



AIA[®] Document A101[™] – 2017

Standard Form of Agreement Between Owner and Contractor where the basis of payment is a Stipulated Sum

AGREEMENT made as of the Nineteenth day of November in the year Two Thousand Nineteen

(In words, indicate day, month and year.)

BETWEEN the Owner:

(Name, legal status, address and other information)

City of Ankeny
410 West First Street
Ankeny, IA 50023

and the Contractor:

(Name, legal status, address and other information)

Edge Commercial, LLC
3155 SE Miehe Drive
Suite 2
Grimes, IA 50111

for the following Project:

(Name, location and detailed description)

18078 Ankeny Public Services Library Remodel
1210 NW Prairie Ridge Drive
Ankeny, IA
Renovation of the existing Kirkendall Public Library into an office facility.

The Architect:

(Name, legal status, address and other information)

Savage-Ver Ploeg & Associates, Inc. dba SVPA Architects Inc.
1466 28th Street, Suite 200
West Des Moines, IA 50266

The Owner and Contractor agree as follows.

ADDITIONS AND DELETIONS:

The author of this document has added information needed for its completion. The author may also have revised the text of the original AIA standard form. An *Additions and Deletions Report* that notes added information as well as revisions to the standard form text is available from the author and should be reviewed. A vertical line in the left margin of this document indicates where the author has added necessary information and where the author has added to or deleted from the original AIA text.

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

The parties should complete A101[™]-2017, Exhibit A, Insurance and Bonds, contemporaneously with this Agreement. AIA Document A201[™]-2017, General Conditions of the Contract for Construction, is adopted in this document by reference. Do not use with other general conditions unless this document is modified.

TABLE OF ARTICLES

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3	DATE OF COMMENCEMENT AND SUBSTANTIAL COMPLETION
4	CONTRACT SUM
5	PAYMENTS
6	DISPUTE RESOLUTION
7	TERMINATION OR SUSPENSION
8	MISCELLANEOUS PROVISIONS
9	ENUMERATION OF CONTRACT DOCUMENTS

EXHIBIT A INSURANCE AND BONDS

ARTICLE 1 THE CONTRACT DOCUMENTS

The Contract Documents consist of this Agreement, Conditions of the Contract (General, Supplementary, and other Conditions), Drawings, Specifications, Addenda issued prior to execution of this Agreement, other documents listed in this Agreement, and Modifications issued after execution of this Agreement, all of which form the Contract, and are as fully a part of the Contract as if attached to this Agreement or repeated herein. The Contract Documents also include the bidding requirements (advertisement or invitation to bid and Instructions to Bidders). Unless specifically enumerated in the agreements, the Contract Documents do not include sample forms and the Contractor's Bid. The Contract represents the entire and integrated agreement between the parties hereto and supersedes prior negotiations, representations, or agreements, either written or oral. An enumeration of the Contract Documents, other than a Modification, appears in Article 9.

ARTICLE 2 THE WORK OF THIS CONTRACT

The Contractor shall fully execute the Work described in the Contract Documents, except as specifically indicated in the Contract Documents to be the responsibility of others.

ARTICLE 3 DATE OF COMMENCEMENT AND SUBSTANTIAL COMPLETION

§ 3.1 The date of commencement of the Work shall be:

(Check one of the following boxes.)

- ☐ The date of this Agreement.
- ☒ Any time after a notice to proceed is issued by the Owner. It is anticipated that work can start in December of 2019 pending the vacation of the current use of the building, but no later than January 6, 2020.
- ☐ Established as follows:
(Insert a date or a means to determine the date of commencement of the Work.)

If a date of commencement of the Work is not selected, then the date of commencement shall be the date of this Agreement.

§ 3.2 The Contract Time shall be measured from the date of commencement of the Work.

Init.

§ 3.3 Substantial Completion

§ 3.3.1 Subject to adjustments of the Contract Time as provided in the Contract Documents, the Contractor shall achieve Substantial Completion of the entire Work:

(Check one of the following boxes and complete the necessary information.)

☐ Not later than () calendar days from the date of commencement of the Work.

☒ Not later than the following date: October 1, 2020. The contractor shall fully complete the project no later than November 1, 2020. Fully complete shall be defined as all punch list items and closeout submittals have been completed to the Architect and Owner's satisfaction. Should the Contractor fail to fully complete the work in this timeframe, liquidated damages of One Thousand Dollars (\$1,000.00) per calendar day will be assessed for work not completed within the designated Contract term(s)

§ 3.3.2 Subject to adjustments of the Contract Time as provided in the Contract Documents, if portions of the Work are to be completed prior to Substantial Completion of the entire Work, the Contractor shall achieve Substantial Completion of such portions by the following dates:

Portion of Work	Substantial Completion Date
-----------------	-----------------------------

§ 3.3.3 If the Contractor fails to achieve Substantial Completion as provided in this Section 3.3, liquidated damages, if any, shall be assessed as set forth in Section 4.5.

ARTICLE 4 CONTRACT SUM

§ 4.1 The Owner shall pay the Contractor the Contract Sum in current funds for the Contractor's performance of the Contract. The Contract Sum shall be Three Million Eight Hundred Six Thousand Two Hundred Dollars and Zero Cents (\$ 3,806,200.00), subject to additions and deductions as provided in the Contract Documents.

§ 4.2 Alternates

§ 4.2.1 Alternates, if any, included in the Contract Sum:

Item	Price
None	

§ 4.2.2 Subject to the conditions noted below, the following alternates may be accepted by the Owner following execution of this Agreement. Upon acceptance, the Owner shall issue a Modification to this Agreement. (Insert below each alternate and the conditions that must be met for the Owner to accept the alternate.)

Item	Price	Conditions for Acceptance
None		

§ 4.3 Allowances, if any, included in the Contract Sum:

(Identify each allowance.)

Item	Price
None	

§ 4.4 Unit prices, if any:

(Identify the item and state the unit price and quantity limitations, if any, to which the unit price will be applicable.)

Item	Units and Limitations	Price per Unit (\$0.00)
None		

§ 4.5 Liquidated damages, if any:

(Insert terms and conditions for liquidated damages, if any.)

Init.

It is understood and agreed that final completion of the entire project within the time stated in the Contract Agreement is a matter of vital necessity to the Owner, that the Owner will suffer damages if the entire project is not finally completed within that time, and that it would not be possible to accurately determine the amount of such damages. In view of these facts, the Contractor agrees to pay the Owner liquidated damages in the sum of *One Thousand Dollars (\$1,000)* for each calendar day, if any, which elapses between the final completion date stated in the Construction Agreement, as extended by any extensions of time under the provisions of the General Conditions of the Contract, and the date when the entire project is finally complete within the meaning of the General Conditions of the Contract. If the Contractor shall fail to pay such liquidated damages promptly upon demand therefor, the surety on his performance bond shall pay such damages. Also, the Owner may withhold all or any part of such liquidated damages from any payments due the Contractor. No changes in the work shall extend the time for completion unless set forth on a properly approved field order/change order.

(Paragraphs deleted)

ARTICLE 5 PAYMENTS

§ 5.1 Progress Payments

§ 5.1.1 Based upon Applications for Payment submitted to the Architect by the Contractor and Certificates for Payment issued by the Architect, the Owner shall make progress payments on account of the Contract Sum to the Contractor as provided below and elsewhere in the Contract Documents.

§ 5.1.2 The period covered by each Application for Payment shall be one calendar month ending on the last day of the month.

§ 5.1.3 The Ankeny City Council meets on the first and third Mondays of each month and requires that applications for payment be submitted ten (10) days prior to City Council Meetings. Provided that an Application for Payment is received by the Architect not later than the first day of a month, the Owner shall make payment of the amount certified to the Contractor not later than the fifteenth day of the following month. If an Application for Payment is received by the Architect after the application date fixed above, payment of the amount certified shall be made by the Owner not later than forty-five (45) days after the Architect receives the Application for Payment.
(Federal, state or local laws may require payment within a certain period of time.)

§ 5.1.4 Each Application for Payment shall be based on the most recent schedule of values submitted by the Contractor in accordance with the Contract Documents. The schedule of values shall allocate the entire Contract Sum among the various portions of the Work. The schedule of values shall be prepared in such form, and supported by such data to substantiate its accuracy, as the Architect may require. This schedule of values shall be used as a basis for reviewing the Contractor's Applications for Payment.

§ 5.1.5 Applications for Payment shall show the percentage of completion of each portion of the Work as of the end of the period covered by the Application for Payment.

§ 5.1.6 In accordance with AIA Document A201™–2017, General Conditions of the Contract for Construction, and subject to other provisions of the Contract Documents, the amount of each progress payment shall be computed as follows:

§ 5.1.6.1 The amount of each progress payment shall first include:

- .1 That portion of the Contract Sum properly allocable to completed Work;
- .2 That portion of the Contract Sum properly allocable to materials and equipment delivered and suitably stored at the site for subsequent incorporation in the completed construction, or, if approved in advance by the Owner, suitably stored off the site at a location agreed upon in writing; and
- .3 That portion of Construction Change Directives that the Architect determines, in the Architect's professional judgment, to be reasonably justified.

§ 5.1.6.2 The amount of each progress payment shall then be reduced by:

- .1 The aggregate of any amounts previously paid by the Owner;
- .2 The amount, if any, for Work that remains uncorrected and for which the Architect has previously withheld a Certificate for Payment as provided in Article 9 of AIA Document A201–2017;
- .3 Any amount for which the Contractor does not intend to pay a Subcontractor or material supplier, unless the Work has been performed by others the Contractor intends to pay;

Init.

- .4 For Work performed or defects discovered since the last payment application, any amount for which the Architect may withhold payment, or nullify a Certificate of Payment in whole or in part, as provided in Article 9 of AIA Document A201–2017; and
- .5 Retainage withheld pursuant to Section 5.1.7.

§ 5.1.7 Retainage

§ 5.1.7.1 For each progress payment made prior to Substantial Completion of the Work, the Owner may withhold the following amount, as retainage, from the payment otherwise due:

(Insert a percentage or amount to be withheld as retainage from each Application for Payment. The amount of retainage may be limited by governing law.)

Five percent (5%)

§ 5.1.7.1.1 The following items are not subject to retainage:

(Insert any items not subject to the withholding of retainage, such as general conditions, insurance, etc.)

§ 5.1.7.2 Reduction or limitation of retainage, if any, shall be as follows:

(If the retainage established in Section 5.1.7.1 is to be modified prior to Substantial Completion of the entire Work, including modifications for Substantial Completion of portions of the Work as provided in Section 3.3.2, insert provisions for such modifications.)

In accordance with Iowa Code Chapter 26 and AIA Document A201 General Conditions of the Contract for Construction.

§ 5.1.7.3 Except as set forth in this Section 5.1.7.3, upon Substantial Completion of the Work, the Contractor may submit an Application for Payment that includes the retainage withheld from prior Applications for Payment pursuant to this Section 5.1.7.

(Paragraphs deleted)

Retainage will be released 30 days after final completion.

§ 5.1.8 If final completion of the Work is materially delayed through no fault of the Contractor, the Owner shall pay the Contractor any additional amounts in accordance with Article 9 of AIA Document A201–2017.

§ 5.1.9 Except with the Owner's prior approval, the Contractor shall not make advance payments to suppliers for materials or equipment which have not been delivered and stored at the site.

§ 5.2 Final Payment

§ 5.2.1 Final payment, constituting the entire unpaid balance of the Contract Sum, shall be made by the Owner to the Contractor when

- .1 the Contractor has fully performed the Contract except for the Contractor's responsibility to correct Work as provided in Article 12 of AIA Document A201–2017, and to satisfy other requirements, if any, which extend beyond final payment; and
- .2 a final Certificate for Payment has been issued by the Architect.

§ 5.2.2 The Owner's final payment to the Contractor shall be made no later than 30 days after the issuance of the Architect's final Certificate for Payment.

§ 5.3 Interest

Payments due and unpaid under the Contract shall bear interest from the date payment is due at the rate stated below, or in the absence thereof, at the legal rate prevailing from time to time at the place where the Project is located.

(Insert rate of interest agreed upon, if any.)

%

ARTICLE 6 DISPUTE RESOLUTION

§ 6.1 Initial Decision Maker

The Architect will serve as the Initial Decision Maker pursuant to Article 15 of AIA Document A201–2017, unless the parties appoint below another individual, not a party to this Agreement, to serve as the Initial Decision Maker.

(If the parties mutually agree, insert the name, address and other contact information of the Initial Decision Maker, if other than the Architect.)

§ 6.2 Binding Dispute Resolution

For any Claim subject to, but not resolved by, mediation pursuant to Article 15 of AIA Document A201–2017, the method of binding dispute resolution shall be as follows:

(Check the appropriate box.)

☒ [X] Arbitration pursuant to Section 15.4 of AIA Document A201–2017

☐ [] Litigation in a court of competent jurisdiction

☐ [] Other *(Specify)*

If the Owner and Contractor do not select a method of binding dispute resolution, or do not subsequently agree in writing to a binding dispute resolution method other than litigation, Claims will be resolved by litigation in a court of competent jurisdiction.

ARTICLE 7 TERMINATION OR SUSPENSION

§ 7.1 The Contract may be terminated by the Owner or the Contractor as provided in Article 14 of AIA Document A201–2017.

§ 7.1.1 If the Contract is terminated for the Owner's convenience in accordance with Article 14 of AIA Document A201–2017, then the Owner shall pay the Contractor a termination fee as follows:

(Insert the amount of, or method for determining, the fee, if any, payable to the Contractor following a termination for the Owner's convenience.)

§ 7.2 The Work may be suspended by the Owner as provided in Article 14 of AIA Document A201–2017.

ARTICLE 8 MISCELLANEOUS PROVISIONS

§ 8.1 Where reference is made in this Agreement to a provision of AIA Document A201–2017 or another Contract Document, the reference refers to that provision as amended or supplemented by other provisions of the Contract Documents.

§ 8.2 The Owner's representative:

(Name, address, email address, and other information)

Paul Moritz
410 West First Street
Ankeny, IA 50023

§ 8.3 The Contractor's representative:

(Name, address, email address, and other information)

Jason Ceretti

Init.

3155 SE Miehle Drive
Suite 2
Grimes, IA 50111

§ 8.4 Neither the Owner's nor the Contractor's representative shall be changed without ten days' prior notice to the other party.

§ 8.5 Insurance and Bonds

§ 8.5.1 The Owner and the Contractor shall purchase and maintain insurance as set forth in AIA Document A201 2017, General Condition of the Contract for Construction.

§ 8.5.2 The Contractor shall provide bonds as set forth in AIA Document A201 2017, General Condition of the Contract for Construction.

(Paragraphs deleted)

ARTICLE 9 ENUMERATION OF CONTRACT DOCUMENTS

§ 9.1 This Agreement is comprised of the following documents:

- .1 AIA Document A101™–2017, Standard Form of Agreement Between Owner and Contractor
- .2 AIA Document A201™–2017, General Conditions of the Contract for Construction
(Insert the date of the E203-2013 incorporated into this Agreement.)

- .3 Drawings: See attached Document 00 00 15 List of Drawings.

- .6 Specifications: See attached Document 00 00 10 Table of Contents

- .7 Addenda, if any:

Number	Date	Pages
One	November 01, 2019	47
Two	November 7, 2019	36
Three	November 12, 2019	6

(Paragraphs deleted)

Portions of Addenda relating to bidding or proposal requirements are not part of the Contract Documents unless the bidding or proposal requirements are also enumerated in this Article 9.

- .8 Other Exhibits:
(Check all boxes that apply and include appropriate information identifying the exhibit where required.)

[X] AIA Document A201 - 2017 General Conditions of the Contract for Construction, as amended and included in the Project Manual.

(Row deleted)

- .9 Other documents, if any, listed below:

Init.

(List here any additional documents that are intended to form part of the Contract Documents. AIA Document A201™-2017 provides that the advertisement or invitation to bid, Instructions to Bidders, sample forms, the Contractor's bid or proposal, portions of Addenda relating to bidding or proposal requirements, and other information furnished by the Owner in anticipation of receiving bids or proposals, are not part of the Contract Documents unless enumerated in this Agreement. Any such documents should be listed here only if intended to be part of the Contract Documents.)

None

This Agreement entered into as of the day and year first written above.

OWNER *(Signature)*

Gary Lorenz, Mayor

(Printed name and title)

CONTRACTOR *(Signature)*

Jason Ceretti, Partner

(Printed name and title)

Init.

Additions and Deletions Report for AIA® Document A101™ – 2017

This Additions and Deletions Report, as defined on page 1 of the associated document, reproduces below all text the author has added to the standard form AIA document in order to complete it, as well as any text the author may have added to or deleted from the original AIA text. Added text is shown underlined. Deleted text is indicated with a horizontal line through the original AIA text.

Note: This Additions and Deletions Report is provided for information purposes only and is not incorporated into or constitute any part of the associated AIA document. This Additions and Deletions Report and its associated document were generated simultaneously by AIA software at 10:25:55 ET on 11/20/2019.

PAGE 1

AGREEMENT made as of the Nineteenth day of November in the year Two Thousand Nineteen

...

City of Ankeny
410 West First Street
Ankeny, IA 50023

...

(Name, legal status, address and other information)

Edge Commercial, LLC
3155 SE Miehe Drive
Suite 2
Grimes, IA 50111

...

18078 Ankeny Public Services Library Remodel
1210 NW Prairie Ridge Drive
Ankeny, IA
Renovation of the existing Kirkendall Public Library into an office facility.

...

Savage-Ver Ploeg & Associates, Inc. dba SVPA Architects Inc.
1466 28th Street, Suite 200
West Des Moines, IA 50266

PAGE 2

The Contract Documents consist of this Agreement, Conditions of the Contract (General, Supplementary, and other Conditions), Drawings, Specifications, Addenda issued prior to execution of this Agreement, other documents listed in this Agreement, and Modifications issued after execution of this Agreement, all of which form the Contract, and are as fully a part of the Contract as if attached to this Agreement or repeated herein. The Contract Documents also include the bidding requirements (advertisement or invitation to bid and Instructions to Bidders). Unless specifically enumerated in the agreements, the Contract Documents do not include sample forms and the Contractor's Bid. The Contract represents the entire and integrated agreement between the parties hereto and supersedes prior negotiations, representations, or agreements, either written or oral. An enumeration of the Contract Documents, other than a Modification, appears in Article 9.

...

[] — A date set forth in X] Any time after a notice to proceed is issued by the Owner. It is anticipated that work can start in December of 2019 pending the vacation of the current use of the building, but no later than January 6, 2020.

PAGE 3

[] — By the following date: X] Not later than the following date: October 1, 2020. The contractor shall fully complete the project no later than November 1, 2020. Fully complete shall be defined as all punch list items and closeout submittals have been completed to the Architect and Owner's satisfaction. Should the Contractor fail to fully complete the work in this timeframe, liquidated damages of One Thousand Dollars (\$1,000.00) per calendar day will be assessed for work not completed within the designated Contract term(s)

§ 4.1 The Owner shall pay the Contractor the Contract Sum in current funds for the Contractor's performance of the Contract. The Contract Sum shall be Three Million Eight Hundred Six Thousand Two Hundred Dollars and Zero Cents (\$ 3,806,200.00), subject to additions and deductions as provided in the Contract Documents.

None

None

None

None

PAGE 4

It is understood and agreed that final completion of the entire project within the time stated in the Contract Agreement is a matter of vital necessity to the Owner, that the Owner will suffer damages if the entire project is not finally completed within that time, and that it would not be possible to accurately determine the amount of such damages. In view of these facts, the Contractor agrees to pay the Owner liquidated damages in the sum of One Thousand Dollars (\$1,000) for each calendar day, if any, which elapses between the final completion date stated in the Construction Agreement, as extended by any extensions of time under the provisions of the General Conditions of the Contract, and the date when the entire project is finally complete within the meaning of the General Conditions of the Contract. If the Contractor shall fail to pay such liquidated damages promptly upon demand therefor, the surety on his performance bond shall pay such damages. Also, the Owner may withhold all or any part of such liquidated damages from any payments due the Contractor. No changes in the work shall extend the time for completion unless set forth on a properly approved field order/change order.

§ 4.6 Other:

(Insert provisions for bonus or other incentives, if any, that might result in a change to the Contract Sum.)

§ 5.1.2 The period covered by each Application for Payment shall be one calendar month ending on the last day of the month, or as follows:

month.

§ 5.1.3 The Ankeny City Council meets on the first and third Mondays of each month and requires that applications for payment be submitted ten (10) days prior to City Council Meetings. Provided that an Application for Payment is received by the Architect not later than the first day of a month, the Owner shall make payment of the amount certified to the Contractor not later than the fifteenth day of the following month. If an Application for Payment is received by the Architect after the application date fixed above, payment of the amount certified shall be made by the Owner not later than forty-five (45) days after the Architect receives the Application for Payment.

PAGE 5

Five percent (5%)

...

In accordance with Iowa Code Chapter 26 and AIA Document A201 General Conditions of the Contract for Construction.

§ 5.1.7.3 Except as set forth in this Section 5.1.7.3, upon Substantial Completion of the Work, the Contractor may submit an Application for Payment that includes the retainage withheld from prior Applications for Payment pursuant to this Section 5.1.7. ~~The Application for Payment submitted at Substantial Completion shall not include retainage as follows:~~

~~(Insert any other conditions for release of retainage upon Substantial Completion.)~~

Retainage will be released 30 days after final completion.

...

§ 5.2.2 The Owner's final payment to the Contractor shall be made no later than 30 days after the issuance of the Architect's final Certificate for ~~Payment~~, or as follows:

Payment.

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[X] Arbitration pursuant to Section 15.4 of AIA Document A201-2017

...

Paul Moritz
410 West First Street
Ankeny, IA 50023

...

Jason Ceretti
3155 SE Miehle Drive
Suite 2
Grimes, IA 50111

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§ 8.5.1 The Owner and the Contractor shall purchase and maintain insurance as set forth in AIA Document A101™ 2017, Standard Form of Agreement Between Owner and Contractor where the basis of payment is a Stipulated Sum, Exhibit A, Insurance and Bonds, and elsewhere in the Contract Documents. ~~A201 2017, General Condition of the Contract for Construction.~~

§ 8.5.2 The Contractor shall provide bonds as set forth in AIA Document A101™ 2017 Exhibit A, and elsewhere in the Contract Documents, A201 2017, General Condition of the Contract for Construction.

§ 8.6 Notice in electronic format, pursuant to Article 1 of AIA Document A201 2017, may be given in accordance with AIA Document E203™ 2013, Building Information Modeling and Digital Data Exhibit, if completed, or as otherwise set forth below:

(If other than in accordance with AIA Document E203 2013, insert requirements for delivering notice in electronic format such as name, title, and email address of the recipient and whether and how the system will be required to generate a read receipt for the transmission.)

§ 8.7 Other provisions:

...

- ~~.2~~ AIA Document A101™ 2017, Exhibit A, Insurance and Bonds
- ~~.3~~ AIA Document A201™ 2017, General Conditions of the Contract for Construction
- ~~.4~~ AIA Document E203™ 2013, Building Information Modeling and Digital Data Exhibit, dated as indicated below:
(Insert the date of the E203-2013 incorporated into this Agreement.)

...

- ~~.5~~ Drawings, ~~.3~~ Drawings: See attached Document 00 00 15 List of Drawings.

- ~~.6~~ Specifications: See attached Document 00 00 10 Table of Contents

Number	Title	Date
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- ~~.6~~ Specifications, ~~.7~~ Addenda, if any:

Section	Title	Date	Pages
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<u>Number</u>	<u>Date</u>	<u>Pages</u>
One	November 01, 2019	47
Two	November 7, 2019	36
Three	November 12, 2019	6

- ~~.7~~ Addenda, if any:

Number	Date	Pages
--------	------	-------

...

☐ ~~_____ AIA Document E204™ 2017, Sustainable Projects Exhibit, dated as indicated below:
(Insert the date of the E204 2017 incorporated into this Agreement.)~~

☐ ~~_____ The Sustainability Plan:~~

Title	Date	Pages
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☐ ~~_____ Supplementary and other Conditions of the Contract:~~

☒ AIA Document A201 - 2017 General Conditions of the Contract for Construction, as amended
and included in the Project Manual.

Document	Title	Date	Pages
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None

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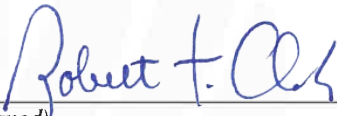
Gary Lorenz, Mayor

Jason Ceretti, Partner

Certification of Document's Authenticity

AIA® Document D401™ – 2003

I, Robert T. Ormsby, AIA, Vice President | Secretary, hereby certify, to the best of my knowledge, information and belief, that I created the attached final document simultaneously with its associated Additions and Deletions Report and this certification at 10:25:55 ET on 11/20/2019 under Order No. 6877490835 from AIA Contract Documents software and that in preparing the attached final document I made no changes to the original text of AIA® Document A101™ – 2017, Standard Form of Agreement Between Owner and Contractor where the basis of payment is a Stipulated Sum, as published by the AIA in its software, other than those additions and deletions shown in the associated Additions and Deletions Report.


(Signed)

Vice President | Secretary
(Title)

November 20, 2019
(Dated)

DOCUMENT 00 00 15
LIST OF DRAWINGS

GENERAL

G001 COVER SHEET
G002 CODE PLAN

CIVIL

C100 TITLE SHEET
C101 PROJECT INFORMATION
C102 EXISTING SITE SURVEY
C103 DEMOLITION PLAN
C200 DIMENSION PLAN
C300 GRADING PLAN
C400 PLANTING PLAN
C500-C510 NW PRAIRIE RIDGE DRIVE WIDENING

STRUCTURAL

S001 GENERAL NOTES
S101 FOOTING AND FOUNDATION PLAN
S102 ROOF FRAMING PLAN
S501 SECTIONS AND DETAILS

ARCHITECTURAL

AD100 DEMOLITION PLAN
A100 FLOOR PLAN
A101 BASEMENT PLAN & PARTIAL DEMOLITION PLAN
A200 BUILDING ELEVATIONS
A300 BUILDING SECTIONS
A301 CANOPY SECTIONS
A400 ENLARGED FLOOR PLANS
A401 INTERIOR ELEVATIONS
A402 RECEPTION DESK & LOBBY ELEVATIONS & DETAILS
A403 RECEPTION DESK DETAILS
A404 MILLWORK DETAILS
A501 DETAILS
A601 DOOR AND WINDOW ELEVATIONS
A602 ROOM FINISH KEY & SCHEDULES
A700 REFLECTED CEILING PLAN
A701 REFLECTED CEILING PLAN
A800 FLOOR FINISH PLAN
A801 FURNITURE PLAN – FOR REFERENCE ONLY

MECHANICAL

M000 MECHANICAL SYMBOL LEGEND & GENERAL NOTES
MD100 BASEMENT – HVAC DEMOLITION
MD101 MAIN FLOOR – HVAC DEMOLITION
MD102 MAIN FLOOR – HVAC PIPING DEMOLITION
M001 MECHANICAL SITE PLAN
M100 BASEMENT – HVAC
M101 MAIN FLOOR – HVAC
M102 ROOF - MECHANICAL
M300 MECHANICAL DETAILS

October 21, 2019

M301 MECHANICAL DETAILS
M400 MECHANICAL CONTROLS
M401 MECHANICAL CONTROLS
M500 MECHANICAL SCHEDULES
M501 MECHANICAL SCHEDULES
H100 BASEMENT – HVAC PIPING
H101 MAIN FLOOR – HVAC PIPING

PLUMBING

PD001 UNDERFLOOR – PLUMBING DEMO
PD100 BASEMENT – PLUMBING DEMOLITION
PD101 MAIN FLOOR – PLUMBING DEMOLITION
P001 UNDERFLOOR – PLUMBING
P100 BASEMENT – PLUMBING
P101 MAIN FLOOR – PLUMBING
P300 PLUMBING DETAILS
P301 PLUMBING DETAILS
P500 PLUMBING SCHEDULES

FIRE PROTECTION

FP100 BASEMENT – FIRE PROTECTION
FP101 MAIN FLOOR – FIRE PROTECTION

ELECTRICAL

E000 ELECTRICAL GENERAL NOTES AND SYMBOLS
ED100 BASEMENT ELECTRICAL DEMOLITION
ED200 MAIN FLOOR POWER DEMOLITION
ED300 MAIN FLOOR LIGHTING DEMOLITION
E001 ELECTRICAL SITE PLAN
E100 BASEMENT ELECTRICAL
E200 MAIN FLOOR LIGHTING
E300 MAIN FLOOR POWER
E400 ELECTRICAL DETAILS
E500 ONE-LINE DIAGRAM
E600 SCHEDULES
E601 SCHEDULES
E602 SCHEDULES

TECHNOLOGY

T100 MAIN FLOOR COMMUNICATIONS
T101 BASEMENT COMMUNICATIONS
T200 MAIN FLOOR SAFETY AND SECURITY
T201 BASEMENT SAFETY AND SECURITY
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T401 TECHNOLOGY DETAILS
T402 TECHNOLOGY DETAILS
T403 TECHNOLOGY DETAILS

**SECTION 00 00 10
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PROCUREMENT AND CONTRACTING DOCUMENTS GROUP

DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS

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00 00 10	Table of Contents	6
00 00 15	List of Drawings	2
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Facility Construction Subgroup

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DIVISION 12 - FURNISHINGS

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Facility Services Subgroup

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23 05 23	General Duty Valves for HVAC Piping	6
23 05 29	Hangers and Supports for HVAC Piping and Equipment	6
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26 05 26	Grounding and Bonding for Electrical Systems	3
26 05 29	Hangers and Supports for Electrical Systems	3
26 05 33	Raceways and Boxes for Electrical Systems	7
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26 05 44	Sleeves and Sleeve Seals for Electrical Raceways and Cablings	3
26 05 53	Identification for Electrical Systems	4
26 09 23	Lighting Control Devices	3
26 22 13	Low-Voltage Distribution Transformers	6
26 24 16	Panelboards	7
26 27 26	Wiring Devices	6
26 28 13	Fuses	3
26 28 16	Enclosed Switches and Circuit Breakers	6
26 29 23	Variable-Frequency Motor Controllers	8
26 32 13	Engine Generators	13
26 36 00	Transfer Switches	10
26 43 13	Surge Protection for Low-Voltage Electrical Power Circuits	3
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27 05 05	Selective Demolition of Communications Systems	5
27 05 26	Grounding and Bonding for Communications Systems	7
27 05 44	Sleeves and Sleeve Seals for Communications Pathways and Cabling	5
27 05 53	Identification for Communications Systems	5
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27 41 00	Audio-Visual Systems	6
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28 13 16	Security Management System	27
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28 46 00	Fire Detection and Alarm System	13

Site and Infrastructure Subgroup

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31 23 00	Excavation and Fill	6
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October 21, 2019

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November 01, 2019

ADDENDUM NUMBER ONE
To Contract Documents for:
ANKENY PUBLIC SERVICES LIBRARY REMODEL
SVPA Project No. 18078

DATE: November 1, 2019

ARCHITECT:

SVPA ARCHITECTS INC.

1466 28th Street, Suite 200
West Des Moines, IA 50266
515.280.2429 515.327.5991 FAX
Contact: Danielle Williams
E-MAIL: d-williams@svpa-architects.com

STRUCTURAL ENGINEER:

TOMETICH ENGINEERING

10501 Buena Vista Court
Urbandale, IA 50322
515.280.8022 515.727.9124 FAX
Contact: Carl Stump
cjs@tometich-engineering.com

MEP ENGINEER:

KCL ENGINEERING

300 4th Street
West Des Moines, IA 50265
515.724.7938
Electrical Contact:
Neil Smeenk, nsmeenk@kclengineering.com
Mechanical Contact:
Josh Sieglaff, jsieglaff@kclengineering.com

CIVIL ENGINEER :

SNYDER & ASSOCIATES

2727 SW Snyder Blvd.
Ankeny, IA 50023
515.964.2020
Contact: Don Marner
dpmarner@snyder-associates.com

This addendum is issued to modify, clarify, or amend the original Project Manual and /or Drawings and is hereby made part of the Contract Documents dated October 21, 2019. The Contractor shall be responsible for incorporating items in this Addendum to the Work. Attach this addendum to the Project Manual(s) in your possession. Acknowledge receipt of this Addendum by number where indicated on the Bid Form. Failure to do so may subject Bidder to disqualification. The following shall take precedence over anything to the contrary in the Project Manual, in the Drawings, or in prior Addenda

This Addendum consists of (6) pages and the following attachments:

- (4) Page Pre-Bid Meeting Notes and Sign In Sheets
- (2) Page Re-Issued Notice to Bidders and Notice of Public Hearing
- (1) Page Re-Issued Document 00 42 10 Construction Progress Schedule
- (9) Page New Section 23 74 23
- (19) Full Size Revised Drawings S101, S102, S501, AD100, A1100, A200, A300, A301, A302, A401, A402, A403, A501, A601, A602, A700, A701, A800, M101

PRE BID MEETING/QUESTIONS/CLARIFICATIONS

1. A pre-bid meeting was held on October 28, 2019. A copy of the notes and sign-in sheets is attached to this Addendum.
2. **Question:** Is AISC certification required for the steel scope on this project? **Answer:** For the non AECS steel members a non AISC certified shop can provide the steel, but special inspection for the steel fabrication would be needed (any welding or bolting done in the shop would need to be inspected as if they were done in the field). If an AISC certified shop is used for both, special inspections are not required for the steel fabrication that is done in the shop. See last paragraph on our general notes sheet under SPECIAL-INSPECTIONS & TESTING SCHEDULE. The structural engineer would like to keep the AECS fabrication in an AISC certified shop for quality control and appearance of connection/welds.

CHANGES TO THE PROCUREMENT DOCUMENTS

1. Notice to Bidders and Notice of Public Hearing

- A. This document is re-issued in its entirety and attached to this addendum.
- B. ******NOTE The Bid Date has been REVISED to November 14, 2019****.**

2. Document 00 42 10 Construction Progress Schedule

- A. This document is re-issued in its entirety and attached to this Addendum.
 - 1. Substantial Completion date has been changed to October 1, 2019 to match the Notice to Bidders.
 - 2. Final Completion date has been changed to November 1, 2019 to match the Notice to Bidders.

PRODUCT APPROVALS

Preliminary approvals of products are indicative of the general acceptability of the product based on the quality, manufacturer's and representative's integrity, availability of service and similar general considerations. Final approval will be contingent upon compliance with detailed Specifications.

Section	Product	Manufacturer
101100 Visual Display Surfaces	Markerboards, Tackboards	ASI Group
107300 Polycarbonate Canopy	Crystal Structures/Palram	Sunshine Rooms
Plumbing Fixture Schedule	Shower Mixing Valve	Willoughby Industries
Plumbing Fixture Schedule	Wall Drain Box	Willoughby Industries
Intrusion Detection	Control Panel	Bosch
Intrusion Detection	Control Panel	Siemens Desigo FC2025

Extron is approved Large Meeting Room Audio/Video system equipment. Contractor is responsible for providing system that meets intended functionality

Section	NOT APPROVED Product	Manufacturer
072716 Fluid Applied Air Barrier	Barrithane VP	CCW
107300 Polycarbonate Canopy	WeatherShade Mono Canopy	Solutions in Polycarbonate

CHANGES TO THE SPECIFICATIONS

1. 08 71 00 Door Hardware

- A. Hardware Set Schedule
 - 1. **ADD** door 008 to Set 15.0
 - 2. **ADD** door 015 to Set 15.0
 - 3. **DELETE** door 051 from Set 8.0
 - 4. **ADD** door 049 to Set 8.0
 - 5. **ADD** door 054B to Set 14.0
 - 6. **REMOVE** door 052 from set 14.
 - 7. **REMOVE** door 053 from set 15.0

2. 10 14 19 Dimensional Letter Signage

- A. **ADD** Paragraph 1.1.A.2. to read, "Interior Signage"
- B. **ADD** Paragraph 3.2.D. to read, "Interior Signage above reception desks. 6" high letters. See plans for text.

3. 23 21 16 Hydronic Piping Specialties

- A. **REVISE** 30% Ethylene Glycol to be 25% propylene glycol.

4. 23 74 23 Dedicated Outdoor Air Unit Water Source Heat Pump

- A. **ADD** this Section in its entirety, attached to this Addendum.
- 5. **28 13 16 Security Management System**
 - A. **CLARIFY** that the RS2 Access It! System is Version 6.4.0.4.
- 6. **28 20 00 Video Management System**
 - A. **REVISE** Paragraph 2.01.A to read as follows: "Extend the Owner's existing software and hardware solution:".
- 7. **28 46 00 Fire Detection and Alarm System**
 - A. **ADD** 2.01 F to read as follows: "System shall be capable of monitoring a minimum of 100 detectors."
 - B. **REPLACE** Paragraph D Voice/Tone Notification Appliances with the following:
 - D. **Horns: Signaling horn complying with UL 464. The word "FIRE" shall be printed in minimum 1-inch-high letters on the device**
 - 1. Located the horns for fire alarm notification to provide a tone 15dB above ambient noise and meet the requirements of the "Notification Appliances" chapter in NFPA 72.
 - 2. Mounting: Flush for all wall and ceiling locations. Surface mount shall be allowed only where noted on plans.
 - C. **DELETE** Paragraph 2.11 Device Guards.
 - D. **REVISE** Paragraph 2.10 to read as follows:
 - 2.10 REMOTE ANNUNCIATOR**
 - A. General
 - 1. Shall be a supervised display containing a minimum of 4 lines of 20 characters for alarm annunciation in clear English text.
 - 2. Message shall identify building number, floor, zone, etc., and devices description and status (pull station, smoke detector, waterflow alarm or trouble condition).
 - 3. The display shall be UL listed for fire alarm application.

CHANGES TO THE DRAWINGS

- 1. **S101 FOOTING AND FOUNDATION PLAN**
 - A. Revise plan notes per attached full-size sheet S101
 - B. Revise canopy footings per attached full-sized sheet S101
- 2. **S102 ROOF FRAMING PLAN**
 - A. Revise canopy framing per attached full-size sheet S102
 - B. W24x62 beam has been trimmed to show that it stops at new column along GL 4. See attached full-size sheet S102
 - C. Head and lintel along GL 6 has been deleted. See attached full-sized sheet S102
- 3. **S501 SECTIONS AND DETAILS**
 - A. Revise CANOPY SECTION 1/S501 per attached full-size sheet S501
 - B. Add detail 12/S501 CURVED TUBE CONNECTION per attached full-size sheet S501
- 4. **AD100 DEMOLITION FLOOR PLAN**
 - A. **Demolition Floor Plan**
 - 1. **REVISE** area of trellis demolition.
 - 2. **ADD** note 34 to plan
 - 3. **ADD** note 21 to Traffic Control room.
 - 4. **ADD** existing bookcases to be demolished to plan; **ADD** note 7
 - 5. **ADD** note 5 to plan in back corridor.
 - B. **Demolition Key Notes**

November 01, 2019

1. **ADD** note 34
 2. **REVISE** note 28
 3. **REVISE** note 14.
5. **A100 FLOOR PLAN**
- A. **REVISE** size of single occupant restrooms to align with furred out vestibule columns.
 - B. **ADD** furring to existing brick columns at vestibule 001 and above to under side of exterior storefront above.
 - C. **REVISE** intercom note at door 001B.
6. **A200 BUILDING ELEVATIONS**
- A. **ADD** note M. to E01 Key notes to read: "M. Clean cast stone sills to remove all mold/mildew"
 - B. **DELETE** detail references 14/A501 and 15/A501 from sheet.
7. **A300 BUILDING SECTIONS**
- A. Section 1/A300
 1. **REVISE** gyp. bd. around operable partition.
 2. **REVISE** note "10" metal stud framing with 1/2" plywood lid" to omit "1/2" in all locations.
8. **A302 WALL SECTION**
- A. Detail 1/A302 & 2/A302
 1. **REVISE** note to change plywood lid to 5/8" in lieu of 3/4".
 - B. Detail 3/A302
 1. **REVISE** entire detail.
9. **A401 INTERIOR ELEVATIONS**
- A. Enlarged Plan 14/A401
 1. **REVISE** size of single occupant restrooms. All TBAs and fixtures have adjusted accordingly.
 - B. Elevation 15/A401
 1. **REVISE** elevation based on room size adjustment.
10. **A402 RECEPTION DESK AND LOBBY ELEVATIONS**
- A. Elevation 1/A402
 1. **REVISE** elevation where interior storefront meets exterior storefront.
 - B. Elevation 2/A402
 1. **REVISE** elevation at both sided of interior storefront and millwork kiosk.
 - C. Elevation 3/A402
 1. **REVISE** elevation to show furring on wall.
 - D. **Enlarged Plan 14/A402**
 1. **REMOVE** note "Recessed track, see spec."
 - E. Enlarged Plan 14/A402
 1. **REMOVE** note "Recessed track, see spec."
11. **A403 RECEPTION DESK DETAILS**
- A. Detail 1/A403
 1. **REVISE** bullet resistant glass information.
 - B. Detail 2/A403
 1. **REVISE** bullet resistant glass information.
 - C. Detail 3/A403
 1. **REVISE** detail to include bulkhead detail.
 - D. Detail 5A403
 1. **REVISE** bullet resistant glass information.
 - E. Detail 6/A403
 1. **REVISE** bullet resistant glass information.

12. **A501 Details**

- A. Detail 1/A501
 - 1. **REVISE** stud walls around partition.

13. **A601 DOOR AND WINDOW ELEVATIONS**

- A. Window Frame Types 3/A601
 - 1. **ADD** note to W1 to read "New glazed aluminum storefront" & "Bullet Resistant glass at doors 001A & 001B."
- B. Door Schedule
 - 1. **REVISE** door 017C from "HM" to "WD"
 - 2. **REMOVE** note "3" from door 035A
- C. Wall Types
 - 1. **ADD** wall type "6"

14. **A602 ROOM FINISH KEY & SCHEDULE**

- A. Room Finish Schedule
 - 1. **ADD** note "3" to rooms 029 & 031.

15. **A700 REFLECTED CEILING PLAN**

- A. Reflected Ceiling Notes - 5
 - 1. **REVISE** note to read "Metal ceiling panels (ACT-3)" in lieu of "Perforated metal ceiling panel"
- B. Reflected Ceiling Notes -6
 - 1. **REVISE** note to read "Provide new 2" Compasso metal edge trim where ceiling panels were removed."
- C. Reflected Ceiling Plan
 - 1. **ADD** existing skylight to Open Office 3, this required the ceiling grid and lights to shift to accommodate.
 - 2. **ADD** note "3" to Hall 043.
 - 3. **REVISE** bulkhead size in Large Meeting 117 at the operable partition.
 - 4. **REVISE** detail callout tag "15/A501" to "8/A701".
 - 5. **ADD** detail marker 9/A701 to bulkhead by break room entrance.
 - 6. **ADD** detail marker 10/A701 to bulkhead above millwork in breakroom.
 - 7. **ADD** dimension to lights in breakroom bulkhead.
 - 8. **REVISE** ceiling at UNI R.R. and Hall 003 to reflect plan changes.
 - 9. **ADD** details 3/A403 to both reception bulkheads.
 - 10. **ADD** window type to clerestory windows in Open Office 3.
 - 11. **ADD** "W2" note to plan.

16. **A701 REFLECTED CEILING PLAN**

- A. Reflected Ceiling Plan
 - 1. **ADD** details at new lobby wall connection to exterior wall.
- B. Details 1/A701, 2/A701, 3/A701
 - 1. **REVISE** detail titles to read "Metal" in lieu of "Wood"
- C. Details 3/A701
 - 1. **REVISE** detail.
- D. Detail 6/A701
 - 1. **REVISE** detail.
- E. Detail 5/A701
 - 1. **REVISE** detail.
- F. Detail 7/A701
 - 1. **ADD** detail to sheet.
- G. Detail 8/A701
 - 1. **ADD** detail to sheet, removed it from A501 & **REVISE** detail.
- H. Detail 9/A701
 - 1. **ADD** detail to sheet.

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- I. Detail 10/A701
 - 1. **ADD** bulkhead detail for above millwork in break room.
- J. Detail 11/A701
 - 1. **ADD** detail to sheet, removed it from A501 & **REVISE** detail.
 - 2. **ADD** detail to sheet.

17. A801 FLOOR FINISH PLAN

- A. Floor Finish Plan
 - 1. **REVISE** floor pattern in UNI. RR to accommodate to restroom dimensions.

18. M101 – Main Floor – HVAC

- A. **REVISE** return air duct routing in Open Office 3 to avoid skylight.
- B. **REVISE** air terminal locations to avoid skylight.
- C. **REVISE** location of FCU-B19 to coordinate with light fixture.

19. E001 – Electrical Site Plan

- A. **REVISE** camera location near the entry drive to the nearest pole to the northeast.
- B. **REVISE** misspelled name in note 5: Tom Dozler.

20. T200 – Main Floor Safety and Security

- A. **ADD** note 6 to the cameras in the middle of the open office areas. Note 6 shall read: Security camera shall be mounted on a pole 5' below the ceiling to prevent glare and washout from the up-lighting.

END OF ADDENDUM 01

ANKENY PUBLIC SERVICES LIBRARY REMODEL
PRE-BID MEETING AGENDA AND NOTES
OCTOBER 28, 2019

1. Introductions:
 - A. Owner: City of Ankeny, Paul Moritz, Assistant City Manager
 - B. Architect: SVPA Architects Inc., Danielle Williams, Bob Ormsby
 - C. Consultants: KCL Engineering, Tometich Engineering, Snyder & Associates
2. Project Overview:
 - A. Description of the Work: Remodel of the existing Kirkendall Library with some miscellaneous exterior improvements, including a new entrance canopy.
3. Bidding Requirements:
 - A. Instructions to Bidders:
 1. Contractors should review the Advertisement for Bid and Supplementary Conditions to become familiar with the bidding procedures for the project.
 2. Where to obtain bid documents: Action Reprographics, www.actionrepro.com
 3. Submit questions to: Danielle Williams, d-williams@svpa-architects.com 515.280.2429. Oral clarifications not binding unless documented in an addendum.
 4. Submit substitution requests to SVPA as outlined in Project Manual.
 - B. Sales Tax Information:
 1. Project is exempt from State of Iowa Sales and Local Option Tax on building materials that will be incorporated into real property for this project.
 - a) Sales tax exemption certificates to be issued.
 2. If material purchased outside of State of Iowa and that state requires sales tax to be paid, include that price in their bid unless they are able to obtain sales tax refund from that state.
 - C. Bid Security: See Document 00 20 00 Instructions to Bidders, Paragraph I Bid Security.
 1. 5% bid security in form of certified check, cashier's check, share draft drawn on credit union, or Bid Bond. **If Bid Bond is selected, bidders must use the Bid Bond form included in the Project Manual.**
 2. Must be in separate sealed envelope clearly labeled "Bid Security".
 - D. Bid Form
 1. Bid Form:
 - a) May not be altered
 - b) May not be modified by exclusions or qualifications
 - c) One original bid form must be filled out in ink or signed by a person authorized by bidder.
 - E. Bid Submission:
 1. Bid Submission Packaging:
 - a) Follow instructions as noted in Document 00 20 00 Instructions to Bidders. Paragraph II. Submission of the Proposal and Identity of Bidder.

2. If Bid Security contains incomplete information or irregularities, the "Bid Form" envelope will not be opened.
3. Bids will be received until 10:30 a.m. November 12, 2019 at the Ankeny City Hall Reception Desk, 410 West First Street, Ankeny, IA. Bids received after that time will be returned unopened. Bids will be publicly opened and read aloud in the City Council Chambers at Ankeny City Hall.
4. General and Supplemental Conditions
 - a) Review and understand. These set forth rights, responsibilities, and relationships of the contract between the Owner and the Contractor.
 - b) Building Permit: Must be obtained by the contractor, but the fee will be waived by Owner. Documents have been turned in to the City.
 - c) Builders Risk Insurance: By Owner.
 - d) Miscellaneous Provisions. See Article 11.2 of the General Conditions for insurance covering Owner's contingent liability.
5. Performance and Payment Bonds
 - a) Successful contractor(s) required to provide 100% Performance and Payment Bond as condition of Contract award.
 - b) Cost of this premium to be included in bids.
6. General Conditions (AIA A201) and Form of Agreement (AIA A101).
- F. Division 1 - General Requirements
 1. Summary of Work:
 - a) Site Utilization
 - b) Work Restrictions: Site availability/staging
- G. Product Requirements
 1. Review specifications carefully for any special warranties that may be required, as well as when warranties commence. Many are from the date of Substantial Completion, not the date of purchase or installation.
- H. Contractor Questions/Discussion:
 1. What is the estimated cost of the project?
 - a) Answer: Last estimate at 75% CD was \$4 Million
 2. Substantial Completion and Final Completion date are incorrect in specification.
 - a) Answer: Will correct in ADD 01
 3. Discussed the potential that mobilization will not be able to start till after the first of the year due to new library schedule being delayed. If that is the case, a change order will be made to the documents to add those lost weeks to the end of the project schedule.
 4. Discussed changing the bid date to November 14th because of the Master Builders conference.



