# 157 POPLAR AVENUE BUILDING EXTERIOR RESURFACING

## For

# SHELBY COUNTY GOVERNMENT

## 157 POPLAR AVE MEMPHIS, TENNESSEE 38103

CONSTRUCTION DOCUMENTS

**JANUARY 11, 2013**

A2H

ASKEW HARGRAVES HARCOURT & ASSOCIATES, INC.

Memphis, TN
901.372.0404

www.a2h.com

ARCHITECT

STRUCTURAL ENGINEER

SHEET INDEX


| ARCHITECTURAL | |
|---|---|
| NUMBER | NAME |
| A1.0 | ROOF PLAN |
| A2.1 | BUILDING ELEVATIONS - NORTH |
| A2.2 | BUILDING ELEVATIONS - SOUTH |
| A2.3 | BUILDING ELEVATIONS - EAST |
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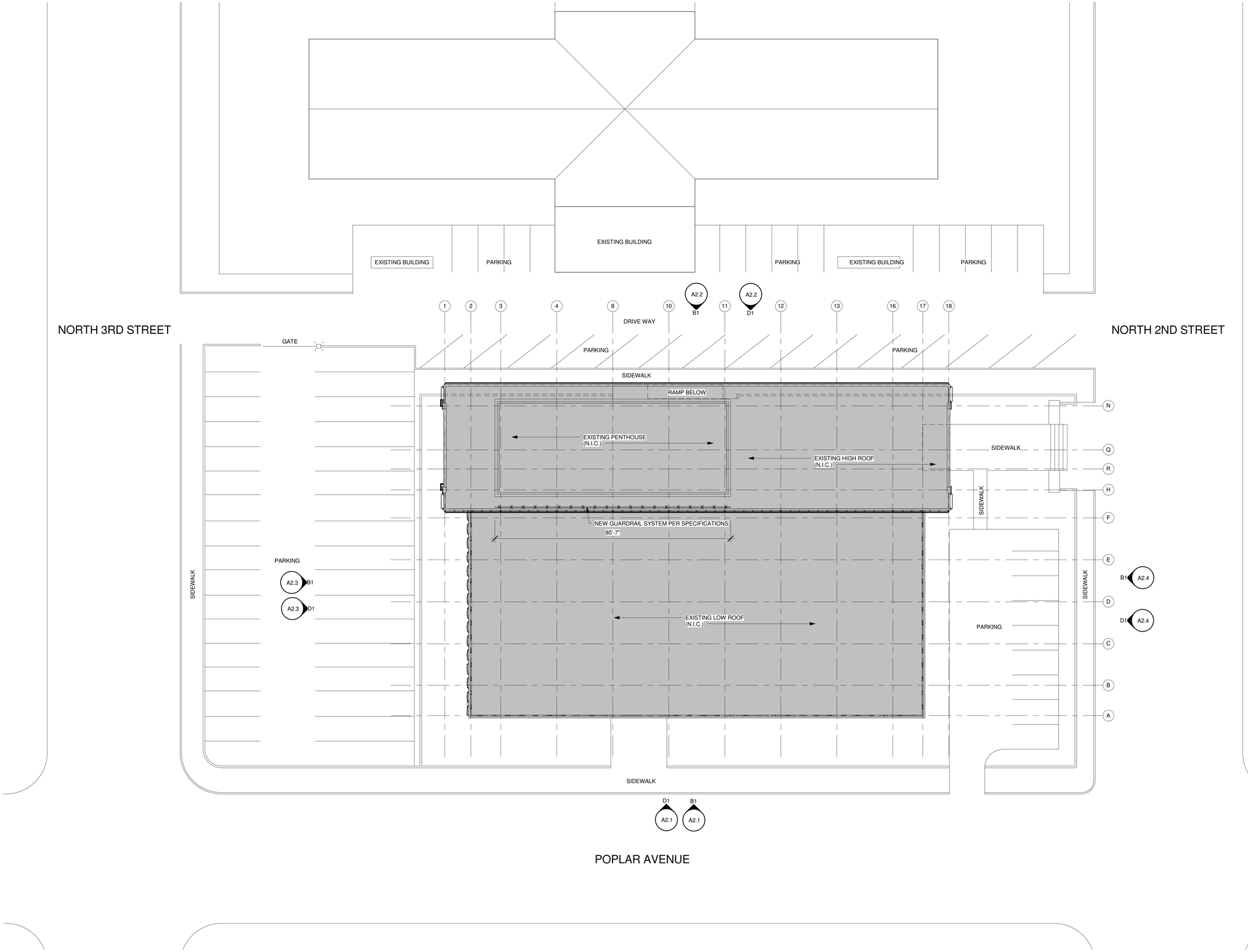


D1 ROOF PLAN
1/16" = 1'-0"

NORTH

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STATE OF TENNESSEE
1-11-13

# 157 POPLAR AVENUE BUILDING EXTERIOR RESURFACING
# SHELBY COUNTY GOVERNMENT
157 POPLAR AVE MEMPHIS, TENNESSEE 38103

REVISIONS

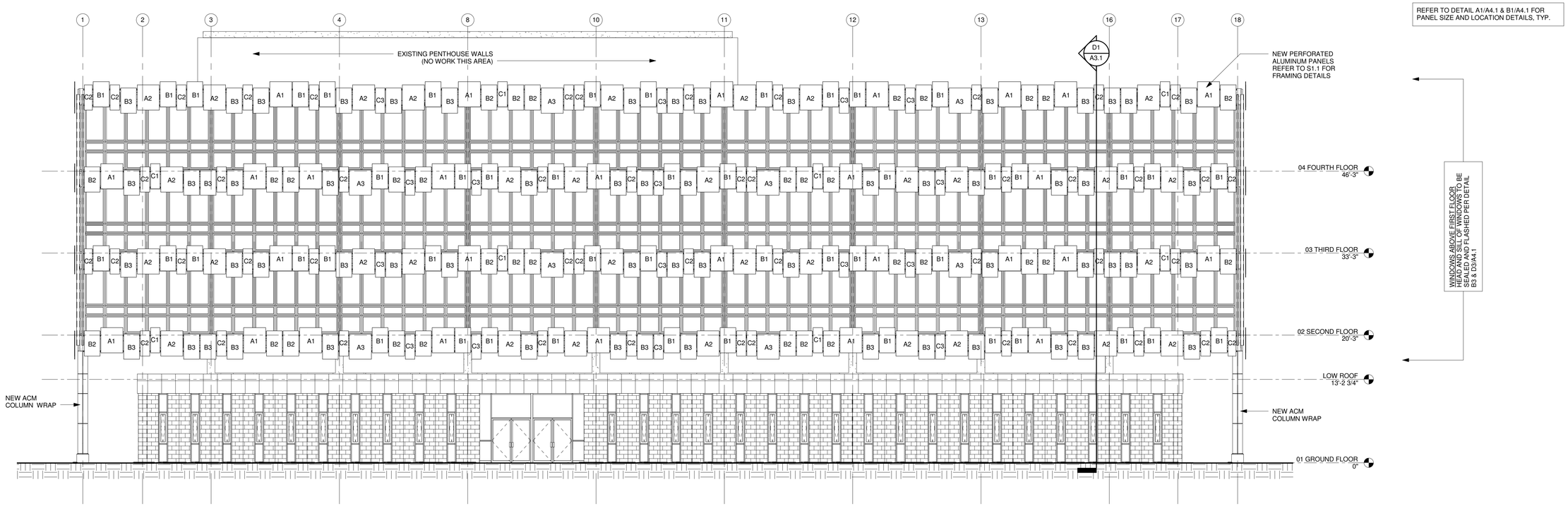
PROJECT NO.
12194

DATE:
JANUARY 11, 2013

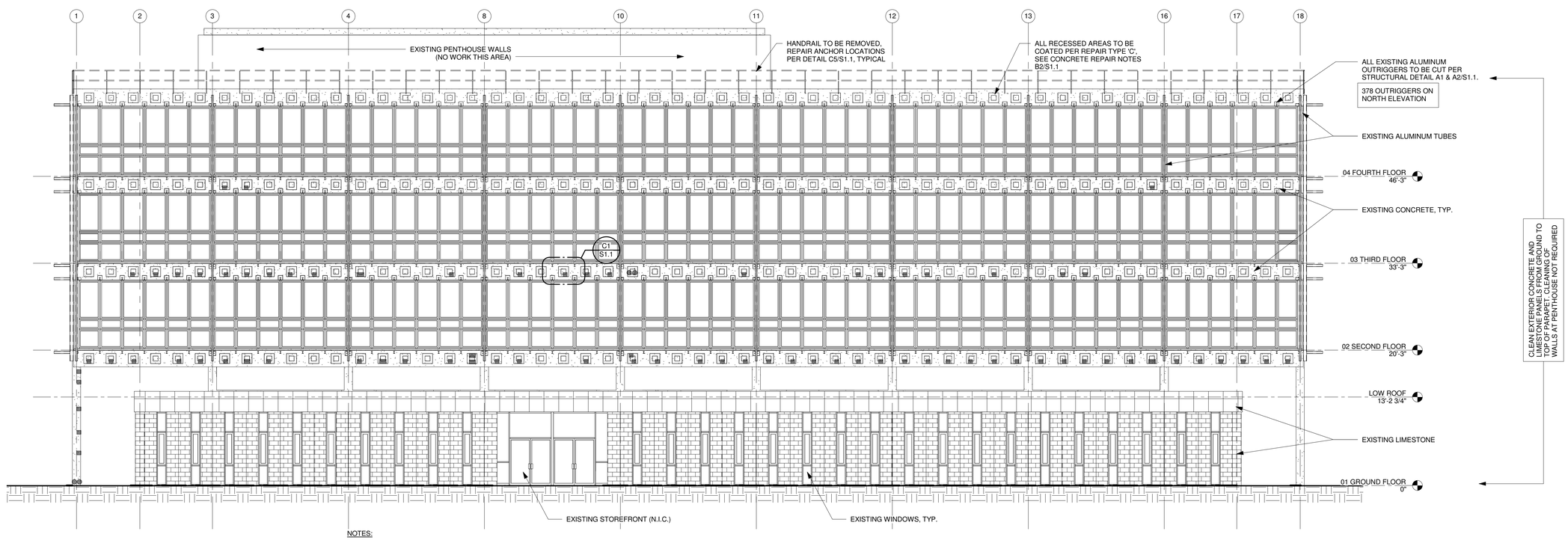
DRAWN: TAW
CHECKED: AY

SHEET TITLE:
ROOF PLAN

SHEET NO:
A1.0




**B1** 1/8" = 1'-0" **ELEVATION - NORTH**




NOTES:

1. REPRESENTS REPAIR TYPE A, SEE CONCRETE REPAIR NOTES B2/S1.1
2. REPRESENTS REPAIR TYPE B, SEE CONCRETE REPAIR NOTES B2/S1.1

