHALL PROVIDE ANY CUSTOM BACKBOXES REQUIRED.
- PROVIDE AND INSTALL ALL CONDUIT, BACK BOXES, PULL BOXES AS SHOWN ON DRAWINGS.
- PROVIDE AND INSTALL FIRE ALARM SYSTEM INTERFACES WHERE REQUIRED.
- INCLUDE FINAL CONNECTION, PROGRAMMING, TRAINING, AND TESTING OF THE WORK TO THE HEAD-END EQUIPMENT.
- ATTENDANCE AT WEEKLY CONSTRUCTION COORDINATION MEETINGS.
- COORDINATION OF WORK WITH OTHER DESIGN AND INSTALLATION TRADES.
- SUBMITTAL OF PERMIT DRAWINGS AND OBTAINING ALL REQUIRED PERMITS, INSPECTIONS AND APPROVALS FROM THE AUTHORITIES HAVING JURISDICTION.
- THE OWNER WILL PROVIDE APPROPRIATE NETWORK CONNECTS AND TELEPHONE JACKS AT LOCATIONS TO BE IDENTIFIED BY THE SECURITY CONTRACTOR, AND AS SHOWN ON THE DRAWINGS. THE OWNER WILL ALSO PROVIDE PCS FOR WORKSTATIONS AND OTHER CONVENTIONAL COMPUTER EQUIPMENT REQUIRED FOR THE ACCESS CONTROL AND CCTV SYSTEMS. THE SECURITY CONTRACTOR SHALL PROVIDE EQUIPMENT SPECIFICATIONS, AND BE RESPONSIBLE FOR PROVIDING AND INSTALLING NECESSARY SOFTWARE AND FOR CONFIGURATION OF THE EQUIPMENT.
- ALL END-OF-LINE (EOL) RESISTORS SHALL BE INSTALLED AT THE INDIVIDUAL POINTS OF PROTECTION NOT AT THE PANEL OR POPIT MODULES.

INSTALLATION NOTES

- ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL CODES. THE CONTRACTOR SHALL NOT INTERMIX ANY HIGH VOLTAGE POWER WIRES (120VAC) WITH ANY LOW VOLTAGE SIGNAL OR CONTROL WIRES IN ANY CONDUIT.
- VERIFY ALL FIELD DIMENSIONS AND CONDITIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOUND. VERIFY DIMENSIONS OF ALL OWNER FURNISHED EQUIPMENT & SERVICES TO ENSURE PROPER COORDINATION WITH CONSTRUCTION.
- SCHEDULE ALL WORK, INCLUDING CONSTRUCTION ACCESS AND STORAGE, WITH THE OWNER OR THOSE DESIGNATED BY THE OWNER. THE CONSTRUCTION SCHEDULE SHALL BE APPROVED BY THE OWNER PRIOR TO THE START OF CONSTRUCTION.
- ALL UTILITIES REQUIRED FOR THE CONTINUOUS OPERATION OF ALL EXISTING FACILITIES MUST BE MAINTAINED IN SERVICE AT ALL TIMES (IF APPLICABLE).
- CONTRACTOR SHALL PROVIDE DUST PROTECTION AS REQUIRED TO CONTAIN DUST AND DEBRIS WITHIN CONSTRUCTION AREA, BROOM CLEAN ALL AREAS EACH DAY.
- WORK SHALL BE EXECUTED IN A CAREFUL AND ORDERLY MANNER WITH THE LEAST POSSIBLE DISTURBANCE TO THE PUBLIC AND OCCUPANTS OF EXISTING BUILDINGS. INTERRUPTING PERSONNEL AT WORK AS A RESULT OF THIS UNDERTAKING SHALL ALWAYS BE KEPT TO A MINIMUM. CONTRACTOR SHALL PROVIDE TRAFFIC AND SAFETY SIGNS AND BARRIERS WHERE NECESSARY. NO POWER LINE IN THE BUILDING SHALL BE SHUT DOWN UNLESS REQUESTED AND APPROVED BY THE OWNER IN ADVANCE.
- THE CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK ON PREMISES SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING A REASONABLE AND PRUDENT SAFETY PROGRAM INCLUDING, BUT NOT LIMITED TO, THE ISOLATION OF WORK AREAS AND THE PROMPT REMOVAL OF ANY DEBRIS OR TOOLS WHICH MIGHT ENDANGER VISITORS OR EMPLOYEES OF THE FACILITY. ALL ROADS AND WALKWAYS SHALL REMAIN CLEAR AND UNOBSTRUCTED. WHEN NECESSARY ALTERNATE ROUTES MUST BE MAINTAINED, SHOULD UNSAFE CONDITIONS OCCUR.
- COORDINATION WITH OTHER CONTRACTORS:
IF ANY PART OF THE CONTRACTORS WORK DEPENDS UPON THE WORK OF A SEPARATE CONTRACTOR, THIS CONTRACTOR SHALL INSPECT SUCH OTHER WORK AND PROMPTLY REPORT IN WRITING TO THE PROJECT ARCHITECT ANY DEFECTS IN SUCH OTHER WORK THAT RENDER IT UNSUITABLE TO RECEIVE THE WORK OF THIS CONTRACTOR. FAILURE TO INSPECT AND REPORT SHALL CONSTITUTE AN ACCEPTANCE OF THE OTHER CONTRACTORS WORK EXCEPT AS TO DEFECTS WHICH DEVELOP IN OTHER CONTRACTORS WORK AFTER EXECUTION OF THIS CONTRACTORS WORK.
- THE CONTRACTOR SHALL ALWAYS MAINTAIN, AT THE JOB SITE, UPDATED "RECORD" DRAWINGS. THESE DRAWINGS SHALL BE AVAILABLE TO THE ARCHITECTS, INSPECTORS OR THE OWNERS UPON REQUEST.
- NO CABLE RUN SHALL BE SPLICE UNLESS TWO OR MORE DEVICES ARE CONNECTED TO THE SAME CIRCUIT OR THE DEVICE IS PROVIDED FROM THE FACTORY WITH PIGTAIL WIRES. WHERE SPLICING IS REQUIRED, THE SPLICE SHALL BE SOLDERED AND TAPED. IT SHALL BE DONE IN EITHER A SPECIAL TERMINAL BOX, AT THE BACK BOX OR AT THE DEVICE TERMINAL LUGS. ALL SPLICE BOXES MUST BE IN ACCESSIBLE AREAS AND CLEARLY MARKED ON THE RECORD DRAWINGS.
- ALL WIRES SHALL BE COLOR CODED AND SHALL BE CONNECTED IN A UNIFORM MANNER. TRANSPOSING OR CHANGING OF COLOR CODES SHALL NOT BE PERMITTED. WIRE AND CABLE SIZES, NUMBER OF CONDUCTORS, SHIELDING OR OTHER ITEMS LISTED ON THESE DRAWINGS ARE A GUIDE TO THE CORRECT PRODUCT REQUIRED TO ACHIEVE A WORKING SYSTEM AND REPRESENT THE MINIMUM ACCEPTABLE STANDARDS. CONTRACTOR SHALL CONSULT MANUFACTURER'S RECOMMENDATION FOR CABLEING AND USE WHICHEVER IS GREATER IN QUALITY, QUANTITY, GAUGE, SHIELDING AND NUMBER OF CONDUCTORS.
- ALL WIRING, INCLUDING SHIELDS, MUST BE FREE OF SHORTS, GROUNDS AND STRAY VOLTAGES.
- ALL CABLES TO BE INSTALLED IN CONDUIT TO ACCESSIBLE CEILING SPACE. THEN RAN IN CABLE TRAYS AND OR J-HOOK SYSTEM WHEN CABLES MUST PASS OVER HARD CAP CEILINGS CONDUIT SHALL BE RAN AS REQUIRED. CONDUIT SHALL BE FURNISHED AND INSTALLED BY DIVISION 16.
- A PRE PRINTED VINYL MATERIAL MARKER WRAPPED IN ADHESIVE CLEAR PLASTIC SHALL BE PROVIDED TO THE FOLLOWING:
 - CABLES WITHIN 6" UPON ENTRY AT ANY SECURITY PANEL, TERMINATION OR SPLICE BOX.
 - ALL WIRE LEADS WITHIN 2" FROM ANY TERMINAL BLOCK.
 - THE CONTRACTOR SHALL SUBMIT SAMPLES OF MARKERS AND ANY NUMBERING OR MARKING SYSTEM FOR REVIEW PRIOR TO IMPLEMENTATION.
- ALL ELECTRICAL POWER SUPPLIED TO SECURITY EQUIPMENT OR DEVICES SHALL BE ON AN EMERGENCY SYSTEM INCLUDING UPS WHERE AVAILABLE. ALL CONDUCTORS AND CIRCUIT BREAKERS SHALL BE SIZED IN ACCORDANCE WITH THEIR CONNECTED LOADS (20 AMP MINIMUM). ALL CIRCUITS SHALL BE DEDICATED. A GROUND CONDUCTOR SHALL ALWAYS BE INSTALLED IN ANY POWER WIRING. ALL SECURITY EQUIPMENT UTILIZING ELECTRICAL POWER SHALL ALSO BE ADEQUATELY GROUNDED.
- WHERE A CIRCUIT FOR SECURITY IS TAKEN FROM A LOAD CENTER UTILIZED FOR OTHER ELECTRICAL PURPOSES, THE BRANCH CIRCUIT BREAKER FOR SECURITY EQUIPMENT SHALL BE LOCKABLE TYPE TO PREVENT ANY ACCIDENTAL SWITCH-OFF. NO SECURITY CIRCUIT IS TO BE SHARED WITH NON SECURITY EQUIPMENT.
- THE CONTRACTOR SHALL PROPERLY SEAL ALL CONDUIT OR SLEEVE PENETRATIONS THROUGH ALL WALLS, FLOORS AND CEILINGS USING APPROVED FIRE STOPPING MATERIALS AND SEALANTS REGARDLESS OF RATING AND AS PER APPLICABLE BUILDING CODES.
- ALL ROUTING OF WIRING AND ANY RELATED CONDUIT IS DIAGRAMMATIC. CONTRACTOR SHALL FIELD VERIFY EXACT ROUTING PRIOR TO INSTALLATION.
- PROVIDE PULL STRINGS IN ALL CONDUITS. PROVIDE BLANK COVERS ON ALL JUNCTION AND PULL BOXES.
- ALL CONDUITS AND CABLE PATHS SHALL RUN PARALLEL WITH OR AT RIGHT ANGLES TO THE WALLS, IF MORE THAN TWO 90 DEGREE BENDS ARE TO BE USED IN THE CONDUIT RUN, INSERT A PULL BOX. CONTRACTOR SHALL SIZE THE BOX ACCORDINGLY. CONDUITS SHALL BE SIZED AS INDICATED ON THE DRAWINGS OR LARGER AS REQUIRED TO COMPLY WITH CODE. MINIMUM ALLOWABLE CONDUIT SIZE SHALL BE 3/4".
- THE CONTRACTOR SHALL CLEAN AND THOROUGHLY CHECK ALL INSTALLED WORK PRIOR TO CONCEALING OF ARCHITECTURAL FINISHING. CLEAN ALL EXPOSED SURFACES AND NEW EQUIPMENT AFTER COMPLETION. THE CONTRACTOR SHALL ALSO REPAIR OR CLEAN ALL SOILED SURFACES, PAINTED SURFACES OR DAMAGED ARCHITECTURAL FINISHES TO MATCH THE ADJACENT AREA. WHERE REQUIRED, CLEANING, PATCHING OR PAINTING TO BRING THE AFFECTED SURFACE OR FINISH BACK TO ITS ORIGINAL CONDITION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL SECURITY DEVICES AND EQUIPMENT SHALL BE INSTALLED WITH CONSIDERATION TO BARRIER FREE ACCESSIBILITY.
- WHERE CONCRETE FLOORS ARE TO BE CORED, AN X-RAY MACHINE SHALL BE USED TO INSURE THAT NO STRUCTURAL ELEMENTS (E.G. REBAR) WILL BE COMPROMISED OR DAMAGED.
- WHERE THE CONTRACTOR HAS TO CHANGE ANY DEVICE TYPE OR MOUNTING TO SUIT ACTUAL CONDITIONS, THIS SHALL BE DONE WITHOUT EXTRA COST TO THE OWNERS. THIS INCLUDES ANY ADDITIONAL PART TO BE SUPPLIED BY THE CONTRACTOR TO ACCOMPLISH PROPER MOUNTING OF A DEVICE. HOWEVER, IT SHALL BE REQUESTED, SUBMITTED AND APPROVED IN WRITING BEFORE COMMENCING THE WORK.
- COORDINATE ALL TELEPHONE AND DATA (LAN/WAN) INSTALLATION AND CONNECTION REQUIREMENTS WITH THE OWNERS IT DEPARTMENT REPRESENTATIVE AND THE GENERAL CONTRACTOR.
- THE CONTRACTOR SHALL UNDERTAKE THIS WORK IN ITS ENTIRETY IN ACCORDANCE WITH ITS DESIGN AND PURPOSE. ALL WORK SHALL BE CARRIED OUT IN A PROFESSIONAL MANNER WITH MAXIMUM EFFICIENCY AND EXCELLENT WORKMANSHIP.
- THE CONTRACTOR SHALL INCLUDE ANY COORDINATION, RELAYS, TIMERS, NETWORK CARDS, TERMINAL STRIPS, ETC. REQUIRED FOR A COMPLETELY FUNCTIONAL INTERFACE WITH ELEVATOR CONTROLLERS, FIRE ALARM SYSTEMS, DOOR HARDWARE AND AUTOMATIC DOOR OPERATORS. WHICH EVER IS APPLICABLE.
- IN THE EVENT OF A DISCREPANCY BETWEEN THE SPECIFICATIONS AND THE DRAWINGS, WHICHEVER IS MORE STRINGENT OR CALLS FOR THE HIGHEST QUANTITY OR QUALITY OF MATERIALS HAS PRECEDENCE.
- THE USE OF THE WORD "PROVIDE" IN CONNECTION WITH ANY ITEM SPECIFIED, IS INTENDED TO MEAN THAT SUCH SHALL BE FURNISHED, INSTALLED AND CONNECTED, WHERE SO REQUIRED, EXCEPT AS NOTED OTHERWISE.
- PRIOR TO SUBMITTAL OF BID, NOTIFY, IN WRITING, SPECIFIED MATERIALS OR EQUIPMENT WHICH ARE EITHER UNAVAILABLE OR WILL CAUSE A DELAY IN CONSTRUCTION COMPLETION SCHEDULE.