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1466 28th Street, Suite 200
West Des Moines, Iowa 50266

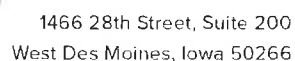
Project: #18078 Ankeny Public Services Library Remodel

PRE-BID MEETING SIGN IN

DATE: OCTOBER 28, 2019

ATTENDEES:

NAME	COMPANY	PHONE FAX	E-MAIL ADDRESS
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MARK BUTTERY	Tri City Electric	515 452 5919	mbuttery@tricityelectric.com
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PRE-BID MEETING SIGN IN

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NOTICE TO BIDDERS AND
NOTICE OF PUBLIC HEARING

ANKENY PUBLIC SERVICES LIBRARY REMODEL
CITY OF ANKENY, IOWA PUBLIC IMPROVEMENT PROJECT

Public Hearing on Proposed Contract Documents and Estimated Costs for Improvement

Notice is hereby given that a public hearing will be held by the **City of Ankeny, Iowa** on the proposed Contract Documents (plans, specifications, and form of contract) and estimated total cost for the **Ankeny Public Services Library Remodel** project at its meeting at **5:30 P.M. on the 18th Day of November, 2019** in the City Council Chambers, Ankeny City Hall, 410 West First Street, Ankeny, Iowa, 50023.

Time and Place for Filing Sealed Proposals

Sealed bids for the work comprising the improvements as stated below must be filed before **10:30 A.M.** according to the clock in said City Council Chambers on the **14th Day of November 2019**, at the reception desk in Ankeny City Hall, 410 West First Street, Ankeny, Iowa, 50023. Bids received after the deadline for submission of bids as stated herein shall not be considered and shall be returned to the late bidder unopened.

Time and Place Sealed Proposals Will be Opened and Considered

Sealed proposals will be opened by the City Clerk and bids tabulated at **10:30 A.M. on the 14th Day of November 2019**, in said City Council Chambers. Bids will be considered by the City of Ankeny City Council at its meeting at **5:30 P.M. on the 18th Day of November 2019**, in said City Council Chambers. The City Council may award a Contract at said meeting, or at such other time and place as shall then be announced.

Commencement of Work

Work on the improvement shall commence any time after a written Notice to Proceed is issued. It is anticipated that work can start in December of 2019 pending the vacation of the current use of the building, but no later than January 6, 2020. The work shall be completed as stated below.

Contract Documents

A copy of said plans, specifications, and form of contract, and estimated total cost is now on file in the office of the City Clerk and may be examined at Ankeny City Hall, 410 West First Street, Ankeny, Iowa, 50023. In addition, plans and specifications may be viewed at the following locations:

Master Builders of Iowa Construction Update: 221 Park Street, Des Moines, IA 50309
Reed Construction Data: 30 Technology Parkway South, Suite 500, Norcross, GA 30092
Omaha Builders Exchange: 4255 South 94th Street, Omaha, NE 68127

Paper and electronic copies of the Contract Documents are available from Action Reprographics, www.actionrepro.com, 515.288.2146, for a deposit of One Hundred Dollars (\$100.00) per set, made payable to the City of Ankeny. In lieu of fees, current MBI cards will be accepted. The fee is refundable, provided the following conditions are met: (1) The Contract Documents are returned complete and in a reusable condition, and (2) they are returned within fourteen (14) calendar days after the award of the project.

Preference of Products and Labor

By virtue of statutory authority, a preference will be given to products and provisions grown and coal produced within the State of Iowa.

In accordance with Iowa statutes, a resident bidder shall be allowed a preference as against a nonresident bidder from a state or foreign country if that state or foreign country gives or requires any preference to bidders from that state or foreign country, including but not limited to any preference to bidders, the imposition of any type of labor force preference, or any other form of preferential treatment to bidders or laborers from that state or foreign country. The preference allowed shall be equal to the preference given or required by the state or foreign country in which the nonresident bidder is a resident. In the instance of a resident labor force preference, a nonresident bidder shall apply the same resident labor force preference to a public improvement in this state as would be required in the construction of a public improvement by the state or foreign country in which the nonresident bidder is a resident.

Failure to submit a fully completed and accurate Bidder Status Form with the Proposal may result in the Proposal being deemed non-responsive and may result in the Proposal being rejected.

General Nature of the Public Improvement

ANKENY PUBLIC SERVICES LIBRARY REMODEL

The existing Kirkendall Public Library Building shall be remodeled into the new Ankeny Public Services Office Building. The interior of the building shall be demolished and rebuilt to accommodate four public service departments of the City. The scope of work includes all civil, landscape, architectural, mechanical, electrical and technology systems. The exterior of the building shall be maintained except for the front entrance canopy, which shall be reconstructed. A new parking lot will be constructed along with a new turn lane on the adjacent street. A new geothermal HVAC system and emergency generator will be included.

Bid Security

Each Bidder shall accompany its bid with bid security of five percent (5%) as defined in Iowa Code Section 26.8, as security that the successful Bidder will enter into a Contract for the work bid upon and will furnish after the award of Contract a corporate Surety Bond, in a form acceptable to the City of Ankeny, for the faithful performance of the Contract, in an amount equal to one hundred percent (100%) of the amount of the Contract. The Bidder's security shall be in the amount fixed in the Instructions to Bidders and shall be in the form of a cashier's check or a certified check drawn on an FDIC insured bank in Iowa or on an FDIC insured bank chartered under the laws of the United States; or a certified share draft drawn on a credit union in Iowa or chartered under the laws of the United States; or a Bid Bond on the form provided in the Contract Documents with corporate Surety satisfactory to the City of Ankeny. The bid shall contain no condition except as provided in the specifications.

The City of Ankeny reserves the right to defer acceptance of any bid for a period of thirty (30) calendar days after receipt of bids and no bid may be withdrawn during this period.

Performance and Payment Bond

Each successful Bidder will be required to furnish a corporate Surety Bond in an amount equal to one hundred percent (100%) of its Contract price. Said Bond shall be issued by a responsible Surety approved

by the City of Ankeny and shall guarantee the faithful performance of the Contract and the terms and conditions therein contained and shall guarantee the prompt payment of all material and labor, and protect and save harmless the City of Ankeny from claims and damages of any kind caused by the operations of the Contract.

Title VI Compliance

The City of Ankeny, Iowa, in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 U.S.C. §§ 2000d to 2000d-4) and the Regulations, hereby notifies all bidders that it will affirmatively ensure that any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full and fair opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

Payment

Payments will be made on the basis of estimates prepared by the Contractor and approved by the Architect, solely for the purpose of payment; approval by the Architect, or the City Council, shall not be deemed as approval or acceptance of the workmanship or materials. The Contractor will be compensated for 95% of the work completed during a payment period, with the remaining 5% being retained in accordance with the Iowa Code. Regular payments approved by the Architect will be made following the next scheduled City Council meeting. The retainage payment will be released following acceptance of the project by the City of Ankeny and the provisions stipulated in the Iowa Code.

Sales Tax Exemption

The City of Ankeny will issue a sales tax exemption certificate to the Contractor for all material purchased for incorporation into the project. Tax exemption certificates are applicable only for the specific project for which the tax exemption certificate is issued.

Pre-Bid Meeting

A Pre-Bid Meeting will be held on October 29, 2019 at 8:00 a.m., at the project location (Kirkendall Library Building at 1210 NW Prairie Ridge Drive in Ankeny). A tour of the existing building is included. Bidders are encouraged to attend.

Completion of Work

The Contractor shall substantially complete the project no later than October 1, 2020. Substantially complete shall be defined as the building being sufficiently complete to be used for its intended purpose.

The Contractor shall fully complete the project no later than November 1, 2020. Fully complete shall be defined as all punch list items and closeout submittals have been completed to the Architect and Owner's satisfaction. Should the Contractor fail to fully complete the work in this timeframe, liquidated damages of **One Thousand Dollars (\$1,000.00) per calendar day** will be assessed for work not completed within the designated Contract term(s).

The City of Ankeny does hereby reserve the right to reject any or all bids, to waive informalities, and to enter into such contract, or contracts, as it shall deem to be in the best interest of the City.

This Notice is given by authority of the City Council of the City of Ankeny, Iowa. Posted to the Iowa League of Cities and the Master Builders of Iowa websites the 30th day of October, 2019.

November 1, 2019

**DOCUMENT 00 42 10
CONSTRUCTION PROGRESS SCHEDULE**

PROJECT:

SUBMITTED TO:

LEGAL NAME OF BIDDER: _____

ADDRESS OF BIDDER: _____

The contractor shall agree to construction start and completion dates, per the attached Construction Schedule, for the work which is being bid.

Construction Schedule:

ITEM	DESCRIPTION / SCOPE OF WORK	EARLY/START	COMPLETION DATE
1.1	Pre-Bid Meeting		October 29, 2019
1.2	Bid Date		November 12, 2019
1.3	Prepare contracts / authorization to proceed	November 13, 2019	November 18, 2019
1.4	Approximate mobilization / construction start		January 6, 2020
1.5	Substantial Completion – Punch List ready		October 1, 2020

Final Completion: November 1, 2020

We have reviewed the progress requirements and schedule for the Ankeny Public Services Library Remodel project on the above and attached schedule and hereby endorse them with regard to the work we have bid.

Signature: _____

Printed Name:
Contractor Authorized Signature

Date: _____

END OF SECTION 00 42 10

SECTION 23 74 23

DEDICATED OUTDOOR AIR UNIT WATER SOURCE HEAT PUMP

PART 1 GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.02 SUMMARY

- A. This Section includes packaged, outdoor, central-station air-handling units (rooftop units) with the following components and accessories:
 - 1. Packaged outdoor air unit
 - 2. Heat exchanger
 - 3. Refrigeration components
 - 4. Direct-expansion cooling.
 - 5. Hot-gas reheat.
 - 6. Geo-thermal water source heat pump.
 - 7. Exhaust Fan
 - 8. Energy Recovery Ventilator

1.03 DEFINITIONS

- A. DDC: Direct-digital controls.
- B. ECM: Electrically commutated motor.
- C. Outdoor-Air Refrigerant Coil: Refrigerant coil in the outdoor-air stream to reject heat during cooling operations and to absorb heat during heating operations. "Outdoor air" is defined as the air outside the building or taken from outdoors and not previously circulated through the system.
- D. Outdoor-Air Refrigerant-Coil Fan: The outdoor-air refrigerant-coil fan in RTUs. "Outdoor air" is defined as the air outside the building or taken from outdoors and not previously circulated through the system.
- E. RTU: Rooftop unit. As used in this Section, this abbreviation means packaged, outdoor, central-station air-handling units. This abbreviation is used regardless of whether the unit is mounted on the roof or on a concrete base on ground.
- F. Supply-Air Fan: The fan providing supply air to conditioned space. "Supply air" is defined as the air entering a space from air-conditioning, heating, or ventilating apparatus.
- G. Supply-Air Refrigerant Coil: Refrigerant coil in the supply-air stream to absorb heat (provide cooling) during cooling operations and to reject heat (provide heating) during heating operations. "Supply air" is defined as the air entering a space from air-conditioning, heating, or ventilating apparatus.

1.04 ACTION SUBMITTALS

- A. Product Data: Include manufacturer's technical data for each RTU, including rated capacities, dimensions, required clearances, characteristics, furnished specialties, and accessories.
- B. Shop Drawings: Detail equipment assemblies and indicate dimensions, weights, loads, required clearances, method of field assembly, components, and location and size of each field connection.
 - 1. Wiring Diagrams: Power, signal, and control wiring.

1.05 INFORMATIONAL SUBMITTALS

- A. Coordination Drawings: Plans and other details, drawn to scale, on which the following items are shown and coordinated with each other, using input from installers of the items involved:
 - 1. Structural members to which RTUs will be attached.
- B. Field quality-control test reports.

- C. Warranty: Special warranty specified in this Section.

1.06 CLOSEOUT SUBMITTALS

- A. Operation and Maintenance Data: For RTUs to include in emergency, operation, and maintenance manuals.

1.07 QUALITY ASSURANCE

- A. ARI Compliance:
 - 1. Comply with ARI 203/110 and ARI 303/110 for testing and rating energy efficiencies for RTUs.
 - 2. Comply with ARI 270 for testing and rating sound performance for RTUs.
- B. ASHRAE Compliance:
 - 1. Comply with ASHRAE 15 for refrigeration system safety.
 - 2. Comply with ASHRAE 33 for methods of testing cooling and heating coils.
- C. ASHRAE/IESNA 90.1 Compliance: Applicable requirements in ASHRAE/IESNA 90.1, Section 6 - "Heating, Ventilating, and Air-Conditioning."
- D. NFPA Compliance: Comply with NFPA 90A and NFPA 90B.
- E. UL Compliance: Comply with UL 1995.
- F. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.

1.08 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to replace components of RTUs that fail in materials or workmanship within specified warranty period.
 - 1. Warranty Period for Compressors: Manufacturer's standard, but not less than five years from date of Substantial Completion.
 - 2. Warranty Period for Gas Furnace Heat Exchangers: Manufacturer's standard, but not less than 10 years from date of Substantial Completion.
 - 3. Refer to drawings for additional details.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. Trane
 - 2. York
 - 3. Valent

2.02 ENERGY RECOVERY VENTILATOR ERV-1

- A. PERFORMANCE REQUIREMENTS
 - 1. Cabinet Surface Condensation:
 - a. Cabinet shall have additional insulation and vapor seals if required to prevent condensation on the interior and exterior of the cabinet.
 - 2. Electrical components, devices, and accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
- B. CABINET
 - 1. Unit casing shall be constructed of zinc-coated, heavy gauge, galvanized steel. Exterior surfaces shall be cleaned, phosphatized, and finished with a weather-resistant baked enamel finish. Unit shall have a 2-inch thick Antimicrobial Insulation. All insulation edges shall be either captured or sealed. The unit's base pan shall have no penetrations within the perimeter of the curb other than the horizontal supply/return openings to provide an

added water integrity precaution, if the condensate drain backs up. The top cover shall be one piece construction or, where seams exist, it shall be double-hemmed and gasket-sealed. The ribbed top adds extra strength and enhances water removal from unit top.

2. The drain pan shall be single-walled, assembly made of Type 304 stainless steel. Pan shall slope in two planes and be fully drainable. Coils shall be mounted above the drain pan to allow easy inspection and cleaning of the drain pan.
3. Lifting and Handling Provisions: Factory-installed shipping skids and lifting lugs.
4. Access for Inspection, Cleaning, and Maintenance: Comply with requirements in ASHRAE 62.1.
 - a. Service Doors: Hinged access doors with gaskets. Material and construction of doors shall match material and construction of cabinet in which doors are installed.
5. Roof: Standing seam or membrane; sloped to drain water.
6. Surfaces in Contact with Airstream: Comply with requirements in ASHRAE 62.1 for resistance to mold and erosion.
7. Roof Curb/Concrete Pad Curb: Full-perimeter acoustical roof curb of sheet metal, minimum 20 inches high, with wood nailer, neoprene sealing strip, and welded Z-bar flashing.
 - a. Comply with requirements in "The NRCA Roofing Manual."

C. SUPPLY AND EXHAUST FAN

1. Plenum Fan Type: Single width, non-overloading, with backward-inclined or airfoil blades.
 - a. Fan Wheel Material: Aluminum; attached directly to motor shaft.
 - b. Fan Wheel Drive and Arrangement: Direct drive, AMCA Arrangement 4.
 - c. Fan panel and frame Material: Powder-coated steel, stainless steel, or aluminum.
 - d. Fan Enclosure: Easily removable enclosure around rotating parts.
 - e. Fan Balance: Precision balance fan below 0.08 inch/s at design speed with filter in.
2. Supply Fan motor shall be direct drive type with factory provided and installed Variable Frequency Drive. All motors shall be thermally protected. All indoor fan motors meet the U.S. Energy Policy Act of 2005 (EPACT).
3. Exhaust Fan motor shall be direct drive type with factory provided and installed Variable Frequency Drive set for constant volume operation. All motors shall be thermally protected. All fan motors shall meet the U.S. Energy Policy Act of 2005 (EPACT).
4. Motors:
 - a. Comply with NEMA designation, temperature rating, service factor, and efficiency requirements for motors specified in Section 230513 "Common Motor Requirements for HVAC Equipment."
5. Mounting: Fan wheel, motor, and drives shall be vibrationally isolated from fan casing.

D. REFRIGERATION SYSTEM

1. Comply with requirements in ASHRAE 15, "Safety Standard for Refrigeration Systems."
2. Refrigerant Charge: Factory charged with refrigerant and filled with oil.
3. Compressors: Direct-drive, hermetic, scroll type compressors with centrifugal type oil pumps. Motor shall be suction gas-cooled and shall have a voltage utilization range of plus or minus 10 percent of unit nameplate voltage. Internal overloads shall be provided with the scroll compressors. Each compressor has a crankcase heater to minimize the amount of liquid refrigerant present in the oil sump during off cycles. Primary compressor shall be digital scroll type for modulating capacity.
4. Refrigerant: R-410A.
 - a. Classified as Safety Group A1 according to ASHRAE 34.
 - b. Provide unit with operating charge of refrigerant.
5. Refrigeration System Specialties:
 - a. Expansion valve with replaceable thermostatic element.
 - b. Refrigerant dryer.
 - c. High-pressure switch.

- d. Low-pressure switch.
- e. Thermostat for coil freeze-up protection during low ambient temperature operation or loss of air.
- f. Brass service valves installed in discharge and liquid lines.
- 6. Dehumidification Control:
 - a. Unit to include modulating hot-gas reheat coil for control of continuous dehumidification.
 - b. Evaporator and Condenser Coils:
 - c. Capacity Ratings: Complying with ASHRAE 33 and ARI 410.
 - d. Tube Material: Copper.
 - e. Fin Material: Copper.
 - f. Fin and Tube Joint: Mechanical bond.
 - g. Leak Test: Coils shall be leak tested with air underwater.
 - h. Coating: Phenolic epoxy corrosion-protection coating after assembly.
- 7. Condenser Fan Assembly:
 - a. Fans: Direct-drive propeller type with statically and dynamically balanced fan blades.
 - b. Fan Motors:
 - 1) Comply with NEMA designation, temperature rating, service factor, and efficiency requirements for motors specified in Section 230513 "Common Motor Requirements for HVAC Equipment."
 - 2) Motor Enclosure: Totally enclosed non-ventilating (TENV) or totally enclosed air over (TEAO) enclosure.
 - 3) Enclosure Materials: Cast iron.
 - 4) Motor Bearings: Permanently lubricated bearings.
 - 5) Built-in overcurrent and thermal-overload protection.
 - 6) Efficiency: Premium efficient.
 - c. Fan Safety Guards: Steel with corrosion-resistant coating.
- 8. Safety Controls:
 - a. Compressor motor and condenser coil fan motor low ambient lockout.
 - b. Over-current protection for compressor motor.
- E. EVAPORATOR CONDENSOR
 - 1. Condenser coils shall be copper coaxial tube in tube design. Water flows through the inner tube while refrigerant flows in the annulus between inner and outer tubes.
 - 2. Coil to have convoluted multi-lead inner tube to increase heat transfer surface area, impart turbulence and improve thermal performance.
 - 3. The evaporator coil face and hot gas reheat coil shall be separated a minimum of six inches.
- F. Electric Wheel Preheat/Defrost
 - 1. Energy recovery wheel shall have SCR control electric preheat coil of fin-tubular construction. Electric preheat shall be down stream of OA pre-filters so as to prevent fouling of electric coil.
- G. ENERGY RECOVERY VENTILATOR
 - 1. Recovery section shall contain a rotating wheel heat exchanger composed of a rotating cylinder in an insulated cassette frame complete with seals, drive motor, and drive belt. The total energy recovery wheel shall be aluminum substrate with 4A molecular sieve descant. Polymer substrate is not allowed. Coated segments shall be washable with detergent or alkaline coil cleaner and water. Desiccant shall not dissolve nor deliquesce in the presence of water or high humidity.
 - 2. Accessible removable cassette slides out for serviceability.
- H. MODULATING ELECTRIC HEATING SECTION (PRE-HEATING)
 - 1. Unit to have fully modulating, SCR controlled electric heat. The primary heating section to include finned tubular heating elements.

2. Heater to be internal to the unit cabinet.
 3. Heater shall be UL / CSA listed and approved.
 4. Automatic and manual cut-outs, low voltage controls, air proving switch.
- I. OUTDOOR-AIR INTAKE HOOD
1. Type: Manufacturer's standard hood or louver.
 2. Materials: Match cabinet.
 3. Bird Screen: Comply with requirements in ASHRAE 62.1.
 4. Configuration: Designed to inhibit wind-driven rain and snow from entering unit.
 5. Indoor ERV shall have ductwork extended to intake and exhaust louvers as necessary.
- J. FILTERS
1. Cleanable Filters: 2-inch- thick, cleanable metal mesh and 2-inch thick pleated MERV 8 filters prior to evaporator coil.
- K. ELECTRICAL POWER CONNECTIONS
1. General Electrical Power Connection Requirements: Factory-installed and -wired switches, motor controllers, transformers, and other necessary electrical devices shall provide a single-point field power connection to unit.
 2. Enclosure: NEMA 250, Type 3R, mounted in unit with hinged access door in unit cabinet having a lock and key or padlock and key,
 3. Wiring: Numbered and color-coded to match wiring diagram.
 4. Wiring Location: Install factory wiring outside an enclosure in a raceway.
 5. Power Interface: Field power interface shall be to NEMA KS 1, heavy-duty, fused disconnect switch.
 6. Factory Wiring: Branch power circuit to each motor and to controls with one of the following disconnecting means:
 - a. NEMA KS 1, heavy-duty, fusible switch with rejection-type fuse clips rated for fuses. Select and size fuses to provide Type 2 protection according to IEC 60947-4-1.
 - b. NEMA KS 1, heavy-duty, nonfusible switch.
 - c. UL 489, motor-circuit protector (circuit breaker) with field-adjustable, short-circuit trip coordinated with motor locked-rotor amperes.
 7. Factory-Mounted, Overcurrent-Protection Service: For each motor.
 8. Transformer: Factory mounted with primary and secondary fuses and sized with enough capacity to operate electrical load plus spare capacity.
 9. Controls: Factory wire unit-mounted controls where indicated. ERV shall have factory equipped Johnson Controls controller(s). (REFER TO CONTROL DRAWINGS)
 10. Receptacle: Factory wire unit-mounted, ground fault interrupt (GFI) duplex receptacle.
 11. Control Relays: Auxiliary and adjustable time-delay relays.
- L. CONTROLS
1. Control equipment and sequence of operation are detailed on the drawings. Refer to drawings for points list and control sequences.
 2. Control Wiring: Factory wire connection for controls' power supply.
 3. Control Devices: Sensors, transmitters, relays, switches, detectors, operators, actuators, and valves shall be manufacturer's standard items to accomplish indicated control functions. Coordinate with TCC for internal points/devices to RTU. REFER TO CONTROLS DRAWINGS.
 4. Control Dampers:
 - a. Damper Location: Factory installed inside unit for ease of blade axle and bushing service. Arrange dampers located in a mixing box to achieve convergent airflow to minimize stratification.
 - b. Damper Leakage: Comply with requirements in AMCA 500-D. Leakage shall not exceed 6.5 cfm per sq. ft. at a static-pressure differential of 4.0 inches water column when a torque of 5 inch pounds per sq. ft. is applied to the damper jackshaft.
 - c. Damper Rating: Rated for close-off pressure equal to the fan shutoff pressure.

- d. Damper Label: Bear the AMCA seal for both air leakage and performance.
 - e. Blade Configuration: Unless otherwise indicated, use parallel blade configuration for two-position control and equipment isolation service and use modulating control when mixing two airstreams. For other applications, use an opposed-blade configuration.
 - f. Damper Frame Material: Extruded aluminum.
 - g. Blade Type: Single-thickness metal reinforced with multiple V-grooves.
 - h. Blade Material: Extruded aluminum.
 - i. Maximum Blade Width: 6 inches.
 - j. Maximum Blade Length: 48 inches.
 - k. Blade Seals: Replaceable, continuous perimeter vinyl seals and jambs with stainless-steel compression-type seals.
 - l. Bearings: Thrust bearings for vertical blade axles.
5. Damper Operators:
- a. Factory-installed electric operator for each damper assembly with one operator for each damper assembly mounted to the damper frame.
 - b. Operator capable of shutoff against fan pressure and able to operate the damper with sufficient reserve power to achieve smooth modulating action and proper speed of response at the velocity and pressure conditions to which the damper is subjected.
 - c. Maximum Operating Time: Open or close damper 90 degrees in 60 seconds.
 - d. Adjustable Stops: For both maximum and minimum positions.
 - e. Position Indicator and Graduated Scale: Factory installed on each actuator with words "OPEN" and "CLOSED," or similar identification, at travel limits.
 - f. Spring-return operator to fail-safe; either closed or open as required by application.
 - g. Operator Type: Direct coupled, designed for minimum 60,000 full-stroke cycles at rated torque.
 - h. Position feedback Signal: For remote monitoring of damper position.
 - i. Coupling: V-bolt and V-shaped, toothed cradle.
 - j. Circuitry: Electronic overload or digital rotation-sensing circuitry.
6. BAS Interface: Factory-installed hardware and software to enable the BAS to monitor, control, and display unit status and alarms.
- a. ASHRAE 135 (BACnet) communication interface with the BAS shall enable the BAS operator to remotely control and monitor the unit from an operator workstation. Control features and monitoring points displayed locally at unit control panel shall be available through the BAS.

M. ACCESSORIES

- 1. Factory disconnect switch. Coordinate fused/non-fused with electrician.
- 2. Duplex Receptacle: Factory mounted in unit supply-fan section, with 20 amp 120 V GFI duplex receptacle and weatherproof cover.
- 3. Filter switch.
- 4. Insulated plenum for horizontal discharge ducts

2.03 CAPACITIES AND CHARACTERISTICS

- A. As scheduled on the drawings.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of RTUs.
- B. Examine roughing-in for ERV to verify actual locations of piping and duct connections before equipment installation.
- C. Examine flooring for suitable conditions where ERV will be installed.
- D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 INSTALLATION

- A. Roof Curb: Install on concrete equipment pad, level and secure, according to NRCA's "Low-Slope Membrane Roofing Construction Details Manual," Illustration "Raised Curb Detail for Rooftop Air Handling Units and Ducts." Install RTU on curb and coordinate the supply and return ductwork connections with existing exterior ductwork. Secure RTUs to upper curb rail, and secure curb base to concrete equipment pad with anchor bolts.

3.03 CONNECTIONS

- A. Install condensate drain, minimum connection size, with trap and indirect connection to nearest roof drain or area drain. Install per requirements per local authority.
- B. Install hydronic piping and ductwork to allow service and maintenance.
- C. Duct installation requirements are specified in other HVAC Sections. Drawings indicate the general arrangement of ducts. The following are specific connection requirements:
 - 1. Install ducts to termination of existing air ducts and horizontal unit connections.
 - 2. Ductwork shall be side wall from unit to existing exterior ductwork. Refer to detail on drawings for additional information.
 - 3. Connect horizontal supply ducts to ERV with flexible duct connectors specified in Section 23 33 00 "Air Duct Accessories."
 - 4. Install horizontal return-air duct continuously from unit to existing.
 - 5. Install sound curb per manufacturer's recommendations. All connections to be thru flexible means.

3.04 FIELD QUALITY CONTROL

- A. Manufacturer's Field Service: Engage a factory-authorized service representative to inspect, test, and adjust components, assemblies, and equipment installations, including connections. Report results in writing.
- B. Perform tests and inspections and prepare test reports.
 - 1. Manufacturer's Field Service: Engage a factory-authorized service representative to inspect components, assemblies, and equipment installations, including connections, and to assist in testing. Report results in writing.
- C. Tests and Inspections:
 - 1. After installing ERV and after electrical circuitry has been energized, test units for compliance with requirements.
 - 2. Inspect for and remove shipping bolts, blocks, and tie-down straps.
 - 3. Operational Test: After electrical circuitry has been energized, start units to confirm proper motor rotation and unit operation.
 - 4. Test and adjust controls and safeties. Replace damaged and malfunctioning controls and equipment.
- D. Remove and replace malfunctioning units and retest as specified above.

3.05 STARTUP SERVICE

- A. Engage a factory trained service representative to perform startup service. Contractor startup is not acceptable.
- B. Complete installation and startup checks according to manufacturer's written instructions and do the following:
 - 1. Inspect for visible damage to unit casing.
 - 2. Inspect for visible damage to furnace combustion chamber.
 - 3. Inspect for visible damage to compressor, coils, and fans.
 - 4. Inspect internal insulation.
 - 5. Verify that labels are clearly visible.
 - 6. Verify that clearances have been provided for servicing.
 - 7. Verify that controls are connected and operable.

8. Verify that filters are installed.
9. Clean condenser coil and inspect for construction debris.
10. Remove packing from vibration isolators.
11. Inspect operation of barometric relief dampers.
12. Verify lubrication on fan and motor bearings.
13. Inspect fan-wheel rotation for movement in correct direction without vibration and binding.
14. Adjust fan belts to proper alignment and tension.
15. Start unit according to manufacturer's written instructions.
 - a. Start refrigeration system.
 - b. Do not operate below recommended low-ambient temperature.
 - c. Complete startup sheets and attach copy with Contractor's startup report.
16. Inspect and record performance of interlocks and protective devices; verify sequences.
17. Operate unit for an initial period as recommended or required by manufacturer.
18. Calibrate thermostats.
19. Adjust and inspect high-temperature limits.
20. Inspect outdoor-air dampers for proper stroke and interlock with return-air dampers.
21. Start refrigeration system and measure and record the following when ambient is a minimum of 15 deg F above return-air temperature:
 - a. Coil leaving-air, dry- and wet-bulb temperatures.
 - b. Coil entering-air, dry- and wet-bulb temperatures.
 - c. Outdoor-air, dry-bulb temperature.
 - d. Outdoor-air-coil, discharge-air, dry-bulb temperature.
22. Inspect controls for correct sequencing of heating, mixing dampers, refrigeration, and normal and emergency shutdown.
23. Measure and record the following minimum and maximum airflows. Plot fan volumes on fan curve.
 - a. Supply-air volume.
 - b. Return-air volume.
 - c. Relief-air volume.
 - d. Outdoor-air intake volume.
24. Simulate maximum cooling demand and inspect the following:
 - a. Compressor refrigerant suction and hot-gas pressures.
 - b. Short circuiting of air through condenser coil or from condenser fans to outdoor-air intake.
25. Verify operation of remote panel including pilot-light operation and failure modes. Inspect the following:
 - a. Low-temperature safety operation.
 - b. Filter high-pressure differential alarm.
 - c. Economizer to minimum outdoor-air changeover.
 - d. Relief-air fan operation.
 - e. Smoke and firestat alarms.
26. After startup and performance testing and prior to Substantial Completion, replace existing filters with new filters.

3.06 CLEANING AND ADJUSTING

- A. Occupancy Adjustments: When requested within 12 months of date of Substantial Completion, provide on-site assistance in adjusting system to suit actual occupied conditions. Provide up to two visits to site during other-than-normal occupancy hours for this purpose.
- B. After completing system installation and testing, adjusting, and balancing ERV and air-distribution systems, clean filter housings and install new filters.

3.07 DEMONSTRATION

- A. A factory-authorized service representative shall be available to train Owner's maintenance personnel to adjust, operate, and maintain ERV.

END OF SECTION 23 74 23

**SECTION 26 70 10
ELECTRIC HAND DRYER**

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Compact high speed surface mount ADA-compliant hand dryer.

1.2 RELATED SECTIONS

- A. Section 06100 - Rough Carpentry: Blocking in stud partitions for mounting hand dryers.
- B. Section 16100 - Wiring Methods: Electrical supply, conduit, wiring, boxes, and wiring devices for hand dryers.

1.3 REFERENCES

- A. Underwriter's Laboratory (UL): Labeled products.

1.4 SUBMITTALS

- A. Submit under provisions of Division 01.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Installation methods.
- C. Shop Drawings:
- D. Manufacturer's installation and maintenance instructions.
- E. Copy of warranty form for review by Architect.

1.5 QUALITY ASSURANCE

- A. Product Requirements: Hand dryers shall be certified by Underwriters Laboratory (UL), Inc. and shall bear UL labels.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

1.7 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

1.8 WARRANTY

- A. Manufacturer's Warranty: 5 year limited warranty for electric hand dryers to cover defects in material and workmanship.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Excel Dryer, Inc., which is located at: P.O. Box 365, 357 Chestnut Street; East Longmeadow, MA 01028; Toll Free Tel: 888-998-7025; Tel: 413-525-4531; Email: [request info \(sales@exceldryer.com\)](mailto:sales@exceldryer.com); Web: www.exceldryer.com.
- B. Requests for substitutions will be considered in accordance with provisions of Division 01.

2.2 ELECTRIC HAND DRYER

- A. Type: Surface mounted high speed ADA-compliant hand dryer shall incorporate a vandal resistant design that includes a metal cover with 2 vandal-proof locks screws and lock with special speed flow wrench as manufactured by Excel Dryer, Inc.
 - 1. Excel Hand Dryer Model No. TA-ABS
 - 2. World Dryer VERDEdri Series
 - 3. Machflow Speedflow series
- B. Performance Requirements:
 - 1. Operation: The dryer shall start automatically, and operate with no interruption as long as the hands are kept in the detection range of the sensor. The appliance shall stop 2 seconds after the hands are removed from the airflow.
 - 2. Air Speed: 16,000 lfm
 - 3. Temperature at 4 inches, 101 degrees F.
 - 4. Heating Element: 550 W
 - 5. Drying Time: 10 to 15 sec
 - 6. Safety: Automatic disconnection system after 60 seconds of continuous use. Self-resetable thermal cut-off at 180 degrees F (82 degrees C) which disconnect the whole appliance. Protection level against water splashes should be rating IP23.
 - 7. Unit shall be UL and CSA approved, according to UL 499 and CSA C22.2 standards and with ADA projection requirements.
 - 8. Sound Pressure Level (SPL): Noise level at 79 inches. 68 to 75 dB dependant on fan speed.
- C. Construction:
 - 1. Cover: One-piece cover fabricated from 1/16 inch steel:
 - a. Finish: Steel sheet 1/16 inch thick complying with ASTM A659 with white epoxy paint finish.
 - b. Cover to be field attached to base with vandal proof screws and locked with special key wrench.
 - c. Locate air outlet, intake, and operating sensor in bottom of cover.
 - d. Nominal Size: 8-29/32 inches wide by 13 11/16 inches high by 4 inches deep.
 - e. Weight: 8 pounds.
 - 2. Base: Fire resistant UL V0 plastic base, with (3) 7/8 inch holes for wall mounting.
 - 3. Motor: Through-flow discharge vacuum motor/blower, 20000 rpm, A class.
 - 4. R.P.M.: 20,000.

5. Voltage: 120 V.
6. Frequency: 60 Hz.
7. Power Consumption: 8A (120 V).
8. Isolation: Class I Grounding required.
9. Fully adjustable 2 inches to 8 inches infrared electronic detection sensor by means of a potentiometer. Sensors shall have a polycarbonate viewing window.
10. Fan: Fire resistant plastic UL 94-V0 fan scroll. Aluminum centrifugal double asymmetrical inlet fan wheel.
11. White finish.

PART 3 - EXECUTION

3.1 COORDINATION

- A. Coordinate requirements for blocking to ensure adequate means for support and installation of hand dryers.
- B. Coordinate requirements for power supply, conduit, disconnect switches, and wiring.
- C. Coordinate dryer installation with application of wall finishes.

3.2 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.3 INSTALLATION

- A. Comply with manufacturer's written installation instructions and approved shop drawings.
- B. Mount dryers at heights indicated on Drawings and approved shop drawings.
- C. Install bases securely to supporting substrate so that dryers are level and aligned with each other. Anchor with fasteners of type and size recommended by manufacturer for type of wall substrate.
- D. Install dryers with recess mounting kits such that maximum projection from wall surface is 4 inches in compliance with ICC/ANSI A117.1. Anchor box in rough wall opening with fasteners of type and size recommended by manufacturer. When cover is installed over dryer, ensure that joint between box and wall finish is concealed.

3.4 CLEANING, TESTING, AND DEMONSTRATING

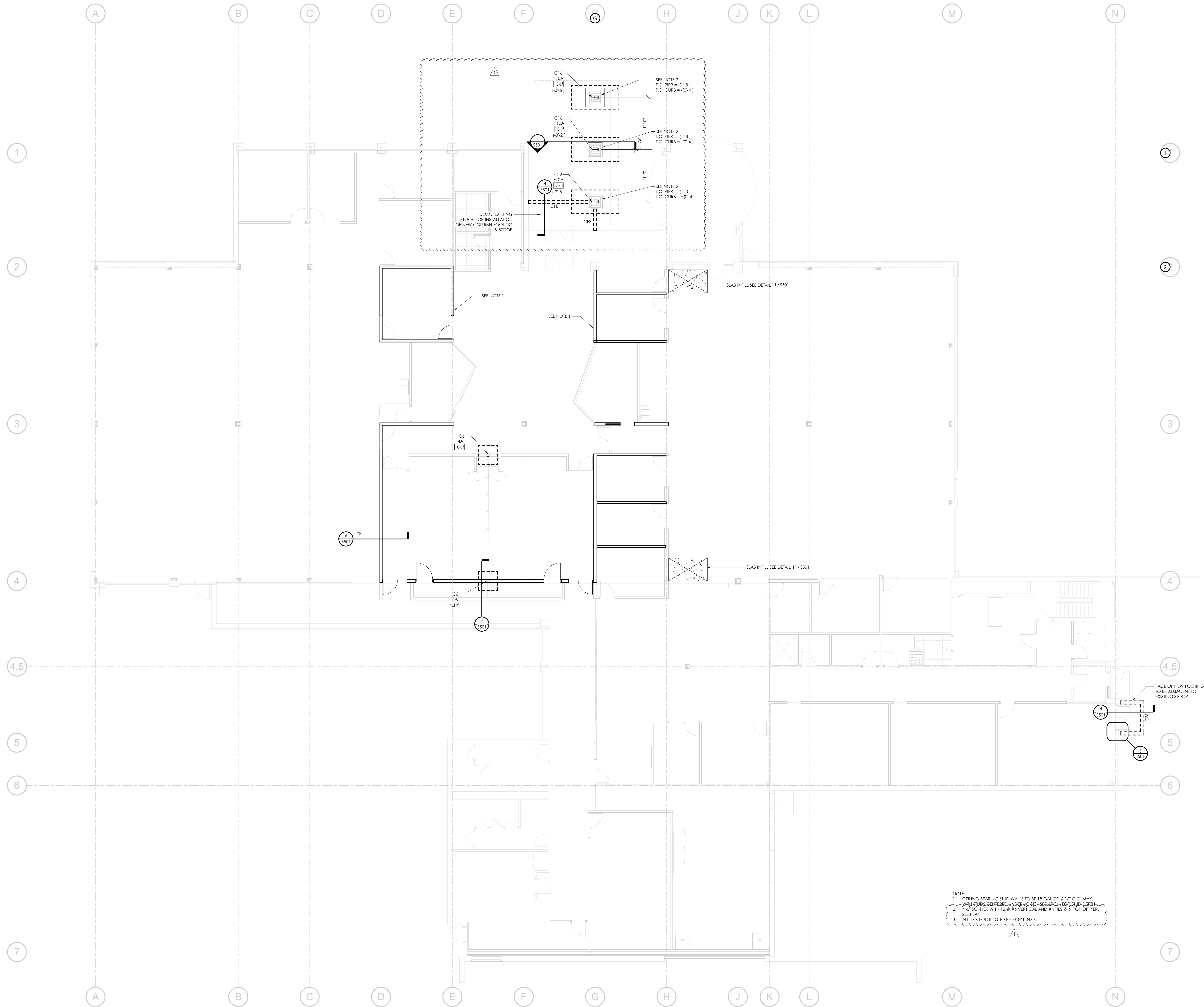
- A. Remove protective wrappings. Clean surfaces with mild soap solution. Do not use abrasives.
- B. Inspect installed dryers to verify mounting is rigid and electrical connections are proper. Test each dryer to verify operation and performance. Correct deficiencies.
- C. Protect dryers from remaining construction activities. Immediately remove and replace dryers that are damaged.
- D. Demonstrate operation and maintenance to Owner's representative.

3.5 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION 26 70 10

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FOOTING AND FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

ISSUANCE

100% CONSTRUCTION DOCUMENTS
10/21/2019

PRINCIPAL CJS
DESIGNER WDM

REVISIONS

11/01/2019 ADD. 1

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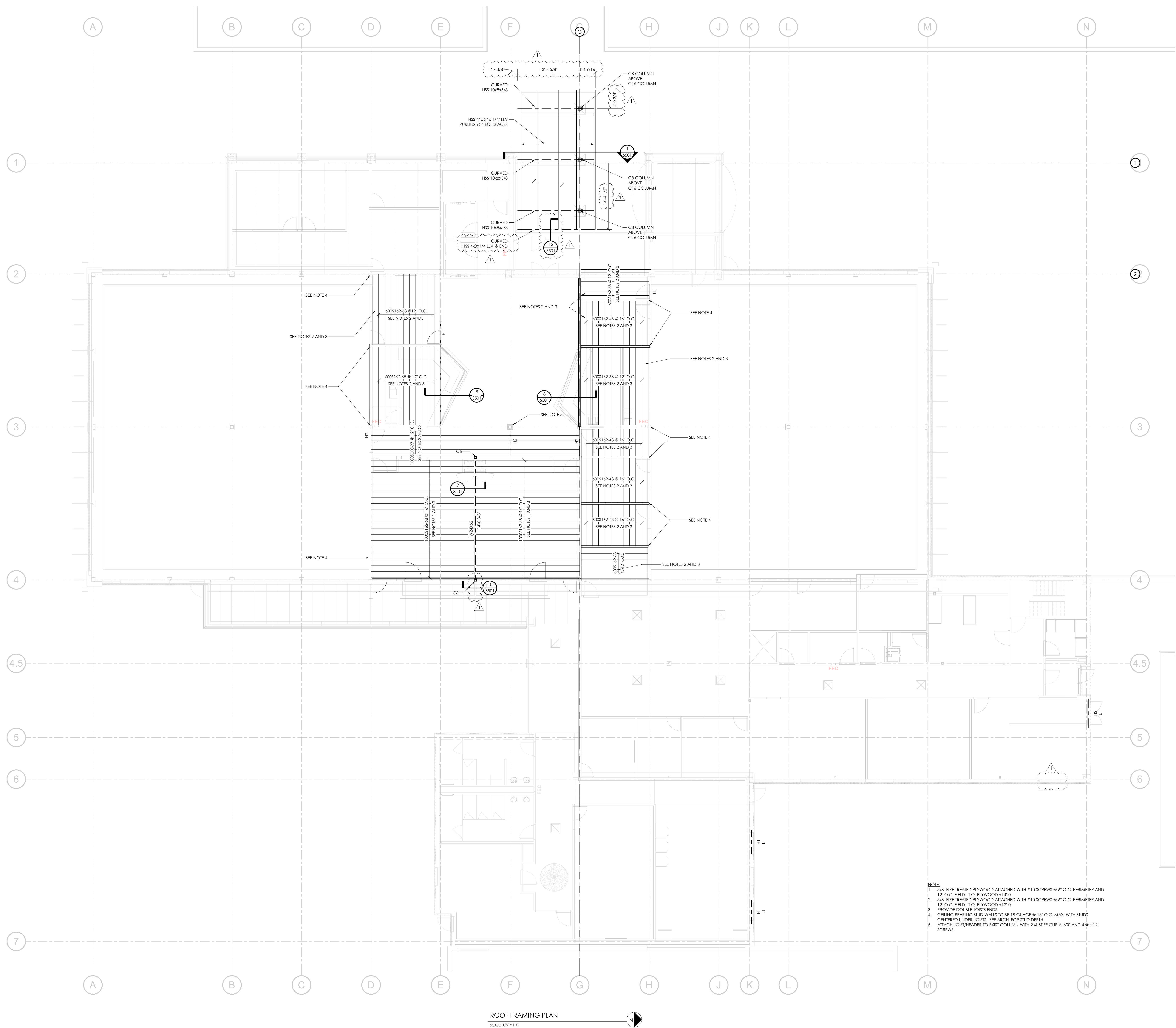
FOOTING AND
FOUNDATION PLAN

