

Construction Documents

Revisions:

Date

062-053593

REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

ARUN K. GARG

11/30/2017

CONSULTANTS:

O'BrienEngineering, Inc.

Hydraulics - Hydrology - Civil Engineering

KJWW

ENGINEERING CONSULTANTS

Experience you can build on.™

H2B INC.

Texas Firm Registration No. 8856

1225 N Loop W, Suite 800

HOUSTON, TX 77008

713.864.2900

ARCHITECT/ENGINEERS:

COX DESIGN ASSOCIATES

ARCHITECTURE PLANNING INTERIORS

Austin 5121 Bee Caves Road, Suite 203 Chicago 820 Davis St., Suite 432

Austin, Texas 78746 Evanston, IL 60201

T:312 - 327 - 4149 F:312 - 454 - 9434

F:312 - 327 - 7679 F:312 - 454 - 9439

bcox@coxdesignassociates.com bcox@coxdesignassociates.com

Approved: Chief of MH

Date:

Approved: Chief of FMS

Date:

Approved: Director

Date:

Approved: VA Energy Engineer

Date:

Drawing Title

TECHNOLOGY SITE PLAN

Location

TOMAH VAMC

500 E. VETERANS STREET

TOMAH, WI. 54660

Project Name

VA Tomah CLC Homes

Project Number

676-324

Date

12/16/2016

Drawing Number

1-T-100

Dwg.

Building Number

411 & 412

Checked

RHC

Drawn

MAG

Office of Construction and Facilities Management

[illegible]

ARCHITECTURE	PLANNING	INTERIORS
Austin 5121 Bee Caves Road, Suite 203 Austin, Texas 78746 T:512 - 327 - 4149 F:512 - 327 - 7679 bcxo@coxdesignassociates.com		Chicago 820 Davis St., Suite 432 Evanston, IL 60201 T:312 - 454 - 9434 F:312 - 454 - 9439 bcxo@coxdesignassociates.com

Date:

