

CLARK STATE COLLEGE RHODES HALL RENOVATIONS PHASE 4

570 LEFFEL LANE
 SPRINGFIELD, OH 45505

03/13/2023

ISSUED FOR PERMIT/BID - MARCH 13, 2023

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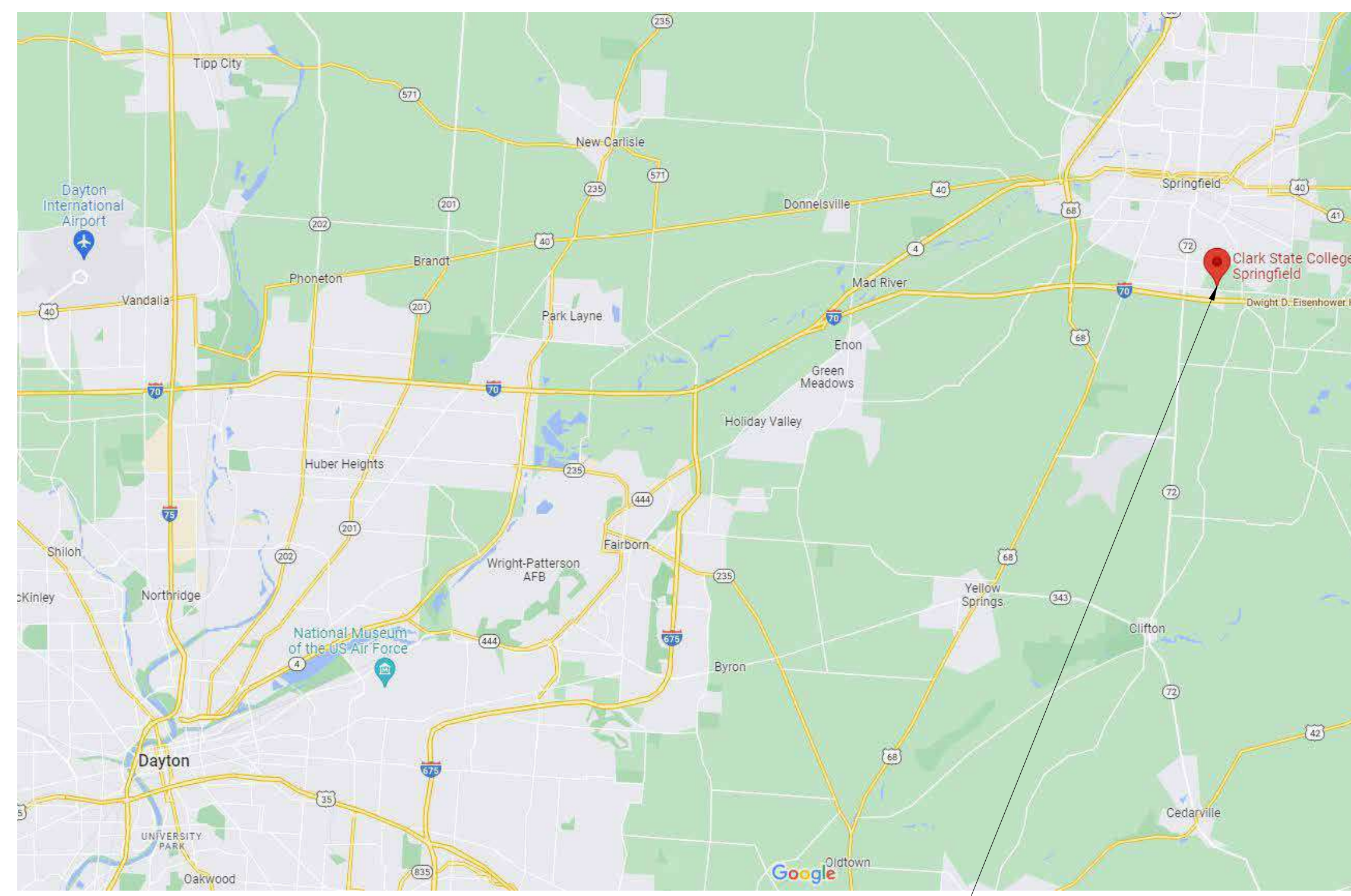
BID ALTERNATES:

- ALTERNATE = RAINSCREEN CLADDING AT NORTH FACADE
 BASE BID = NO RAINSCREEN AT NORTH FACADE, CLEAN & PAINT EXISTING BRICK

PROJECT DESCRIPTION

THE SCOPE OF THIS PROJECT INVOLVES THE DESIGN OF IMPROVEMENTS AND RENOVATIONS TO THE RHODES HALL BUILDING COMPLEX AT CLARK STATE COLLEGE IN SPRINGFIELD, OHIO. RENOVATIONS INCLUDE BUT ARE NOT LIMITED TO INTERIOR LABORATORY RENOVATIONS, CURTAIN WALL REPLACEMENT ON THE SECOND AND THIRD FLOORS, ADDITION OF EXTERIOR RAIN SCREEN, IMPROVEMENTS AND UPDATES FOR MECHANICAL AND ELECTRICAL SYSTEMS AND EXTERIOR PLAZA RENOVATIONS.

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 CINCINNATI, OHIO 45202
 513 841 9100
 emersiondesign.com



AREA MAP



VICINITY MAP

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CMTA

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 1100 SYCAMORE STREET, SUITE 400
 CINCINNATI, OH 45020
 cmta.com

schaefer

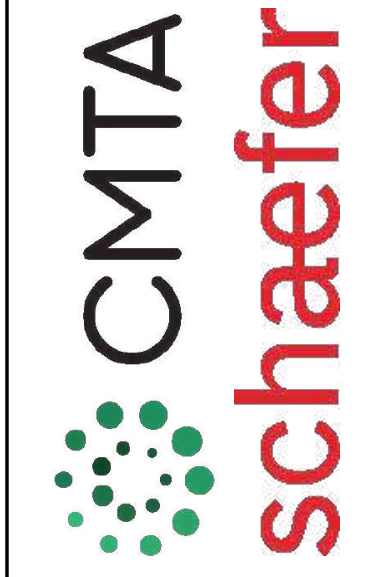
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 WEST CHESTER, OH 45069
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Infrastructure & Development Engineering, Inc.
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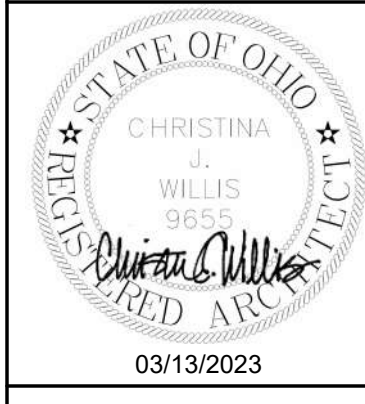


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 ARCHITECTURE
 INTERIORS
 SUSTAINABILITY
 PLANNING
 ENGINEERING

MARK	DESCRIPTION	DATE

DESIGNED BY: J. CRENS	CHECKED BY: J. SWENEY	DATE: 03/13/2023	PROJECT NO.:
DRAWN BY: S. SHIBALL	MANAGER:		ISSUED:
SHEET SIZE: 30x42	PLAT SCALE:		
FILE NAME:			

CLARK STATE COLLEGE RHODES HALL RENOVATIONS
 PHASE 4
 570 LEFFEL LANE
 SPRINGFIELD, OH 45505
 COVER SHEET



SHEET IDENTIFICATION

G-001

Project Location:
Rhodes Hall Renovations – Phase 4
Clark State University
570 E Leffel Ln
Springfield, OH 45505

Project Description / Scope:
• The existing building is a 3-story building that houses mostly classrooms and offices. The project consists of renovating the existing exterior plaza leading out to TLC, addition of a rainscreen to the north, south, and west facades, curtainwall replacement at the second and third floors for the north, south, and east facades; painting and repairing existing masonry and concrete to remain at the exterior, renovating one classroom on the second floor, and renovating three classrooms and their associated preparation/storage rooms on the third floor.
• The project is designed to support 1,441 occupants.
• **There will be no change in building use, occupancy, or occupant load due to the understanding that the building was previously classified and calculated under a business use group. Since programmatically nothing has changed, the calculation for the floor does not change from what is existing and, therefore, there will be no change in gross.**