**D1** 1/8" = 1'-0" **ELEVATION - NORTH- CONCRETE REHAB**

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PROJECT NO. 12194

DATE: JANUARY 11, 2013

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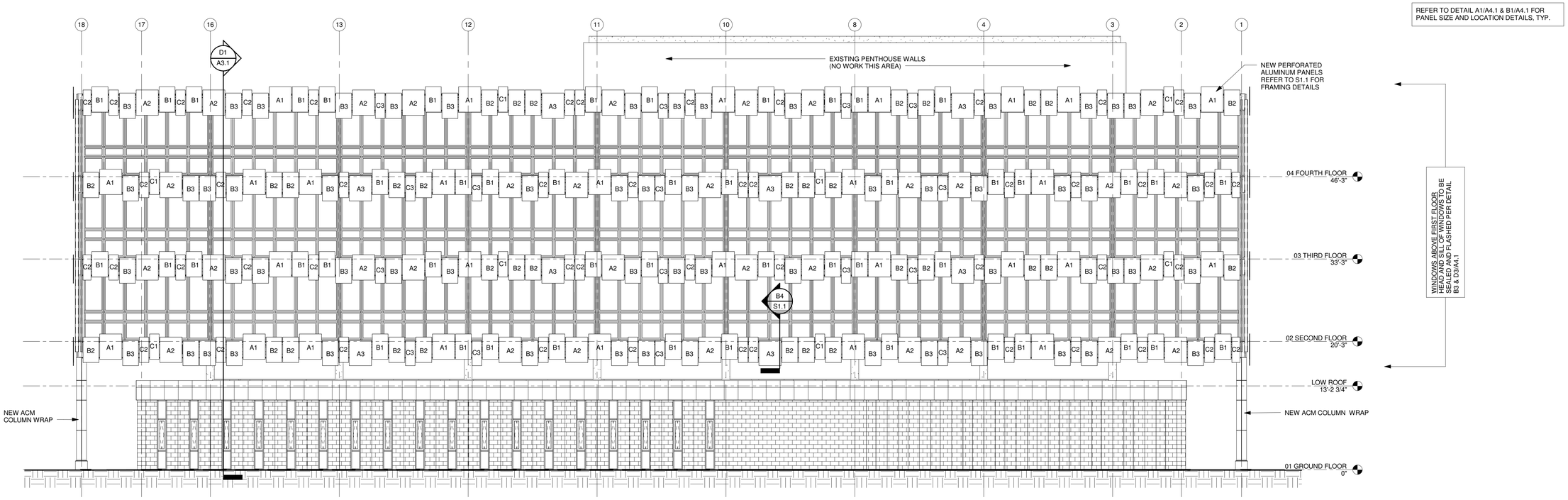
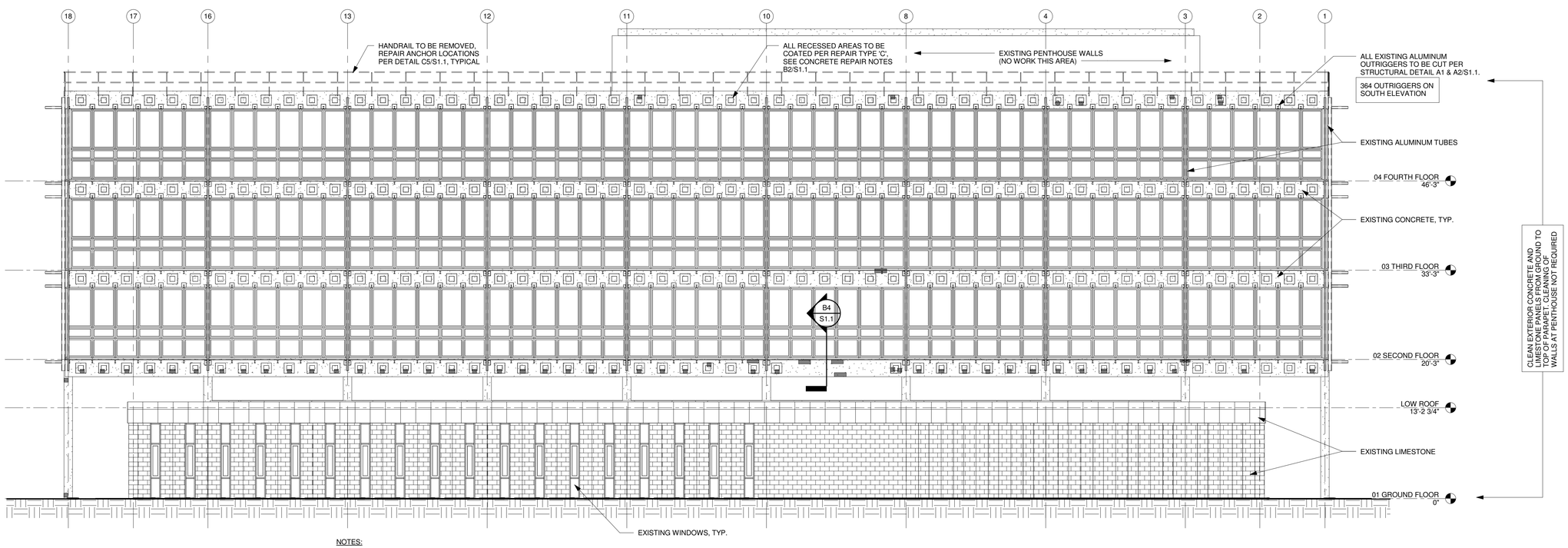
SHEET TITLE: BUILDING ELEVATIONS - NORTH

SHEET NO: A2.1




**B1** 1/8" = 1'-0"

## ELEVATION - SOUTH




NOTES:

1. ● REPRESENTS REPAIR TYPE A, SEE CONCRETE REPAIR NOTES B2/S1.1
2. ■ REPRESENTS REPAIR TYPE B, SEE CONCRETE REPAIR NOTES B2/S1.1

**D1** 1/8" = 1'-0"

## ELEVATION - SOUTH - CONCRETE REHAB

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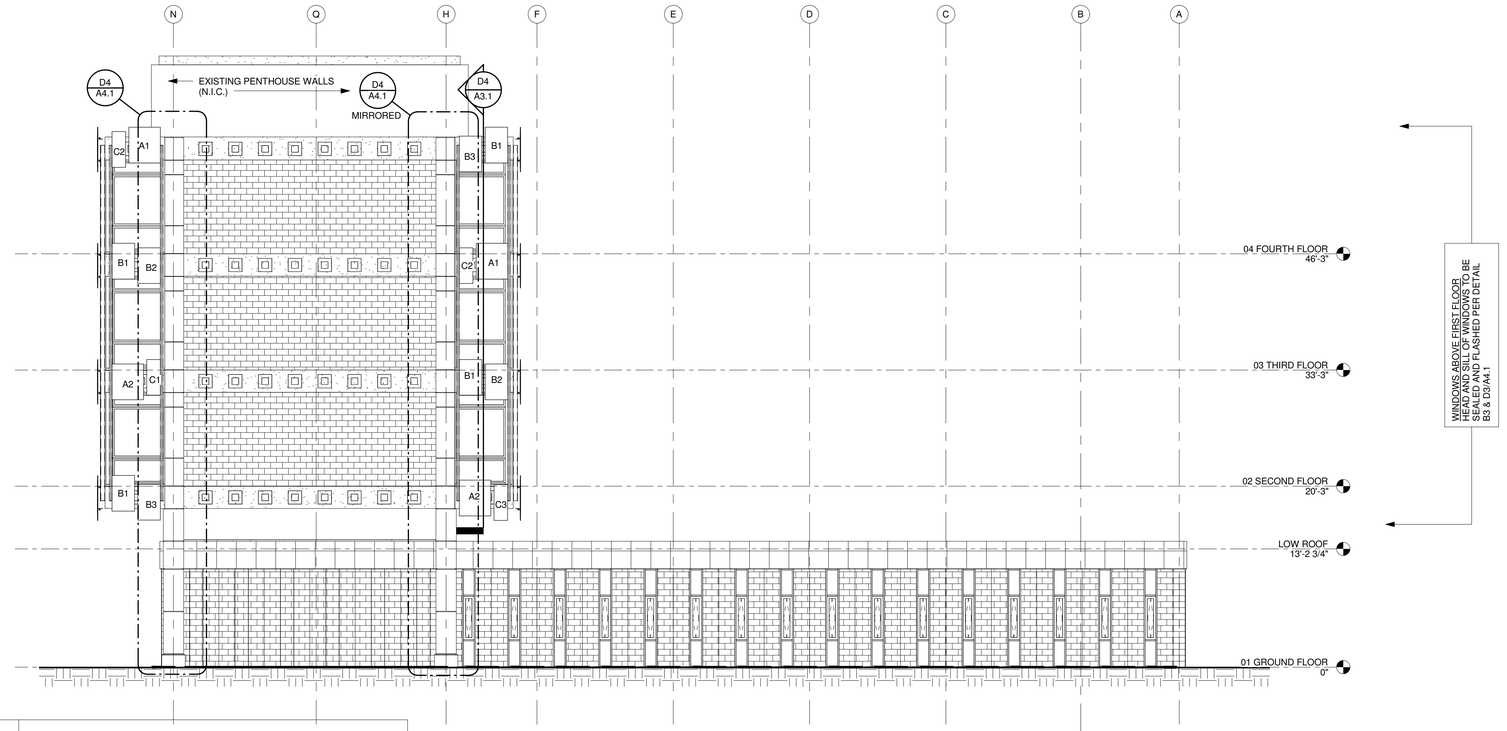
SHEET TITLE: BUILDING ELEVATIONS - SOUTH

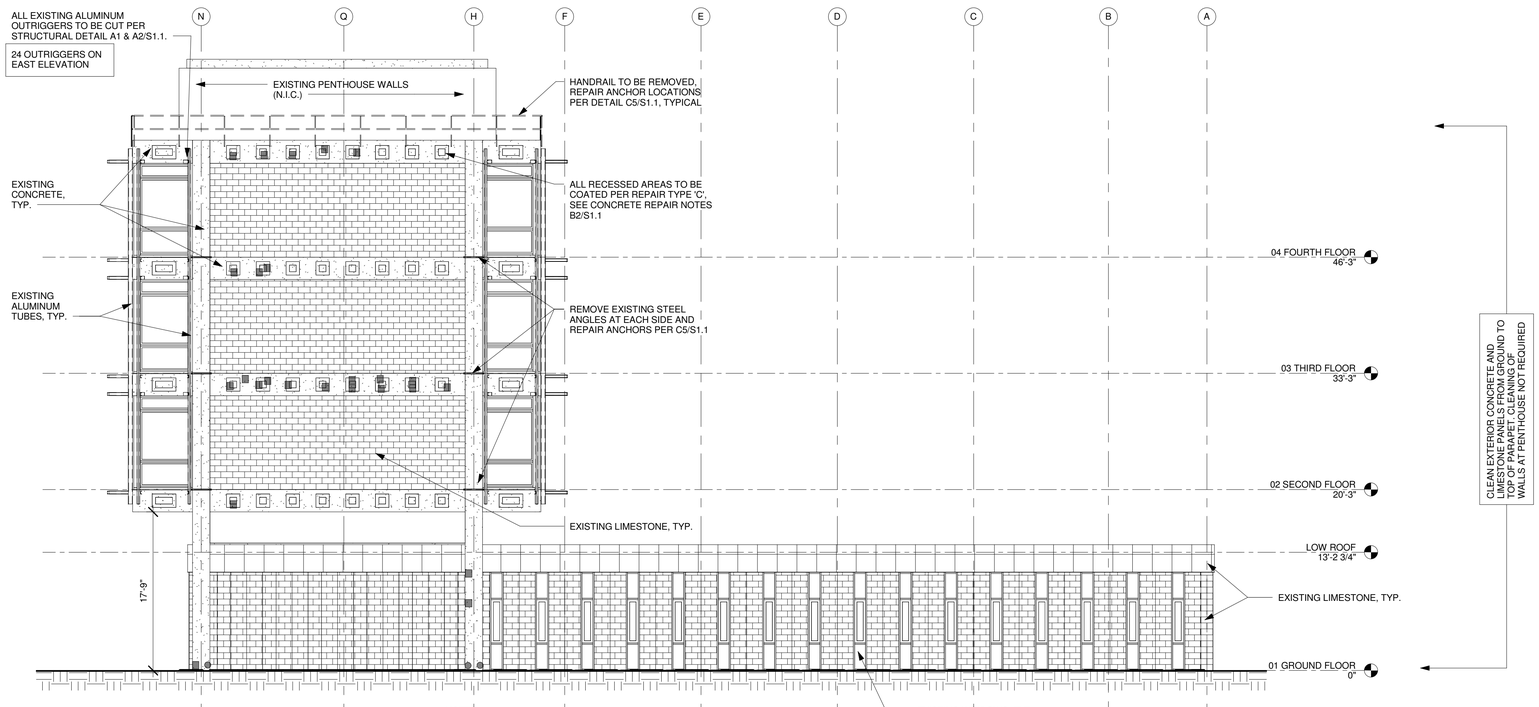
SHEET NO: A2.2

REFER TO DETAIL A1/A4.1 & B1/A4.1 FOR PANEL SIZE AND LOCATION DETAILS, TYP.