Location
TOMAH VAMC
500 E. VETERANS STREET
TOMAH, WI. 54660

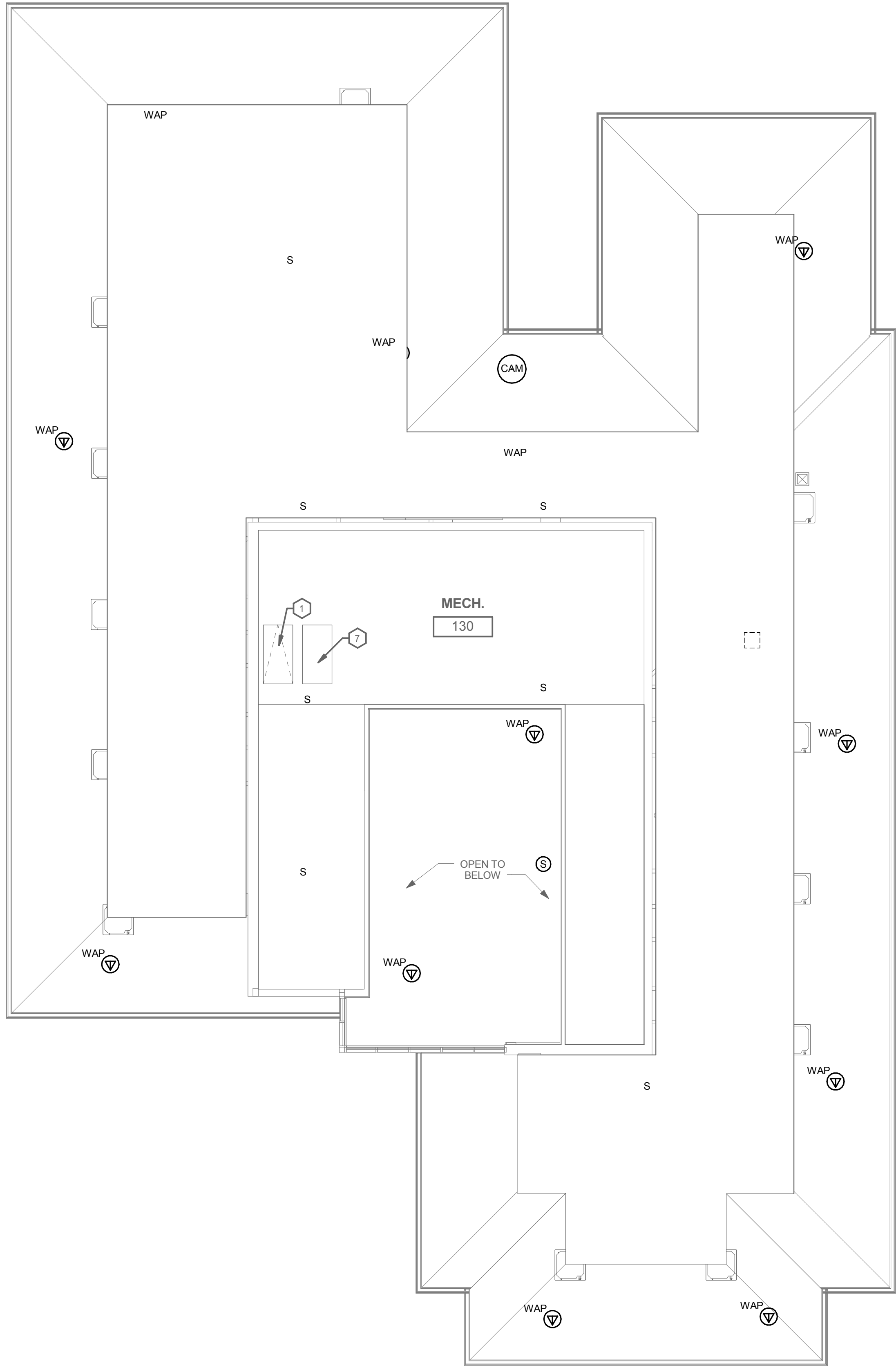
Drawn

1-T-201

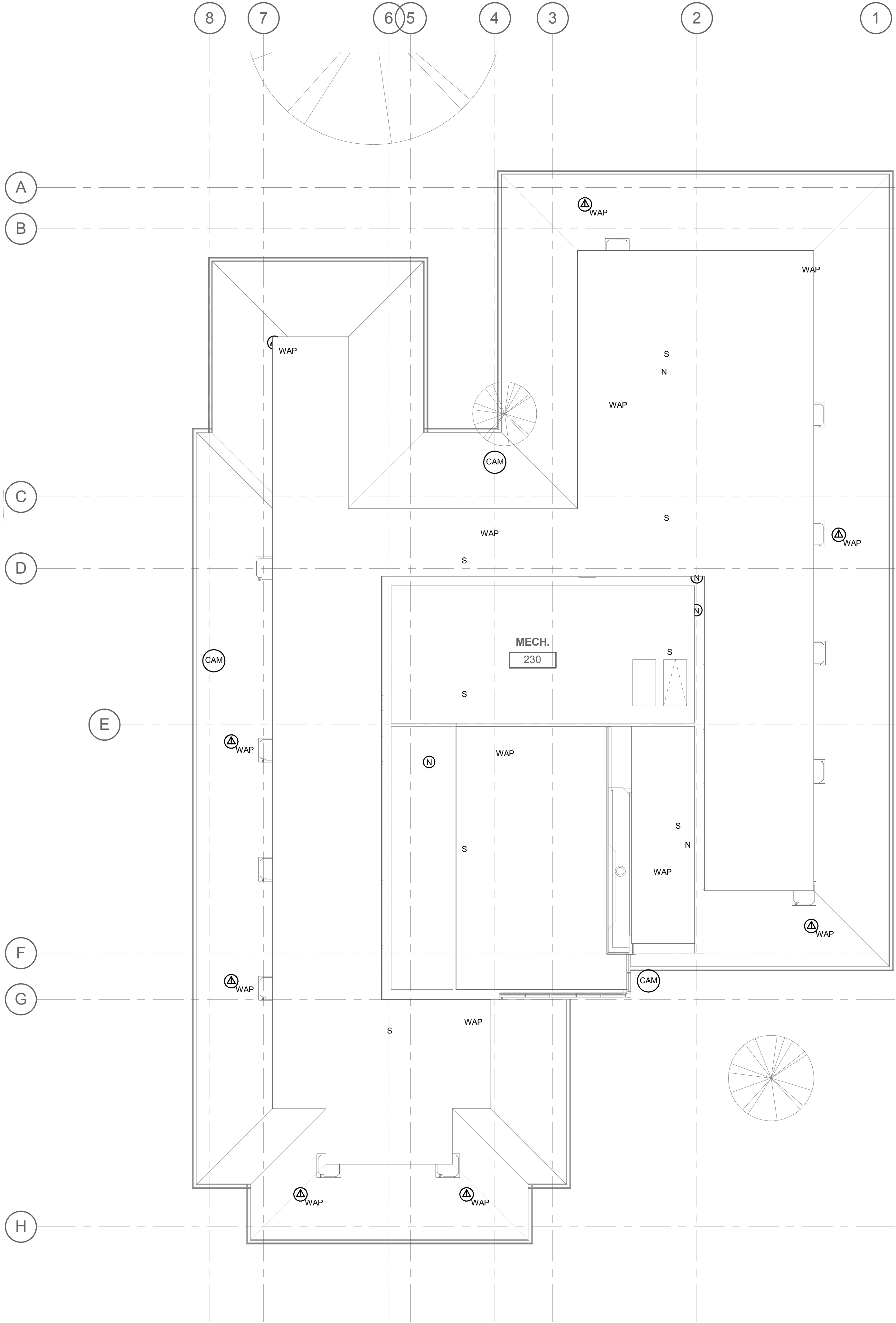
1
2
3
4
5
6
7
8
9

A
B
C
D
E
F

three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot



