

# Request for Bids No. 314001 Buildings C & D Neighborhoods Remodel

# Badger Prairie Health Care Center

1100 E. Verona Ave. Verona, WI 53593



## **PLUNKETT RAYSICH** ARCHITECTS, LLP

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### Sheet Index

### General

Title Sheet

### Landscape

Landscape Patio Plan (Building D) Landscape Patio Plan (Building C)

Landscape Details

### Architectural

Overall Building Plan Overall Demo Plan (Buildings C & D) Overall Plan (Buildings C & D)

Egress Door Plan (Building D)
Architectural Patio Plan (Building D)

Egress Door Plan (Building C)
Architectural Patio Plan (Building C)

Ornamental Fence Detail 400 Exterior Elevations (Demolition & New)

Wall Sections (Demolition & New)

Door Schedule, Frame & Door Type Elevations

### Electrical

Coversheet - Electrical

Electrical Symbols List Site Plan - Electrical

Partial First Floor Plan - Electrical Partial First Floor Plan - Electrical

Partial First Floor Plan - Electrical

Partial First Floor Plan - Electrical Patio Lighting Plan (Building D)

Patio Lighting Plan (Building C)

### Technology

Coversheet - Technology Suggested Matrix of Scope Responsibility - Technology

General Technology Equipment Schedule General Technology Equipment Schedule

T050

Site Plan - Technology Partial First Floor Plan - Technology

Partial First Floor Plan - Technology Partial First Floor Plan - Technology

Partial First Floor Plan - Technology

Access Control Riser Diagram - Technology Typical Technology Bonding Flow Diagram - Technology

Access Control Schedule - Technology Door Rough-In and Wiring Diagram - Technology T300

ADA Guidelines for All Configurations - Technology

### **Project Information**

Date: September 11, 2014 PRA Project Number: 120341-02 Dane County Bid Number: 314001

**Construction Documents** 

### Applicable Codes and Zoning

Wisconsin Enrolled Commercial Building Code 2014 Occupancy Group I-2 Skilled Nursing Facilities

Zoning: Town of Verona ordinances

### Type of Construction

**ADA Access Route** 

Existing Facility currently accessible

Alteration (Level 1)

Type of construction, Type V-A Construction Automatic Sprinkler System NFPA 13 (IBC 903)

Fire Alarm System including smoke detectors (IBC 907 & NFPA 72)

### Occupant Load

Exiting

Existing Aggregate Width to remain the same

### Parking Requirements

Remains the same

Remains the same

### **Project Location**



### **Project Team**

### Owner

Dane Co. Dept. of Public Works

608-266-4018

Contact: Scott Carlson

### Architect

Plunkett Raysich Architects, LLC Contact: Steven Kieckhafer

608-240-9900

### Landscape Architect

LJ Geer

608-862-3564

Contact: Lisa Geer

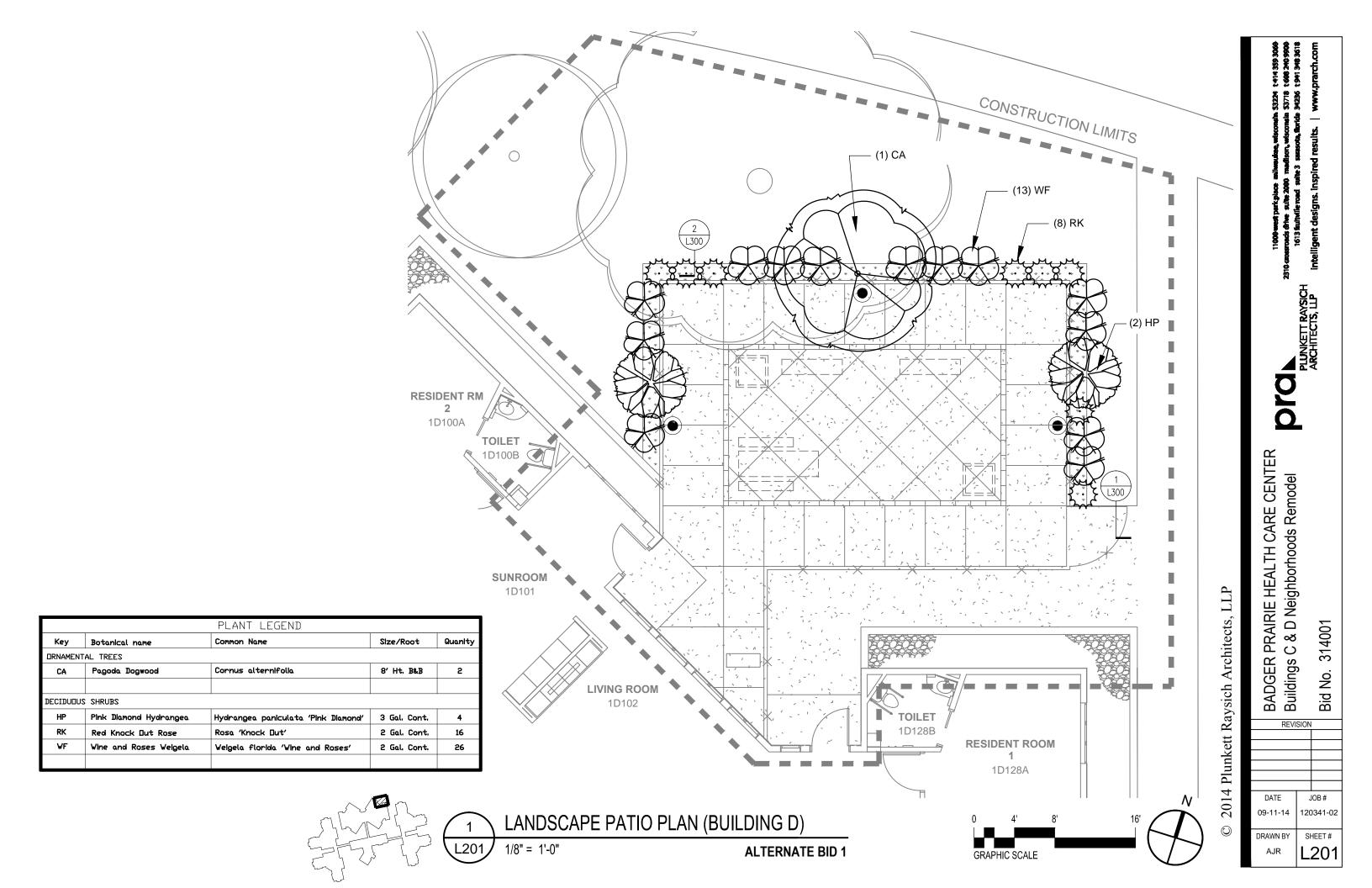
### Electrical/Technology Consultant

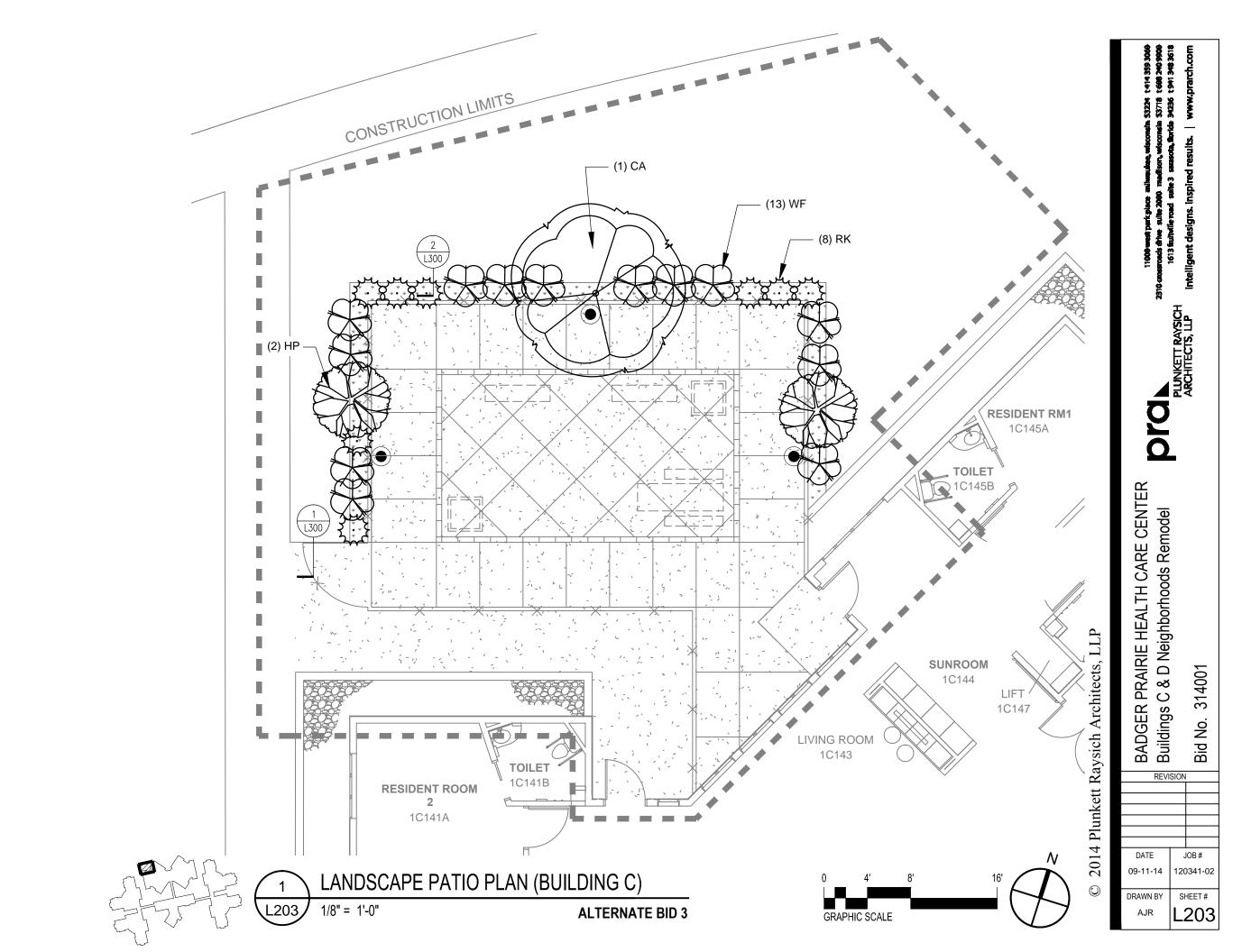
**KJWW** 

608-223-9600

Contact: Chris Franczek

Title Sheet



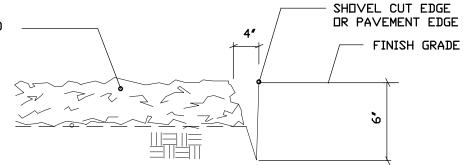


1 CONCRETE WALKWAY

L300 SECTION

NTS

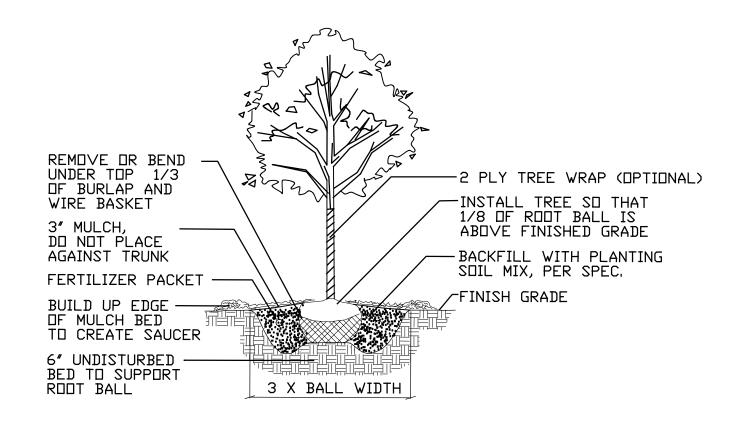
DOUBLE SHREDDED HARDWOOD BARK MULCH 3' DEPTH OVER GRANULAR PREEMERGENT SPREAD ON SOIL.



2 BARK MULCH/EDGING DETAIL

L300 PLAN

NTS



3 B&B TREE PLANTING DETAIL

NTS

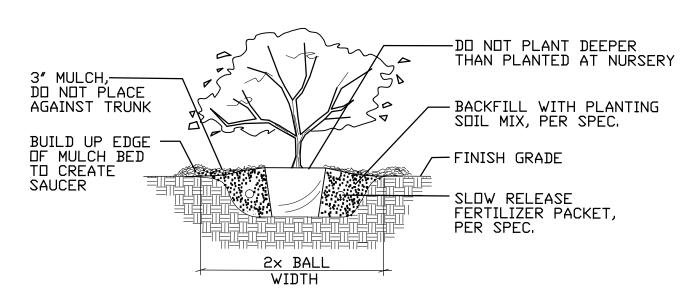


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Bid No. 314001



1 POTTED / CONTAINER PLANTING DETAIL
NTS

2 SHRUB PLANTING DETAIL
NTS

2× BALL WIDTH

3" GROUND OR SHREDDED

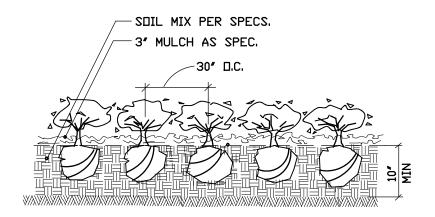
REMOVE OR BEND UNDER

3" COMPACTED OR ———— UNDISTURBED SETTING BED

TOP 1/3 OF BURLAP

BARK MULCH

3" SAUCER



3 GROUNDCOVER PLANTING DETAIL

NTS



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Plunkett ]