## B1 ELEVATION - EAST

1/8" = 1'-0"




NOTES:

1. REPRESENTS REPAIR TYPE A, SEE CONCRETE REPAIR NOTES B2/S1.1
2. REPRESENTS REPAIR TYPE B, SEE CONCRETE REPAIR NOTES B2/S1.1

## D1 ELEVATION - EAST - CONCRETE REHAB

1/8" = 1'-0"

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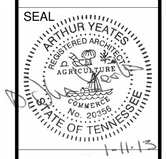


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157 POPLAR AVE MEMPHIS, TENNESSEE 38103

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PROJECT NO. 12194

DATE: JANUARY 11, 2013

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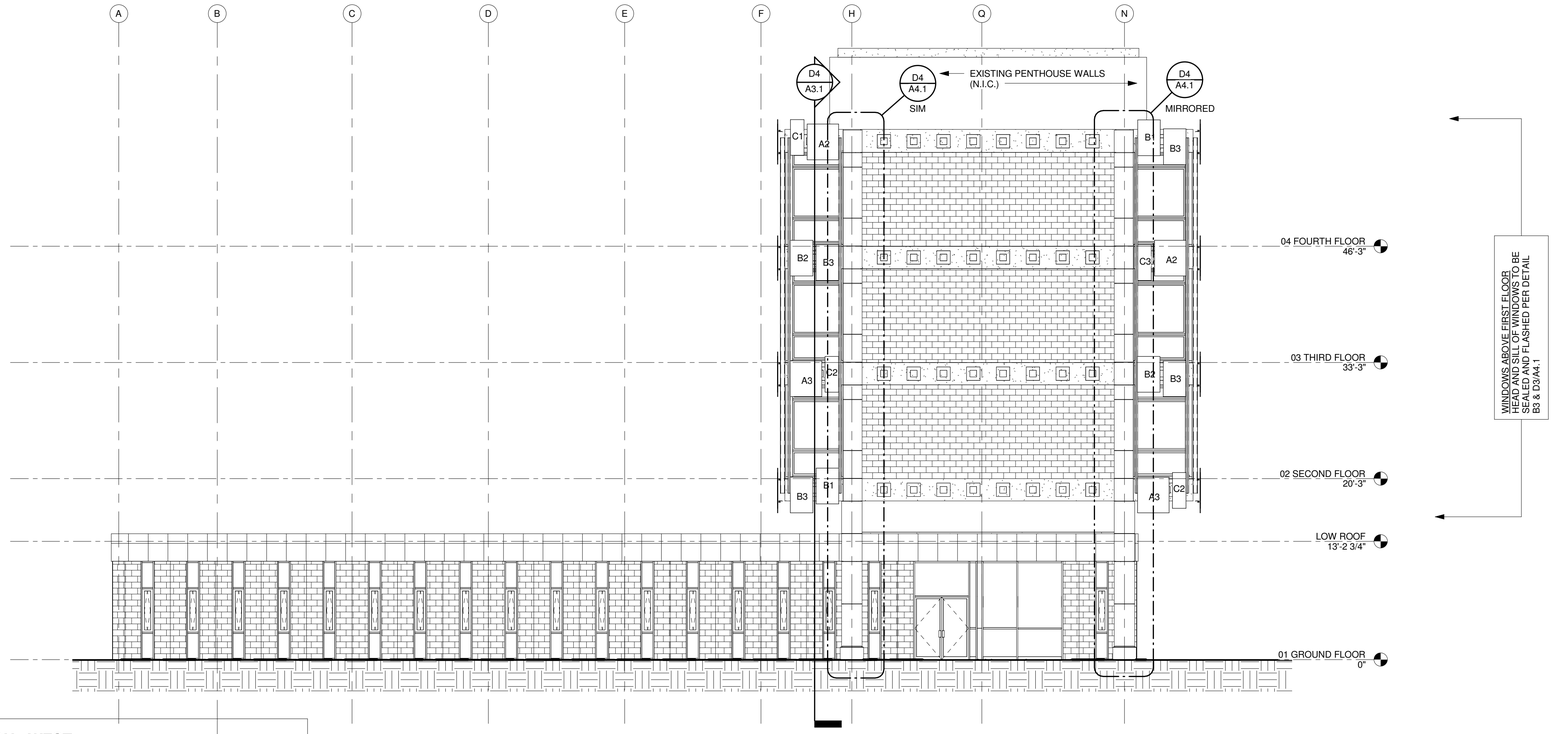
SHEET TITLE: BUILDING ELEVATIONS - EAST

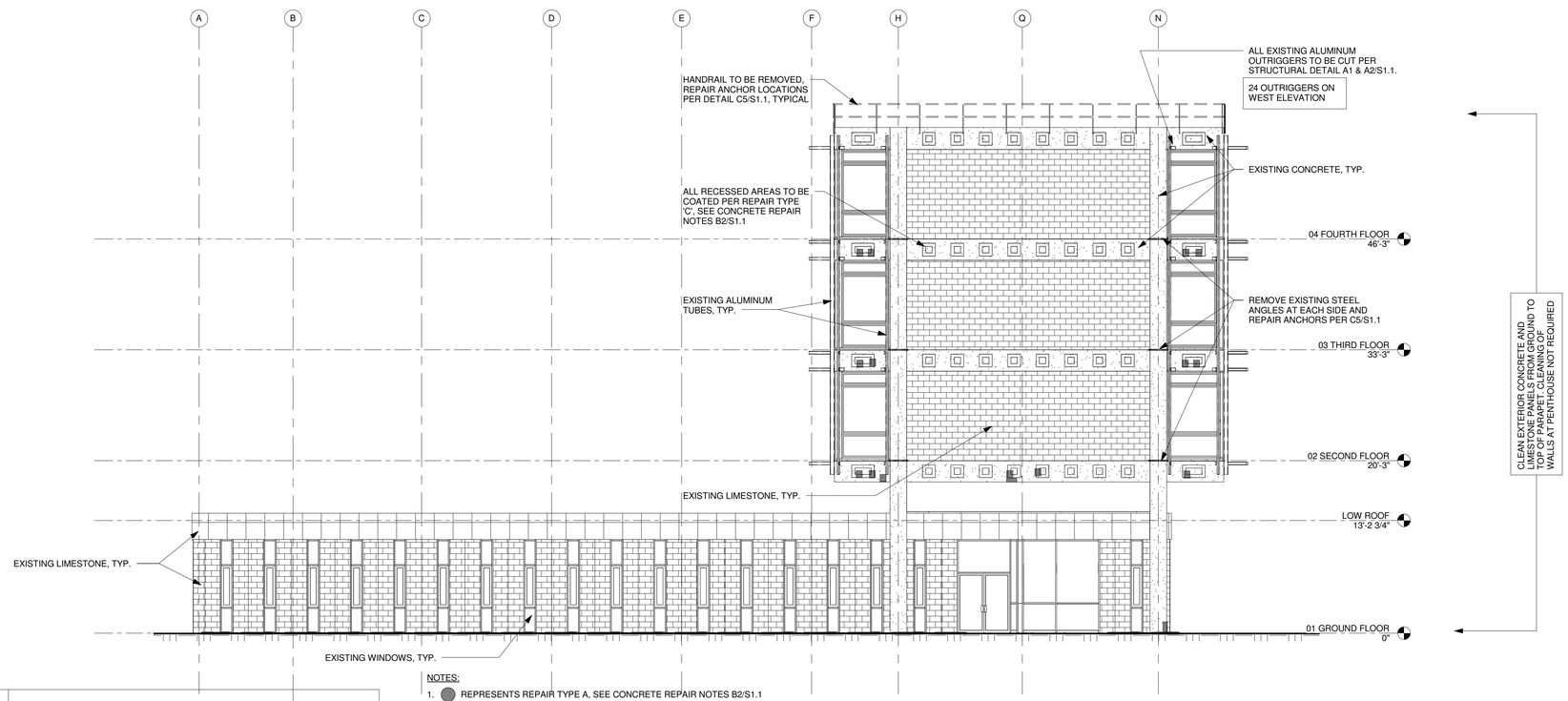
SHEET NO: A2.3

REFER TO DETAIL A1/A4.1 & B1/A4.1 FOR PANEL SIZE AND LOCATION DETAILS, TYP.




**B1** 1/8" = 1'-0"

## ELEVATION - WEST




NOTES:

1. REPRESENTS REPAIR TYPE A, SEE CONCRETE REPAIR NOTES B2/S1.1
2. REPRESENTS REPAIR TYPE B, SEE CONCRETE REPAIR NOTES B2/S1.1