S101

CITY OF ANKENY
410 W. 1ST STREET
ANKENY, IA 50021

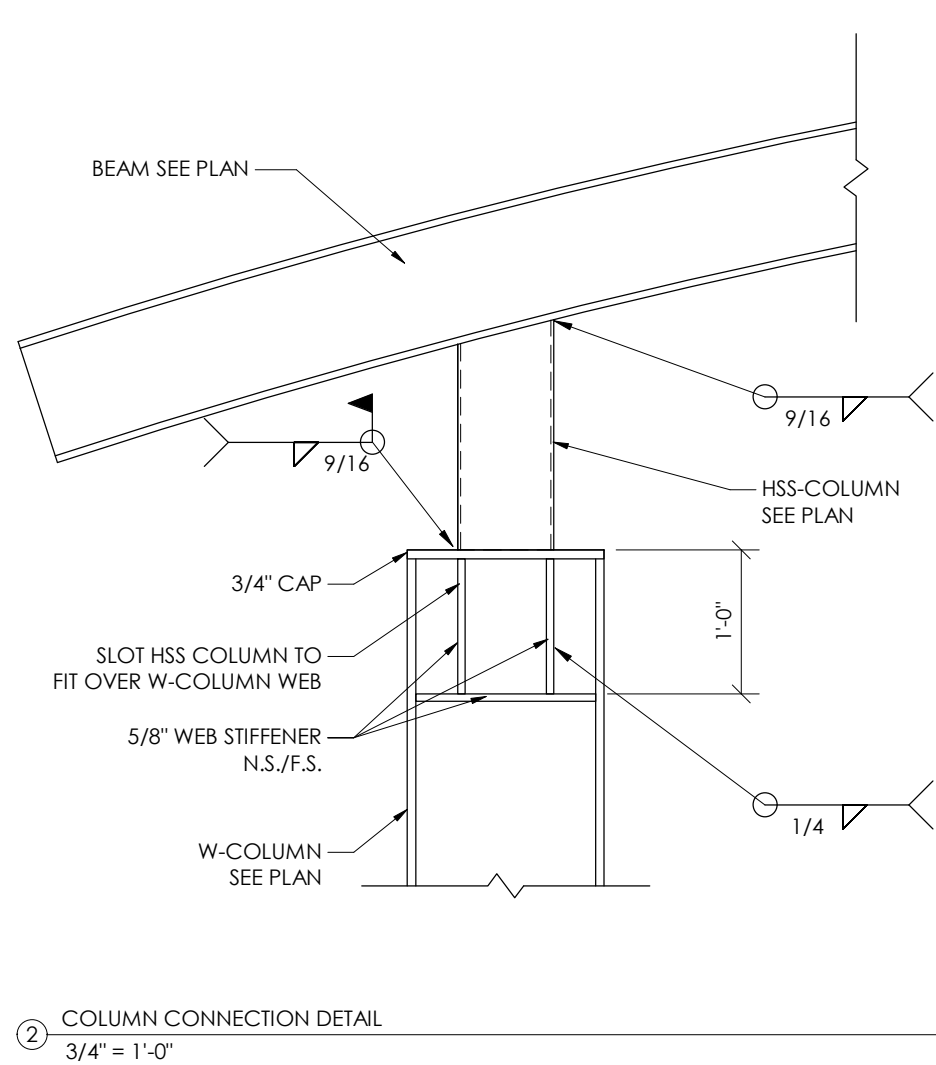
11/01/2019 ADD. 1

S102



410 W. 1ST STREET
ANKENY, IA 50021

S501

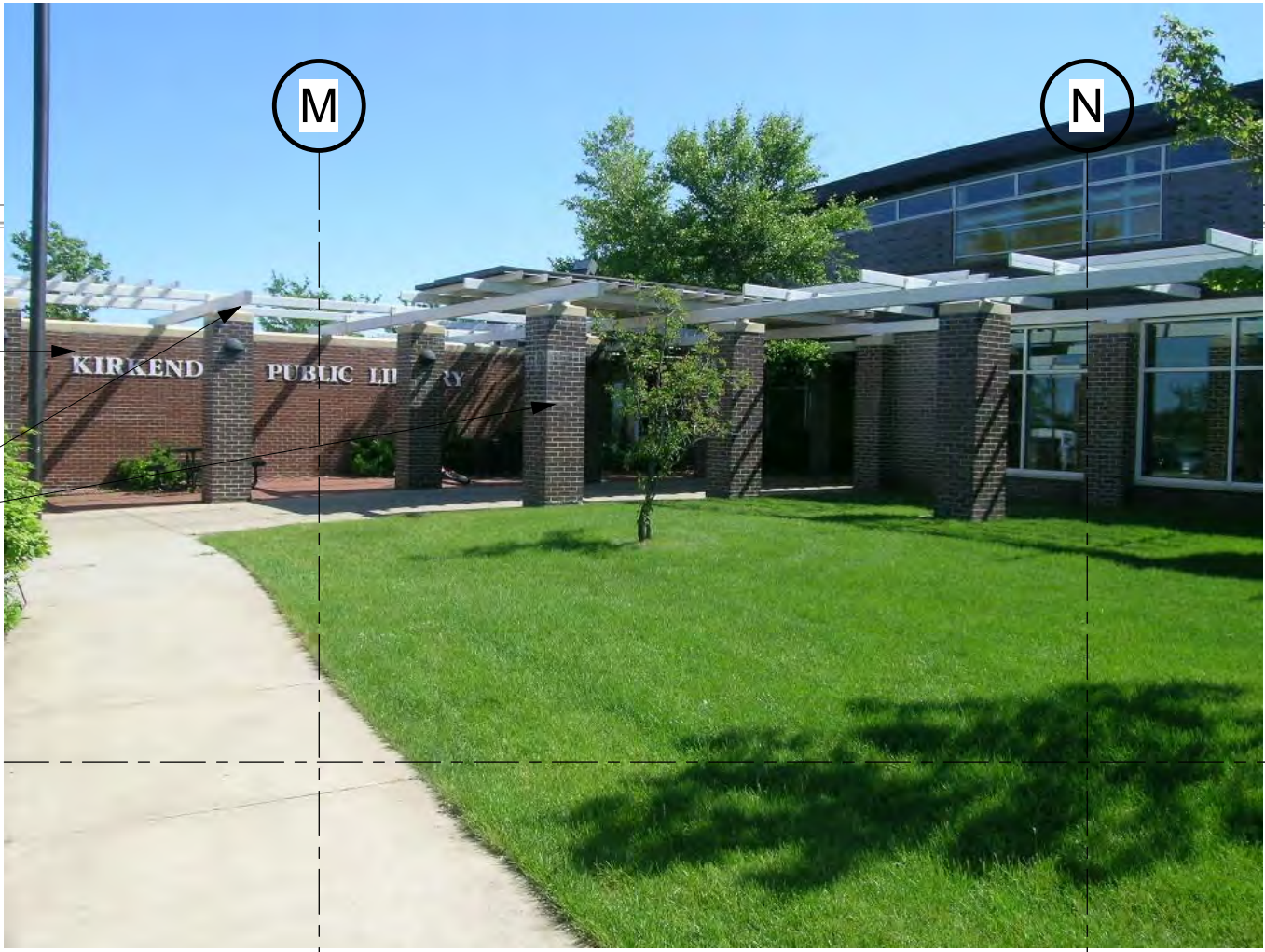
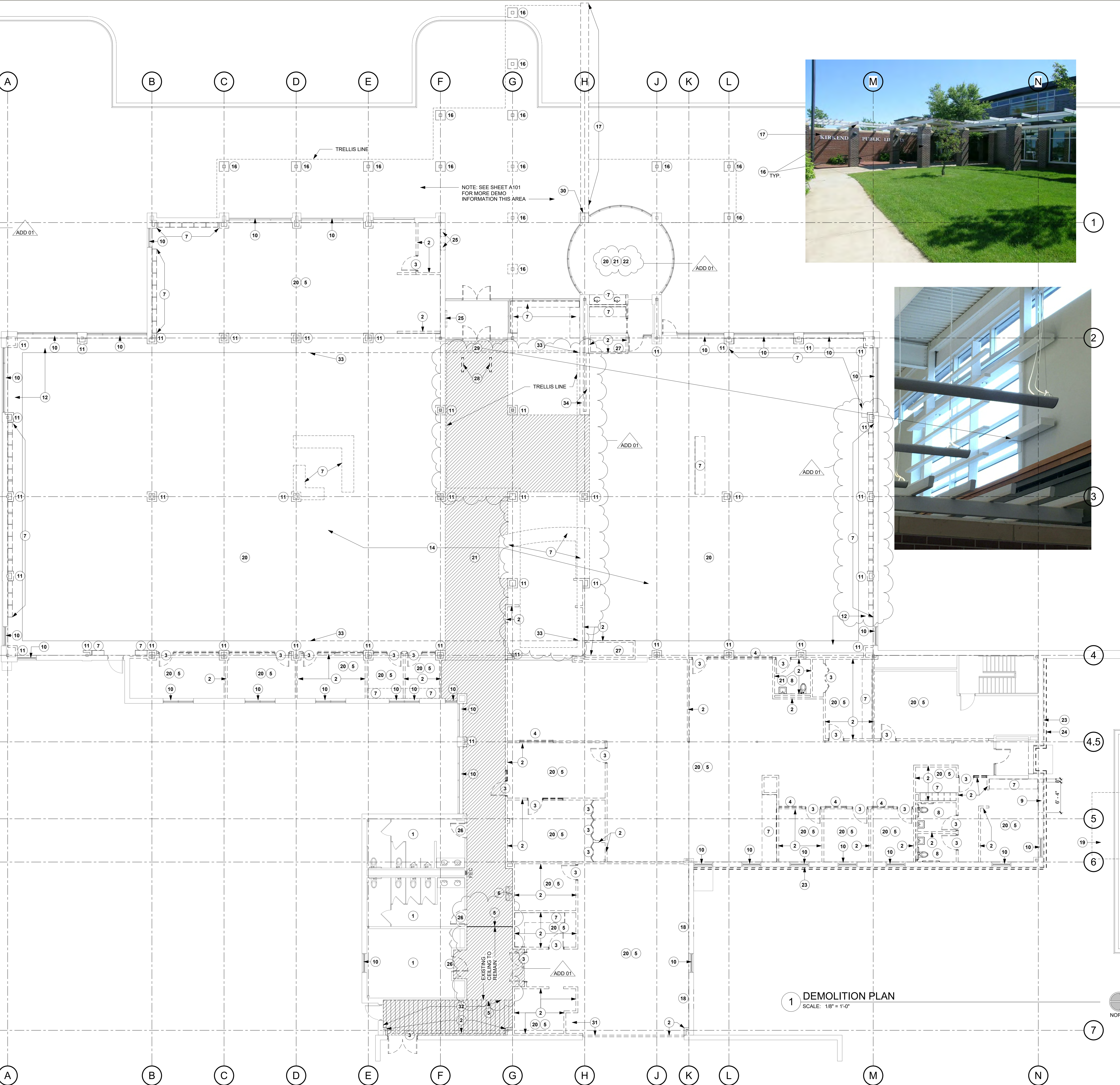


DEMOLITION NOTES

- 1 AREA TO REMAIN. NO WORK.
- 2 DEMOLISH ALL METAL STUD FRAMING, GYPSUM BOARD PARTITIONS, AND ALL ASSOCIATED COMPONENTS SHOWN AS DASHED.
- 3 DEMOLISH ALL DOORS, FRAMES, SIDELIGHTS AND ALL ASSOCIATED COMPONENTS.
- 4 DEMOLISH ALL WINDOWS AND ALL ASSOCIATED COMPONENTS.
- 5 DEMOLISH ALL ACOUSTICAL CEILING TILE AND GRID.
- 6 REMOVE DRINKING FOUNTAIN, SALVAGE FOR REUSE.
- 7 DEMOLISH MILLWORK AND ALL ASSOCIATED COMPONENTS. REPAIR DAMAGE TO EXISTING WALLS.
- 8 REMOVE ALL TOILET FIXTURES, SINK, AND ACCESSORIES.
- 9 DEMOLISH EXISTING PORTION OF EXTERIOR WALL, AND PREPARE FOR NEW DOOR.
- 10 REMOVE ALL EXISTING WOOD WINDOW SILLS AND REPLACE WITH SOLID SURFACE SILLS.
- 11 REMOVE WOOD BASE TO EXISTING COLUMNS.
- 12 EXISTING SOFFIT TO REMAIN
- 13 REMOVE EXISTING WOOD TRIM FROM SOFFIT, PATCH AND REPAIR.
- 14 EXISTING CEILING GRID IN HIGH SPACE TO REMAIN. REMOVE ALL CEILING TILES. REMOVE ALL LIGHT FIXTURES. DEMOLISH CEILING GRID AND TILE FROM GRIDS "F" TO "H" AND FROM GRIDS "2" TO "3". DEMOLISH TO THE NEAREST FULL TIE. SEE A101 FOR MORE INFORMATION.
- 15 REMOVE ALL EXTERIOR SEALANT FROM EXISTING WINDOWS OPENINGS AND RE-CAULK. REMOVE ALL GLAZING SEALANTS AND REPLACE WITH NEW GLAZING SEALANT.
- 16 REMOVE EXISTING BRICK MASONRY COLUMNS, STRUCTURAL STEEL COLUMNS AND FOOTINGS AND ALL OVERHEAD STEEL TRELLIS.
- 17 REMOVE EXISTING BRICK MASONRY WALL AND FOOTINGS UP TO 2'-0" OF EXISTING STOREFRONT.
- 18 REMOVE PORTION OF EXTERIOR WALL AND PREPARE FOR NEW WINDOW.
- 19 DEMOLISH EXISTING TRASH ENCLOSURE AND REPLACE WITH NEW STRUCTURE.
- 20 REMOVE EXISTING CARPET. PREPARE FOR NEW.
- 21 REMOVE EXISTING PORCELAIN TILE AND ALL ASSOCIATED COMPONENTS.
- 22 DEMOLISH EXISTING GYP. BD. CEILING
- 23 REMOVE EXISTING PERIMETER SEAL AND BACKER COMPLETELY FROM EXISTING PAVING TO BUILDING WALL JOINT. INSTALL NEW BACKER ROD & SEALANT INTO JOINT
- 24 ONCE EXISTING PAVEMENT IS REMOVED, EXCAVATE 2'-0" BELOW FLOOR AND REMOVE EXISTING BOARD INSULATION. INSTALL NEW WATERPROOFING TO TIE INTO EXISTING AT -2'-0" BELOW FLOOR AND EXTEND WATERPROOFING OVER BRICK MASONRY TO JUST BELOW PAVING. INSTALL NEW BOARD INSULATION OF SAME THICKNESS AS EXISTING. THEN PROVIDE BACKER ROD AND SEALANT AS STATED IN NOTE 23.
- 25 REMOVE EXISTING DROP BOXES. TOOTH IN EXISTING BRICK SALVAGED FROM DEMOLITION INTO VOIDS LEFT FROM DROP BOX REMOVAL.
- 26 REMOVE EXISTING DOOR PANEL AND HARDWARE. EXISTING FRAME TO REMAIN.
- 27 FILL IN CONCRETE FLOOR AT EXISTING FLOOR OPENING. SEE STRUCTURAL.
- 28 REMOVE EXISTING SECURITY PYLONS AND SALVAGE FOR OWNER'S REUSE.
- 29 REMOVE EXISTING STEEL TUBES IN FRONT OF ALUMINUM STOREFRONT. REMOVE STEEL ANGLES ATTACHED TO EXISTING COLUMNS AND GRIND COLUMN SMOOTH FOR RE-PAINTING.
- 30 AFTER CAREFULLY REMOVING EXISTING BRICK WALL, REMOVE SEALANT JOINT AND CLEAN OFF EXISTING BRICK FACE.
- 31 REMOVE OPERABLE PARTITION PANELS AND SUPPORTING STRUCTURAL STEEL, INCLUDING THAT IN THE OPERABLE PARTITION POCKET.
- 32 DEMOLISH PORTION OF EXISTING GYPSUM BOARD CEILING AND ACT CEILING.
- 33 DEMOLISH PORTION OF EXISTING SOFFIT AND SUPPORTING STEEL BEAM.
- 34 REMOVE EXISTING BRICK MASONRY WALL AND PATCH/GRIND FLOOR AS REQUIRED.

GENERAL NOTES

- 1 REMOVE ALL EXISTING SIGNAGE.
- 2 REMOVE ALL EXISTING LIBRARY FURNITURE AND BOOKSHELVES - PAUL TO CONFIRM.
- 3 REMOVE AND FILL TRENCHES FOR ELECTRICAL RACEWAYS - SEE ELECTRICAL SHEETS FOR EXTENT.



1 DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

ISSUANCE	
100% CONSTRUCTION DOCUMENTS 10/21/2019	
PRINCIPAL DESIGNER	RO DRW
REVISIONS	
11.01.2019	ADD 01

ANKENY, IA 50021

410 W 1ST STREET
ANKENY, IA 50023

A100



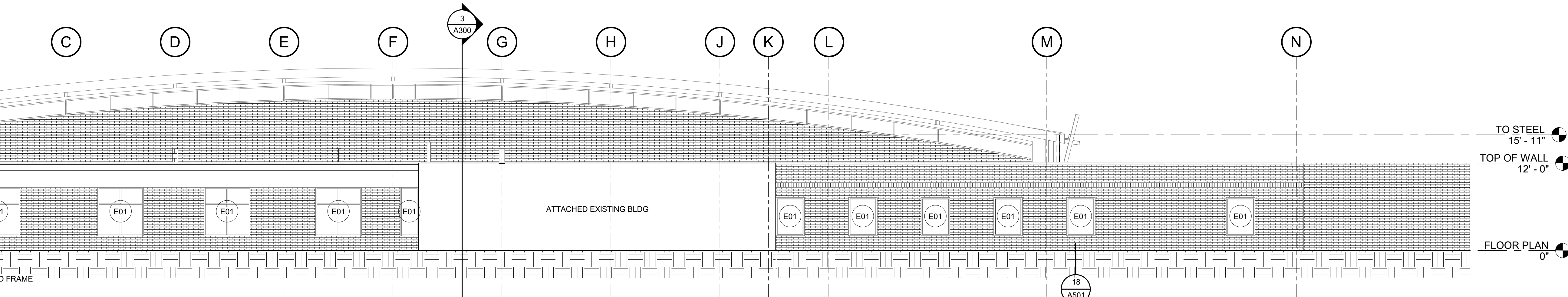
WINDOW KEY NOTE

- E01 A. REMOVE PERIMETER SEALANT AND BACKER ROD AROUND PERIMETER OF EXISTING WINDOW. FULLY REMOVE SEALANT FROM EXISTING BRICK.
B. TEMPORARILY REMOVE AND PROTECT EXISTING WINDOW FRAMING AND GLAZING. CAREFULLY REMOVE EXISTING BREAK METAL SILL PAN FLASHING AT SILL FROM CAST STONE SILL AND WOOD SILL. REMOVE ALL EXCESS MASTIC FROM CAST STONE SILL.
C. INSPECT EXISTING 2X WOOD SILL ONCE PAN FLASHING IS REMOVED FOR MOISTURE DAMAGE. IF EVIDENCE IS FOUND OF MOISTURE DAMAGE, SUCH AS BLACK, MOIST WOOD PRESENT, REMOVE DAMAGED SILL FRAMING AND REPLACE WITH NEW PRESSURE TREATED WOOD 2X MATERIAL. RESEAL EXISTING POLY VAPOR RETARDER TO NEW SILL FRAMING. FILL ANY VOIDS WHERE INSULATION WAS REMOVED AROUND OPENING FOR CONTINUOUS INSULATION. IF THERE IS NO EVIDENCE OF MOISTURE DAMAGE TO SILL, SILL CAN BE LEFT IN PLACE. FILL WITH SEALANT ALL HOLES LEFT FROM WINDOW ATTACHMENT IN CAST STONE SILL. TRIM EXISTING PLASTIC EMBEDS FLUSH WITH TOP FACE OF CAST STONE SILL BEFORE APPLICATION OF SEALANT.
D. INSTALL NEW FULL LENGTH PREFINISHED WHITE SILL PAN FLASHING AND SET IN CONTINUOUS MASTIC TO CAST STONE SILL. EXTEND SILL PAN FLASHING JUST BEYOND FACE OF ALUMINUM WINDOW AND HEM EDGE.
E. INSTALL METAL END DAM FLASHING AT EACH END OF SILL PAN FLASHING AND PERIMETER SEAL END DAM TO SILL FLASHING AND TO PERIMETER OPENING.
F. THOROUGHLY CLEAN WINDOW BEFORE RE-INSTALLATION. REMOVE ALL EXCESS SEALANT COMPLETELY. RE-INSTALL EXISTING WINDOW INTO EXISTING OPENING. SECURE WINDOW TO OPENING THROUGH THE JAMBS. NO FASTENERS THROUGH SILL.
G. INSTALL PERIMETER SEALANT AND BACKER ROD AROUND HEAD AND JAMBS.
H. ROUT OUT EXISTING CAST STONE CRACKS AND SEAL AS REQUIRED.
I. PROVIDE AAMA 501-2 WATER LEAKAGE TESTING TO (4) WINDOWS AS DESIGNATED BY THE ARCHITECT.
J. SEE DETAILS T3, T8 AND T22/A501.
K. CLEAN CAST STONE SILLS TO REMOVE ALL MOLD/MILDEW.
L. ADD 01.

NOTES:
ALL OPENINGS TO BE SECURED AFTER BUSINESS HOURS BY TEMPORARY OR PERMANENT MEANS.
PROVIDE ALLOWANCE PER WINDOW FOR MOISTURE DAMAGED WOOD SILL REPLACEMENT.

1 EXTERIOR ELEVATION - NORTH

SCALE: 1/8" = 1'-0"



2 PARTIAL BUILDING ELEVATION - SOUTH EAST

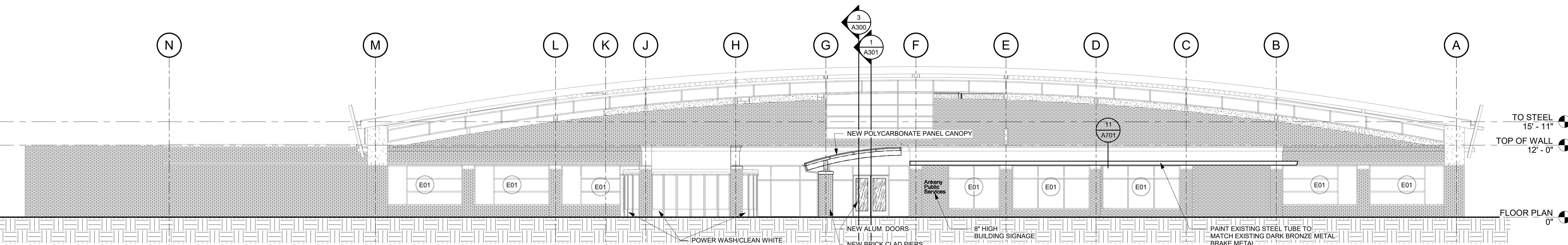
SCALE: 1/8" = 1'-0"

3 PARTIAL BUILDING ELEVATION NORTH EAST

SCALE: 1/8" = 1'-0"

4 EXTERIOR ELEVATION - SOUTH

SCALE: 1/8" = 1'-0"



5 EXTERIOR ELEVATION - WEST

SCALE: 1/8" = 1'-0"

ISSUANCE

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10/21/2019

PRINCIPAL RO
DESIGNER DRW

REVISIONS

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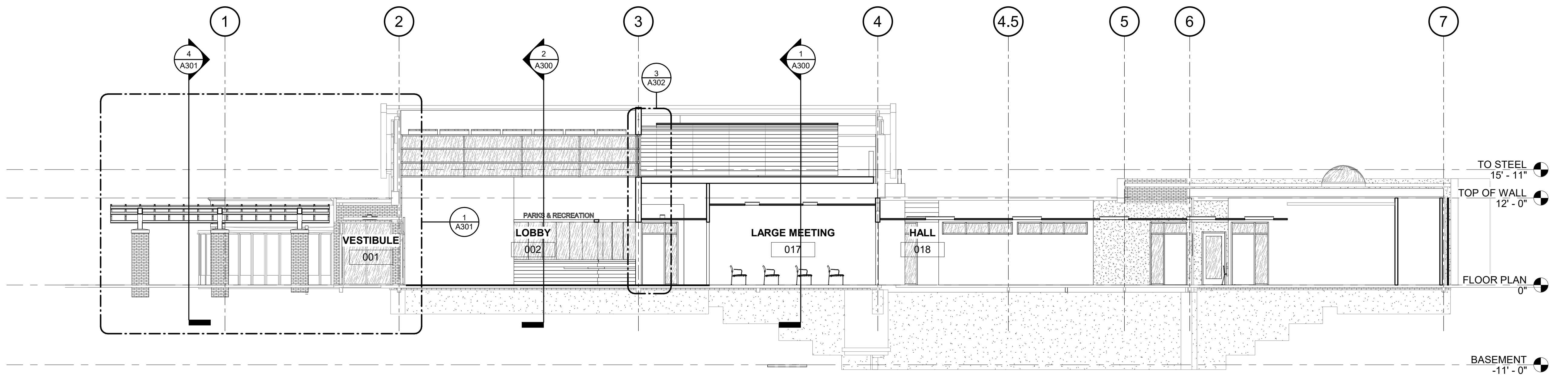
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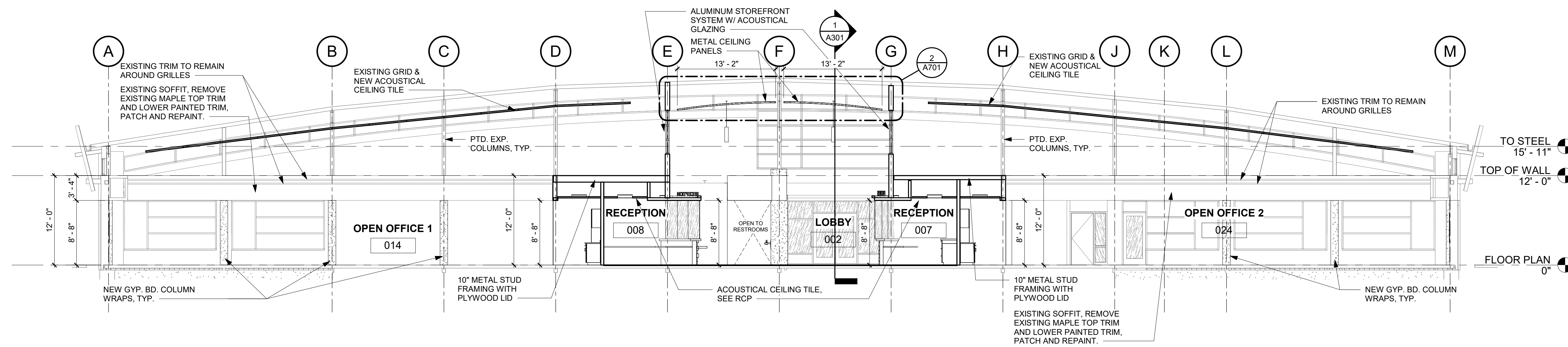
BUILDING ELEVATIONS

A200

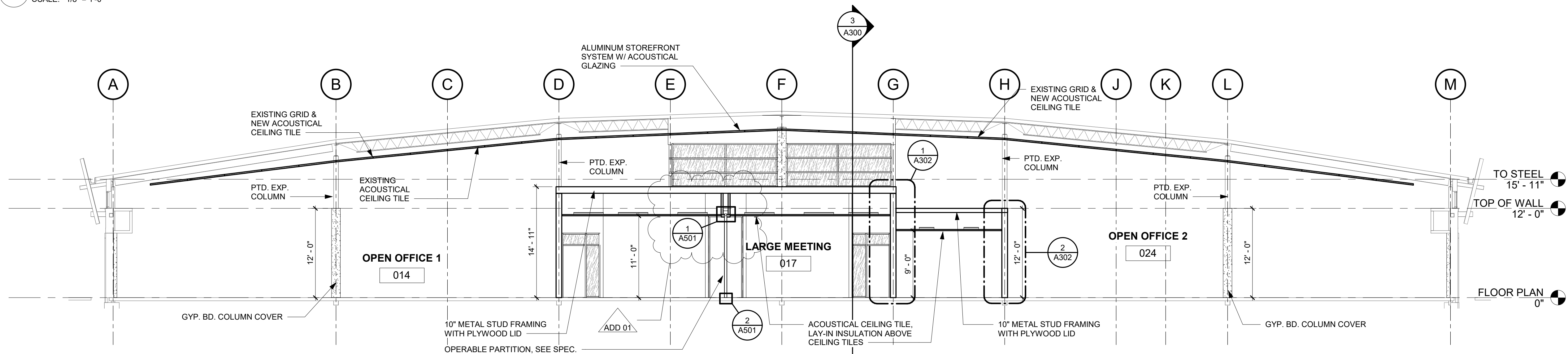
C:\Users\DANIELLE\Documents\18078 Ankeny Public Services
R19_dwilliams@svpa-architects.com.rvt



3 BUILDING SECTION
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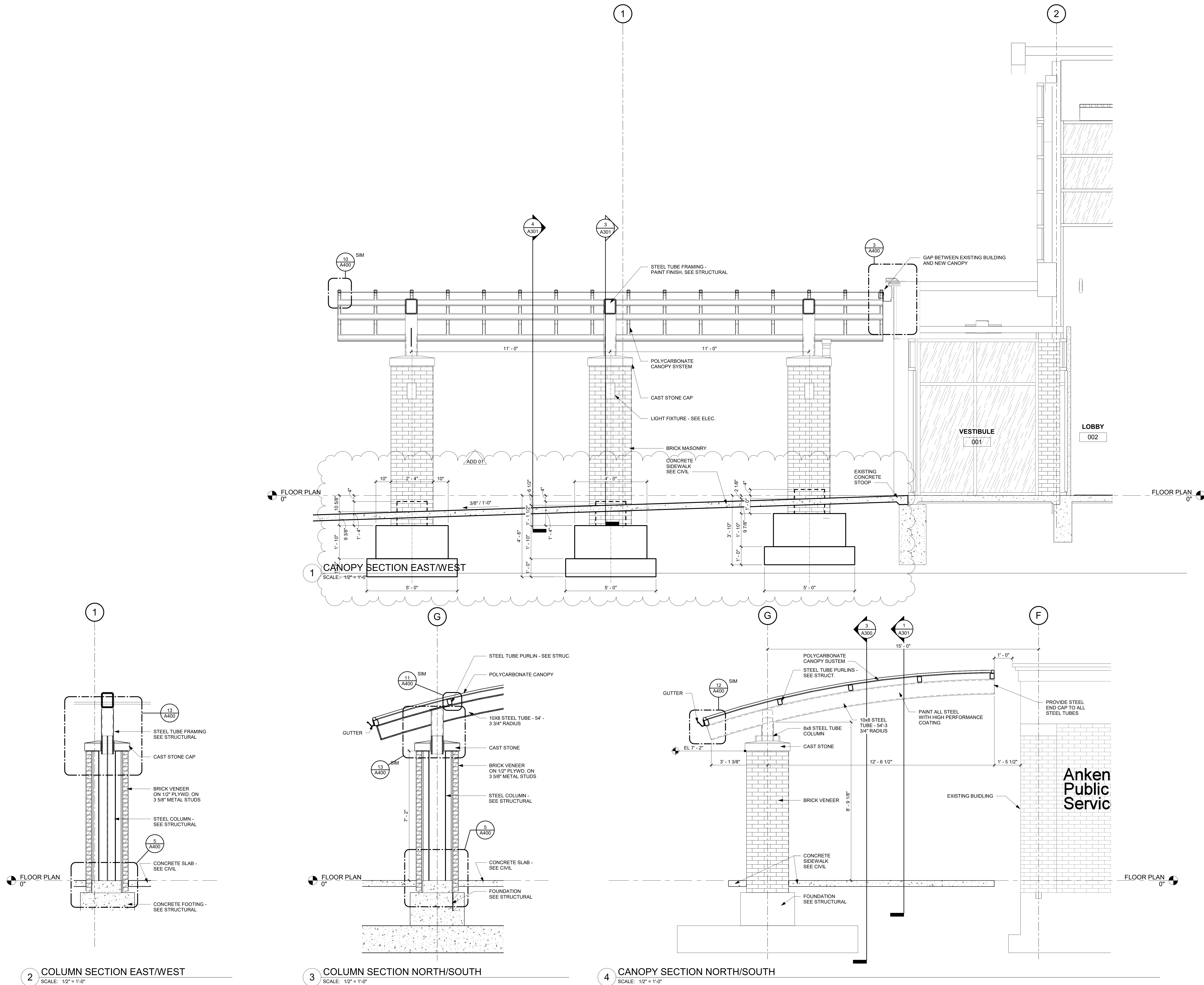


2 BUILDING SECTION
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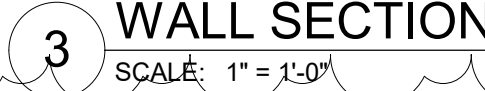
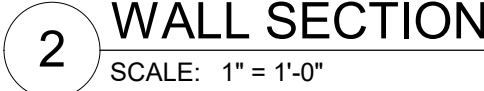
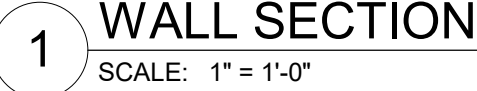
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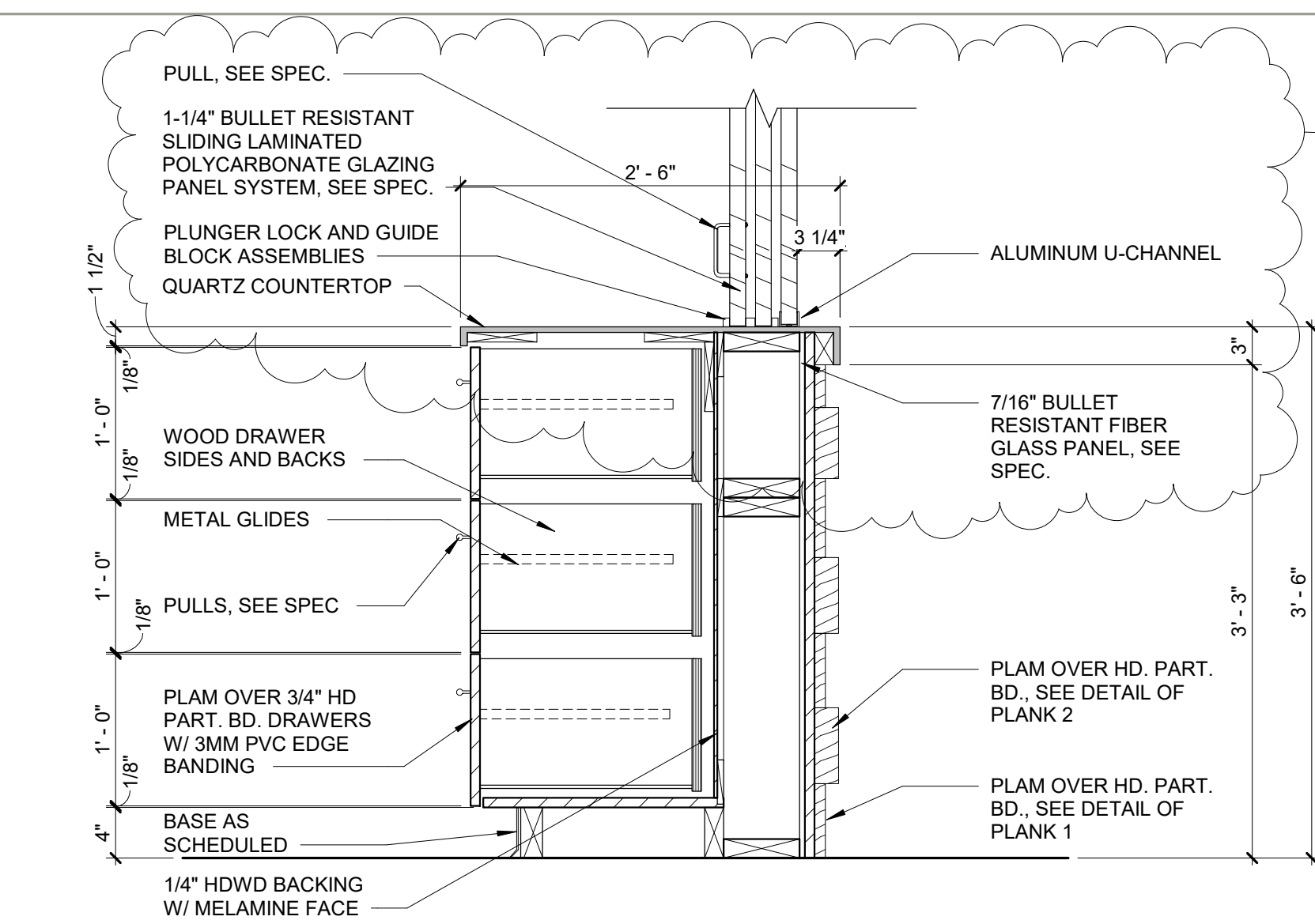
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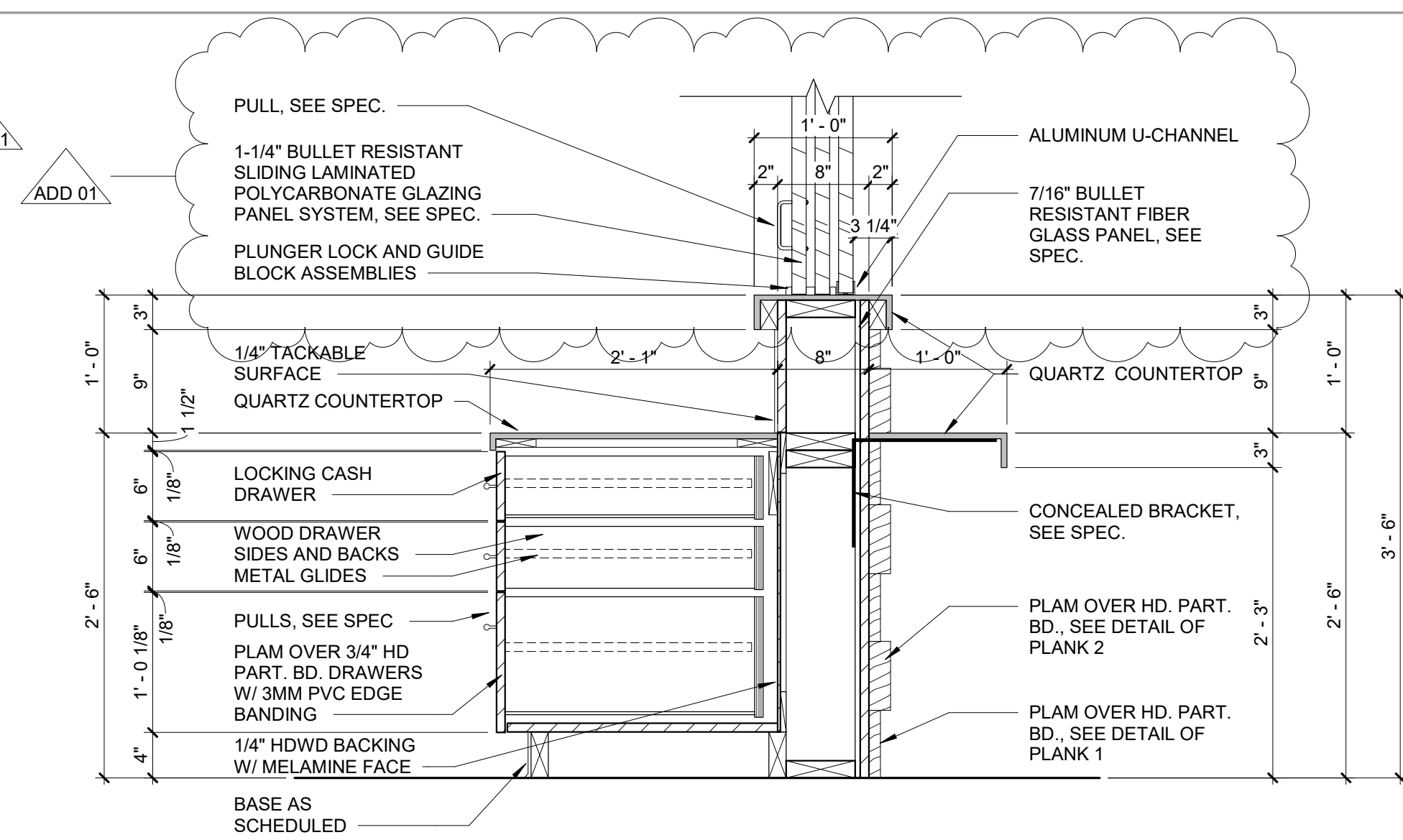
410 W 1ST STREET
ANKENY, IA 50023

A302

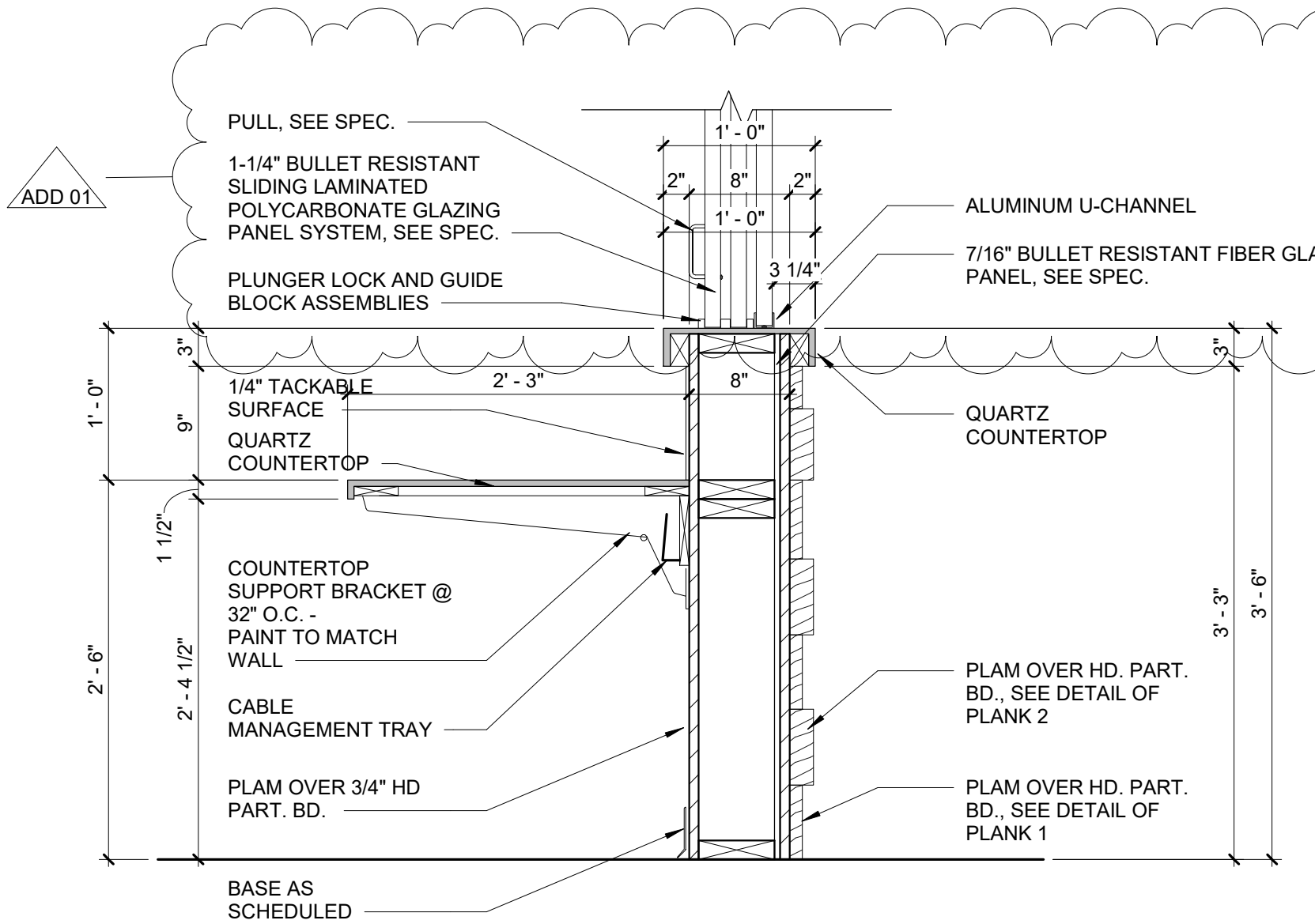




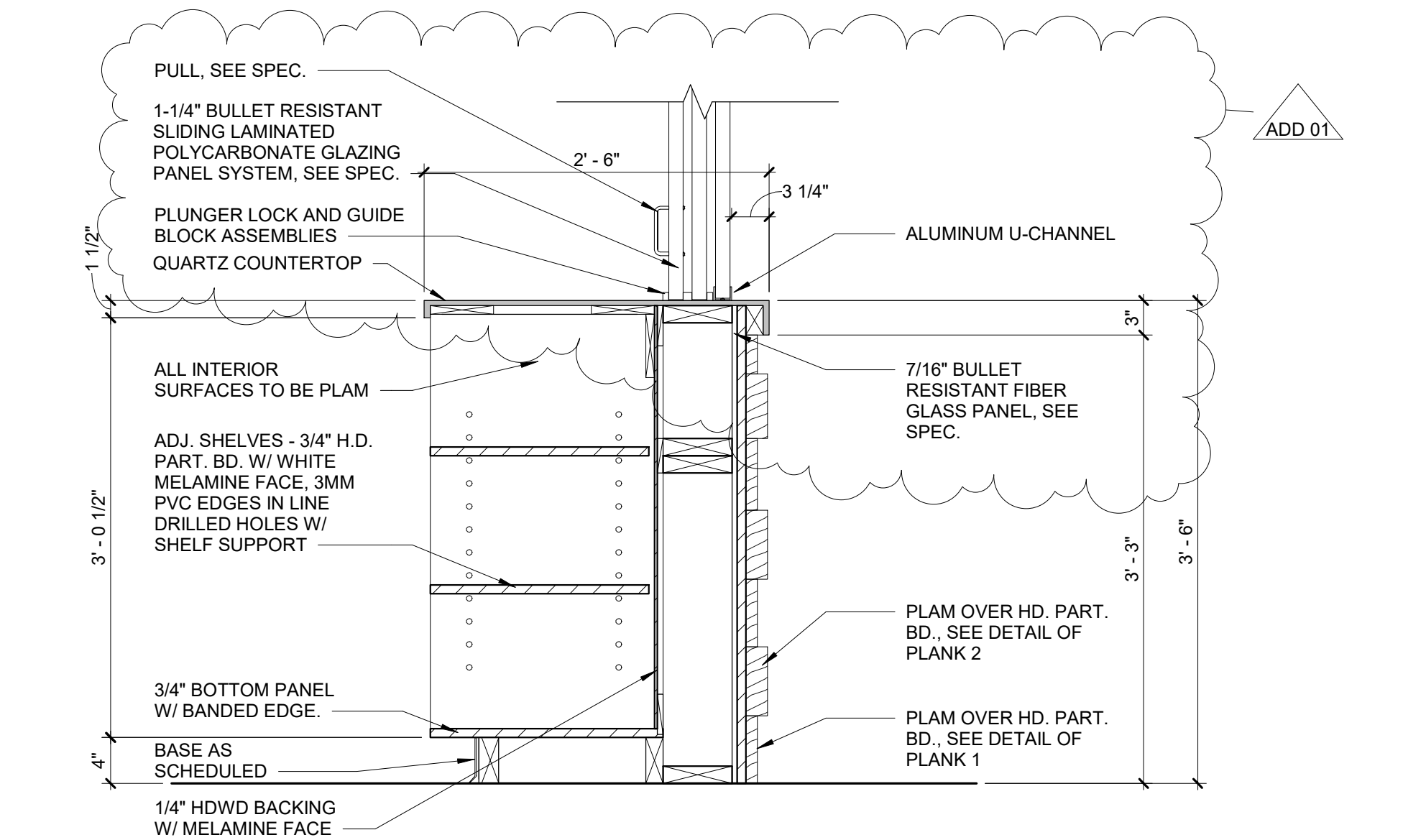
1 RECEPTION - 3 DRAWER
SCALE: 1" = 1'-0"



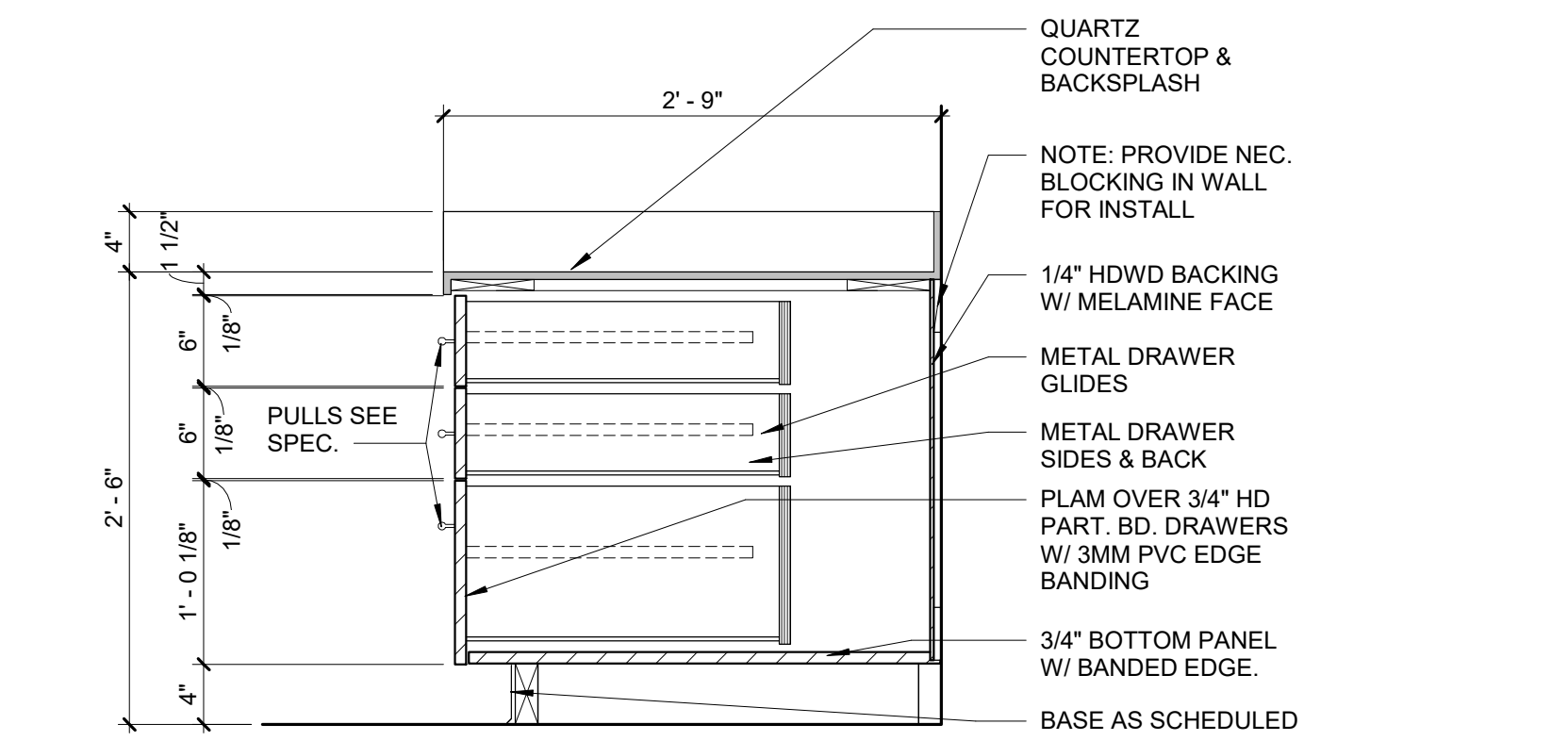
2 RECEPTION - BBF w/ CASH DRAWER
SCALE: 1" = 1'-0"