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SHEET # **L301** 

WEED BARRIER FABRIC

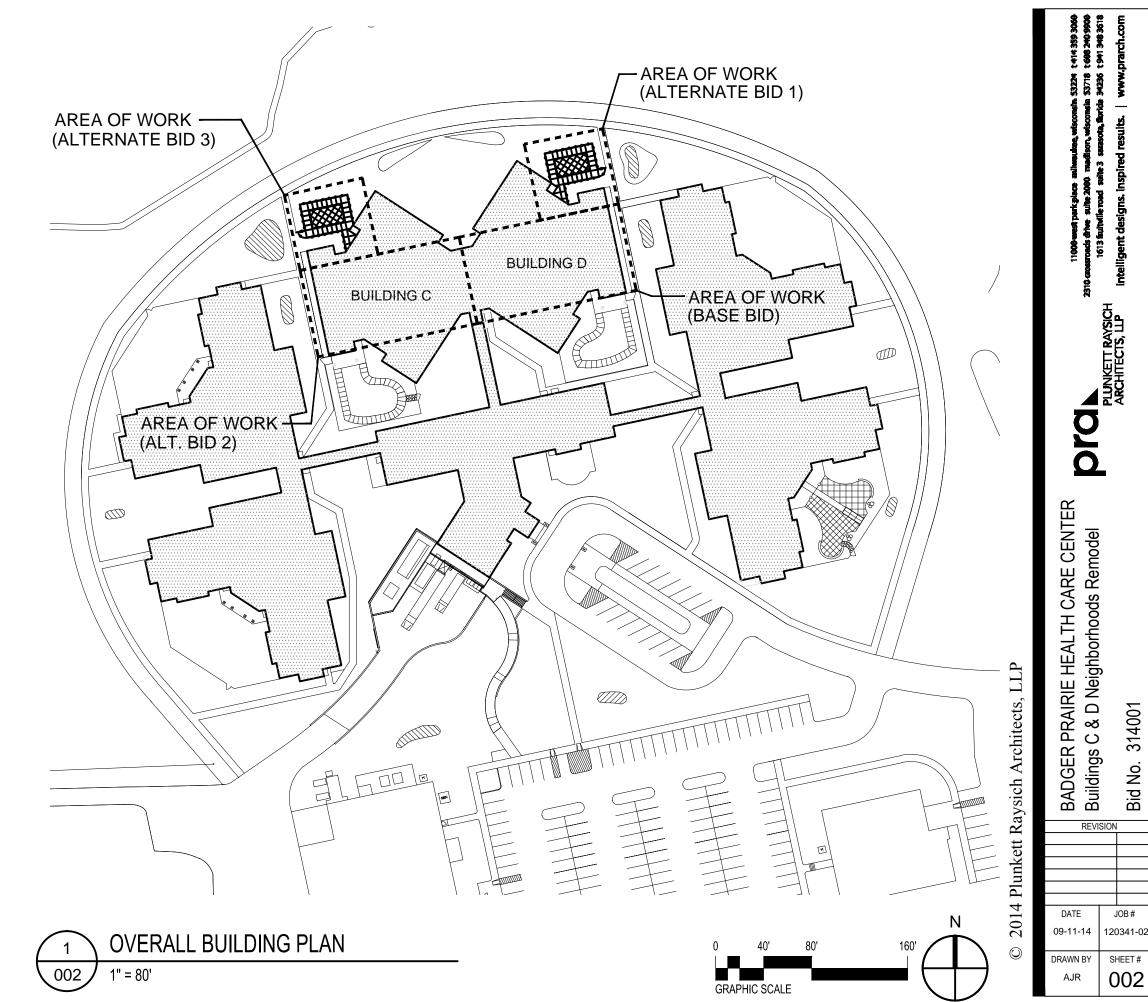
BACKFILL WITH

PLANTING SOIL

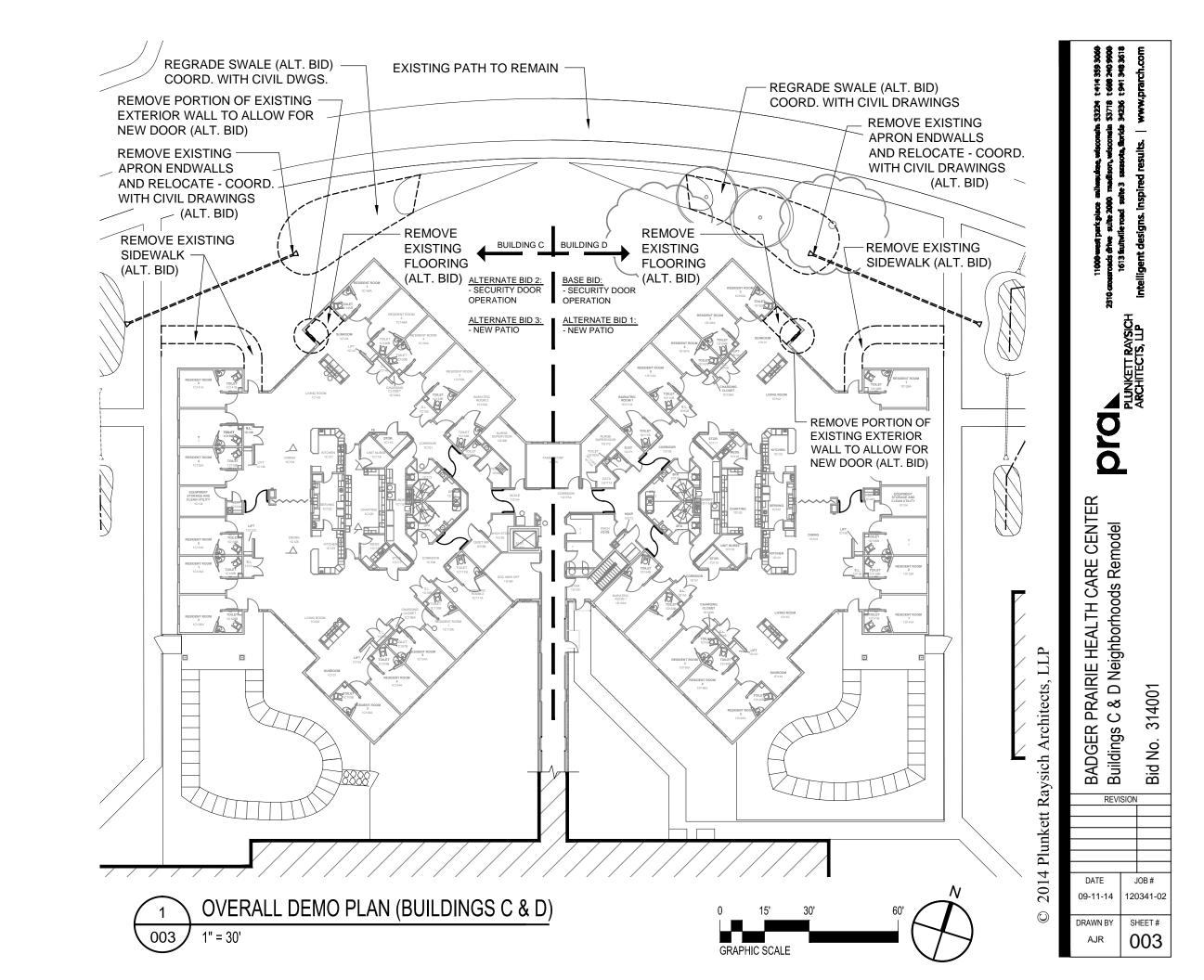
FINISH GRADE

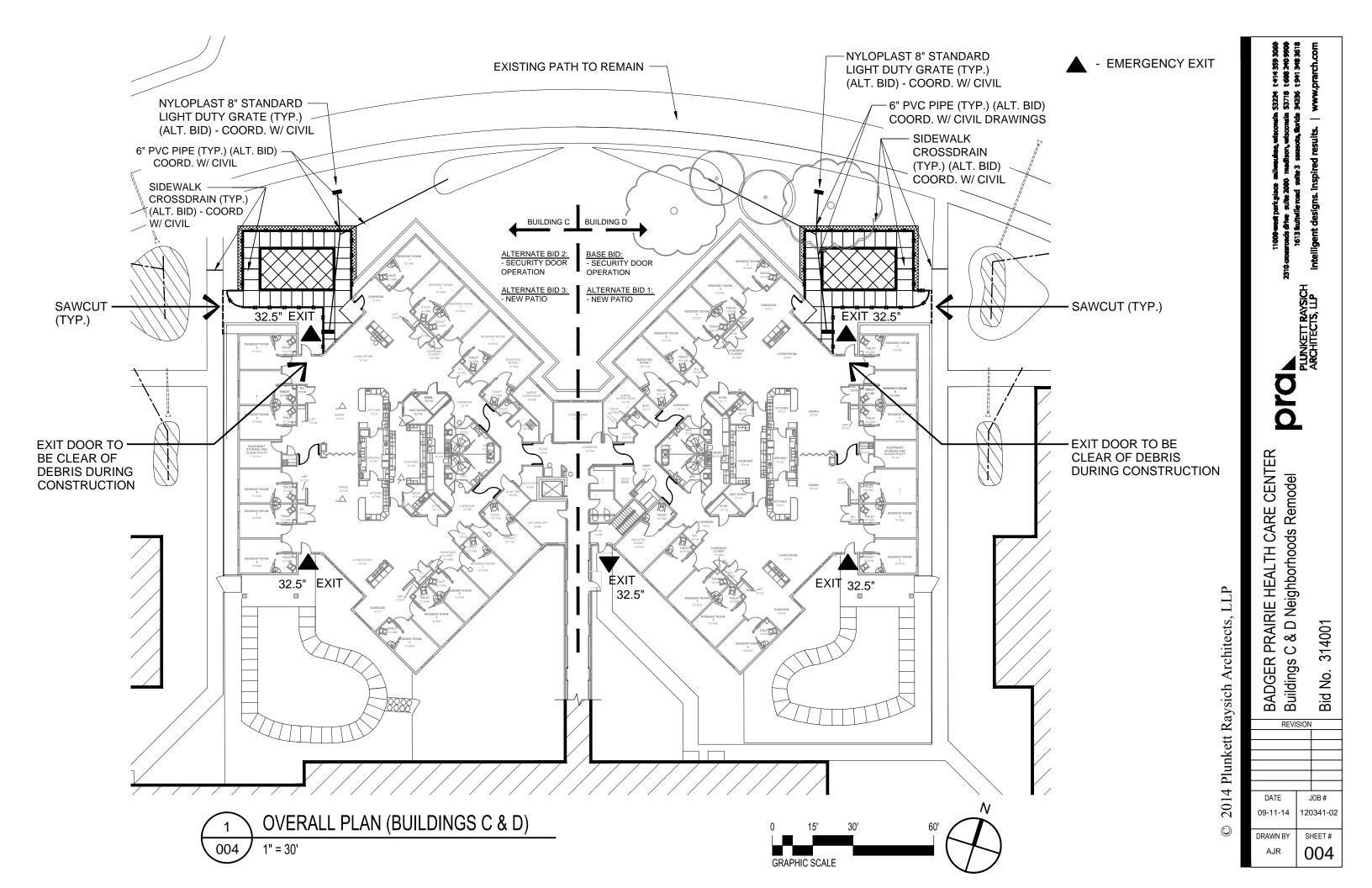
-SLOW RELEASE FERTILIZER

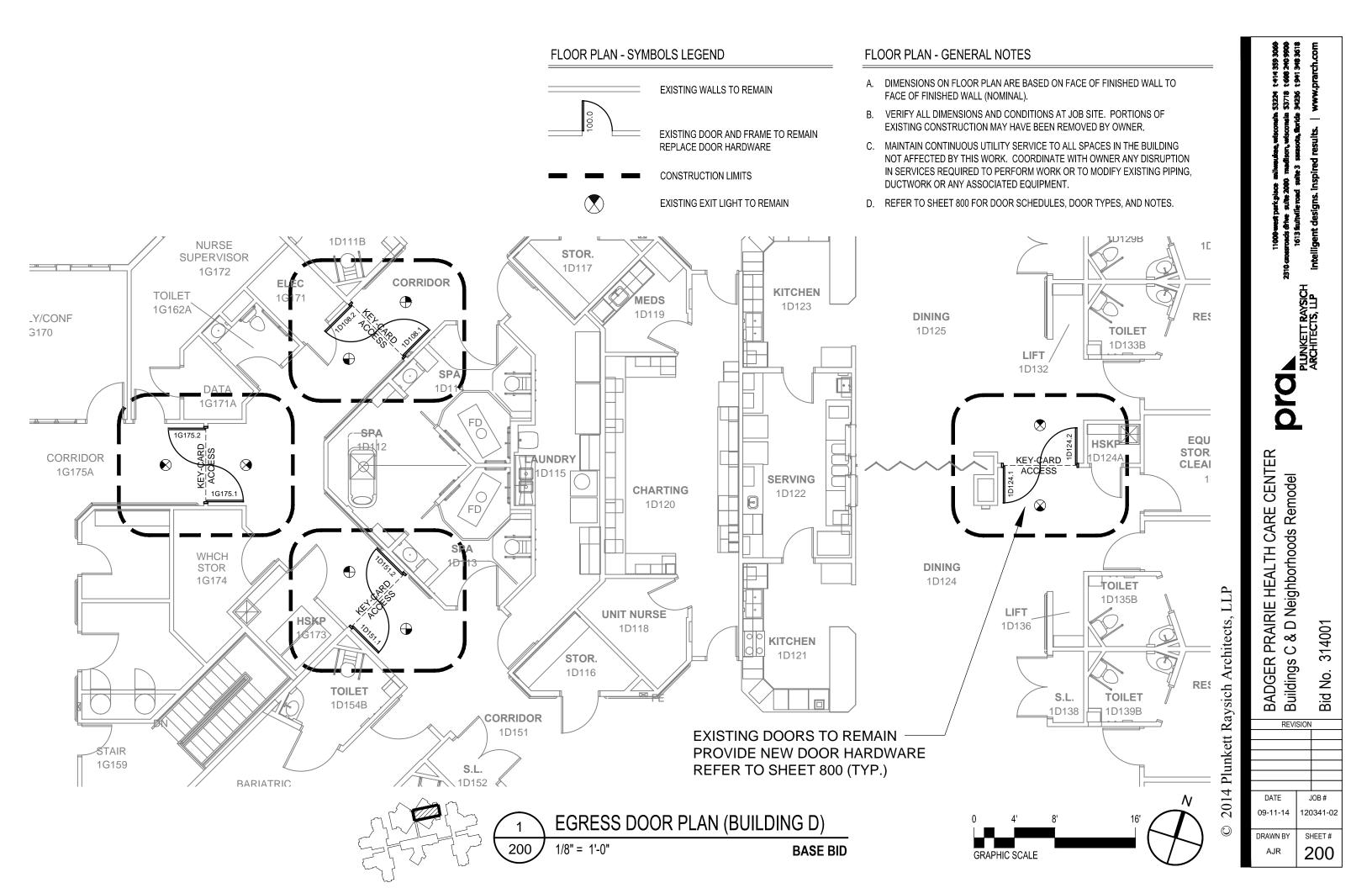
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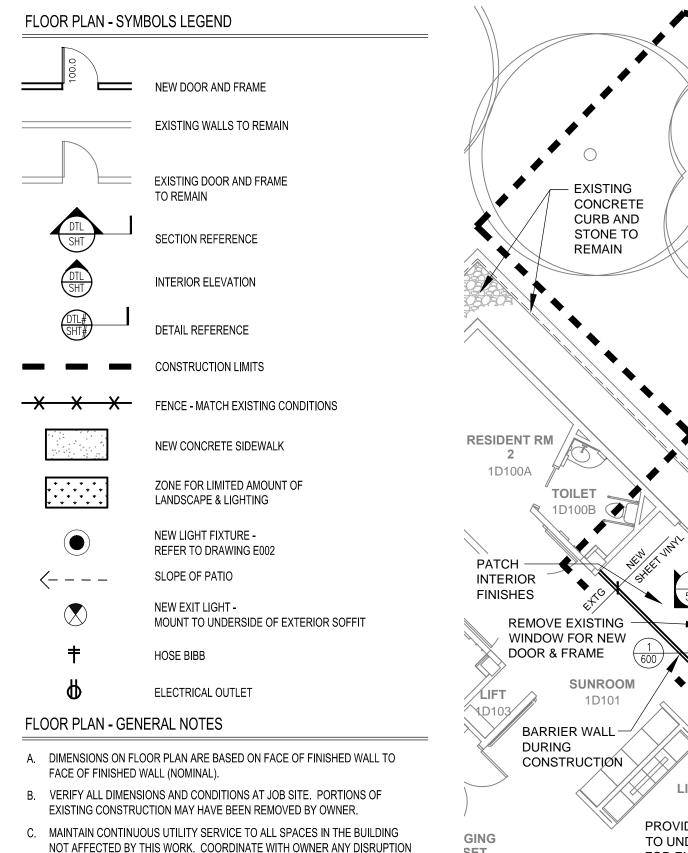


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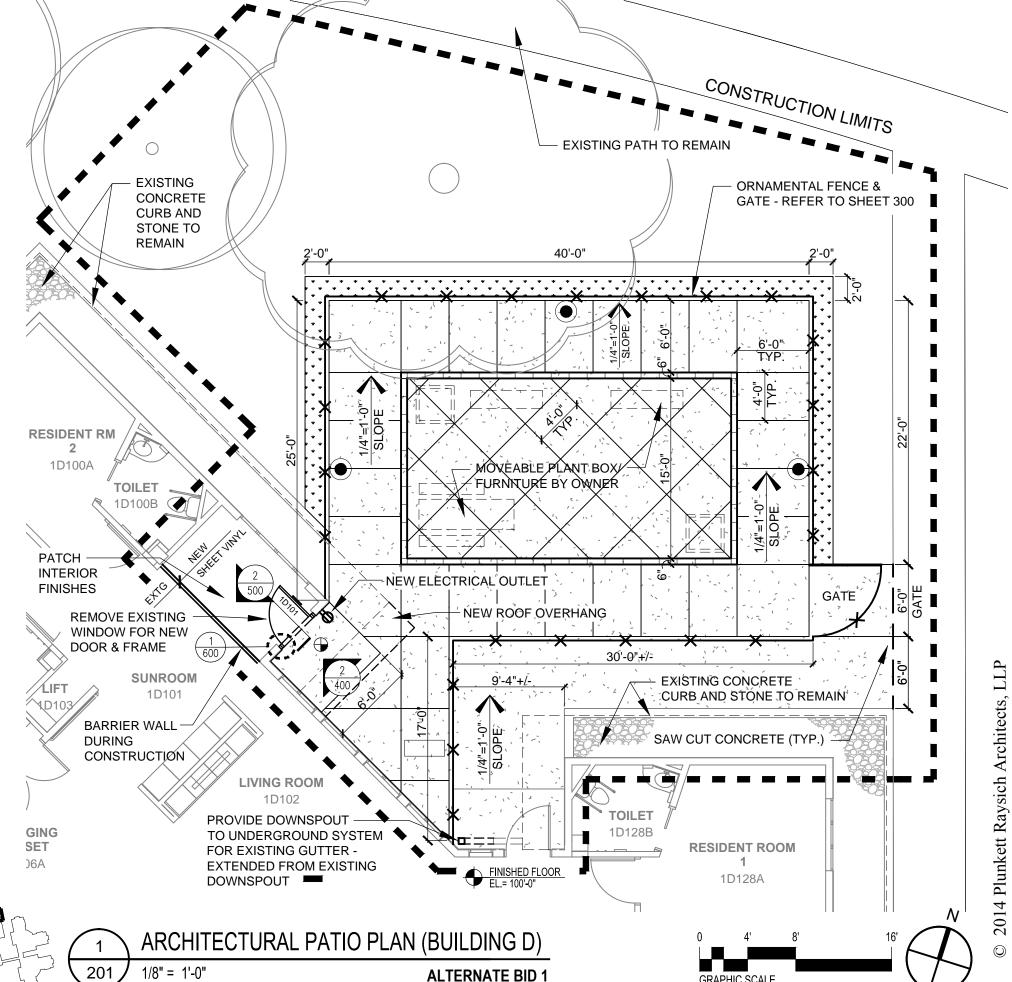




IN SERVICES REQUIRED TO PERFORM WORK OR TO MODIFY EXISTING PIPING.

REFER TO SHEET 800 FOR DOOR SCHEDULES, DOOR TYPES, AND NOTES.

DUCTWORK OR ANY ASSOCIATED EQUIPMENT.