Applicable Codes:

• Building Code:	2017 OBC
• Plumbing Code:	2017 OBC
• Mechanical Code:	2017 OMC
• Electrical Code:	2017 NEC, NFPA 70-2017
• Fire Code:	2017 OFC
• Fuel Gas Code:	2015 IFGC
• Accessibility Standards:	2017 ANSI A117.1; 2017 OBC, Chapter 11
• Energy Code:	ASHRAE 90.1-2010; IECC 2012 January 1, 2017

Jurisdictional Building Department:
Name: State of Ohio, Department of Commerce
Bureau of Building Code Compliance
Address: 77 South High Street
23rd Floor
Columbus, Ohio 43215

Construction Type Evaluation: (OBC 504 & 506)

Building Height Evaluation: (OBC 504)

Tables 504.3, 504.4 & 506.2
Use Group: B – Business
Construction Type: Type IIB
Table 504.3 Maximum Allowable Height in Feet: 75 Feet Suppressed Actual: 40 Feet Suppressed
Table 504.4 Maximum Allowable Height in Stories: 4 Stories Suppressed Actual: 3 Stories Suppressed

Building Floor Area Evaluation: (OBC 506)

NOTE: NO MODIFICATIONS ARE BEING MADE TO THE EXISTING BUILDING FOOTPRINT OR HEIGHT.

506 ALLOWABLE MODIFICATIONS TO THE PER FLOOR AREA:
Table 506.2 Allowable Tabular Area: $A_a = 69,000 \text{ SF (B, SM, IIB)}$
506.2.3 Total Allowable Area, per floor:
 $A_a = [A_s + (NS \times U)] \times S_u$
 $A_a = [69,000 + (23,000 \times 0.40)]$
 $A_a = 78,200 \text{ SF}$
Total Allowable Floor Area, per floor: 78,200 SF
Actual Floor Area of Largest Floor: 22,378 SF (Existing – NO CHANGE)

506.3.3 FRONTAGE INCREASE CALCULATION

Actual Open Perimeter (P):	432.75 LF
Actual Total Perimeter (P):	660 LF
Width Weighted Average (W):	29.87 LF
Frontage Increase Factor	$k_f = 0.40$

$k_f = [P / (P - 0.25)] \times W / 30$
 $k_f = [432.75 / 660 - 0.25] \times 29.87 / 30$
 $k_f = 0.40$

Means of Egress: (OBC Chapter 10)

Table 1004.1.1 Occupant Load Calculations

Level	Sq Footage (Existing)	Project Area	# of Occupants
EXISTING BUILDING SQUARE FOOTAGE			
FIRST FLOOR	22,130 S.F.	0 S.F.	402 Occupants (No Change)
SECOND FLOOR	22,378 S.F.	1,047 S.F.	588 Occupants (No Change)
THIRD FLOOR	22,130 S.F.	4,447 S.F.	451 Occupants (Increased from Existing Count Which is 450 - See Table Below)
Totals	66,638 S.F.	6,394 S.F.	1,441 Occupants

Location/Space	Sq Footage	S.F./Occ.	# of Occupants
Classroom Area	4,538 S.F.	20 S.F. / Occ.	222 Occupants
Lab – Shops and Other Vocational Room	6,536 S.F.	50 S.F. / Occ.	131 Occupants
Accessory Storage / Mechanical Areas	317 S.F.	300 S.F. / Occ.	2 Occupants
Business	4,602 S.F.	100 S.F. / Occ.	46 Occupants
Total Occupant Load for First Floor			451 Occupants

Egress Capacity Analysis:

NOTE: NO MODIFICATIONS ARE BEING MADE TO THE EXISTING CORRIDORS, EGRESS DOORS, OR INTERIOR STAIRS/RAMP.

Qty. Doors	Clear Width per door	Code Factor	Occupants per Door	Space Egress Capacity
2	66"	.15	443 Occupants	880 Occupants
2	31"	.15	207 Occupants	413 Occupants
First Floor Exit Discharge Capacity				1,293 Occupants
First Floor Actual Occupant Load				402 Occupants
Total Quantity of Means of Egress Required per 1006.2				2
Total Quantity of Means of Egress Provided				4

Qty. Doors/Stairs	Width	Code Factor	Total Occupant Load Capacity	Actual Occupant Load
2 Egress Doors (Leading to Exterior Plaza)	66"	.15	880 Occupants	294 Occupants
1 Egress Door (Horizontal Exit leading to Egress Stair)	33"	.15	220 Occupants	147 Occupants
2 Egress Stair	87"	.2	970 Occupants	294 Occupants
Total Stairs Egress Capacity per 1006.1				2,070 Occupants
Second Floor Actual Occupant Load				588 Occupants
Total Quantity of Exits/Stairs Required per Table 1006.3.1				3
Total Quantity of Exits/Stairs Provided				4

Qty. Doors/Stairs	Width	Code Factor	Total Occupant Load Capacity	Actual Occupant Load
Main Stair	260"	.3	933 Occupants	319 Occupants
Ramp	60"	.2	300 Occupants	200 Occupants
Total Stair & Ramp Capacity per 1006.1				1,233 Occupants
Plaza Stair & Ramp Actual Occupant Load				519 Occupants

TOTAL BUILDING AREA ANALYSIS: (OBC 506)

Rated Construction Analysis: (OBC Ch's. 6 & 7)

NOTE: NO MODIFICATIONS ARE BEING MADE TO EXISTING FIRE-RATED CONSTRUCTION.

Table 601	Construction Type:	Allowed IIB	Provided IIB
	Structural Frame:	0 Hrs.	0 Hrs.
	Exterior Bearing Walls:	0 Hrs.	0 Hrs.
	Interior Bearing Walls:	0 Hrs.	0 Hrs.
	Floor Construction:	0 Hrs.	0 Hrs.
	Roof Construction:	0 Hrs.	0 Hrs.
	Exterior Non-Bearing Walls:	0 Hrs.	0 Hrs. (Table 602)

706 Fire Walls: (3) Hour Fire Rating, Table 706.4 – Existing

Signage or stenciling is provided above all suspended ceilings in concealed spaces identifying all Fire Barriers with lettering reading "FIRE AND/OR SMOKE BARRIER – PROTECT ALL OPENINGS."

Vertical Continuity, Stepped Buildings – Section 706.6.1

Where the fire wall creates stepped buildings, the fire wall terminates not less than 30' above the lower roof and the exterior wall above is not less than a one-hour rated assembly and openings within the exterior wall above have a fire protection rating of not less than 1/2 hour.

707 Fire Barriers: (1) Hour Fire Rating - Existing

Signage or stenciling is provided above all suspended ceilings in concealed spaces identifying all Fire Barriers with lettering reading "FIRE AND/OR SMOKE BARRIER – PROTECT ALL OPENINGS."

Exit Stairs	(1) Hr. Rt.
Exit Access Corridors	(1) Hr. Rt.
Horizontal Exits	(1) Hr. Rt.
Shaft Enclosures (Less than 4 stories)	(1) Hr. Rt.
Smoke Barriers	(1) Hr. Rt.

714.3 Rated Wall Penetrations:

There are no new penetrations in rated wall assemblies.

714.5 Nonfire-resistance-rated floor or floor/ceiling assemblies:

714.5.1. Noncombustible penetrating items that connect not more than five stories are permitted, provided that the annular space is filled to resist the free passage of flame and the products of combustion with an approved noncombustible material or with a fill, void or cavity material that is tested and classified for use in through-penetration firestop systems.
714.5.2. Penetrating items that connect not more than two stories are permitted, provided that the annular space is filled with an approved material to resist the free passage of flame and the products of combustion.

717 HVAC Penetrations in Rated Assemblies:

There are no new HVAC penetrations in rated assemblies.

Interior Finishes: (OBC Chapter 8)

803 Wall & Ceiling Finishes

For B Occupancies, wall and ceiling finishes include:
Vertical exits: Class B
Exit Access corridors: Class C
Rooms/Enclosed spaces: Class C

804 Floor Finishes:

No floor finishes in vertical exits and exit access corridors will be modified as part of this project.