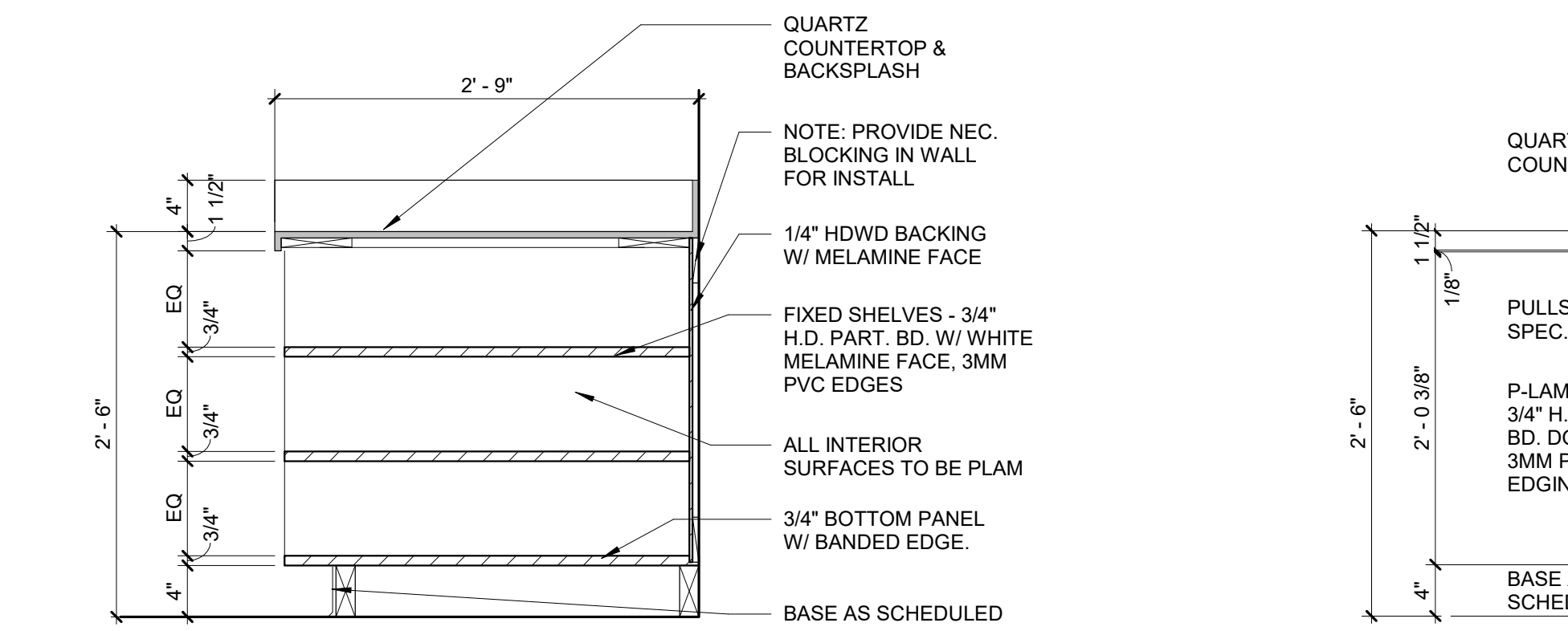
5 RECEPTION - OPEN KNEE SPACE P & R
SCALE: 1" = 1'-0"



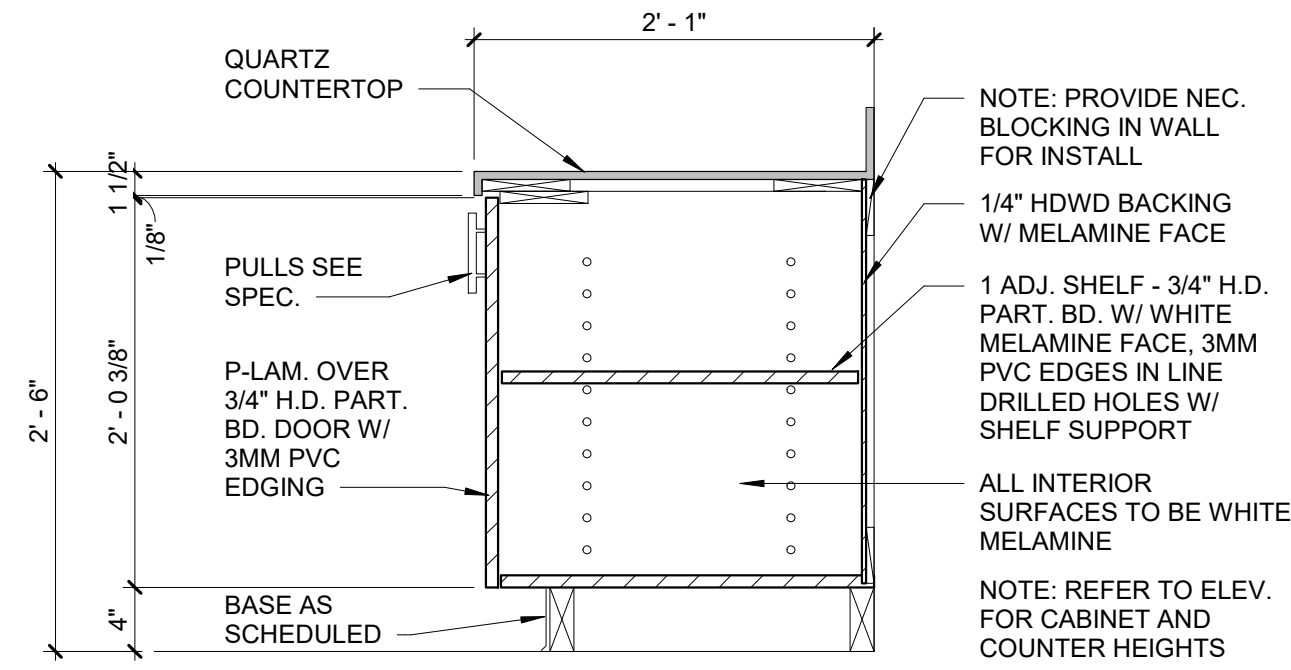
6 RECEPTION - OPEN SHELVES
SCALE: 1" = 1'-0"



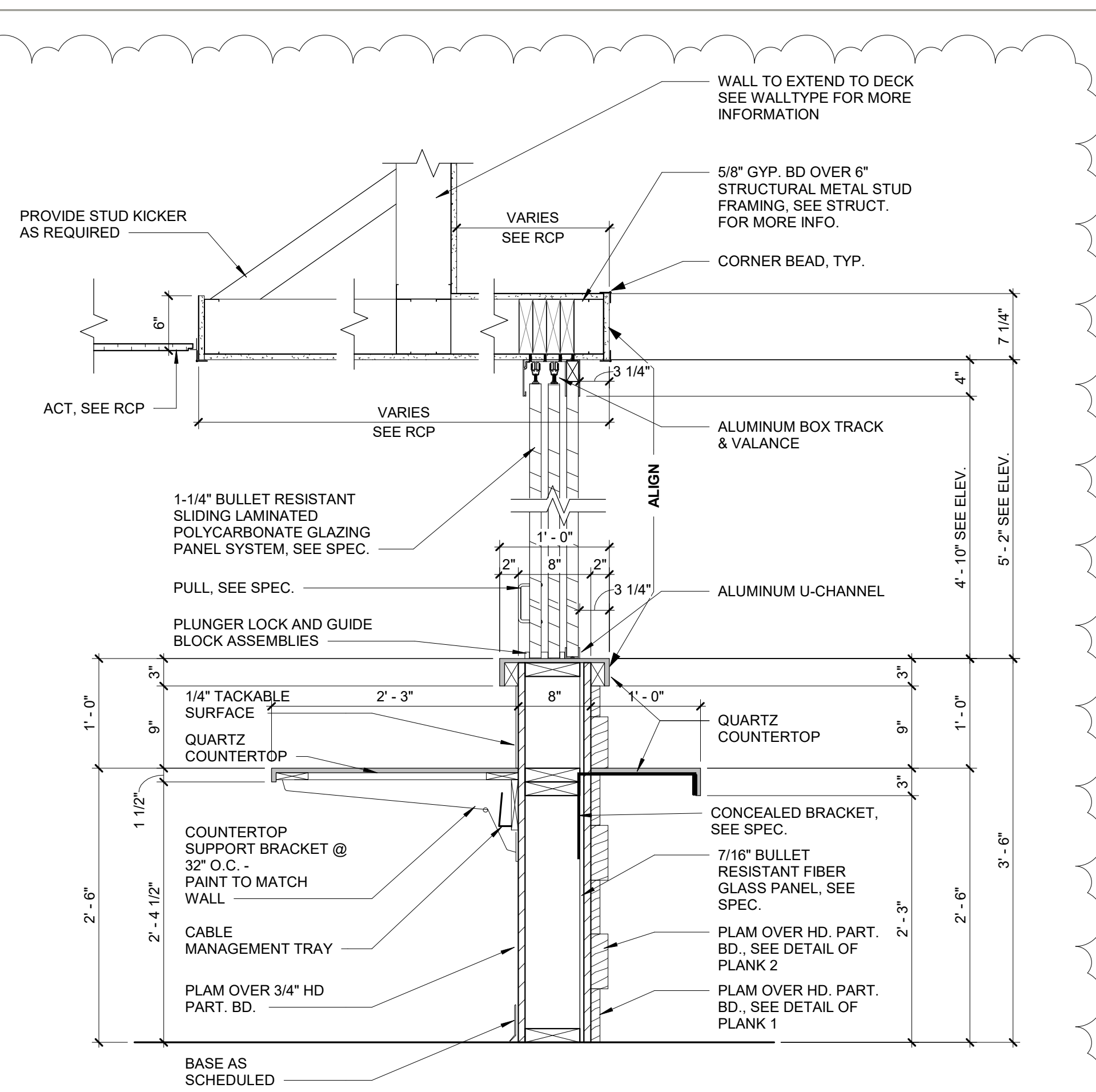
7 RECEPTION - BBF
SCALE: 1" = 1'-0"



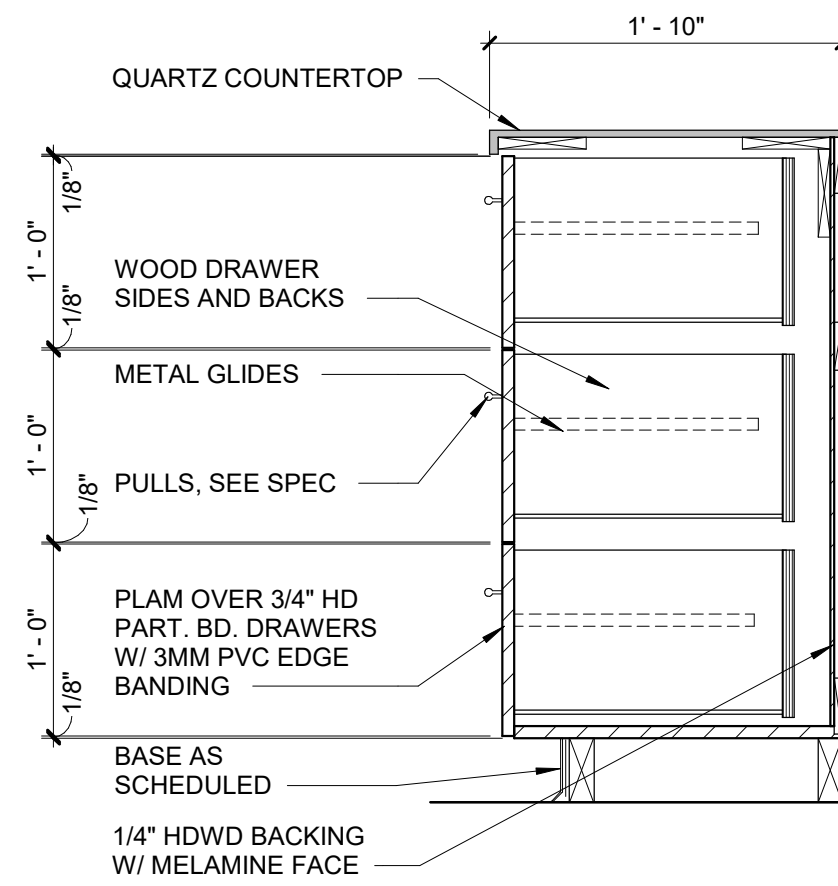
8 RECEPTION - PLAN STORAGE
SCALE: 1" = 1'-0"



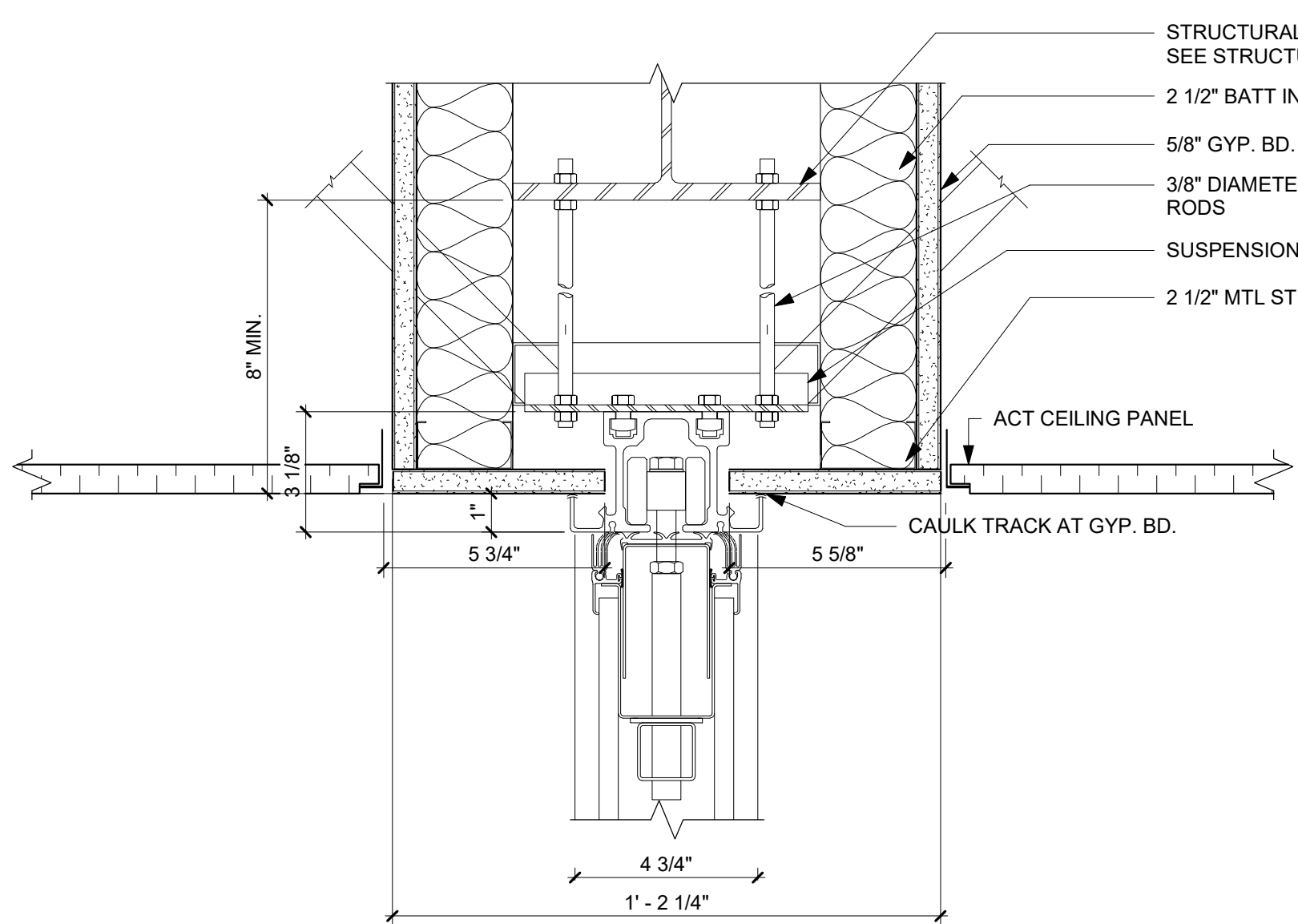
9 RECEPTION - BASE CAB w/ DOORS
SCALE: 1" = 1'-0"



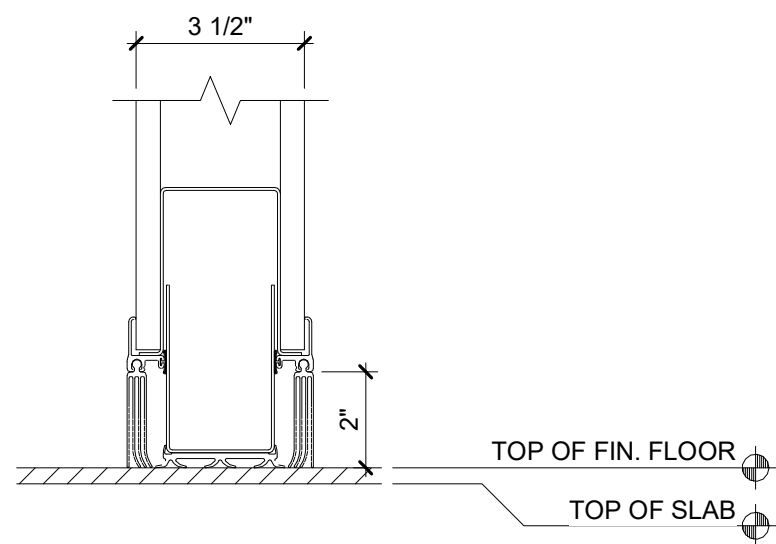
3 RECEPTION - OPEN KNEE SPACE
SCALE: 1" = 1'-0"



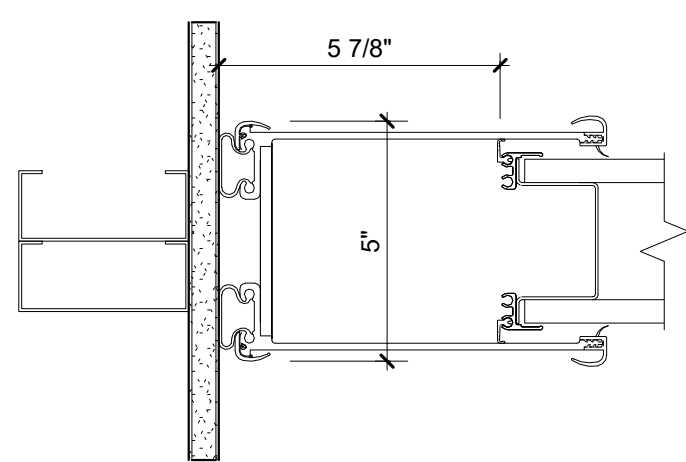
4 RECEPTION - 3 DRAWER P & R
SCALE: 1" = 1'-0"



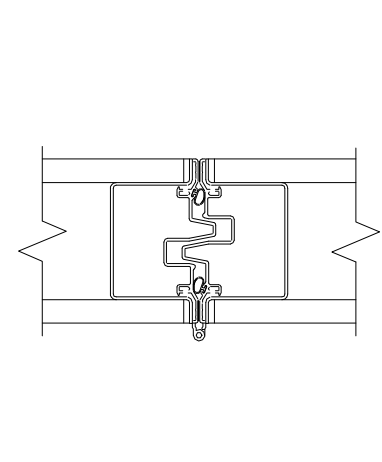
1 PARTITION @ HEAD
SCALE: 3" = 1'-0"



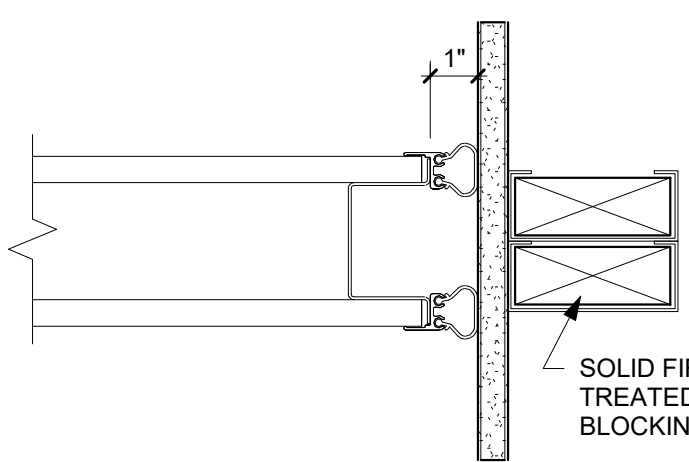
2 PARTITION @ BASE
SCALE: 3" = 1'-0"



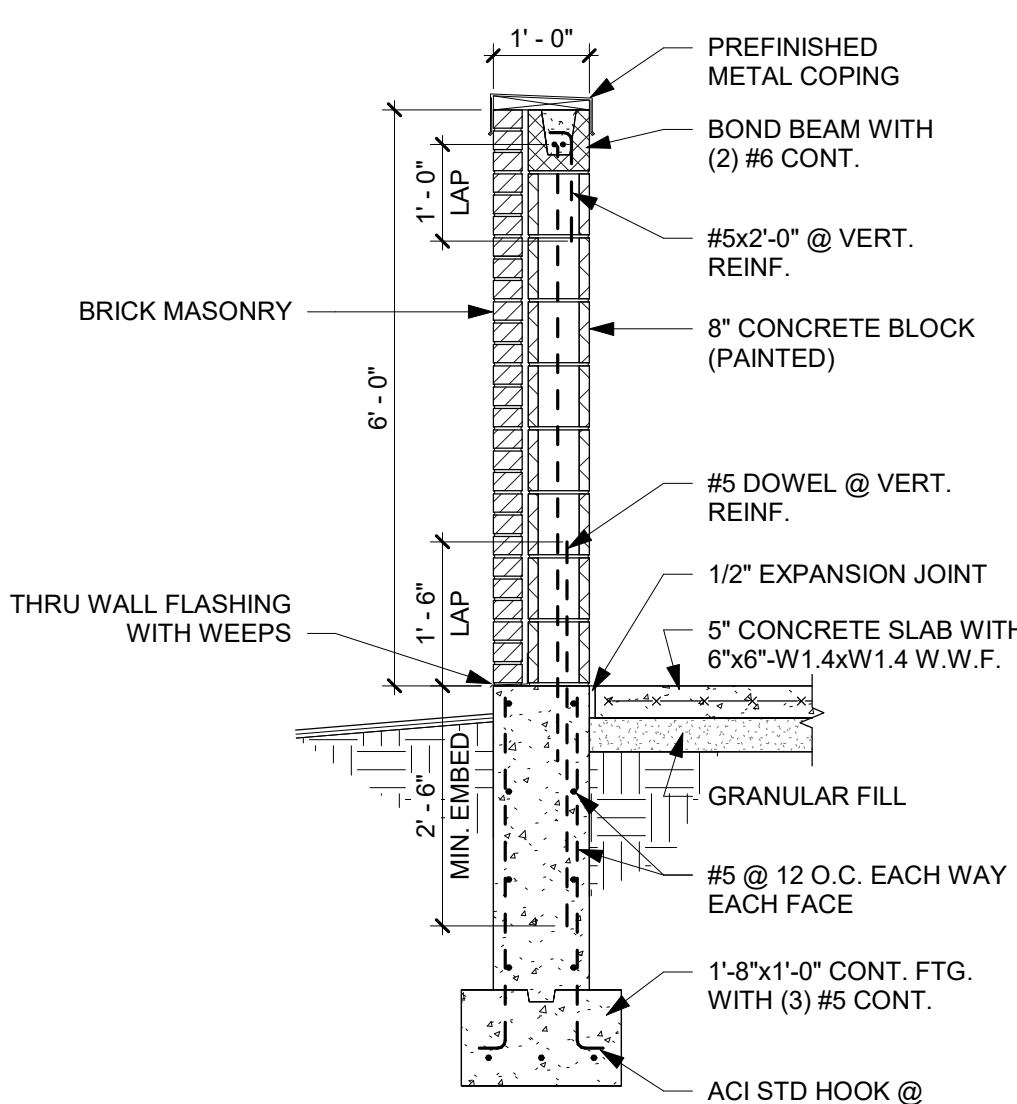
9 LEVER CLOSURE
SCALE: 3" = 1'-0"



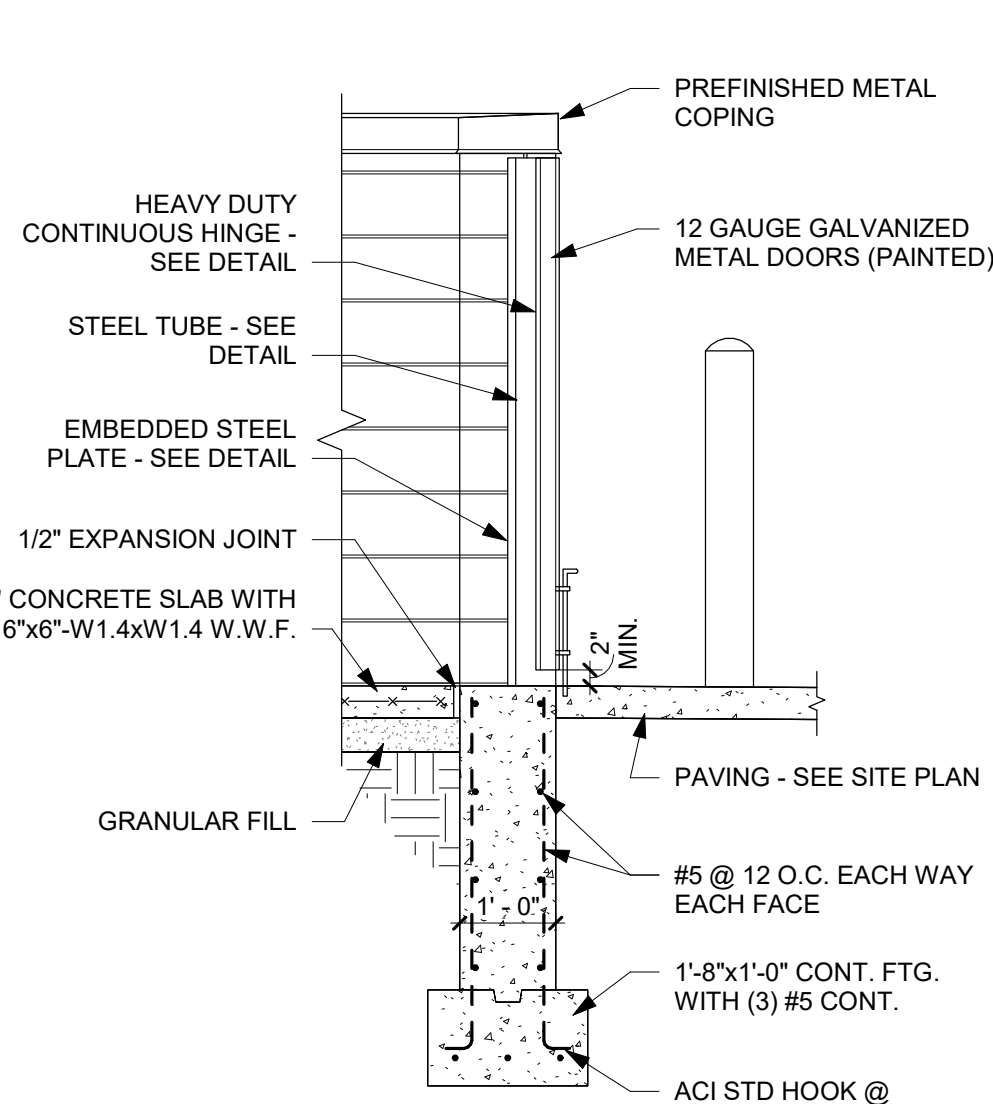
10 PANEL JOINT
SCALE: 3" = 1'-0"



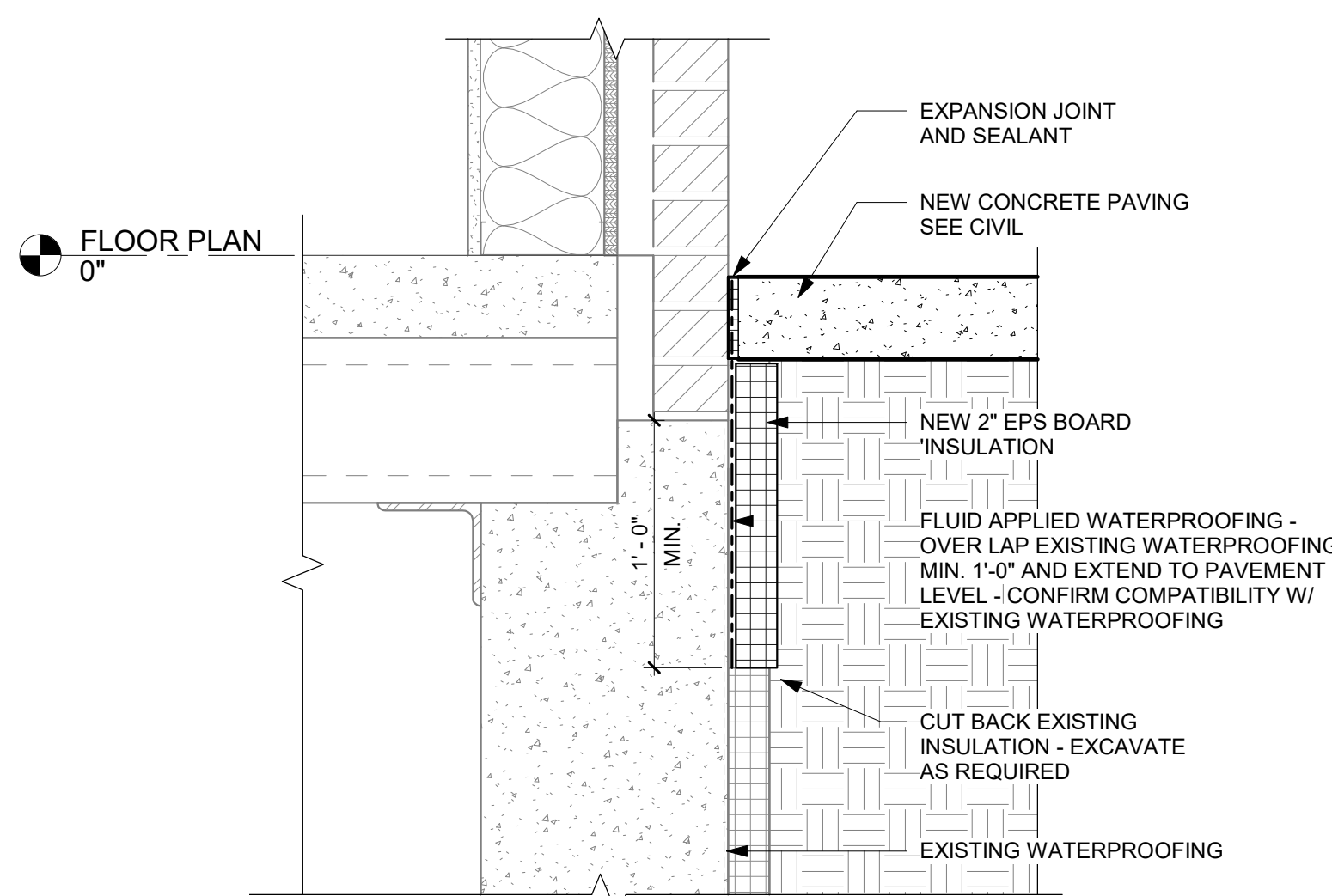
11 BULB SEAL
SCALE: 3" = 1'-0"



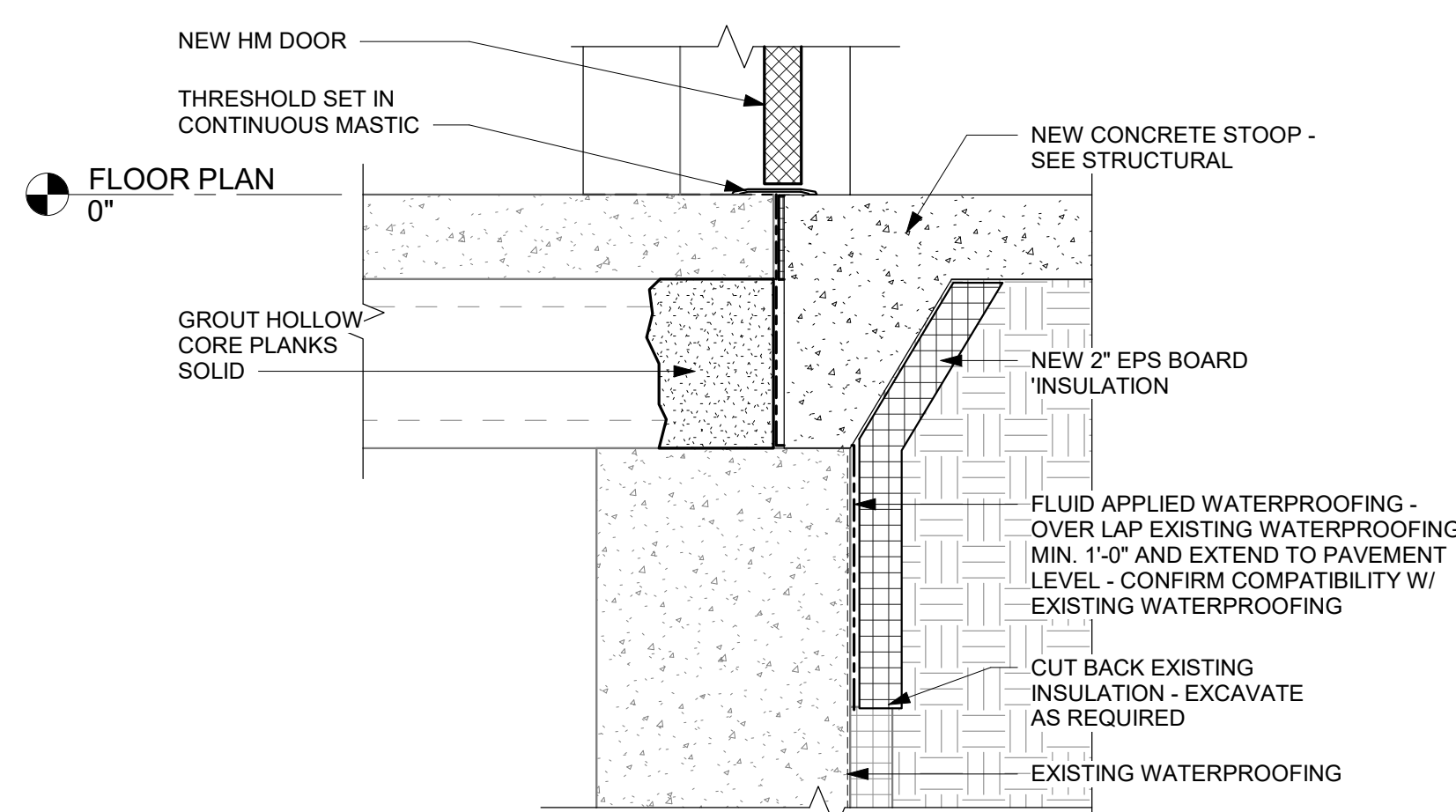
12 TRASH ENCLOSURE WALL SECTION
SCALE: 1/2" = 1'-0"



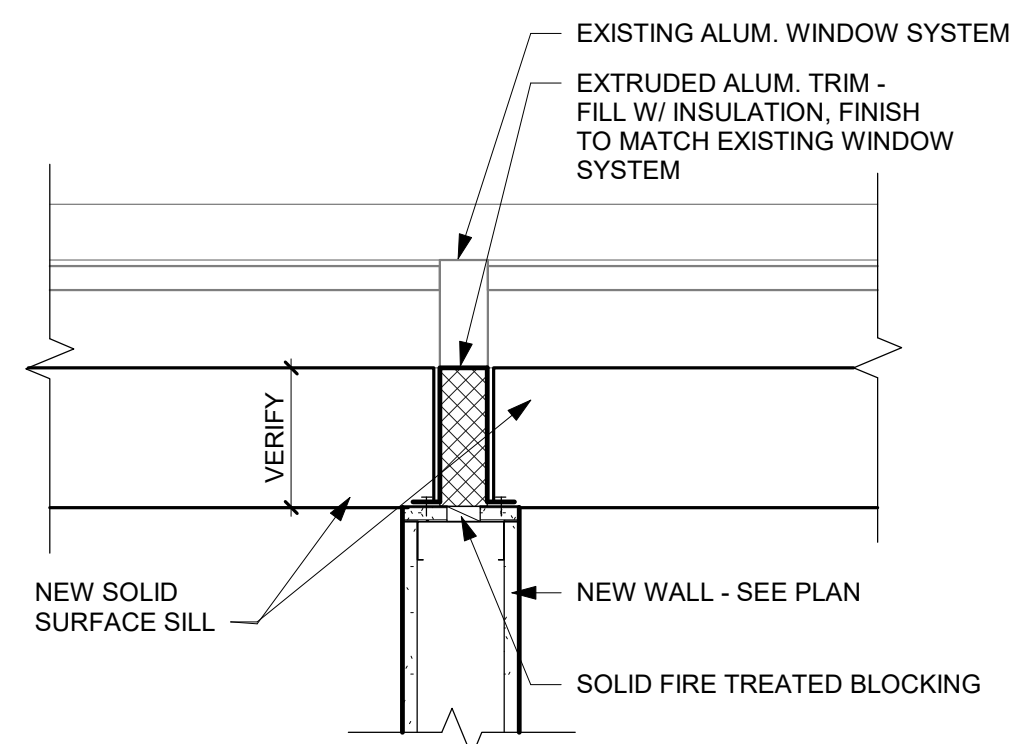
13 TRASH ENCLOSURE DOOR SECTION
SCALE: 1/2" = 1'-0"



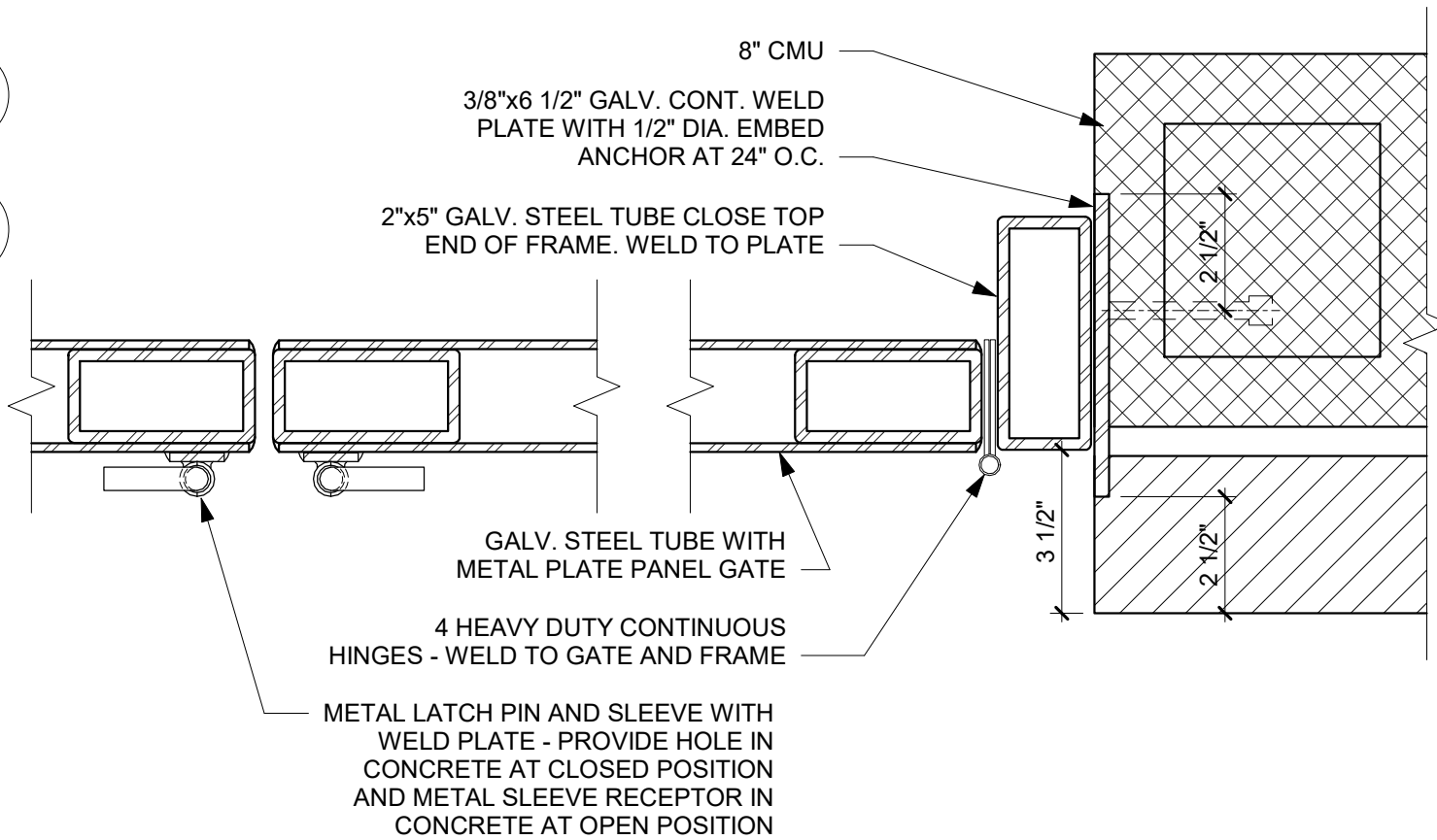
18 EXISTING WALL BASE
SCALE: 1 1/2" = 1'-0"



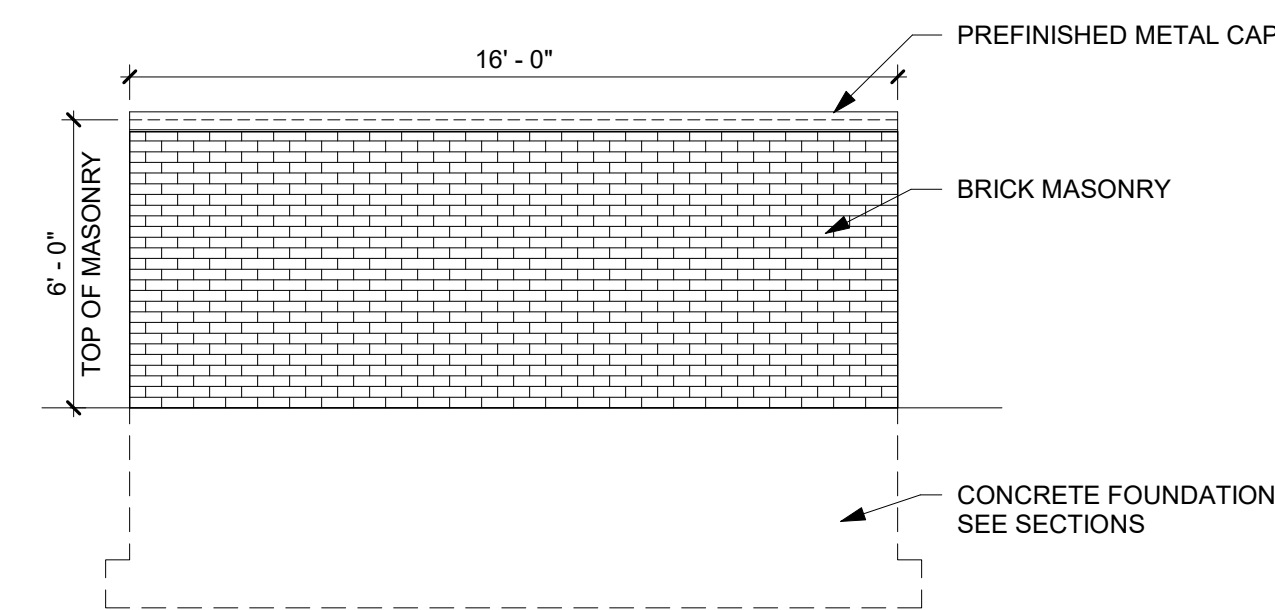
19 EXISTING WALL BASE @ NEW DOOR OPENING
SCALE: 1 1/2" = 1'-0"



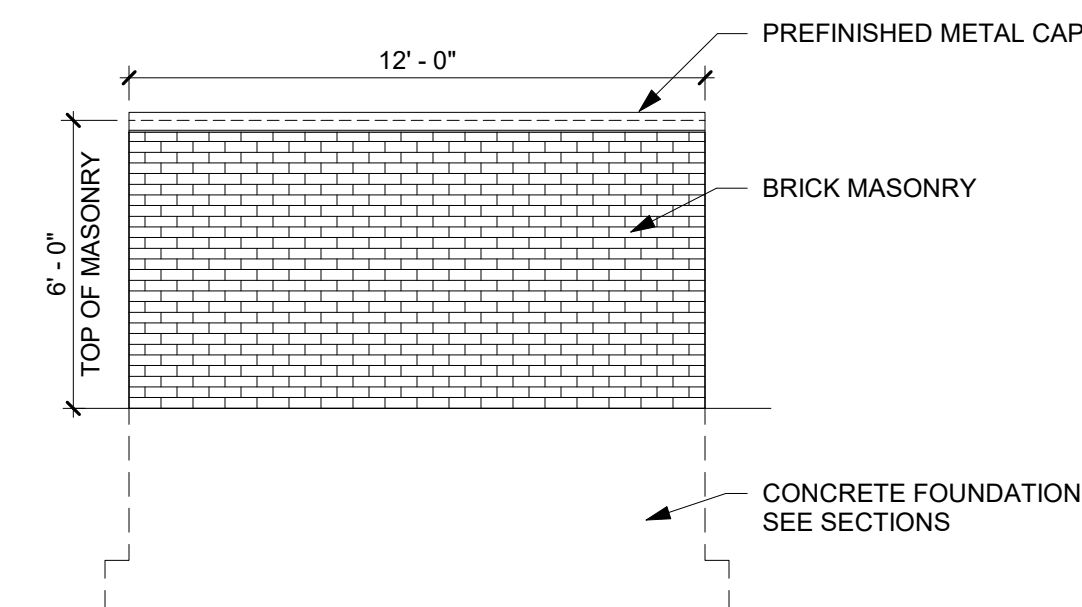
3 WALL CLOSURE AT WINDOW
SCALE: 1 1/2" = 1'-0"



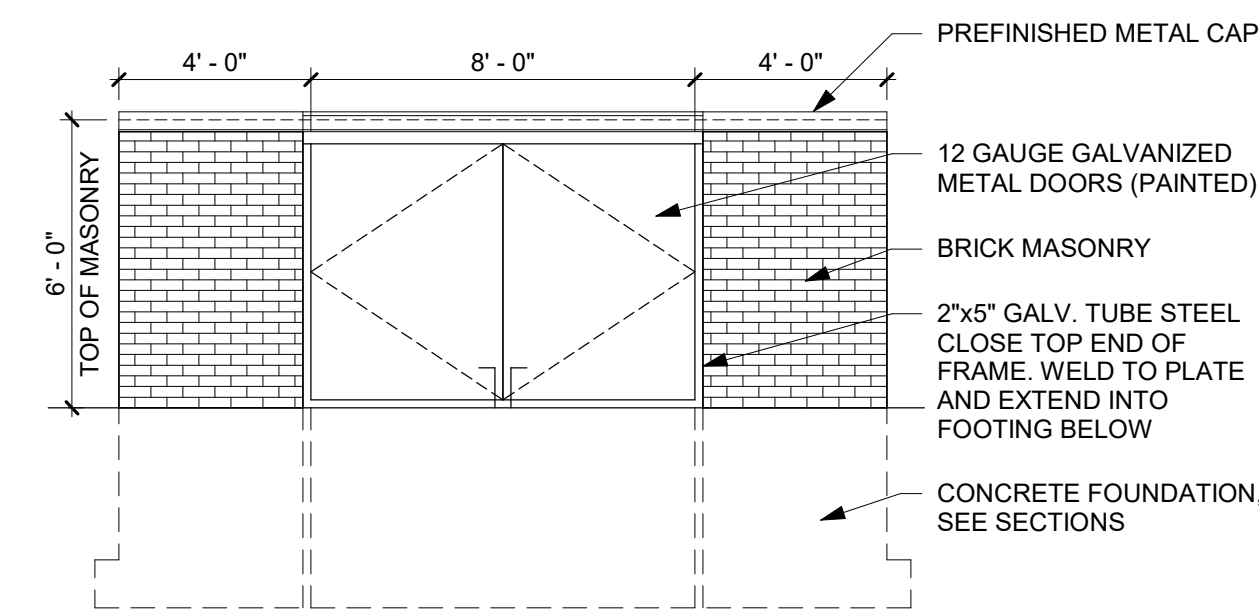
4 TRASH ENCLOSURE DOOR DETAIL
SCALE: 3" = 1'-0"