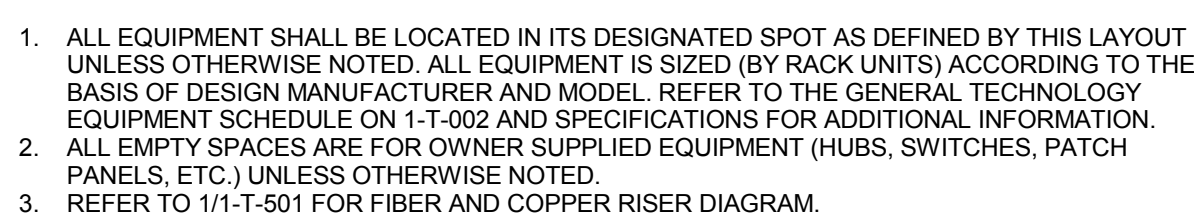
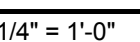
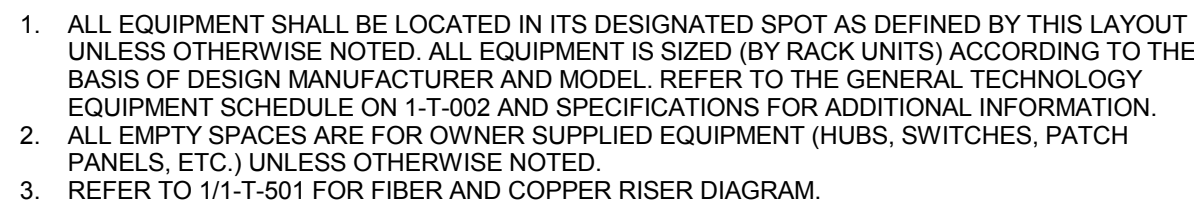
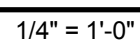
1 TECHNOLOGY ATTIC PLAN - BLDG. 411
1/8" = 1'-0"