All floor finishes in spaces other than vertical exits, and exit access corridors shall comply with DOC FF-1 "pill test"

Fire Protection: (OBC Chapter 9)

903 Automatic Sprinkler System Use Group Requirements: System Provided (Existing)

903.4 Sprinkler System Monitoring & Alarms: System Provided (Existing)

IFC 906 Portable Fire Extinguishers: Provided

Refer to Drawing Sheets G-102 and G-103 for locations of Portable Fire Extinguishers at Second and Third Floors. No changes to locations of portable fire extinguishers on First Floor. Refer to Specifications, Division 10 for specifications and sizing of Portable Fire Extinguishers.

907 Fire Alarm & Detection System Requirements based upon Use Group: System Provided (Existing)

Means of Egress: (OBC Chapter 10)

1006.2.1 Common Path of Travel:

All common paths of travel for the project are less than 100'

1008 Means of Egress Emergency Lighting:

Means of Egress Emergency Lighting is provided along the entire exit access path including exits, above exterior exit discharge doors and all spaces requiring two means of egress. Refer to the Electrical Lighting Plans for specific locations.

1009 Accessible Means of Egress:

All accessible spaces are served by one Accessible Means of Egress
All accessible spaces requiring more than one Means of Egress are served by at least two Accessible Means of Egress.

1010 Doors

Refer to the door schedule in the drawings on sheet A-601 and the project specifications for individual door hardware information.

All doors intended for occupant passage provide a clear 33" width per leaf in the fully open position.

No new doors serving an occupant load of 50 or more.

The unlatching of any door hardware shall only require one operation per Section 1010.1.9.5.

No new fire rated doors.

1013 Exit Signs:

No new exit signs required as part of this project.

1013.4 Tactile Exit Signs

No new tactile exit signs required as part of this project.

Table 1017.2 Exit Access Travel Distance:

The exit access travel distance is less than 300' throughout the entire building (with sprinkler system).

1020.4 Dead End Corridors:

There are no new dead end corridors created as part of this project.

Accessibility: (OBC Chapter 11)

1104.3 An Accessible Route is provided connecting all accessible spaces.

1104.3.1 All Employee Work Areas include an Accessible Route within the work Area.

1105.1 No modifications to existing building entrances as part of this project.

Interior Environment: (OBC Chapter 12)

1205 Lighting:

All spaces intended for human occupancy either have a minimum of 8% of the floor area provided for natural light or are designed to provide a minimum 10 ft. sq. of artificial light at a height of 30' AFF.

Plumbing Fixtures: (OBC Chapter 29)

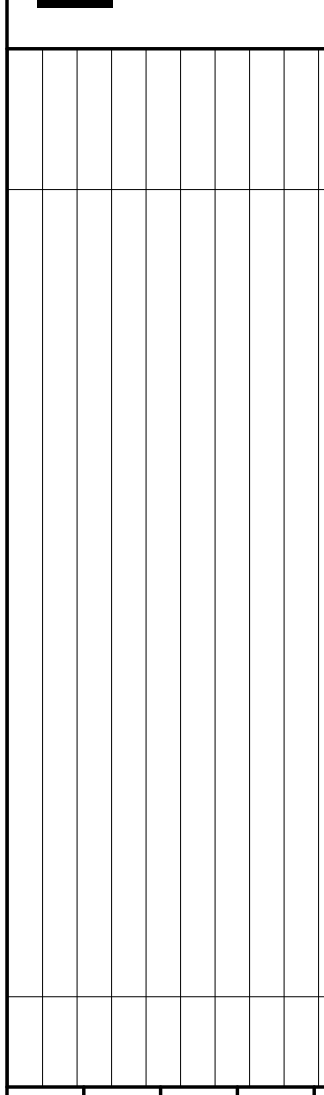
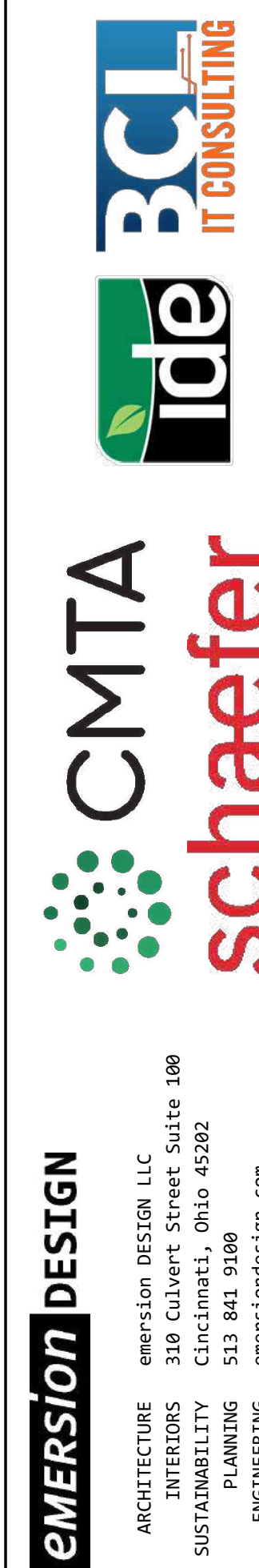
NO MODIFICATIONS ARE BEING MADE TO THE EXISTING RESTROOMS. NO CHANGE TO PLUMBING CALCULATIONS.

Special Inspections: (OBC Chapter 17)

1704.1 All Special Inspectors shall be contracted directly to the owner and the cost of those inspections paid by the owner.

1704.2.4 All Special Inspectors shall issue timely reports and submit the same to the Owner, CM, Contractor, Appropriate Registered Design Professional, and the Building Official on a time schedule approved by the Building Official.

For additional Special Inspection Requirements refer to Structural Drawings.



DESIGNED BY:	J. CRENS	DATE:	03/13/2023
DRAWN BY:	J. SWENNEY	CHECKED BY:	J. SWENNEY
PROJECT NO.:	105201	PROJECT NAME:	CLARK STATE COLLEGE RHODES HALL RENOVATIONS PHASE 4
SCALE:	AS SHOWN	SHEET NO.:	3042
FILE NAME:			

CLARK STATE COLLEGE RHODES HALL RENOVATIONS
PHASE 4
570 LEFFEL LANE
SPRINGFIELD, OH 45505
CODE REVIEW SHEET



03/13/2023
SHEET IDENTIFICATION

GENERAL LIFE SAFETY NOTES

- A. REFER TO SHEET G-100 FOR FULL CODE REVIEW, INCLUDING EGRESS CAPACITIES AND OCCUPANT LOADS.
- B. EXISTING FIRE EXTINGUISHERS OUTSIDE PROJECT SCOPE TO REMAIN. G.C. TO FURNISH ONLY THOSE SHOWN AS PART OF NEW CONSTRUCTION.