Department of
Veterans Affairs
3801 Miranda Ave., Palo Alto CA

Project Title
**520 A WING REDESIGN
FOR F.O.R PROGRAM**

Location
VA MED CTR, PALO ALTO, CA

Project Number
640-12-110P

Building Number
520

ARCHITECTS:

The
Design
Partnership

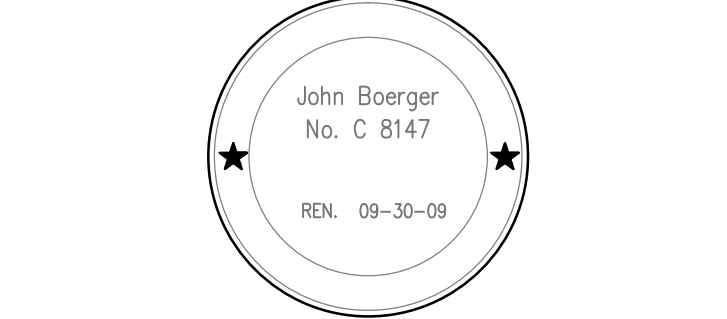
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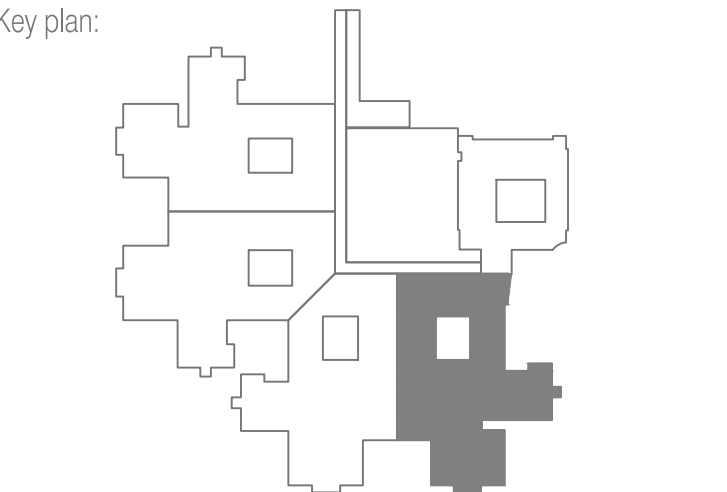
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PHONE: 510-268-6373 FAX: 510-839-4791



CONSTRUCTION DOCUMENT
SET

100% CONSTRUCTION DOCUMENTS	06-15-2012
Revisions:	Date

Approved: Project Director

Drawing Title
**SECURITY ELECTRONICS
LEGEND AND NOTES**

Scale:	Drawing Number
Date: JUNE 15, 2012	ES8.00
Checked CM	Drawn JWL
Dwg. of -	



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A

B

C

D

E

F

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one and one half inches = one foot

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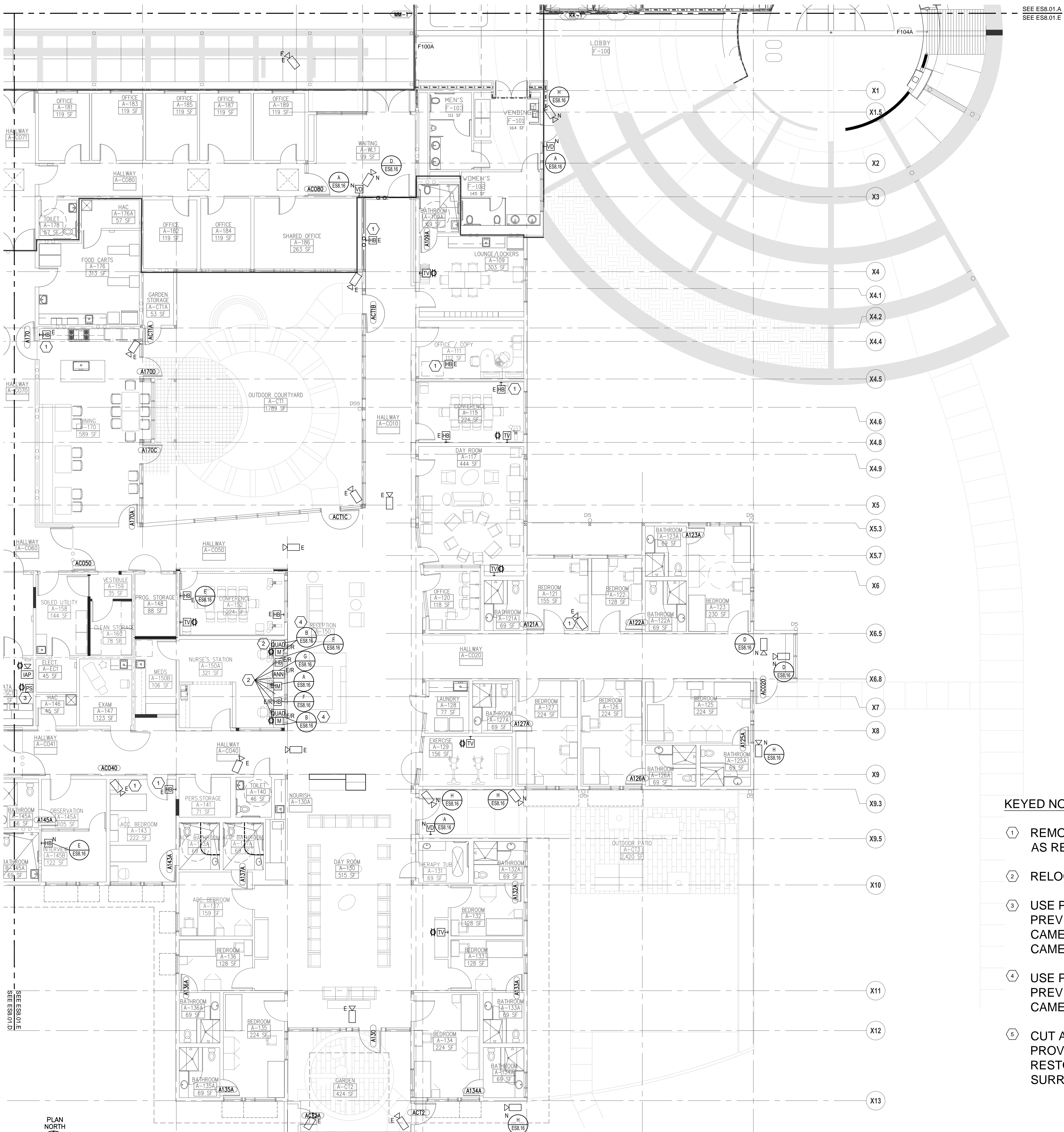
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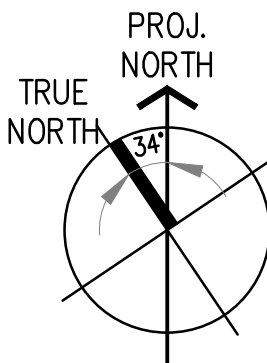
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SEE ES8.01.A
SEE ES8.01.E

KEYED NOTES:

- 1 REMOVE DEVICE. PATCH WALL AS REQUIRED.
- 2 RELOCATE EXISTING DEVICE.
- 3 USE POWER SUPPLY FROM PREVIOUSLY REMOVED CAMERAS TO POWER NEW CAMERAS.
- 4 USE PORTS ON QUAD FROM PREVIOUSLY REMOVED CAMERAS FOR NEW CAMERAS.
- 5 CUT AND PATCH (E) WALL TO PROVIDE (N) CAMERAS. RESTORE (E) FINISH TO MATCH SURROUNDING FINISH.



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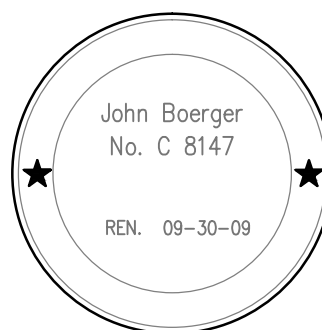
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STAMP



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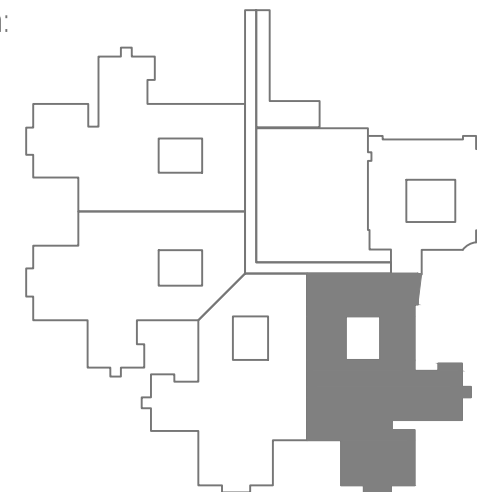
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Key plan:



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Revisions: **Date**

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Drawing Title
**SECURITY ELECTRONICS
NURSING UNIT A**

Scale: Drawing Number

Date: JUNE 15, 2012

Checked CM Drawn JWL

ES8.11

Dwg. of -

SECURITY ELECTRONICS
LEVEL 1 AREA "E" FLOOR PLAN

PLAN
NORTH

1/8" = 1'-0" 0 5 10 15 FT.