**D1** 1/8" = 1'-0"

## ELEVATION - WEST - CONCRETE REHAB

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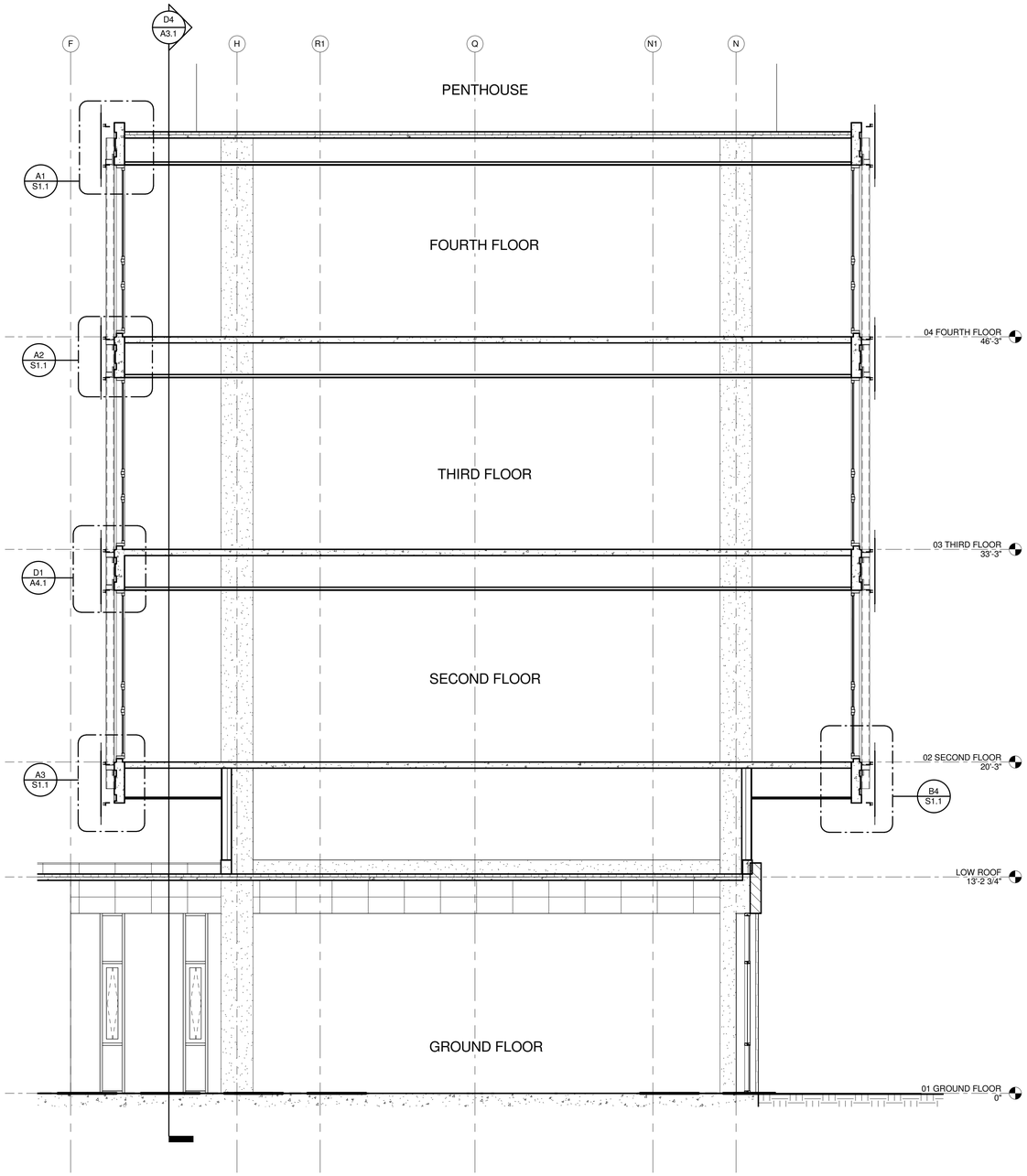
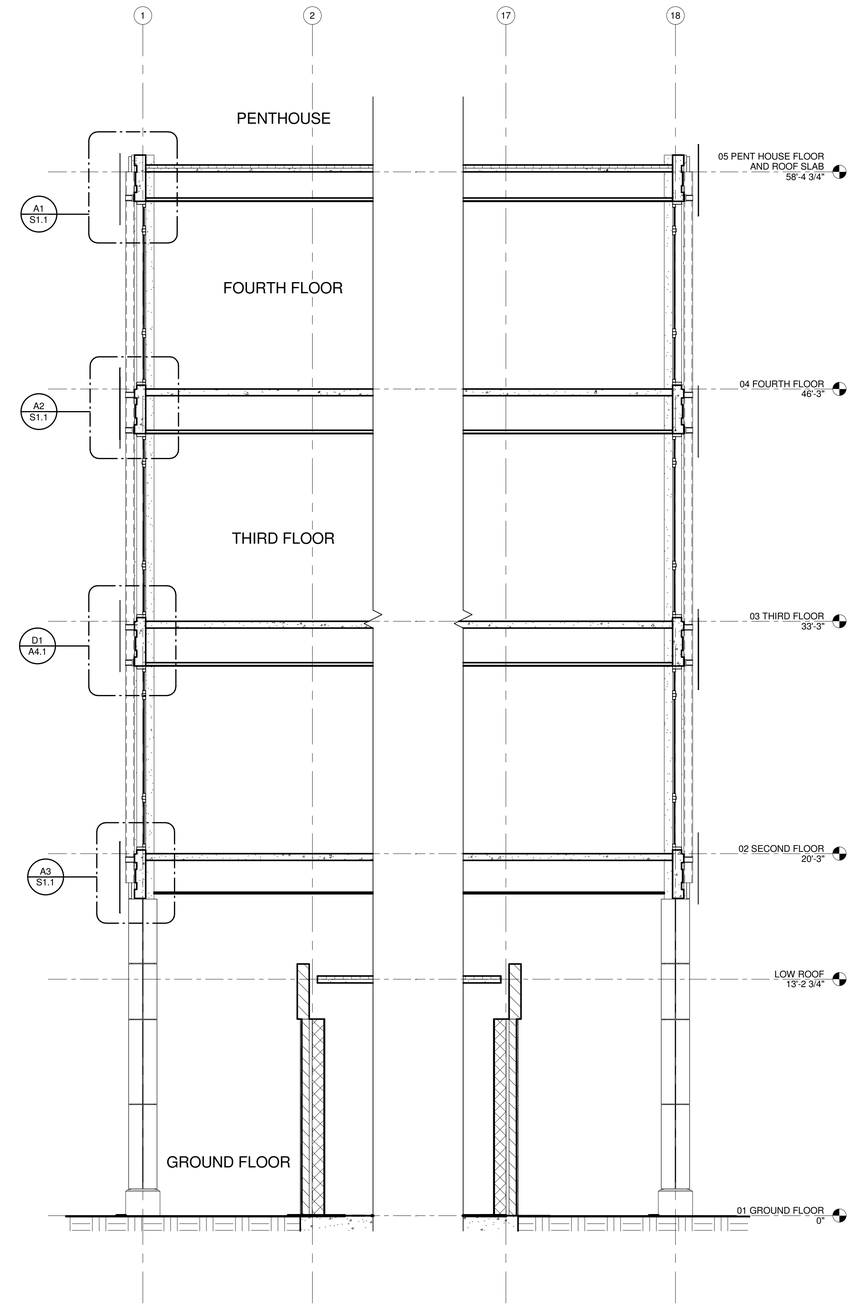
SHEET TITLE: BUILDING ELEVATIONS - WEST

SHEET NO: A2.4




**D1** 1/4" = 1'-0" **BUILDING SECTION - NORTH/SOUTH**




**D4** 1/4" = 1'-0" **BUILDING SECTION - EAST/WEST**

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REVISIONS

PROJECT NO.
12194

DATE:
JANUARY 11, 2013

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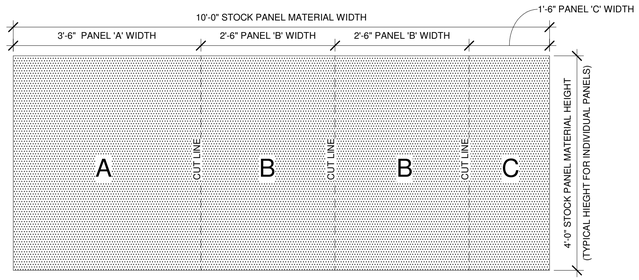
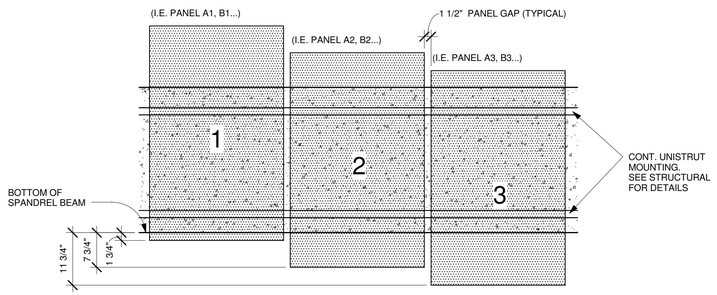
SHEET TITLE:
BUILDING SECTIONS

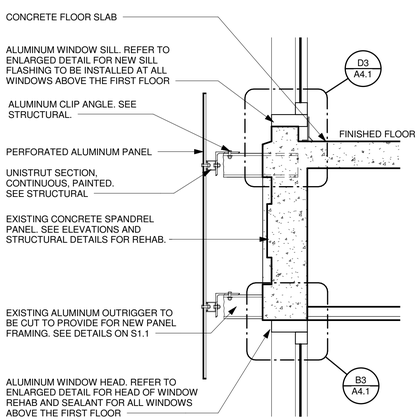
SHEET NO:
A3.1




**A1** 3/4" = 1'-0" **PERFORATED PANEL SIZE / CUTTING DETAIL**

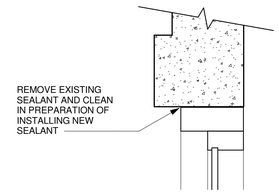



**B1** 3/4" = 1'-0" **PERFORATED PANEL HORIZONTAL LOCATION DETAIL**



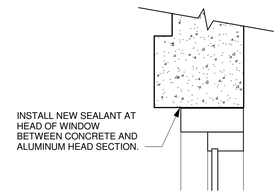

**D1** 1" = 1'-0" **SECTION THRU SPANDREL PANEL**

## PREPARATION




PREPARATION SCOPE OF WORK AT HEAD
REMOVE EXISTING SEALANT BETWEEN ALUMINUM HEAD SECTION AND CONCRETE REMOVE ALL LOOSE MATERIAL AFTER CLEANING.

## CORRECTION

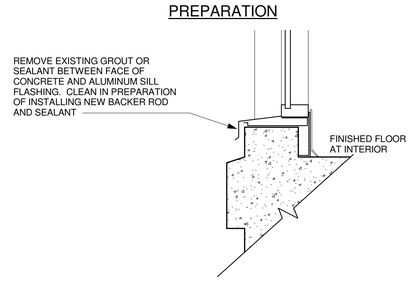



CORRECTION SCOPE OF WORK AT HEAD
INSTALL NEW SEALANT AT HEAD OF WINDOW BETWEEN CONCRETE AND ALUMINUM HEAD SECTION. WHERE ALUMINUM TRIM, ORIGINALLY INSTALLED TO COVER JOINTS IN ADJACENT SECTIONS OF ALUMINUM FRAMING HAS FAILED, PROVIDE ALUMINUM PLATE OVER JOINT. ALUMINUM TRIM TO BE SECURED TO EXISTING ALUMINUM HEAD SECTION WITH DOUBLE SIDED TAPE DESIGNED FOR THIS APPLICATION.

NOTE: CONTRACTOR IN BASE BID TO INCLUDE 25 PIECES OF ALUMINUM TRIM TO BE INSTALLED WHERE ORIGINAL ALUMINUM TRIM HAS FAILED. THESE TRIM ITEMS ARE TO BE INSTALLED TO COVER JOINTS BETWEEN ADJACENT ALUMINUM SECTIONS.

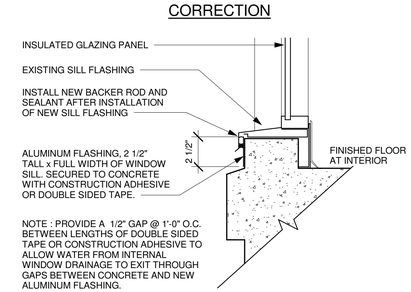
**B3** 1 : 6 **HEAD DETAIL**

## PREPARATION



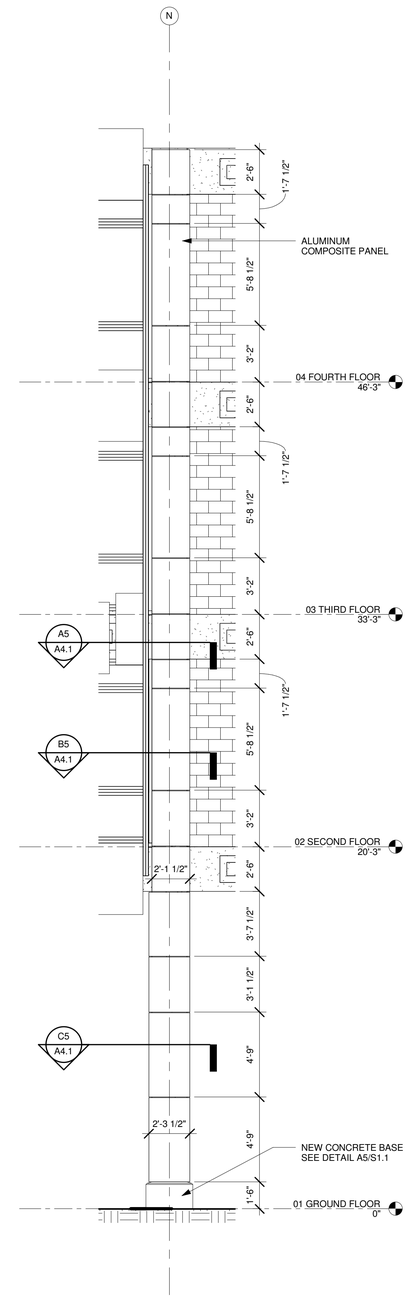

PREPARATION SCOPE OF WORK AT SILL
REMOVE EXISTING GROUT OR SEALANT BETWEEN TOP OF CONCRETE CURB AND EXISTING SILL FLASHING. REMOVE ALL LOOSE MATERIAL AFTER CLEANING.