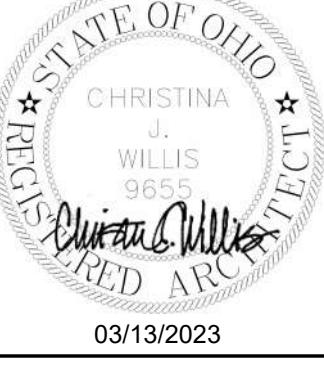


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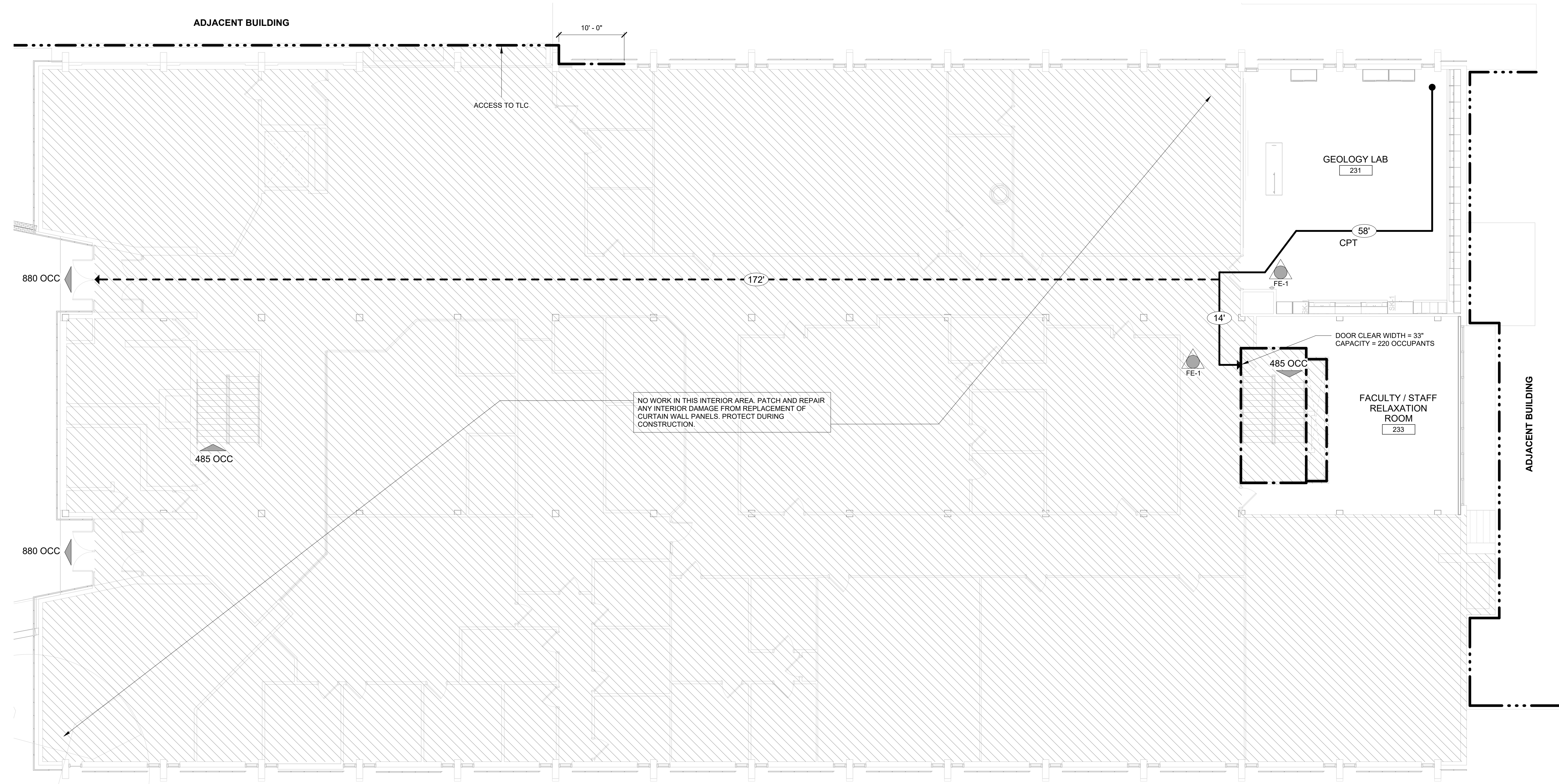
MARK	DESCRIPTION	DATE

DESIGNED BY:	J. CREWS	DATE:	03/13/2023
DRAWN BY:	J. SWENEY	CHECKED BY:	J. SWENEY
PROJECT NO.:	25201	PROJECT MANAGER:	S. SIMBALL
SHEET NO.:	3042	PLAT SCALE:	As indicated
FILE NAME:			

CLARK STATE COLLEGE RHODES HALL RENOVATIONS
 PHASE 4
 570 LEFFEL LANE
 SPRINGFIELD, OH 45505
 RHODES HALL 200 LEVEL LIFE SAFETY PLAN



03/13/2023
 SHEET IDENTIFICATION



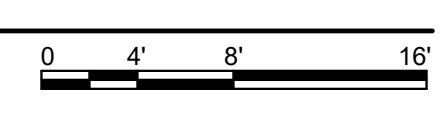
NO WORK IN THIS INTERIOR AREA. PATCH AND REPAIR ANY INTERIOR DAMAGE FROM REPLACEMENT OF CURTAIN WALL PANELS. PROTECT DURING CONSTRUCTION.

LIFE SAFETY ROOM SCHEDULE RH 200

NUMBER	NAME	USE GROUP	OCCUPANT LOAD FACTOR	AREA
231	GEOLOGY LAB	UNCHANGED	-	1231 SF
233	FACULTY / STAFF RELAXATION ROOM	UNCHANGED	-	716 SF

- LIFE SAFETY PLAN LEGEND**
- 50' EXIT ACCESS TRAVEL DISTANCE
 - CPT CPT = COMMON PATH OF TRAVEL DISTANCE
 - - - ALTERNATE PATH OF EGRESS
 - · - · 1 HR FIRE BARRIER
 - · · · 3 HR FIRE WALL
 - ▲ FE-1 FIRE EXTINGUISHER - TYPE 1 MULTIPURPOSE DRY CHEMICAL TYPE, UL-RATED 4-A-80-B-C, 10-LB NOMINAL CAPACITY
 - ▲ 240 OCC OCCUPANT CAPACITY AT EXIT
 - ▨ AREA NOT IN SCOPE OF NEW WORK

RHODES 200 LEVEL LIFE SAFETY PLAN
 SCALE: 1/8" = 1'-0"



GENERAL LIFE SAFETY NOTES

- A. REFER TO SHEET G-100 FOR FULL CODE REVIEW, INCLUDING EGRESS CAPACITIES AND OCCUPANT LOADS.
- B. EXISTING FIRE EXTINGUISHERS OUTSIDE PROJECT SCOPE TO REMAIN. G.C. TO FURNISH ONLY THOSE SHOWN AS PART OF NEW CONSTRUCTION.

BCL
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MARK	DESCRIPTION	DATE

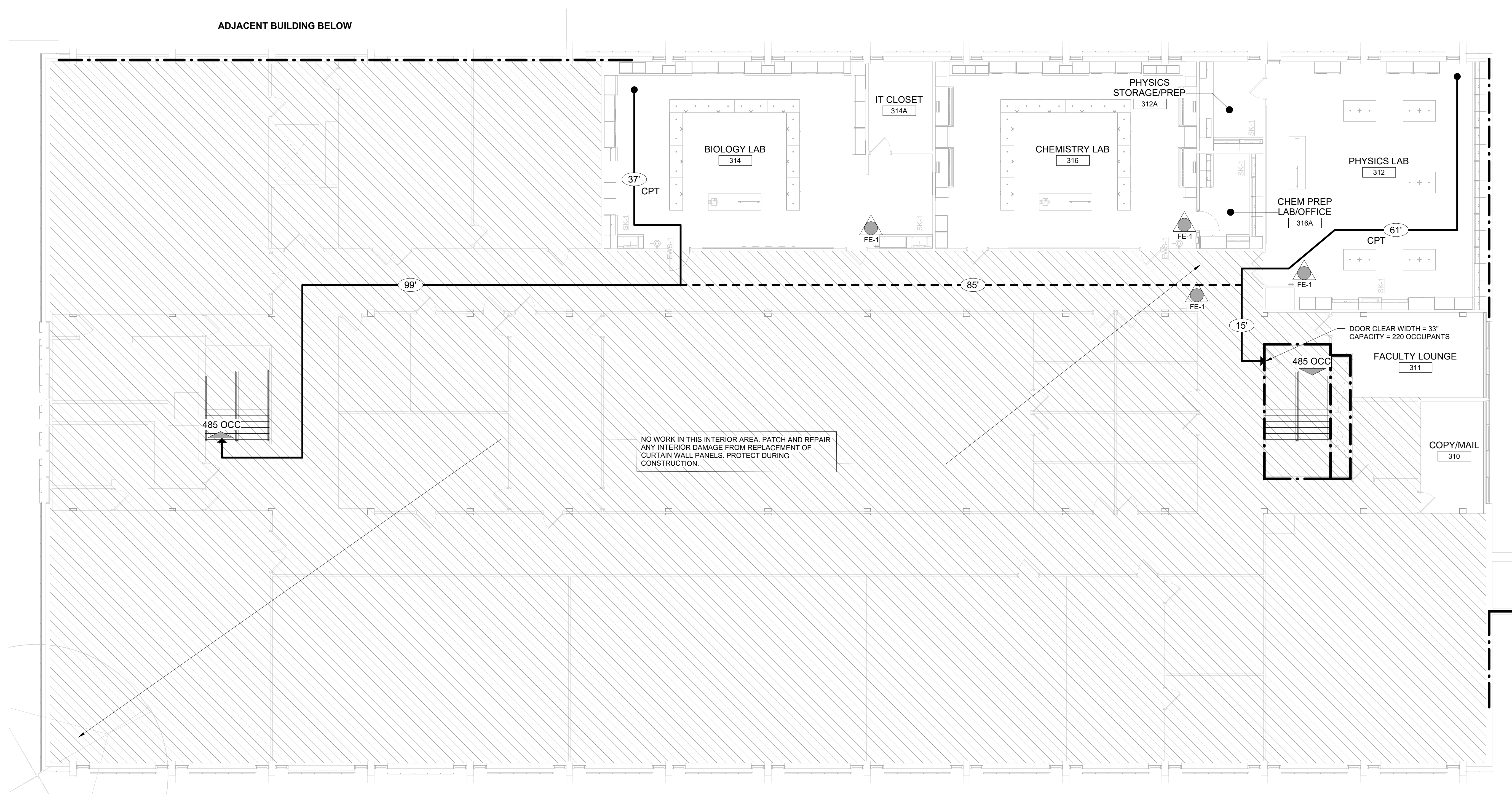
DESIGNED BY: J. CREWS	CHECKED BY: J. SWENEY	DATE: 03/13/2023
DRAWN BY: S. SMITH	PROJECT NO.:	PROJECT NO.:
SHEET NO.:	PROJECT MANAGER:	PROJECT MANAGER:
FILE NAME:	AS BUILT:	AS BUILT:

LIFE SAFETY ROOM SCHEDULE RH 300

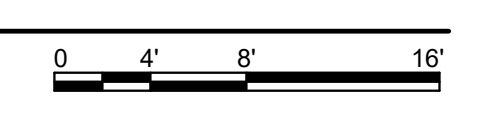
NUMBER	NAME	USE GROUP	OCCUPANT LOAD FACTOR	AREA
310	COPY/MAIL	UNCHANGED	-	160 SF
311	FACULTY LOUNGE	UNCHANGED	-	272 SF
312	PHYSICS LAB	UNCHANGED	-	1236 SF
312A	PHYSICS STORAGE/PREP	B	100 S.F. / Occ	131 SF
314	BIOLOGY LAB	UNCHANGED	-	1266 SF
314A	IT CLOSET	UNCHANGED	-	132 SF
316	CHEMISTRY LAB	B	50 S.F. / Occ	1123 SF
316A	CHEM PREP LAB/OFFICE	B	100 S.F. / Occ	137 SF

LIFE SAFETY PLAN LEGEND

- 50' EXIT ACCESS TRAVEL DISTANCE
- CPT CPT = COMMON PATH OF TRAVEL DISTANCE
- - - - ALTERNATE PATH OF EGRESS
- · — · 1 HR FIRE BARRIER
- · · · 3 HR FIRE WALL
- FE-1 FIRE EXTINGUISHER - TYPE 1 MULTIPURPOSE DRY CHEMICAL TYPE: UL-RATED 4-A-60-B-C, 10-LB NOMINAL CAPACITY
- 240 OCC OCCUPANT CAPACITY AT EXIT
- ▨ AREA NOT IN SCOPE OF NEW WORK



A1 RHODES 300 LEVEL LIFE SAFETY PLAN
SCALE: 1/8" = 1'-0"



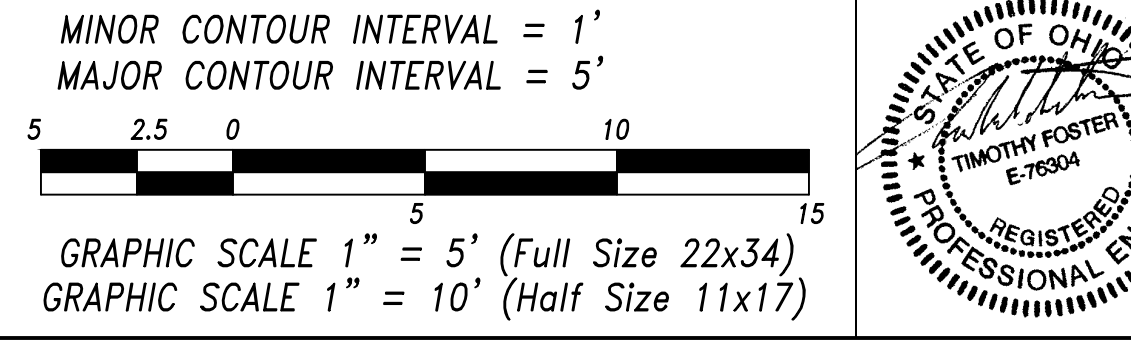
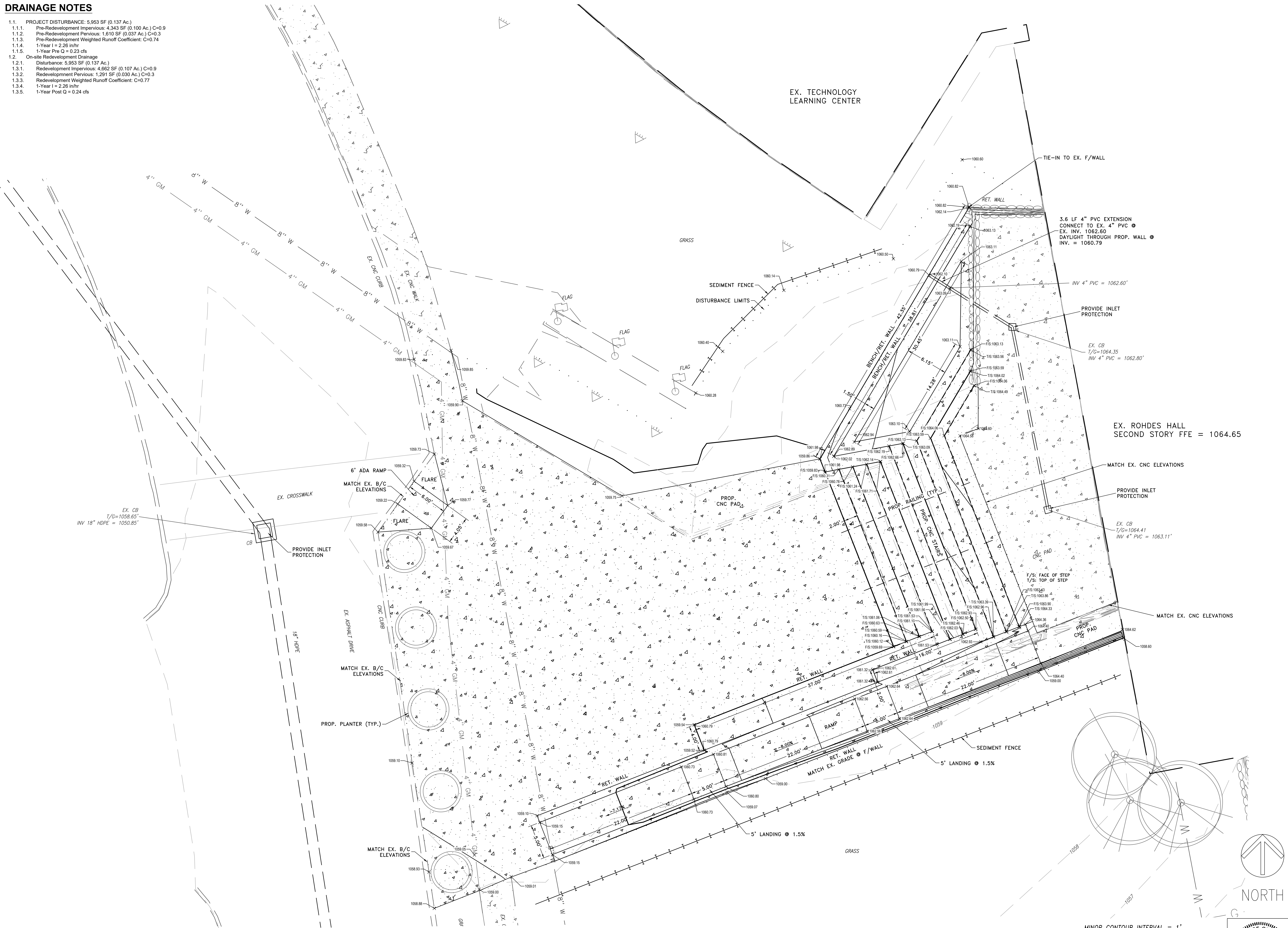
CLARK STATE COLLEGE RHODES HALL RENOVATIONS
PHASE 4
570 LEFFEL LANE
SPRINGFIELD, OH 45505
RHODES HALL 300 LEVEL LIFE SAFETY PLAN