A

B

C

D

E

F

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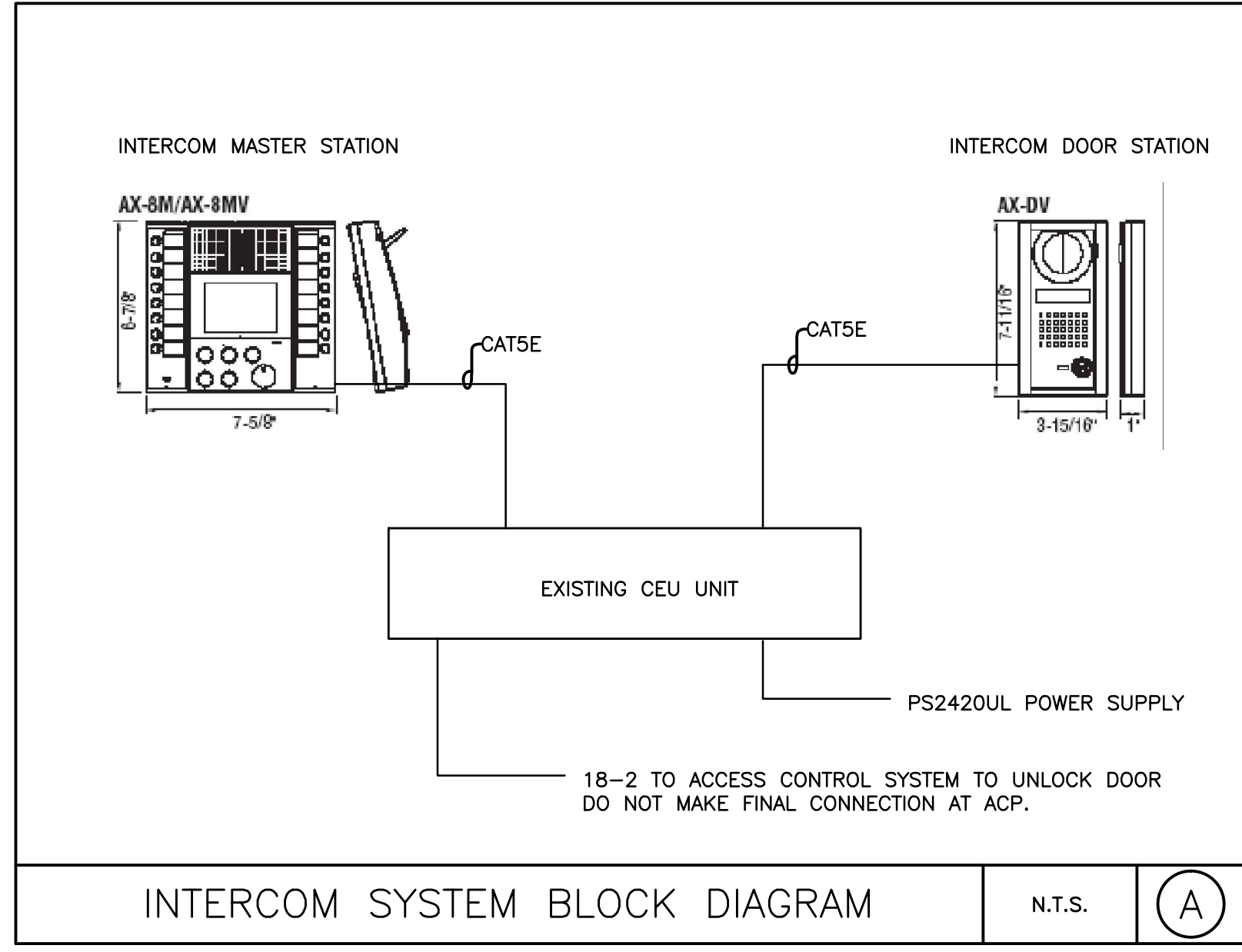
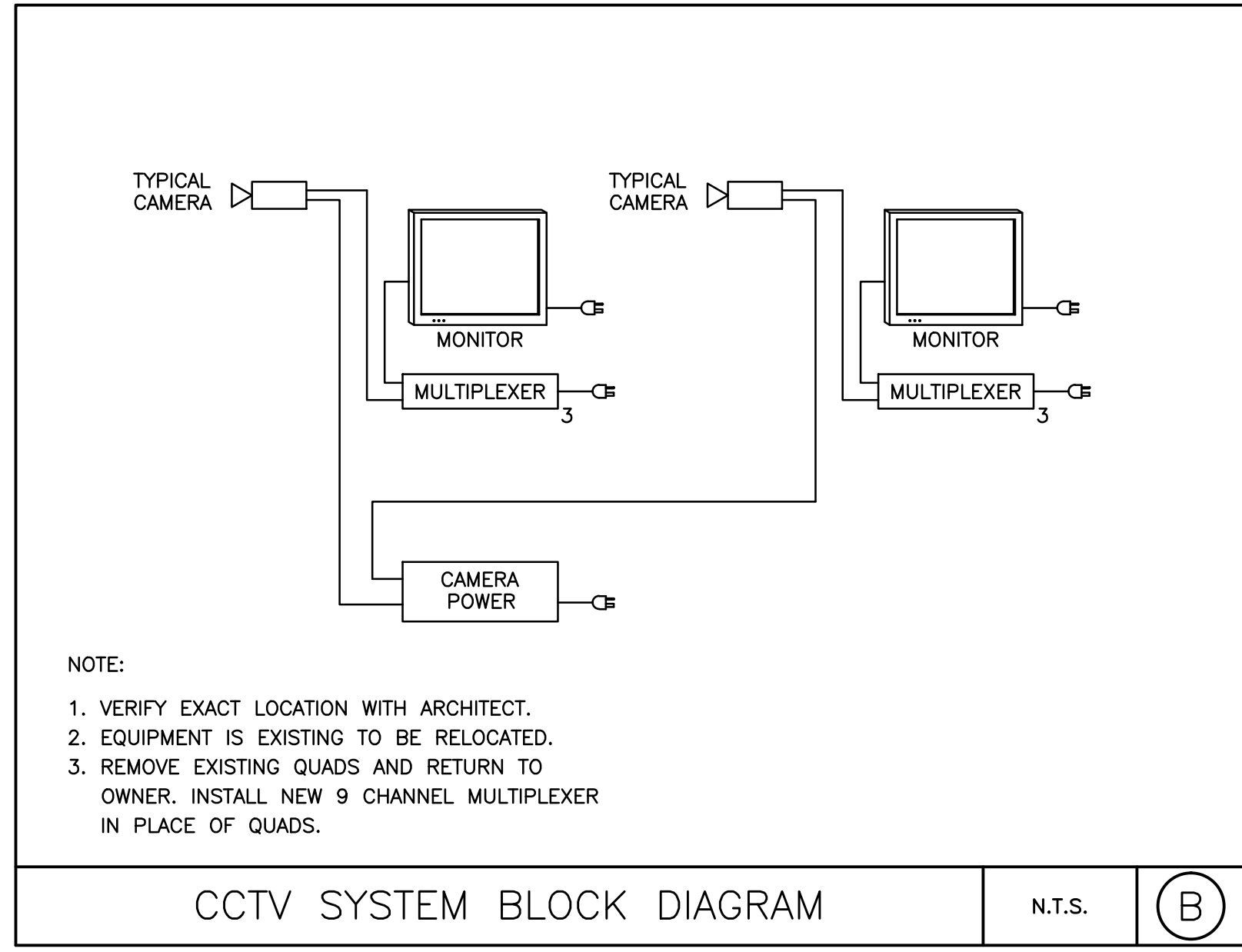
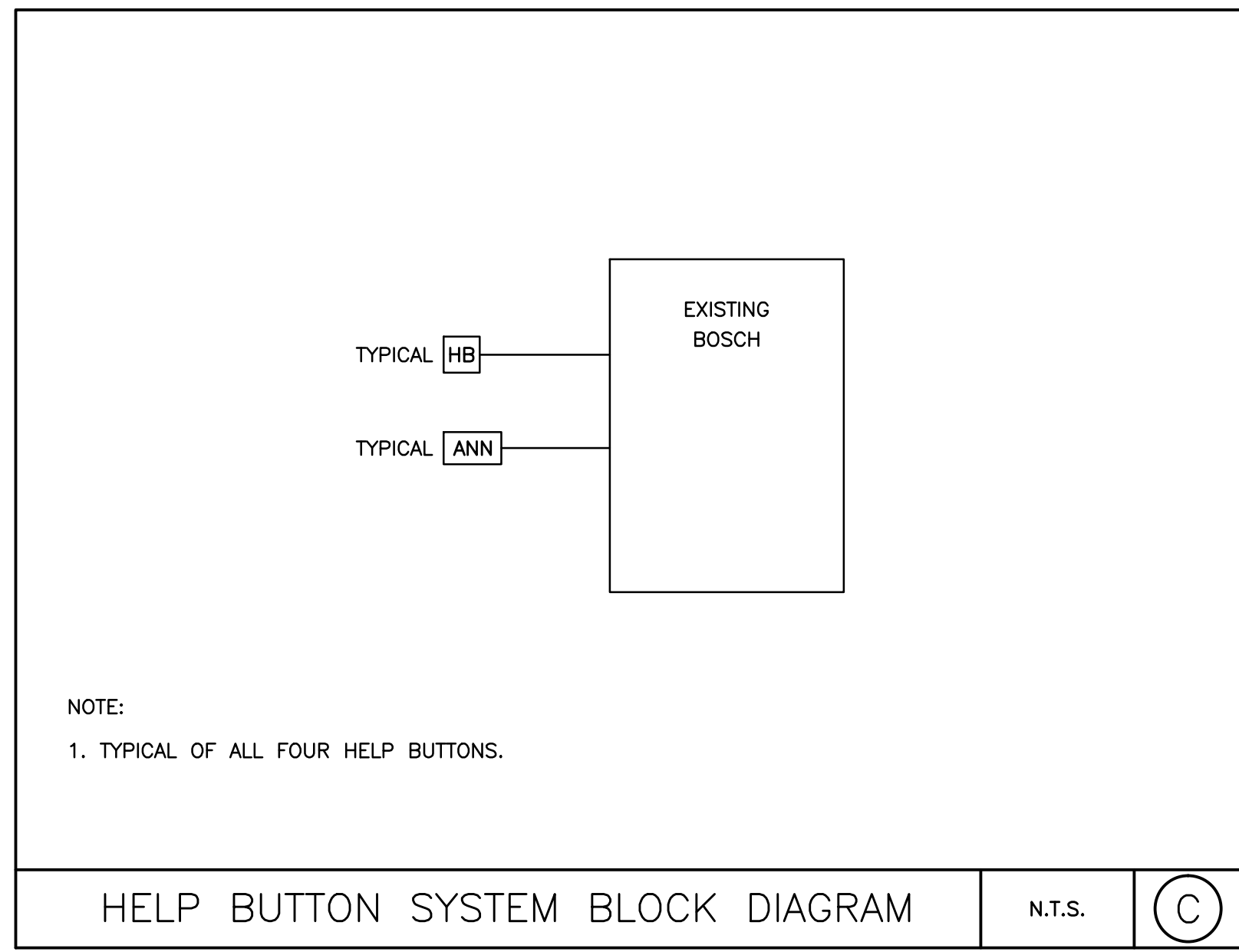
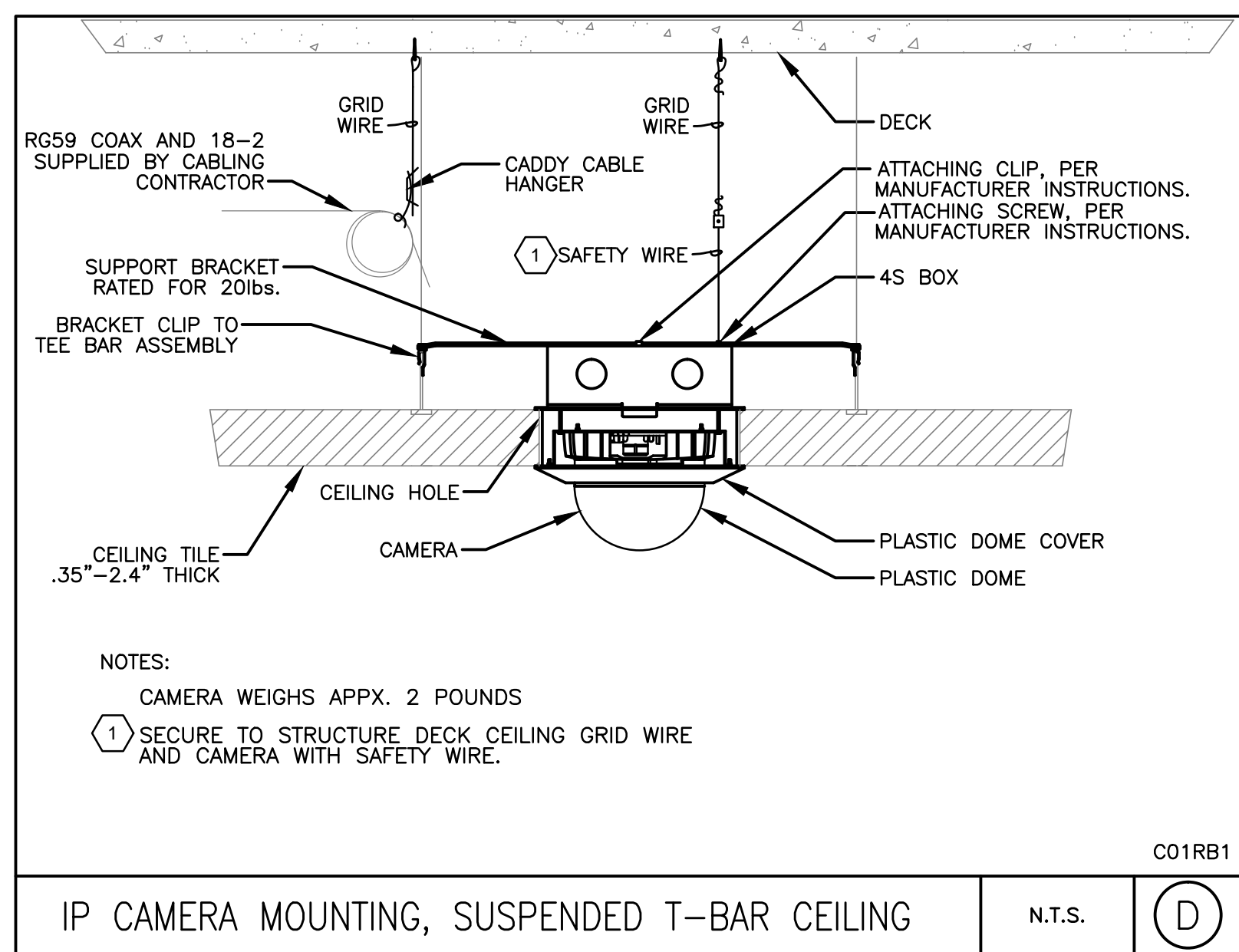
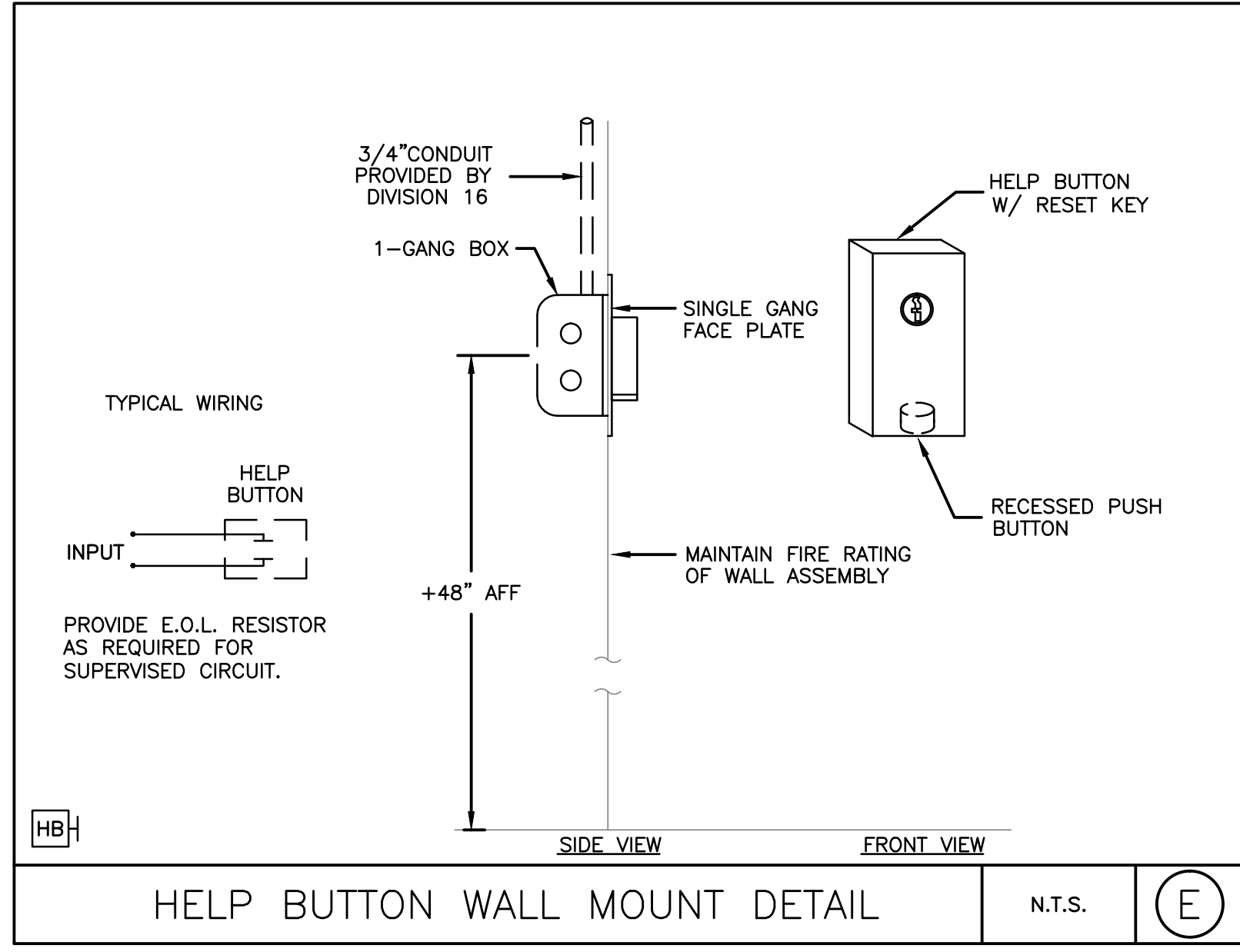
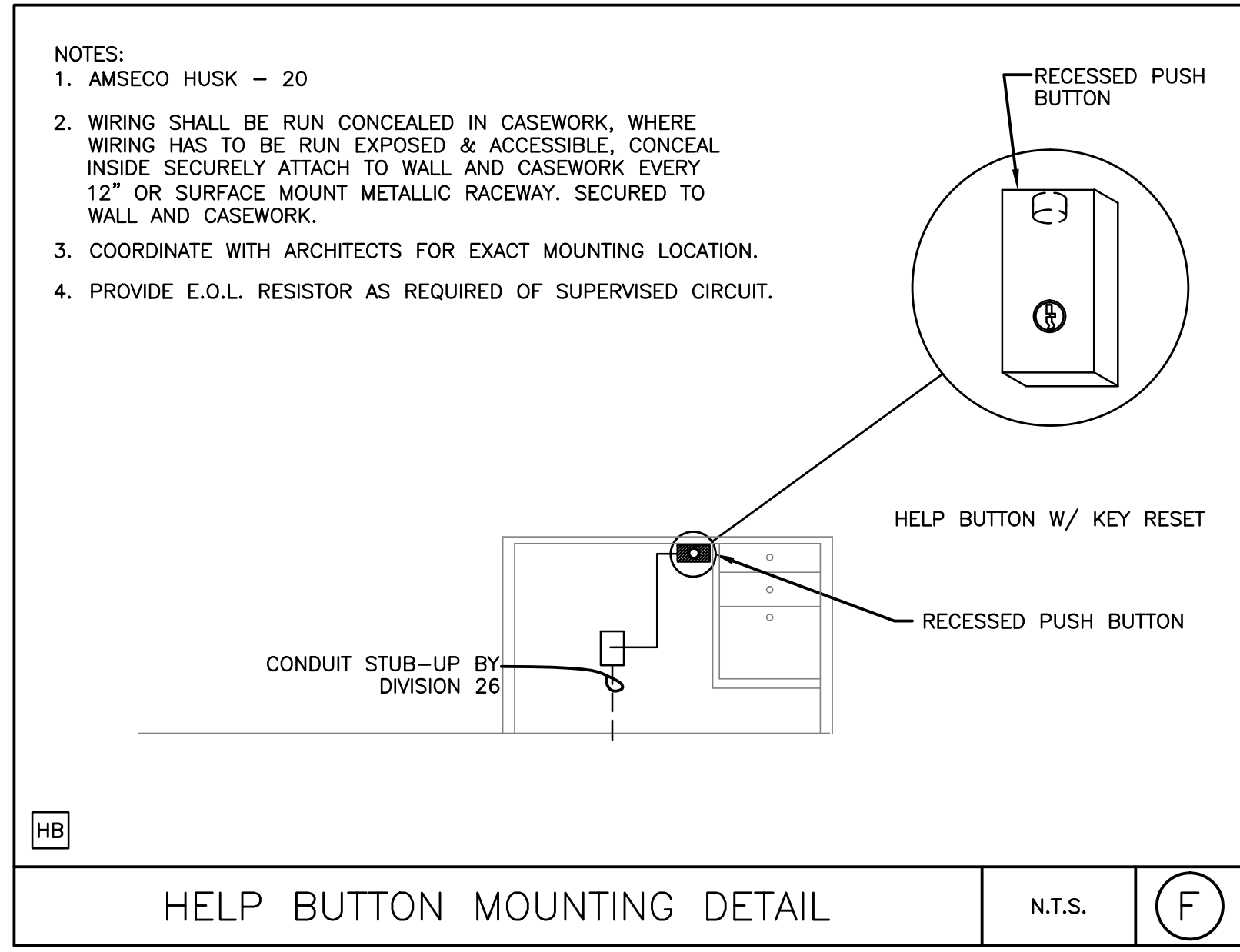
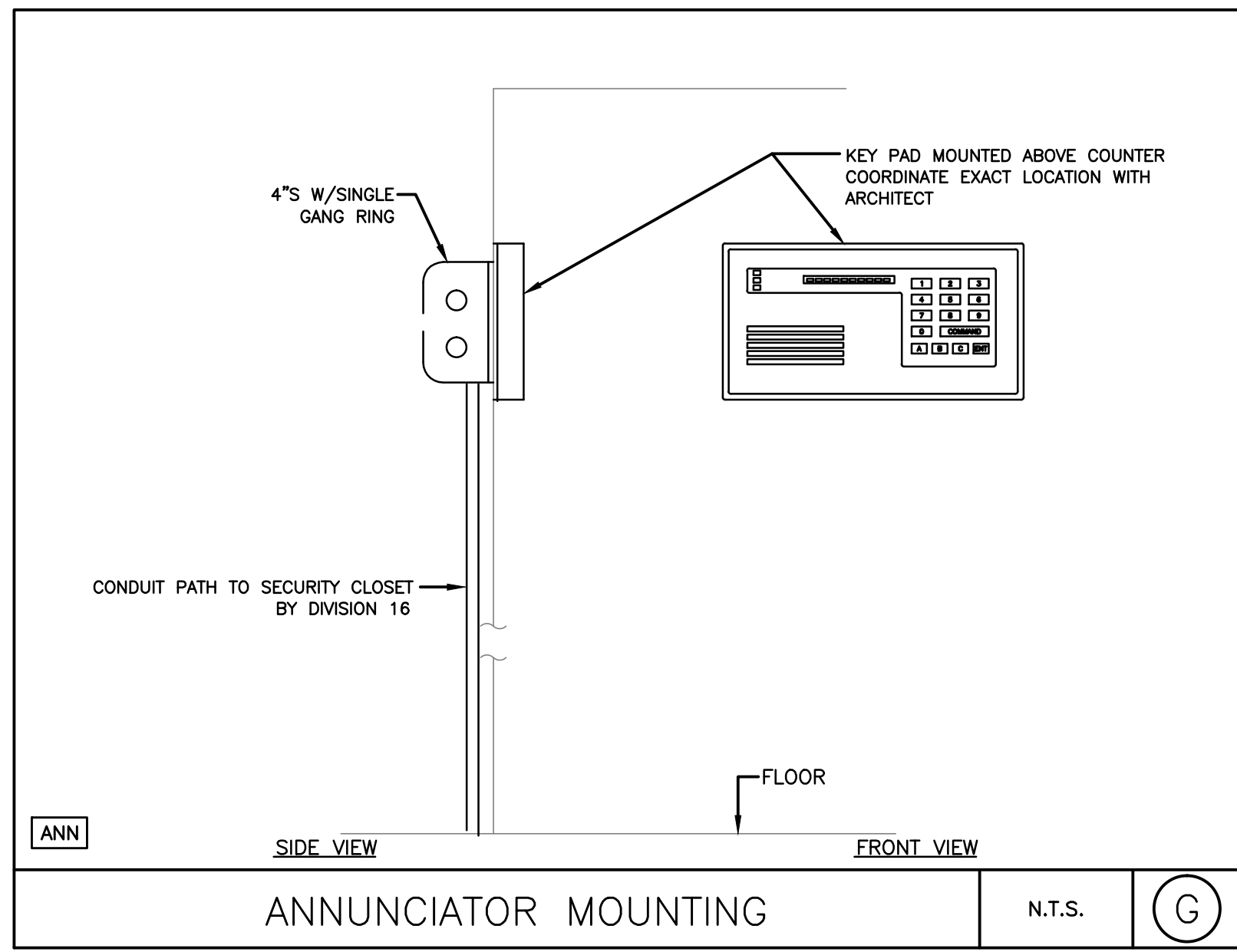
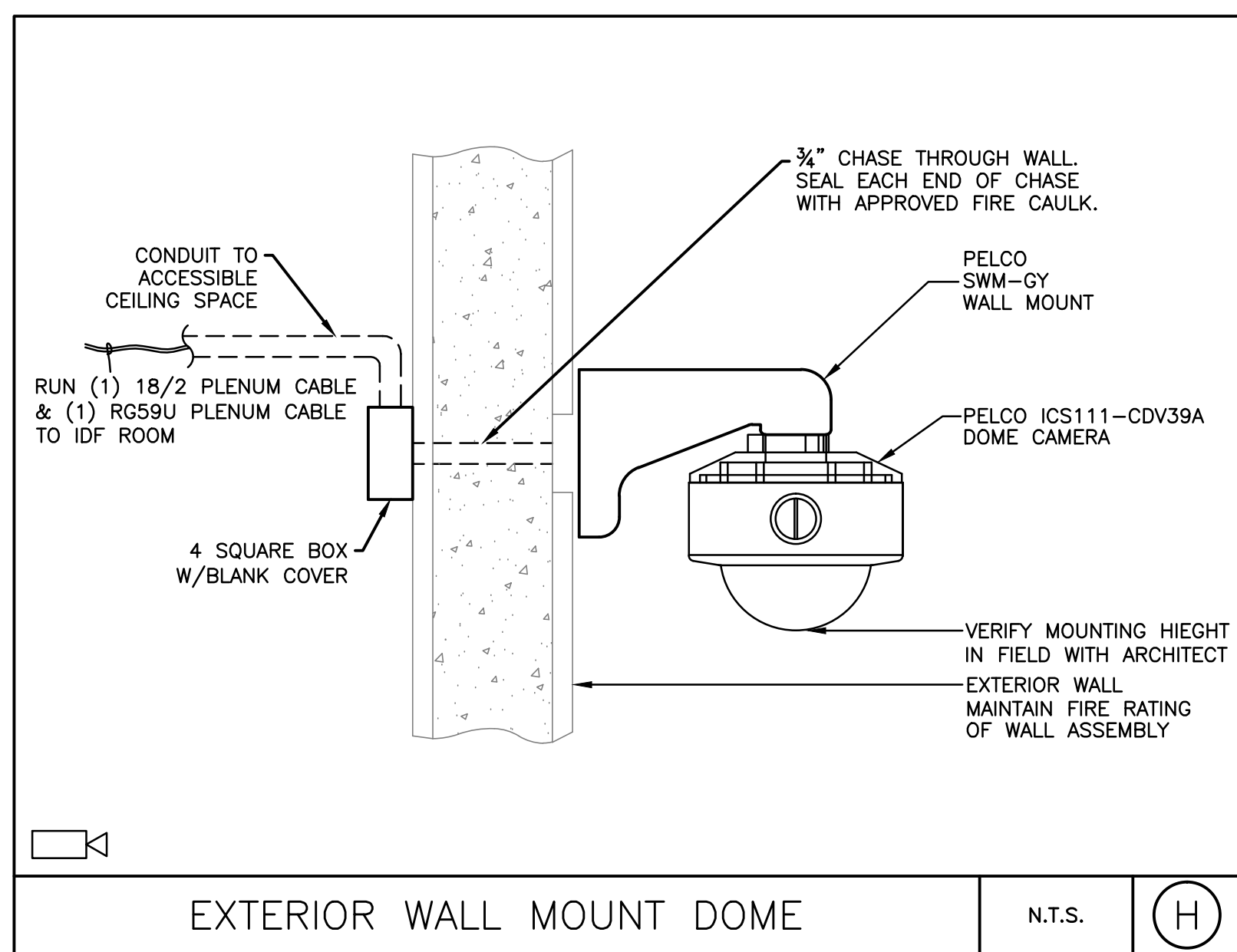
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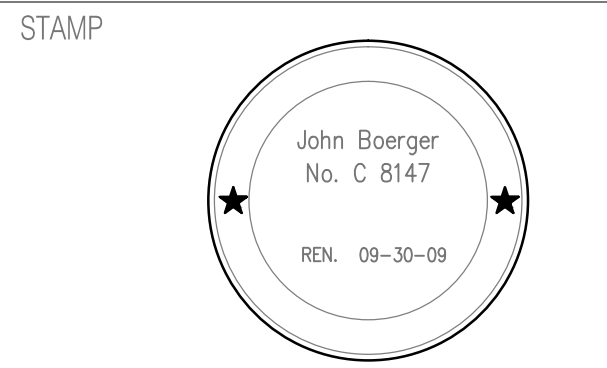
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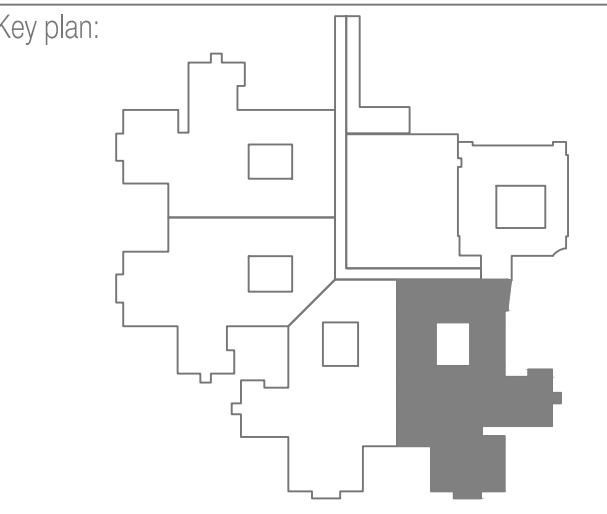
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Drawing Title
**SECURITY ELECTRONICS RISER
DIAGRAM AND DETAILS**