2 TECHNOLOGY ATTIC PLAN - BLDG. 412
1/8" = 1'-0"

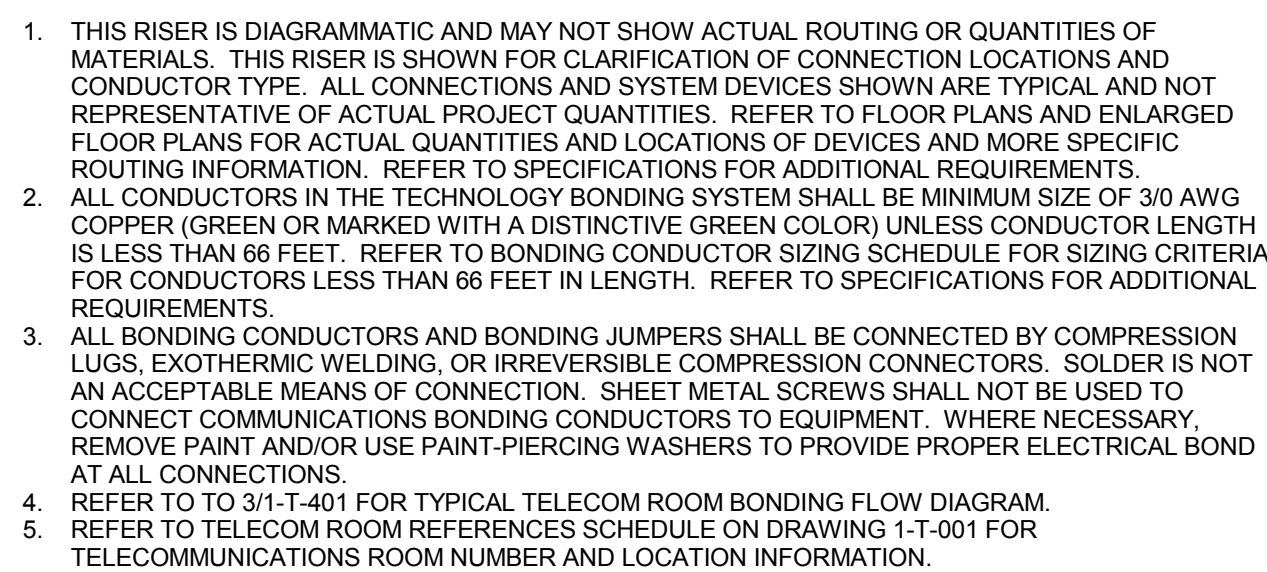
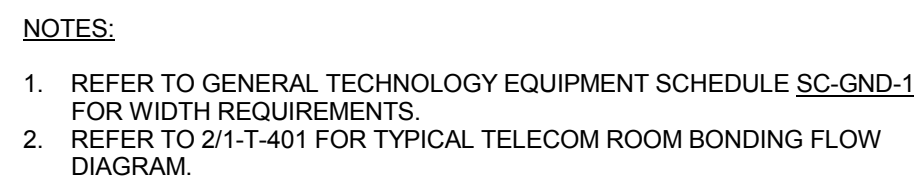
Construction Documents

Revisions: Date		CONSULTANTS: Hydraulics - Hydrology - Civil Engineering ENGINEERING CONSULTANTS Experience you can build on. Texas Firm Registration No. 8856 1225 N Loop W, Suite 800 HOUSTON, TX 77008 713.864.2900	ARCHITECT/ENGINEERS: COX DESIGN ASSOCIATES ARCHITECTURE PLANNING INTERIORS Austin 5121 Bee Caves Road, Suite 203 Austin, Texas 78746 T: 312 - 327 - 4149 F: 312 - 327 - 7679 bcoc@coxdesignassociates.com Chicago 820 Davis St., Suite 432 Evanston, IL 60201 T: 312 - 454 - 9434 F: 312 - 454 - 9439 bcoc@coxdesignassociates.com	Approved: Chief of MH Date: Approved: Director Date:	Approved: Chief of FMS Date: Approved: VA Energy Engineer Date:	Drawing Title ATTIC TECHNOLOGY PLANS - BLDG. 411 & 412 Location TOMAH VAMC 500 E. VETERANS STREET TOMAH, WI. 54660	Project Name VA Tomah CLC Homes Building Number 411 & 412	Project Number 676-324 Date 11/28/2016 Drawing Number 1-T-202 Dwg.	Office of Construction and Facilities Management