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Bid

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201

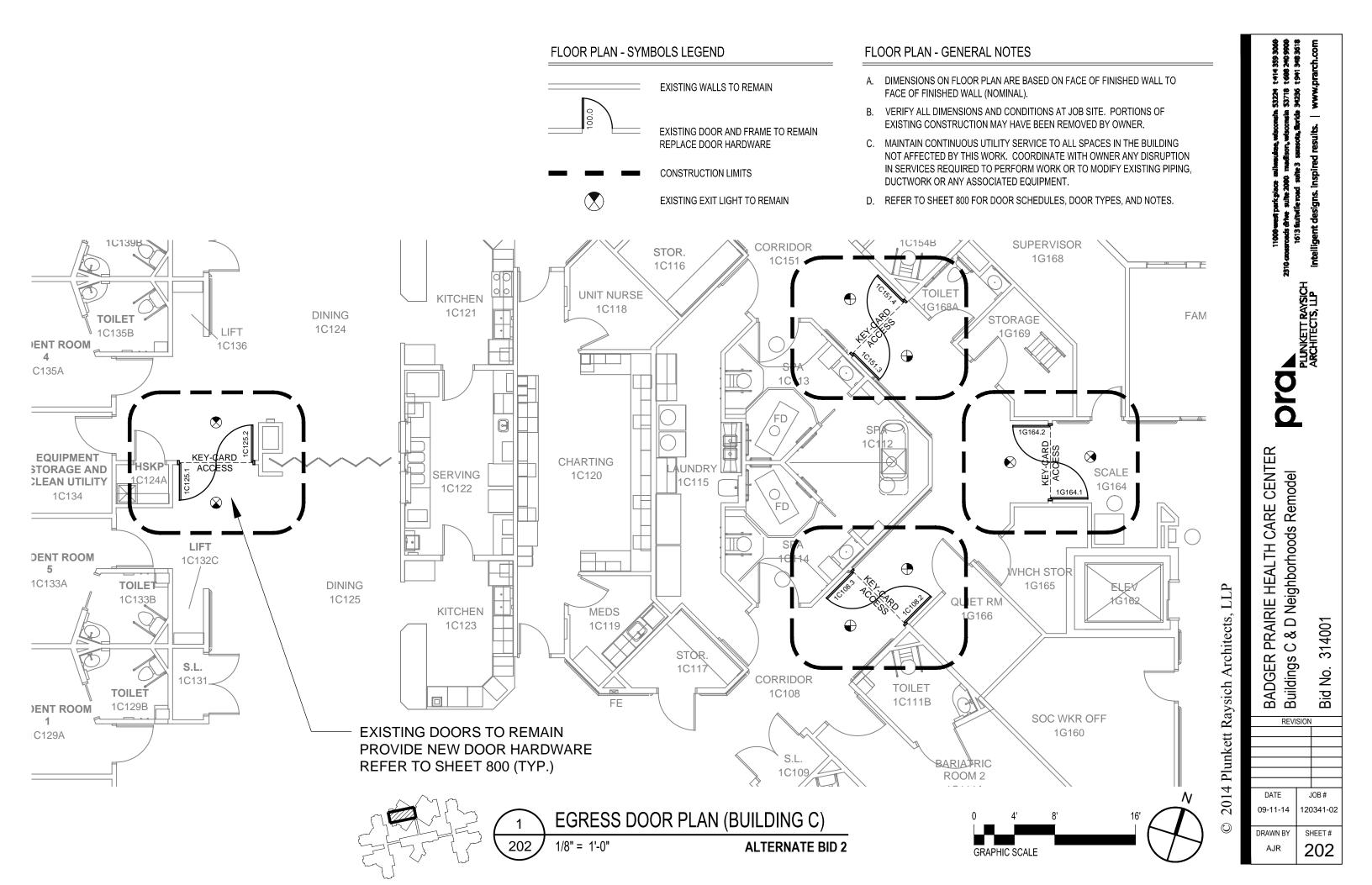
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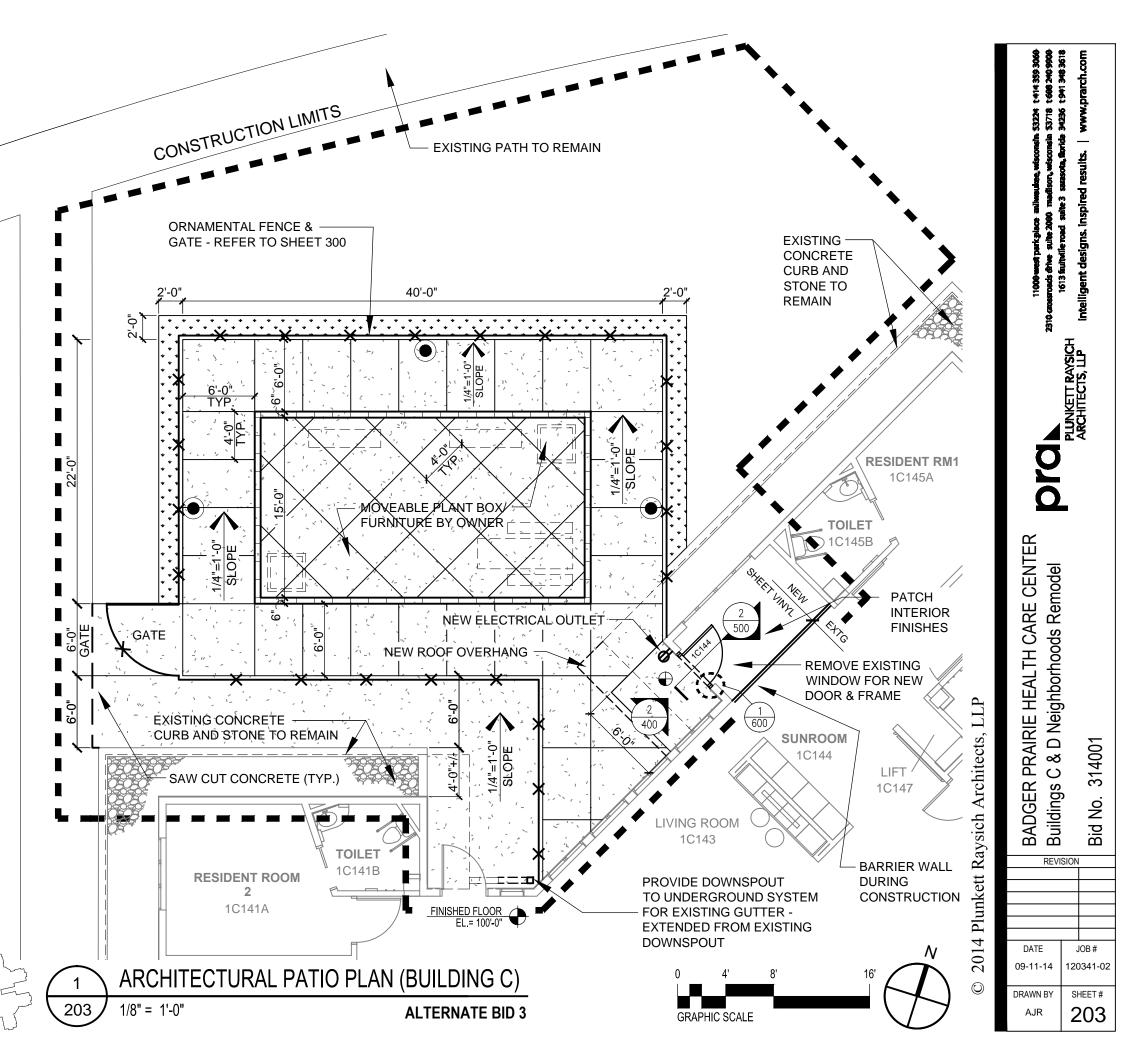
GRAPHIC SCALE



# FLOOR PLAN - SYMBOLS LEGEND NEW DOOR AND FRAME **EXISTING WALLS TO REMAIN EXISTING DOOR AND FRAME** TO REMAIN SECTION REFERENCE INTERIOR ELEVATION **DETAIL REFERENCE** CONSTRUCTION LIMITS FENCE - MATCH EXISTING CONDITIONS NEW CONCRETE SIDEWALK ZONE FOR LIMITED AMOUNT OF LANDSCAPE & LIGHTING **NEW LIGHT FIXTURE -REFER TO DRAWING E002** SLOPE OF PATIO NEW EXIT LIGHT -MOUNT TO UNDERSIDE OF EXTERIOR SOFFIT HOSE BIBB **ELECTRICAL OUTLET**

### FLOOR PLAN - GENERAL NOTES

- A. DIMENSIONS ON FLOOR PLAN ARE BASED ON FACE OF FINISHED WALL TO FACE OF FINISHED WALL (NOMINAL).
- B. VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE. PORTIONS OF EXISTING CONSTRUCTION MAY HAVE BEEN REMOVED BY OWNER.
- C. MAINTAIN CONTINUOUS UTILITY SERVICE TO ALL SPACES IN THE BUILDING NOT AFFECTED BY THIS WORK. COORDINATE WITH OWNER ANY DISRUPTION IN SERVICES REQUIRED TO PERFORM WORK OR TO MODIFY EXISTING PIPING, DUCTWORK OR ANY ASSOCIATED EQUIPMENT.
- D. REFER TO SHEET 800 FOR DOOR SCHEDULES, DOOR TYPES, AND NOTES.



### ORNAMENTAL FENCE NOTES

- 1. PROVIDE ORNAMENTAL FENCE AS SHOWN IN DETAILS, ON PLANS & IN SPECS, TO MATCH EXISTING ON SOUTH SIDE OF BUILDING.
- 2. SOME SECTION WIDTHS MAY VARY.
- 3. PROVIDE GATES WHERE SHOWN ON PLANS
  - SIZE GATES AS NOTED ON PLANS
  - PROVIDE KEY LOCK & HINGES AS NOTED IN SPECS
  - KEYED TO MATCH EXISTING SOUTH SIDE GATES
- 4. BUILDING D PATIO AS SHOWN IN DETAIL 1/201. (INSTALL FENCE SECTIONS FURNISHED BY OWNER, PROVIDE ADDITIONAL PIECE AS REQUIRED)
- 5. BUILDING C PATIO AS SHOWN IN DETAIL 1/203, VERTICAL PICKETS TO HAVE BENT TOP. (SEE EXISTING FENCING ON SOUTH SIDE OF BUILDING C)

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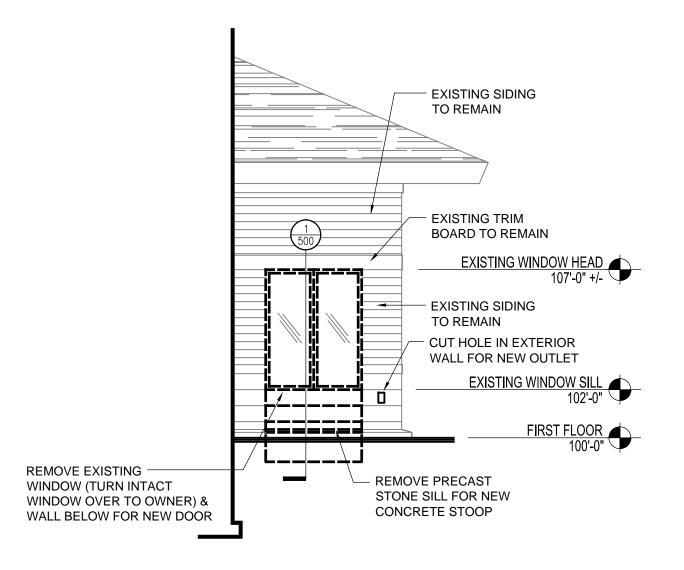
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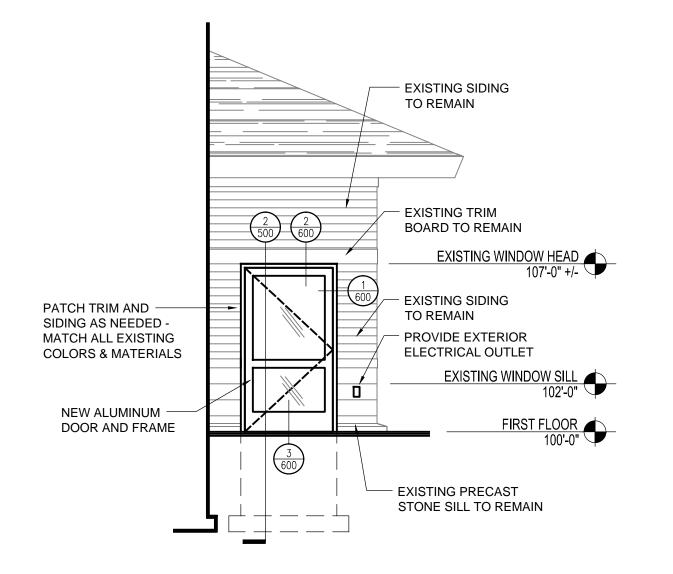
1 ORNAMENTAL FENCE DETAIL

300 1/2" = 1'-0"

### **GENERAL NOTES:**

1 - MIRROR ELEVATIONS AS PART OF ALTERNATE BID 3 (BLDG 'C')

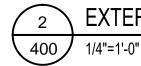




# EXTERIOR ELEVATION @ NEW DOOR LOCATION (DEMO)

1/4"=1'-0"

**BUILDING D - ALTERNATE BID 1 BUILDING C - ALTERNATE BID 3 (SIM.)** 



EXTERIOR ELEVATION @ NEW DOOR LOCATION

**BUILDING D - ALTERNATE BID 1 BUILDING C - ALTERNATE BID 3 (SIM.)** 





**EXTERIOR ELEVATIONS (DEMOLITION & NEW)** 

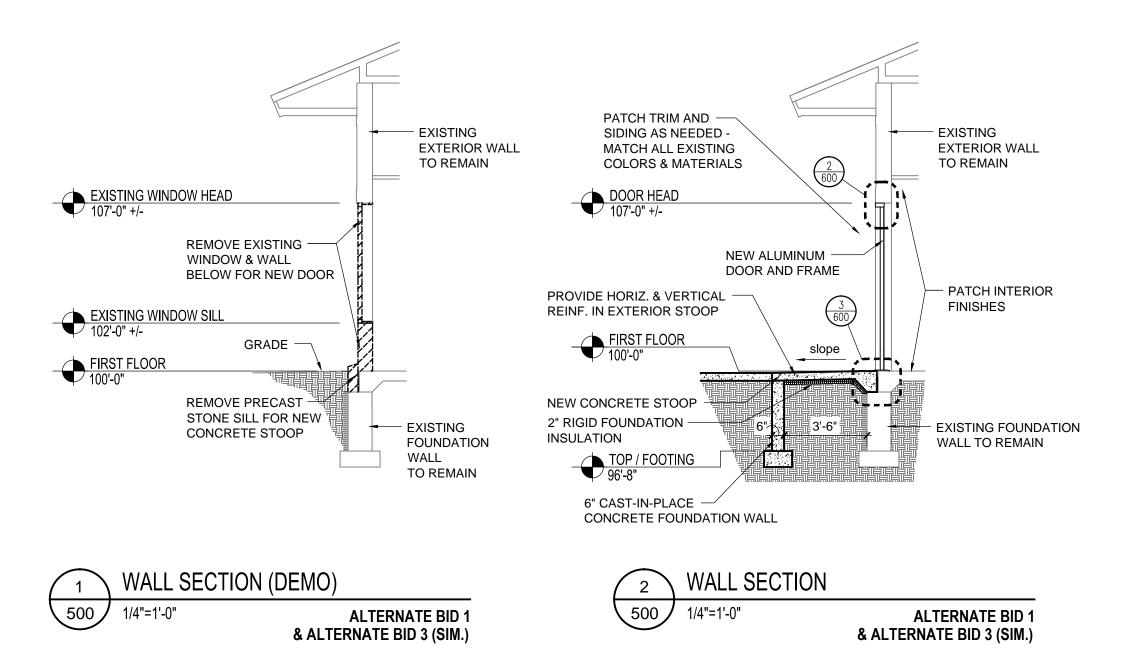
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**GRAPHIC SCALE** 



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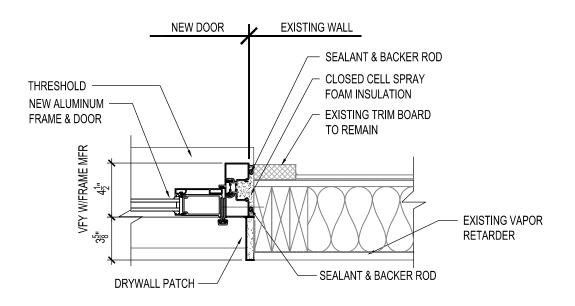
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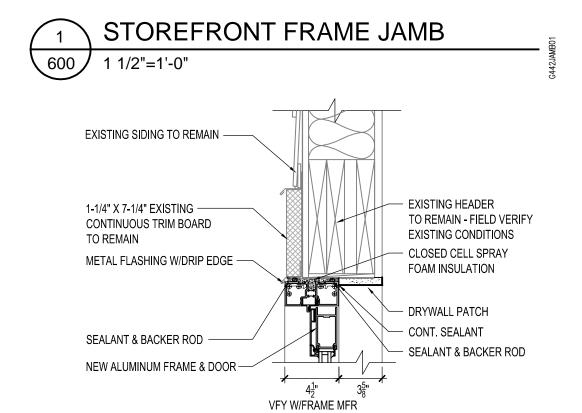
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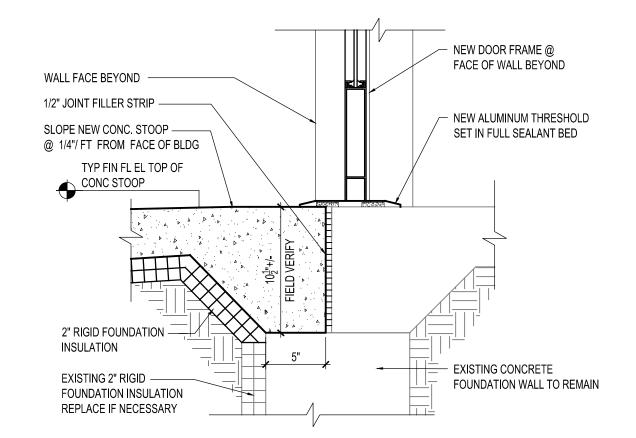
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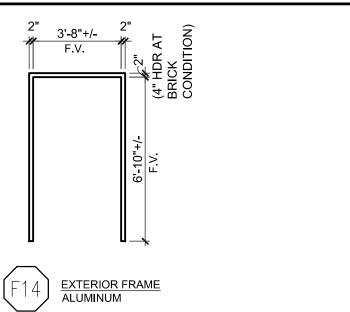
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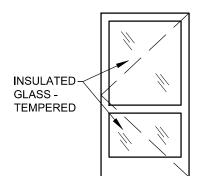
Project:	Badg	er Prairie Health Care Cent	er — Buildings C	ıildings C & D Neighborhoods Remodel			del		Project No.		120341-02	
DOOR	ROOM	ROOM NAME	· ·		DOOR				FRAME	Hdwre	Ass'y	NOTES
NO.	NO.		Size (W x H)	Туре	Mat'l	Finish	Glass	Mat'l	Finish	Group	Rating	
1C108.1	1C108	CORRIDOR	EXTG	_	_	_	_	_	_	HG-1	-	2, 5
1C108.2	1C108	CORRIDOR	EXTG	_	_	_	_	_	_	HG-1	_	2, 5
1C125.1	1C125	DINING	EXTG	_	_	_	_	_	_	HG-1	_	2, 5
1C125.2	1C125	DINING	EXTG	_	_	_	_	_	_	HG-1	_	2, 5
1C144	1C144	SUN ROOM	3-4 X 6-10	Е	ALUM	_	IGT	ALUM F14	ALUM	HG-2	_	1, 2, 6
1C151.1	1C151	CORRIDOR	EXTG	_	_	_	_	_	_	HG-1	_	2, 5
1C151.2	1C151	CORRIDOR	EXTG	_	_	_	_	_	_	HG-1	_	2, 5
1D101	1D101	SUN ROOM	3-4 X 6-10	Е	ALUM	_	IGT	ALUM F14	ALUM	HG-2	_	1, 2, 4
1D108.1	1D108	CORRIDOR	EXTG	_	_	_	_	_	_	HG-1	_	2, 3
1D108.2	1D108	CORRIDOR	EXTG	_	_	_	_	_	_	HG-1	_	2, 3
1D124.1	1D124	DINING	EXTG	_	_	_	_	_	_	HG-1	_	2, 3
1D124.2	1D124	DINING	EXTG	_	_	_	_	_	_	HG-1	_	2, 3
1D151.1	1D151	CORRIDOR	EXTG	_	_	_	_	_	_	HG-1	_	2, 3
1D151.2	1D151	CORRIDOR	EXTG	_	_	_	_	_	_	HG-1	_	2, 3
1G164.1	1G164	CORRIDOR	EXTG	_	_	_	_	_	_	HG-1	_	2, 5
1G164.2	1G164	CORRIDOR	EXTG	_	_	_	_	_	_	HG-1	_	2, 5
1G175.1	1G175	CORRIDOR	EXTG	_	_	_	_	_	_	HG-1	_	2, 3
1G175.2	1G175	CORRIDOR	EXTG	_	_	_	_	_	_	HG-1	_	2, 3

### NOTES:

DOOR SCHEDULE

- FIELD VERIFY EXACT DIMENSIONS OF OPENING FOR NEW DOOR. SIZE PROVIDED IS APPROXIMATE
- NEW HARDWARE TO EXISTING DOOR. SEE DOOR HARDWARE SPECIFICATION SECTION 08 71 00
- ALTERNATE NO. 1
- ALTERNATE NO. 2
- ALTERNATE NO. 3





 $\frac{\mathsf{DOOR}\;\mathsf{TYPE}}{\mathsf{ALUMINUM}}$ 

FRAME TYPE ELEVATION 1/4" = 1'-0" 800

DOOR TYPE ELEVATION

1/4" = 1'-0"

800

DOOR SCHEDULE, FRAME & DOOR TYPE ELEVATIONS

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120341-02

SHEET#

800

# **ELECTRICAL DEMOLITION NOTES:**

- 1. THE ELECTRICAL DRAWINGS INDICATE EXISTING ELECTRICAL ITEMS TO BE REMOVED. THE DRAWINGS ARE INTENDED TO INDICATE THE SCOPE OF WORK REQUIRED AND DO NOT INDICATE EVERY BOX, CONDUIT, OR WIRE THAT MUST BE REMOVED. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID AND VERIFY EXISTING CONDITIONS.
- 2. ELECTRICAL ITEMS (i.e., RECEPTACLES, SWITCHES, ETC.) REMOVED AND NOT RELOCATED REMAIN THE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF MATERIAL THE OWNER DOES NOT WANT TO REUSE OR RETAIN (i.e., FOR MAINTENANCE PURPOSES).
- 3. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE OWNER BEFORE TURNING OFF POWER TO CIRCUITS, FEEDERS, PANELS, ETC. COORDINATE ALL OUTAGES WITH OWNER. CONDUIT CONCEALED IN WALL CONSTRUCTION MAY BE ABANDONED IN PLACE IF NOT AFFECTED BY OTHER CONSTRUCTION.
- WHERE SWITCHES, RECEPTACLES, ETC., ARE BEING REMOVED ALL ASSOCIATED CONDUIT AND WIRE BACK TO THE PANELBOARD OR FEEDER JUNCTION BOX SERVING THE DEVICE SHALL ALSO BE REMOVED, UNLESS THE CONDUIT CAN BE REUSED FOR NEW CONDUCTORS.
- THIS CONTRACTOR SHALL COORDINATE ALL HIS WORK WITH OTHER CONTRACTORS AT THE JOB SITE BEFORE REMOVING EXISTING ELECTRICAL AND INSTALLING NEW ITEMS.
- 6. EXISTING CONDUIT IN GOOD CONDITION, MAY BE REUSED IN PLACE. RELOCATED EXISTING CONDUIT SHALL NOT BE ALLOWED. BONDING CONDUCTORS SHALL BE INSTALLED IN ALL REUSED CONDUIT TO ASSURE PROPER GROUND PATH.
- 7. EQUIPMENT REMOVAL IN CERTAIN LOCATIONS MAY REQUIRE THE INSTALLATION OF A JUNCTION BOX TO RECONNECT CIRCUITS THAT REMAIN IN OPERATION. EXTEND CONDUIT AND WIRING AS REQUIRED TO MAINTAIN POWER TO REMAINING EQUIPMENT.
- 8. CONTRACTOR SHALL REMOVE AND INSTALL ALL CEILING TILES AS REQUIRED FOR THE EXECUTION OF ELECTRICAL WORK THAT IS OUTSIDE THE CONTRACT LIMITS OF CONSTRUCTION. CONTRACTOR SHALL REPLACE CEILING TILES WITH IDENTICAL MATERIAL WHERE DAMAGED BY THIS CONTRACTOR.