03/13/2023
SHEET IDENTIFICATION

DRAINAGE NOTES

- 1.1. PROJECT DISTURBANCE: 5,953 SF (0.137 Ac.)
- 1.1.1. Pre-Redevelopment Impervious: 4,343 SF (0.100 Ac.) C=0.9
- 1.1.2. Pre-Redevelopment Pervious: 1,610 SF (0.037 Ac.) C=0.3
- 1.1.3. Pre-Redevelopment Weighted Runoff Coefficient: C=0.74
- 1.1.4. 1-Year I = 2.26 in/hr
- 1.1.5. 1-Year Pre Q = 0.23 cfs
- 1.2. On-site Redevelopment Drainage
- 1.2.1. Disturbance: 5,953 SF (0.137 Ac.)
- 1.2.1.1. Redevelopment Impervious: 4,862 SF (0.107 Ac.) C=0.9
- 1.2.1.2. Redevelopment Pervious: 1,291 SF (0.030 Ac.) C=0.3
- 1.2.1.3. Redevelopment Weighted Runoff Coefficient: C=0.77
- 1.2.1.4. 1-Year I = 2.26 in/hr
- 1.2.1.5. 1-Year Post Q = 0.24 cfs



ARCHITECTURE
INTERIORS
SUSTAINABILITY
PLANNING
ENGINEERING

DATE	DESCRIPTION	MARK

DESIGNED BY: JM	PROJECT NO.: 20200402	DATE: 03/12/2023	
DRAWN BY: S. KIMBALL	CHECKED BY: S. KIMBALL	PROJECT MANAGER: S. KIMBALL	FILE NAME:
SHEET SIZE: 30x42		PLOT SCALE: 1" = 5'-0"	

RHODES HALL PLAZA IMPROVEMENTS
670 E. LEFFEL LANE, SPRINGFIELD, OH 45505

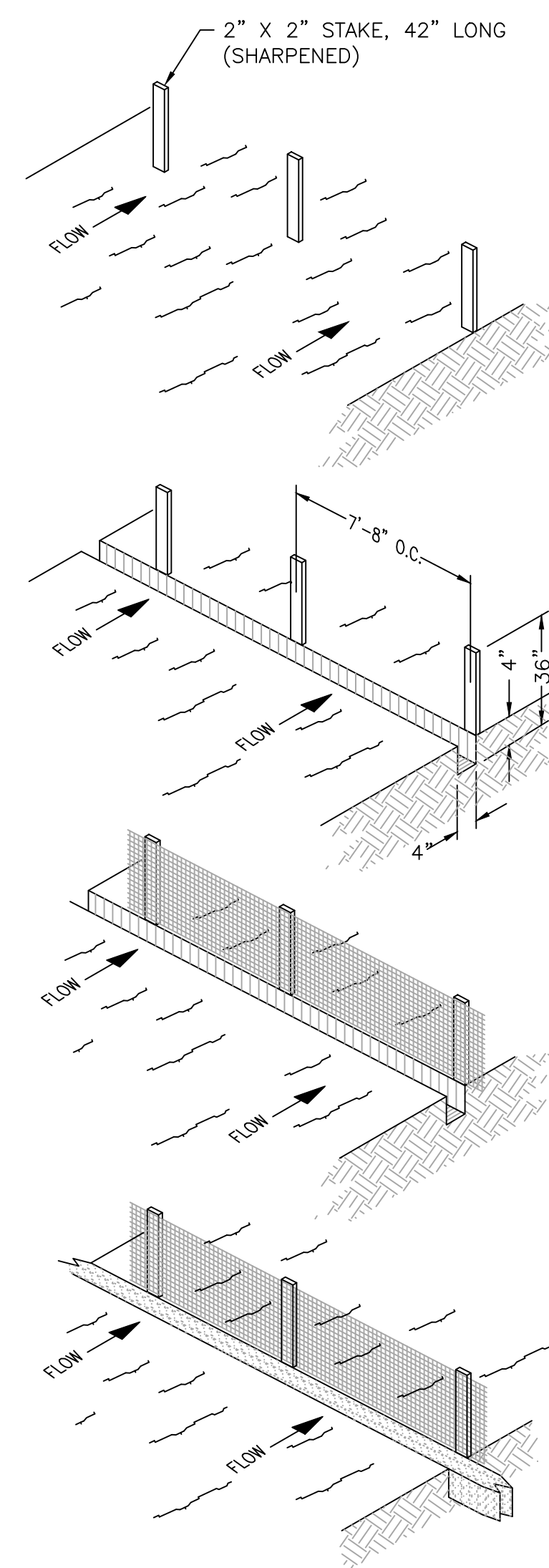
CIVIL SITE PLAN

RECORD DOCUMENT
THESE RECORD DOCUMENTS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. EMERSON DESIGN HAS NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY BE INCORPORATED AS A RESULT OF ERRONEOUS INFORMATION PROVIDED BY OTHERS.

SHEET IDENTIFICATION

C-101

ISSUED FOR PERMIT/BID - MARCH 13, 2023



SILT FENCE: THIS SEDIMENT BARRIER UTILIZES STANDARD STRENGTH OR EXTRA STRENGTH SYNTHETIC FILTER FABRIC. IT IS DESIGNED FOR SITUATIONS IN WHICH ONLY SHEET OR OVERLAND FLOWS ARE EXPECTED.

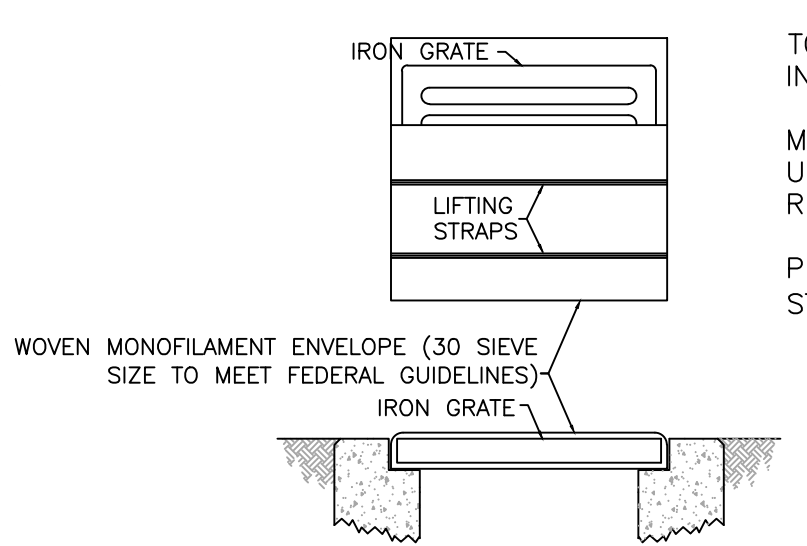
1. THE HEIGHT OF A SILT FENCE SHALL NOT EXCEED 36". HIGHER FENCES MAY IMPOUND VOLUMES OF WATER SUFFICIENT TO CAUSE FAILURE OF THE STRUCTURE.
2. FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6" OVERLAP, & SECURELY SEALED.
3. POSTS SHALL BE SPACED A MAXIMUM OF 10' APART AT THE BARRIER LOCATION & DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 12". WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 6'.
4. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4" WIDE & 4" DEEP ALONG THE LINE OF POSTS & UP-SLOPE FROM THE BARRIER.
5. WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UP-SLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1' LONG. TIE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 2" & SHALL NOT EXTEND MORE THAN 36" ABOVE THE ORIGINAL GROUND SURFACE.
6. STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, & 8" OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. FABRIC SHALL NOT EXTEND MORE THAN 36" ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.
7. WHEN EXTRA STRENGTH FILTER FABRIC & CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS WITH ALL OTHER PROVISIONS OF ITEM NO. 6 APPLYING.
8. THE TRENCH SHALL BE BACKFILLED & SOIL COMPACTED OVER THE FILTER FABRIC.
9. SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UP-SLOPE AREA HAS BEEN PERMANENTLY STABILIZED.