## CORRECTION

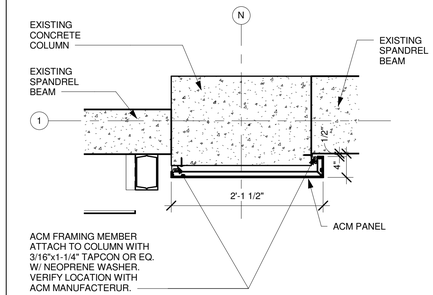



CORRECTION SCOPE OF WORK AT SILL
INSTALL NEW ALUMINUM FLASHING, 2-1/2" TALL BY FULL LENGTH OF WINDOW SILL. ADHERE TO EXISTING CONCRETE SILL. INSTALL BACKER ROD AND SEALANT BETWEEN EXISTING SILL FLASHING AND NEW FLASHING MATERIAL.

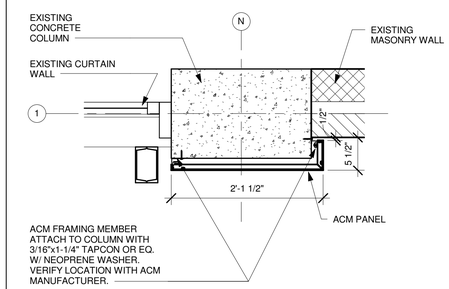
**D3** 1 : 6 **SILL DETAIL**



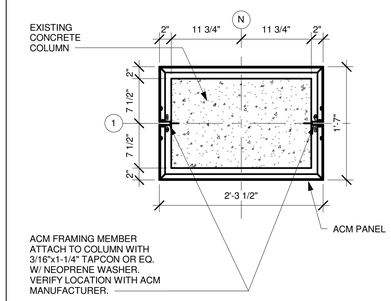

**D4** 1/4" = 1'-0" **ENLARGED ELEVATION - ACM PANELS**




**A5** 1" = 1'-0" **ACM DETAIL AT SPANDREL PANEL**




**B5** 1" = 1'-0" **ACM DETAIL AT MASONRY AND CURTAINWALL**




**C5** 1" = 1'-0" **ACM WRAP DETAIL AT COLUMN**

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DATE: JANUARY 11, 2013

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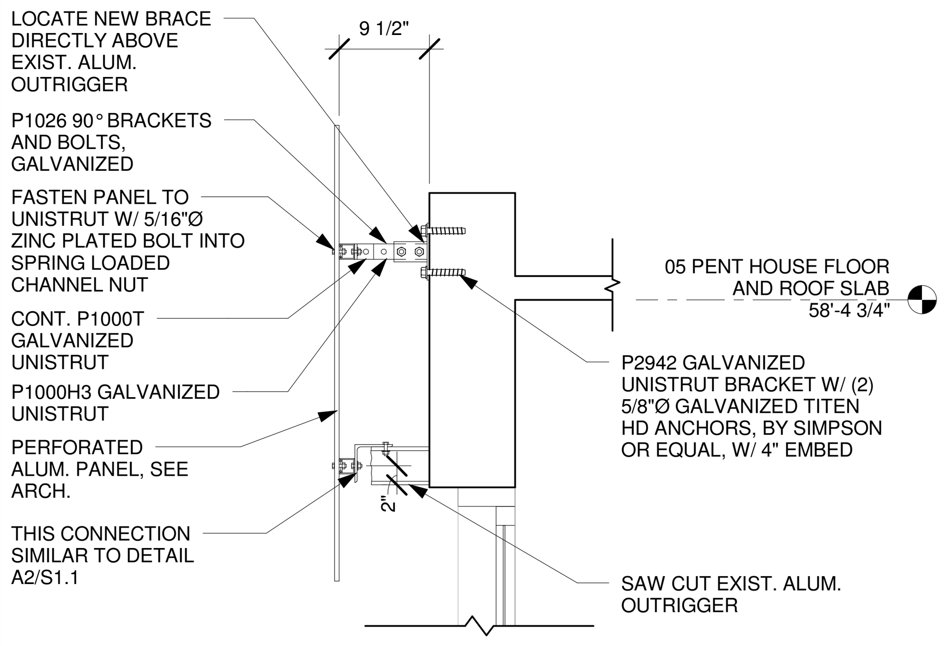
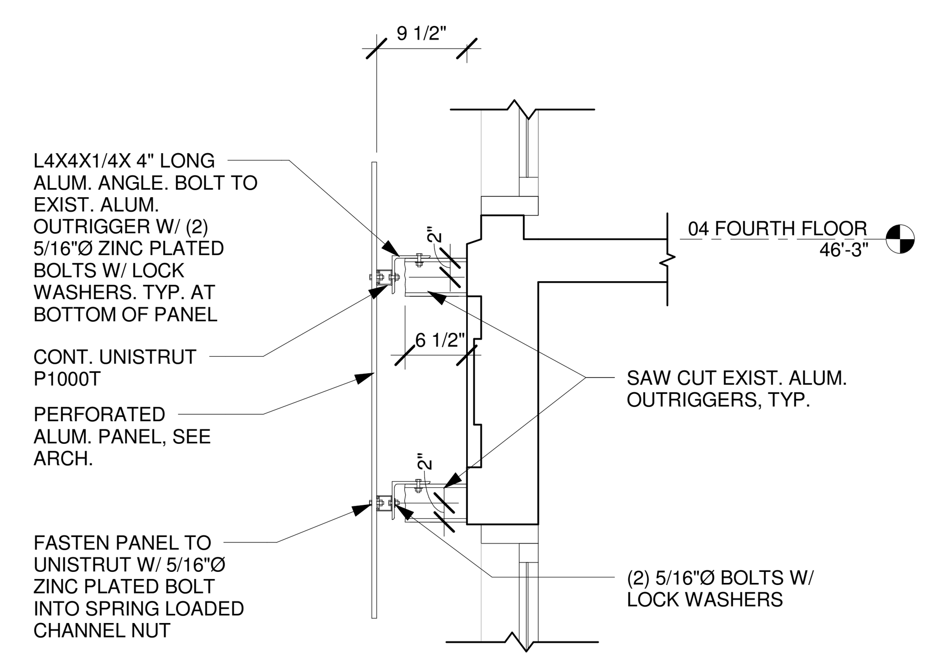
SHEET TITLE: WALL SECTIONS AND DETAILS

SHEET NO: A4.1



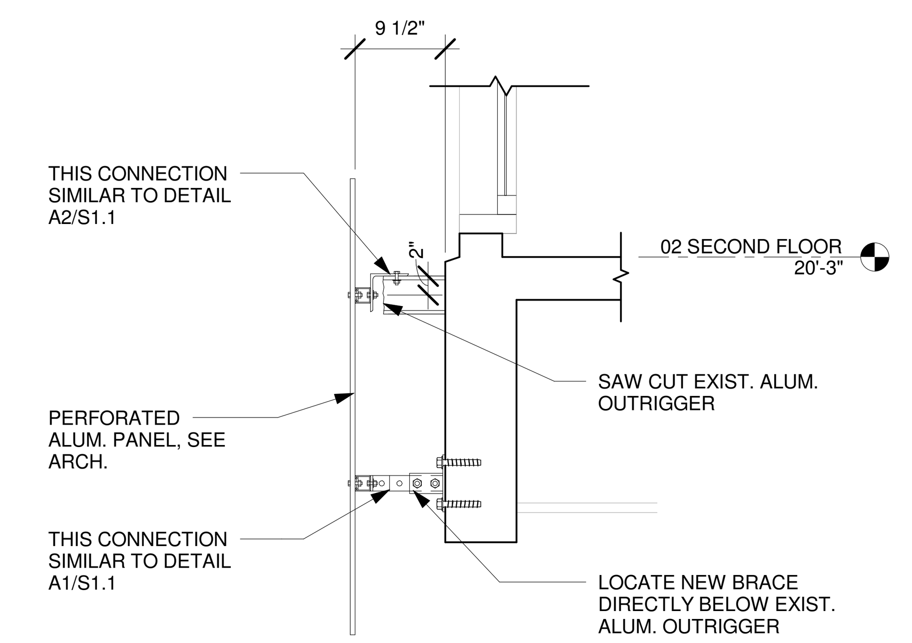

NOTE:
ALL CONNECTIONS TO BE MADE W/ 5/16"Ø MIN. GALVANIZED OR ZINC PLATED BOLTS USING SPRING TYPE ZINC COATED WASHERS.

## A1 UPPER SPANDREL PANEL
3/4" = 1'-0"



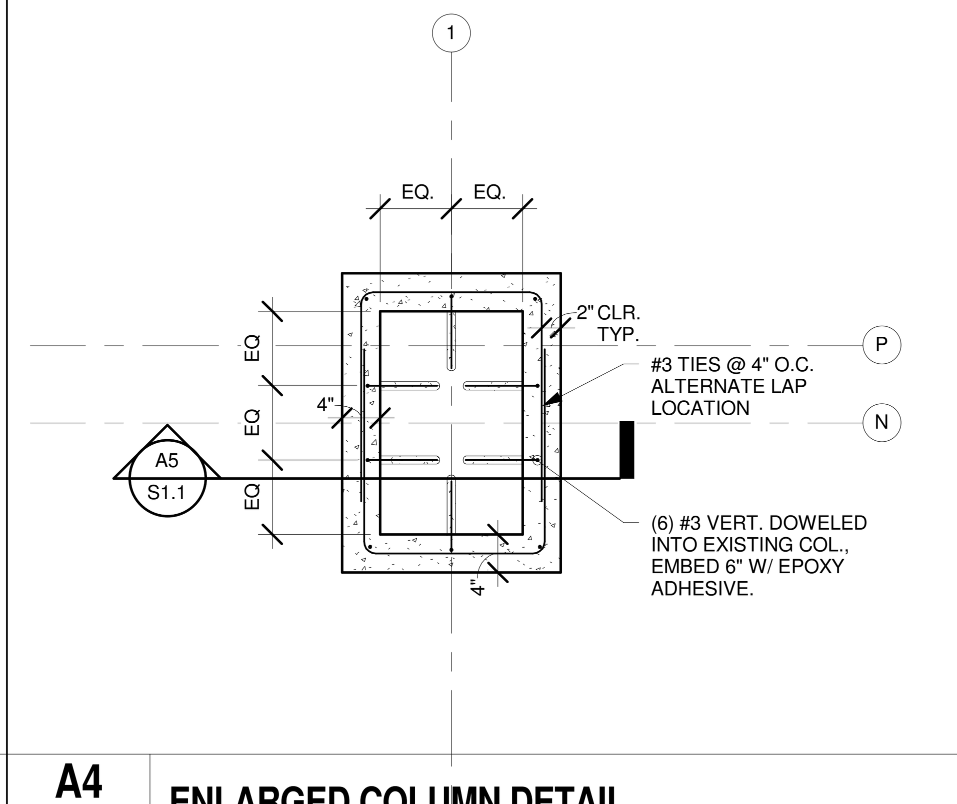

NOTE:
ALL CONNECTIONS TO BE MADE W/ 5/16"Ø MIN. GALVANIZED OR ZINC PLATED BOLTS USING SPRING TYPE ZINC COATED WASHERS.