Scale: Drawing Number
ES8.16

Date: JUNE 15, 2012
Checked CM Drawn JWL Dwg. of -

A three inches = one foot
B one and one half inches = one foot
C one inch = one foot
D three quarters inch = one foot
E one half inch = one foot
F three eighths inch = one foot
G one quarter inch = one foot
H one eighth inch = one foot

DEVICE AND WIRING LEGEND					
SYMBOL	DESCRIPTION	MOUNTING HEIGHT	BACK BOX	WIRING	NOTES
▽"	TELEO CONNECTION	54" A.F.F.	REFER TO ES3.21, ES3.22, ES3.23 AND ES3.24	(1) CAT6	
▽	NETWORK AND TELEPHONE OUTLET	18" A.F.F.	REFER TO ES3.21, ES3.22, ES3.23 AND ES3.24	(4) CAT6	
▽.	NETWORK CONNECTION	82" A.F.F.	REFER TO ES3.21, ES3.22, ES3.23 AND ES3.24	(1) CAT6	
SWT	NETWORK AND TELEPHONE SWITCH GEAR	SEE DETAILS	SEE DETAILS	110 V	
Ⓢ	NETWORK CONNECTION AND W/120v RECEPTACLE (FLOOR BOX)	IN FLOOR	REFER TO ELECTRICAL DRAWINGS FOR TYPE AND LOCATION. COORDINATE WITH COTR.	(4) CAT6	

TELE/DATA DRAWING SCHEDULE		
ES 9.00	TELEDATA	LEGEND AND NOTES
ES 9.11	TELEDATA	NURSING UNIT A
ES 9.16	TELEDATA	DETAIL SHEET

DEVICE LEGEND NOTES	
A. ALL CABLES TO BE INSTALLED IN CONDUIT TO ACCESSABLE CEILING SPACE. THEN RAN IN CABLE TRAYS AND OR J-HOOK SYSTEM.	

ABBREVIATIONS					
A.F.F.	—	ABOVE FINISHED FLOOR	U.O.N.	—	UNLESS OTHERWISE NOTED
T.B.D.	—	TO BE DETERMINED	F.O.V.	—	FIELD OF VIEW
N/A	—	NOT APPLICABLE	A.C.P.	—	ACCESS CONTROL PANEL
SH	—	SHIELDED	I.A.P.	—	INTRUSION ALARM PANEL
TW	—	TWISTED	V.I.F.	—	VERIFY IN FIELD
WP	—	WEATHER PROOF	E	—	EXISTING
S.O.C.	—	SECURITY OPERATIONS CENTER	N	—	NEW
RECP	—	RECEPTION	R	—	REMOVE

SCOPE OF WORK	
1.	TELEDATA CONTRACTOR SHALL PROVIDE, INSTALL AND PROGRAM A COMPLETELY FUNCTIONAL AND OPERATIONAL SYSTEM AS SHOWN ON DRAWINGS AND SPECIFICATIONS.
2.	THE TELEDATA CONTRACTOR SHALL PROVIDE A PHASED INSTALLATION BASED ON THE OWNER AND GENERAL CONTRACTORS SCHEDULE.
3.	TELEDATA CONTRACTOR SHALL PROVIDE AND INSTALL ALL CONDUIT, WIRING, DEVICES, CONNECTIONS, PROGRAMMING, AND COORDINATION REQUIRED FOR A COMPLETELY FUNCTIONAL AND OPERATIONAL SYSTEM.
4.	PROVIDE AND INSTALL ALL CONDUIT, BACK BOXES, PULL BOXES AS SHOWN ON DRAWINGS.
5.	INCLUDE FINAL CONNECTION, PROGRAMMING, TRAINING, AND TESTING OF THE WORK TO THE HEAD-END EQUIPMENT.
6.	ATTENDANCE AT WEEKLY CONSTRUCTION COORDINATION MEETINGS.
7.	COORDINATION OF WORK WITH OTHER DESIGN AND INSTALLATION TRADES.
8.	SUBMITTAL OF PERMIT DRAWINGS AND OBTAINING ALL REQUIRED PERMITS, INSPECTIONS AND APPROVALS FROM THE AUTHORITIES HAVING JURISDICTION.
9.	THE OWNER WILL PROVIDE PCS FOR WORKSTATIONS AND OTHER CONVENTIONAL COMPUTER EQUIPMENT REQUIRED FOR THE SYSTEM. THE TELEDATA CONTRACTOR SHALL PROVIDE EQUIPMENT SPECIFICATIONS, AND BE RESPONSIBLE FOR PROVIDING AND INSTALLING NECESSARY SOFTWARE AND FOR CONFIGURATION OF THE EQUIPMENT.

INSTALLATION NOTES	
1.	ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL CODES. THE CONTRACTOR SHALL NOT INTERMIX ANY HIGH VOLTAGE POWER WIRES (120VAC) WITH ANY LOW VOLTAGE SIGNAL OR CONTROL WIRES IN ANY CONDUIT.
2.	VERIFY ALL FIELD DIMENSIONS AND CONDITIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOUND. VERIFY DIMENSIONS OF ALL OWNER FURNISHED EQUIPMENT & SERVICES TO ENSURE PROPER COORDINATION WITH CONSTRUCTION.
3.	SCHEDULE ALL WORK, INCLUDING CONSTRUCTION ACCESS AND STORAGE, WITH THE OWNER OR THOSE DESIGNATED BY THE OWNER. THE CONSTRUCTION SCHEDULE SHALL BE APPROVED BY THE OWNER PRIOR TO THE START OF CONSTRUCTION.
4.	ALL UTILITIES REQUIRED FOR THE CONTINUOUS OPERATION OF ALL EXISTING FACILITIES MUST BE MAINTAINED IN SERVICE AT ALL TIMES (IF APPLICABLE).
5.	CONTRACTOR SHALL PROVIDE DUST PROTECTION AS REQUIRED TO CONTAIN DUST AND DEBRIS WITHIN CONSTRUCTION AREA, BROOM CLEAN ALL AREAS EACH DAY.
6.	WORK SHALL BE EXECUTED IN A CAREFUL AND ORDERLY MANNER WITH THE LEAST POSSIBLE DISTURBANCE TO THE PUBLIC AND OCCUPANTS OF EXISTING BUILDINGS. INTERRUPTING PERSONNEL AT WORK AS A RESULT OF THIS UNDERTAKING SHALL ALWAYS BE KEPT TO A MINIMUM. CONTRACTOR SHALL PROVIDE TRAFFIC AND SAFETY SIGNS AND BARRIERS WHERE NECESSARY. NO POWER LINE IN THE BUILDING SHALL BE SHUT DOWN UNLESS REQUESTED AND APPROVED BY THE OWNER IN ADVANCE.
7.	THE CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK ON PREMISES SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING A REASONABLE AND PRUDENT SAFETY PROGRAM INCLUDING, BUT NOT LIMITED TO, THE ISOLATION OF WORK AREAS AND THE PROMPT REMOVAL OF ANY DEBRIS OR TOOLS WHICH MIGHT ENDANGER VISITORS OR EMPLOYEES OF THE FACILITY. ALL ROADS AND WALKWAYS SHALL REMAIN CLEAR AND UNOBSTRUCTED. WHEN NECESSARY ALTERNATE ROUTES MUST BE MAINTAINED, SHOULD UNSAFE CONDITIONS OCCUR.
8.	COORDINATION WITH OTHER CONTRACTORS IF ANY PART OF THE CONTRACTORS WORK DEPENDS UPON THE WORK OF A SEPARATE CONTRACTOR, THIS CONTRACTOR SHALL INSPECT SUCH OTHER WORK AND PROMPTLY REPORT IN WRITING TO THE PROJECT ARCHITECT ANY DEFECTS IN SUCH OTHER WORK THAT RENDER IT UNSUITABLE TO RECEIVE THE WORK OF THIS CONTRACTOR. FAILURE TO INSPECT AND REPORT SHALL CONSTITUTE AN ACCEPTANCE OF THE OTHER CONTRACTORS WORK EXCEPT AS TO DEFECTS WHICH DEVELOP IN OTHER CONTRACTORS WORK AFTER EXECUTION OF THIS CONTRACTORS WORK.
9.	THE CONTRACTOR SHALL ALWAYS MAINTAIN, AT THE JOB SITE, UPDATED "RECORD" DRAWINGS. THESE DRAWINGS SHALL BE AVAILABLE TO THE ARCHITECTS, INSPECTORS OR THE OWNERS UPON REQUEST.
10.	NO CABLE RUN SHALL BE SPLICED UNLESS TWO OR MORE DEVICES ARE CONNECTED TO THE SAME CIRCUIT OR THE DEVICE IS PROVIDED FROM THE FACTORY WITH PIGTAIL WIRES. WHERE SPLICING IS REQUIRED, THE SPLICE SHALL BE SOLDERED AND TAPED. IT SHALL BE DONE IN EITHER A SPECIAL TERMINAL BOX, AT THE BACK BOX OR AT THE DEVICE TERMINAL. LOGS: ALL SPLICE BOXES MUST BE IN ACCESSIBLE AREAS AND CLEARLY MARKED ON THE RECORD DRAWINGS.
11.	ALL WIRES SHALL BE COLOR CODED AND SHALL BE CONNECTED IN A UNIFORM MANNER. TRANSPOSING OR CHANGING OF COLOR CODES SHALL NOT BE PERMITTED. WIRE AND CABLE SIZES, NUMBER OF CONDUCTORS, SHIELDING OR OTHER ITEMS LISTED ON THESE DRAWINGS ARE A GUIDE TO THE CORRECT PRODUCT REQUIRED TO ACHIEVE A WORKING SYSTEM AND REPRESENT THE MINIMUM ACCEPTABLE STANDARDS. CONTRACTOR SHALL CONSULT MANUFACTURERS RECOMMENDATION FOR CABLEING AND USE WHICHEVER IS GREATER IN QUALITY, QUANTITY, GAUGE, SHIELDING AND NUMBER OF CONDUCTORS.
12.	ALL WIRING, INCLUDING SHIELDS, MUST BE FREE OF SHORTS, GROUNDS AND STRAY VOLTAGES.
13.	ALL CABLES TO BE INSTALLED IN CONDUIT TO ACCESSIBLE CEILING SPACE. THEN RAN IN CABLE TRAYS AND OR J-HOOK SYSTEM WHEN CABLES MUST PASS OVER HARD CAP CEILINGS CONDUIT SHALL BE RAN AS REQUIRED. CONDUIT SHALL BE FURNISHED AND INSTALLED BY DIVISION 15.
14.	A PRE PRINTED VINYL MATERIAL, MARKER WRAPPED IN ADHESIVE CLEAR PLASTIC SHALL BE PROVIDED TO THE FOLLOWING: A. CABLES WITHIN 6" UPON ENTRY AT ANY SECURITY PANEL, TERMINATION OR SPLICE BOX. B. ALL WIRE LEADS WITHIN 2" FROM ANY TERMINAL BLOCK. C. THE CONTRACTOR SHALL SUBMIT SAMPLES OF MARKERS AND ANY NUMBERING OR MARKING SYSTEM FOR REVIEW PRIOR TO IMPLEMENTATION.
16.	ALL ELECTRICAL POWER SUPPLIED TO EQUIPMENT OR DEVICES SHALL BE ON AN EMERGENCY SYSTEM INCLUDING UPS WHERE AVAILABLE. ALL CONDUCTORS AND CIRCUIT BREAKERS SHALL BE SIZED IN ACCORDANCE WITH THEIR CONNECTED LOADS (20 AMP MINIMUM). ALL CIRCUITS SHALL BE DESIGNATED A GROUND CONDUCTOR SHALL ALWAYS BE INSTALLED IN ANY POWER WIRING. ALL EQUIPMENT UTILIZING ELECTRICAL POWER SHALL ALSO BE ADEQUATELY GROUNDED.
17.	WHERE A TELEDATA CIRCUIT IS TAKEN FROM A LOAD CENTER UTILIZED FOR OTHER ELECTRICAL PURPOSES, THE BRANCH CIRCUIT BREAKER FOR TELEDATA EQUIPMENT SHALL BE LOCKABLE TYPE TO PREVENT ANY ACCIDENTAL SWITCH-OFF. NO TELEDATA CIRCUIT IS TO BE SHARED WITH NON TELEDATA EQUIPMENT.
18.	THE CONTRACTOR SHALL PROPERLY SEAL ALL CONDUIT OR SLEEVE PENETRATIONS THROUGH ALL WALLS, FLOORS AND CEILINGS USING APPROVED FIRE STOPPING MATERIALS AND SEALANTS REGARDLESS OF RATING AND AS PER APPLICABLE BUILDING CODES.
19.	ALL ROUTING OF WIRING AND ANY RELATED CONDUIT IS DIAGRAMMATIC. CONTRACTOR SHALL FIELD VERIFY EXACT ROUTING PRIOR TO INSTALLATION.
20.	PROVIDE PULL STRINGS IN ALL CONDUITS. PROVIDE BLANK COVERS ON ALL JUNCTION AND PULL BOXES.
21.	ALL CONDUITS AND CABLE PATHS SHALL RUN PARALLEL WITH OR AT RIGHT ANGLES TO THE WALLS. IF MORE THAN TWO 90 DEGREE BENDS ARE TO BE USED IN THE CONDUIT RUN, INSERT A PULL BOX. CONTRACTOR SHALL SIZE THE BOX ACCORDINGLY. CONDUITS SHALL BE SIZED AS INDICATED ON THE DRAWINGS OR LARGER AS REQUIRED TO COMPLY WITH CODE. MINIMUM ALLOWABLE CONDUIT SIZE SHALL BE 3/4".
22.	THE CONTRACTOR SHALL CLEAN AND THOROUGHLY CHECK ALL INSTALLED WORK PRIOR TO CONCEALING OF ARCHITECTURAL FINISHING. CLEAN ALL EXPOSED SURFACES AND NEW EQUIPMENT AFTER COMPLETION. THE CONTRACTOR SHALL ALSO REPAIR OR CLEAN ALL SOLED SURFACES, PAINTED SURFACES OR DAMAGED ARCHITECTURAL FINISHES TO MATCH THE ADJACENT AREA, WHERE REQUIRED. CLEANING, PATCHING OR PAINTING TO BRING THE AFFECTED SURFACE OR FINISH BACK TO ITS ORIGINAL CONDITION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
23.	ALL DEVICES AND EQUIPMENT SHALL BE INSTALLED WITH CONSIDERATION TO BARRIER FREE ACCESSIBILITY.
24.	WHERE CONCRETE FLOORS ARE TO BE CORED, AN X-RAY MACHINE SHALL BE USED TO INSURE THAT NO STRUCTURAL ELEMENTS (E.G. REBAR) WILL BE COMPROMISED OR DAMAGED.
25.	WHERE THE CONTRACTOR HAS TO CHANGE ANY DEVICE TYPE OR MOUNTING TO SUIT ACTUAL CONDITIONS, THIS SHALL BE DONE WITHOUT EXTRA COST TO THE OWNERS. THIS INCLUDES ANY ADDITIONAL PART TO BE SUPPLIED BY THE CONTRACTOR TO ACCOMPLISH PROPER MOUNTING OF A DEVICE. HOWEVER, IT SHALL BE REQUESTED, SUBMITTED AND APPROVED IN WRITING BEFORE COMMENCING THE WORK.
26.	THE CONTRACTOR SHALL UNDERTAKE THIS WORK IN ITS ENTIRETY IN ACCORDANCE WITH ITS DESIGN AND PURPOSE. ALL WORK SHALL BE CARRIED OUT IN A PROFESSIONAL MANNER WITH MAXIMUM EFFICIENCY AND EXCELLENT WORKMANSHIP.
27.	IN THE EVENT OF A DISCREPANCY BETWEEN THE SPECIFICATIONS AND THE DRAWINGS, WHOEVER IS MORE STRINGENT OR CALLS FOR THE HIGHEST QUANTITY OR QUALITY OF MATERIALS HAS PRECEDENCE.
28.	THE USE OF THE WORD "PROVIDE" IN CONNECTION WITH ANY ITEM SPECIFIED, IS INTENDED TO MEAN THAT SUCH SHALL BE FURNISHED, INSTALLED AND CONNECTED, WHERE SO REQUIRED, EXCEPT AS NOTED OTHERWISE.
29.	PRIOR TO SUBMITTAL OF BID, NOTIFY, IN WRITING, SPECIFIED MATERIALS OR EQUIPMENT WHICH ARE EITHER UNAVAILABLE OR WILL CAUSE A DELAY IN CONSTRUCTION COMPLETION SCHEDULE.