MAINTENANCE:
SILT FENCES & FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL & AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

SHOULD THE FABRIC ON A SILT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE & THE BARRIER IS STILL NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.

SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.

ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED & SEEDED.

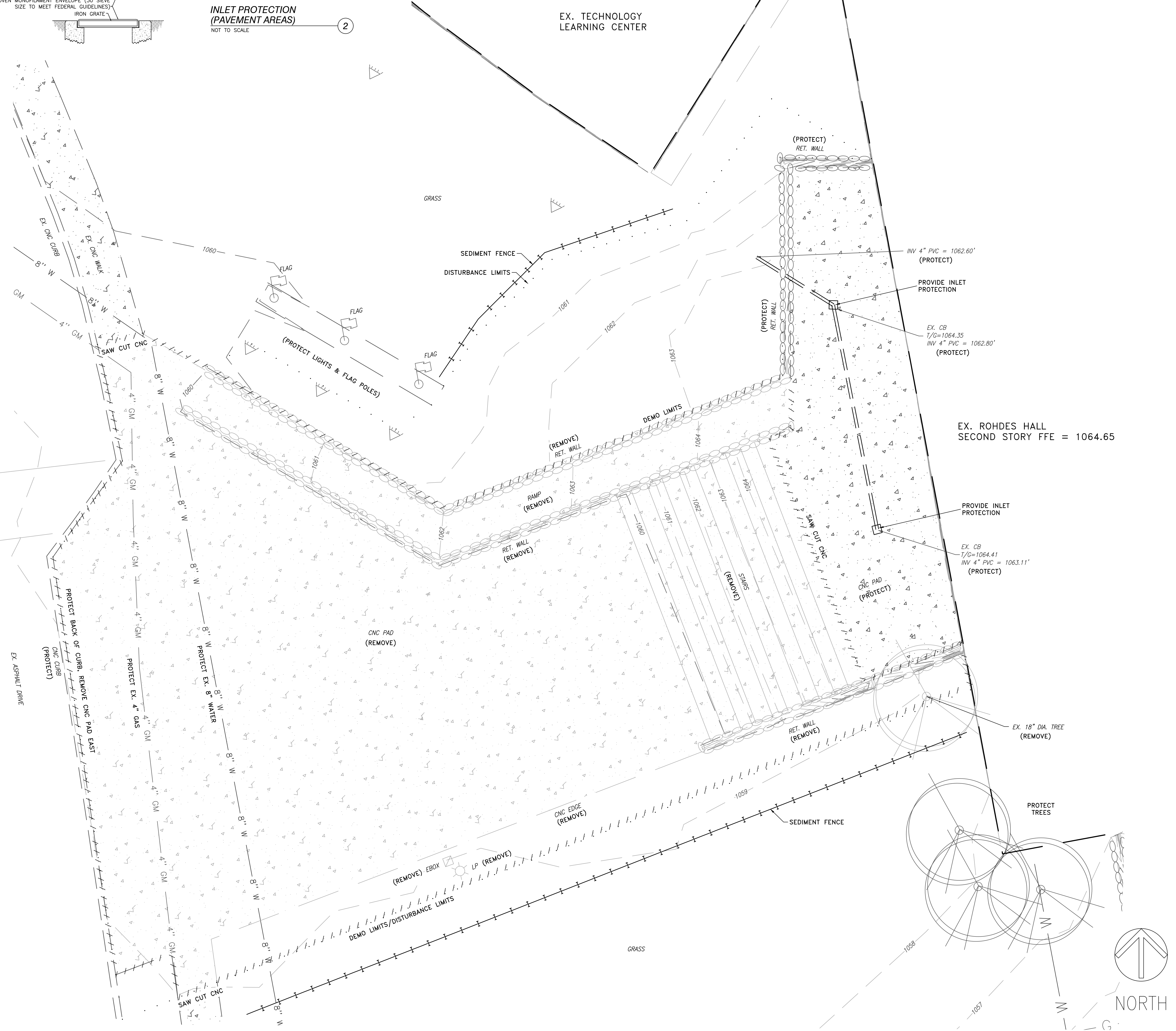


INLET PROTECTION (PAVEMENT AREAS)
NOT TO SCALE

TO INSPECT CATCH BASIN: REMOVE UNIT WITH GRATE INSIDE, INSPECT BASIN AND REPLACE UNIT.

MAINTENANCE: REMOVE DRIED SEDIMENT FROM SURFACE OF UNIT AS NEEDED WITH STIFF BRUSH OR SQUARE SHOVEL. REMOVE FINE MATERIAL FROM INSIDE ENVELOPE AS NEEDED. PROVIDE THIS DETAIL OR OTHER APPROVED PROTECTION AT STRUCTURES/INLETS

SEDIMENT FENCE
NOT TO SCALE



MINOR CONTOUR INTERVAL = 1'
MAJOR CONTOUR INTERVAL = 5'

GRAPHIC SCALE 1" = 5' (Full Size 22x34)
GRAPHIC SCALE 1" = 10' (Half Size 11x17)

STATE OF OHIO
REGISTERED PROFESSIONAL ENGINEER
TIMOTHY FORTNER
E1004

BCL IT CONSULTING
ide

CMTA
schaefer

EMERSON DESIGN
ARCHITECTURE interior DESIGN LLC
INTERIORS 310 Culvert Street Suite 100
SUSTAINABILITY Cincinnati, Ohio 45202
PLANNING 513 841 9389
ENGINEERING emersondesign.com

DESIGNED BY:	DATE:	PROJECT NO.:	DATE:	DESCRIPTION:
JM	03/12/2023	Z020402		
DRAWN BY:	CHECKED BY:	PROJECT MANAGER:	PLAT SCALE:	MARK
IS VIBALL	IS VIBALL	IS VIBALL	1" = 5'-0"	
SHEET SIZE:	DATE:	FILE NAME:		
30x42				

RHODES HALL PLAZA IMPROVEMENTS
670 E LEFFEL LANE, SPRINGFIELD, OH 45505

CIVIL DEMO PLAN

RECORD DOCUMENT
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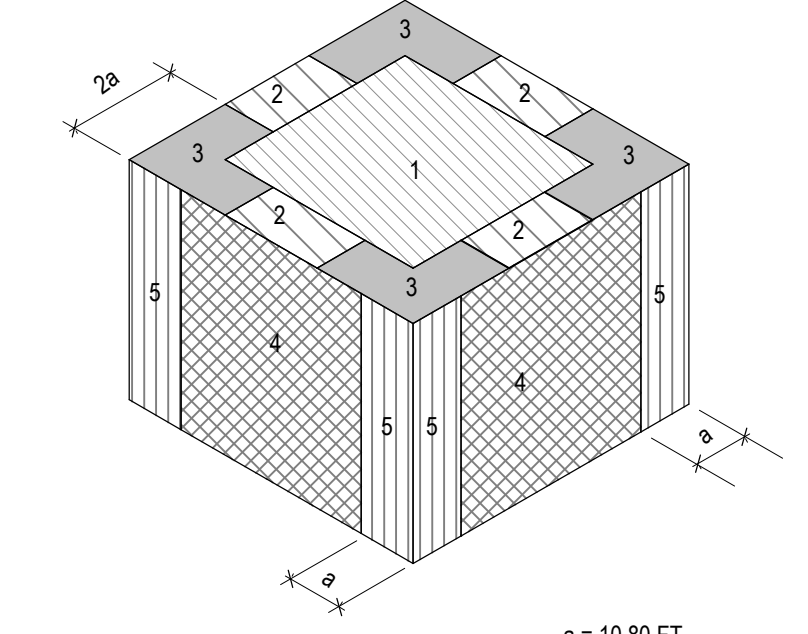
SHEET IDENTIFICATION
CD101