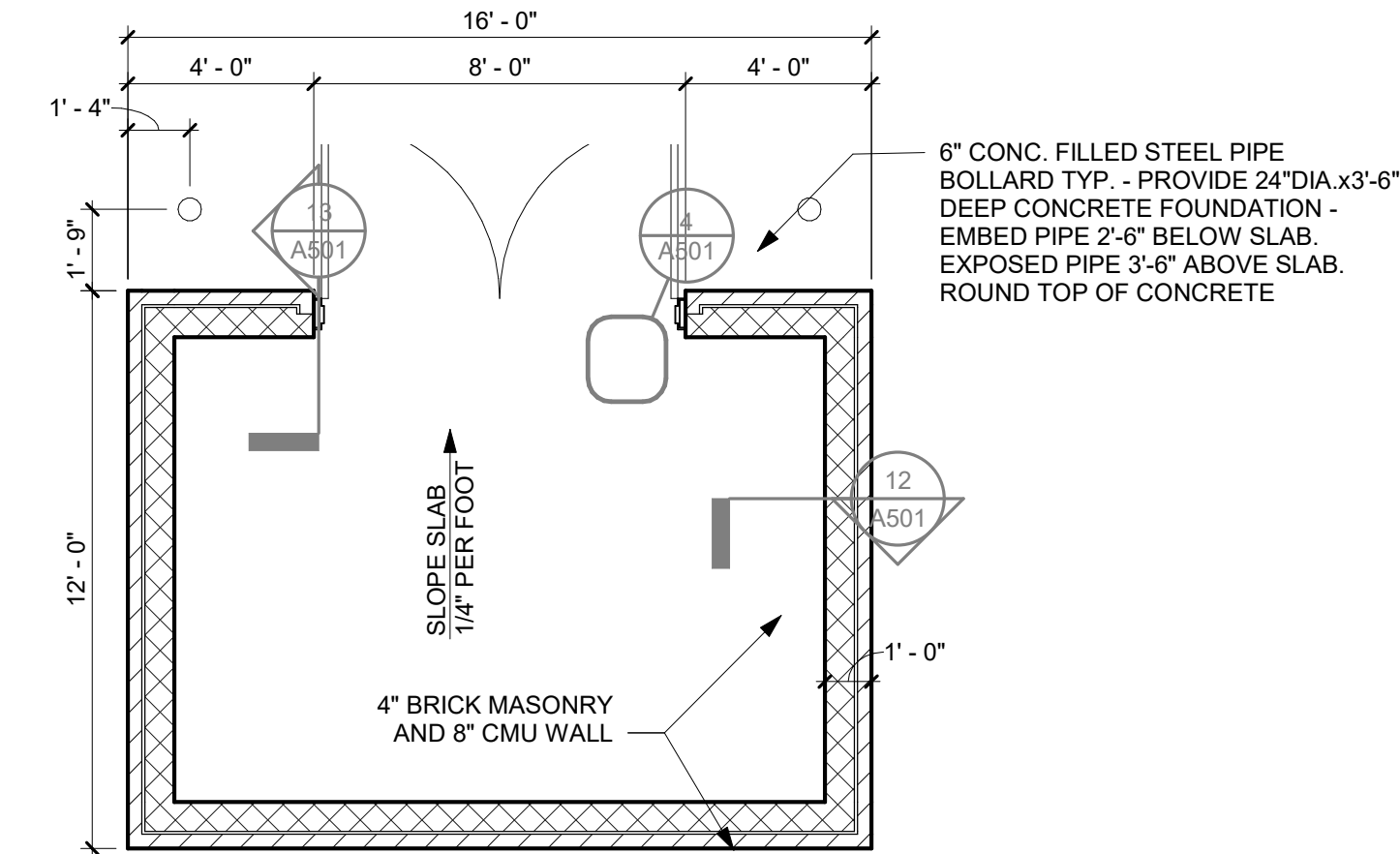
5 EAST TRASH ENCLOSURE ELEVATION
SCALE: 1/4" = 1'-0"



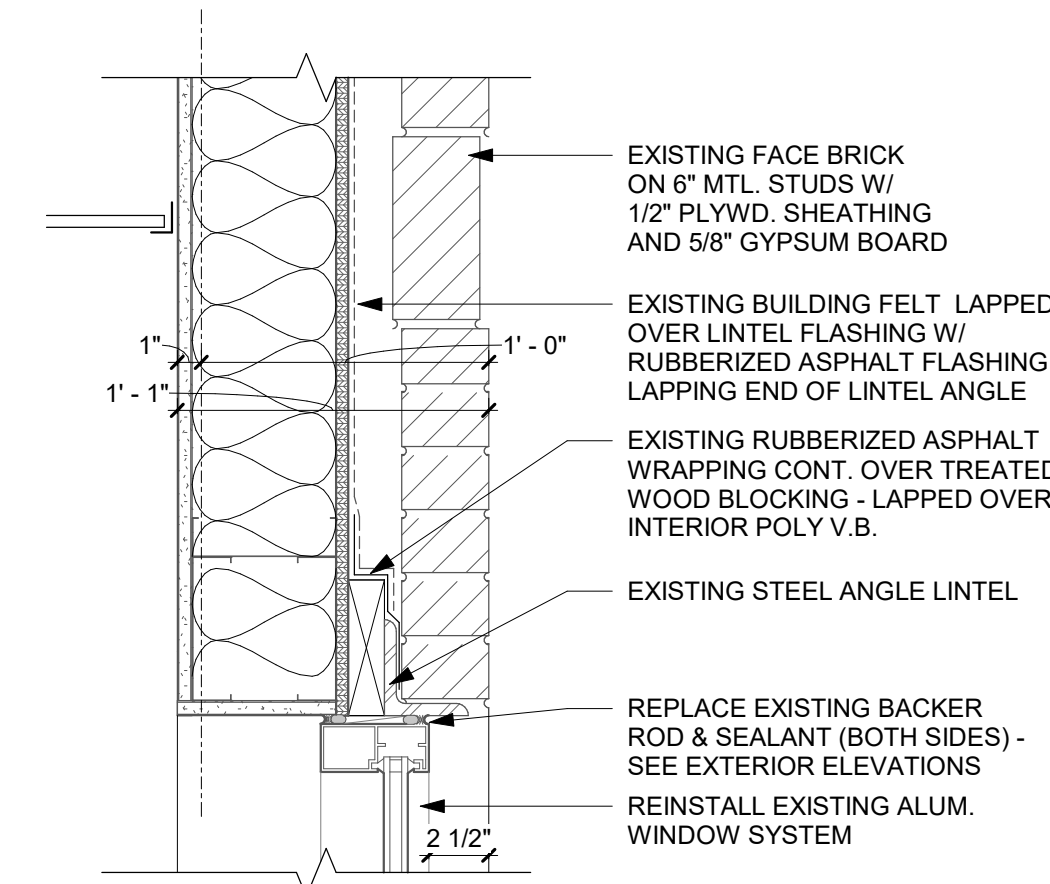
6 SOUTH TRASH ENCLOSURE ELEVATION
SCALE: 1/4" = 1'-0"



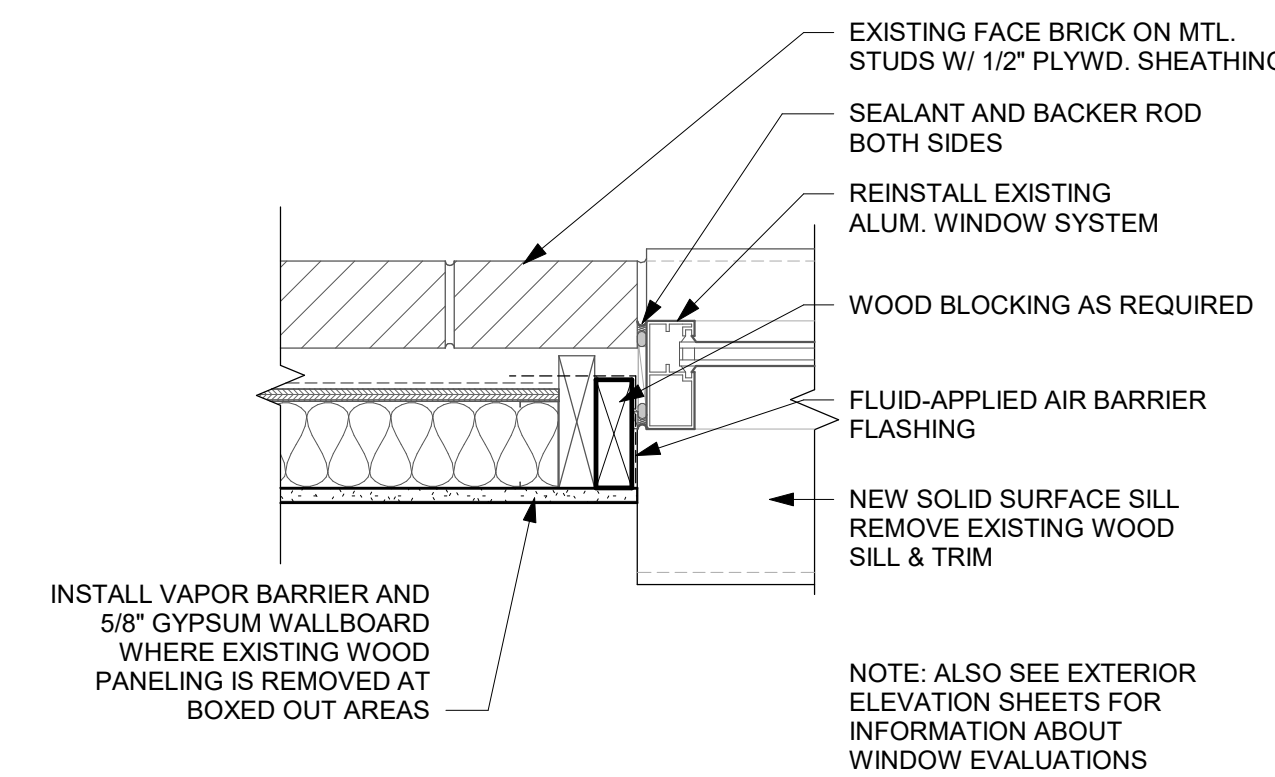
7 WEST TRASH ENCLOSURE ELEVATION
SCALE: 1/4" = 1'-0"



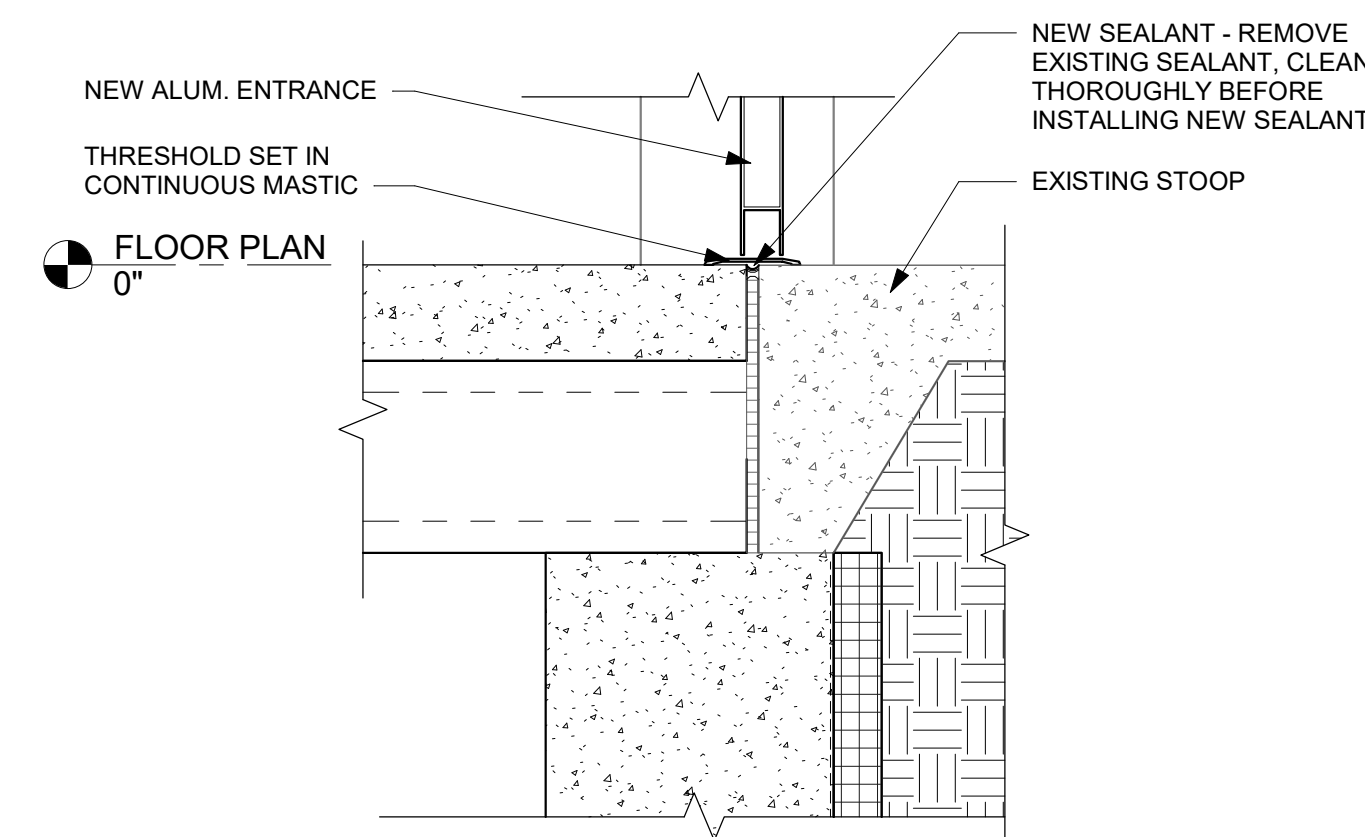
8 TRASH ENCLOSURE PLAN
SCALE: 1/4" = 1'-0"



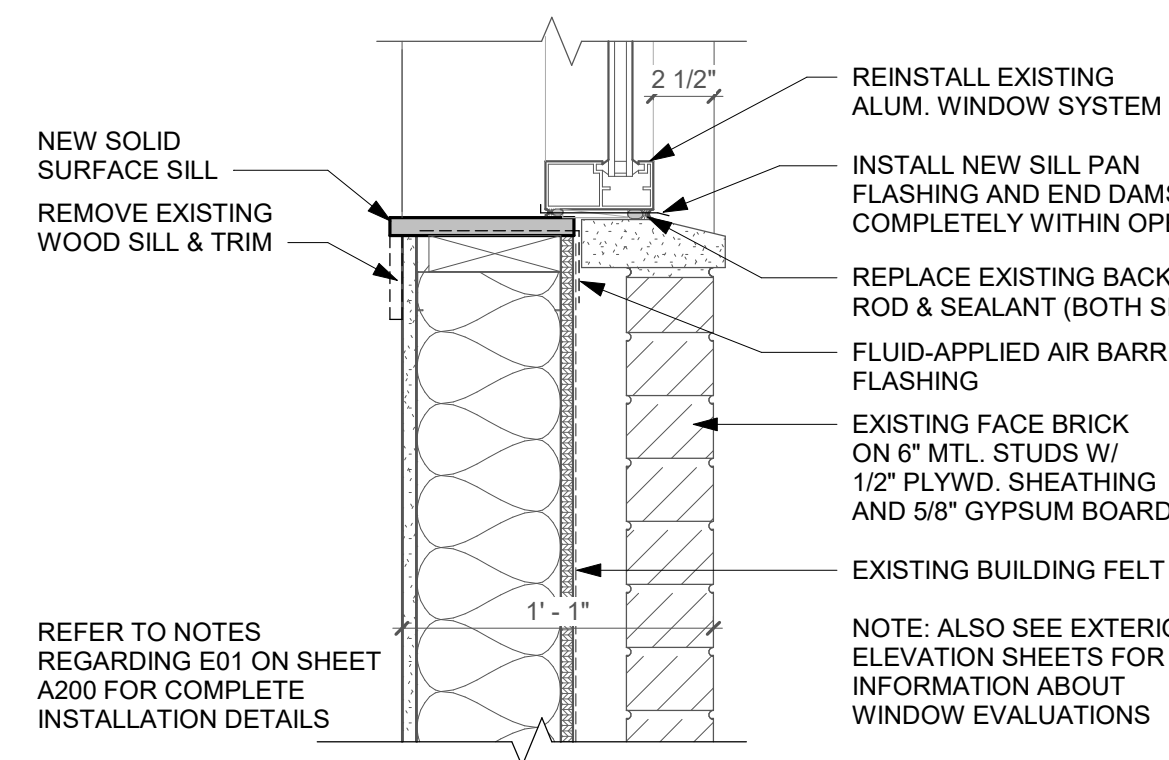
16 EXISTING HEAD DETAIL SIM. @ NEW WINDOW OPENING
SCALE: 1 1/2" = 1'-0"



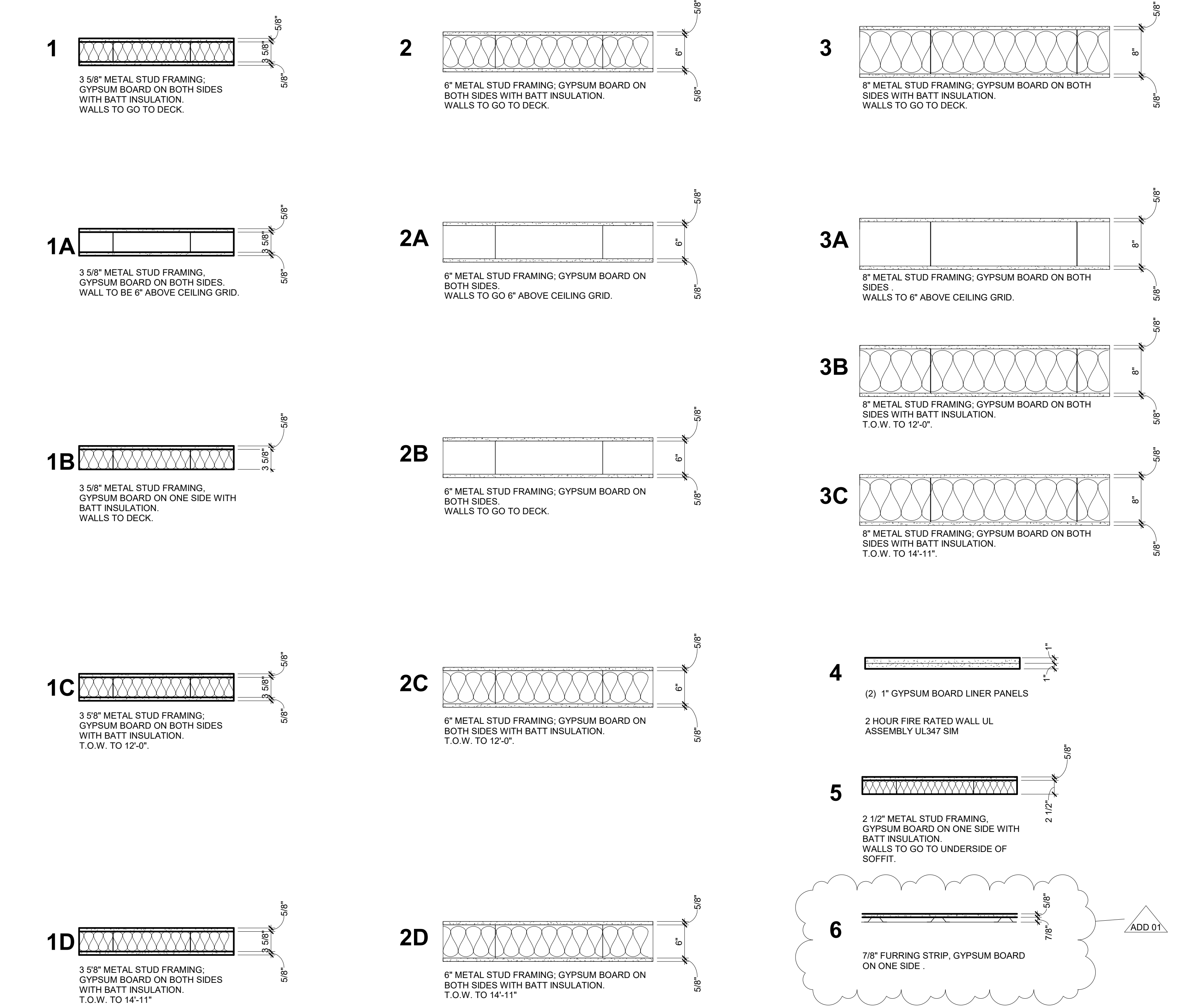
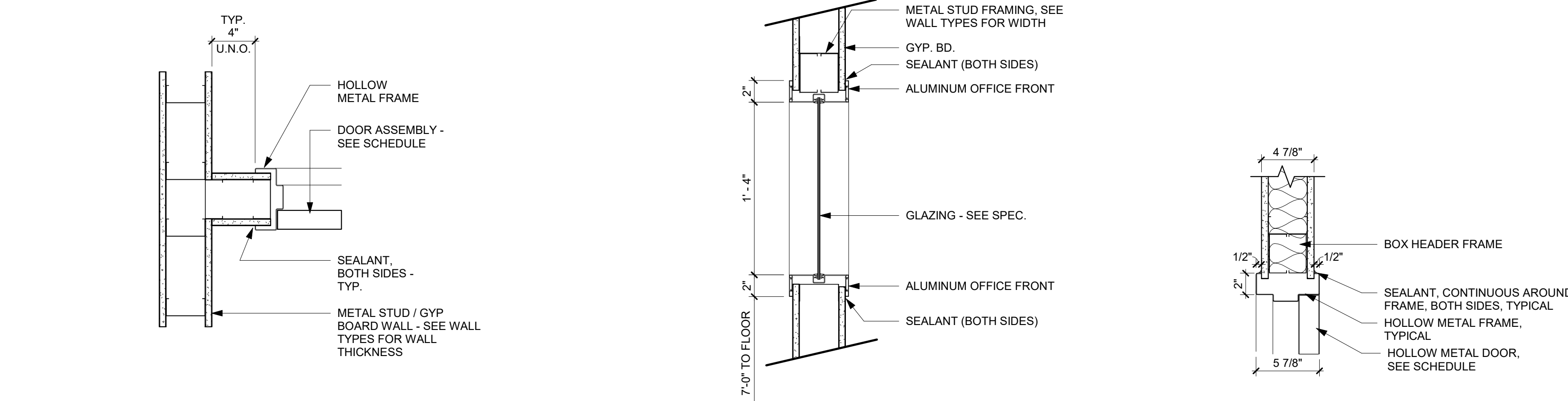
17 EXISTING JAMB DETAIL SIM. @ NEW WINDOW OPENING
SCALE: 1 1/2" = 1'-0"



20 EXISTING WALL BASE @ VESTIBULE
SCALE: 1 1/2" = 1'-0"



21 EXISTING SILL DETAIL SIM. @ NEW WINDOW OPENING
SCALE: 1 1/2" = 1'-0"

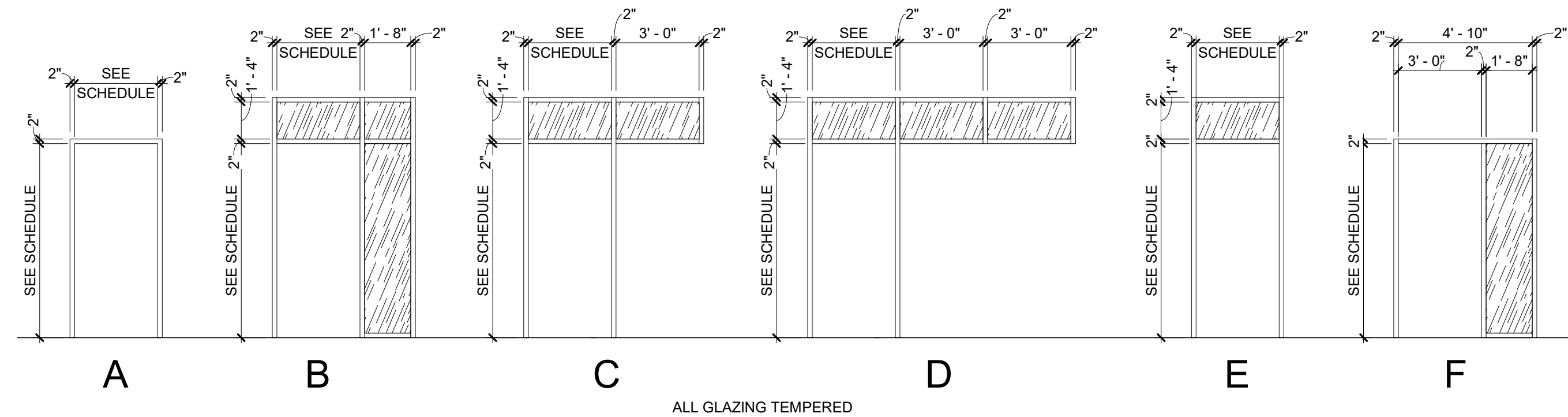


WALL TYPES
 SCALE: 1" = 1'-0"

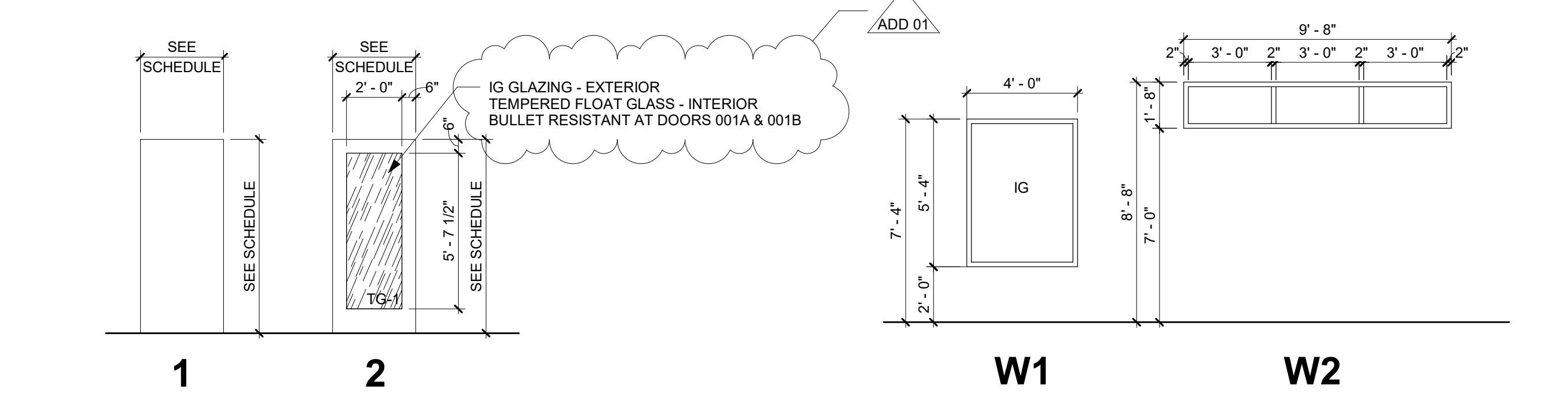
DOOR SCHEDULE									
DOOR #	EXTERIOR DOOR	DOOR SIZE			TYPE	MATL	FRAME		NOTES
		WD	HT	TH			MATL	TYPE	
001A	Yes	5' - 10"	6' - 9"	1 3/4"	2	ALUM	ALUM	-	EXISTING FRAME
001B	No	5' - 10"	6' - 9"	1 3/4"	2	ALUM	ALUM	-	EXISTING FRAME
004	No	3' - 0"	7' - 0"	1 3/4"	1	WD	HM	A	
005	No	3' - 0"	7' - 0"	1 3/4"	1	WD	HM	A	
006	No	3' - 0"	7' - 0"	1 3/4"	1	WD	ALUM	B	
007									
008	No	3' - 0"	7' - 0"	1 3/4"	1	HM	HM	A	
009A	No	3' - 0"	7' - 0"	1 3/4"	1	WD	ALUM	B	
009B	No	3' - 0"	7' - 0"	1 3/4"	1	WD	ALUM	B	
010	No	3' - 0"	7' - 0"	1 3/4"	1	WD	ALUM	C	
011	No	3' - 0"	7' - 0"	1 3/4"	1	WD	ALUM	C	
012	No	3' - 0"	7' - 0"	1 3/4"	1	WD	ALUM	C	
013	No	3' - 0"	7' - 0"	1 3/4"	1	WD	ALUM	D	
014A	Yes	3' - 0"	7' - 0"	1 3/4"	1	HM	HM	A	EXISTING DOOR AND FRAME
014B	No	3' - 0"	7' - 0"	1 3/4"	1	WD	ALUM	B	
015	No	3' - 0"	7' - 0"	1 3/4"	1	WD	ALUM	B	
017A	No	3' - 0"	7' - 0"	1 3/4"	1	WD	ALUM	B	
017B	No	3' - 0"	7' - 0"	1 3/4"	1	WD	ALUM	B	
017C	No	3' - 0"	7' - 0"	1 3/4"	1	WD	ALUM	B	
017D	No	3' - 0"	7' - 0"	1 3/4"	1	WD	ALUM	B	
019	No	3' - 0"	7' - 0"	1 3/4"	1	WD	HM	A	
020	No	3' - 0"	7' - 0"	1 3/4"	1	WD	ALUM	C	
021	No	3' - 0"	7' - 0"	1 3/4"	1	WD	ALUM	C	
022	No	3' - 0"	7' - 0"	1 3/4"	1	WD	ALUM	E	
023	No	3' - 0"	7' - 0"	1 3/4"	1	WD	HM	B	
024A	Yes	3' - 0"	7' - 0"	1 3/4"	2	ALUM	ALUM	-	EXISTING FRAME
024B	No	3' - 0"	7' - 0"	1 3/4"	1	WD	ALUM	B	
025	No	3' - 0"	7' - 0"	1 3/4"	1	WD	ALUM	D	
026	No	3' - 0"	7' - 0"	1 3/4"	1	WD	ALUM	C	
027	No	3' - 0"	7' - 0"	1 3/4"	1	WD	ALUM	B	
028	No	3' - 0"	7' - 0"	1 3/4"	1	HM	HM	A	
029	No	3' - 0"	7' - 0"	1 3/4"	1	HM	HM	A	
030	No	3' - 0"	7' - 0"	1 3/4"	1	HM	HM	A	
031	No	3' - 0"	7' - 0"	1 3/4"	1	HM	HM	A	
032	No	3' - 0"	7' - 0"	1 3/4"	1	HM	HM	A	
033	No	3' - 0"	7' - 0"	1 3/4"	1	HM	HM	A	
034A	No	3' - 0"	7' - 0"	1 3/4"	1	ALUM	ALUM	B	EXISTING ALUMINUM FRAME, NEW DOOR
034B	Yes	3' - 0"	7' - 0"	1 3/4"	2	ALUM	ALUM	F	EXISTING ALUMINUM FRAME, NEW DOOR
035A	No	3' - 0"	7' - 0"	1 3/4"	1	HM	HM	A	
035B	Yes	5' - 0"	8' - 0"	1 3/4"	1	HM	HM	A	
039	No	3' - 0"	7' - 0"	1 3/4"	1	WD	ALUM	D	
040	No	3' - 0"	7' - 0"	1 3/4"	1	WD	ALUM	C	
042	No	3' - 0"	7' - 0"	1 3/4"	1	WD	ALUM	B	
044	No	3' - 0"	7' - 0"	1 3/4"	1	WD	HM	-	1
045	No	3' - 0"	7' - 0"	1 3/4"	1	WD	HM	-	1
046	No	3' - 0"	7' - 0"	1 3/4"	1	WD	HM	-	1
047	No	3' - 0"	7' - 0"	1 3/4"	1	WD	ALUM	B	
048	No	3' - 0"	7' - 2"	1 3/4"	2	ALUM	ALUM	B	
049	No	3' - 6"	7' - 0"	1 3/4"	1	HM	HM	A	
050	No	3' - 6"	7' - 0"	1 3/4"	1	HM	HM	A	
051	No	3' - 0"	7' - 0"	1 3/4"	1	HM	HM	A	
054A	Yes	3' - 0"	7' - 0"	1 3/4"	1	HM	HM	-	EXISTING DOOR AND FRAME
054B	No	3' - 0"	7' - 0"	1 3/4"	1	WD	HM	A	
101	No	3' - 0"	7' - 0"	1 3/4"	1	HM	HM	A	2
102	No	3' - 0"	7' - 0"	1 3/4"	1	HM	HM	A	2

DOOR SCHEDULE NOTES

1. REPAINT EXISTING DOOR FRAME TO REMAIN.
2. REPAINT EXISTING DOOR AND FRAME TO REMAIN.
3. EXISTING ALUMINUM FRAME TO REMAIN.



1 DOOR FRAME TYPES
 SCALE: 1/4" = 1'-0"



2 DOOR TYPES
 SCALE: 1/4" = 1'-0"

3 WINDOW FRAME TYPES
 SCALE: 1/4" = 1'-0"

ROOM FINISH SCHEDULE NOTES

- 1
- REFER TO FLOOR FINISH PLAN FOR FLOOR COVERING LOCATIONS, PATTERNS, AND ACCENT WALL LOCATIONS.
- 2
- REFER TO ELEVATIONS FOR TILE LOCATIONS, PATTERNS, AND ACCENT WALL PATTERNS.
- 3
- 4'-0" HIGH FIBERGLASS-REINFORCED PANELS BEHIND MOP SINK AND ALONG ADJACENT WALL(S).

GENERAL FINISH NOTES

1.
- CONTRACTOR TO VERIFY ALL DIMENSIONS BEFORE CONSTRUCTION AND BEFORE ORDERING MATERIALS. DO NOT SCALE DRAWINGS.
2.
- EPOXY PAINT TO BE USED IN RESTROOMS.
3.
- PROVIDE SCHLUTER TRANSITION STRIPS AT ALL TILE TRANSITIONS. VERIFY WITH ARCHITECT.
4.
- ALL GYPSUM BOARD CEILINGS TO BE PAINTED CEILING WHITE UNLESS NOTED OTHERWISE.
5.
- ALL OTHER TRANSITION STRIPS TO BE SUBMITTED FOR APPROVAL FROM ARCHITECT.
6.
- SEE REFLECTED CEILING PLAN FOR ADDITIONAL CEILING HEIGHTS AND MATERIALS.

FINISH KEY

KEY	PRODUCT	MANUFACTURER	PATTERN / COLOR
1 FLOORING			
CPT1	CARPET TILE	INTERFACE	DRIFTWOOD / CHESNUT
CPT2	CARPET TILE	INTERFACE	WALK THE PLANK / HICKORY
CPT3	CARPET TILE	INTERFACE	SHIVER ME TIMBERS! HICKORY
LVT1	LUXURY VINYL TILE	MANNINGTON	AMTICO, NEUTRAL PINE AROW7770 (4-1/2" X 36" PLANK)
PT1	PORCELAIN TILE	IRIS	MELTED ICE 12X24
PT3	PORCELAIN TILE	IRIS	MELTED ICE 2 X 2
SC	SEALED CONCRETE	SEE SPEC.	SEE SPEC.
VB	VINYL BASE	SEE SPEC.	SEE SPEC.
WOC	WALK OFF CARPET	SEE SPEC.	SEE SPEC.
2 WALL COVERINGS			
P1	PAINT	SHERWIN WILLIAMS	ROCK CANDY - WHITE
P2	PAINT	SHERWIN WILLIAMS	WEB GRAY SW7075
P3	PAINT	SHERWIN WILLIAMS	CEREMONIAL GOLD SW6382
P4	PAINT	SHERWIN WILLIAMS	INKY BLUE SW9149
PT2	PORCELAIN WALL TILE	IRIS	MELTED ICE 6X24
PTB1	PORCELAIN TILE BASE	IRIS	MELTED ICE 3 INCH BULLNOSE
3 PLASTIC LAMINATES / SOLID SURFACES			
PLAM1	PLASTIC LAMINATE	FORMICA	912C-90 STORM (COLOR CORE2) GLOSS FINISH
PLAM2	PLASTIC LAMINATE	FORMICA	8844-WR AGED ASH, WOODBRUSH FINISH
SS1	SOLID SURFACE	CORIAN	SILVER BIRCH
SS2	SOLID SURFACE	CORIAN	DEEP CLOUD
4 CEILING FINISHES			
ACT1	ACOUSTICAL CEILING TILE	SEE SPEC.	SEE SPEC.
ACT2	ACOUSTICAL CEILING TILE	SEE SPEC.	SEE SPEC.

ROOM FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR	BASE	WALLS				NOTES
				NORTH	SOUTH	EAST	WEST	
001	VESTIBULE	WOC	VB1	P1	P1	P1	P1	
002	LOBBY	CPT1	VB1	P1	P1	P1	P1	
003	HALL	CPT1	VB1	P1	P1	P1	P1	
004	UNI R.R.	PT1	PTB1	P1	PT2	P1	P1	2
005	UNI R.R.	PT1	PTB1	P1	PT2	P1	P1	2
006	SMALL CONF.	CPT2, 3	VB1	P1	P4	P1	P1	1
007	RECEPTION	CPT1	VB1	P4	P1	P1	P1	
008	RECEPTION	CPT1	VB1	P1	P4	P1	P1	
009	MED. CONF.	CPT2, 3	VB1	P1	P1	P1	P4	1
010	PLAN EXAMINER	CPT2	VB1	P1	P1	P2	P1	
011	MAN. OFFICE	CPT2	VB1	P1	P1	P2	P1	
012	MAN. OFFICE	CPT2	VB1	P1	P2	P1	P1	
013	DIR. OFFICE	CPT2	VB1	P2	P1	P1	P1	
014	OPEN OFFICE 1	CPT1	VB1	P1	P1	P1	P1	
015	ENCLAVE	CPT1, 2	VB1	P1	P1	P1	P4	1
016	WORK ROOM	CPT1	VB1	P1	P1	P1	P1	
017	LARGE MEETING	CPT2, 3	VB1	P1	P1	P1	P4	1
018	HALL	CPT1	VB1	P1	P1	P1	P1	
019	IT ROOM	SC	VB1	P1	P1	P1	P1	
020	MAN. OFFICE	CPT2	VB1	P1	P1	P1	P2	
021	MAN. OFFICE	CPT2	VB1	P1	P1	P1	P2	
022	DIR. OFFICE	CPT2	VB1	P1	P1	P2	P1	
023	TRAFFIC CONTROL	CPT1	VB1	P1/ P2	P1/ P2	P1/ P2	P1/ P2	
024	OPEN OFFICE 2	CPT1	VB1	P1	P1	P1	P1	
025	DIR. OFFICE	CPT2	VB1	P1	P2	P1	P1	
026	MAN. OFFICE	CPT2	VB1	P1	P2	P1	P1	
027	ENCLAVE	CPT2, 3	VB1	P4	P1	P1	P1	1
028	ELEC	SC	VB1	P1	P1	P1	P1	
029	JANITOR	SC	VB1	P1	P1	P1	P1	3
030	SHR.	PT1, 3	PTB1	P1	P1/ PT1	P1	P1	1, 2
031	MUD ROOM	SC	VB1	P1	P1	P1	P1	3
032	STAIR	EX	VB1	P1	P1	P1	P1	
033	TRAFFIC STOR.	SC	VB1	P1	P1	P1	P1	
034	VEST.	WOC	VB1	P1	P1	P1	P1	
035	REC. STORAGE	SC	VB1	P1	P1	P1	P1	
036	FILE STORAGE	CPT1	VB1	P1	P1	P1	P1	
037	WORK ROOM	CPT1	VB1	P1	P1	P1	P1	
038	HALL	CPT1	VB1	P1	P1	P1	P1	
039	DIR. OFFICE	CPT2	VB1	P2	P1	P1	P1	
040	MAN. OFFICE	CPT2	VB1	P2	P1	P1	P1	
041	OPEN OFFICE 3	CPT1	VB1	P1	P1	P1	P1	
042	SMALL CONF.	CPT2, 3	VB1	P1	P1	P1	P4	1, 2
043	HALL	CPT1	VB1	P1	P1	P1	P1	
044	MEN'S RR	EX	EX	EX	EX	EX	EX	
045	WOMEN'S R.R.	EX	EX	EX	EX	EX	EX	
046	MED. CONFERENCE	CPT2, 3	VB1	P4	P1	P1	P1	
047	LARGE CONF.	CPT2, 3	VB1	P1	P1	P4	P1	1
048	BREAK ROOM	LVT1	VB1	P1	P1	P3	P3	
049	STOR.	SC	VB1	P1	P1	P1	P1	
050	STOR.	SC	VB1	P1	P1	P1	P1	
051	MECH	SC	VB1	P1	P1	P1	P1	
054	STORAGE	SC	VB1	P1	P1	P1	P1	

ADD 01.

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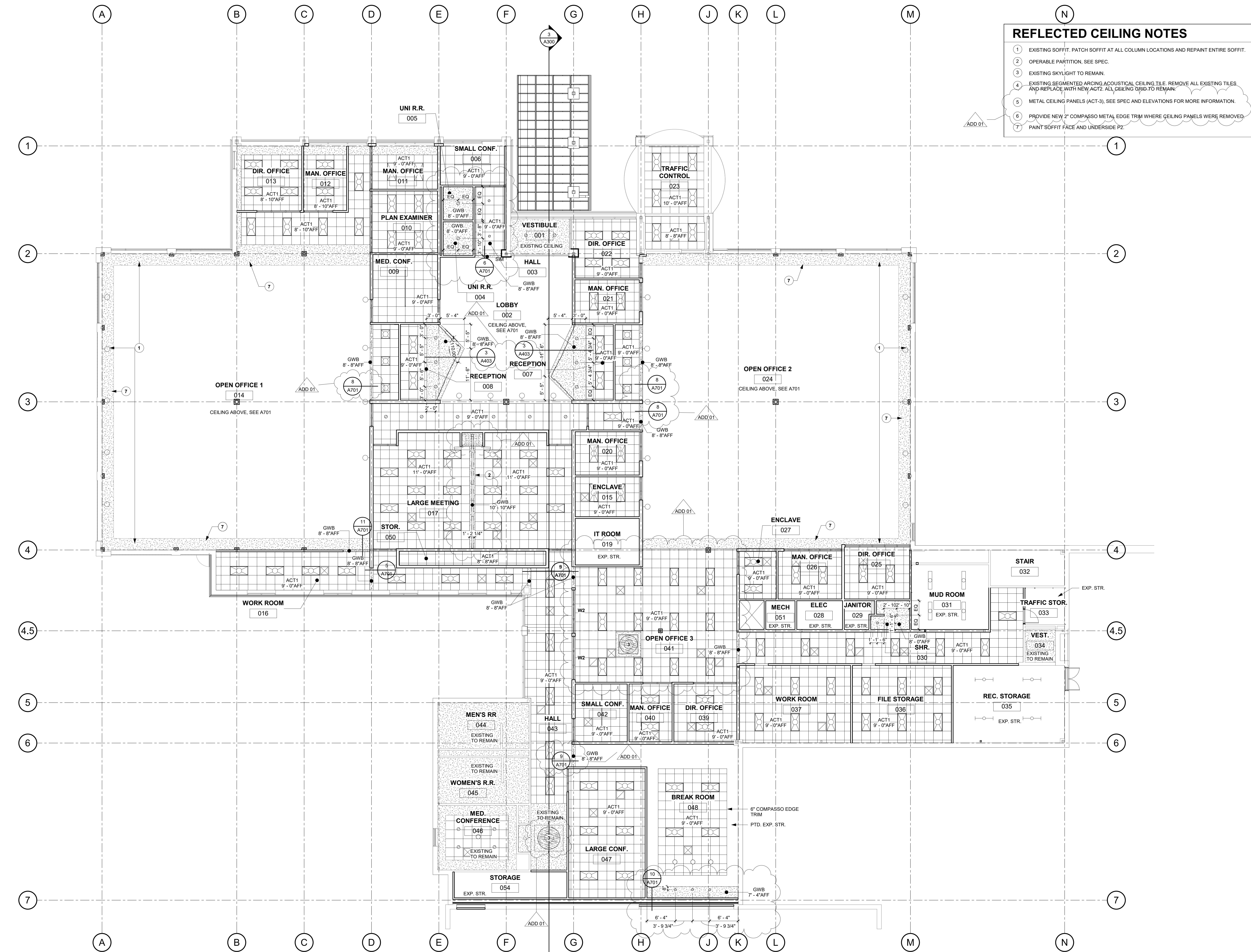
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PROJECT NUMBER

18078

ROOM FINISH KEY &
SCHEDULES

A602



REFLECTED CEILING NOTES

- EXISTING SOFFIT. PATCH SOFFIT AT ALL COLUMN LOCATIONS AND REPAINT ENTIRE SOFFIT.
- OPERABLE PARTITION. SEE SPEC.
- EXISTING SKYLIGHT TO REMAIN.
- EXISTING SEGMENTED ARCING ACOUSTICAL CEILING TILE. REMOVE ALL EXISTING TILES AND REPLACE WITH NEW ACT2. ALL CEILING GRID TO REMAIN.
- METAL CEILING PANELS (ACT-3), SEE SPEC AND ELEVATIONS FOR MORE INFORMATION.
- PROVIDE NEW 2" COMPASSO METAL EDGE TRIM WHERE CEILING PANELS WERE REMOVED.
- PAIN SOFFIT FACE AND UNDERSIDE P2.