# **ELECTRICAL INSTALLATION NOTES:**

- 1. THE COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE ADAAG (AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES).
- CIRCUIT NUMBERS ARE SHOWN FOR CIRCUIT IDENTIFICATION. CIRCUITING SHALL AGREE WITH NUMBERING ON THE PANEL PROVIDED. COMMON NEUTRALS MAY NOT BE USED FOR BRANCH CIRCUITS. BALANCE THE LOAD ON PANEL AS EVENLY AS POSSIBLE BETWEEN EACH PHASE.
- 3. A #12 MINIMUM GREEN INSULATED GROUND CONDUCTOR SHALL BE INSTALLED WITH CIRCUIT CONDUCTORS TO ALL BRANCH CIRCUITS.
- 4. CONCEAL ALL CONDUIT IN WALLS, PARTITIONS, ABOVE CEILING, AND IN FLOOR SLAB, ETC. UNLESS OTHERWISE INDICATED ON THE PLANS OR IN THE SPECIFICATIONS. CONDUIT IN MECHANICAL ROOMS, AND STORAGE ROOMS WITHOUT CEILINGS MAY BE EXPOSED ON BUILDING STRUCTURE.
- 5. BOXES LOCATED ON OPPOSITE SIDES OF NON-RATED WALLS SHALL BE OFFSET A MINIMUM OF 6"
  HORIZONTALLY. BOXES ON OPPOSITE SIDES OF FIRE RATED WALLS SHALL BE OFFSET A MINIMUM OF 24"
  HORIZONTALLY. "THRU-THE-WALL" BOXES SHALL NOT BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL OF
  THE ARCHITECT/ENGINEER.
- ELECTRICAL AND TELECOMMUNICATIONS EQUIPMENT SHALL BE MOUNTED TO AVOID IMPEDANCE OF OPERATION OF AND/OR ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT.
- 7. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS REQUIRED IN WALLS. ALL OPENINGS SHALL BE REPAIRED TO MATCH EXISTING BY A QUALIFIED CONTRACTOR AT THE EXPENSE OF THIS CONTRACTOR. ALL CONDUITS THROUGH WALLS SHALL BE GROUTED OR SEALED INTO OPENINGS.
- 8. ALL MATERIALS USED TO SEAL PENETRATIONS OF FIRE RATED WALLS AND FLOORS SHALL BE TESTED AND CERTIFIED AS A SYSTEM PER ASTM E814 STANDARDS FOR FIRE TESTS OF THROUGH-PENETRATION FIRESTOPS.

# **GENERAL ELECTRICAL NOTES:**

INDICATES DETAIL NUMBER/SHEET NUMBER. "1/F100" INDICATES KEYED NOTE USED TO DESCRIBE ADDITIONAL INFORMATION OF WORK REQUIRED, SPECIFIC 2. (#) TO THE SHEET AND/OR DETAIL IT IS SHOWN WITH. 3. ALL ELECTRICAL CONDUCTORS SHALL BE COPPER INDICATES NUMBER OF WIRES IN CONDUIT -GROUND WIRE -NEUTRAL WIRE -PHASE WIRE ABBREVIATION KEY: **ELECTRICAL CONTRACTOR** E.C. TELECOMMUNICATIONS CONTRACTOR T.C. GENERAL CONTRACTOR G.C. AFF ABOVE FINISHED FLOOR CONDUIT С TYP **TYPICAL** MOUNTING HEIGHT FROM FINISHED FLOOR TO CENTERLINE LINE TYPE KEY: NEW WORK BY THIS CONTRACTOR (DARK SOLID LINE) \_\_ \_ \_ NEW WORK UNDERFLOOR OR UNDERGROUND BY THIS CONTRACTOR (DARK LONG DASHED LINE)

NEW WORK BY OTHERS AND/OR EXISTING TO REMAIN (LIGHT SOLID LINE)

EXISTING TO BE REMOVED BY THIS CONTRACTOR

(DARK SHORT DASHED LINE)





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# GENERAL ELECTRICAL EQUIPMENT SCHEDULE

THE SYMBOLS AND THE EQUIPMENT SCHEDULE ARE FOR THE CONVENIENCE OF THE CONTRACTOR. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF QUANTITIES AND SHALL FURNISH ALL MATERIAL REQUIRED, WHETHER SPECIFIED OR NOT, TO PRODUCE A SATISFACTORY WORKING SYSTEM.

CATALOG NUMBERS SHALL NOT BE CONSIDERED COMPLETE BUT ARE GIVEN ONLY TO AID THE CONTRACTOR IN THE SEARCH FOR MATERIAL. NO MATERIAL SHALL BE ORDERED BY MANUFACTURER AND CATALOG NUMBER ONLY. EACH CONTRACTOR SHALL FIRST READ THE COMPLETE DESCRIPTION OF THE MATERIAL ON THESE DRAWINGS AND SPECIFICATIONS. THE FIRST MANUFACTURER LISTED IS THE BASIS OF DESIGN. "STANDARD COLOR" INDICATES FACTORY FINISH AVAILABLE AT NO ADDITIONAL CHARGE.

ITEM NO.	SYMBOL	DESCRIPTION	APPROVED MANUFACTURERS
1	DEVICE COLOR	ALL SWITCH, RECEPTACLE, OUTLET, AND COVERPLATE COLORS SHALL MATCH EXISTING, UNLESS INDICATED OTHERWISE.	HUBBELL LEVITON PASS & SEYMOUR COOPER
2	COVER PLATES	ALL SWITCHES, RECEPTACLES, AND OUTLETS SHALL BE COMPLETE WITH UNBREAKABLE THERMOPLASTIC COVERPLATES IN FINISHED SPACES WHERE WALLS ARE FINISHED; #302 STAINLESS STEEL COVERPLATES IN UNFINISHED SPACES FOR FLUSH BOXES; AND GALVANIZED STEEL COVERPLATES IN UNFINISHED SPACES FOR SURFACE MOUNTED BOXES. WHERE SEVERAL DEVICES ARE GANGED TOGETHER, THE COVER PLATE SHALL BE OF THE GANGED STYLE FOR THE NUMBER OF DEVICES USED.	HUBBELL LEVITON PASS & SEYMOUR COOPER
3	AR	FIRE ALARM ADDRESSABLE RELAY CONSISTING OF AN ADDRESSABLE CONTROL MODULE AND SLAVE RELAY WITH CONTACTS SUITABLE FOR CONTROLLING THE DESIGNATED AUXILIARY LOAD, 24 VDC, 4-WIRE OPERATION. PROVIDE A SURFACE ENCLOSURE WHERE LOCATED ABOVE CEILING OR IN UNFINISHED SPACE. PROVIDE A FLUSH ENCLOSURE IN FINISHED SPACE.	TO BE COMPATIBLE WITH GAMEWELL FCI E3 SERIES FIRE ALARM SYSTEM
4	₫ <sub>w</sub>	RECEPTACLE, GROUND FAULT DUPLEX, WEATHER RESISTANT, WEATHERPROOF COVERPLATE, 125 VOLT, 20 AMP, 3 WIRE GROUNDING TYPE, N.E.M.A. 5-20R. TEST AND RESET BUTTONS IN IMPACT RESISTANT THERMOPLASTIC FACE, NEMA 3R RATED WHILE IN USE,CLEAR, NON-LOCKING, STANDARD DEPTH, VERTICAL MOUNT.	HUBBELL GFTR20/RW57300 LEVITON W7899-TR/5977-CL PASS & SEYMOUR 2095TRWR/WIUC10-C COOPER TWRVGF20/WIU-1

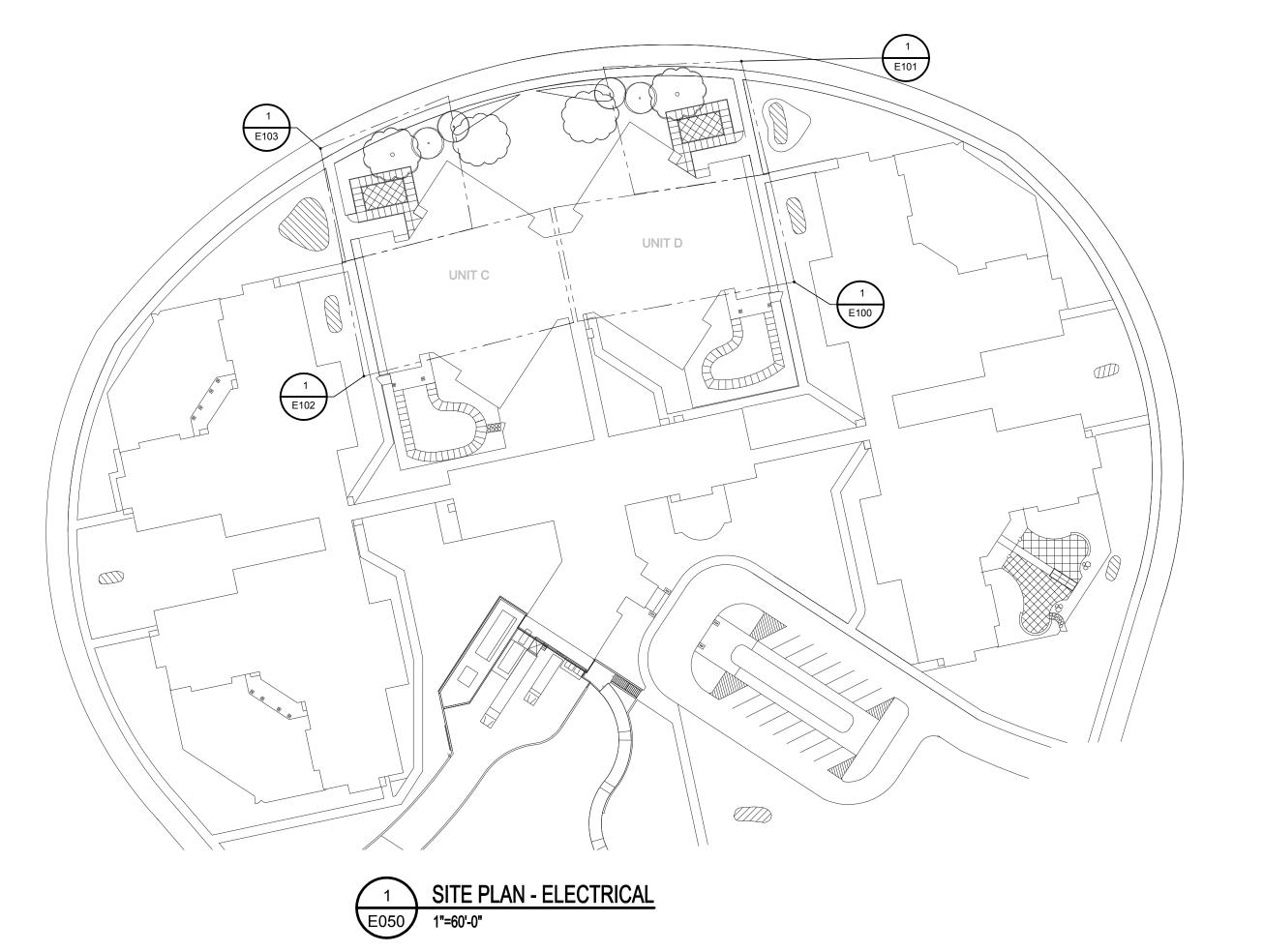




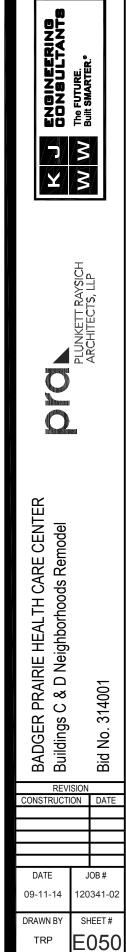


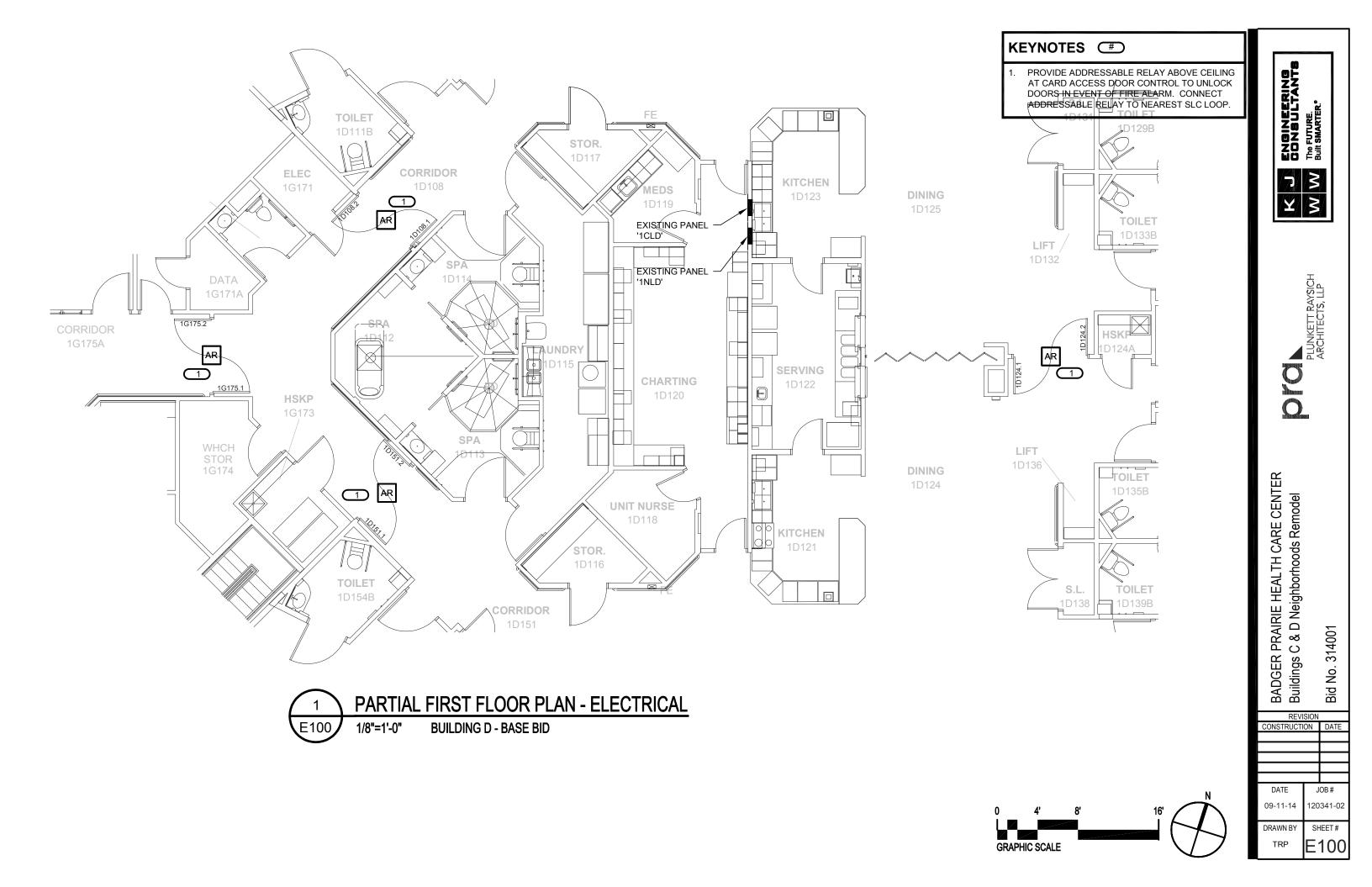
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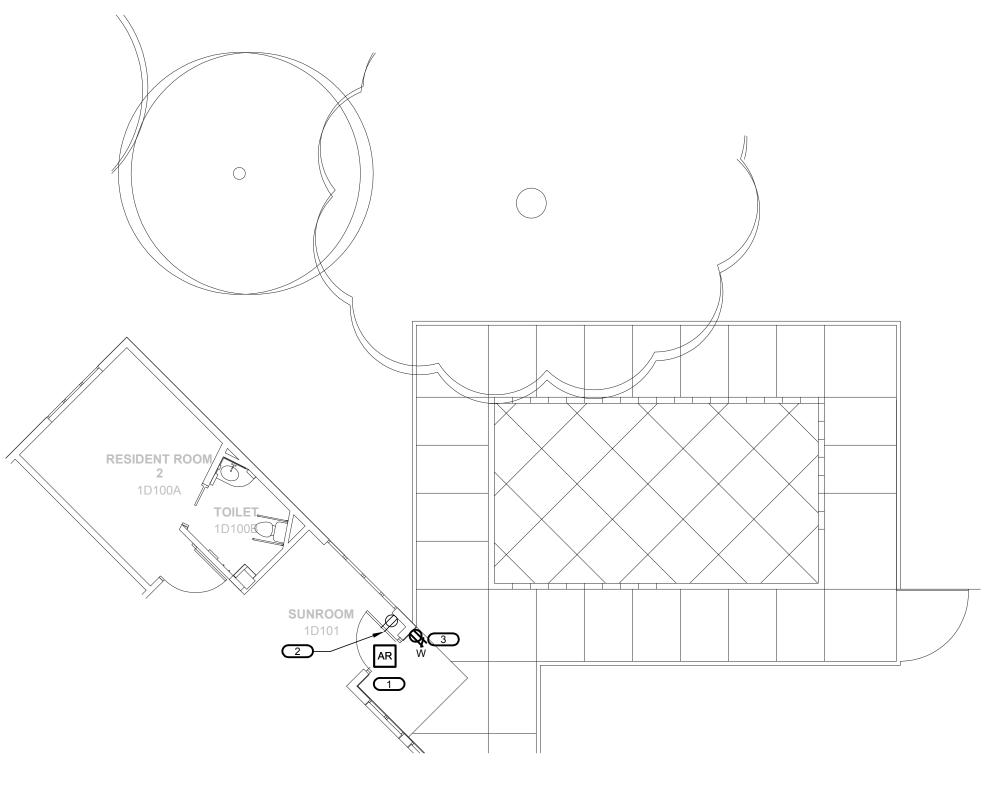
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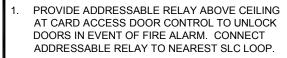


PARTIAL FIRST FLOOR PLAN - ELECTRICAL

1/8"=1'-0" **BUILDING D - ALTERNATE BID 1** 

### KEYNOTES #





- RELOCATE EXISTING RECEPTACLE TO ACCOMMODATE NEW DOOR. COORDINATE EXACT LOCATION WITH OWNER/ARCHITECT.
- CONNECT RECEPTACLE TO RECEPTACLE CIRCUIT NEARBY. VERIFY CIRCUIT CAPACITY PRIOR TO INSTALLATION. COORDINATE EXACT RECEPTACLE LOCATION WITH OWNER/ARCHITECT. WIRE & CONDUIT SIZE AND TYPE SHALL MATCH EXISTING.