## A2 TYPICAL SPANDREL PANEL
3/4" = 1'-0"

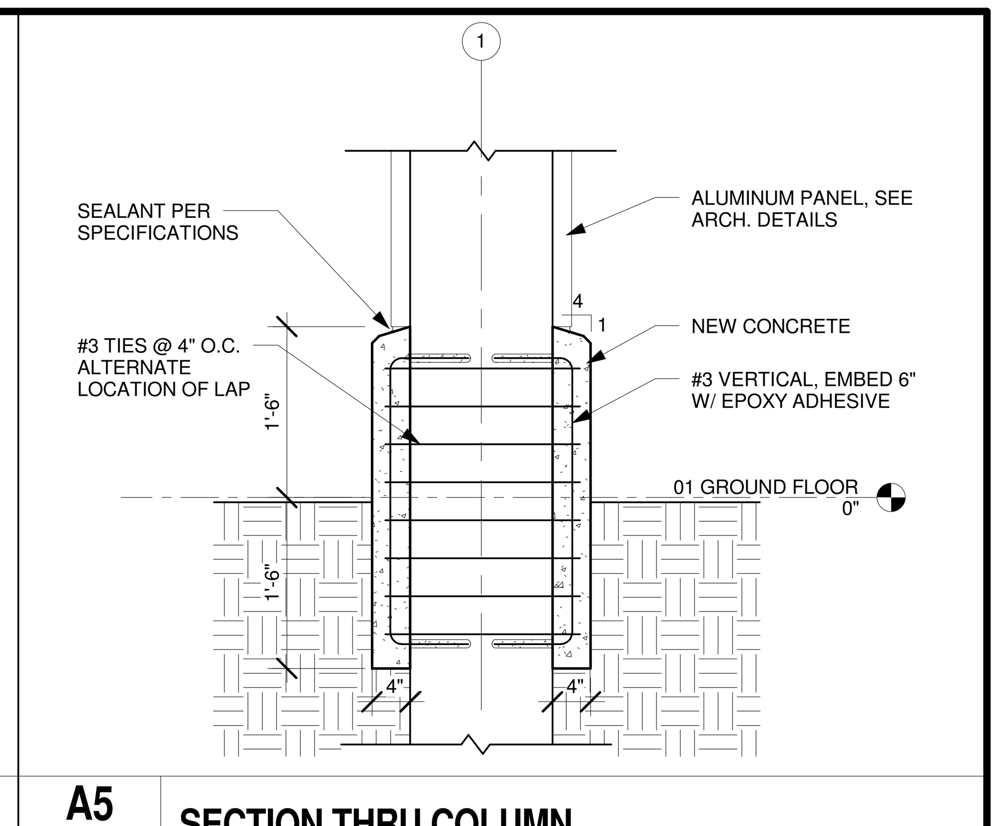



NOTE:
ALL CONNECTIONS TO BE MADE W/ 5/16"Ø MIN. GALVANIZED OR ZINC PLATED BOLTS USING SPRING TYPE ZINC COATED WASHERS.

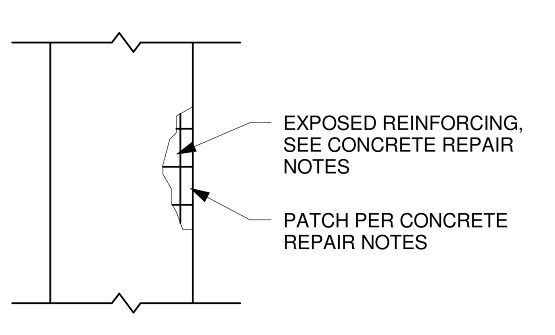
## A3 LOWER SPANDREL PANEL
3/4" = 1'-0"




## A4 ENLARGED COLUMN DETAIL
3/4" = 1'-0"




## A5 SECTION THRU COLUMN
3/4" = 1'-0"




ELEVATION

## B1 CONCRETE COLUMN REPAIR DETAIL
3/4" = 1'-0"

CONCRETE REPAIR NOTES

CR-1. ALL REPAIRS TO RECEIVE BONDING AGENT TO EXISTING SUBSTRATE SUCH AS SIKAARMATEC 110 EPOCEM OR EQUAL. REPAIRS SHALL BE PERFORMED PER MANUFACTURER'S REQUIREMENTS AND RECOMMENDATIONS AS WELL AS THE NOTES AND DETAILS INCLUDED IN THESE DOCUMENTS.
CR-2. CONTRACTOR SHALL ENGAGE REPAIR MATERIAL MANUFACTURER TO HAVE THE MANUFACTURER'S REPRESENTATIVE ON SITE AT BEGINNING OF REPAIR WORK TO ENSURE INSTALLATION PROCEDURES ARE SATISFACTORY.
TYPE A EXPOSED REINFORCING – APPLY SIKAARMATEC 110 EPOCEM BONDING AGENT/REINFORCING PRIMER OR EQUAL AND PATCH WITH SIKATOP 123 PLUS OR EQUAL
TYPE B PATCH REPAIRS - SIKATOP 123 PLUS OR EQUAL.
TYPE C. RECESSED PANELS – IN ADDITION TO CONCRETE REPAIR TYPE A OR B IN A RECESSED AREA, COAT RECESSED AREA WITH SIKAGARD 550W ELASTOCOLOR COATING OR EQUAL WITH (1) COAT. COLOR TO MATCH EXISTING CONCRETE SURFACE. SUBMIT TO ARCHITECT FOR APPROVAL.
CR-3. SURFACE SHALL BE PRESSURE WASHED BEFORE CONCRETE REPAIR IS TO BEGIN. REMOVE LOOSE OR SPALLED CONCRETE. CLEAN ALL REINFORCING WITH A WIRE BRUSH TO REMOVE ALL RUST SCALE.
CR-4. CONTRACTOR SHALL PERFORM ONE OF EACH TYPE OF REPAIR ON THE SECOND FLOOR OF THE NORTH ELEVATION FOR APPROVAL BY THE ARCHITECT / ENGINEER BEFORE CONTINUING WITH REPAIRS. COATING AS TYPE C SHALL BE APPLIED TO (3) PLACES USING (3) COLORS WHICH MOST CLOSELY MATCH THE EXISTING CONCRETE TO HAVE THE ARCHITECT SELECT THE FINAL COLOR.

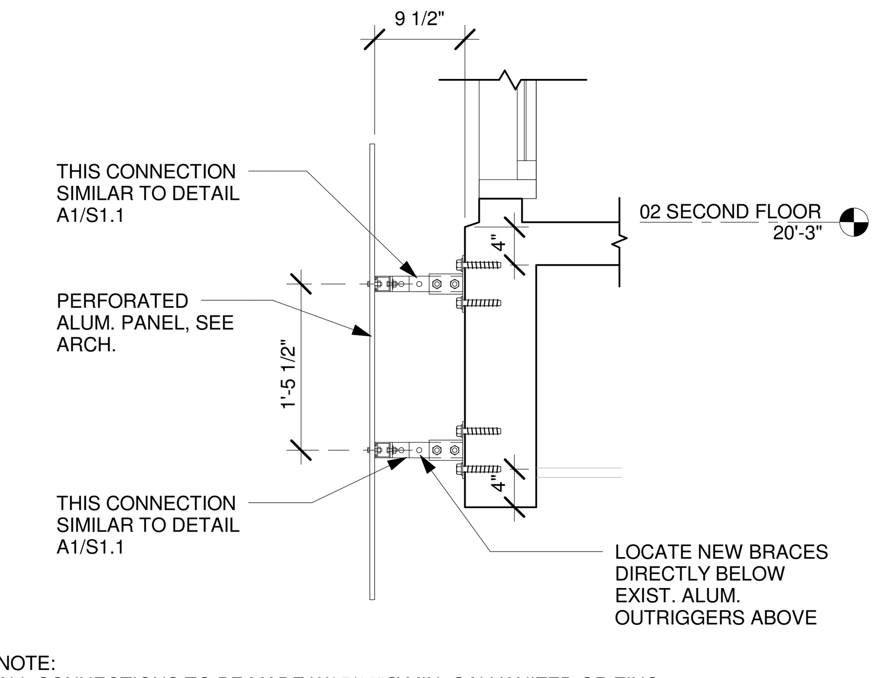
## B2 CONCRETE REPAIR NOTES
N.T.S.

CONCRETE REPAIR QUANTITIES

| TYPE | UNIT | QTY. EA. | NO. | TOTAL QTY. |
|---|---|---|---|---|
| A | SQUARE FT. | 0.5 | 225 | 113 |
| B | SQUARE FT. | 1 | 30 | 30 |
| C | SQUARE FT. | 1.7 | 492 | 837 |
| | | | | |

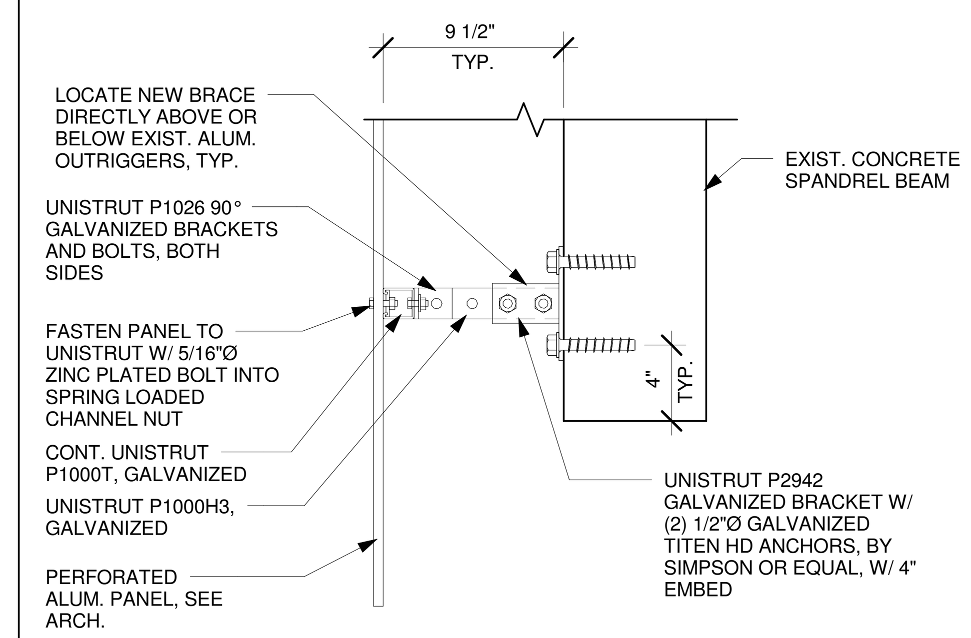
NOTES:
1. SEE CONCRETE REPAIR NOTES FOR REPAIR TYPES, DESCRIPTIONS AND ADDITIONAL INFORMATION.
2. TYPE 'C' QUANTITY IS FOR SQUARE FOOTAGE OF AREAS TO BE COATED ONLY. CONCRETE REPAIRS REQUIRED IN RECESSED AREAS ARE INCLUDED IN QUANTITY FOR TYPE 'A'.
3. PROVIDE A UNIT COST FOR EACH ITEM ABOVE AS REQUIRED IN THE PROJECT MANUAL.
4. QUANTITIES PROVIDED ARE APPROXIMATE AND SHALL BE BID WITH THE CONTINGENCY THAT THEY MAY BE INCREASED, DECREASED, OR ELIMINATED AS DIRECTED BY THE ARCHITECT / ENGINEER.
5. COST OF CLEANING REBAR, CONCRETE REMOVAL, PATCHING MATERIAL, LABOR AND ANY MISC. MATERIALS NECESSARY TO COMPLETE THE REPAIRS AS SHOWN AND DESCRIBED TO BE INCLUDED IN UNIT PRICE FOR EACH REPAIR TYPE.
6. REPAIR TYPE 'C' QUANTITY SHOWN IS ONLY THE QUANTITY FOR COATING. CONCRETE REPAIRS COINCIDENTAL TO RECESSED AREAS ARE QUANTIFIED UNDER REPAIR TYPES 'A' OR 'B'. SEE B2/S1.1 FOR FURTHER DESCRIPTION.