1 FLOOR PLAN
SCALE: 1/8" = 1'-0"

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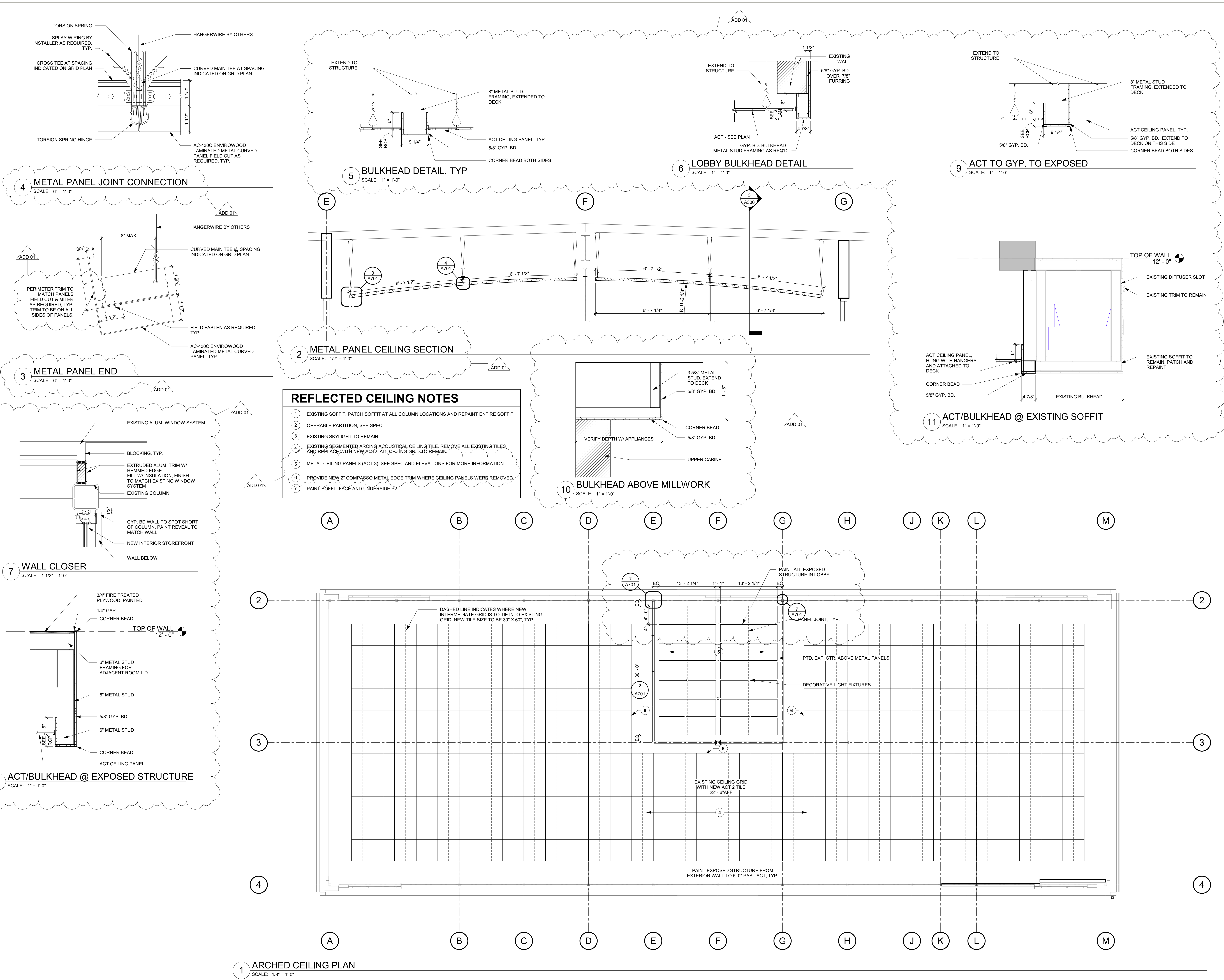
PROJECT NUMBER

18078

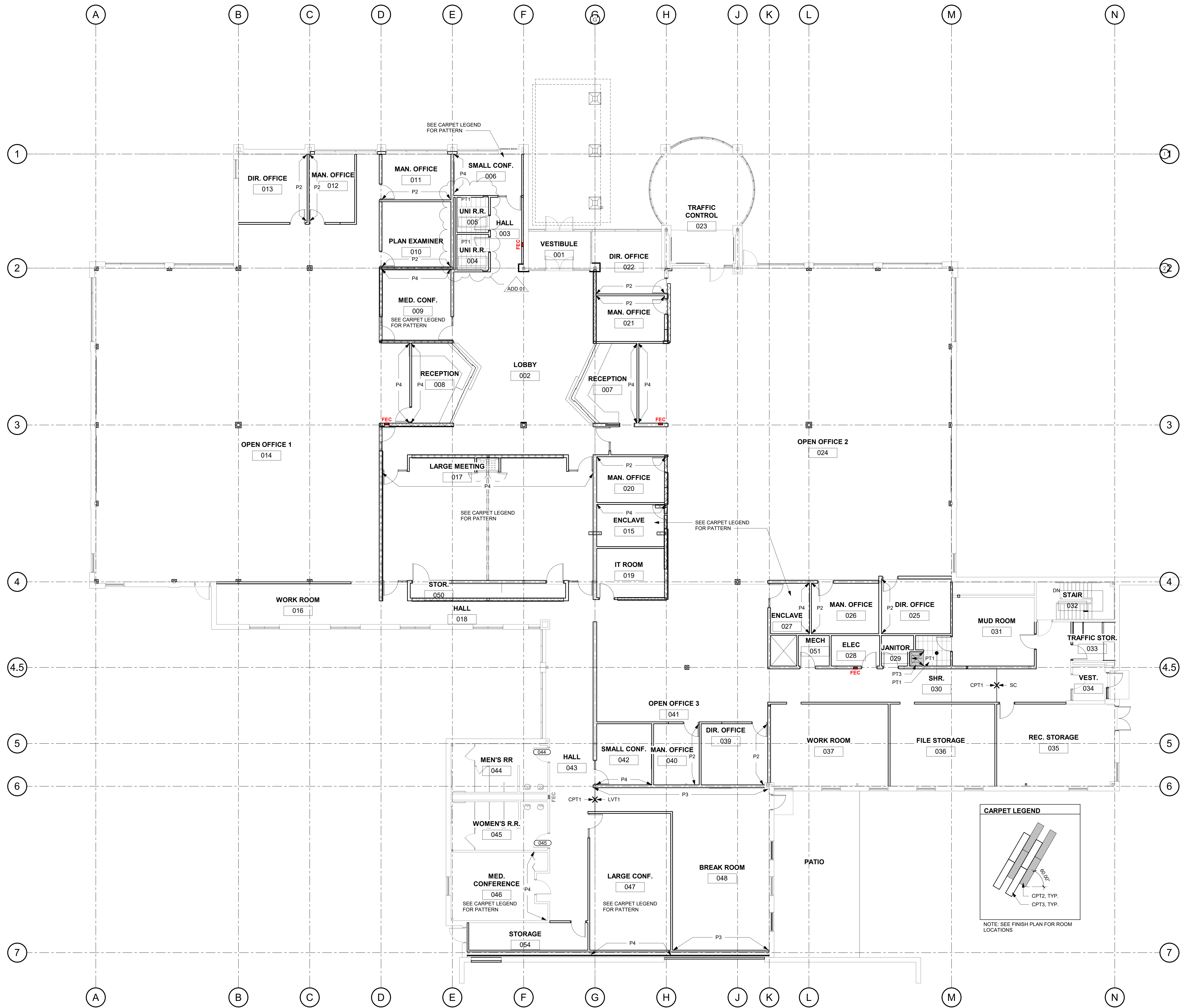
REFLECTED CEILING
PLAN

A700

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1 FLOOR PLAN - FLOOR FINISH PLAN
SCALE: 1/8" = 1'-0"

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PROJECT NUMBER

18078

FLOOR FINISH PLAN

A800

November 07, 2019

ADDENDUM NUMBER TWO
To Contract Documents for:
ANKENY PUBLIC SERVICES LIBRARY REMODEL
SVPA Project No. 18078

DATE: November 7, 2019

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This addendum is issued to modify, clarify, or amend the original Project Manual and /or Drawings and is hereby made part of the Contract Documents dated October 21, 2019. The Contractor shall be responsible for incorporating items in this Addendum to the Work. Attach this addendum to the Project Manual(s) in your possession. Acknowledge receipt of this Addendum by number where indicated on the Bid Form. Failure to do so may subject Bidder to disqualification. The following shall take precedence over anything to the contrary in the Project Manual, in the Drawings, or in prior Addenda

This Addendum consists of (5) pages and the following attachments:

- (11) Page New Section 04 20 00
- (3) Page New Section 08 56 53
- (4) Page new Section 26 70 10
- (13) Full Size Revised Drawings C103, C200, C300, C400, C502, C503, C505, C508, C509, C510, E001, E200, E300

CHANGES TO ADDENDUM 01

1. CHANGES TO THE PROCUREMENT DOCUMENTS

- A. Item 2.A.1 and 2.A.2 should read as "2020", not "2019". The re-issued construction progress schedule is correct.

2. PRODUCT APPROVALS

A. Section 10 73 00 Polycarbonate Canopies

- 1. After further review, Crystal Structure/Palram by Sunshine Rooms has been **rejected** as an accepted substitution.
- 2. After further review, WeatherShade Mono Canopy by Solutions in Polycarbonate has been **approved** as an accepted substitution.
- 3. This information has also been noted in Product Approvals below.

3. CHANGES TO THE DRAWINGS

A. A601 DOOR AND WINDOW ELEVATIONS

1. Window Frame Types 3/A601

- a. **REVISE** note to W1 to read "New glazed aluminum storefront".

QUESTIONS/CLARIFICATIONS

1. CONTRACT ADMINISTRATION WEBSITE

- A. Contractor question: "01 33 00: 1.3D says the GC shall include all costs for the contract administration website in their bid. I have not found anything more specific for what is going to be required (Submittal Exchange? Procore?)." **Answer:** Contractor may choose the contract administration website to be used. Submittal Exchange and Procore are preferred vendors but contractor is not limited to those services.

PRODUCT APPROVALS

Preliminary approvals of products are indicative of the general acceptability of the product based on the quality, manufacturer's and representative's integrity, availability of service and similar general considerations. Final approval will be contingent upon compliance with detailed Specifications.

Section	Product	Manufacturer
095123 ACT	Radians Arboreal	Ceilings Plus
107300 Polycarbonate Canopy	WeatherShade Mono Canopy	Solutions in Polycarbonate
23 09 00	Controls	Johnson Controls
23 34 23	Roof Ventilators	Soler & Palau
23 37 13	Registers & Grilles	Anemostat
23 82 39	Electric Unit Heaters	Stelpro
Lighting Fixtures	Type	
	F1, F1A	Signify, Daybright, Metalux
	F2	H.E. Williams, Signify, Prescolite, Portfolio
	F2A	Alphabet, Portfolio
	F4	Manning, SAL
	F5	H.E. Williams, Prescolite, Portfolio
	F6	Camman
	F7, F7A	Contech, Columbia
	F10-9, F10-14	Focalpoint, Pinnacle
	F13	Columbia, H.E. Williams, Signify, Metalux
	F14	Columbia, Signify, Metalux
	F15	Bega, Ametrix
	F16	H.E. Williams, Prescolite, Signify
	P1, P2, P3	Beacon, Cree, Signify, McGraw-Edison
	P30-1, P30-2	WJM, Valmont, Unite Lighting Standards
	WP1	Hubbell, H.E. Williams, McGraw-Edison
Lighting Controls	Type	
	OS1, OS2, PC, S1, S2, S3	Crestron
Horizontal Cabling	6A Shielded Cable	Signamax
Video Management Sys	Server	BCDVideo

NOT APPROVED

Section	Product	Manufacturer
095123 ACT	Illusions Sarante	Ceilings Plus
107300 Polycarbonate Canopy	Crystal Structures/Palram	Sunshine Rooms

CHANGES TO THE SPECIFICATIONS

1. **00 42 00 Unit Masonry**
 - A. ADD this Section in its entirety, attached to this addendum.
2. **08 80 00 Glazing**
 - A. ADD Paragraph 2.1.A.6 to read as follows: "Total Security Solutions".
 - B. REVISE Paragraph 2.2.E to read as follows: "Bullet Resistant Glazing Units"
 - C. REVISE entire Paragraph 2.10 to read as follows:
"2.10 BULLET RESISTANT- GLAZING UNITS (BRG)
 - A. Performance Testing: U.L. Level 3-.44 Mag
 - B. Construction: Laminated Polycarbonate:
 1. Threat Layer 1: 1/8" Mar Resistant Polycarbonate
 2. Layer 2: .025 Urethane
 3. Level 3: 1" Acrylic
 4. Layer 4: .025 Urethane
 5. Secure Layer 5: 1/8" Mar Resistant Polycarbonate
 - C. Thickness: 1.25" nominal. Weight: 7.7 lbs/sf.
 - D. Applicable standards: ANSI Z97.1, ASTM C1036, ASTM C1172.
 - E. Manufacturer: Total Security Solutions, Product: LP 1250 BR 1-1/4".
 - D. ADD Paragraph 3.2.C to read as follows:
"C. It is imperative to clean the bullet-resistant glazing units during and after the construction period to maintain optimum performance and aesthetic properties. To clean, use a soft, clean cloth and a mild soap, detergent, or slightly acidic cleaning solution (such as vinegar). Wipe with a clean, lint-free cloth."
3. **08 56 53 Horizontal Sliding Transaction Window System**
 - A. ADD this section in its entirety, attached to this addendum.
4. **12 24 13 Roller Window Shades**
 - A. DELETE Paragraph 2.1.C.2.
 - B. DELETE Paragraphs 2.1.H and 2.1.I.
 - C. REVISE Paragraph 2.1.L to read as follows: "Shade Operation: Manual."
5. **27 80 10 Electric Hand Dryer**
 - A. **ADD** this section in its entirety, attached to this addendum.
6. **26 32 13 Engine Generators**
 - A. **REVISE** Part 2.06 Generator Set Enclosure to add Part K: "Provide motorized intake and gravity discharge louvers".
7. **26 36 00 Transfer Switches**
 - A. **REVISE** Part 2.02 Contactor-Type Automatic Transfer Switches. Add Cummins OTPC, CAT CTS, MTU, and ASCO 300 as approved ATS manufacturers.
8. **28 13 16 – Security Management System**
 - A. **DELETE** section 2.01.C Hardware Requirements. Section referred to an access control system that did not use the Mercury hardware that is required for the RS2 System.
9. **28 2000 – Video Management System**
 - A. **REVISE** paragraph 2.03.G.1 to read: Provide a minimum of 30 days of total retention based on the parameters illustrated on the camera schedule.

CHANGES TO THE DRAWINGS

1. **C103 Demolition Plan**
 - A. Modifications include tree and shrub removal at the building main entrance and construction note regarding demolition and abandonment of irrigation system.
2. **C200 Dimension Plan**
 - A. The modification proposing three flag poles with concrete pad as shown on plan and as detailed. The addition of bike rack loops with concrete pad as shown on plan.
 - B. Modifications to trail alignment and location where it crosses the north drive, north of the parking lot.
3. **C300 Grading Plan**
 - A. Additional proposed spot elevations with contours.
4. **C400 Planting Plan**
 - A. Modification to shrub size shown on the plant schedule as shown on plan.
5. **C502 Roadway Quantities**
 - A. Modifications include quantities and descriptions as shown.
6. **Sheet C503 Plan View**
 - A. The addition of detectable warnings in the sidewalk as shown.
7. **Sheet C505 Traffic Control**
 - A. Staging note description update.
8. **Sheet C508 Traffic Control**
 - A. Sidewalk closed updates.
9. **Sheet C509 Pavement Markings**
 - A. Station information.
10. **Sheet C510 Geometrics and Jointing**
 - A. Sidewalk and station information.
11. **A601 Door and Window Elevations**
 - A. ADD Door Type 2 Note to read: Provide bullet resistant glass at Door 001B.
12. **E001 – Electrical Site Plan**
 - A. REVISE keyed note #1 to add “Provide 120V power to camera location. Connect parking lot cameras to spare 20A/1P breaker LCS-21. Upsize branch circuit conductors for voltage drop.”
 - B. ADD additional flagpole light fixture. Refer to attached sheet E001.
13. **E200 – Main Floor Lighting**
 - A. REISSUE attached sheet E200 with modified layout and additional details for mezzanine lighting plan.
14. **E300 – Main Floor Power**
 - A. REISSUE attached sheet E300 with fire alarm devices hidden. Fire alarm devices are only intended to be shown on T200 – Main Floor Safety and Security.
15. **E600 – Schedules**
 - A. REVISE description of light fixture type F4 to add: “Provide and install with 4000K LED MR16 downlight lamp”.

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B. REVISE fixture type F13A to Lithonia model number 76-4-L53/840-DIM-UNV

16. **T200 Main Floor Safety and Security**

A. **REVISE** Camera 1 in camera schedule be part number PNF9010R.

END OF ADDENDUM 02

**SECTION 04 20 00
UNIT MASONRY**

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes unit masonry assemblies consisting of the following:
 - 1. Concrete masonry units (CMUs). (at Trash Enclosure)
- B. See Division 05 Section "Metal Fabrications" for furnishing steel lintels and shelf angles for unit masonry.
- C. See Division 07 Section "Sheet Metal Flashing and Trim" for furnishing manufactured reglets installed in masonry joints for metal flashing.

1.2 SUBMITTALS

- A. Product Data: For each type of product indicated.
 - 1. Material Certificates: For each type of product indicated. Include statements of material properties indicating compliance with requirements including compliance with standards and type designations within standards.
 - a. For masonry units include material test reports substantiating compliance with requirements.
 - 2. Mix Designs: For each type of mortar and grout. Include description of type and proportions of ingredients.
- B. Steel Reinforcement Shop Drawings: Details of fabrication, bending, and placement, prepared according to ACI 315, "Details and Detailing of Concrete Reinforcement". Include material, grade, bar schedules, tie and/or stirrup spacing, splices, bent bar diagrams, and other arrangements and assemblies required for fabrication and placement of reinforcement for masonry work. Show all walls in plan and elevation.
- C. Samples for each type and color of exposed masonry units and colored mortars.

1.3 QUALITY ASSURANCE

- A. Preconstruction Testing Service: Owner will engage a qualified independent testing agency to perform preconstruction testing indicated below. Payment for these services will be made by Owner.
 - 1. Concrete Masonry Unit Test: For each type of unit required, per ASTM C 140.
 - 2. Mortar Test (Property Specification): For each mix required, per ASTM C 780.
 - 3. Grout Test (Compressive Strength): For each mix required, per ASTM C 1019.
- B. Installer qualifications: An experienced masonry contractor (company or corporation) that has been in business for not less than 10 years and has completed masonry work similar in materials, design, and extent to that indicated for this Project and whose work has resulted in construction with a record of successful in-service performance. The masonry company shall also be required to commit a foreman or mason in charge of overseeing and directing the daily construction activities in the field who is an experienced mason with not less than 15 years of experience as a masonry installer and has overseen masonry work similar in materials, design, and extent to that

indicated for this Project. Masonry contractor may be required to submit references of past projects within the last 10 years of similar scope to the Project.

1.4 PROJECT CONDITIONS

- A. Cold-Weather Requirements: Do not use frozen materials or materials mixed or coated with ice or frost. Do not build on frozen substrates. Remove and replace unit masonry damaged by frost or by freezing conditions. Comply with cold-weather construction requirements contained in ACI 530.1/ASCE 6/TMS 602.
 - 1. Extend cover a minimum of 24 inches down both sides and hold cover securely in place.
- B. Protection of Masonry: During construction, cover tops of walls, projections, and sills with waterproof sheeting at end of each day's work. Cover partially completed masonry when construction is not in progress.
 - 1. Extend cover a minimum of 24 inches down both sides and hold cover securely in place.
- C. Stain Prevention: Prevent grout, mortar, and soil from staining the face of masonry to be left exposed or painted. Immediately remove grout, mortar, and soil that come in contact with such masonry.
 - 1. Protect base of walls from rain-splashed mud and from mortar splatter by coverings spread on ground and over wall surface.
 - 2. Protect sills, ledges, and projections from mortar droppings.
 - 3. Protect surfaces of window and door frames, as well as similar products with painted and integral finishes, from mortar droppings.
 - 4. Turn scaffold boards near the wall on edge at the end of each day to prevent rain from splashing mortar and dirt onto completed masonry.
- D. Do not apply uniform floor or roof loads for at least 12 hours and concentrated loads for at least 3 days after building masonry walls or columns.
- E. Hot-Weather Requirements: Comply with hot-weather construction requirements contained in ACI 530.1/ASCE 6/TMS 602.
 - 1. When ambient temperature exceeds 100 deg F, or 90 deg F with a wind velocity greater than 8 mph, do not spread mortar beds more than 48 inches ahead of masonry. Set masonry units within one minute of spreading mortar.

PART 2 - PRODUCTS

2.1 CONCRETE MASONRY UNITS (CMUs)

- A. Shapes: Provide special shapes for lintels, corners, jambs, sashes, movement joints, headers, bonding, and other special conditions as indicated on drawings. For interior block work, provide bull-nosed corner blocks at exposed corners.
- B. Concrete Masonry Units: ASTM C 90.
 - 1. Unit Compressive Strength: Provide units with minimum average net-area compressive strength of 1900 psi.
 - 2. Weight Classification: Normal weight, Grade N.
 - 3. Provide Type I, moisture-controlled units.
 - 4. Pattern and Texture for Standard Units:
 - a. Standard running bond pattern.
 - b. Toll all joints concave.

2.2 MORTAR AND GROUT MATERIALS

- A. Portland Cement: ASTM C 150, Type I or II, except Type III may be used for cold-weather construction.
- B. Hydrated Lime: ASTM C 207, Type S and Type N.
- C. Mortar Pigments: Iron oxides and chromium oxides, compounded for use in mortar mixes. Use only pigments with a record of satisfactory performance in masonry mortar.
 - 1. Products:
 - a. Bayer Corporation, Industrial Chemicals Div.; Bayferrox Iron Oxide Pigments.
 - b. Davis Colors; True Tone Mortar Colors.
 - c. Solomon Grind-Chem Services, Inc.; SGS Mortar Colors.
- D. Colored Cement Product: Packaged blend made from portland cement and lime or masonry cement and mortar pigments, all complying with specified requirements, and containing no other ingredients.
 - 1. Formulate blend as required to produce color indicated or, if not indicated, as selected from manufacturer's standard colors.
 - 2. Products:
 - a. Colored Portland Cement-Lime Mix:
 - 1) Capital Materials Corporation; Riverton Portland Cement Lime Custom Color.
 - 2) Holcim (US) Inc.; Rainbow Mortamix Custom Color Cement/Lime.
 - 3) Lafarge North America Inc.; Eaglebond.
 - 4) Lehigh Cement Company; Lehigh Custom Color Portland/Lime Cement.
 - b. Colored Masonry Cement:
 - 1) Capital Materials Corporation; Flamingo Color Masonry Cement.
 - 2) Essroc, Italcementi Group; Brixment-in-Color.
 - 3) Holcim (US) Inc.; Rainbow Mortamix Custom Color Masonry Cement.
 - 4) Lafarge North America Inc.
 - 5) Lehigh Cement Company; Lehigh Custom Color Masonry Cement.
 - 6) National Cement Company, Inc.; Coosa Masonry Cement.
- E. Aggregate for Mortar: ASTM C 144.
 - 1. For joints less than 1/4 inch thick, use aggregate graded with 100 percent passing the No. 16 sieve.
 - 2. Colored-Mortar Aggregates: Natural sand or crushed stone of color necessary to produce required mortar color.
- F. Aggregate for Grout: ASTM C 404.
- G. Cold-Weather Admixture: Nonchloride, noncorrosive, accelerating admixture complying with ASTM C 494/C 494M, Type C, and recommended by manufacturer for use in masonry mortar of composition indicated.
 - 1. Products:
 - a. Addiment Incorporated; Mortar Kick.
 - b. Euclid Chemical Company (The); Accelguard 80.
 - c. Grace Construction Products, a unit of W. R. Grace & Co. - Conn.; Morset.
 - d. Sonneborn, Div. of BASF.
- H. Water-Repellent Admixture: At exterior applications, or as noted on drawings, provide liquid water-repellent mortar admixture intended for use with concrete masonry units, containing integral water repellent by same manufacturer. Apply to decorative concrete units in factory.

1. Products:
 - a. Addiment Incorporated; Mortar Tite.
 - b. Grace Construction Products, a unit of W. R. Grace & Co. - Conn.; Dry-Block Mortar Admixture.
 - c. Master Builders, Inc.

I. Water: Potable.

2.3 REINFORCEMENT AND TIES

- A. Uncoated Steel Reinforcing Bars: ASTM A 615, Grade 60.
- B. Weldable Steel Reinforcing Bars: ASTM A706, Grade 60.
- C. Masonry Joint Reinforcement and Ties: ASTM A 951; hot-dip galvanized, carbon-steel wire for both interior and exterior walls.
 1. Wire Size for Side Rods: W1.7 or 0.148-inch diameter.
 2. Wire Size for Cross Rods: 9 gauge W1.7 or 0.148-inch diameter.
 3. Spacing of Cross Rods, Tabs, and Cross Ties: Not more than 16 inches o.c. Provide in lengths of not less than 10 feet, with prefabricated corner and tee units.
 4. Single-Wythe Masonry: Either ladder or truss type with single pair of side rods.
 5. Multiwythe Masonry:
 - a. Adjustable (two-piece) type, with one side rod at each face shell of backing wythe and with ties that extend into facing wythe. Ties engage eyes or slots in reinforcement and extend at least halfway through facing wythe but with at least 5/8-inch cover on outside face.

2.4 EMBEDDED FLASHING MATERIALS (Provide both A, B and C in combination for thru-wall flashing)

- A. Metal Flashing: Provide metal flashing, where flashing is exposed or partly exposed and where indicated, complying with Division 07 Section "Sheet Metal Flashing and Trim."
 1. Metal Drip Edges: Fabricate from stainless steel. Extend at least 3 inches into wall and 1/2 inch out from wall, with outer edge bent down 30 degrees and hemmed.
 2. Metal Flashing Terminations: Fabricate from stainless steel. Extend at least 3 inches into wall and out to exterior face of wall. At exterior face of wall, bend metal back on itself for 3/4 inch and down into joint 3/8 inch to form a stop for retaining sealant backer rod.
 3. Metal Expansion-Joint Strips: Fabricate from stainless steel to shapes indicated.
- B. Flexible Flashing: For flashing not exposed to the exterior, use one of the following, unless otherwise indicated:
 1. Rubberized-Asphalt Flashing: Composite flashing product consisting of a pliable, adhesive rubberized-asphalt compound, bonded to a high-density, cross-laminated polyethylene film to produce an overall thickness of not less than 0.040 inch.
 - a. Products:
 - 1) Advanced Building Products Inc.; Strip-N-Flash.
 - 2) Carlisle Coatings & Waterproofing; CCW-705-TWF Thru-Wall Flashing.
 - 3) Dayton Superior Corporation, Dur-O-Wal Division; Dur-O-Barrier-44.
 - 4) Grace Construction Products, a unit of W. R. Grace & Co. - Conn.; Perm-A-Barrier Wall Flashing.
 - 5) Heckmann Building Products Inc.; No. 82 Rubberized-Asphalt Thru-Wall Flashing.
 - 6) Hohmann & Barnard, Inc.; Textroflash.
 - 7) Polyguard Products, Inc.; Polyguard 300.

- 8) Polytite Manufacturing Corp.; Poly-Barrier Self-Adhering Wall Flashing.
- 9) Williams Products, Inc.; Everlastic MF-40.

- C. Termination bar equivalent to Hohmann & Barnard, Inc. type T1 (use at metal stud walls).
- D. Solder and Sealants for Sheet Metal Flashings: As specified in Division 07 Section "Sheet Metal Flashing and Trim."
- E. Adhesives, Primers, and Seam Tapes for Flashings: Flashing manufacturer's standard products or products recommended by flashing manufacturer.

2.5 MISCELLANEOUS MASONRY ACCESSORIES

- A. Compressible Filler: Premolded filler strips complying with ASTM D 1056, Grade 2A1; compressible up to 35 percent; formulated from urethane.
- B. Preformed Control-Joint Gaskets: Made from styrene-butadiene-rubber compound, complying with ASTM D 2000, Designation M2AA-805 or PVC, complying with ASTM D 2287, Type PVC-65406 and designed to fit standard sash block and to maintain lateral stability in masonry wall.
- C. Bond-Breaker Strips: Asphalt-saturated, organic roofing felt complying with ASTM D 226, Type I (No. 15 asphalt felt).
- D. Weep/Vent Products: Free-draining mesh, made from 90% open weave polyester mesh with antimicrobial and flame-retardant additives.
- E. Cavity Drainage Material: Free-draining mesh, made from polymer strands that will not degrade within the wall cavity.
 - 1. Provide one of the following configurations:
 - a. Strips, 2 inches thick and 10 inches wide, with dovetail shaped notches 7 inches deep.
 - 2. Products:
 - a. Mortar Net USA, Ltd.; Mortar Net.

2.6 MASONRY CLEANERS

- A. Proprietary Acidic Cleaner: Manufacturer's standard-strength cleaner designed for removing mortar/grout stains from new masonry without damaging masonry. Use product approved for intended use by cleaner manufacturer and manufacturer of masonry units being cleaned.
 - 1. Manufacturers:
 - a. Diedrich Technologies, Inc.
 - b. EaCo Chem, Inc.
 - c. ProSoCo, Inc.

2.7 MORTAR AND GROUT MIXES

- A. General: Do not use admixtures, unless otherwise indicated.
 - 1. Do not use calcium chloride in mortar or grout.
 - 2. Limit cementitious materials in mortar for exterior and reinforced masonry to portland cement and lime.
 - 3. Add cold-weather admixture (if used) at same rate for all mortar that will be exposed to view, regardless of weather conditions, to ensure that mortar color is consistent.

- B. Mortar for Unit Masonry: Comply with ASTM C 270, Property Specification.
 - 1. For masonry below grade or in contact with earth, use Type S.
 - 2. For reinforced masonry, use Type S.
 - 3. For non-load-bearing walls and parapet masonry applications where another type is not indicated, use Type N.
- C. Pigmented Mortar: Use colored cement product or select and proportion pigments with other ingredients to produce color required. Do not add pigments to colored cement products.
 - 1. Pigments shall not exceed 10 percent of portland cement by weight.
 - 2. Pigments shall not exceed 5 percent of masonry cement by weight.
- D. Grout for Unit Masonry: Comply with ASTM C 476.
 - 1. Coarse grout with 2,000 psi minimum 28-day compressive strength.
 - 2. Provide grout with a slump of 8 to 11 inches as measured according to ASTM C 143/C 143M.

PART 3 - EXECUTION

3.1 INSTALLATION, GENERAL

- A. Use full-size units without cutting if possible. If cutting is required, cut units with motor-driven saws; provide clean, sharp, unchipped edges. Allow units to dry before laying unless wetting of units is specified. Install cut units with cut surfaces and, where possible, cut edges concealed.
- B. Select and arrange units for exposed unit masonry to produce a uniform blend of colors and textures.
- C. Comply with tolerances in ACI 530.1/ASCE 6/TMS 602 and with the following:
 - 1. For conspicuous vertical lines, such as external corners, door jambs, reveals, and expansion and control joints, do not vary from plumb by more than 1/8 inch in 10 feet, 1/4 inch in 20 feet, or 1/2 inch maximum.
 - 2. For conspicuous horizontal lines, such as lintels, sills, parapets, and reveals, do not vary from level by more than 1/8 inch in 10 feet, 1/4 inch in 20 feet, or 1/2 inch maximum.

3.2 LAYING MASONRY WALLS

- A. Lay out walls in advance for accurate spacing of surface bond patterns with uniform joint thicknesses and for accurate location of openings, movement-type joints, returns, and offsets. Avoid using less-than-half-size units, particularly at corners, jambs, and, where possible, at other locations.
- B. Bond Pattern for Concrete Masonry: Lay exposed masonry in running bond; do not use units with less than nominal 4-inch horizontal face dimensions at corners or jambs
- C. Built-in Work: As construction progresses, build in items specified in this and other Sections. Fill in solidly with masonry around built-in items.
- D. Fill space between steel frames and masonry solidly with mortar, unless otherwise indicated.
- E. Fill cores in hollow concrete masonry units with grout 24 inches under bearing plates, beams, lintels, posts, and similar items, unless otherwise indicated.

3.3 MORTAR BEDDING AND JOINTING

- A. Lay concrete masonry units as follows:
 - 1. With face shells fully bedded in mortar and with head joints of depth equal to bed joints.
 - 2. With webs fully bedded in mortar in all courses of piers, columns, and pilasters.
 - 3. With webs fully bedded in mortar in grouted masonry, including starting course on footings.
 - 4. With entire units, including areas under cells, fully bedded in mortar at starting course on footings where cells are not grouted.
- B. Lay solid masonry units with completely filled bed and head joints; butter ends with sufficient mortar to fill head joints and shove into place. Do not deeply furrow bed joints or slush head joints.
- C. Tool exposed joints slightly concave when thumbprint hard, using a jointer larger than joint thickness, unless otherwise indicated.
- D. Cut joints flush for masonry walls to receive plaster or other direct-applied finishes (other than paint), unless otherwise indicated.

3.4 CAVITY WALLS

- A. Bond wythes of cavity walls together using one of the following methods:
 - 1. Masonry Joint Reinforcement: Installed in horizontal mortar joints.
 - a. Where bed joints of both wythes align, use tab-type reinforcement.
 - b. Where bed joints of wythes do not align, use adjustable (two-piece) type reinforcement.
 - c. Where one wythe is of clay masonry and the other of concrete masonry, use adjustable (two-piece) type reinforcement to allow for differential movement regardless of whether bed joints align.
- B. Keep cavities clean of mortar droppings and other materials during construction. Bevel beds away from cavity, to minimize mortar protrusions into cavity. Do not attempt to trowel or remove mortar fins protruding into cavity.
- C. Coat cavity face of backup wythe to comply with Division 07 Section "Bituminous Dampproofing."

3.5 MASONRY JOINT REINFORCEMENT

- A. General: Install in mortar with a minimum cover of 5/8 inch on exterior side of walls, 1/2 inch elsewhere. Lap reinforcement a minimum of 6 inches.
- B. Interrupt joint reinforcement at control and expansion joints, unless otherwise indicated.
- C. Provide continuity at wall intersections by using prefabricated T-shaped units.
- D. Provide continuity at corners by using prefabricated L-shaped units.

3.6 FLASHING, WEEP HOLES, CAVITY DRAINAGE, AND VENTS

- A. General: Install embedded flashing and weep holes in masonry at shelf angles, lintels, ledges, other obstructions to downward flow of water in wall, and where indicated.
- B. Install flashing as follows, unless otherwise indicated:

1. Prepare masonry surfaces so they are smooth and free from projections that could puncture flashing. Where flashing is within mortar joint, place through-wall flashing on sloping bed of mortar and cover with mortar. Before covering with mortar, seal penetrations in flashing as recommended by flashing manufacturer.
 2. At lintels and shelf angles, extend flashing a minimum of 6 inches into masonry at each end. At heads and sills, extend flashing 6 inches at ends and turn up not less than 2 inches to form end dams.
 3. Install metal drip edges beneath flexible flashing at exterior face of wall. Stop flexible flashing 1/2 inch back from outside face of wall and adhere flexible flashing to top of metal drip edge.
 4. Install metal flashing termination beneath flexible flashing at exterior face of wall. Stop flexible flashing 1/2 inch back from outside face of wall and adhere flexible flashing to top of metal flashing termination.
- C. Install weep vent product in the head joints in exterior wythes of the first course of masonry immediately above embedded flashing and as follows:
1. Space weep holes 24 inches o.c.
- D. Place cavity drainage material in cavities to comply with configuration requirements for cavity drainage material in Part 2 "Miscellaneous Masonry Accessories" Article.

3.7 CONTROL AND EXPANSION JOINTS

- A. General: Install control and expansion joint materials in unit masonry as masonry progresses. Do not allow materials to span control and expansion joints without provision to allow for in-plane wall or partition movement.
- B. Form expansion joints in brick made from clay or shale as follows:
1. Build flanges of metal expansion strips into masonry. Lap each joint 4 inches in direction of water flow. Seal joints below grade and at junctures with horizontal expansion joints if any.
 2. Build flanges of factory-fabricated, expansion-joint units into masonry.
 3. Build in compressible joint fillers where indicated.
 4. Form open joint full depth of brick wythe and of width indicated, but not less than 3/8 inch for installation of sealant and backer rod specified in Division 07 Section "Joint Sealants."
- C. Provide horizontal, pressure-relieving joints by either leaving an air space or inserting a compressible filler of width required for installing sealant and backer rod specified in Division 07 Section "Joint Sealants," but not less than 3/8 inch.
1. Locate horizontal, pressure-relieving joints beneath shelf angles supporting masonry.

3.8 REINFORCED UNIT MASONRY INSTALLATION

- A. Temporary Formwork and Shores: Construct formwork and shores to support reinforced masonry elements during construction.
1. Construct formwork to conform to shape, line, and dimensions shown. Make it sufficiently tight to prevent leakage of mortar and grout. Brace, tie, and support forms to maintain position and shape during construction and curing of reinforced masonry.
 2. Do not remove forms and shores until reinforced masonry members have hardened sufficiently to carry their own weight and other temporary loads that may be placed on them during construction.
- B. Placing Reinforcement: Comply with requirements of ACI 530.1/ASCE 6/TMS 602:

1. Provide horizontal and vertical reinforcement indicated on Drawings. Position reinforcement accurately at the spacing indicated.
 2. Restrain vertical reinforcement against displacement at top and bottom of cells and at intervals not exceeding 192 bar diameters. Maintain position within ½ inch of dimensioned position.
 3. Provide clear distance between parallel bars in close proximity of not less than the nominal bar diameter of 1", whichever is greater.
 4. For columns, pilaster, and piers, provide clear distance between vertical bars of not less than 1.5 times nominal bar diameter of 1 ½", whichever is greater. Provide lateral ties as indicated.
 5. Dowels in footings shall be set to align with cores containing reinforcing steel.
 6. Splice reinforcement as required. Provide contact, lapped splices, unless otherwise indicated. Provide clear distance between contact, lap slices, and adjacent bars or splices not less than the nominal bar diameter, or 1", whichever is greater.
 7. Lintels comprised of reinforced concrete masonry shall be constructed with two bars within 3 inches of the bottom of the masonry unit. Masonry units shall be shaped to accommodate the required reinforcing configuration. Reinforcing shall extend no less than 40 bar diameters beyond the edge of the spanned opening into a continuous bond beam or passing through reinforced jamb cells.
 8. Horizontal reinforcement may be placed as the masonry work progresses. Lap horizontal reinforcement 6" at splices and provide prefabricated "L" and "T" sections at corners and intersections. Install horizontal joint reinforcement as follows:
 - a. Interior non-load bearing walls - 24" o.c. vertically.
 - b. Exterior walls and interior load bearing walls - 16" o.c. vertically.
 - c. Parapet walls - 8" o.c. vertically unless noted otherwise.
 - d. Two courses above and below openings. Extend 16" each side of opening.
 - e. Continuous in first and second joint below top of walls.
 9. Lay masonry units with core cells vertically aligned clear of mortar and unobstructed.
- C. Grouting and Grouted Components: Do not place grout until entire height of masonry to be grouted has attained sufficient strength to resist grout pressure.
1. Comply with requirements of ACI 530.1/ASCE 6/TMS 602 for cleanouts and for grout placement, including minimum grout space and maximum pour height.
 2. Permit mortar to cure at least 4 hours before placing grout, or minimum time required by current code, whichever is greater.
 3. Place and consolidate grout fill without displacing reinforcing.
 4. All cells containing reinforcing in concrete blocks shall be filled solid with grout. All cells below grade shall be filled solid with grout.
 5. Wet masonry unit surfaces in contact with grout just prior to grout placement.
 6. Grout spaces 2 inches or greater in width with course grout using low lift grouting techniques.
 7. Low Lift Grouting: Lay CMU to maximum pour height. When grouting is stopped for more than one hour, terminate grout 1½ inches below top of upper masonry unit to form a positive key for subsequent grout placement. Place vertical reinforcement and secure prior to grouting. Extend reinforcement above elevation of maximum pour height as required for splicing.

3.9 FIELD QUALITY CONTROL

- A. Owner will engage a qualified, independent testing and inspection agency to sample materials, perform tests, and submit test reports.

- B. Contractor shall notify testing and inspection agency one week prior to start of masonry construction.
- C. Masonry shall be sampled and tested for quality control as follows:
 - 1. Verification of f'_m by unit strength method:
 - a. Concrete masonry units: Manufacturer shall submit test reports from a qualified testing agency indicating compliance with ASTM C90 requirements for compressive strength, absorption properties, moisture content, weight, and dimensions for each class of unit supplied.
 - b. Mortar: Test mortar once every 5,000 square feet of wall area for compressive strength in accordance with ASTM C780.
 - c. Grout: Test grout once every 5,000 square feet of wall area for compressive strength and slump in accordance with ASTM C1019.
 - 2. Periodic Inspection:
 - a. Types, size and location of anchorages of masonry to structural members.
 - b. Type, size, and grade of reinforcement.
 - c. Type, size, and location of masonry units.
 - d. Prior to grouting:
 - 1) Grout space is clean and unobstructed. Clear dimensions meet requirements for grout placement method utilized.
 - 2) Reinforcement located properly and securely tied in place. Bar length adequate to meet lap splice length requirements.
 - 3. Continuous Inspection:
 - a. Preparation of required mortar, grout, or prism specimens.
 - b. Grout placement operations to verify grout placement technique in compliance with code and construction document provisions.
 - c. Welding of reinforcing bars.

3.10 CLEANING

- A. In-Progress Cleaning: Clean unit masonry as work progresses by dry brushing to remove mortar fins and smears before tooling joints.
- B. Final Cleaning: After mortar is thoroughly set and cured, clean exposed masonry as follows:
 - 1. Test cleaning methods on sample wall panel; leave one-half of panel uncleaned for comparison purposes.
 - 2. Protect adjacent surfaces from contact with cleaner.
 - 3. Wet wall surfaces with water before applying cleaners; remove cleaners promptly by rinsing surfaces thoroughly with clear water.
 - 4. Clean brick by bucket-and-brush hand-cleaning method described in BIA Technical Notes 20.
 - 5. Clean masonry with a proprietary acidic cleaner applied according to manufacturer's written instructions.
 - 6. Clean concrete masonry by cleaning method indicated in NCMA TEK 8-2A applicable to type of stain on exposed surfaces.

3.11 MASONRY WASTE DISPOSAL

- A. Waste Disposal as Fill Material: Dispose of clean masonry waste, including excess or soil-contaminated sand, waste mortar, and broken masonry units, by crushing and mixing with fill material as fill is placed.
 - 1. Do not dispose of masonry waste as fill within 18 inches of finished grade.

November 7, 2019

2. Remove excess clean masonry waste that cannot be used as fill, as described above, and other masonry waste, and legally dispose of off Owner's property.

END OF SECTION 04 20 00

**SECTION 08 56 53
HORIZONTAL SLIDING TRANSACTION WINDOW SYSTEM**

PART 1 GENERAL

1.1 REFERENCES

- A. Underwriters Laboratory UL 752-Standard for Bullet Resisting Equipment & ASTM E119-98-Standard Test Methods for Fire Tests of Building Construction and Materials, NIJ Standard 0108.01-(National Institute of Justice) Standard for Ballistic Resistant Protective Materials, ASTM B 209/B 209M- Standard Specification for Aluminum and Aluminum Alloy Sheet and Plate, ASTM A 666-Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate and Flat Bar..

1.2 SUBMITTALS

- A. The following shall be submitted by the manufacturer in accordance with Sections 13070 and any Special Contract Requirements and coordinate with Sections 01340: Submit for approval prior to fabrication: samples, product data (including preparation, storage and installation methods), cuts & anchor spacing, reinforcement & location , product specifications, shop drawings, test reports (current UL Listing Verification & UL 752 Test Results as provided by Underwriters Laboratories), and printed data in sufficient detail to indicate compliance with the contract documents.
- B. Manufacturer's Instructions for installation and cleaning of TSS Bullet Transaction Window Assemblies. All required submittals shall be approved prior to installation.

1.3 DESIGN PERFORMANCE

- A. Through the design, manufacturing techniques and material application the TSS Horizontal Slider Transaction Window System shall be of the "non-ricochet" type. This design is intended to permit the encapture and retention of an attacking projectile lessening the potential of a random injury or lateral penetration. This assembly shall provide single transaction positions utilizing the "horizontal sliding" configuration. This design shall employ horizontal sliding track to allow for physical movement on transaction window. Each transaction position shall have a stainless steel dip tray as shown on the drawings. Components must be manufactured in strict accordance with the specifications, design and details. All vision panels shall be cut to size with all exposed edges polished. Necessary holes shall be pre drilled and tapped where required. Stainless Steel assembly screws and acrylic spacers shall be provided. Frame and channel shall be provided with anchor screws provided by the installer.
- B. No field alterations to the construction of the units fabricated under the acceptable standards shall be allowed unless approved by the manufacturer and the architect. Standard manufacturing tolerances shall be +/- 1/16".
- C. Materials shall meet or exceed UL 752 requirements.

1.4 QUALITY ASSURANCE

- A. Manufacturer shall be a Company that specializes in manufacturing products of the specified type with a minimum of five years' experience. Installer shall be a Company that specializes in product type specified and Certified for the installation by the manufacturer. Manufacturer shall provide a sampling, if required, for evaluation of surface preparation and application workmanship and color/finish to the Architect for approval prior to start of work.

1.5 DELIVERY, STORAGE & HANDLING

- A. Handle the materials with care to prevent damage. Store materials inside and under cover, stack flat and off floor. Project conditions (temperature, humidity, and ventilation) shall be within the maximum limit recommendations set by manufacturer. Do not install products that are under conditions outside these limits.

1.6 WARRANTY

- A. All materials shall be warranted against defects for a period of 1 year for the date of receipt at the project site. Certificates of manufacturer's standard limited warranty shall be provided at project completion.

PART 2 PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

- A. Products shall be manufactured by: Total Security Solutions, Inc., 170 National Park Drive, Fowlerville, MI 48836, 800-513-1468. Attn: Sales Department, sales@tssbulletproof.com. Web: www.tssbulletproof.com . No substitutions shall be accepted.

2.2 BULLET RESISTANT HORIZONTAL SLIDING TRANSACTION WINDOW

- A. Scope: Fixed and sliding transparent bullet resisting panels as needed to secure an opening, along with the aluminum framework, hardware, and fasteners needed for installation. All components are completely fabricated and ready for installation. The manual sliding panel can be opened to allow passage of packages and more familiarity with customers during periods of low threat.
- B. Bullet Resistant Glazing
 - 1. Level 3
 - a. 1 ¼" LP 1250 BR
- C. Horizontal Slider: Horizontal frame shall consist of an overhead track assembly unit consisting extruded aluminum, which conceals all moving parts and hardware. The track shall maintain a minimum of 4 points of contact with the sliding acrylic at all times. System also includes rollers, trim valence, plunger lock, trim handle and guide blocks. Aluminum U-channel used at sill and walls.
 - 1. Finish: Clear Satin Anodized

PART 3 EXECUTION

3.1 PREPARATION

- A. Prior to installing the bullet resistive material, the contractor shall verify that all supports have been installed as required by the contract documents and architectural drawings, and approved shop/CAD drawings, if required. Installer shall notify architect of any unsatisfactory preparation that is responsibility of another installer.
- B. Clean and prepare all surfaces per manufacturers recommendations for achieving the best results for the substrate under the project conditions.

3.2 INSTALLATION

- A. Do not begin installation until openings have been verified and surfaces properly prepared in accordance with Drawings. Install in accordance with manufacturer's instructions and UL 752. Set all equipment plumb. All products shall be installed per installation instructions provided by Total Security Solutions, if warranty is to be issued.
- B. TSS Horizontal Sliding Transaction Window System shall arrive on site completely pre-fabricated to supplied field dimensions. Unit shall be installed in provided opening and secured to structure.

3.3 POST APPLICATION

- A. TSS Horizontal Sliding Transaction Window System shall be installed in accordance with manufacturer's printed recommendations, including adhering to anchoring and finishing details.
- B. Inspection and Cleaning: Verify installation is complete and complies with manufacturer's requirements. Clean product and accessories, removing excess sealant, labels and protective covers.
- C. Touch-up, repair or replace damaged products before Substantial Completion.
- D. Product Warranty: Applicable warranty shall be issued to owner upon final release of completed project.

END OF SECTION 08 56 53

**SECTION 26 70 10
ELECTRIC HAND DRYER**

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Compact high speed surface mount ADA-compliant hand dryer.

1.2 RELATED SECTIONS

- A. Section 06100 - Rough Carpentry: Blocking in stud partitions for mounting hand dryers.
- B. Section 16100 - Wiring Methods: Electrical supply, conduit, wiring, boxes, and wiring devices for hand dryers.

1.3 REFERENCES

- A. Underwriter's Laboratory (UL): Labeled products.

1.4 SUBMITTALS

- A. Submit under provisions of Division 01.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Installation methods.
- C. Shop Drawings:
- D. Manufacturer's installation and maintenance instructions.
- E. Copy of warranty form for review by Architect.

1.5 QUALITY ASSURANCE

- A. Product Requirements: Hand dryers shall be certified by Underwriters Laboratory (UL), Inc. and shall bear UL labels.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

1.7 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

1.8 WARRANTY

- A. Manufacturer's Warranty: 5 year limited warranty for electric hand dryers to cover defects in material and workmanship.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Excel Dryer, Inc., which is located at: P.O. Box 365, 357 Chestnut Street; East Longmeadow, MA 01028; Toll Free Tel: 888-998-7025; Tel: 413-525-4531; Email: [request info \(sales@exceldryer.com\)](mailto:sales@exceldryer.com); Web: www.exceldryer.com.
- B. Requests for substitutions will be considered in accordance with provisions of Division 01.

2.2 ELECTRIC HAND DRYER

- A. Type: Surface mounted high speed ADA-compliant hand dryer shall incorporate a vandal resistant design that includes a metal cover with 2 vandal-proof locks screws and lock with special speed flow wrench as manufactured by Excel Dryer, Inc.
 - 1. Excel Hand Dryer Model No. TA-ABS
 - 2. World Dryer VERDEdri Series
 - 3. Machflow Speedflow series
- B. Performance Requirements:
 - 1. Operation: The dryer shall start automatically, and operate with no interruption as long as the hands are kept in the detection range of the sensor. The appliance shall stop 2 seconds after the hands are removed from the airflow.
 - 2. Air Speed: 16,000 lfm
 - 3. Temperature at 4 inches, 101 degrees F.
 - 4. Heating Element: 550 W
 - 5. Drying Time: 10 to 15 sec
 - 6. Safety: Automatic disconnection system after 60 seconds of continuous use. Self-resettable thermal cut-off at 180 degrees F (82 degrees C) which disconnect the whole appliance. Protection level against water splashes should be rating IP23.
 - 7. Unit shall be UL and CSA approved, according to UL 499 and CSA C22.2 standards and with ADA projection requirements.
 - 8. Sound Pressure Level (SPL): Noise level at 79 inches. 68 to 75 dB dependant on fan speed.
- C. Construction:
 - 1. Cover: One-piece cover fabricated from 1/16 inch steel:
 - a. Finish: Steel sheet 1/16 inch thick complying with ASTM A659 with white epoxy paint finish.
 - b. Cover to be field attached to base with vandal proof screws and locked with special key wrench.
 - c. Locate air outlet, intake, and operating sensor in bottom of cover.
 - d. Nominal Size: 8-29/32 inches wide by 13 11/16 inches high by 4 inches deep.
 - e. Weight: 8 pounds.
 - 2. Base: Fire resistant UL V0 plastic base, with (3) 7/8 inch holes for wall mounting.
 - 3. Motor: Through-flow discharge vacuum motor/blower, 20000 rpm, A class.
 - 4. R.P.M.: 20,000.

5. Voltage: 120 V.
6. Frequency: 60 Hz.
7. Power Consumption: 8A (120 V).
8. Isolation: Class I Grounding required.
9. Fully adjustable 2 inches to 8 inches infrared electronic detection sensor by means of a potentiometer. Sensors shall have a polycarbonate viewing window.
10. Fan: Fire resistant plastic UL 94-V0 fan scroll. Aluminum centrifugal double asymmetrical inlet fan wheel.
11. White finish.