ENGINEFRING CONSULTANTS The FUTURE. Built SMARTER.\*

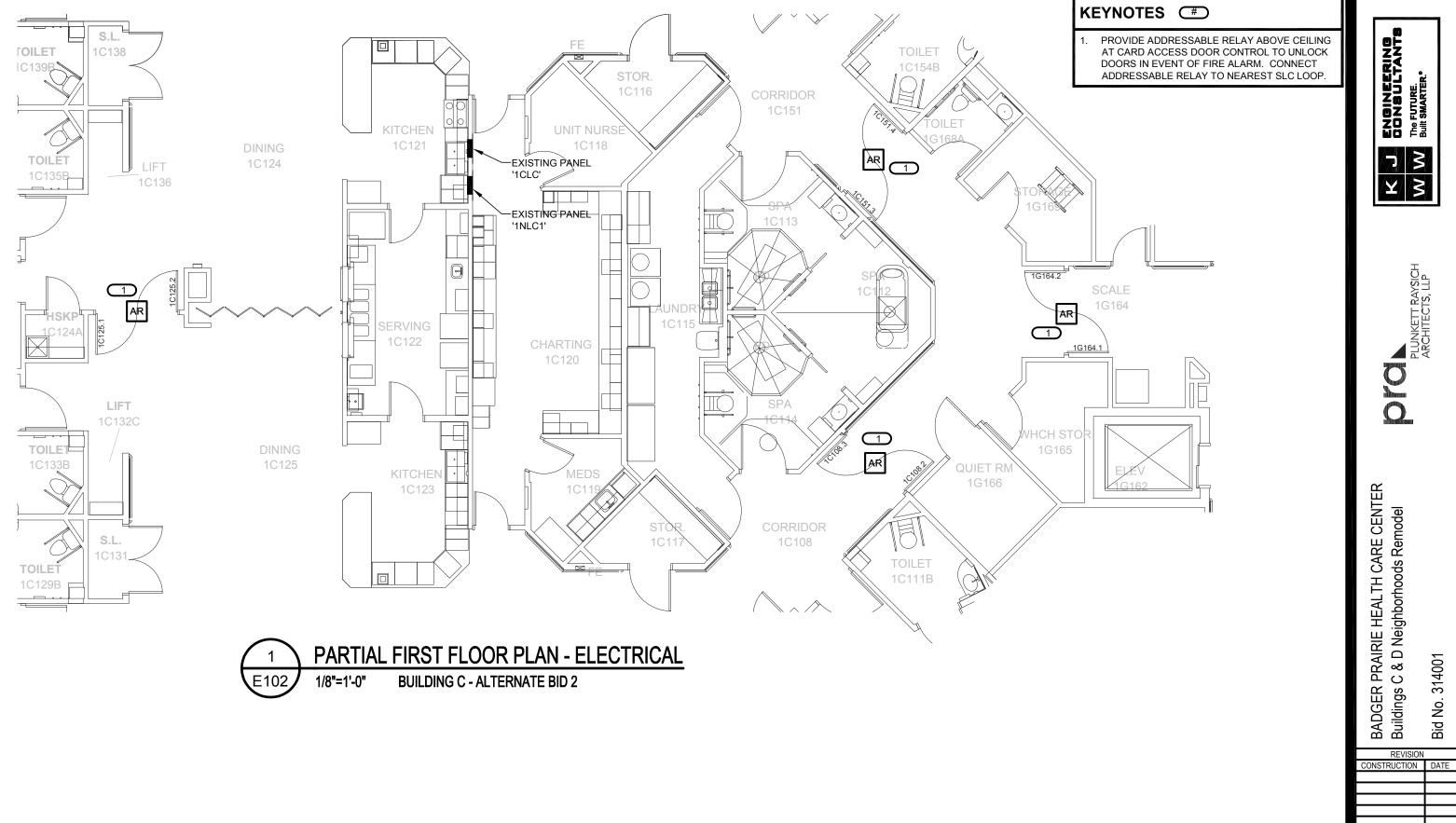


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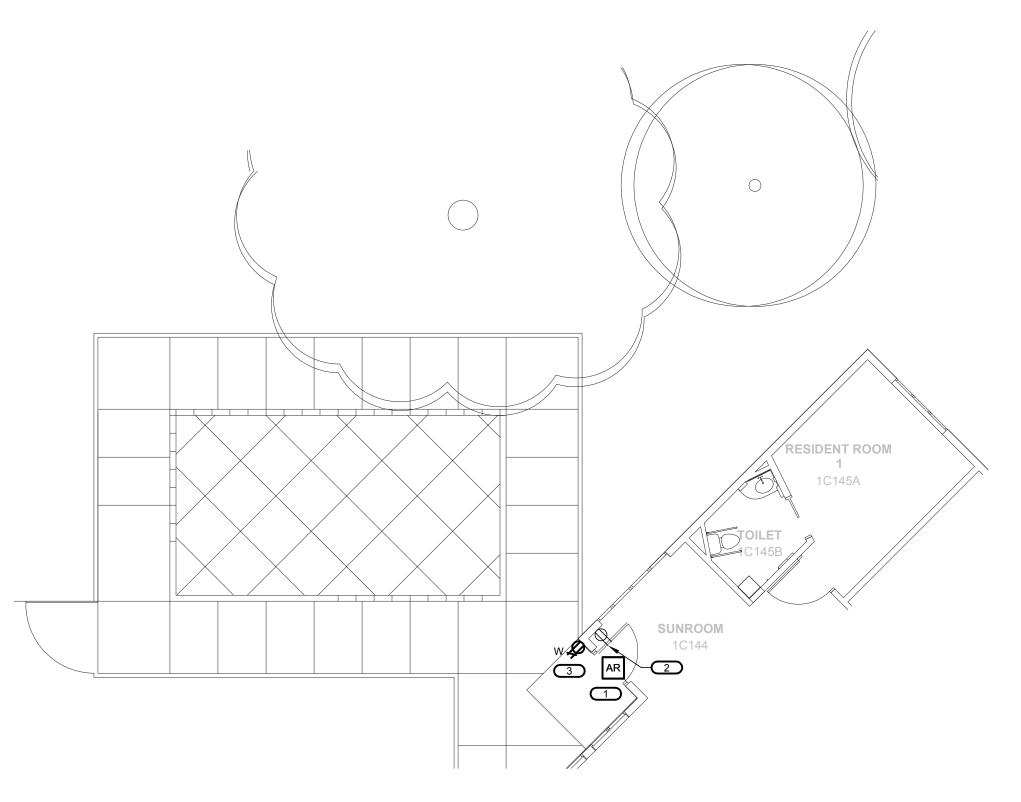
BADGER PRAIRIE HEALTH CARE CENTER Buildings C & D Neighborhoods Remodel

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PARTIAL FIRST FLOOR PLAN - ELECTRICAL

1/8"=1'-0"

**BUILDING C - ALTERNATE BID 3** 

### KEYNOTES #



- PROVIDE ADDRESSABLE RELAY ABOVE CEILING AT CARD ACCESS DOOR CONTROL TO UNLOCK DOORS IN EVENT OF FIRE ALARM. CONNECT ADDRESSABLE RELAY TO NEAREST SLC LOOP.
- RELOCATE EXISTING RECEPTACLE TO ACCOMMODATE NEW DOOR. COORDINATE EXACT LOCATION WITH OWNER/ARCHITECT.
- CONNECT RECEPTACLE TO RECEPTACLE CIRCUIT NEARBY. VERIFY CIRCUIT CAPACITY PRIOR TO INSTALLATION. COORDINATE EXACT RECEPTACLE LOCATION WITH OWNER/ARCHITECT. WIRE & CONDUIT SIZE AND TYPE SHALL MATCH EXISTING.

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BADGER PRAIRIE HEALTH CARE CENTER Buildings C & D Neighborhoods Remodel

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2#12 & 1#12 GND. PROVIDE UNDERGROUND WIRE OUTDOORS AND 3/4" CONDUIT AND WIRE INSIDE. CONTROL WITH PE CELL.



PROVIDE A 120V-12VAC 50VA TRANSFORMER INSIDE THE BUILDING FOR LANDSCAPE LIGHTS, LOCATE TRANSFORMER NEAR EXTERIOR WALL ABOVE CEILING AREA.

### LIGHT FIXTURE SCHEDULE

TYPE ОМ

LOW VOLTAGE (INCAND.) LANDSCAPE LIGHTS TYPE

LAMPS

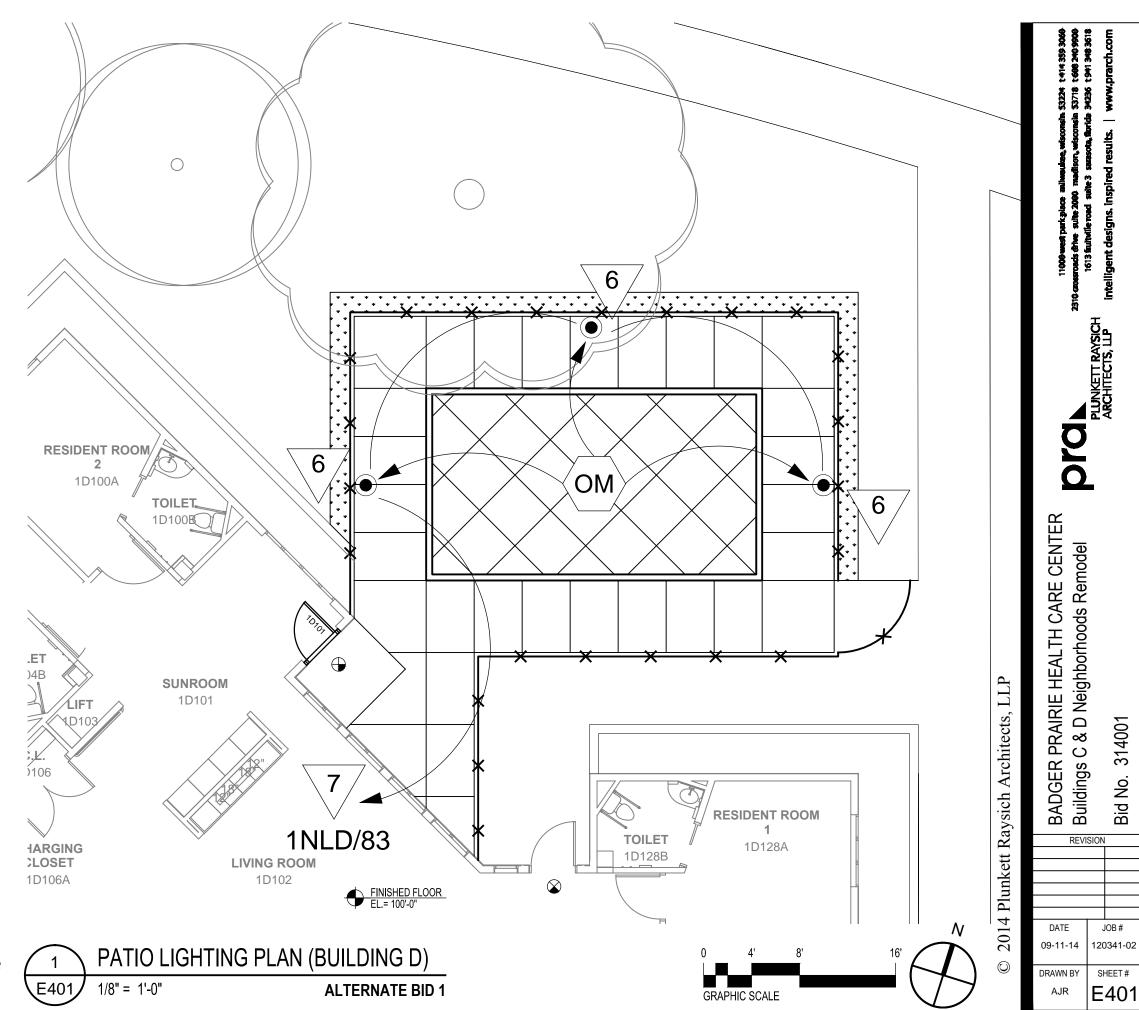
WEDGE BASE

VOLTS 12V/AC

DESCR. BRONZE SPIKE MOUNT PATHLIGHT WITH 3600 HORIZONTAL SLOTS

MANUF./ NIGHTSCAPING MODEL CD-7520 CU-L0912-4

APPROV. KIM, GE, EXCELINE, MCGRAW EDISON, KICHLER VISIONAIRE LIGHTING COOPER OR APPROVED EQUAL





2#12 & 1#12 GND. PROVIDE UNDERGROUND WIRE OUTDOORS AND 3/4" CONDUIT AND WIRE INSIDE. CONTROL WITH PE CELL.

PROVIDE A 120V-12VAC 50VA TRANSFORMER INSIDE THE BUILDING FOR LANDSCAPE LIGHTS, LOCATE TRANSFORMER NEAR EXTERIOR WALL ABOVE CEILING AREA.

### LIGHT FIXTURE SCHEDULE

LOW VOLTAGE (INCAND.)

TYPE LANDSCAPE LIGHTS

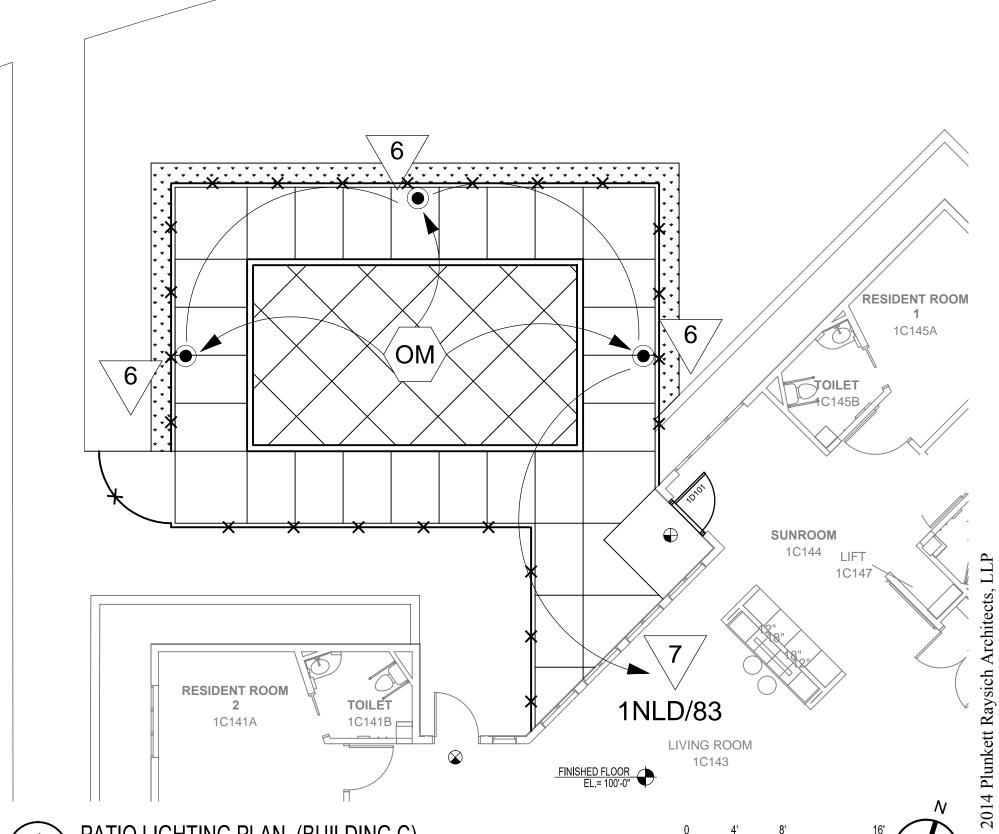
LAMPS

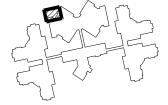
WEDGE BASE VOLTS 12V/AC

BRONZE SPIKE MOUNT PATHLIGHT WITH 3600 HORIZONTAL SLOTS

MANUF./ NIGHTSCAPING MODEL CD-7520 CU-L0912-4

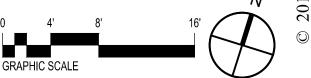
APPROV. KIM, GE, EXCELINE, MCGRAW EDISON,
EQUAL KICHLER VISIONAIRE LIGHTING
COOPER OR APPROVED EQUAL





PATIO LIGHTING PLAN (BUILDING C) E402

1/8" = 1'-0" **ALTERNATE BID 3** 



BADGER PRAIRIE HEALTH CARE CENTER Buildings C & D Neighborhoods Remodel Bid No. 314001 REVISION JOB# 09-11-14 120341-02 DRAWN BY SHEET# E402 AJR

# **GENERAL TECHNOLOGY NOTES:**

- 1. "1/T100" INDICATES DETAIL NUMBER / SHEET NUMBER.
- 2. "(ACP/1)" INDICATES GENERAL TECHNOLOGY EQUIPMENT SCHEDULE ITEM IN SYMBOL.
- 3. A SLASH IS USED BETWEEN TWO SUBSCRIPTS, e.g., "A/H".
- REFER TO GENERAL TECHNOLOGY EQUIPMENT SCHEDULE AND SPECIFICATIONS FOR FULL DESCRIPTIONS AND MANUFACTURERS OF ALL DEVICES.
- 5. " # " INDICATES KEYED NOTE USED TO DESCRIBE ADDITIONAL INFORMATION OF WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL IT IS SHOWN WITH.