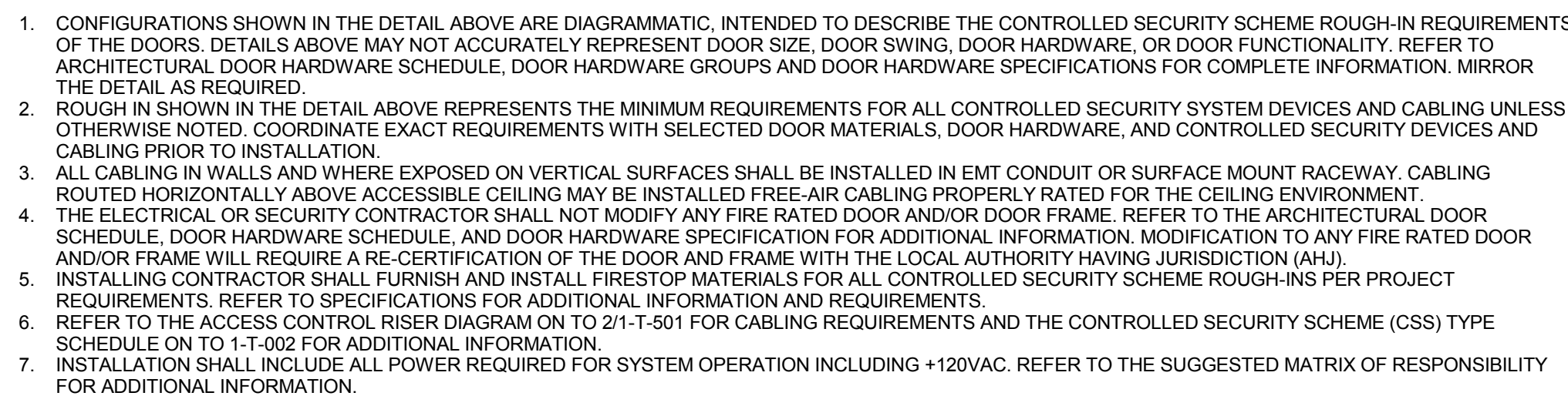
g





BONDING CONDUCTOR SIZING SCHEDULE	
CONDUCTOR LENGTH IN FEET	MINIMUM ACCEPTABLE SIZE - AWG
LESS THAN 13'	6
14' - 20'	4
21' - 26'	3
27' - 33'	2
34' - 41'	1
42' - 52'	1/0
53' - 66'	2/0
GREATER THAN 66'	3/0

1. BONDING CONDUCTOR FOR TELECOMMUNICATIONS (BCT). BCT SHALL BE THE SAME SIZE AS THE TBB OR LARGER. REFER TO BONDING CONDUCTOR SIZING SCHEDULE FOR SIZING REQUIREMENTS.



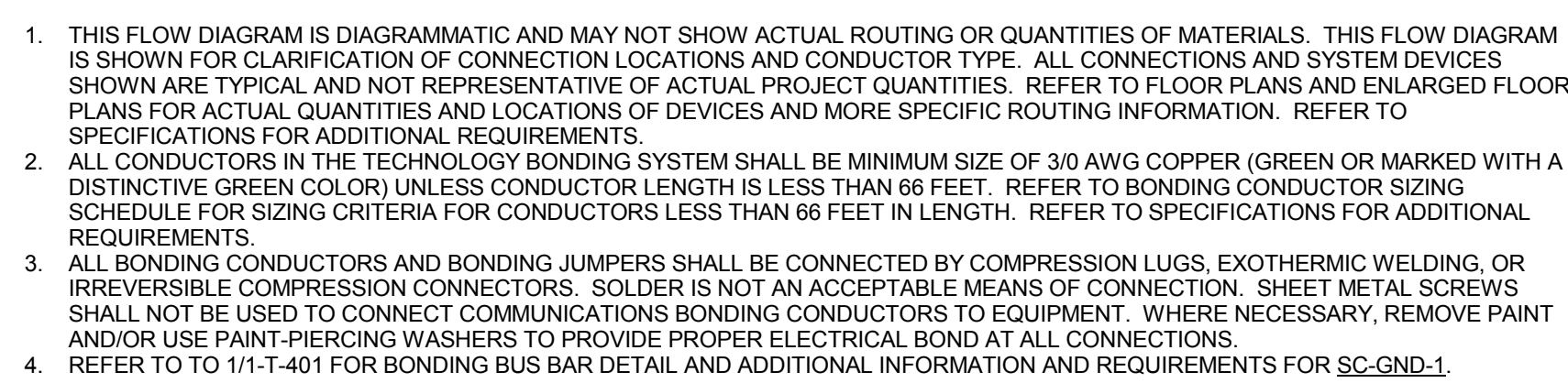
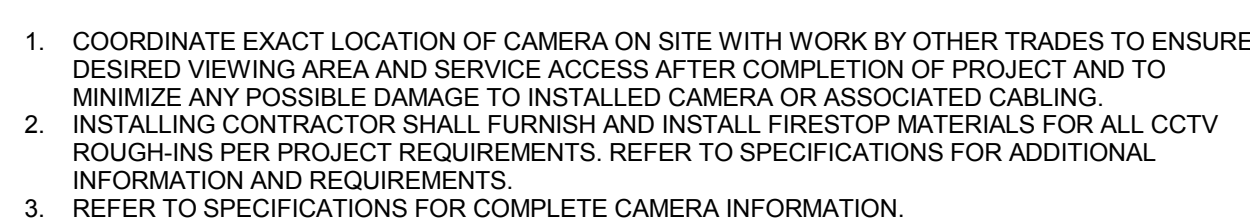
1. PROVIDE JUNCTION BOXES IN THE DOOR FRAME WHERE SHOWN ON THIS DETAIL. ROUGH-IN SHALL BE PROVIDED WHETHER THE CURRENT SECURITY SCHEME UTILIZES THEM OR NOT. ALL CONDUITS SHALL BE EMT CONDUIT UNLESS OTHERWISE NOTED. FLEXIBLE CONDUIT OF ANY TYPE WILL NOT BE ACCEPTED. COORDINATE INSTALLATION WITH ON-SITE DOOR FRAME INSTALLATION CONTRACTOR.