PART 3 - EXECUTION

3.1 COORDINATION

- A. Coordinate requirements for blocking to ensure adequate means for support and installation of hand dryers.
- B. Coordinate requirements for power supply, conduit, disconnect switches, and wiring.
- C. Coordinate dryer installation with application of wall finishes.

3.2 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.3 INSTALLATION

- A. Comply with manufacturer's written installation instructions and approved shop drawings.
- B. Mount dryers at heights indicated on Drawings and approved shop drawings.
- C. Install bases securely to supporting substrate so that dryers are level and aligned with each other. Anchor with fasteners of type and size recommended by manufacturer for type of wall substrate.
- D. Install dryers with recess mounting kits such that maximum projection from wall surface is 4 inches in compliance with ICC/ANSI A117.1. Anchor box in rough wall opening with fasteners of type and size recommended by manufacturer. When cover is installed over dryer, ensure that joint between box and wall finish is concealed.

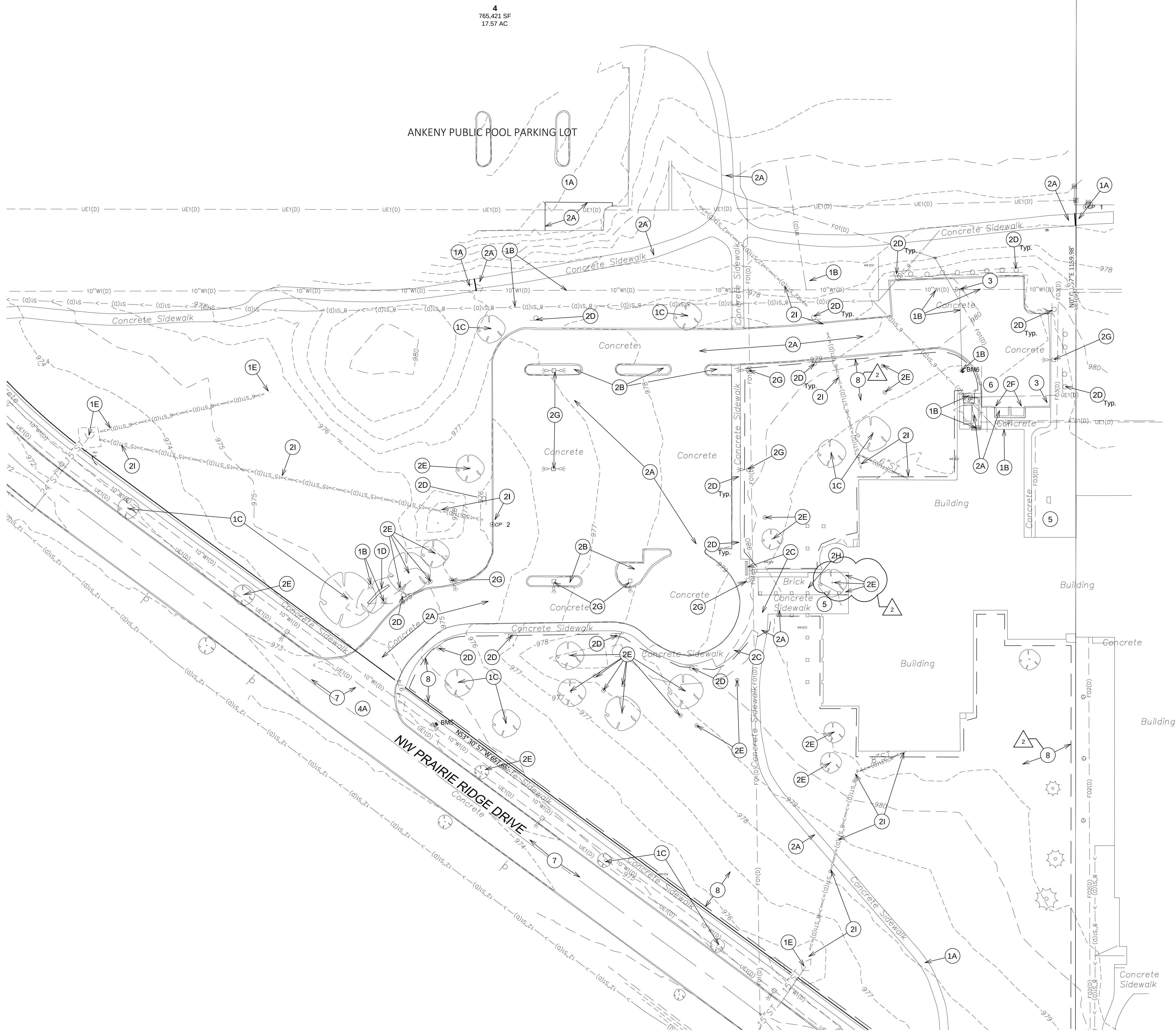
3.4 CLEANING, TESTING, AND DEMONSTRATING

- A. Remove protective wrappings. Clean surfaces with mild soap solution. Do not use abrasives.
- B. Inspect installed dryers to verify mounting is rigid and electrical connections are proper. Test each dryer to verify operation and performance. Correct deficiencies.
- C. Protect dryers from remaining construction activities. Immediately remove and replace dryers that are damaged.
- D. Demonstrate operation and maintenance to Owner's representative.

3.5 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION 26 70 10



- DEMOLITION PLAN CONSTRUCTION NOTES
- EXISTING FEATURES, PROTECT THE FOLLOWING:
 - EXISTING PAVEMENTS.
 - EXISTING UTILITIES.
 - EXISTING TREES/VEGETATION.
 - EXISTING FEATURES: SIGNAGE, FURNISHINGS, ETC.
 - EXISTING STORM SEWER.
 - EXISTING FEATURES, CONTRACTOR TO REMOVE AND DISPOSE OF THE FOLLOWING:
 - EXISTING PAVEMENTS
 - EXISTING MEDIAN ISLANDS, INCLUDING CURB AND GUTTER, ROCK AND SOIL WITHIN MEDIAN.
 - EXISTING SITE FURNISHINGS: BENCH, FLAG POLE, TRASH RECEPTACLE, BIKE LOOPS, ETC.
 - EXISTING SIGNAGE.
 - EXISTING VEGETATION AND TREES.
 - EXISTING TRASH ENCLOSURE.
 - EXISTING OVERHEAD LIGHTS. SEE ELECTRIC PLANS.
 - EXISTING BRICK PAVERS.
 - EXISTING STORM SEWER.
 - ADJUST UTILITIES AS NECESSARY TO MATCH PROPOSED IMPROVEMENTS AND NEW FINISHED GRADE ELEVATION.
 - TRAFFIC CONTROL
 - PROVIDE TEMPORARY TRAFFIC CONTROL AS NECESSARY FOR CONSTRUCTION PER SUDAS 8030.101.
 - SEE ARCHITECTURAL AND STRUCTURAL PLANS FOR COORDINATION OF PROPOSED BUILDING IMPROVEMENTS AND STRUCTURES.
 - SEE MECHANICAL AND ELECTRICAL PLANS FOR COORDINATION OF PROPOSED IMPROVEMENTS.
 - SEE NW PRAIRIE RIDGE DRIVE PLANS FOR PROPOSED STREET WIDENING AND ASSOCIATED IMPROVEMENTS.
 - AN IRRIGATION SYSTEM EXISTS IN THE AREA SHOWN AND IS NOT ACTIVE. CONTRACTOR TO REMOVE EXISTING IRRIGATION LINES AND COMPONENTS WHEN ENCOUNTERED DURING CONSTRUCTION. EXISTING IRRIGATION SYSTEM NOT DISTURBED FOR CONSTRUCTION IS TO BE ABANDONED IN PLACE.

ISSUANCE
SITE PLAN
10/21/2019

REVISIONS
11/07/2019 ADDENDUM NO. 2

THESE DOCUMENTS HAVE BEEN PREPARED SPECIFICALLY FOR THE ABOVE REFERENCED PROJECT. THEY ARE NOT SUITABLE FOR USE ON OTHER PROJECTS OR IN OTHER LOCATIONS WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF SVPA ARCHITECTS, INC. REPRODUCTION IS PROHIBITED.

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PROJECT NUMBER

119.0189.01

DEMOLITION
PLAN

C103



LAYOUT AND DIMENSION PLAN CONSTRUCTION NOTES

1. PAVEMENTS, PROVIDE THE FOLLOWING:

- A. 7" DEPTH PCC WITH 4" DEPTH AGGREGATE SUBBASE.
- B. 4" DEPTH PCC.
- C. INTEGRAL CURB AND SIDEWALK.
- D. 6" STANDARD CURB.
- E. 6" DEPTH PCC W/ 4" DEPTH AGGREGATE SUBBASE.
- F. 6" WIDE x 5" DEPTH PCC LANDSCAPE EDGER.
- G. 5" DEPTH PCC.
- H. RAMP PAVEMENT.
- I. SEE PLANS FOR NW PRAIRIE RIDGE DRIVE WIDENING.
- J. TAPER.
- K. PROVIDE 4'X4'X4" DEPTH PCC PAD FOR DROP BOX, DROP BOX PROVIDED BY OWNER.

2. PAVEMENT MARKINGS, PROVIDE THE FOLLOWING:

- A. 4" WIDE PAINTED PARKING STALL LINES.
- B. PAINTED STATE OF IOWA APPROVED ACCESSIBLE PARKING SYMBOL.
- C. ACCESSIBLE AISLE, 45' STRIPING AT 3' ON CENTER SPACING WHERE SHOWN.
- D. PAINT LINES AS PER SDAS REQUIREMENTS.
- E. STOP BAR AS PER MUTCD REQUIREMENTS.

3. SIGNS, PROVIDE THE FOLLOWING:

- A. PROVIDE HANDICAP ACCESSIBLE PARKING SIGNAGE AS PER ADAAG REQUIREMENTS.
- B. PROVIDE VAN ACCESSIBLE PARKING SIGNS AS PER ADAAG REQUIREMENTS.
- C. PROVIDE STOP SIGN AS PER MUTCD REQUIREMENTS.

4. UTILITIES, PROVIDE THE FOLLOWING:

- A. STORM SEWER IMPROVEMENTS - SEE GRADING, STORM SEWER AND EROSION CONTROL PLAN AND DETAILS.
- B. LIGHTING AND ELECTRICAL IMPROVEMENTS. SEE UTILITY SHEET.
- C. GENERATOR, SEE ELECTRIC PLANS.

5. FLAG POLES, PROVIDE THE FOLLOWING:

- A. (1) 30' HEIGHT FLAG POLE WITH FOOTING, SEE DETAIL.
- B. (2) FLAG POLES, 25' HT. W/ FOOTINGS, SEE DETAIL.
- C. LIGHTS, SEE ELECTRIC PLANS.
- D. 4" DEPTH PCC PAD, 5' X 32'.

6. PROVIDE CONSTRUCTION FENCING TO SECURE THE PROJECT SITE. COORDINATE LOCATION BASED UPON PROJECT NEEDS AND ADJUST AS NECESSARY DURING CONSTRUCTION. PROVIDE GATES FOR ACCESS IN COORDINATION WITH THE CITY OF ANKENY.

7. PROVIDE TRASH ENCLOSURE, SEE ARCHITECTURAL PLANS.

8. HYDRAULICALLY SEED ALL AREAS DISTURBED BY CONSTRUCTION, UNLESS NOTED TO BE SODDED, BY USING BONDED FIBER MATRIX WITH TYPE 1 PERMANENT LAWN SEED MIX.

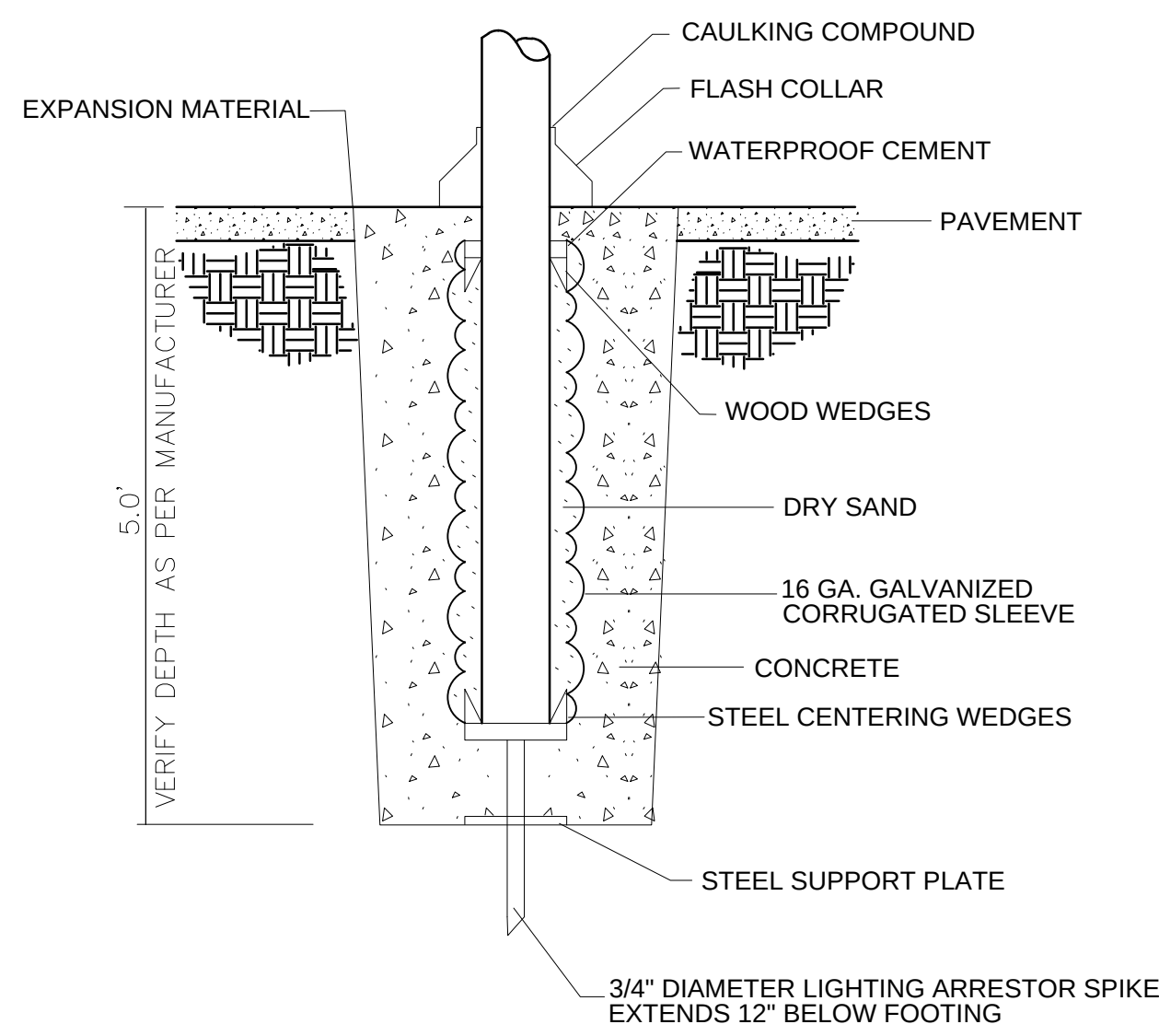
9. SOD AREAS WHERE SHOWN.

10. PROVIDE RIVER ROCK.

11. BIKE RACK LOOPS, PROVIDE THE FOLLOWING:

- A. DUMOR, INC. MANUFACTURER, (4) QUANTITY, 83 SERIES BIKE RACK, POWDER COATED BLACK, SURFACE MOUNT, IN LOCATION SHOWN.

PCC CONCRETE CONSTRUCTION NOTES: FOR SITE PAVEMENT CONTRACTOR TO PROVIDE JOINTING PLAN DETAILING JOINT TYPES AND CONSTRUCTION SEQUENCING FOR ENGINEER'S REVIEW AND APPROVAL, PRIOR TO CONSTRUCTION. FIELD VERIFY LAYOUT OF EXISTING PAVEMENT JOINTS TO INSURE ALIGNMENT WITH PROPOSED JOINTING. JOINTING SHALL BE IN ACCORDANCE WITH SDAS 2019 EDITION. LAYOUT JOINTS TO MAXIMUM 12' SPACING WHERE POSSIBLE. CONTRACTOR TO PROVIDE LONGITUDINAL 'L-1', 'KT-1' JOINTS AND TRANSVERSE 'C' JOINTS. CONTRACTOR TO PROVIDE 'B'/'BT' JOINT WHEN PROPOSED PAVEMENT SURFACE CONNECTS TO EXISTING PAVEMENT SURFACE. CONTRACTOR TO PROVIDE THICKENED EDGE (8" MINIMUM DEPTH) WHEN PAVEMENTS ARE TO BE TIED TOGETHER. CONTRACTOR TO PROVIDE EXPANSION JOINT ADJACENT TO BUILDINGS / STOOPS AND AT INTERFACE OF INTEGRAL SIDEWALK / DRIVE, ETC.



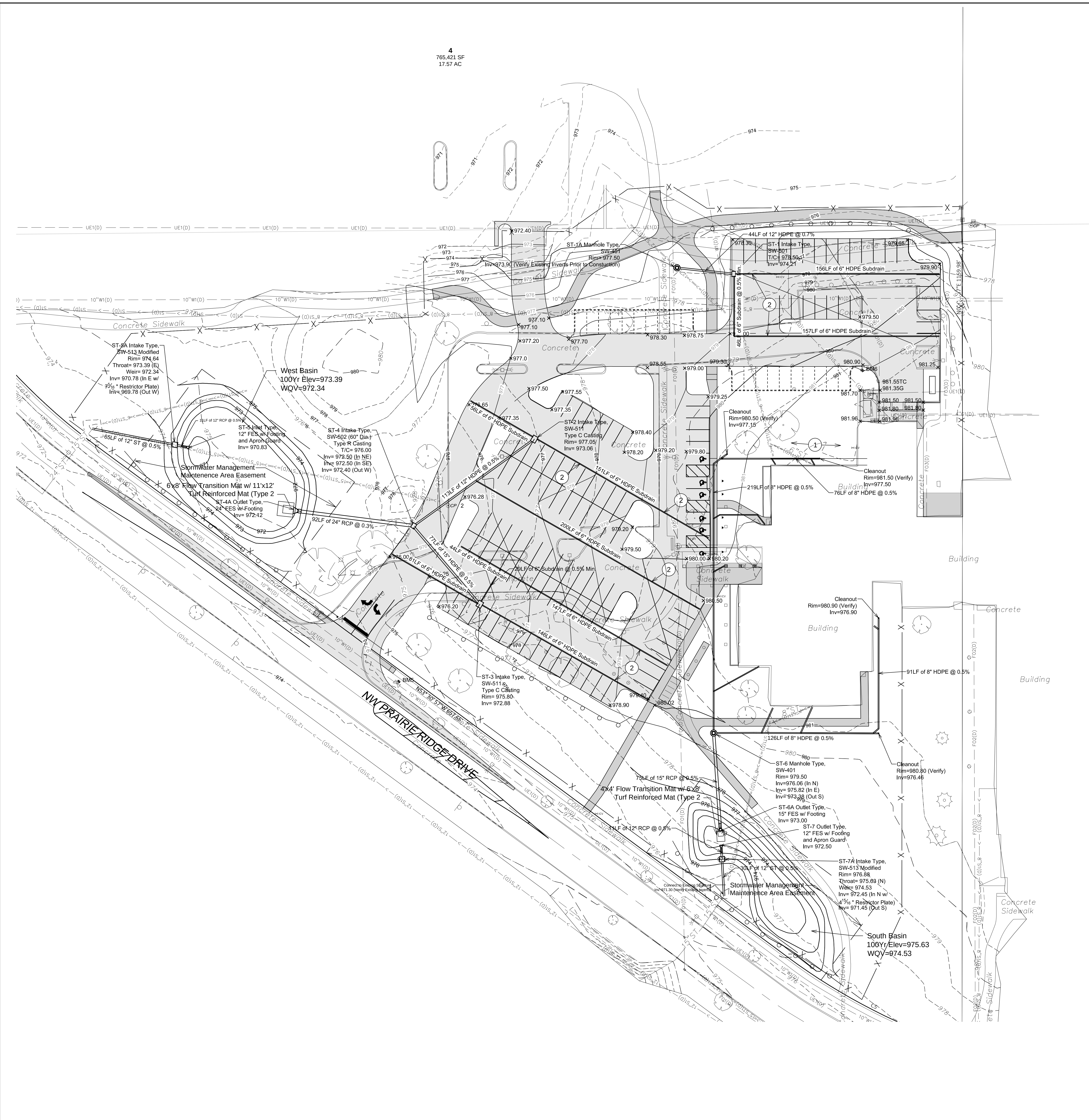
NOTES:

1. CONTINENTAL MODEL FLAGPOLE, 30' HEIGHT, EXTERNAL HALYARD MOUNTED 7" ABOVE GRADE, BRUSHED ALUMINUM FINISH, INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS - AS MANUFACTURED BY CONCORD INDUSTRIES, INC., P.O. BOX 2449, ADDISON, TX 75001; AND DISTRIBUTED BY MARTIN'S FLAG COMPANY, INC., 1210 1st AVENUE NORTH, FORT DODGE, IA 50501; PH: 1-800-248-3524, OR APPROVED EQUAL QUANTITY - 1

2. CONTINENTAL MODEL FLAGPOLE, 25' HEIGHT, EXTERNAL HALYARD MOUNTED 7" ABOVE GRADE, BRUSHED ALUMINUM FINISH, INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS - AS MANUFACTURED BY CONCORD INDUSTRIES, INC., P.O. BOX 2449, ADDISON, TX 75001; AND DISTRIBUTED BY MARTIN'S FLAG COMPANY, INC., 1210 1st AVENUE NORTH, FORT DODGE, IA 50501; PH: 1-800-248-3524, OR APPROVED EQUAL QUANTITY - 2

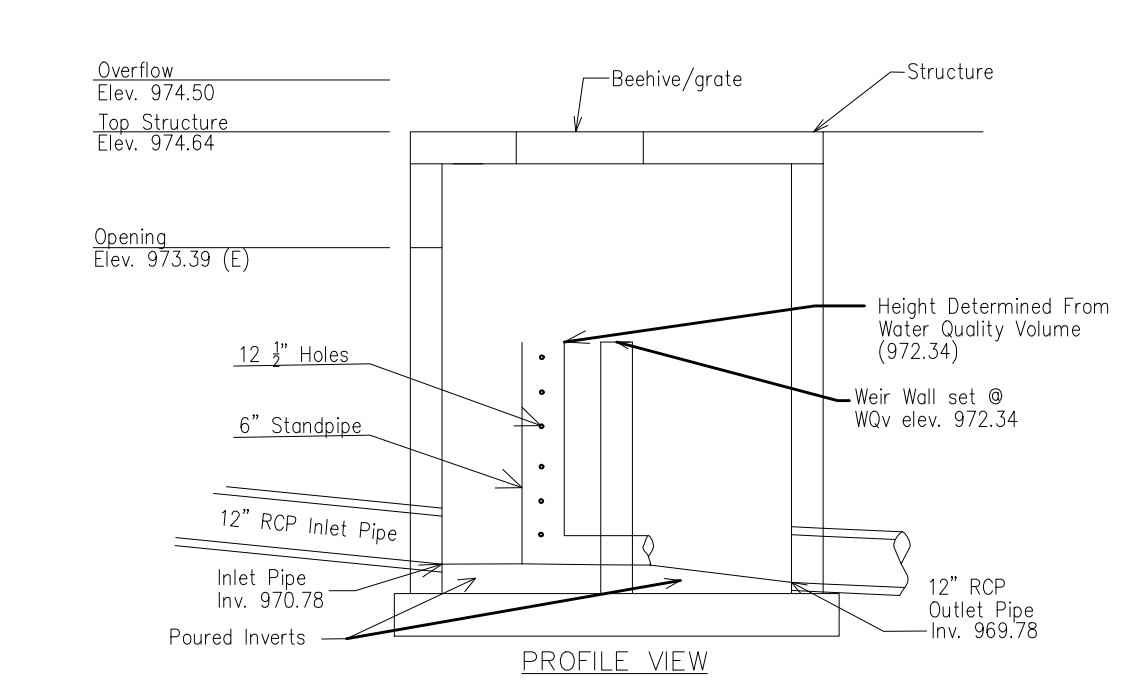
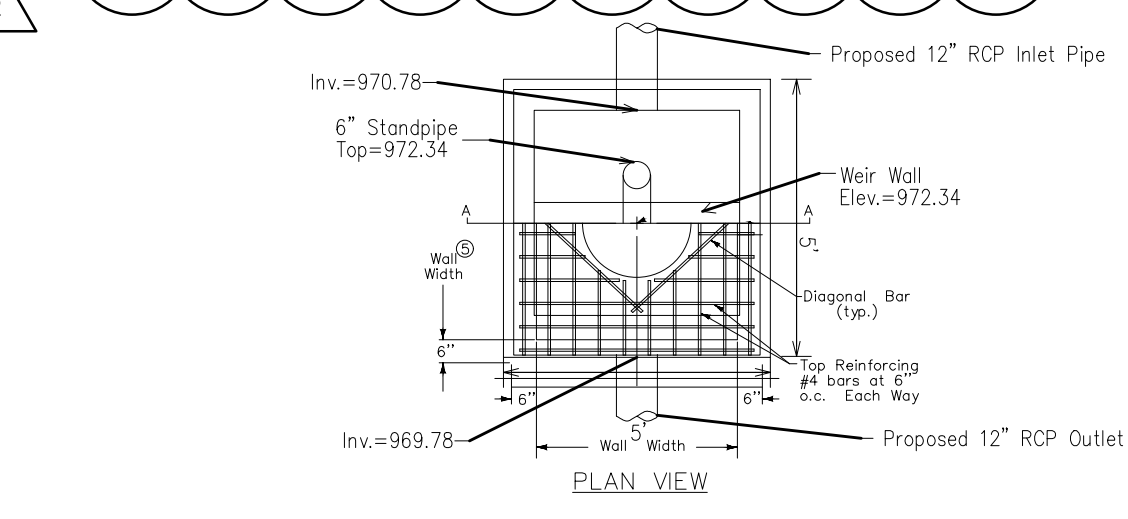
1 FLAGPOLE AND FOOTING DETAIL

C200 NO SCALE

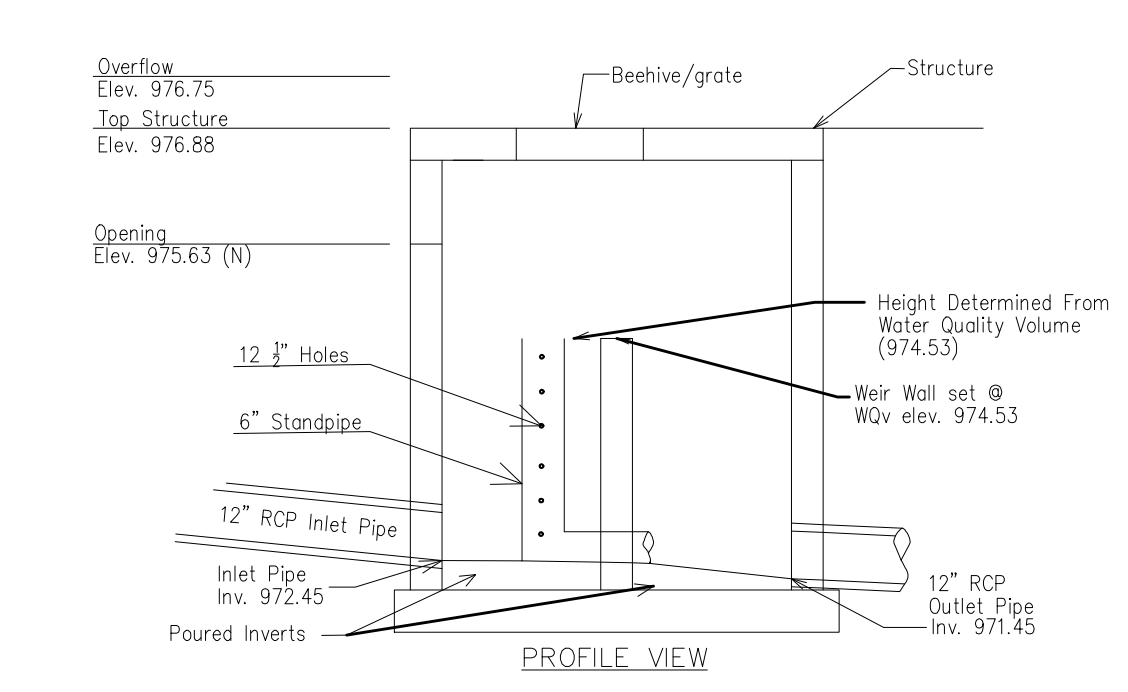
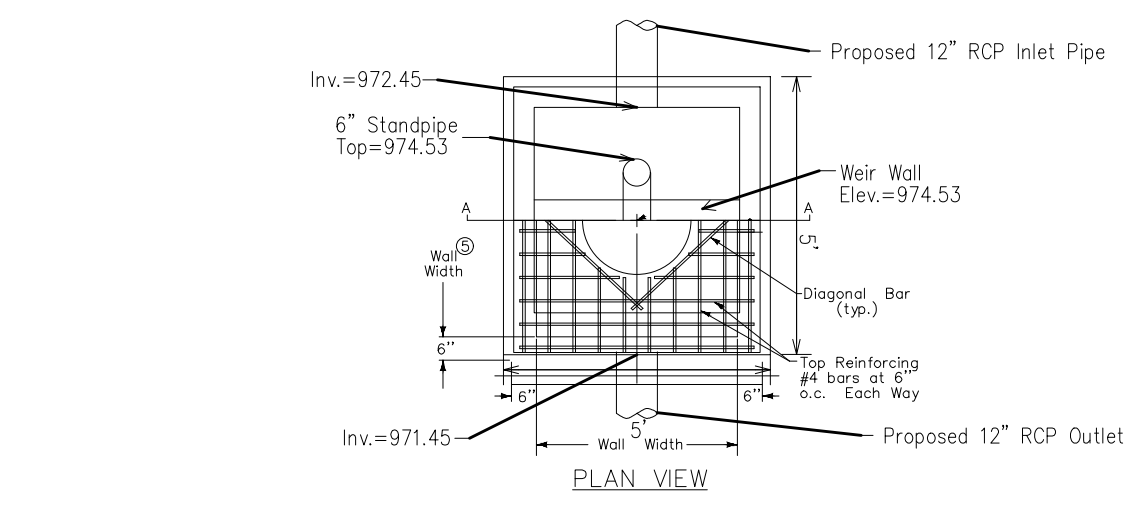


- GRADING PLAN GENERAL NOTES
1. EROSION CONTROL
 - A. CONTRACTOR TO STRIP AND STOCKPILE FROM ALL AREAS DISTURBED.
 - B. RESPREAD TOPSOIL TO A 6" MINIMUM DEPTH OVER AREAS SHOWN.
 - C. EXCAVATE PLANTING AREAS TO 18" DEPTH AND PLACE TOPSOIL.
 - D. PROVIDE EROSION CONTROL AS NECESSARY TO CONTROL SITE EROSION.
 - E. EROSION CONTROL FENCE(TYP.)
 - F. ELEVATIONS SHOWN ON PAVEMENTS ARE TOP OF SLAB AND/OR GUTTER ELEVATIONS UNLESS OTHERWISE NOTED.
 - G. PROVIDE SUBDRAIN BELOW PAVEMENT TO DRAIN.
 - H. PROVIDE FILTER SOCK AROUND ALL FLARE END SECTIONS AND STORM SEWER INTAKES.
 - I. CONTRACTOR TO PROVIDE AS-BUILT SURVEY OF THE DETENTION BASINS AND VERIFY POST CONSTRUCTION VOLUMES MEET REQUIREMENTS. COORDINATE REVIEW AND APPROVAL WITH CITY OF ANKENY.

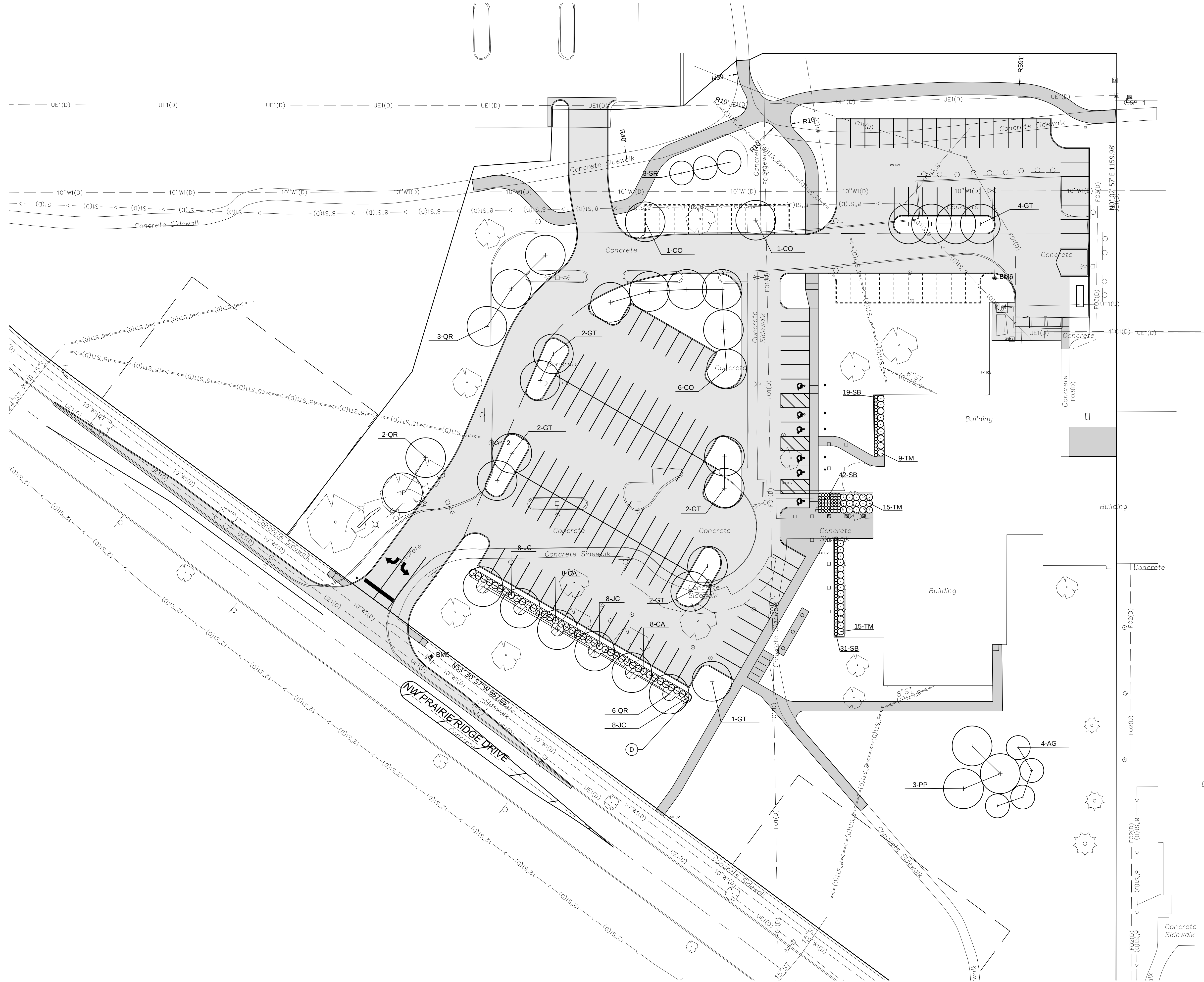
- GRADING PLAN CONSTRUCTION NOTES
1. GRADE LAWN AREA TO DRAIN AT 2% SLOPE AWAY FROM BUILDING.
 2. PROVIDE HDPE SUBDRAIN WHERE SHOWN AT MINIMUM 0.5% SLOPE.



1 SW-513, MODIFIED AREA INTAKE OUTLET (ST- 5A)
C300 NO SCALE



2 SW-513, MODIFIED AREA INTAKE OUTLET (ST- 7A)
C300 NO SCALE



PLANTING PLAN GENERAL NOTES

- A. UTILITY WARNING:
THE UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND/OR RECORDS OBTAINED. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEY FURTHER DOES NOT WARRANT THAT THE UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED.
- B. NOTIFY UTILITY OWNERS PRIOR TO BEGINNING ANY CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR DETERMINING EXISTENCE, EXACT LOCATION AND DEPTH OF ALL UTILITIES. AVOID DAMAGE TO UTILITIES AND SERVICES DURING CONSTRUCTION. ANY DAMAGE DUE TO THE CONTRACTOR'S CARELESSNESS SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE. COORDINATE AND COOPERATE WITH UTILITY COMPANIES DURING CONSTRUCTION.
- C. ALL PLANT MATERIAL SHALL AT LEAST MEET MINIMUM REQUIREMENTS SHOWN IN THE "AMERICAN STANDARDS FOR NURSERY STOCK" (ANSI Z60.1-LATEST EDITION).
- D. PROVIDE 3-INCH DEPTH SHREDDED HARDWOOD MULCH IN ALL PLANT BED AREAS INDICATED ON PLAN. SHOVEL-CUT BED EDGE.
- E. SEED ALL AREAS DISTURBED BY CONSTRUCTION WITH TYPE 1 SUDAS PERMANENT LAWN SEED MIX, UNLESS NOTED OTHERWISE FOR SODDING.

PLANT SCHEDULE

KEY:	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS
AG	<i>Amelanchier x grandiflora</i> 'Autumn Brilliance'	AUTUMN BRILLIANCE SERVICEBERRY	6' HT.	B&B
CO	<i>Celtis occidentalis</i> 'Prairie Pride'	PRAIRIE PRIDE HACKBERRY	1" CAL.	B&B
GT	<i>Gleditsia triacanthos</i> 'Skyline'	SKYLINE HONEYLOCUST	1 1/2" CAL.	B&B
PP	<i>Picea glauca</i> 'Densata'	BLACK HILLS SPRUCE	6' HT.	B&B
QR	<i>Quercus rubra</i>	NORTHERN RED OAK	1" CAL.	B&B
SR	<i>Syringa reticulata</i>	JAPANESE TREE LILAC	1 1/2" CAL.	B&B
OVERSTORY TREES				
CA	<i>Cornus alba</i> 'Sibirica'	RED TWIG DOGWOOD	30"	
JC	<i>Juniperus chinensis</i> 'Sea Green'	SEA GREEN JUNIPER	30"	
SB	<i>Spiraea x bumalda</i> 'Gumball'	GUMBALL SPIREA	12"	
TM	<i>Taxus x media</i> 'Tauntoni'	TAUNTON YEW	24"	

NOTE: QUANTITIES SHOWN ARE APPROXIMATE. CONTRACTOR TO VERIFY PLANT MATERIAL PRIOR TO BIDDING. IN THE CASE OF A DISCREPANCY, THE PLAN QUANTITY SHALL GOVERN.

PLANTING PLAN GENERAL NOTES

LANDSCAPE REQUIREMENTS AND CALCULATIONS:
(AS PER CITY OF ANKENY SITE PLAN OPEN SPACE AND LANDSCAPING REQUIREMENTS)

OPEN SPACE REQUIREMENTS:
219,777 SF (5.05 AC.) OVERALL PROPERTY X 20% MIN. OPEN SPACE = 43,955.40 SF OPEN SPACE REQ'D
TOTAL HARDSURFACE (DRIVES, PARKING AND BUILDINGS) = 88,396 SF
(131,181 SF) = 59.7% TOTAL OPEN SPACE PROVIDED

OPEN SPACE LANDSCAPE REQUIREMENTS:
43,955.40 SF / 3000SF = 14.65 PLANT UNITS REQ'D.
14.65 PU X 2 TREES = 29.3 TREES REQ'D, (29 PROVIDED)
14.65 PU X 6 SHRUBS = 87.9 SHRUBS REQ'D, (131 PROVIDED)

PAVEMENT SHADING REQUIREMENTS:
64,004 SF OF PAVEMENT X 20% = 12,800.8 SF
13,071.6 / 706 SF = 18.13 OVERSTORY TREES REQ'D (19 PROVIDED)



REFER TO SHEETS C.505-C.509 FOR TRAFFIC CONTROL AND PAVEMENT MARKING INFORMATION

REFER TO SHEET C.510 FOR GEOMETRICS AND STAKING INFORMATION

NOTE 1: COORDINATE STREET LIGHT RELOCATION WITH THE CITY OF ANKENY. VERIFY PROPOSED STREET LIGHT IS NOT IN CONFLICT WITH EXISTING WATER MAIN PRIOR TO INSTALLATION. REFER TO THE LIGHT PLAN FOR MORE DETAILS.

TRAFFIC CONTROL PLAN

TRAFFIC
CONTROL

- 1a. The Contractor shall be responsible for installing and maintaining temporary signing along the project corridor.
- 1b. The Contractor shall be responsible for removing and reinstalling permanent signing along the project corridor.
2. The Contractor shall coordinate traffic control with other projects in the area.
3. All traffic control on this project shall be found in accordance with the Manual on Uniform Traffic Control Devices (MUTCD) for Streets and Highways as adopted by the Iowa Department of Transportation per 761 of the Iowa Administrative Code (IAC) Chapter 13.
4. Ingress and egress from the work area will be allowed only at locations specified in the contract documents or as approved by the Engineer. All truck hauling material to and from the work area shall display a 16-inch x 48-inch retro reflective sign with the legend "DO NOT FOLLOW INTO THE WORK AREA". The sign shall be orange with black lettering (4-inch height) and be comprised of Type VII sheeting.
5. All traffic control devices shall be furnished, erected, maintained, cleaned, and removed by the Contractor. All traffic control will remain the sole responsibility of the Contractor. The Contractor shall check traffic control devices daily and repair or replace damaged devices promptly.
6. Where possible, all post mounted signs shall be placed at least 2 feet beyond the curb or edge of shoulder. All signs to be in place longer than three days must be post mounted.
7. The location for storage of equipment by the Contractor during non-working hours shall be as approved by the Engineer in charge of construction. The Contractor will be responsible for securing a safe storage area for equipment and materials to be used on the project.
9. The Contractor shall provide, prior to the start of construction, the name and 24 hour phone number of the Contractor's representative in charge of traffic control. The project site must be patrolled a minimum of two (2) times each 24 hour period to check and reinstall, if necessary, traffic control devices. All extra standard traffic control, signs, barricades, cones, etc. that are required will be delivered and installed at the project site within four (4) hours notification, including weekends.
11. Proposed changes in the traffic control plan shall be reviewed with the Engineer at least 24 hours before changes are made in the field. Traffic Control is subject to modifications as necessary at the time of construction by City staff.
12. Refer to the following traffic control sheets for temporary traffic control details.

STAGING NOTES

STAGING
NOTES

GENERAL STAGING NOTES:

Contractor shall not start any work until after traffic control is in place and approved by the Engineer.

Contractor is allowed to submit a revised staging plan to the Engineer for consideration to meet the contractor's construction schedule for specific times.

Safety closures and flaggers are considered incidental to the Traffic Control bid item. Flaggers must be used if the work zone does not allow two travel lanes with a minimum width of 10 feet in each direction. The site may not be left as one-lane without flaggers during non working hours. Traffic can only be restricted to one lane during the summer months when school is not in session. If this cannot be achieved, it will need to be coordinated with Public Works and the school district.

STAGE 1

- Utilize traffic control detail shown on the following traffic control sheets for pavement removal, grading, subgrade and subbase preparation, subdrain, and paving operations.
- Remove existing pavement markings and install temporary channelizers to divert traffic south of the construction area.
- Remove existing curb and gutter and entrance and begin grading, subgrade preparation, subdrain, pavement widening, driveway and and sidewalk construction.
- Remove all traffic control and open NW Prairie Ridge Drive and install new traffic signs and new pavement markings.
- Install permanent seeding on all disturbed ground.



ANKENY PUBLIC SERVICES LIBRARY REMODEL
NW PRAIRIE RIDGE DR. WIDENING - TRAFFIC CONTROL
1210 NW PRAIRIE RIDGE DRIVE
ANKENY, IA 50023

CITY OF ANKENY
410 WEST 1ST STREET
ANKENY, IA 50021

ISSUANCE
SITE PLAN SUBMITTAL
10/21/2019

REVISIONS
11/7/19 - ADDENDUM NO. 2 -

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PROJECT NUMBER

119.0189.01

TRAFFIC
CONTROL

C505





STOP BAR, SOLID LANE LINES,
AND ARROW QUANTITIES FOR
THE DRIVEWAY ARE NOT INCLUDED
IN THE ROADWAY WIDENING QUANTITIES

Sta. 102+51.31, 36.00' LT
BEGIN CLW6
Sta. 102+43.97, 27.00' LT
BEGIN CLW6

Sta. 101+27.00, 8.00' LT
END 10:1 TAPER

Sta. 100+47.00, 0.00' LT
BEGIN DCY4
BEGIN 10:1 TAPER

Sta. 101+27.00, 4.00' RT
BEGIN SLW4

Sta. 102+47.00, 8.00' LT
END DCY4

Sta. 102+47.00, 4.00' RT
END SLW4

Sta. 102+22.00, 2.00' LT
LTAW

Sta. 102+92.62, 36.00' LT
END CLW6
Sta. 103+00.14, 27.00' LT
END CLW6

Sta. 103+14.00, 2.00' LT
BEGIN CHY8 MEDIAN
20' DIAGONAL SPACING
Sta. 103+20.00, 8.00' LT
END CHY8 MEDIAN NOSE

Sta. 103+45.00, 8.00' LT
BEGIN 15:1 TAPER

Sta. 103+19.49, 4.00' RT
END CHY8 MEDIAN NOSE

Sta. 104+25.00, 4.00' RT
BEGIN 10:1 TAPER

Sta. 104+65.00, 0.00' LT
END CHY8 MEDIAN
END 15:1 TAPER
END 10:1 TAPER

ANKENY PUBLIC SERVICES LIBRARY REMODEL
NW PRAIRIE RIDGE DR. WIDENING - PAVEMENT MARKINGS
1210 NW PRAIRIE RIDGE DRIVE
ANKENY, IA 50023

CITY OF ANKENY
410 WEST 1ST STREET
ANKENY, IA 50021

ISSUANCE
SITE PLAN SUBMITTAL
10/21/2019

REVISIONS
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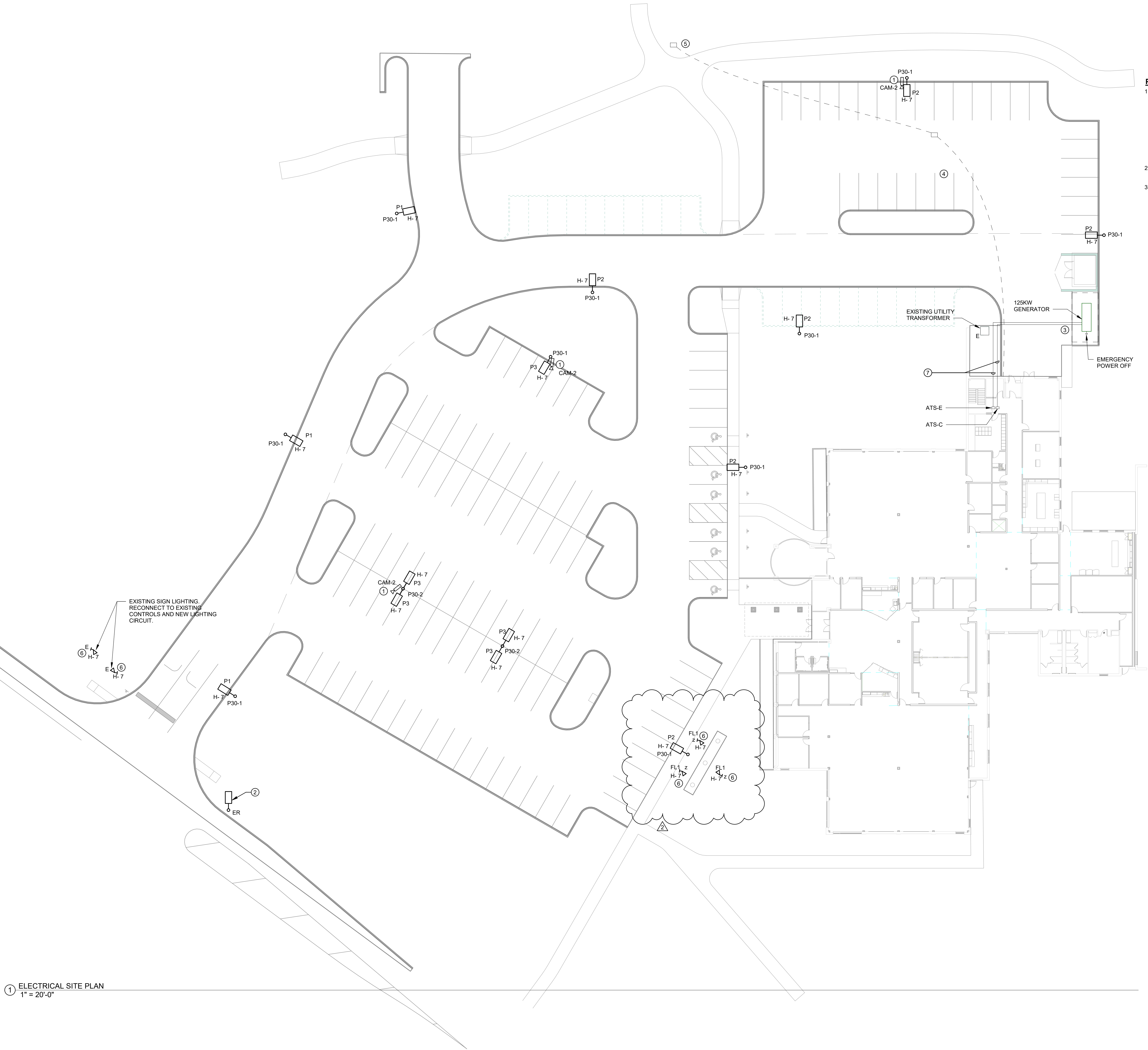
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PROJECT NUMBER

119.0189.01

PAVEMENT
MARKINGS

C509



1 ELECTRICAL SITE PLAN
1" = 20'-0"

- POWER GENERAL NOTES**
- COORDINATE LOCATION/INSTALLATION OF MECHANICAL AND ELECTRICAL WORK WITH ALL OTHER TRADES. NO ASPECT OF A SYSTEM INSTALLATION OR ITS ROUGH-IN SHALL COMMENCE UNTIL PROPER AND TIMELY COORDINATION WITH ALL TRADES ASSOCIATED WITH THE INSTALLATION HAS TRANSPIRED. ITEMS TO BE COORDINATED SHALL INCLUDE BUT NOT BE LIMITED TO: BUILDING STRUCTURE, SHEET METAL, PIPING SYSTEMS, LIGHT FIXTURES, CONDUITS, CABLE TRAYS, ETC. REFER TO ALL GENERAL, MECHANICAL, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
 - COORDINATE ELECTRICAL REQUIREMENTS FOR MECHANICAL UNITS WITH M.C. AND FINAL MECHANICAL SHOP DRAWINGS.
 - PROVIDE THE REQUIRED PENETRATIONS WHILE ROUTING CABLING THROUGH THE BUILDING. COORDINATE FIRE RATED WALL PENETRATIONS. PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN THAT RATING.