### FROM FINISHED FLOOR TO CENTERLINE MOUNTING SUBSCRIPT KEY:

### TECHNOLOGY OUTLETS

/A MOUNT +6" TO CENTERLINE ABOVE COUNTER OR BACKSPLASH

- /H MOUNT ORIENTED HORIZONTALLY
  /L MOUNT IN CASEWORK BY OTHERS
- /M MOUNT IN MODULAR FURNITURE BY OTHERS
- /S MOUNT IN SURFACE RACEWAY BY E.C.

### ABBREVIATION KEY:

- T.C. TECHNOLOGY CONTRACTOR
  S.C. SECURITY CONTRACTOR
  E.C. ELECTRICAL CONTRACTOR
  M.C. MECHANICAL CONTRACTOR
  G.C. GENERAL CONTRACTOR
  AFF ABOVE FINISHED FLOOR
  BFC BELOW FINISHED CEILING
  C CONDUIT
- C CONDUIT SIM SIMILAR TYP TYPICAL
- +#" MOUNTING HEIGHT ABOVE FINISHED FLOOR
- J-BOX JUNCTION BOX

### LINE TYPE KEY:

NEW WORK BY THIS CONTRACTOR
(DARK SOLID LINE)
NEW WORK UNDERFLOOR OR UNDERGROUND BY THIS CONTRACTOR
(DARK LONG DASHED LINE)

NEW WORK BY OTHERS AND/OR EXISTING TO REMAIN
(LIGHT SOLID LINE)
----EXISTING TO BE REMOVED BY THIS CONTRACTOR

(DARK SHORT DASHED LINE)

# **ALTERNATES**

BASE BID: UNIT 'D' SECURITY DOOR OPERATION AS INDICATED WITHIN CONSTRUCTION DOCUMENTS.

ALTERNATE NO. 1: UNIT 'D' EXTERIOR PATIO AS INDICATED WITHIN CONSTRUCTION DOCUMENTS.

ALTERNATE NO. 2: UNIT 'C' SECURITY DOOR OPERATION AS INDICATED WITHIN CONSTRUCTION DOCUMENTS.

ALTERNATE NO. 3: UNIT 'C' EXTERIOR PATIO AS INDICATED WITHIN CONSTRUCTION DOCUMENTS.

# **TECHNOLOGY INSTALLATION NOTES:**

- THE COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN. REFER TO THE ADA GUIDELINES FOR ALL CONFIGURATIONS DETAIL ON DRAWING T401 FOR ADDITIONAL INFORMATION.
- CONCEAL ALL CONDUIT IN WALLS, PARTITIONS, ABOVE CEILING, IN FLOOR SLAB, ETC. UNLESS OTHERWISE INDICATED ON THE PLANS OR IN THE SPECIFICATIONS. CONDUIT IN MECHANICAL ROOMS AND STORAGE ROOMS WITHOUT CEILINGS MAY BE EXPOSED ON BUILDING STRUCTURE.
- 3. BOXES LOCATED ON OPPOSITE SIDES OF NON-RATED WALLS SHALL BE OFFSET A MINIMUM OF 6" HORIZONTALLY. BOXES ON OPPOSITE SIDES OF FIRE RATED WALLS SHALL BE OFFSET A MINIMUM OF 24" HORIZONTALLY. "THRU-THE-WALL" BOXES SHALL NOT BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.
- 4. CONTRACTOR SHALL VERIFY ALL FURNITURE, MODULAR FURNITURE, AND EQUIPMENT LOCATIONS WITH ARCHITECTURAL PLANS, ELEVATIONS, AND REVIEWED SHOP DRAWINGS. PRIOR TO MAKING THE ACTUAL TELECOMMUNICATIONS INSTALLATION, THIS CONTRACTOR SHALL ADJUST OUTLETS OR CONNECTION LOCATIONS TO ACCOMMODATE FURNITURE AND/OR EQUIPMENT.
- 5. TELECOMMUNICATIONS EQUIPMENT SHALL BE MOUNTED TO ALLOW ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT. ALL MOUNTING OF TELECOMMUNICATION DEVICES ON EQUIPMENT SUPPLIED BY ANOTHER CONTRACTOR SHALL BE APPROVED IN ADVANCE BY THE OTHER CONTRACTOR.
- 6. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS REQUIRED IN WALLS. ALL OPENINGS SHALL BE REPAIRED TO MATCH EXISTING BY A QUALIFIED CONTRACTOR AT THE EXPENSE OF THIS CONTRACTOR. ALL CONDUITS THROUGH WALLS SHALL BE GROUTED OR SEALED INTO OPENINGS.
- 7. FIRESTOPPING REFERS TO THE ITEMS SPECIFICALLY ADDRESSED IN DIVISION 26 AND 28 DOCUMENTS. ALL MATERIALS USED TO SEAL PENETRATIONS OF FIRE RATED WALLS AND FLOORS SHALL BE TESTED AND CERTIFIED AS A SYSTEM PER ASTM E814 STANDARDS FOR FIRE TESTS OF THROUGH-PENETRATION FIRESTOPS. REFER TO 28 05 03 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- 8. CONTRACTOR SHALL REMOVE AND REINSTALL ALL CEILING TILES AS REQUIRED FOR THE EXECUTION OF TELECOMMUNICATIONS WORK THAT IS OUTSIDE THE CONTRACT LIMITS OF CONSTRUCTION. CONTRACTOR SHALL REPLACE CEILING TILES WITH IDENTICAL MATERIAL WHERE DAMAGED BY THIS CONTRACTOR.
- INCUMBENT ACCESS CONTROL SYSTEM CONTRACTOR ON SITE IS ESI. ESI SHALL BE CONTRACTED TO PERFORM ALL SPECIFIED ACCESS CONTROL WORK. ESI PROJECT CONTACT IS JERRY GITLEWSKI (262) 832-1308 JERRY.GITLEWSKI@THINKESI.COM.
- 10. INCUMBENT ACCESS CONTROL SYSTEM CONTRACTOR ON SITE IS SELECT SOUND. SELECT SOUND SHALL BE CONTRACTED TO PERFORM ALL SPECIFIED NURSE CALL WORK. SELECT SOUND PROJECT CONTACT IS MIKE BORHART (608) 826-5521 MBORHART @SELECTSOUNDSERVICE.COM.





BADGER PRAIRIE HEALTH CARE CENTER Buildings C & D Neighborhoods Remodel

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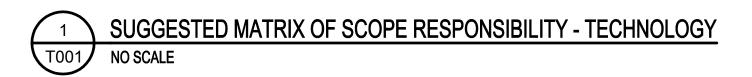
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# SUGGESTED MATRIX OF SCOPE RESPONSIBILITY

ITEM	SHOWN ON	FURNISHED BY	INSTALLED BY	NOTES (SEE BELOW)
ACCESS CONTROL SYSTEM ROUGH-IN	T-SERIES	E.C.	E.C.	2, 3, 9
CONDUIT SLEEVES (WHEN SHOWN ON DRAWINGS)	T-SERIES	E.C.	E.C.	
CONDUIT SLEEVES (NOT SHOWN BUT REQUIRED FOR PROPER INSTALLATION OF SYSTEM)	N/A	T.C.	E.C.	1, 3
FIRESTOPPING	N/A	E.C.	E.C.	8
GROUNDING LUGS ON TECHNOLOGY EQUIPMENT	T-SERIES	T.C.	E.C.	5
GROUNDING SYSTEM FOR TECHNOLOGY SYSTEM	T-SERIES	E.C.	E.C.	6
CONNECTION OF TECHNOLOGY GROUND SYSTEM TO THE ELECTRICAL GROUND SYSTEM	T-SERIES	E.C.	E.C.	7
LINE VOLTAGE POWER (+120V OR GREATER)	E-SERIES	E.C.	E.C.	
LINE VOLTAGE POWER (NOT SHOWN BUT REQUIRED FOR PROPER INSTALLATION OF SYSTEM)	N/A	T.C.	E.C.	1, 3
LINE VOLTAGE POWER FOR DOOR HARDWARE POWER SUPPLIES	ARCH. DOCUMENTS	E.C.	E.C.	
LOW VOLTAGE CABLING FOR TECHNOLOGY SYSTEMS	T-SERIES	T.C.	T.C.	
BRIDLE RINGS, J-HOOKS, OR OTHER CABLE ROUTING METHODS (OTHER THAN CONDUIT AND CABLE TRAY)	T-SERIES	T.C.	T.C.	4

### NOTES

- 1. BASED ON THE INHERENT DIFFERENCES IN PRODUCTS FROM VARIOUS MANUFACTURERS, ALL REQUIRED EQUIPMENT MAY NOT BE SHOWN ON THE DRAWINGS FOR ALL ACCEPTABLE MANUFACTURERS.
- 2. INCLUDES BACKBOXES AND CONDUIT REQUIRED FOR THE TECHNOLOGY SYSTEMS INSTALLATION. THE E.C. SHALL BASE THE BID ON THE BASIS OF DESIGN SHOWN ON THE CONTRACT DOCUMENTS.
- 3. ALL CHANGES TO THE SLEEVES, BACKBOXES, CONDUITS, AND POWER REQUIRED BECAUSE OF THE T.C.'S SELECTION OF AN ALTERNATE ACCEPTABLE MANUFACTURER (OR FROM SYSTEM CONFIGURATIONS THAT ARE LEFT TO THE CHOICE OF THE CONTRACTOR) SHALL BE INCLUDED IN THE T.C.'S BID. THIS BID SHALL INCLUDE INSTALLATION BY A LICENSED ELECTRICIAN.
- 4. UNLESS TRADE RULES DICTATE OTHERWISE.
- 5. FURNISHED AS PART OF THE EQUIPMENT WHEN POSSIBLE, OR FURNISHED TO THE E.C. FOR INSTALLATION IN THE FIELD.
- 6. INCLUDES ALL CONDUCTORS, GROUND BARS, AND TERMINATIONS FOR THE COMPLETE GROUNDING SYSTEM REQUIRED BY THE SPECIFICATIONS INCLUDING CONNECTORS TO THE LUGS PROVIDED ON THE TECHNOLOGY EQUIPMENT.
- 7. REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS OF PANELS AND SWITCHBOARDS SHOWN IN THE GROUNDING RISER.
- 8. FIRESTOPPING REFERS TO THE ITEMS SPECIFICALLY ADDRESSED IN DIVISION 26 AND 28 DOCUMENTS. REFER TO INDIVIDUAL SPECIFICATION SECTIONS FOR INFORMATION SPECIFIC TO FIRESTOPPING.
- 9. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH SYSTEM CONTRACTOR FOR APPROPRIATE CUSTOM BACKBOXES FOR THIS SYSTEM. CUSTOM BACKBOXES FURNISHED BY T.C., INSTALLED BY E.C. STANDARD BACKBOXES, JUNCTION BOXES, AND ASSOCIATED CONDUIT FURNISHED AND INSTALLED BY E.C.



# GENERAL TECHNOLOGY EQUIPMENT SCHEDULE

THE SYMBOLS AND THE GENERAL TECHNOLOGY EQUIPMENT SCHEDULE ARE FOR THE CONVENIENCE OF THE CONTRACTOR. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF QUANTITIES AND SHALL FURNISH ALL MATERIAL REQUIRED, WHETHER SPECIFIED OR NOT, TO PRODUCE A SATISFACTORY WORKING SYSTEM.

CATALOG NUMBERS SHALL NOT BE CONSIDERED COMPLETE BUT ARE GIVEN ONLY TO AID THE CONTRACTOR IN THE SEARCH FOR MATERIAL. NO MATERIAL SHALL BE ORDERED BY MANUFACTURER AND CATALOG NUMBER ONLY. EACH CONTRACTOR SHALL FIRST READ THE COMPLETE DESCRIPTION OF THE MATERIAL ON THESE DRAWINGS AND SPECIFICATIONS. THE FIRST MANUFACTURER LISTED IS THE BASIS OF DESIGN. "STANDARD COLOR" INDICATES FACTORY FINISH AVAILABLE AT NO ADDITIONAL CHARGE.

ITEM NO.	SYMBOL	DESCRIPTION	APPROVED MANUFACTURERS
1	CSS	SYMBOL INDICATES THAT DOOR HAS ELECTRONIC ACCESS CONTROL SECURITY FUNCTIONALITY. REFER TO ACCESS CONTROL SCHEDULE ON DRAWING T300 FOR COMPLETE REQUIREMENTS FOR EACH DOOR. REFER TO SPECIFICATION SECTION 28 13 00 FOR ADDITIONAL INFORMATION AND REQUIREMENTS. REFER TO 1/T200 FOR WIRING REQUIREMENTS.	
2	ACP 1	ACCESS CONTROL SYSTEM CONTROL PANEL. SUPPORTS CREDENTIAL READERS VIA WIEGAND INTERFACE AND CONNECTIONS TO SYSTEM DEVICES VIA SUPERVISED RELAY INPUTS AND OUTPUTS, INTEGRATES WITH SYSTEM MANAGEMENT SOFTWARE, ETHERNET AND SERIAL COMMUNICATION PORTS. REFER TO SPECIFICATION SECTION 28 13 00 FOR ADDITIONAL INFORMATION AND REQUIREMENTS. REFER TO 1/T200 FOR WIRING REQUIREMENTS.	VYKON NO SUBSTITUTIONS
3	CR	CREDENTIAL READER. INDOOR/OUTDOOR, 125 KHz PROXIMITY TECHNOLOGY, AUDIO/VISUAL INDICATION VIA CONFIGURABLE BEEPER AND MULTI-COLOR LED, WIEGAND INTERFACE, GREY POLYCARBONATE ENCLOSURE, 3.135" H X 1.720" W X 0.660" D. UL LISTED. INSTALL CENTERED ON A SINGLE-GANG STAINLESS STEEL FACEPLATE MOUNTED TO A 4" SQUARE 2-1/8" DEEP BACKBOX WITH A SINGLE GANG PLASTER RING AND A 3/4" EMT CONDUIT STUBBED TO NEAREST ACCESSIBLE CEILING. REFER TO 1/T200 FOR WIRING REQUIREMENTS.	HID 6005B NO SUBSTITUTIONS
4	ML	ELECTRIFIED DOOR LOCKING HARDWARE, FURNISHED AND INSTALLED BY OTHERS. CABLING AND CONNECTION TO LOCKING HARDWARE BY THIS CONTRACTOR. COORDINATE CONNECTIONS AND TESTING WITH ON-SITE DOOR CONTRACTOR. REFER TO 1/T200 FOR WIRING REQUIREMENTS.	
5	МВ	MAGNETIC BOND SENSOR; INTEGRAL PART OF ELECTRIFIED DOOR LOCKING HARDWARE, FURNISHED AND INSTALLED BY OTHERS. CABLING AND CONNECTION TO SENSOR BY THIS CONTRACTOR. COORDINATE CONNECTIONS AND TESTING WITH ON-SITE DOOR CONTRACTOR. REFER TO 1/T200 FOR WIRING REQUIREMENTS.	
6	DP	DOOR POSITION SENSOR; INTEGRAL PART OF ELECTRIFIED DOOR LOCKING HARDWARE, FURNISHED AND INSTALLED BY OTHERS. CABLING AND CONNECTION TO SENSOR BY THIS CONTRACTOR. COORDINATE CONNECTIONS AND TESTING WITH ON-SITE DOOR CONTRACTOR. REFER TO 1/T200 FOR WIRING REQUIREMENTS.	







BADGER PRAIRIE HEALTH CARE CENTER Buildings C & D Neighborhoods Remodel

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# GENERAL TECHNOLOGY EQUIPMENT SCHEDULE (CONTINUED)

THE SYMBOLS AND THE GENERAL TECHNOLOGY EQUIPMENT SCHEDULE ARE FOR THE CONVENIENCE OF THE CONTRACTOR. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF QUANTITIES AND SHALL FURNISH ALL MATERIAL REQUIRED, WHETHER SPECIFIED OR NOT, TO PRODUCE A SATISFACTORY WORKING SYSTEM.

CATALOG NUMBERS SHALL NOT BE CONSIDERED COMPLETE BUT ARE GIVEN ONLY TO AID THE CONTRACTOR IN THE SEARCH FOR MATERIAL. NO MATERIAL SHALL BE ORDERED BY MANUFACTURER AND CATALOG NUMBER ONLY. EACH CONTRACTOR SHALL FIRST READ THE COMPLETE DESCRIPTION OF THE MATERIAL ON THESE DRAWINGS AND SPECIFICATIONS. THE FIRST MANUFACTURER LISTED IS THE BASIS OF DESIGN. "STANDARD COLOR" INDICATES FACTORY FINISH AVAILABLE AT NO ADDITIONAL CHARGE.

ITEM NO.	SYMBOL	DESCRIPTION	APPROVED MANUFACTURERS
7	KS	KEY SWITCH. SINGLE-GANG STAINLESS STEEL FACEPLATE, MORTISE KEY SWITCH, TWO LED INDICATOR LIGHTS. MORTISE CYLINDER PROVIDED BY OTHERS. ONE LED LABELED "TWO 8-BED" AND THE OTHER LABELED "ONE 16-BED". INDICATOR LIGHTS SHALL BE WIRED AND PROGRAMMED TO FOLLOW AND ANNUNCIATE THE ACTIVE DOOR CONFIGURATION. REFER TO SPECIFICATION SECTION 28 13 00 FOR ADDITIONAL INFORMATION. INSTALL IN A 4" SQUARE 2-1/8" DEEP BACKBOX WITH A SINGLE GANG PLASTER RING AND A 3/4" EMT CONDUIT STUBBED TO NEAREST ACCESSIBLE CEILING. REFER TO 1/T200 FOR WIRING REQUIREMENTS.	ALARM CONTROLS MCK-6 SECURITRON DOORTRONICS
8	ко	KEY OVERRIDE SWITCH. SINGLE-GANG STAINLESS STEEL FACEPLATE, MORTISE KEY SWITCH, TWO LED INDICATOR LIGHTS. MORTISE CYLINDER PROVIDED BY OTHERS. SWITCH WIRED TO INTERRUPT POWER TO ELECTRIFIED LOCKING HARDWARE AT THE ASSOCIATED DOOR. ONE LED LABELED "SECURE" AND THE OTHER LABELED "NOT SECURE". INDICATOR LIGHTS SHALL BE WIRED AND PROGRAMMED TO FOLLOW AND ANNUNCIATE WHETHER THE SWITCH IS INTERRUPTING POWER TO THE ELECTRIFIED LOCKING HARDWARE AT THE DOOR. REFER TO SPECIFICATION SECTION 28 13 00 FOR ADDITIONAL INFORMATION. INSTALL IN A 4" SQUARE 2-1/8" DEEP BACKBOX WITH A SINGLE GANG PLASTER RING AND A 3/4" EMT CONDUIT STUBBED TO NEAREST ACCESSIBLE CEILING. REFER TO 1/T200 FOR WIRING REQUIREMENTS.	ALARM CONTROLS MCK-6 SECURITRON DOORTRONICS
9	AR	FIRE ALARM ADDRESSABLE RELAY. FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. COORDINATE CONNECTIONS AND TESTING WITH ON-SITE ELECTRICAL CONTRACTOR. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION. REFER TO 1/T200 FOR WIRING REQUIREMENTS.	
10	J	JUNCTION BOX. SIZE PER N.E.C. REFER TO SPECIFICATIONS FOR GENERAL CONSTRUCTION AND OTHER REQUIREMENTS. USE OF THIS SYMBOL DOES NOT INDICATE THAT ALL JUNCTION BOXES REQUIRED FOR THIS CONTRACT ARE SHOWN.	