2. PROVIDE CONDUIT AND WIRING REQUIRED TO BE INSTALLED UNLESS OTHERWISE NOTED. ELECTRIC HINGE MONITORS ARE NOT AN ACCEPTABLE REPLACEMENT FOR THE RECESSED DOOR POSITION SWITCH.

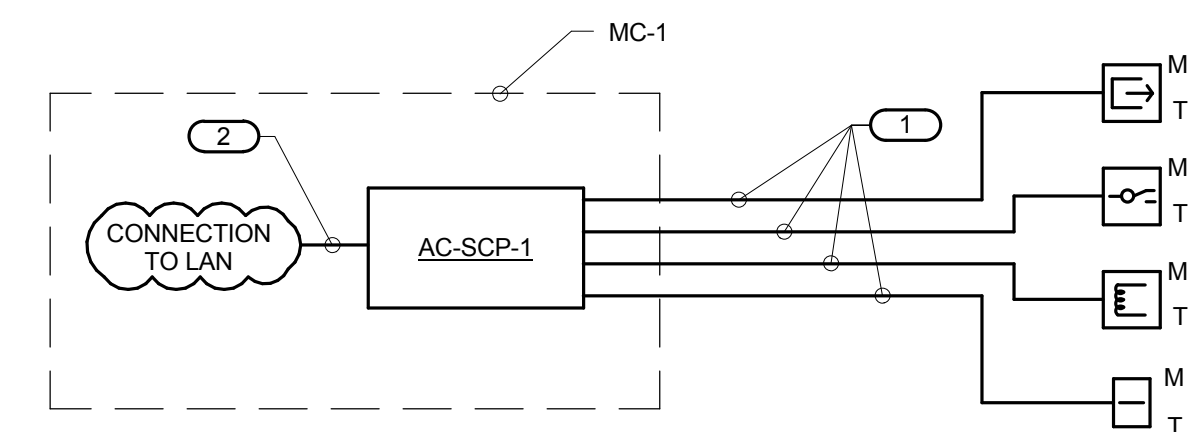
3. DOUBLE GANG BACKBOX WITH SINGLE GANG PLASTER RING. REFER TO FLOOR PLANS FOR ACTUAL CREDENTIAL READER TYPE AND ROUGH-IN LOCATIONS.

4. PROVIDE CONDUIT AND WIRING REQUIRED TO BE INSTALLED WITH BUILDING ELECTRICALS ON THE SECURE SIDE OF THE DOOR ABOVE ACCESSING CABLE. INSTALLING CONTRACTOR SHALL SIZE THE JUNCTION BOXES PER SYSTEM INSTALLATION REQUIREMENTS AND APPLICABLE CODES. MAINTAIN ACCESS TO THE JUNCTION BOX.

5. PROVIDE ONE HORIZONTALLY MOUNTED SINGLE GANG BACKBOX FOR THE REQUEST TO EXIT SENSOR. REFER TO THE CONTROLLED SECURITY SCHEME SCHEDULE ON 1-T-1002 FOR DOORS THAT REQUIRE THIS ROUGH-IN.



1. REFER TO TELECOM ROOM REFERENCES SCHEDULE ON COVERPAGE FOR TELECOMMUNICATIONS ROOM NUMBER AND LOCATION INFORMATION.
2. INCLUDES HORIZONTAL AND VERTICAL CONDUIT SLEEVES FOR TECHNOLOGY CABLING.
3. TELECOMMUNICATIONS BONDING BACKBONE (TBB) COVER TO 21-T-1-401 FOR TECHNOLOGY BONDING RISER DIAGRAM.
4. BONDING CONDUCTOR FOR TELECOMMUNICATIONS (BCT), TO ELECTRICAL ENTRANCE INTERSYSTEM BONDING TERMINATION, RE TO 21-T-401 FOR TECHNOLOGY BONDING RISER DIAGRAM FOR CONTINUATION AND ADDITIONAL INFORMATION AND REQUIREMENT.
5. ELECTRICAL DIRECTION.
6. PROVIDE SC-GND-2 RACK MOUNT TELECOMMUNICATIONS BONDING BUSBAR AT EACH EQUIPMENT RACK.