## B3 CONCRETE REPAIR QUANTITIES
N.T.S.

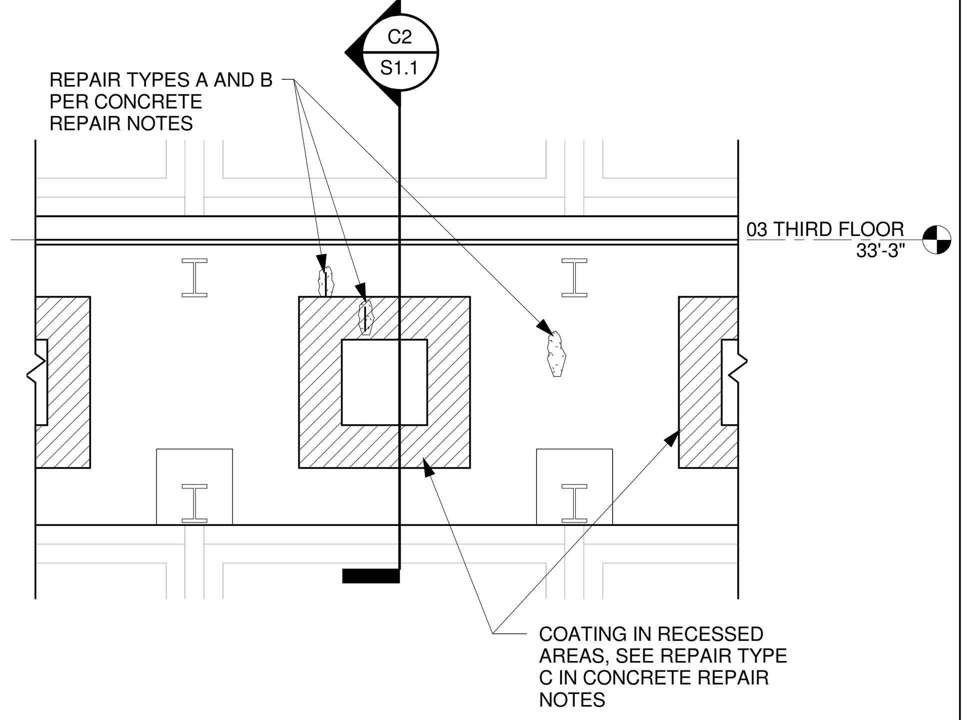



NOTE:
ALL CONNECTIONS TO BE MADE W/ 5/16"Ø MIN. GALVANIZED OR ZINC PLATED BOLTS USING SPRING TYPE ZINC COATED WASHERS.

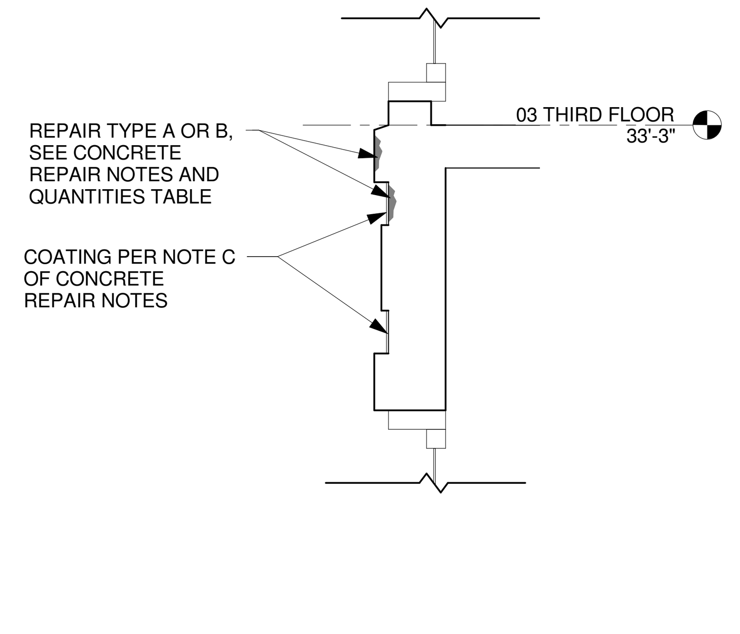
## B4 SECTION AT NEW FRAMING
3/4" = 1'-0"



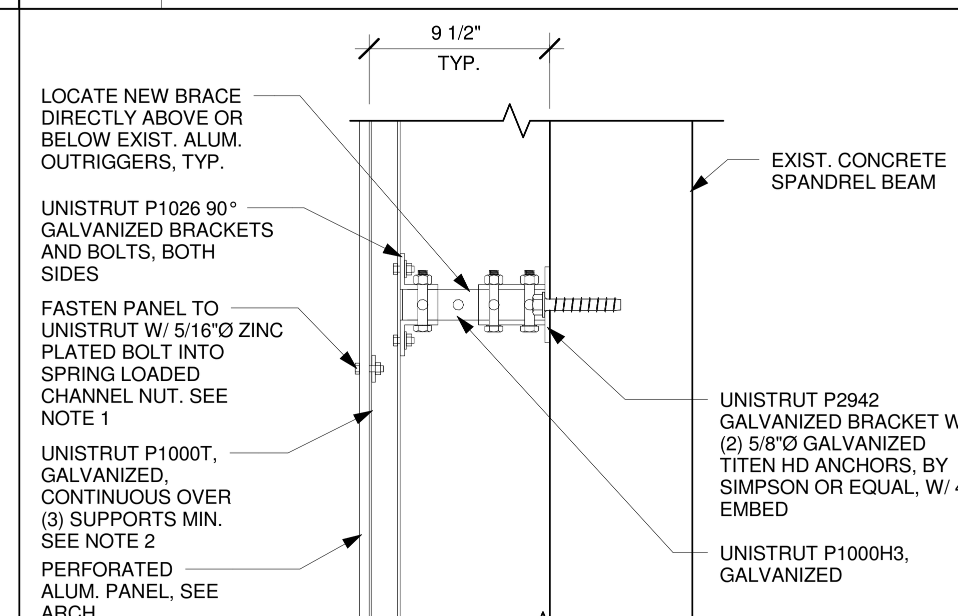

## B5 UNISTRUT CONNECTION DETAIL
1 1/2" = 1'-0"




## C1 CONCRETE REPAIR AT SPANDREL BEAM
3/4" = 1'-0"

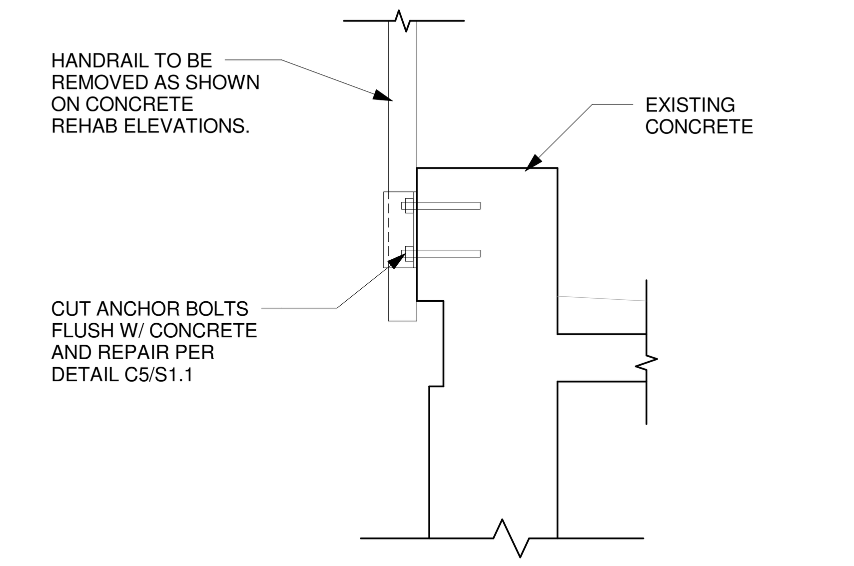



## C2 CONCRETE REPAIR AT SPANDREL BEAM
3/4" = 1'-0"

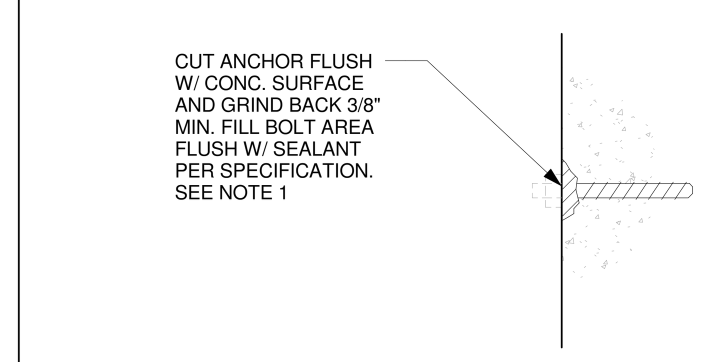



NOTES:
1. SPACING OF BOLTS FOR ATTACHMENT OF ALUMINUM PANELS TO STRUT SHALL BE 1'-6" O.C. MAX WITH A MIN. OF (4) BOLTS PER PANEL (2 TOP AND 2 BOT.)
2. SPLICE UNISTRUT WITH P1067EG PLATES W/ (4) 5/16"Ø MIN. ZINC. PLATED BOLTS, WASHERS AND NUTS.
3. USE SPRING TYPE LOCK WASHER AT NUT AT ALL CONNECTIONS.

## C3 PLAN DETAIL OF UNISTRUT CONNECTION
1 1/2" = 1'-0"




## C4 HANDRAIL REMOVAL DETAIL - ALTERNATE
1 1/2" = 1'-0"




NOTE:
1. COLOR SHALL MATCH AS CLOSELY AS POSSIBLE TO EXISTING CONCRETE SURFACE. SEALANT TO BE SUBMITTED FOR APPROVAL AND INSTALLED AT ONE LOCATION PRIOR TO PROCEEDING WITH REMAINING REPAIRS.

## C5 EXISTING ANCHOR REPAIR DETAII - ALTERNATE
3" = 1'-0"

CD - CONTRACT DOCUMENTS

CD.1 NO PERSON OR ANY REFERENCED STANDARD SPECIFICATION, MANUAL OR CODE (WHETHER OR NOT SPECIFICALLY INCORPORATED BY REFERENCE IN THE CONTRACT DOCUMENTS) SHALL BE EFFECTIVE TO CHANGE THE DUTIES AND RESPONSIBILITIES OF THE OWNER, CONTRACTOR, ARCHITECT, ENGINEER, SUPPLIER, OR ANY OF THE CONSULTANTS, AGENTS, OR EMPLOYEES FROM THOSE SET FORTH IN THE CONTRACT DOCUMENTS. NOR SHALL IT BE EFFECTIVE TO ASSIGN TO THE STRUCTURAL ENGINEER OF RECORD OR ANY OF THE STRUCTURAL ENGINEER OF RECORD'S CONSULTANTS, AGENTS, OR EMPLOYEES ANY DUTY OR AUTHORITY TO SUPERVISE OR DIRECT THE FURNISHING OR PERFORMANCE OF THE WORK OR ANY DUTY OR AUTHORITY TO UNDERTAKE RESPONSIBILITIES CONTRARY TO THE PROVISIONS OF THE CONTRACT DOCUMENTS.
CD.2 CONTRACT DOCUMENTS INCLUDE, BUT ARE NOT LIMITED TO, THE STRUCTURAL DOCUMENTS (DRAWINGS AND SPECIFICATIONS). "DRAWINGS" MEANS THE LATEST STRUCTURAL DESIGN DRAWINGS, U.N.O., "SPECIFICATIONS" MEANS THE LATEST PROJECT SPECIFICATIONS, U.N.O. CONTRACT DOCUMENTS DO NOT INCLUDE SHOP DRAWINGS, VENDOR DRAWINGS, OR MATERIAL PREPARED AND SUBMITTED BY THE CONTRACTOR.
CD.3 THE STRUCTURAL DRAWINGS AND SPECIFICATIONS ARE ONE PART OF THE CONTRACT DOCUMENTS AND SHALL BE USED IN CONJUNCTION WITH THE REMAINING PARTS OF THE CONTRACT DOCUMENTS. SPECIFICATIONS HAVE BEEN ISSUED IN CONJUNCTION WITH THESE DRAWINGS.
CD.4 THE SPECIFICATIONS ARE AN INTEGRAL PART OF THE CONTRACT DOCUMENTS AND SHALL BE USED IN CONJUNCTION WITH THE STRUCTURAL DRAWINGS. IN CASES, IF ANY, WHERE REQUIREMENTS INDICATED ON THE STRUCTURAL DRAWINGS DIFFER FROM THE SPECIFICATIONS, NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER.