Department of
Veterans Affairs
3801 Miranda Ave., Palo Alto CA

Project Title 520 A WING REDESIGN FOR F.O.R. PROGRAM	
Location VA MED CTR, PALO ALTO, CA	
Project Number 640-12-110P	Building Number 520
ARCHITECTS:	

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Architects and Planners
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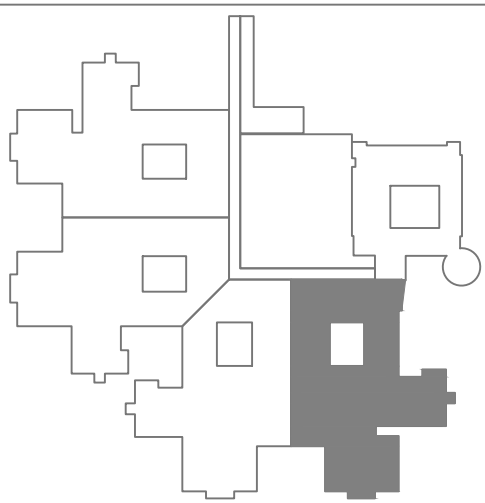
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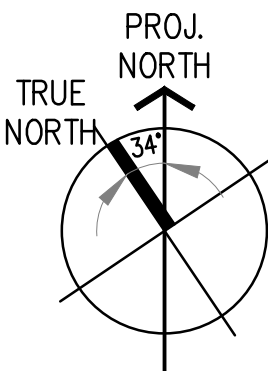


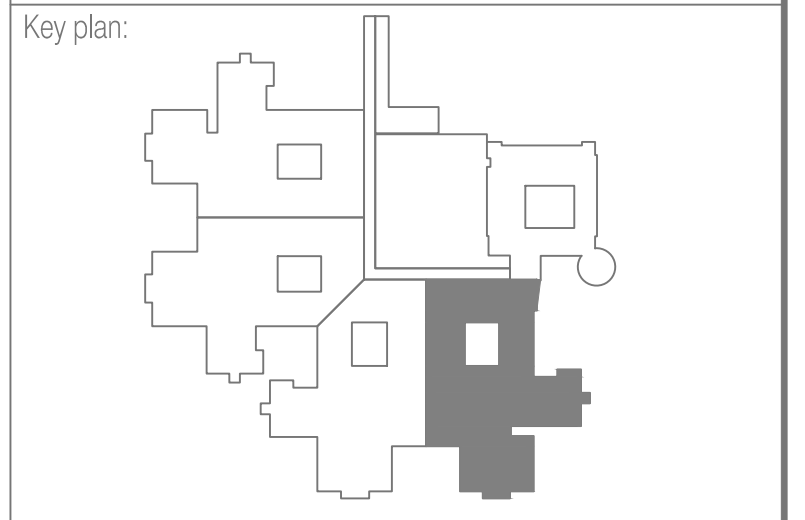
Key plan:



CONSTRUCTION DOCUMENT
BID SET

100% CONSTRUCTION DRAWINGS	06-15-2012
Revisions:	Date
Approved: Project Director	
Drawing Title TELE/DATA LEGENDS AND NOTES	
Scale:	Drawing Number ES9.00
Date: JUNE 15, 2012	Dwg. of -
Checked	Drawn