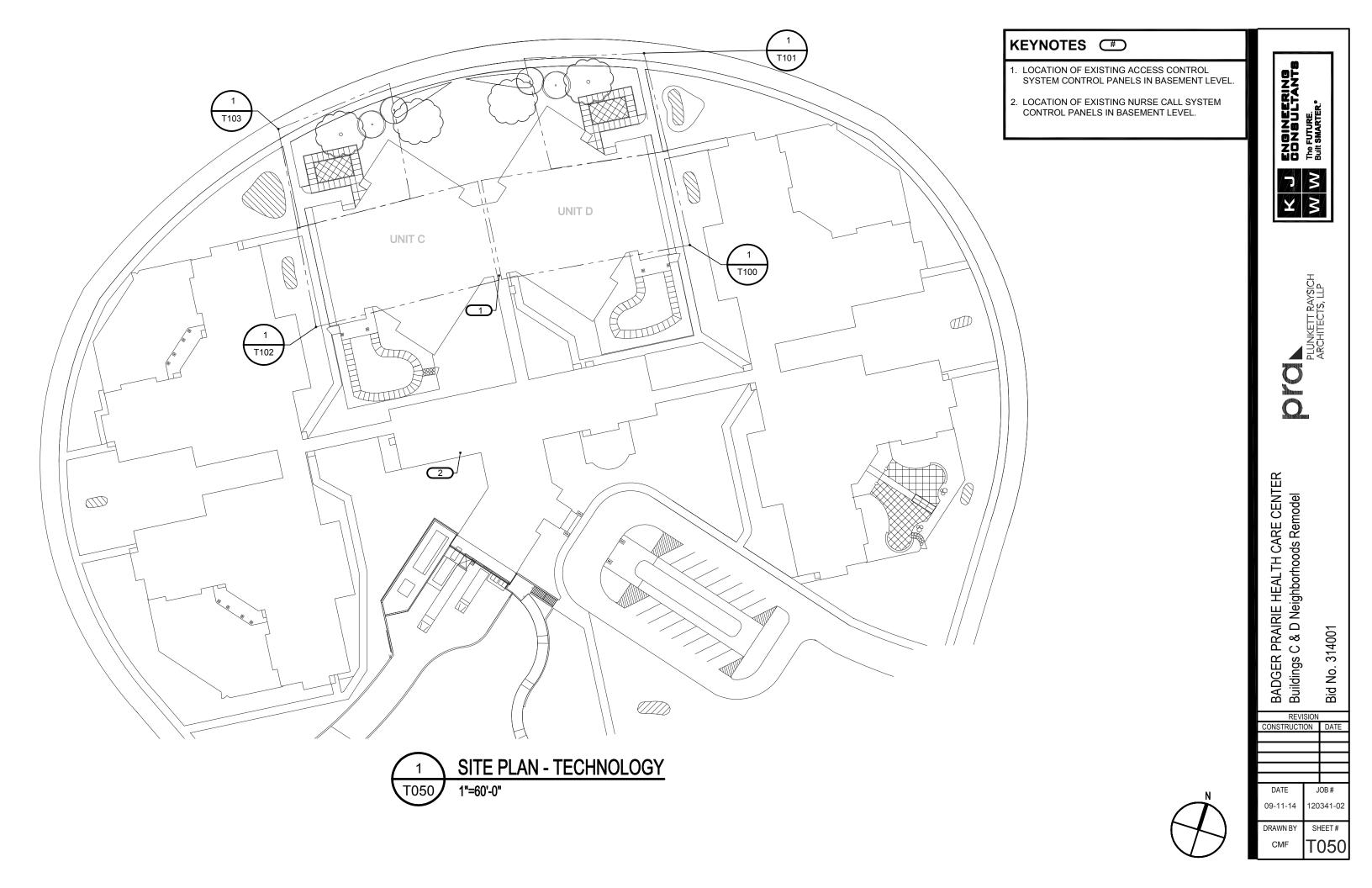


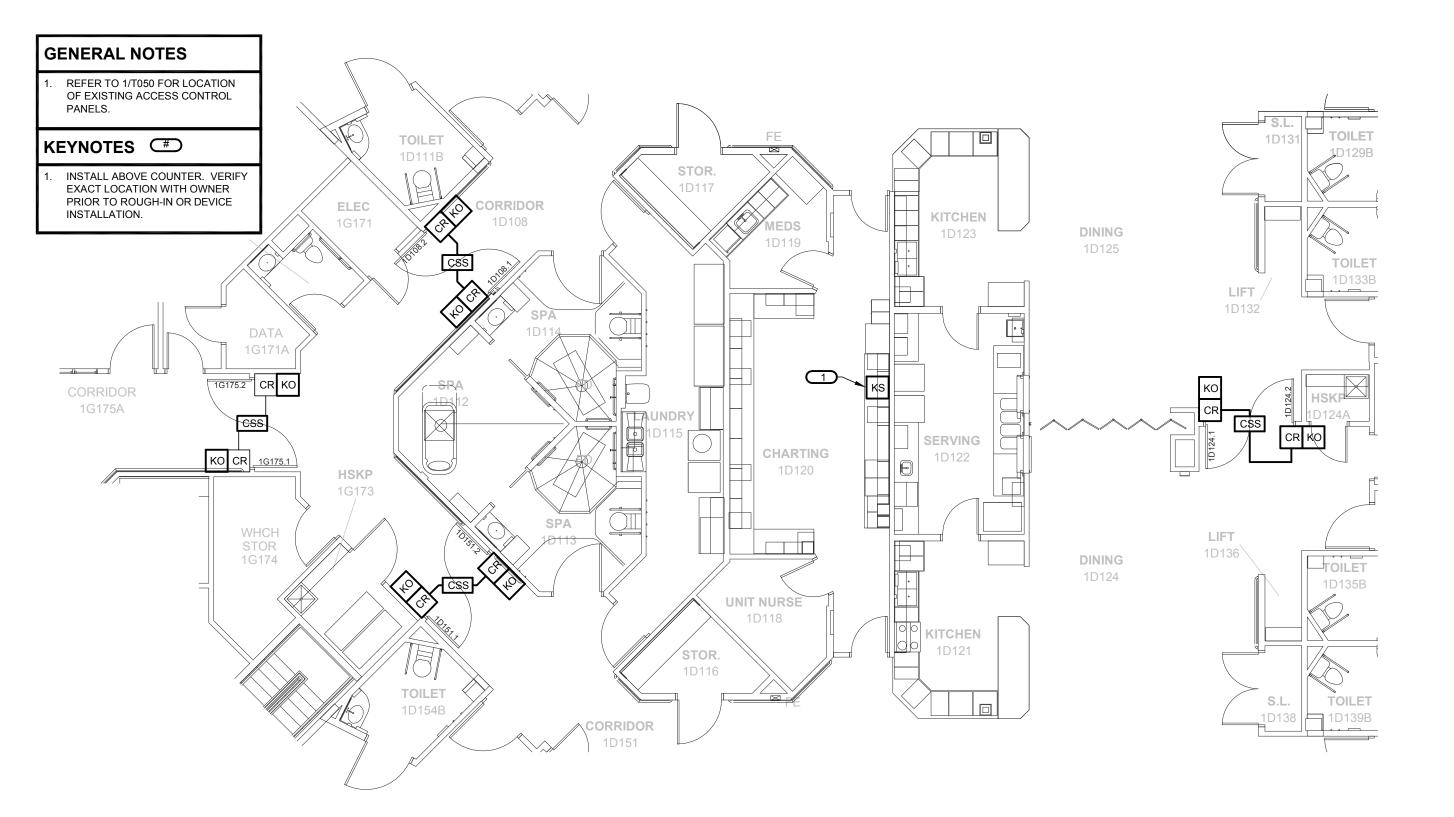




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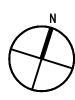




PARTIAL FIRST FLOOR PLAN - TECHNOLOGY

1/8"=1'-0" BUIL

**BUILDING D - BASE BID** 

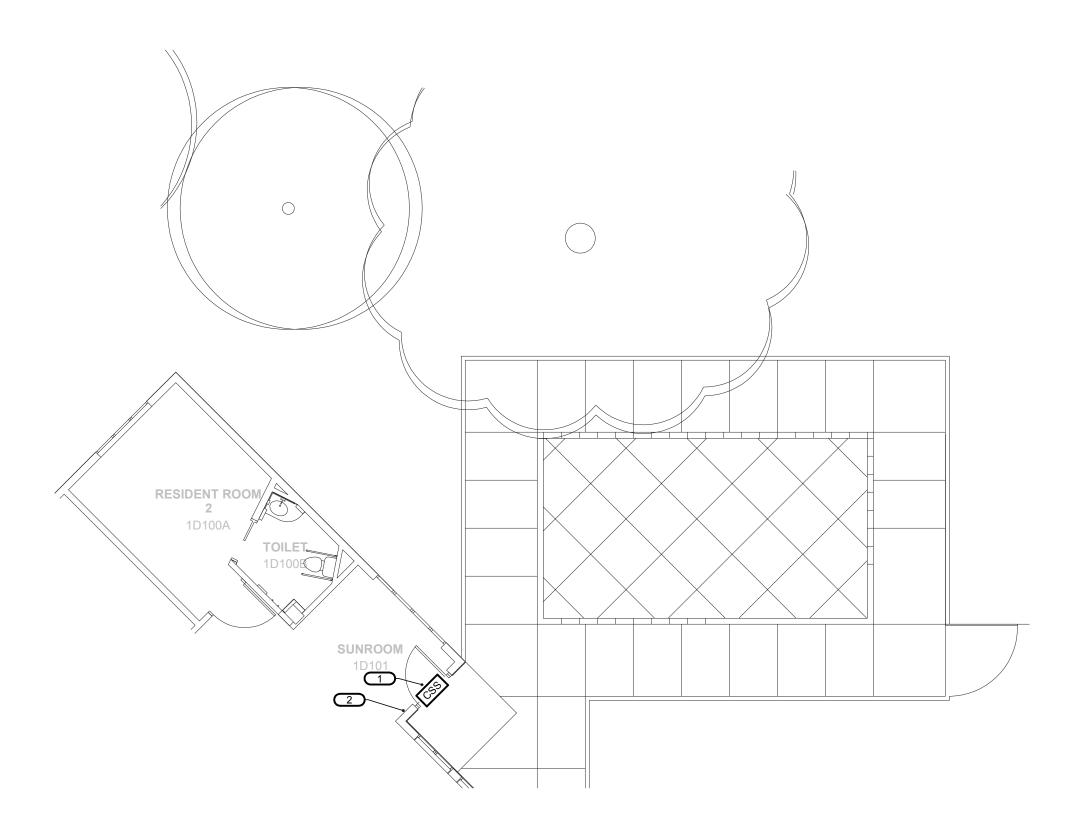




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PARTIAL FIRST FLOOR PLAN - TECHNOLOGY

1/8"=1'-0"

**BUILDING D - ALTERNATE BID 1** 

### **GENERAL NOTES**

1. REFER TO 1/T050 FOR LOCATION OF EXISTING ACCESS CONTROL PANELS.

### KEYNOTES #

- EXISTING VOICE/DATA JACK TO BE RELOCATED. REFER TO KEYNOTE 2 FOR NEW LOCATION.
  NEW LOCATION FOR EXISTING
- VOICE/DATA JACK.

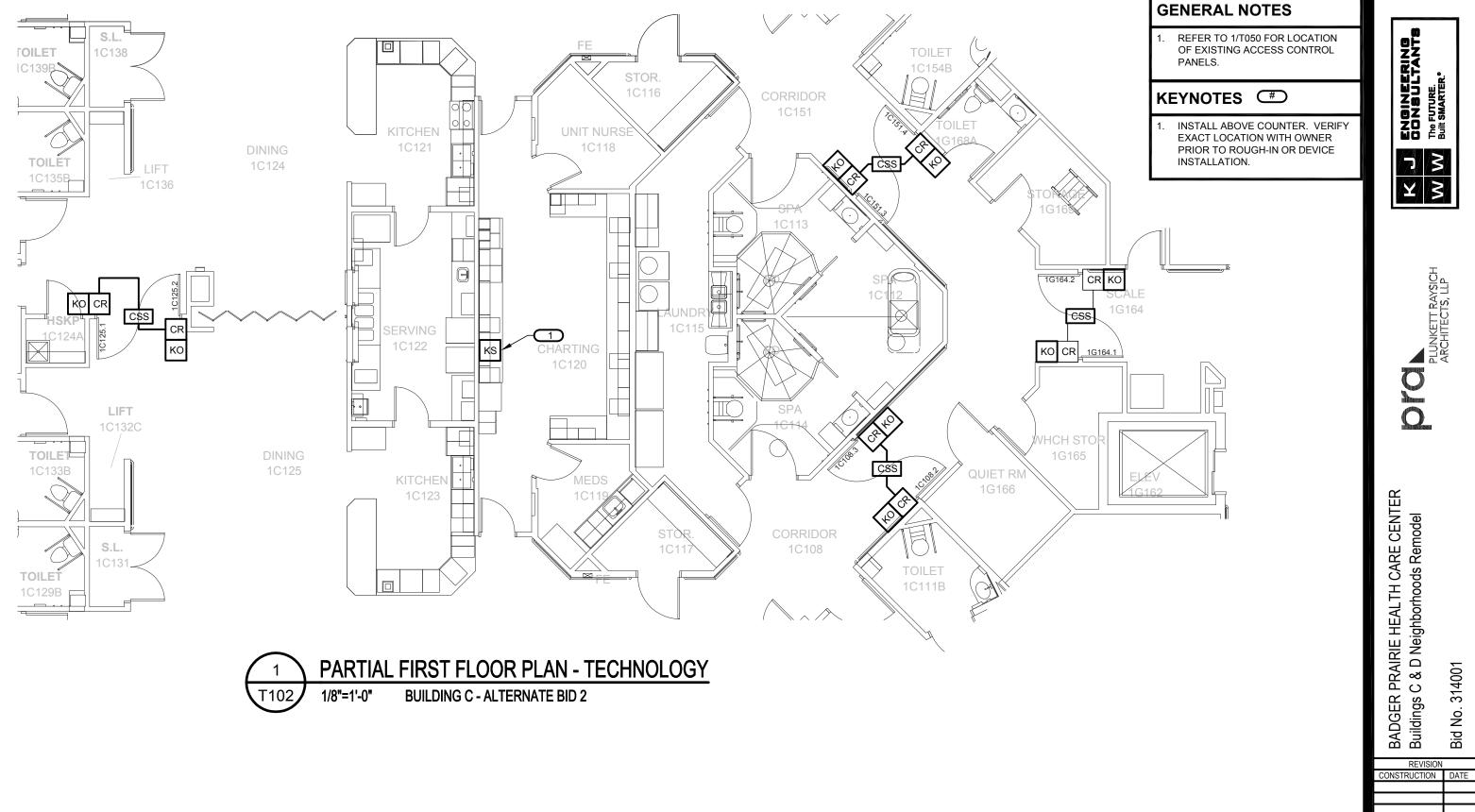




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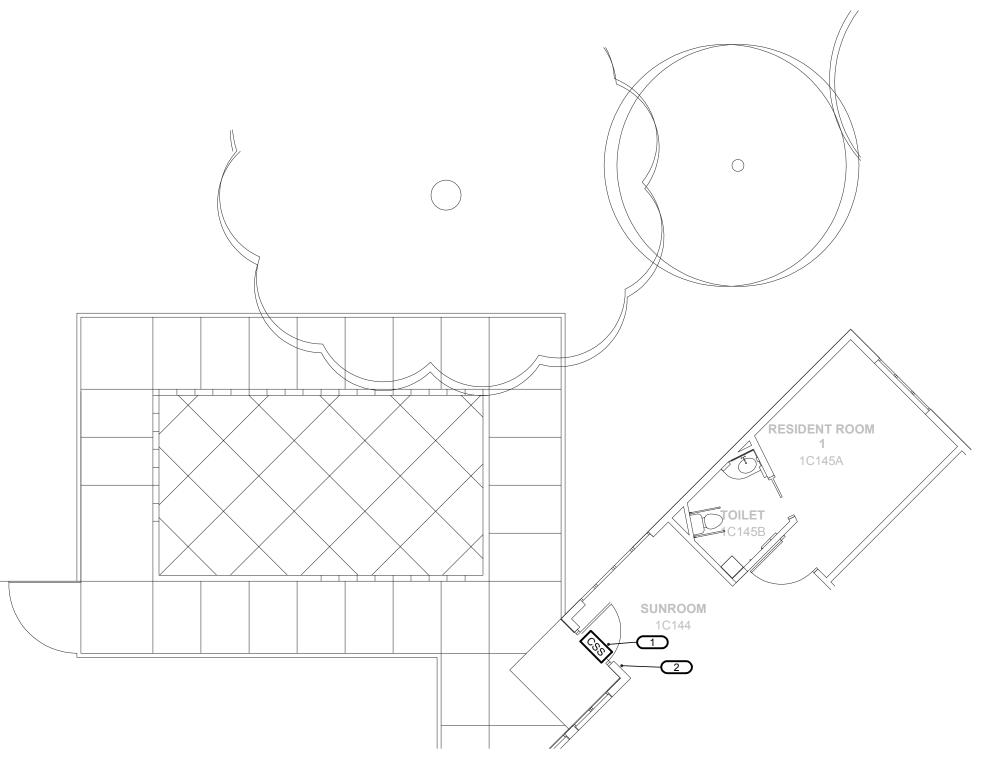






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PARTIAL FIRST FLOOR PLAN - TECHNOLOGY BUILDING C - ALTERNATE BID 3 1/8"=1'-0"

### **GENERAL NOTES**

REFER TO 1/T050 FOR LOCATION OF EXISTING ACCESS CONTROL PANELS.