CD - CONTRACT DOCUMENTS (CONTINUED)

CD.5 THE GENERAL STRUCTURAL NOTES ARE INTENDED TO SUPPLEMENT THE PROJECT SPECIFICATIONS. NOTES AND SPECIFIC DETAILS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS. CONTACT THE ARCHITECT/ENGINEER FOR A DETERMINATION OF INTENT BEFORE PROCEEDING WITH RELATED WORK IF THERE IS ANY DISCREPANCY OR QUESTION REGARDING WHICH NOTE OR SPECIFICATION TO FOLLOW.
CD.6 ALL DETAILS, SECTIONS, AND NOTES ON THE DRAWINGS ARE INTENDED TO BE TYPICAL WHERE CONDITIONS ARE SIMILAR TO THOSE INDICATED BY DETAIL, DETAIL TITLE OR NOTE.
CD.7 USE ONLY DIMENSIONS INDICATED ON DRAWINGS. DO NOT SCALE DRAWINGS OR USE ANY DIMENSIONS TAKEN FROM ELECTRONIC FILES.
CD.8 REFERENCE TO STANDARD SPECIFICATIONS (CONCERNING STRUCTURAL DESIGN) OF ANY TECHNICAL SOCIETY, ORGANIZATION, OR ASSOCIATION OR TO CODES OF LOCAL OR STATE AUTHORITIES, SHALL MEAN THE LATEST STANDARD CODES, SPECIFICATION OR TENTATIVE SPECIFICATION ADOPTED AT THE DATE OF TAKING BIDS, UNLESS SPECIFICALLY STATED OTHERWISE.
CD.9 IN THE EVENT CONTRACT DOCUMENTS CONFLICT WITH THE CODE OF PRACTICE OR SPECIFICATIONS OF ACI, PCI, AISC, AISI, SJI, OR OTHER STANDARDS, CONTACT STRUCTURAL ENGINEER FOR CLARIFICATION IN THE FORM OF A REQUEST FOR INFORMATION (RFI).

CR - CONTRACTOR RESPONSIBILITIES

CR.1 THE CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIALS FOR SUCCESSFUL COMPLETION OF THIS PROJECT.
CR.2 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF STRUCTURAL WORK WITH THE ARCHITECTURAL DRAWINGS, AS WELL AS ANY OTHER APPLICABLE TRADES. ARCHITECT/STRUCTURAL ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY OR OMISSION DISCOVERED.
1. FOR THE PURPOSE OF BIDDING, IN CASE OF CONFLICT BETWEEN THE STRUCTURAL WORK AND DRAWINGS RELATED TO OTHER TRADES, THE CONTRACTOR SHALL MAKE ALLOWANCES IN HIS BID FOR THE MOST SEVERE REQUIREMENTS. CONFLICTS BETWEEN THE STRUCTURAL WORK AND THE DRAWINGS OF OTHER TRADES SHALL NOT BE REASON FOR ANY EXTRA COST OR DELAY IN THE EXECUTION OF THE WORK.

CR - CONTRACTOR RESPONSIBILITIES (CONTINUED)

2. FOR THE PURPOSE OF CONSTRUCTION, IN THE CASE OF A CONFLICT, FOLLOW THE MOST STRINGENT REQUIREMENT AS DIRECTED BY THE STRUCTURAL ENGINEER WITHOUT ADDITIONAL COST TO THE OWNER. ANY WORK PERFORMED BY THE CONTRACTOR, WITHOUT A DETERMINATION FROM THE STRUCTURAL ENGINEER AFTER SUCH A DISCOVERY SHALL BE AT THE CONTRACTOR'S RISK.
CR.3 THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS, NEW AND EXISTING, BY MEASUREMENTS AND SURVEYS AT THE JOB SITE, PRIOR TO SUBMITTAL OF SHOP DRAWINGS. THE CONTRACTOR SHALL TAKE ANY AND ALL OTHER MEASUREMENTS NECESSARY TO VERIFY CONFORMANCE WITH THE DRAWINGS AND TO PERFORM THE WORK PROPERLY. AN ALLOWANCE FOR THE COST OF EXPOSING EXISTING STRUCTURAL MEMBERS TO VERIFY AND MEASURE THE EXISTING CONDITIONS SHALL BE INCLUDED IN THE CONTRACTOR'S BID IF NECESSARY.
CR.4 THE CONTRACTOR SHALL MAKE NO DEVIATION FROM THE DESIGN DRAWINGS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT AND STRUCTURAL ENGINEER.
CR.5 THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/STRUCTURAL ENGINEER OF ANY DISCREPANCIES BETWEEN THE STRUCTURAL DOCUMENTS AND ANY OTHER DOCUMENTS OR EXISTING CONDITIONS FOR RESOLUTION PRIOR TO PROCEEDING WITH THE WORK.
CR.6 ALL FIELDWORK SHALL BE COORDINATED AND CONTINUOUSLY SUPERVISED BY THE CONTRACTOR.
CR.7 THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN, INSTALLATION, AND REMOVAL OF ALL TEMPORARY BRACING AND CONSTRUCTION SUPPORTS, FOR NEW AND EXISTING STRUCTURES, AS NECESSARY TO COMPLETE THE PROJECT. NO PORTION OF THE PROJECT, WHILE UNDER CONSTRUCTION, IS INTENDED TO BE STABLE IN THE ABSENCE OF THE CONTRACTOR'S TEMPORARY BRACES AND SUPPORTS. CONTRACTOR SHALL RETAIN A STRUCTURAL ENGINEER LICENSED IN THE STATE OF TENNESSEE TO DESIGN ALL TEMPORARY BRACING AND CONSTRUCTION SUPPORTS.
CR.8 CONTRACTOR HAS SOLE RESPONSIBILITY TO COMPLY WITH ALL OSHA SAFETY REGULATIONS.
CR.9 MATERIALS AND EQUIPMENT SHALL BE STORED AND TRANSPORTED IN A MANNER SO AS NOT TO EXCEED THE ALLOWABLE FLOOR LOADINGS INDICATED IN THE DRAWINGS.

DC - DESIGN CRITERIA

DC.1 ALL CONSTRUCTION SHALL BE PERFORMED IN CONFORMANCE WITH THE BUILDING AND DESIGN CODES REFERENCED WITHIN THESE DOCUMENTS. THE PROJECT DOCUMENTS REFER TO THE FOLLOWING CODES AND REFERENCED STANDARDS, U.N.O.
BUILDING CODE:
INTERNATIONAL BUILDING CODE (IBC 2009)
REFERENCING
MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, (ASCE7-05)
STRUCTURAL CONCRETE:
"BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"
THE AMERICAN CONCRETE INSTITUTE (ACI 318-2005)
DC.2 GRAVITY LOADS
1. UNIFORM DEAD LOADS
A. PERFORATED PANELS: 0.6 PSF
B. UNISTRUT: 2 PLF
DC.3 WIND DESIGN DATA ASCE 7-05
1. BASIC WIND SPEED: 90 MPH (3 SECOND GUST)
2. IMPORTANCE FACTOR: 1.15
3. OCCUPANCY CATEGORY III
4. EXPOSURE CATEGORY: B
5. INTERNAL PRESSURE COEFF.: +/- 0.18
6. COMPONENT/CLADDING PRESSURE:
ROOF:
INTERIOR ZONE: +10 PSF, -15 PSF
END ZONE: +10 PSF, -25 PSF
CORNER ZONE: +10 PSF, -35 PSF
OVERHANGS: NONE
WALLS:
INTERIOR ZONE: +15 PSF, -16 PSF
END ZONE: +15 PSF, -20 PSF
END ZONE EQUALS 7 FEET FROM WALL END OR EDGE OF ROOF.

CO - CONCRETE

CO.1 ALL CONCRETE WORKMANSHIP AND MATERIALS SHALL CONFORM TO ACI 318 AND ALL LOCAL LAWS AND ORDINANCES.
CO.2 CONCRETE COMPRESSIVE STRENGTH IN 28 DAYS:
EXTERIOR CONCRETE 4000 PSI (5% AIR-ENTRAINED) 0.45 MAX WATER-CEMENT RATIO
CO.3 CONCRETE SHALL BE NORMAL WEIGHT (145 PCF) UNLESS NOTED OTHERWISE.
CO.4 ALL CONCRETE SHALL BE VIBRATED.
CO.5 NO REPAIR OR RUBBING OF CONCRETE SURFACES SHALL BE MADE PRIOR TO INSPECTION BY AND WITH APPROVAL OF THE ARCHITECT, OWNER, OR THEIR AUTHORIZED REPRESENTATIVES.

RS - REINFORCING STEEL

RS.1 DETAILING OF CONCRETE REINFORCEMENT AND ACCESSORIES SHALL BE IN ACCORDANCE WITH ACI DETAILING MANUAL, SP-66, THE CRSI MANUAL OF STANDARD PRACTICE AND ACI 318.
RS.2 REINFORCING BAR STEEL SHALL CONFORM TO THE FOLLOWING STANDARDS: ASTM A615, GRADE 60
RS.3 REINFORCEMENT SHALL HAVE THE FOLLOWING CONCRETE PROTECTION (CLEAR COVER). U.N.O.:
FORMED SURFACES IN CONTACT WITH SOIL OR WATER, OR EXPOSED TO WEATHER: 2"
RS.4 REINFORCING SHALL NOT BE HEATED OR WELDED.
RS.5 REINFORCING PLACEMENT SHALL BE APPROVED BY THE ARCHITECT OR THEIR AUTHORIZED REPRESENTATIVE BEFORE CONCRETE IS PLACED.

## D1 GENERAL NOTES
N.T.S.

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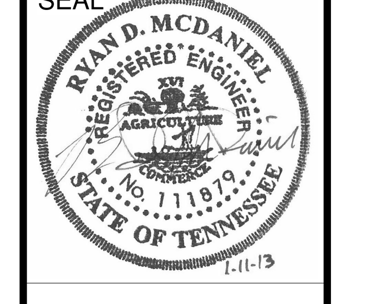


# 157 POPLAR AVENUE BUILDING EXTERIOR RESURFACING
# SHELBY COUNTY GOVERNMENT
157 POPLAR AVE MEMPHIS, TENNESSEE 38103

REVISIONS

PROJECT NO.: 12194
DATE: JANUARY 11, 2013
DRAWN: SDC
CHECKED: RDM
SHEET TITLE: DETAILS
SHEET NO: S1.1