A

three inches = one foot

1

one and one half inches = one foot

B

2

one inch = one foot

C

three quarters inch = one foot

D

one half inch = one foot

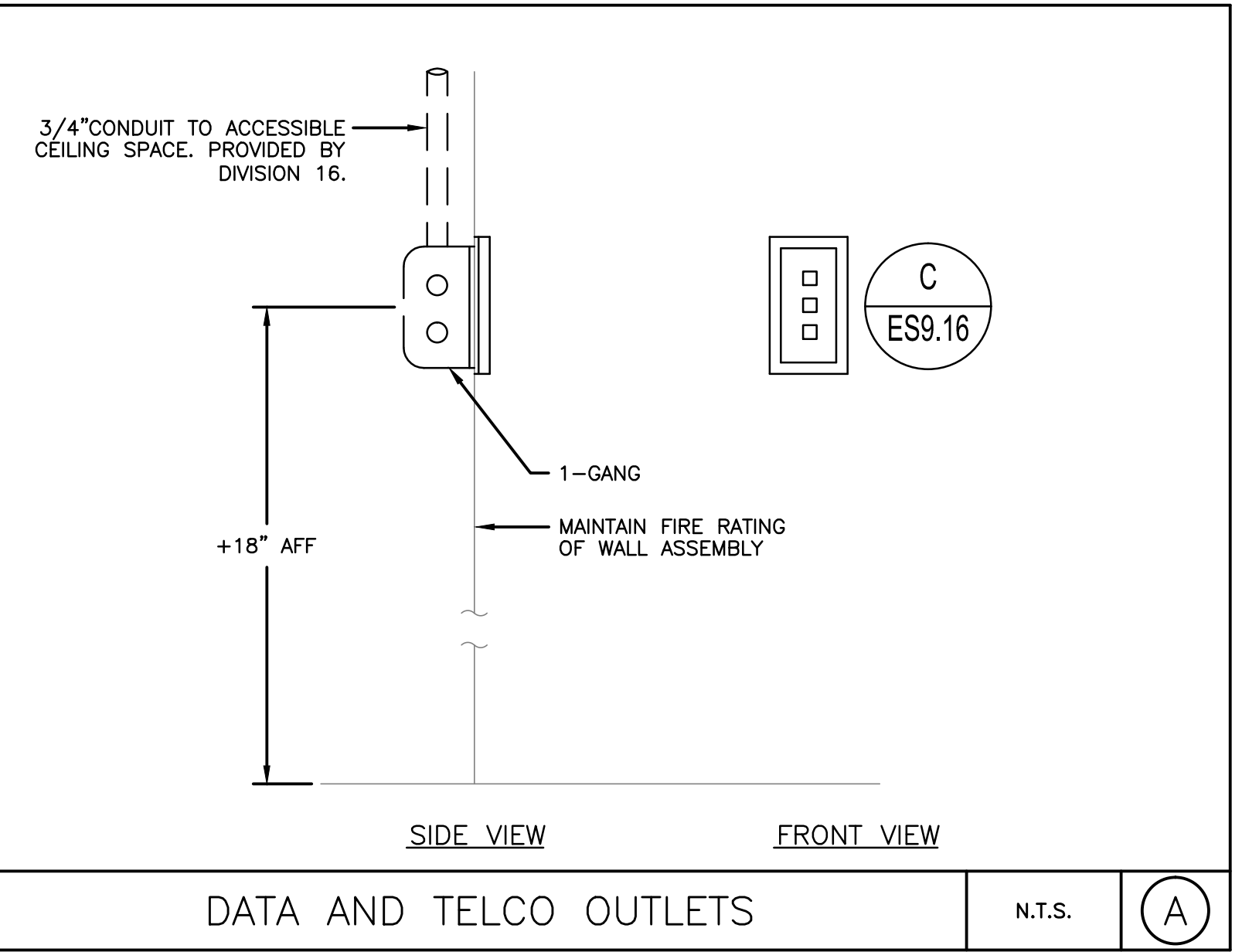
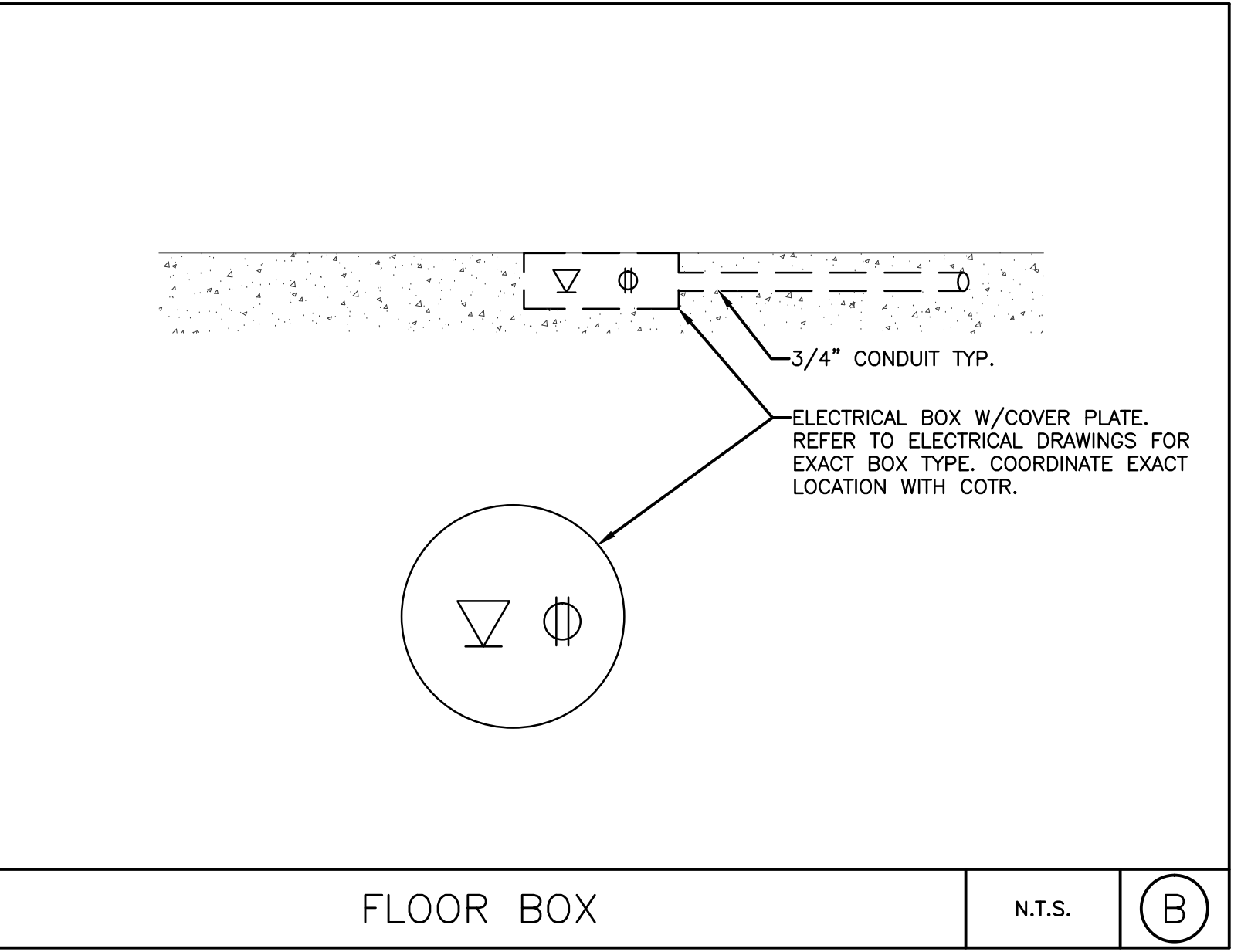
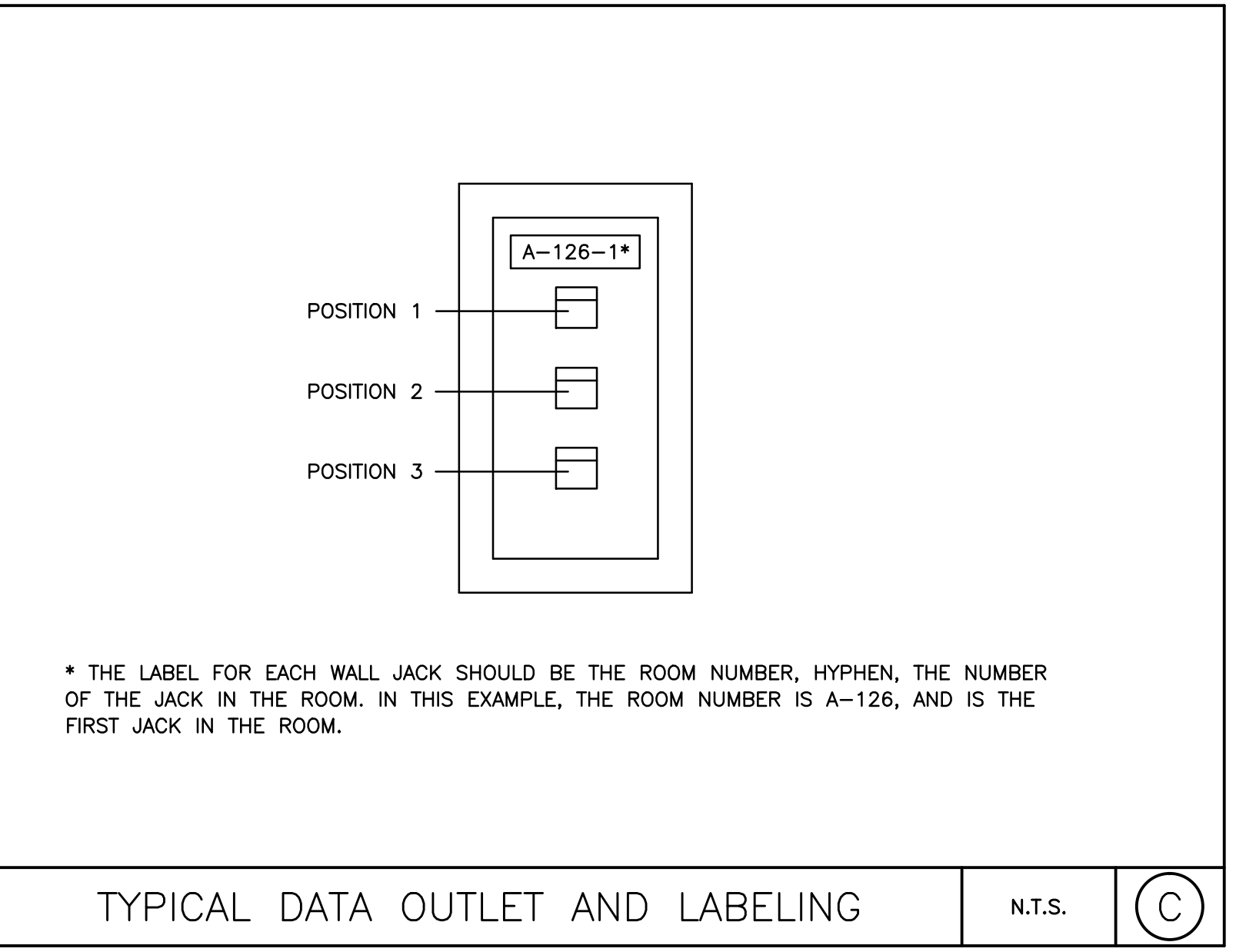