2 ACCESS CONTROL RISER DIAGRAM

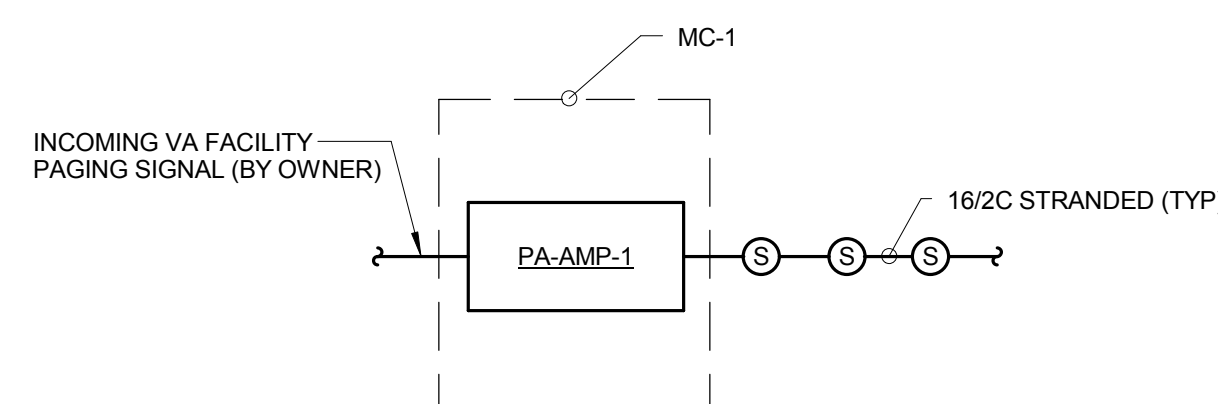
NO SCALE

NOTES:

1. THIS DIAGRAM IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL DEVICE QUANTITIES OR LOCATIONS. ALL DEVICES SHOWN ARE TYPICAL AND MAY NOT REFLECT EVERY WIRE OR CONNECTION THAT MUST BE MADE. WIRING SHOWN ON THIS DIAGRAM REFLECTS THE REQUIREMENTS FOR THE BASIS OF DESIGN MANUFACTURER. ANY CHANGES REQUIRED DUE TO THE T.C.'S SELECTION OF AN ALTERNATE MANUFACTURER, INCLUDING ANY POWER REQUIRED FOR FIELD LOCATED SECURITY CONTROLLERS, SHALL BE INCLUDED IN THE T.C.'S BID.

KEYNOTES:

1. REFER TO SPECIFICATIONS FOR CABLE TYPE
2. CATEGORY 6 RJ-45 TO RJ-45 PATCH CABLE.

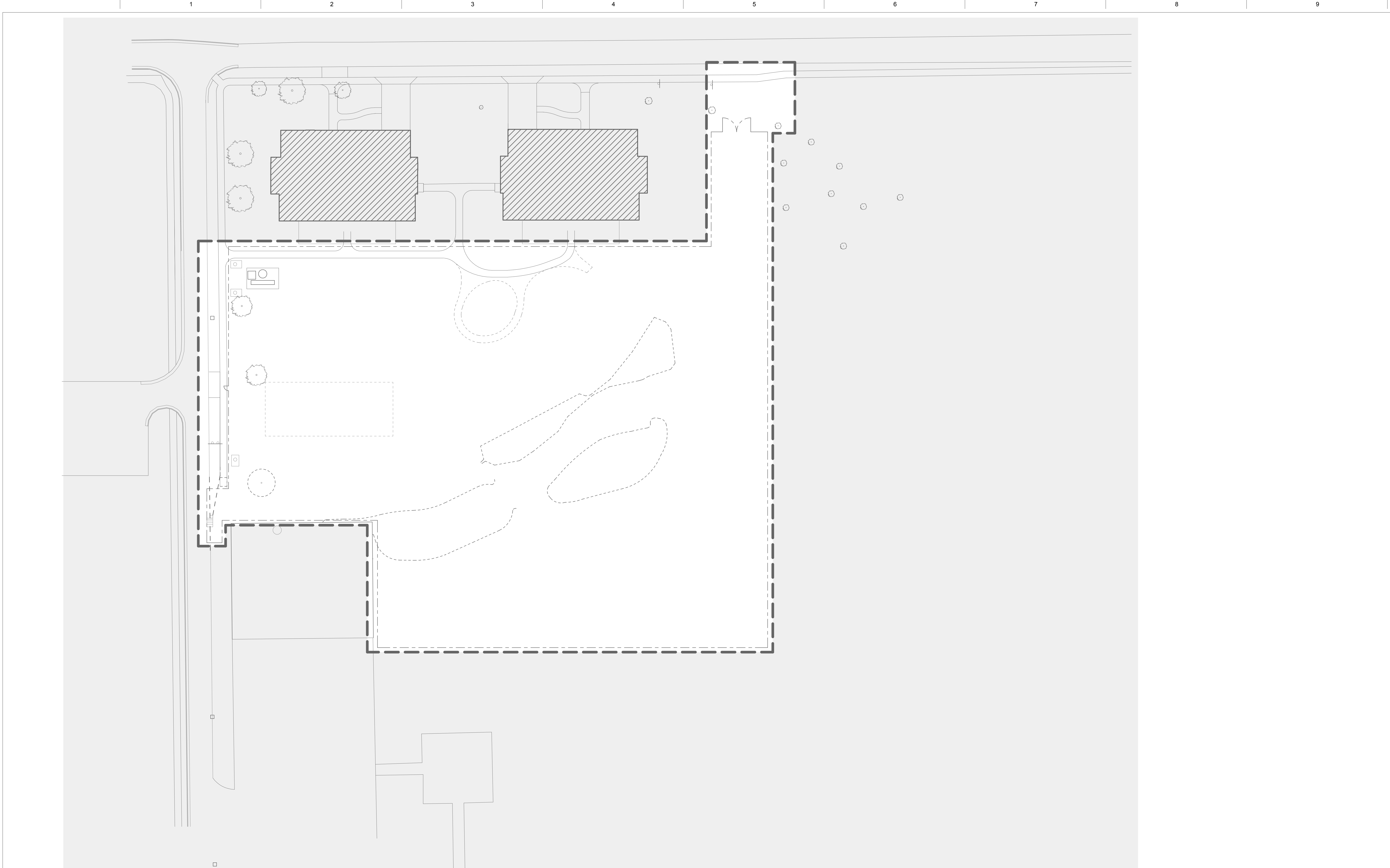


5 PAGING SYSTEM RISER DIAGRAM

NO SCALE

NOTES:

1. REFER TO 1-T-002 FOR GENERAL TECHNOLOGY EQUIPMENT SCHEDULE



Construction Documents

Revisions:

Date

0

4

8

16

ARUN K. GARG

062-053593

REGISTERED PROFESSIONAL ENGINEER

OF ILLINOIS

EXPIRATION DATE 11/30/2017

CONSULTANTS:

O'BrienEngineering, Inc.

Hydraulics - Hydrology - Civil Engineering

KJWW

ENGINEERING CONSULTANTS

Experience you can build on.™

H2B INC.

Texas Firm Registration No. 8856

1225 N Loop W, Suite 800

HOUSTON, TX 77008

713.864.2900

ARCHITECT/ENGINEERS:

COX DESIGN ASSOCIATES

ARCHITECTURE PLANNING INTERIORS

Austin 5121 Bee Caves Road, Suite 203 Austin, Texas 78746 T:312 - 327 - 4149 F:312 - 327 - 7679 bcox@coxdesignassociates.com

Chicago 820 Davis St., Suite 432 Evanston, IL 60201 T:312 - 454 - 9434 F:312 - 454 - 9439 bcox@coxdesignassociates.com

Approved: Chief of MH

Date:

Approved: Director

Date:

Approved: Chief of FMS

Date:

Approved: VA Energy Engineer

Date:

Drawing Title

TECHNOLOGY SITE DEMOLITION PLAN

Location

TOMAH VAMC

500 E. VETERANS STREET

TOMAH, WI. 54660

Project Name

VA Tomah CLC Homes

Building Number

411 & 412

Checked

RHC

Drawn

MAG

Project Number

676-324

Date

10/02/2015

Drawing Number

1-TD-100

Dwg.

Office of Construction and Facilities Management

VA FORM 08-6231