- KEYNOTES #**
- LOCATION OF SITE SURVEILLANCE CAMERA. PROVIDE SINGLE MODE FIBER FROM THE IT ROOM 010 TO SERVE CAMERA. PROVIDE AXIS T98A-VE CABINET WITH REQUIRED EQUIPMENT TO SUPPORT SITE CAMERA.
 - RELOCATED STREET LIGHT. PROVIDE NEW CONCRETE BASE, REINSTALL EXISTING POLE AND FIXTURE. RECONNECT TO EXISTING CIRCUIT. COORDINATE EXISTING AND NEW FINAL LOCATION WITH CIVIL DRAWINGS.
 - TRANSFORMER PAD. REFER TO DETAIL 7/E400.
 - LOCATION OF OWNER'S HANDHOLE SERVING OWNER'S WAN FIBER AND THE TRAFFIC CONTROL FIBER. HANDHOLE AND PATHWAYS SHALL BE PROTECTED THROUGHOUT CONSTRUCTION. HANDHOLE WILL BE IN PARKING AREA SO CONTRACTOR SHALL REPLACE THE COVER WITH A COVER RATED FOR TRAFFIC, NO LOWER THAN TIER 22.
 - OWNER'S EXISTING WIDE AREA NETWORK FIBER AND TRAFFIC FIBER PEDESTAL. TRAFFIC FIBER ROUTES INTO AND OUT OF THE EXISTING LIBRARY FROM THIS LOCATION AND WILL NEED TEMPORARILY JUMPED TO ELIMINATE THE LIBRARY LEG DURING CONSTRUCTION TO PREVENT INTERRUPTING SERVICE. COORDINATE THE TEMPORARY CUTOVER OF THIS SERVICE BEFORE CONSTRUCTION AND AFTER FIBER IS ROUTED BACK INTO THE NEW IT ROOM WITH JAY EASON AND TOM DOZLER WITH THE CITY OF ANKENY.
 - CONTROL WITH PHOTOCELL MOUNTED ABOVE ENTRY VESTIBULE SHOWN ON E200.
 - PROVIDE HAND HOLES AS REQUIRED FOR CIRCUIT INSTALLATION TO TRANSFER SWITCHES IN BASEMENT ELECTRICAL ROOM.

ISSUANCE

100% CONSTRUCTION DOCUMENTS
10/21/2019

PRINCIPAL NS
DESIGNER AV

REVISIONS

10.19.2019 Addendum #1
11.07.2019 Addendum #2

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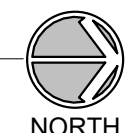
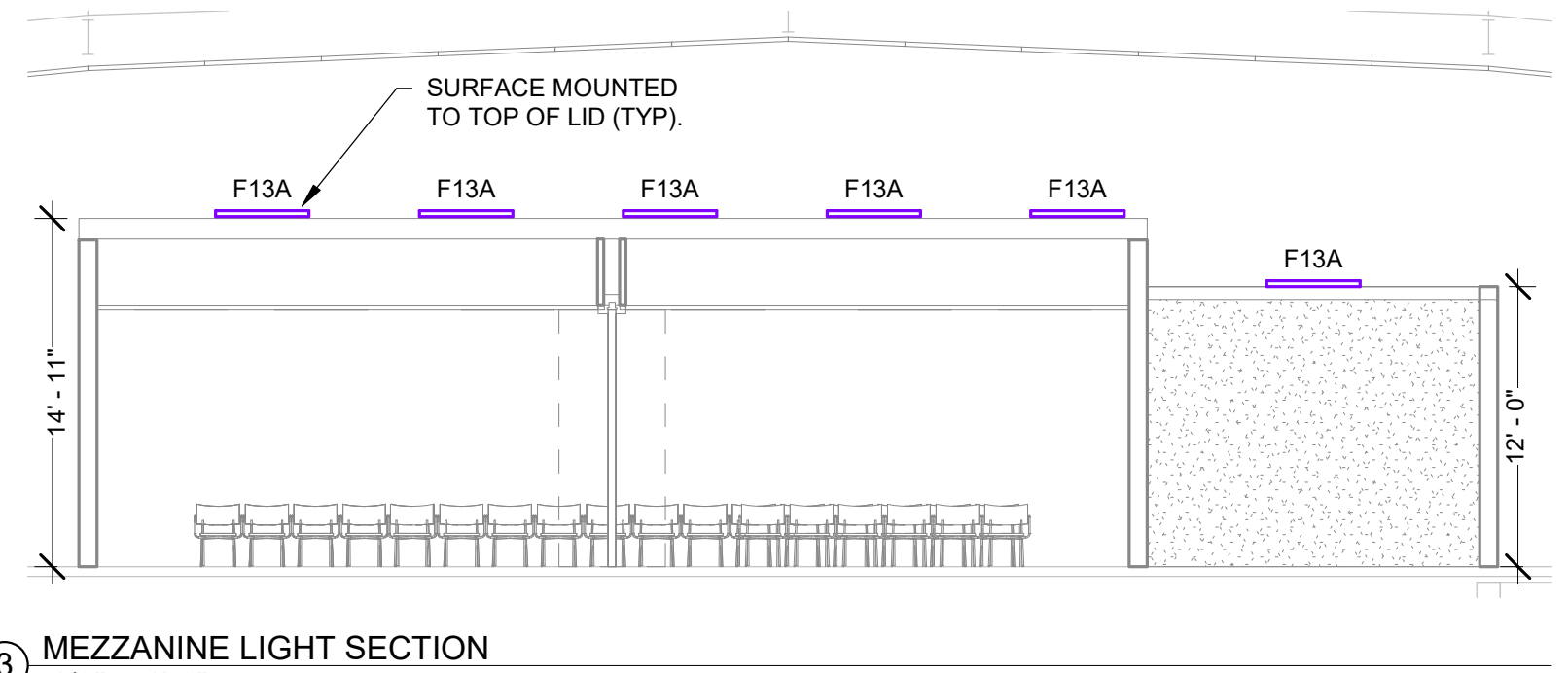
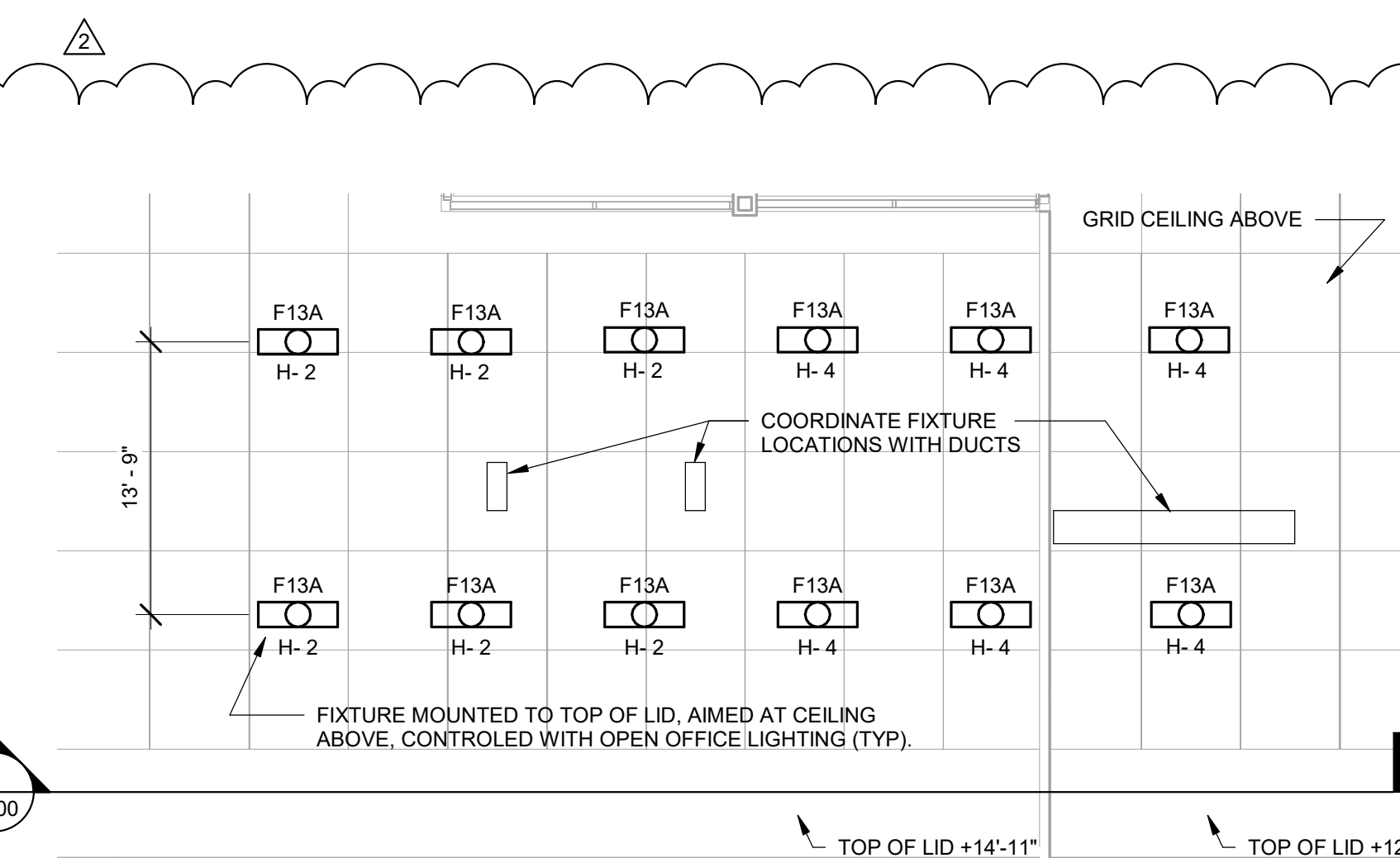
PROJECT NUMBER
18078

ELECTRICAL SITE PLAN

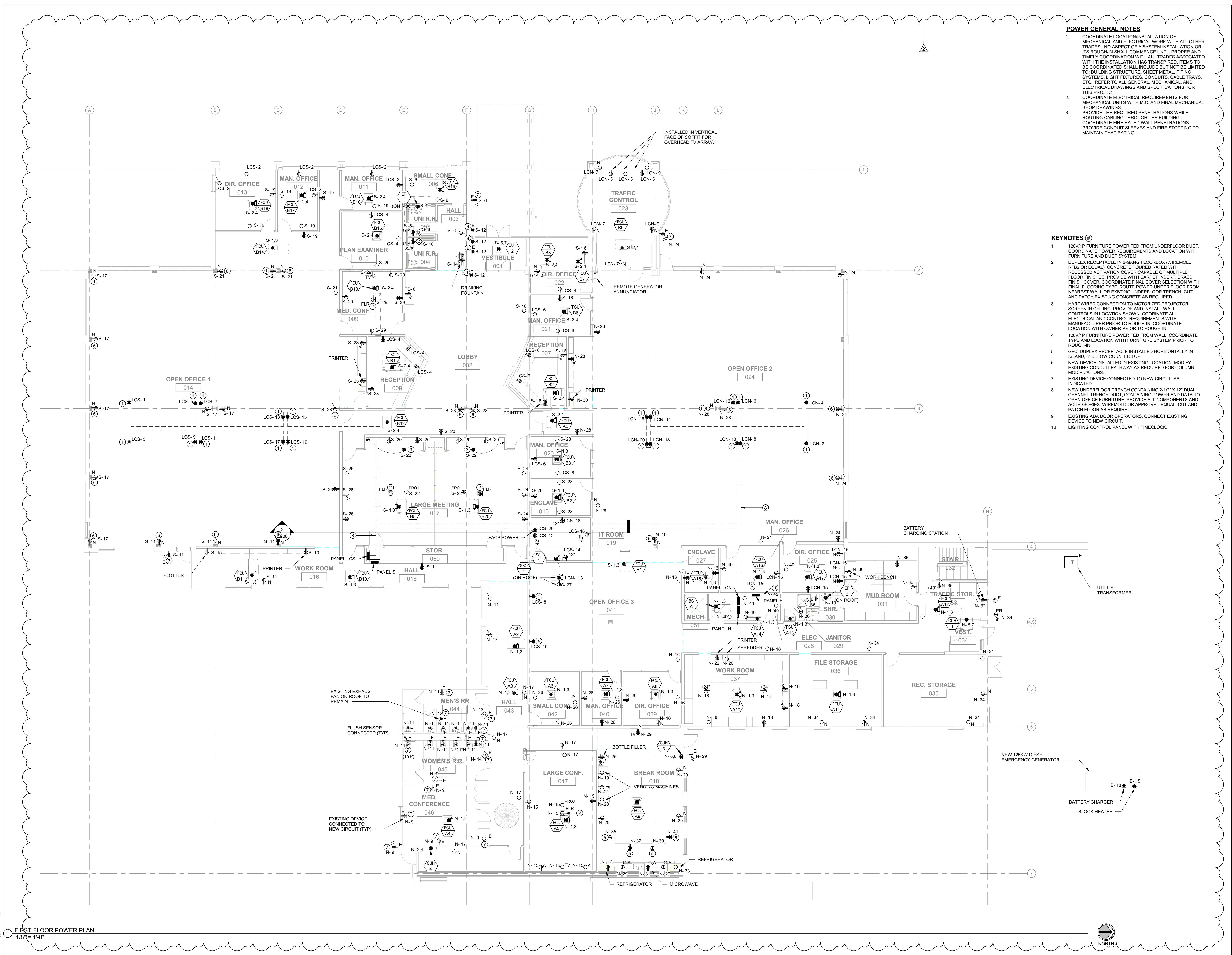
E001

1. COORDINATE LOCATION/INSTALLATION OF MECHANICAL AND ELECTRICAL WORK WITH ALL OTHER TRADES. NO ASPECT OF A SYSTEM INSTALLATION OR ITS ROUGH-IN SHALL COMMENCE UNTIL PROPER AND TIMELY COORDINATION WITH ALL TRADES ASSOCIATED WITH THAT INSTALLATION HAS TRANSPIRED. ITEMS TO BE COORDINATED SHALL INCLUDE BUT NOT BE LIMITED TO: BUILDING STRUCTURE, SHEET METAL, ALL PIPING SYSTEMS, LIGHT FIXTURES, CONDUITS, CABLE TRAYS, ETC. REFER TO ALL GENERAL, MECHANICAL, AND ELECTRICAL DRAWINGS AND NOTIFICATIONS FOR SPECIFIC REQUIREMENTS.
2. PROVIDE EMERGENCY TRANSFER SWITCHES AS REQUIRED FOR EMERGENCY LIGHTING.

- 1 DIGITAL ROOM CONTROLLER 6 BUTTON STATION WITH
DIMMING. COORDINATE ZONES OF CONTROL WITH OWNER
- 2 MOUNT FIXTURE ON TOP OF SOFFIT. COORDINATE
MOUNTING LOCATION AND AIMING WITH ARCHITECT.
- 3 NEW LED FIXTURE INSTALLED IN EXISTING SLOT IN GYP
CEILING. FIELD VERIFY EXISTING SLOT DIMENSIONS PRIOR
TO ORDERING.
- 4 RECONNECT FIXTURES IN THIS SPACE TO EXISTING
CONTROLS.



BLM 360/1/19019 - Ankeny Public Services Building/Ankeny Public Services Building, ELEC_R19.rvt



1 FIRST FLOOR POWER PLAN
1/8" = 1'-0"

- POWER GENERAL NOTES**
- COORDINATE LOCATION/INSTALLATION OF MECHANICAL AND ELECTRICAL WORK WITH ALL OTHER TRADES. NO ASPECT OF A SYSTEM INSTALLATION OR ITS ROUGH-IN SHALL COMMENCE UNTIL PROPER AND TIMELY COORDINATION WITH ALL TRADES ASSOCIATED WITH THE INSTALLATION HAS TRANSPIRED. ITEMS TO BE COORDINATED SHALL INCLUDE BUT NOT BE LIMITED TO: BUILDING STRUCTURE, SHEET METAL, PIPING, SYSTEMS, LIGHT FIXTURES, CONDUITS, CABLE TRAYS, ETC. REFER TO ALL GENERAL, MECHANICAL, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
 - COORDINATE ELECTRICAL REQUIREMENTS FOR MECHANICAL UNITS WITH M.C. AND FINAL MECHANICAL SHOP DRAWINGS.
 - PROVIDE THE REQUIRED PENETRATIONS WHILE ROUTING CABLEING THROUGH THE BUILDING. COORDINATE FIRE RATED WALL PENETRATIONS. PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN THAT RATING.

- KEYNOTES**
- 120V/1P FURNITURE POWER FED FROM UNDERFLOOR DUCT. COORDINATE POWER REQUIREMENTS AND LOCATION WITH FURNITURE AND DUCT SYSTEM.
 - DUPLEX RECEPTACLE IN 2-GANG FLOORBOX (WIREMOLD RFB2 OR EQUAL), CONCRETE POURED RATED WITH RECESSED ACTIVATION COVER CAPABLE OF MULTIPLE FLOOR FINISHES. PROVIDE WITH CARPET INSERT BRASS FINISH COVER. COORDINATE FINAL COVER SELECTION WITH FINAL FLOORING TYPE. ROUTE POWER UNDER FLOOR FROM NEAREST WALL OR EXISTING UNDERFLOOR TRENCH. CUT AND PATCH EXISTING CONCRETE AS REQUIRED.
 - HARDWIRED CONNECTION TO MOTORIZED PROJECTOR SCREEN IN CEILING. PROVIDE AND INSTALL WALL CONTROLS IN LOCATION SHOWN. COORDINATE ALL ELECTRICAL AND CONTROL REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN. COORDINATE LOCATION WITH OWNER PRIOR TO ROUGH-IN.
 - 120V/1P FURNITURE POWER FED FROM WALL. COORDINATE TYPE AND LOCATION WITH FURNITURE SYSTEM PRIOR TO ROUGH-IN.
 - GFCI DUPLEX RECEPTACLE INSTALLED HORIZONTALLY IN ISLAND, 8" BELOW COUNTER TOP.
 - NEW DEVICE INSTALLED IN EXISTING LOCATION. MODIFY EXISTING CONDUIT PATHWAY AS REQUIRED FOR COLUMN MODIFICATIONS.
 - EXISTING DEVICE CONNECTED TO NEW CIRCUIT AS INDICATED.
 - NEW UNDERFLOOR TRENCH CONTAINING 2-1/2" X 12" DUAL CHANNEL TRENCH DUCT, CONTAINING POWER AND DATA TO OPEN OFFICE FURNITURE. PROVIDE ALL COMPONENTS AND ACCESSORIES. WIREMOLD OR APPROVED EQUAL. CUT AND PATCH FLOOR AS REQUIRED.
 - EXISTING ADA DOOR OPERATORS. CONNECT EXISTING DEVICE TO NEW CIRCUIT.
 - LIGHTING CONTROL PANEL WITH TIMELOCK.

November 12, 2019

ADDENDUM NUMBER THREE
To Contract Documents for:
ANKENY PUBLIC SERVICES LIBRARY REMODEL
SVPA Project No. 18078

DATE: November 12, 2019

ARCHITECT:

SVPA ARCHITECTS INC.

1466 28th Street, Suite 200
West Des Moines, IA 50266
515.280.2429 515.327.5991 FAX
Contact: Danielle Williams
E-MAIL: d-williams@svpa-architects.com

STRUCTURAL ENGINEER:

TOMETICH ENGINEERING

10501 Buena Vista Court
Urbandale, IA 50322
515.280.8022 515.727.9124 FAX
Contact: Carl Stump
cjs@tometich-engineering.com

MEP ENGINEER:

KCL ENGINEERING

300 4th Street
West Des Moines, IA 50265
515.724.7938
Electrical Contact:
Neil Smeenk, nsmeenk@kclengineering.com
Mechanical Contact:
Josh Sieglaff, jsieglaff@kclengineering.com

CIVIL ENGINEER :

SNYDER & ASSOCIATES

2727 SW Snyder Blvd.
Ankeny, IA 50023
515.964.2020
Contact: Don Marner
dpmarner@snyder-associates.com

This addendum is issued to modify, clarify, or amend the original Project Manual and /or Drawings and is hereby made part of the Contract Documents dated October 21, 2019. The Contractor shall be responsible for incorporating items in this Addendum to the Work. Attach this addendum to the Project Manual(s) in your possession. Acknowledge receipt of this Addendum by number where indicated on the Bid Form. Failure to do so may subject Bidder to disqualification. The following shall take precedence over anything to the contrary in the Project Manual, in the Drawings, or in prior Addenda

This Addendum consists of (3) pages and the following attachments:

(3) Full Size Revised Drawings C103, C200, C400

PRODUCT APPROVALS

Preliminary approvals of products are indicative of the general acceptability of the product based on the quality, manufacturer's and representative's integrity, availability of service and similar general considerations. Final approval will be contingent upon compliance with detailed Specifications.

Section	Product	Manufacturer
23 0900	Controls	Johnson Controls
23 3423	Roof Ventilators	Soler & Palau
23 3713	Registers & Grilles	Anemostat
23 8239	Electric Unit Heaters	Stelpro
23 2113	Vibration isolation Pump Drop	Victaulic
Light Fixture Approvals	Type	Manufacturer
	F1, F1A	Lithonia
	F2	Lithonia
	F2A	Gotham

SVPA No. 18078
Ankeny Public Services Library Remodel
Ankeny, IA

ADDENDUM NO. 2

00 90 00-1

Light Fixture Approvals, cont.	Type	Manufacturer
	F7, F7A	Lithonia
	F14	Lithonia
	F16	Gotham
	X1	Lithonia

CHANGES TO THE SPECIFICATIONS

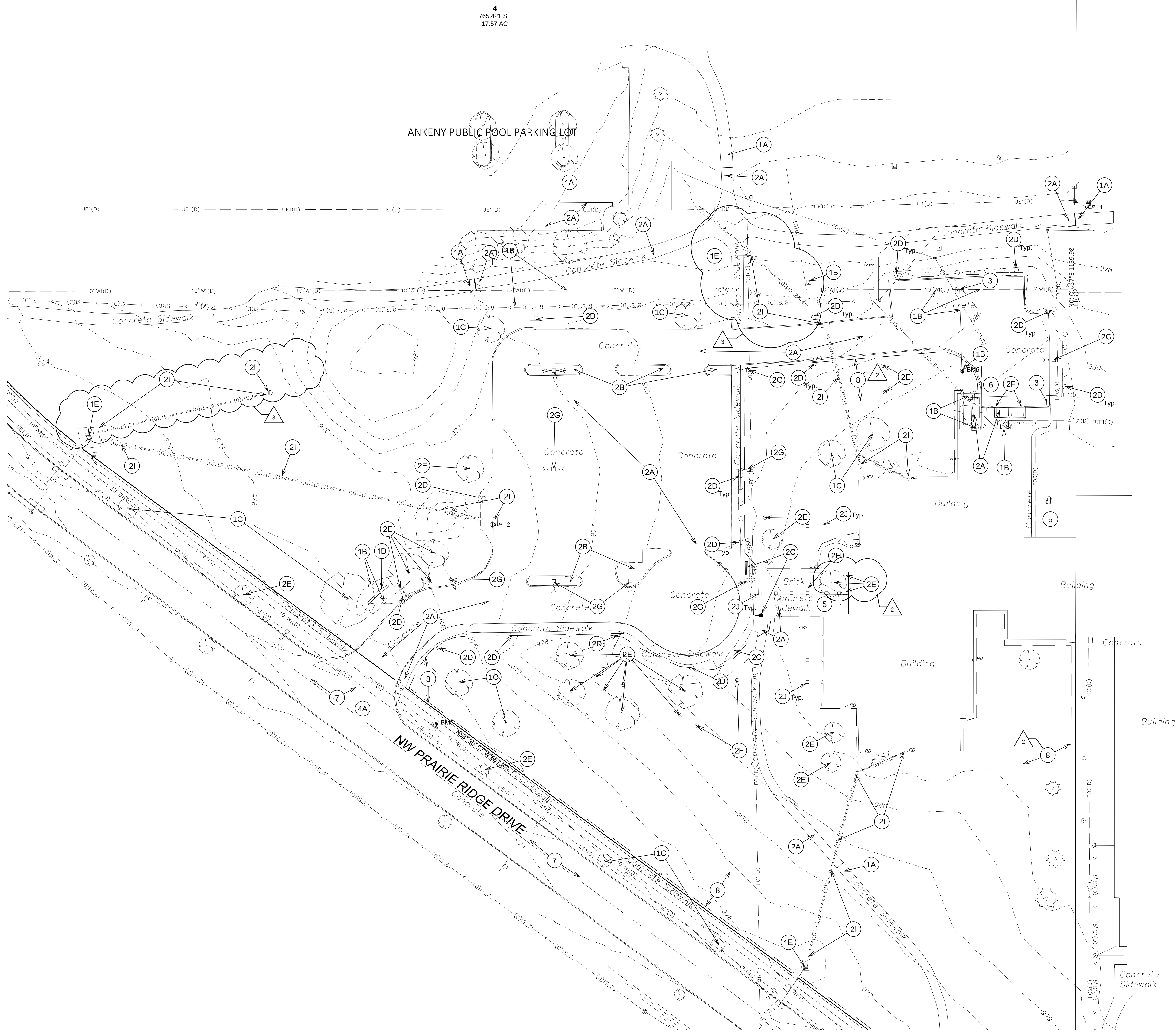
1. **Section 22 13 19 Sanitary Waste Piping Specialties**
 - A. **DELETE** 1.02 C Related Requirements.
2. **Note: The hand dryer specification “26 70 10” was incorrectly titled “27 80 10” in Addendum 02. “26 70 10” is the correct section number.**
3. **Specification Section 28 2000 – Video Management System**
 - A. **DELETE** 2.01 A.2. “Network Video Recording Server and Storage”
 - B. **DELETE** 2.03 A. “Recording Server”

CHANGES TO THE DRAWINGS

1. **G001 Cover Sheet**
 - A. Delete Sheets M401, P501, and P301 from the list of Drawings. They are not included.
2. **C103 Demolition Plan**
 - A. Modifications and clarifications to removal of existing storm sewer located on west and north areas of site as shown on attached revised C103.
3. **C200 Dimension Plan**
 - A. Modifications to construction notes for paint markings on pavement and water line curb stop as shown on attached revised C200.
4. **C400 Planting Plan**
 - A. Addition of shrub variety to planting schedule and modification to proposed plant grouping located near front entry of building as shown on attached revised C400.
5. **A602 Room Finish Key & Schedules**
 - A. Revise SS1 to Corian, Deep Cloud.
 - B. Revise SS2 to Corian, Silver Birch.
 - C. Add QTZ1 to the Finish Schedule as Corian, Concrete Carrara.
6. **Sheet M500 – Mechanical Schedules – Energy Recovery Ventilator Schedule**
 - A. **ADD** Note 7 – Unit shall be broken down to fit into basement of the building.
 - B. **ADD** Note 8 – GC shall remove and replace hand rails and door frames on the stairs to facility MC’s installation of unit.
 - C. **ADD** Note 9 – MC shall be responsible for reassembling unit in basement.
 - D. **ADD** Note 10 – EC shall be responsible for wiring unit components together.
 - E. **ADD** Note 11 – Unit sections shall fit through a standard 36” wide door.
 - F. **ADD** Note 12 – Due to late nature of this substitution Annexaire or engineer approved equal will be the only allowed bidders.
 1. To request approval to bid please email Joshua Sieglaff (jsieglaff@kclengineering.com) confirming that you have visited the job site and that your equipment will be able to be broken down and reassembled using the existing pathway. Upon review by the engineer, approval may be granted by reply email as there will be no further addenda.
7. **Sheet P500 – Plumbing Schedules**

- A. **REVISE** Note 4 on Pipe Schedule to remove reference to Elementary School.
- 8. **Sheet E001 – Electrical Site Plan**
 - A. **ADD** note to generator emergency power off button: "Install emergency power off in nearby accessible location on building wall. Coordinate final location with owner prior to rough-in".
 - B. **ADD** sentence to the end of keyed note 7: "Coordinate trenching for new conduits from generator to basement. Patch and repair pavement as required."
- 9. **Sheet E200 – Main Floor Lighting**
 - A. **ADD** (1) existing can light fixture outside of MED. CONFERENCE 046 (at location of "NL EM" note). Add note to Reconnect existing fixture to new circuit E-2.
- 10. **Sheet E500 – One-Line Diagram - Demolition**
 - A. **REVISE** feeders between the Utility Transformer and the CT Cabinet, and between the CT cabinet and the 800A Main Switch – Feeders shall be demolished in Detail 1 and provided again as new in Detail 2. This area of the building has experienced water infiltration and settling. Contractor shall include pricing to replace these sections of feeder with new 800A feed.
- 11. **Sheet T200 Main Floor Safety and Security**
 - A. **REVISE** (2) cameras, one in each Open Office area to be CAM-2.

END OF ADDENDUM 03



- DEMOLITION PLAN CONSTRUCTION NOTES
- EXISTING FEATURES, PROTECT THE FOLLOWING:
 - EXISTING PAVEMENTS.
 - EXISTING UTILITIES.
 - EXISTING TREES/VEGETATION.
 - EXISTING FEATURES: SIGNAGE, FURNISHINGS, ETC.
 - EXISTING STORM SEWER.
 - EXISTING FEATURES, CONTRACTOR TO REMOVE AND DISPOSE OF THE FOLLOWING:
 - EXISTING PAVEMENTS.
 - EXISTING MEDIAN ISLANDS, INCLUDING CURB AND GUTTER, ROCK AND SOIL WITHIN MEDIAN.
 - EXISTING SITE FURNISHINGS: BENCH, FLAG POLE, TRASH RECEPTACLE, BIKE LOOPS, ETC.
 - EXISTING SIGNAGE.
 - EXISTING VEGETATION AND TREES.
 - EXISTING TRASH ENCLOSURE.
 - EXISTING OVERHEAD LIGHTS. SEE ELECTRIC PLANS.
 - EXISTING BRICK PAVERS.
 - EXISTING STORM SEWER.
 - EXISTING STRUCTURES.
 - ADJUST UTILITIES AS NECESSARY TO MATCH PROPOSED IMPROVEMENTS AND NEW FINISHED GRADE ELEVATION.
 - PROVIDE TEMPORARY TRAFFIC CONTROL AS NECESSARY FOR CONSTRUCTION PER SUDAS 8030.101.
 - SEE ARCHITECTURAL AND STRUCTURAL PLANS FOR COORDINATION OF PROPOSED BUILDING IMPROVEMENTS AND STRUCTURES.
 - SEE MECHANICAL AND ELECTRICAL PLANS FOR COORDINATION OF PROPOSED IMPROVEMENTS.
 - SEE NW PRAIRIE RIDGE DRIVE PLANS FOR PROPOSED STREET WIDENING AND ASSOCIATED IMPROVEMENTS.
 - AN IRRIGATION SYSTEM EXISTS IN THE AREA SHOWN AND IS NOT ACTIVE. CONTRACTOR TO REMOVE EXISTING IRRIGATION LINES AND COMPONENTS WHEN ENCOUNTERED DURING CONSTRUCTION. EXISTING IRRIGATION SYSTEM NOT DISTURBED FOR CONSTRUCTION IS TO BE ABANDONED IN PLACE.

REVISIONS	
11/07/2019 ADDENDUM NO. 2	2
11/12/2019 ADDENDUM NO. 3	3

1. PAVEMENTS, PROVIDE THE FOLLOWING :

- A. 7" DEPTH PCC WITH 4" DEPTH AGGREGATE SUBBASE.
- B. 4" DEPTH PCC.
- C. INTEGRAL CURB AND SIDEWALK.
- D. 6" STANDARD CURB.
- E. 6" DEPTH PCC W/ 4" DEPTH AGGREGATE SUBBASE.
- F. 6" WIDE 3" DEPTH PCC LANDSCAPE EDGER.
- G. 5" DEPTH PCC.
- H. RAMP PAVEMENT.
- I. SEE PLANS FOR NW PRAIRIE RIDGE DRIVE WIDENING.
- J. TAPER CURB, 6' DISTANCE.
- K. PROVIDE 4'X4'4" DEPTH PCC PAD FOR DROP BOX. DF.

PROVIDED BY OWNER.

- A. 4" WIDE PAINTED PARKING STALL LINES, COLOR WHITE.
- B. PAINTED STATE OF IOWA APPROVED ACCESSIBLE PARKING SYMBOL, COLOR WHITE.
- C. ACCESSIBLE AISLE: 45" STRIPING AT 3' ON CENTER SPACING WHERE SHOWN, COLOR WHITE.
- D. PAINT LINES AS PER SDAS REQUIREMENTS.
- E. STOP BAR AS PER MUTCD REQUIREMENTS, COLOR WHITE, 4' FROM CROSS WALK.
- F. PAINT DIRECTIONAL ARROWS, COLOR WHITE.
- G. PAINT LANE DIVIDER, DOUBLE SOLID LINES, COLOR YELLOW.
- H. PAINT LANE, SOLID WHITE.

3. SIGNS, PROVIDE THE FOLLOWING:

- A. PROVIDE HANDICAP ACCESSIBLE PARKING SIGNAGE AS PER ADAAG REQUIREMENTS.
- B. PROVIDE VAN ACCESSIBLE PARKING SIGNS AS PER ADAAG REQUIREMENTS.
- C. PROVIDE STOP SIGN AS PER MUTCD REQUIREMENTS.

4. UTILITIES, PROVIDE THE FOLLOWING,

- A. STORM SEWER IMPROVEMENTS - SEE GRADING, AND UTILITY PLAN.
- B. LIGHTING AND ELECTRICAL IMPROVEMENTS. SEE ELECTRICAL SHEET FOR PARKING LOT LIGHTING AND FLOOD LIGHTS FOR FLAGPOLES.
- C. GENERATOR, SEE ELECTRIC PLANS.

5. FLAG POLES, PROVIDE THE FOLLOWING:

- A. (1) 30' HEIGHT FLAG POLE WITH FOOTING, SEE DETAIL.
- B. (2) FLAG POLES, 25' HT. W/ FOOTINGS, SEE DETAIL.
- C. LIGHTS, SEE ELECTRIC PLANS.
- D. 4" DEPTH PCC PAD, 5' x 32'.

6. PROVIDE CONSTRUCTION FENCING TO SECURE THE PROJECT SITE. COORDINATE LOCATION BASED UPON PROJECT NEEDS AND ADJUST AS NECESSARY DURING CONSTRUCTION. PROVIDE GATES FOR ACCESS IN COORDINATION WITH THE CITY OF ANKENY.

7. PROVIDE TRASH ENCLOSURE, SEE ARCHITECTURAL PLANS.

8. HYDRAULICALLY SEED ALL AREAS DISTURBED BY CONSTRUCTION, UNLESS NOTED TO BE SODDED, BY USING BONDED FIBER MATRIX WITH TYPE 1 PERMANENT LAWN SEED MIX.

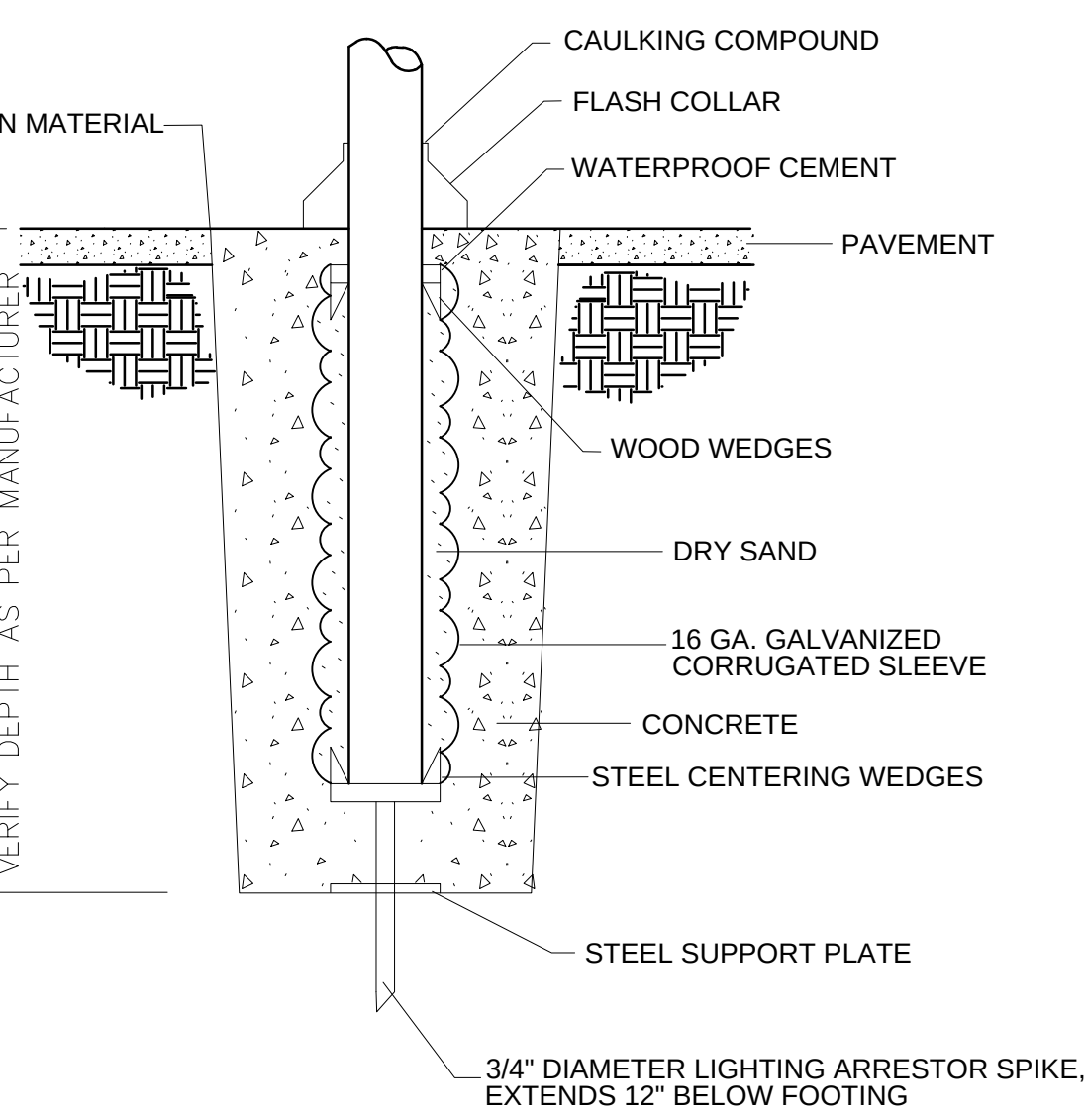
9. SOD AREAS WHERE SHOWN.

10. PROVIDE RIVER ROCK.

11. BIKE RACK LOOPS, PROVIDE THE FOLLOWING:
A. DUMOR, INC. MANUFACTURER, (4) QUANTITY, 83 SERIES BIKE RACK, POWDER COATED BLACK, SURFACE MOUNT, IN LOCATION SHOWN.

12. CONTRACTOR TO PROVIDE CURB STOP CAP (A.Y. McDONALD 5607) AND ENCASE IN CONCRETE FOR WATER SERVICE LINE INTO BUILDING.

PCC CONCRETE CONSTRUCTION NOTES- FOR SITE PAVEMENT
CONTRACTOR TO PROVIDE JOINTING PLAN DETAILING JOINT TYPES AND CONSTRUCTION SEQUENCING FOR ENGINEER'S REVIEW AND APPROVAL, PRIOR TO CONSTRUCTION. FIELD VERIFY LAYOUT OF EXISTING PAVEMENT JOINTS TO INSURE ALIGNMENT WITH PROPOSED JOINTING. JOINTING SHALL BE IN ACCORDANCE WITH SDUS 2019 EDITION. LAYOUT JOINTS TO MAXIMUM 12' SPACING WHERE POSSIBLE. CONTRACTOR TO PROVIDE LONGITUDINAL 'LT', 'RT'-1 JOINTS AND TRANSVERSE 'C' JOINTS. CONTRACTOR TO PROVIDE 'B'/'BT' JOINTS WITH PROPOSED PAVEMENT SURFACE FINISH TO MATCH EXISTING PAVEMENT SURFACE. CONTRACTOR TO PROVIDE THICKENED EDGE (8" MINIMUM DEPTH) WHEN PAVEMENTS ARE TO BE TIED TOGETHER. CONTRACTOR TO PROVIDE EXPANSION JOINT ADJACENT TO BUILDINGS / STOOPS AND AT INTERFACE OF INTEGRAL SIDEWALK / DRIVE, ETC.



NOTES:

1. CONTINENTAL MODEL FLAGPOLE, 30' HEIGHT, EXTERNAL HALYARD MOUNTED 7' ABOVE GRADE, BRUSHED ALUMINUM FINISH, INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS - AS MANUFACTURED BY CONCORD INDUSTRIES, INC., P.O. BOX 269, ADDISON, TX 75001; AND DISTRIBUTED BY MARTINS' FLAG COMPANY, INC., 12111 181ST AVENUE NORTH, FORT DODGE, IA 50501; PH: 1-800-248-3524, OR APPROVED EQUIVALENT. QUANTITY - 2

2. CONTINENTAL MODEL FLAGPOLE, 25' HEIGHT, EXTERNAL HALYARD MOUNTED 7' ABOVE GRADE, BRUSHED ALUMINUM FINISH, INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS - AS MANUFACTURED BY CONCORD INDUSTRIES, INC., P.O. BOX 269, ADDISON, TX 75001; AND DISTRIBUTED BY MARTINS' FLAG COMPANY, INC., 12111 181ST AVENUE NORTH, FORT DODGE, IA 50501; PH: 1-800-248-3524, OR APPROVED EQUIVALENT. QUANTITY - 2

1 FLAGPOLE AND FOOTING DETAIL
C200 NO SCALE





1210 NW PRAIRIE RIDGE DRIVE

ANIKENY 1A 50021

ISSUANCE
SITE PLAN
11/08/2019

11/07/2019 ADDENDUM NO. 2

11/12/2019 ADDENDUM NO. 3

© 2019

PROJECT NUMBER
119.0189.01

PLAN

C400



A. UTILITY WARNING:
THE UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND/OR RECORDS OBTAINED. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES SHOWN CORRESPOND TO THE ACTUAL UTILITIES EITHER IN SERVICE OR ABANDONED. THE SURVEY FURTHER DOES NOT WARRANT THAT THE UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED.

B. NOTIFY UTILITY OWNERS PRIOR TO BEGINNING ANY CONSTRUCTION.
CONTRACTOR IS RESPONSIBLE FOR DETERMINING EXISTENCE, EXACT LOCATION AND DEPTH OF ALL UTILITIES. AVOID DAMAGE TO UTILITIES AND SERVICES DURING CONSTRUCTION. ANY DAMAGE DUE TO THE CONTRACTOR'S CARELESSNESS SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE. COORDINATE AND COOPERATE WITH UTILITY COMPANIES DURING CONSTRUCTION.

C. ALL PLANT MATERIAL SHALL AT LEAST MEET MINIMUM REQUIREMENTS SHOWN IN THE "AMERICAN STANDARDS FOR NURSERY STOCK" (ANSI Z603-LATEST EDITION).

D. PROVIDE 3 INCH DEPTH SHEVLED HARDWOOD MULCH IN ALL PLANT BED AREAS INDICATED ON PLAN. SHOVEL CUT BED EDGE.

E. SEED ALL AREAS DISTURBED BY CONSTRUCTION WITH TYPE 1 SUDAS PERMANENT LAWN SEED MIX, UNLESS NOTED OTHERWISE FOR SODDING.

	KEY	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS
DECIDUOUS TREES	AG	<i>Amelanchier x grandiflora</i> 'Autumn Brilliance'	AUTUMN BRILLIANCE SERVICEBERRY	6' HT.	B&B
	CO	<i>Celtis occidentalis</i> 'Prairie Pride'	PRAIRIE PRIDE HACKBERRY	1' CAL.	B&B
	GT	<i>Gleditsia triacanthos</i> 'internis' 'Skyline'	SKYLINE HONEYLOCUST	1½' CAL.	B&B
	PP	<i>Picea glauca</i> 'Densata'	BLACK HILLS SPRUCE	6' HT.	B&B
	QR	<i>Quercus rubra</i>	NORTHERN RED OAK	1' CAL.	B&B
	SR	<i>Syringa reticulata</i>	JAPANESE TREE LILACE	1½' CAL.	B&B
SHRUBS	CA	<i>Cornus alba</i> 'Sibirica'	RED TWIG DOGWOOD	30"	2
	JC	<i>Juniperus chinensis</i> 'Sea Green'	SEA GREEN JUNIPER	30"	
	SR	<i>Spiraea x bumalda</i> 'Goldmound'	GOLDBURNAL SPIREA	12"	
	TM	<i>Taxus x media</i> 'Tauntton'	GUMBALL SPIREA TAUNTON VEGET.	24"	
	GS	<i>Spiraea</i> 'Goldmound'	GOLDMOUND SPIREA	24"	

LANDSCAPE REQUIREMENTS AND CALCULATIONS:
(AS PER CITY OF ANKENY SITE PLAN OPEN SPACE AND LANDSCAPING REQUIREMENTS)

OPEN SPACE REQUIREMENTS:
219,777 SF (5.05 AC.) OVERALL PROPERTY X 20% MIN. OPEN SPACE = 43,955.40 SF OPEN
TOTAL HARDSURFACE (DRIVES, PARKING AND BUILDINGS)= 88,596 SF
(131,181 SF) = 59.7% TOTAL OPEN SPACE PROVIDED

OPEN SPACE LANDSCAPE REQUIREMENTS:
43955.40 SF/ 3000SF = 14.65 PLANT UNITS REQ'D.
14.65 PU X 2 TREES = 29.3 TREES REQ'D, (29 PROVIDED)
14.65 PU X 6 SHRUBS = 87.9 REQ'D, (131 PROVIDED)

PAVEMENT SHADING REQUIREMENTS:
 64,004 SF OF PAVEMENT X 20% = 13,071.6 SF
 13,071.6/ 706 SF = 18.13 OVERSTORY TREES REQ'D (19 PROVIDED)