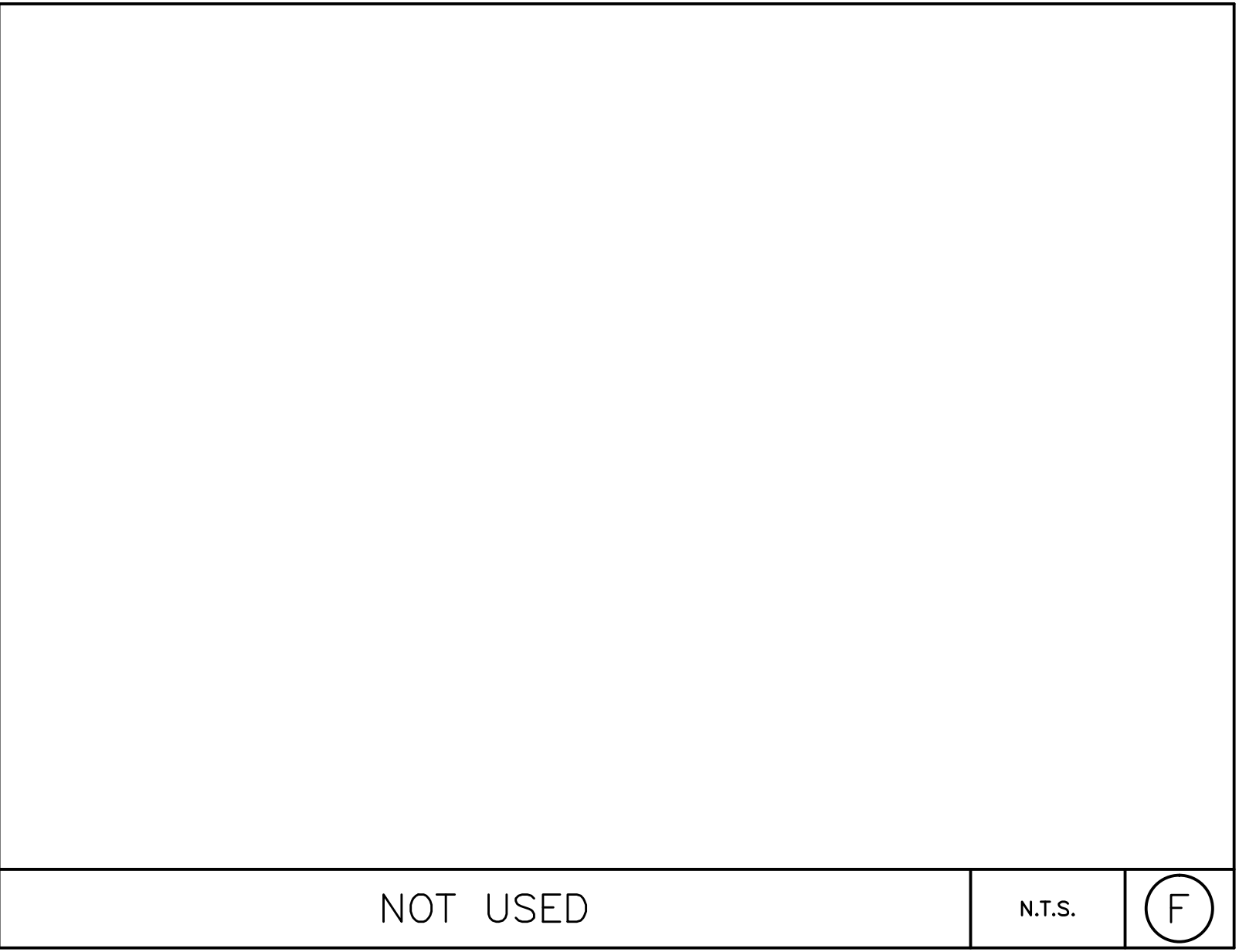
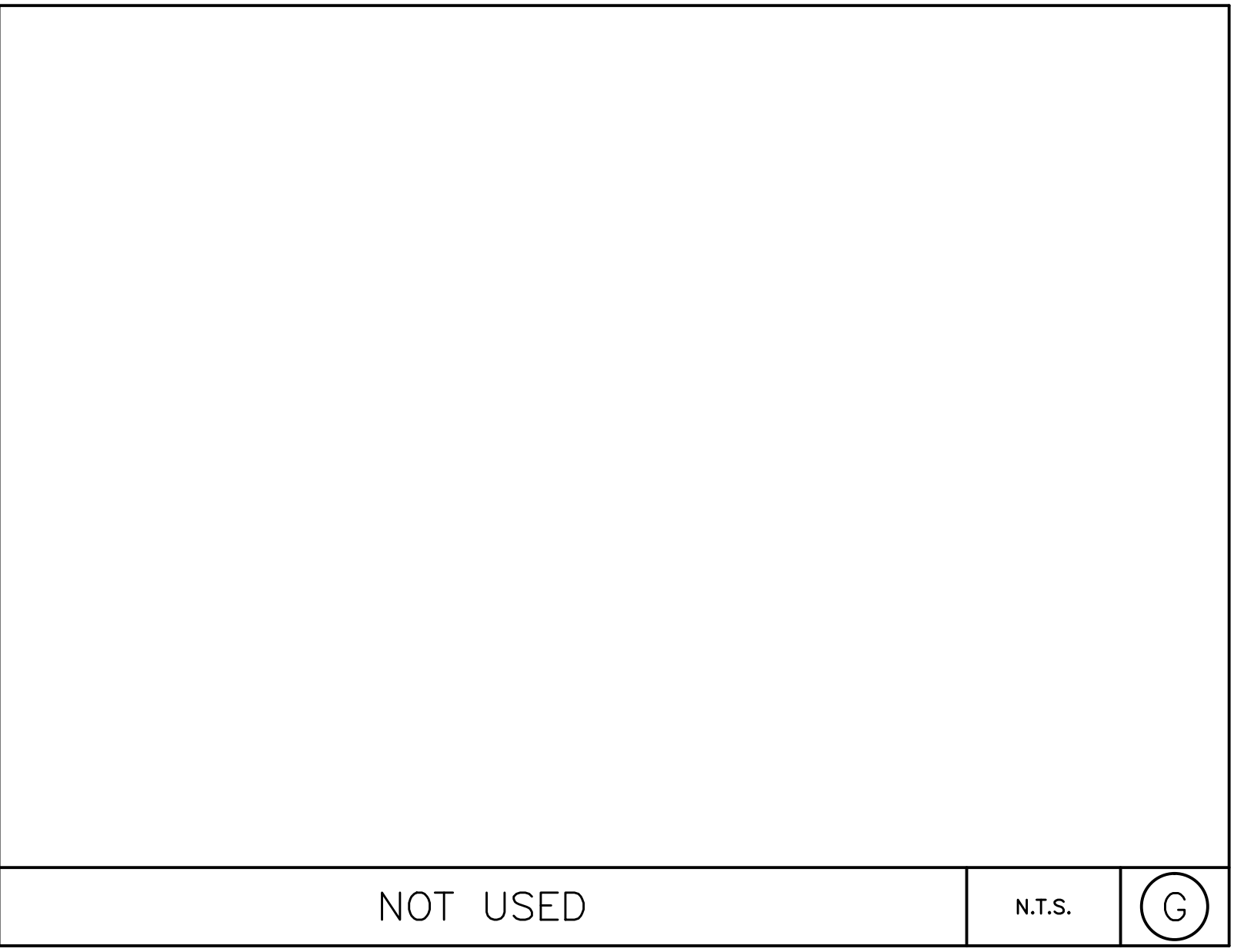
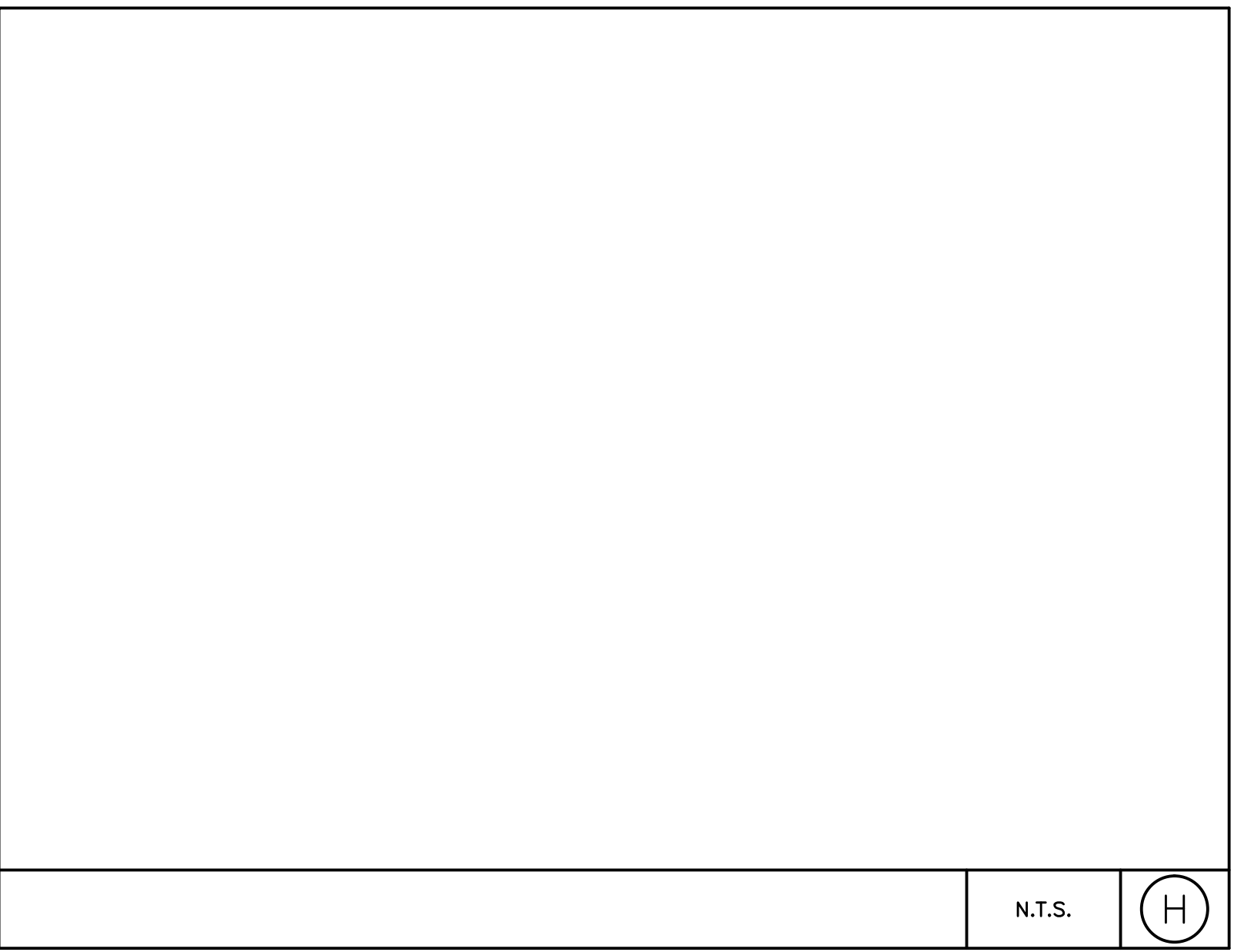
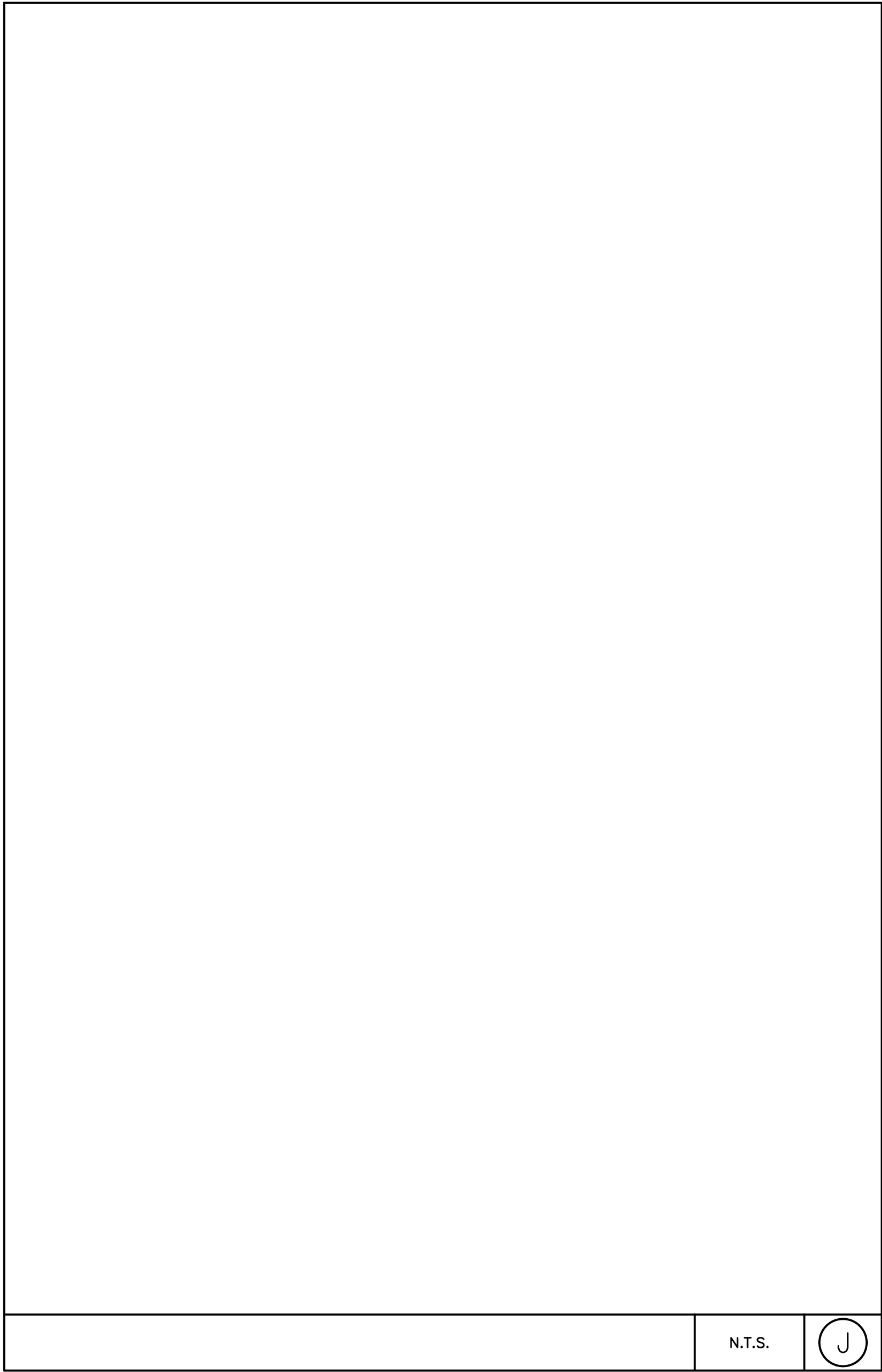
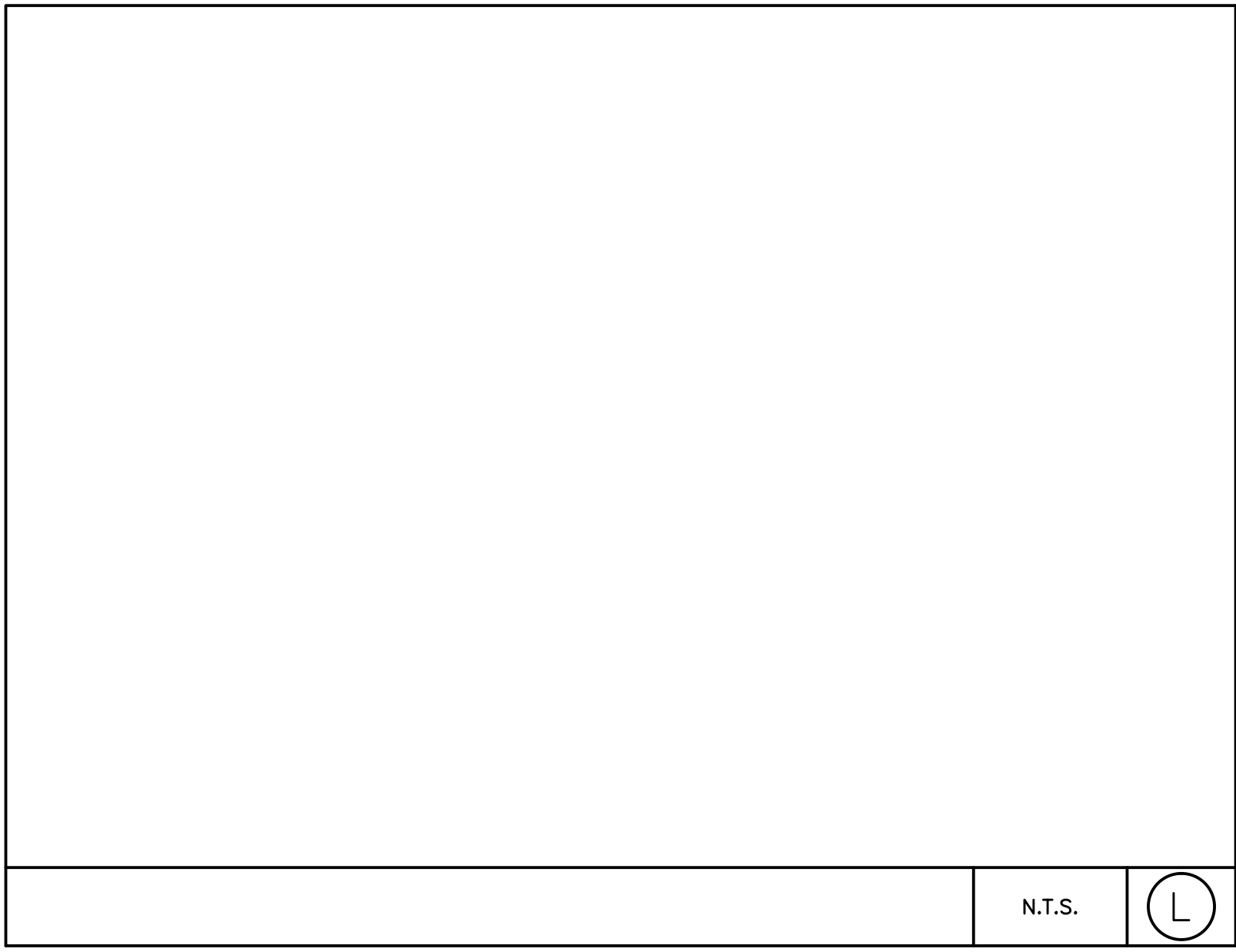
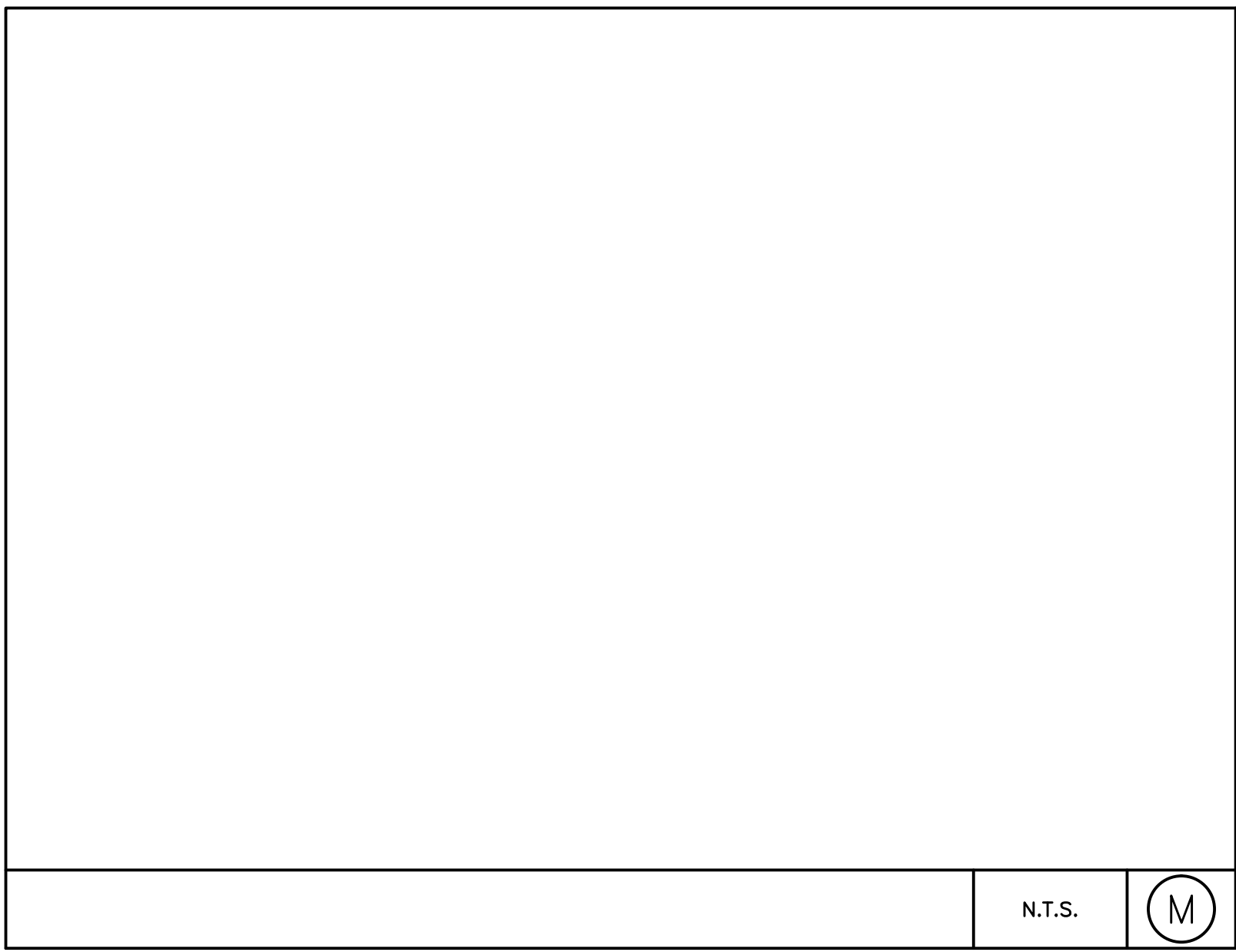
E