### KEYNOTES #

- EXISTING VOICE/DATA JACK TO BE RELOCATED. REFER TO KEYNOTE 2 FOR NEW LOCATION.
  NEW LOCATION FOR EXISTING
- VOICE/DATA JACK.





BADGER PRAIRIE HEALTH CARE CENTER Buildings C & D Neighborhoods Remodel

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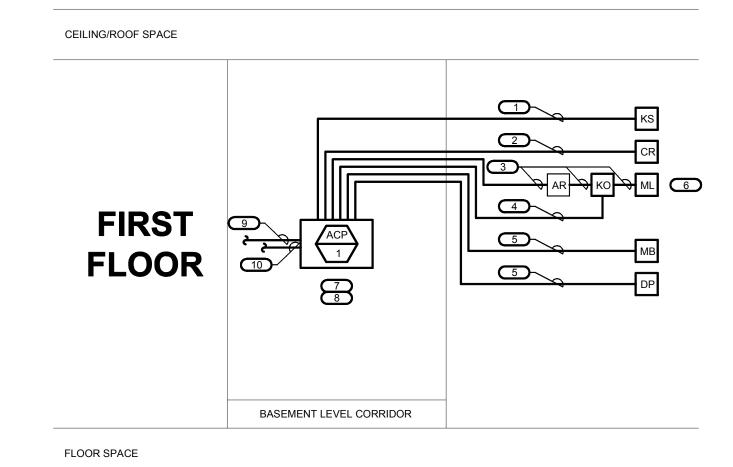


### NOTES:

- THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS.
  THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION LOCATIONS AND CABLE TYPE. DEVICES
  SHOWN ARE TYPICAL OF THE DEVICES IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR ACTUAL
  QUANTITIES OF DEVICES AND MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR
  ADDITIONAL REQUIREMENTS.
- 2. REFER TO 1/T050 FOR LOCATION OF EXISTING ACCESS CONTROL SYSTEM PANELS.

### KEYNOTES:

- ONE (1) 18/6 UNSHIELDED PLENUM CABLE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- ONE (1) 18/9 SHIELDED PLENUM CABLE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- 3 ONE (1) 14/2 UNSHIELDED PLENUM CABLE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- ONE (1) 18/4 UNSHIELDED PLENUM CABLE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS
- ONE (1) 18/2 UNSHIELDED PLENUM CABLE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- 6 ACCESS CONTROL SYSTEM DEVICES SHOWN ARE TYPICAL. REFER TO FLOOR PLANS FOR ACTUAL QUANTITY AND LOCATIONS OF CSS LOCATIONS. REFER TO ACCESS CONTROL SCHEDULE ON DRAWING T300 FOR INDIVIDUAL REQUIREMENTS AT EACH CSS LOCATION.
- (ACP/1) SHOWN ARE TYPICAL. CONTRACTOR TO DETERMINE ACTUAL QUANTITY OF CONTROLLERS REQUIRED FOR DEVICES SHOWN ON PROJECT DOCUMENTS.
- 8 ALL (ACP/1) TO BE PROPERLY BONDED TO NEAREST EXISTING TELECOMMUNICATIONS GROUNDING BUSBAR WITH MINIMUM #6 AWG COPPER (GREEN). REFER TO SPECIFICATIONS FOR CONDUCTOR SIZING CRITERIA AND ADDITIONAL REQUIREMENTS. REFER TO 1/T201 FOR ADDITIONAL INFORMATION.
- 9 CONNECTION TO OWNER'S EXISTING ACCESS CONTROL SYSTEM VIA ETHERNET. COORDINATE CONNECTION TO AND INTEGRATION WITH OWNER'S EXISTING ACCESS CONTROL SYSTEM, ALL NECESSARY PROGRAMMING, AND TESTING WITH OWNER.
- ONE (1) 18/2 UNSHIELDED PLENUM CABLE, FOR CONTACT CLOSURE INTEGRATION CONNECTION TO EXISTING NURSE CALL SYSTEM TO PROVIDE DOOR ALARM ANNUNCIATION ON EXISTING NURSE CALL SYSTEM WIRELESS PHONES FOR ONE (1) DOOR. TYPICAL OF ONE CABLE PER DOOR LISTED IN THE ACCESS CONTROL SCHEDULE ON DRAWING T300. REFER TO 1/T050 FOR LOCATION OF EXISTING NURSE CALL SYSTEM PANELS.



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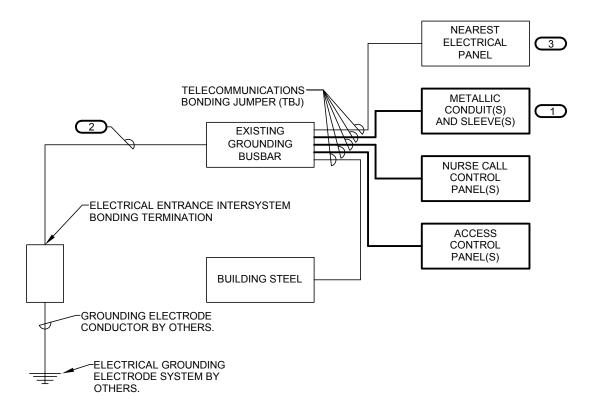
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REVISION
CONSTRUCTION DATE

DATE JOB#
09-11-14 120341-02

DRAWN BY SHEET#
CMF T200

1 ACCESS CONTROL RISER DIAGRAM - TECHNOLOGY
NO SCALE



### **BONDING CONDUCTOR** SIZING SCHEDULE CONDUCTOR MINIMUM ACCEPTABLE **LENGTH IN FEET SIZE - AWG** LESS THAN 13' 13' - 20' 20' - 26' 3 26' - 33' 2 33' - 41' 41' - 52' 1/0 52' - 66' 2/0 **GREATER THAN 66'** 3/0

1 T201

**NO SCALE** 

TYPICAL TECHNOLOGY BONDING FLOW DIAGRAM - TECHNOLOGY

### NOTES:

- I. THIS FLOW DIAGRAM IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS. THIS FLOW DIAGRAM IS SHOWN FOR CLARIFICATION OF CONNECTION LOCATIONS AND CONDUCTOR TYPE. ALL CONNECTIONS AND SYSTEM DEVICES SHOWN ARE TYPICAL AND NOT REPRESENTATIVE OF ACTUAL PROJECT QUANTITIES. REFER TO PLANS AND ENLARGED FLOOR PLANS FOR ACTUAL QUANTITIES AND LOCATIONS OF DEVICES AND MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- 2. ALL CONDUCTORS IN THE TECHNOLOGY BONDING SYSTEM SHALL BE MINIMUM SIZE OF 3/0 AWG COPPER (GREEN OR MARKED WITH A DISTINCTIVE GREEN COLOR) UNLESS CONDUCTOR LENGTH IS LESS THAN 66 FEET. REFER TO BONDING CONDUCTOR SIZING SCHEDULE FOR SIZING CRITERIA FOR CONDUCTORS LESS THAN 66 FEET IN LENGTH. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- 3. ALL BONDING CONDUCTORS AND BONDING JUMPERS SHALL BE CONNECTED BY COMPRESSION LUGS, EXOTHERMIC WELDING, OR IRREVERSIBLE COMPRESSION CONNECTORS. SOLDER IS NOT AN ACCEPTABLE MEANS OF CONNECTION. SHEET METAL SCREWS SHALL NOT BE USED TO MAKE BONDING CONNECTIONS. WHERE NECESSARY, REMOVE PAINT AND/OR USE PAINT-PIERCING WASHERS TO PROVIDE PROPER ELECTRICAL BOND AT ALL CONNECTIONS.

### KEYNOTES:

- 1 INCLUDES CONDUITS AND HORIZONTAL AND VERTICAL CONDUIT SLEEVES FOR TECHNOLOGY CABLING.
- 2 EXISTING BONDING CONDUCTOR FOR TECHNOLOGY, TO ELECTRICAL ENTRANCE INTERSYSTEM BONDING TERMINATION.
- (3) REFER TO ELECTRICAL DRAWINGS FOR LOCATION.



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# **ACCESS CONTROL SCHEDULE**

DOOR#	PLAN REF		DOOR FEATURES						RE	S	SCHEDULE NOTES
		CARD READER - IN	CARD READER - OUT	CONNECTION TO ELECTRIFIED DOOR HARDWARE (MAG LOCK)	CONNECTION TO MAGNETIC BOND SENSOR	CONNECTION TO DOOR POSITION MONITOR	DOOR ALARM ANNUNCIATION VIA NURSE CALL SYSTEM	REMOTE UNLOCK VIA FIRE COMMAND CENTER	LOCAL EMERGENCY UNLOCK VIA KEY OVERRIDE	S = SINGLE DOOR / D = DOUBLE DOOR	
1D108.1	T100	X	Χ	Χ	Х	Χ	Х	Χ	Χ	S	2, 4, 6
1D108.2	T100	Х	Χ	Χ	Х	Χ	Χ	Х	Х	S	2, 4,6
1D124.1	T100	X	Х	Х	Х	Χ	Х	Х	Х	S	2, 4,6
1D124.2	T100	Х	Χ	Χ	Х	Χ	Х	Χ	Х	S	2, 4,6
1D151.1	T100	Х	Χ	Χ	Х	Χ	Χ	Х	Х	S	2, 4,6
1D151.2	T100	Х	Χ	Χ	Х	Χ	Χ	Х	Х	S	2, 4,6
1G175.1	T100	Х	Χ	Х	Х	Х	Х	Χ	Х	S	1, 2, 4,6
1G175.2	T100	X	Χ	Χ	Х	Χ	Χ	Χ	Х	S	1, 2, 4,6
1D101	T101					Χ	Χ			S	3, 5, 7
1C108.2	T102	Х	Χ	Χ	Х	Χ	Х	Χ	Х	S	2, 4, 8
1C108.3	T102	Х	Χ	Χ	Х	Χ	Χ	Χ	Х	S	2, 4, 8
1C125.1	T102	Х	Х	Х	Х	Х	Х	Χ	Х	S	2, 4, 8
1C125.2	T102	X	Χ	Χ	Х	Χ	Χ	Χ	Χ	S	2, 4, 8
1C151.3	T102	X	Χ	Χ	Х	Χ	Х	Χ	Х	S	2, 4, 8
1C151.4	T102	Х	Χ	Χ	Х	Χ	Χ	Χ	Χ	S	2, 4, 8
1G164.1	T102	X	Х	Х	Х	Х	Х	Χ	Х	S	1, 2, 4, 8
1G164.2	T102	X	Χ	Χ	Х	Χ	Х	Χ	Χ	S	1, 2, 4, 8
1C144	T103					Χ	Χ			S	3, 5, 9

$\bigcirc$ 1	ACCESS CONTROL SCHEDULE - TECHNOLOGY
T300	NO SCALE

### NOTES:

- 1. EACH LEAF'S DOOR CONTACT SWITCH SHALL OPERATE INDEPENDENTLY. DO NOT SHUNT IN SERIES.
- 2. ELECTRIC DOOR HARDWARE SUCH AS MAGNETIC LOCKS WITH MAGNETIC BOND SENSOR CONTACT AND DOOR POSITION SENSOR CONTACT, ETC. SHALL BE FURNISHED AND INSTALLED BY OTHERS. CONTROL PANELS AND PROGRAMMING, CARD READERS, AND ALL SYSTEM CABLING BY THIS CONTRACTOR.
- 3. LOW-VOLTAGE POWER FOR HARD-WIRED ELECTRIFIED DOOR LOCKING HARDWARE PROVIDED BY ACCESS CONTROL SYSTEM CONTROL PANELS BY THIS CONTRACTOR.
- 4. COORDINATE CONNECTION TO ELECTRIC DOOR HARDWARE PROVIDED BY OTHERS WITH ON-SITE DOOR HARDWARE INSTALLATION CONTRACTOR.
- 5. COORDINATE TESTING OF ELECTRIC DOOR HARDWARE PROVIDED BY OTHERS WITH ON-SITE DOOR HARDWARE INSTALLATION CONTRACTOR.
- 6. REFER TO ARCHITECTURAL DOOR HARDWARE GROUPS AND SPECIFICATION FOR COMPLETE INFORMATION.

### SCHEDULE NOTES

- 1. EXISTING DOORWAY EQUIPPED WITH EXISTING CARD READERS AND EXISTING ELECTRIFIED DOOR LOCKING HARDWARE TO REMAIN.
- 2. EXISTING DOORWAY WITH EMPTY EXISTING ROUGH-INS FOR ACCESS CONTROL SYSTEM DEVICES.
- 3. REFER TO 1/T400 FOR ACCESS CONTROL ROUGH-IN REQUIREMENTS.
- 4. BOND SENSOR AND DOOR POSITION ALARMS SHALL ANNUNCIATE ON EXISTING NURSE CALL SYSTEM WIRELESS HANDSETS. ALARM NOTIFICATION ON HANDSET SHALL INCLUDE DOOR IDENTIFIER TO DIRECT STAFF TO DOOR IN ALARM.
- 5. DOOR POSITION ALARMS SHALL ANNUNCIATE ON EXISTING NURSE CALL SYSTEM WIRELESS HANDSETS. ALARM NOTIFICATION ON HANDSET SHALL INCLUDE DOOR IDENTIFIER TO DIRECT STAFF TO DOOR IN ALARM.
- 6. DOOR IS PART OF BASE BID. REFER TO T000 FOR ADDITIONAL INFORMATION.
- 7. DOOR IS PART OF ALTERNATE NO. 1. REFER TO T000 FOR ADDITIONAL INFORMATION.
- 8. DOOR IS PART OF ALTERNATE NO. 2. REFER TO T000 FOR ADDITIONAL INFORMATION
- 9. DOOR IS PART OF ALTERNATE NO. 3. REFER TO T000 FOR ADDITIONAL INFORMATION.





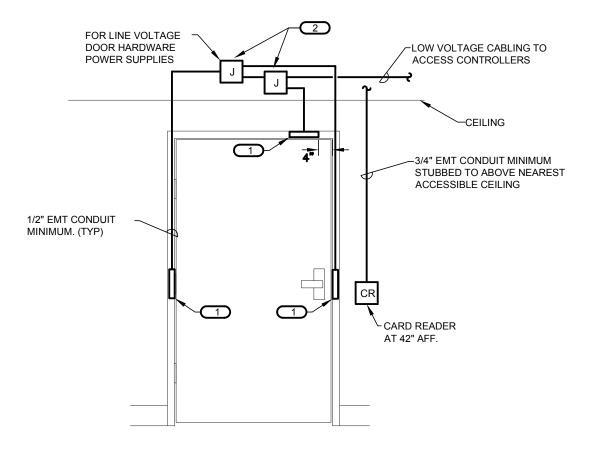
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DOOR FRAME ROUGH-IN DIAGRAM (ALL SINGLE DOORS)

### NOTES

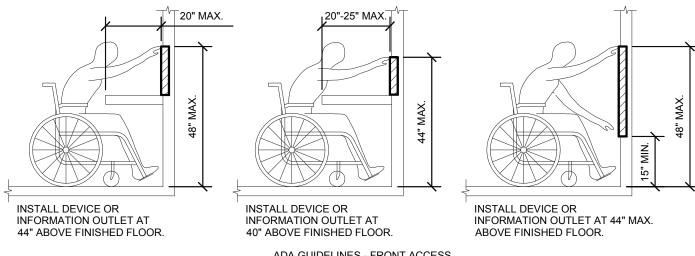
- 1. WIRING SHOWN ON THESE DIAGRAMS REPRESENTS MINIMUM REQUIREMENTS. COORDINATE EXACT REQUIREMENTS WITH SELECTED MANUFACTURER OF ACCESS CONTROL SYSTEM EQUIPMENT AND DOOR HARDWARE.
- 2. DETAIL MAY NOT BE REPRESENTATIVE OF SPECIFIC DOOR SWING DIRECTION. MIRROR DETAIL AS REQUIRED.
- 3. REFER TO ARCHITECTURAL DOOR HARDWARE GROUPS AND SPECIFICATION FOR COMPLETE INFORMATION.
- 4. ALL DOOR POSITION SWITCHES SHALL BE RECESSED, CONCEALED TYPE UNLESS OTHERWISE NOTED.
- 5. ALL CABLING IN WALLS AND WHERE EXPOSED ON VERTICAL SURFACES SHALL BE ROUTED IN 1/2" EMT CONDUIT MINIMUM. EXPOSED CABLING TRAVELING HORIZONTALLY ABOVE LAY-IN CEILING MAY BE EXPOSED CABLING PROPERLY RATED FOR ANY CEILING ENVIRONMENT THE CABLE IS ROUTED THROUGH.
- 6. ELECTRIC HINGE MONITORS ARE NOT ACCEPTABLE REPLACEMENTS FOR THE CONCEALED DOOR POSITION SWITCHES.
- 7. REFER TO FLOOR PLANS FOR CARD READER LOCATIONS.
- 8. ALL POWER (INCLUDING +120 VAC) REQUIRED FOR SYSTEM OPERATION SHALL BE PROVIDED BY THIS CONTRACTOR.
- INSTALLING CONTRACTOR SHALL FURNISH AND INSTALL FIRESTOP MATERIALS FOR ALL ACCESS CONTROL SECURITY SYSTEM ROUGH-INS PER PROJECT REQUIREMENTS. REFER TO SPECIFICATIONS FOR FIRESTOP REQUIREMENTS.

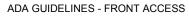
### KEYNOTES:

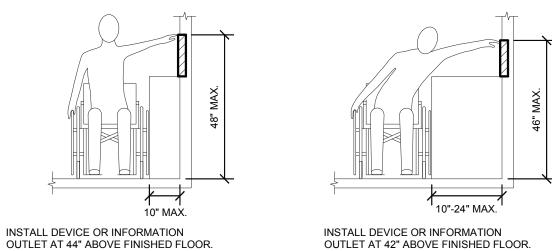
- PROVIDE JUNCTION BOXES IN THE DOOR FRAME WHERE SHOWN ON DETAIL. ROUGH-IN SHALL BE PROVIDED WHETHER THE CURRENT SECURITY SCHEME UTILIZES THEM OR NOT. NON-METALLIC OR FLEXIBLE CONDUIT OF ANY TYPE ARE NOT ACCEPTABLE. COORDINATE INSTALLATION WITH ON-SITE DOOR FRAME INSTALLATION CONTRACTOR.
  - MOUNT TWO (2) 4-SQUARE OR LARGER JUNCTION BOXES WITH BLANK COVER PLATES ABOVE NEAREST ACCESSIBLE CEILING AS CLOSE TO THE CONTROLLED DOORWAY AS IS PRACTICAL. INSTALLING CONTRACTOR TO SIZE JUNCTION BOXES PER SYSTEM INSTALLATION REQUIREMENTS AND APPLICABLE CODES.



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