three eighths inch = one foot

F

one quarter inch = one foot

one eighth inch = one foot



DETAILS ARE DIAGRAMMATIC. REFER TO MANUFACTURERS INSTALLATION MANUALS FOR FURTHER INFORMATION.



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Location VA MED CTR, PALO ALTO, CA	
Project Number 640-12-110P	Building Number 520
ARCHITECTS:	

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Partnership

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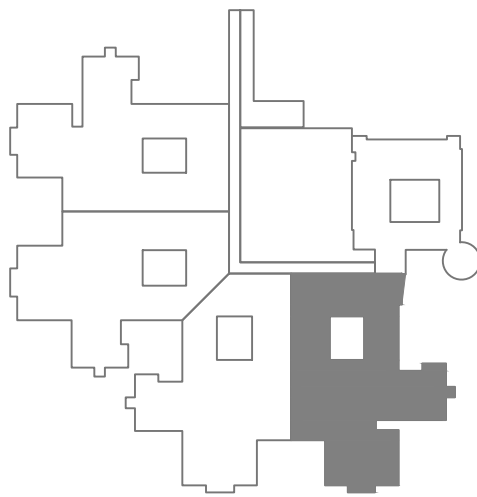
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Key plan:



CONSTRUCTION DOCUMENT
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100% CONSTRUCTION DRAWINGS	06-15-2012
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