ISSUED FOR PERMIT/BID - MARCH 13, 2023

Item	Sub Item / Scope	Extent			Agency Qualifications	Comments
		Observe	Perform	N/A		
In-Plant Special Inspections	Fabrication and implementation procedures. In addition to special inspections provided on site, provide special inspections indicated below on the premises of fabricator's shop. Verify that the fabricator maintains detailed fabrication and quality control procedures.		X	X	As Noted Below	Special Inspections on the premises of the fabricator's shop are not required provided the fabricator is an Approved Fabricator in accordance with section 1704.2. Fabricator is required to submit documentation/certification that they are an Approved Fabricator.
1. Fabricator and erector documents	Verify reports and certificates as listed in ASC 360, chapter N, paragraph 3.2 for compliance with construction documents		X		Schafer Submittal Review	
2. Material verification of structural steel	Verify material in shop and field inspection		X		Testing Agency	
3. Embedments	Verify diameter, grade, type, length, embedment. See Table 1705.3 for anchors			X	Testing Agency	
4. Verify compliance with construction documents	Verify member locations, braces, stiffeners, and application of joint details at each connection comply with construction documents		X		Testing Agency	
5.4-1. Visual Welding Inspection - Inspection Tasks Before Welding:	1. Welding procedure specifications (WPS) available 2. Manufacturer certifications for welding consumables available 3. Material identification 4. Fit up of Groove Welds (including Joint Geometry): Inspection shall include joint preparation, Dimensions (alignment, root opening, root face, and bevel), Cleanliness (condition of steel surfaces), Tackling (back weld quality and location), Backing type and fit (if applicable) 4. Configuration and Finish of Access Holes: 5. Fit up of Fillet Welds		X		Testing Agency AWS - Certified Welding Inspector	
5.4-2. Visual Welding Inspection - Inspection Tasks During Welding:	1. Use of Qualified Welders 2. Control and Handling of Welding Consumables: (Packaging and Exposure control) 3. No welding over cracked back welds. 4. Environmental Conditions: Wind speed within limits, and Dewpoint and temperature. WPS Followed: Observe Settings on welding equipment, Travel speed, Selected welding materials, Shielding gas type/flow rate, Preheat applied, Interpass temperature maintained (min and max), and Proper position (F.V.F./OH) Welding Techniques: Interpass and final cleaning. Each pass within profile limitations. Each pass meets quality requirements.		X		Testing Agency AWS - Certified Welding Inspector	
5.4-3. Visual Welding Inspection - Inspection Tasks After Welding	1. Welds Cleaned 2. Size, Length, and Location of Welds: 3. Welds meet visual acceptance criteria: Crack prohibition, Weld/base-metal fusion, Crater cross section, Weld profiles, Weld size, Undercut, Porosity. 4. Arc strikes: 5. k-area 6. Backing Bar Removal and weld tabs removal (if required): 7. Repair Activities: 8. Document acceptance or rejection of welded joint or member		X		Testing Agency AWS - Certified Welding Inspector	
5.5 Non-destructive Testing of Welds	1. CJP Groove Welds: Ultrasonic testing shall be performed on 100 percent of CJP groove welds subject to transversely applied tension loading in butt, T- and corner joints, in materials 5/16 in thick or greater. Ultrasonic testing in materials less than 5/16 in thick is not required. Reduction of Rate of Ultrasonic Testing is permitted if the conditions of ASC 360-10 Appendix N.5.a are met. 2. Access Holes: Thermally cut surfaces of access holes shall be tested using Magnetic Particle Testing or Penetration Testing, when the flange thickness exceeds 2 inches for rolled shapes or when the web thickness exceeds 2 inches for built up shapes. 3. Weld Joints Subjected to Fatigue: Welded joints requiring weld soundness to be established by Radiographic or Ultrasonic Inspections. Reduction rate is prohibited.		X		Testing Agency AWS - Certified Welding Inspector	Perform NDT for both in field and shop welds.
5.6-1. Inspection of Bolting - Inspection Tasks Prior to Bolting	1. Manufacturer's certifications available for fastener materials. 2. Fasteners marked in accordance with ASTM requirements 3. Proper fasteners selected for the joint detail (grade, type, and bolt length if inserts are excluded from shear plane). 4. Proper bolting procedure selected for joint detail. 5. Connecting elements: Verify elements are fabricated properly, including the appropriate splicing surface condition and hole preparation, if specified, meets the applicable requirements. 6. Pre-installation verification testing conducted for fastener assemblies and methods used 7. Proper storage provided for bolts, nuts, washers, and other fastener components		X		Testing Agency	Perform NDT for both in field and shop welds.
5.6-2. Inspection of Bolting - Inspection Tasks During Bolting	1. Fastener assemblies, of suitable condition, placed in all holes and washers (if required) are properly positioned 2. Joint brought to the snug tight condition prior to the pretensioning operation 3. Fastener component not turned by the wrench prevented from rotating 4. Bolts are pretensioned in accordance with the RCSC specification, progressing systematically from most rigid point toward free edges		X		Testing Agency	
5.6-3. Inspection of Bolting - Inspection Tasks After Bolting	1. Document accepted and rejected connections:		X		Testing Agency	
6.1 Inspection of Steel Elements of Composite Construction Prior to Concrete Placement	1. Placement and installation of steel deck. 2. Placement and installation of steel headed stud anchors. 3. Document acceptance or rejection of steel elements.		X		Testing Agency	
7. Inspection of Steel Frame	1. Inspect fabricated steel or erected steel frame to verify compliance with details shown on construction documents including bracing, stiffeners, member locations, and proper application of joint details at each connection		X		Testing Agency	

Item	Sub Item / Scope	Extent		Agency Qualifications	Comments
		Cont.	Periodic		
In-Plant Special Inspections (Precast Concrete)	Fabrication and implementation procedures. In addition to special inspections provided on site, provide special inspections indicated below on the premises of fabricator's shop. Verify that the fabricator maintains detailed fabrication and quality control procedures.			X	As Noted Below
1. Reinforcing steel	a. Mild Reinforcing Steel: Inspect size, spacing, cover, positioning and grade of reinforcing steel. Verify that reinforcing bars are free of form oil or other deleterious materials. Inspect bar face and mechanical splices. Verify that bars are adequately tied and supported on chairs or bolsters. Verify welded wire fabric is supported per construction documents. Reference ACI 318: 20, 25.2, 25.3, 25.6-1-26.6-3, and IBC 1908.4. b. Prestress Steel: Inspect size, spacing, cover, and position of prestressing tendons:		X		Testing Agency
2. Welding of Reinforcing Steel	a. Verify weldability of reinforcing bars other than ASTM A706. Reference ACI 318: 26.6.4 and AWS D1.4. b. Inspect single pass fillet welds, maximum 5/16" c. Inspect all other welds			X	Testing Agency AWS - Certified Welding Inspector
3. Cast In Place Anchor Rods	Inspect size, position and embedment of cast in place bolts and anchor rods. Inspect concrete placement and consolidation around anchors. Reference ACI 318: 17.8.2			X	Testing Agency
4. Post Installed Anchors (Anchors installed in Hardened Concrete)	a. Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads. Inspect type and size of anchor, concrete type and compressive strength, hole clearing procedures, anchor embedment, anchor spacing and edge distances, and tightening torque (where applicable). Reference ACI 318: 17.8.2.4 b. Mechanical anchors and adhesive anchors not defined in 4.a. Inspect type and size of anchor, concrete type and compressive strength, hole clearing procedures, anchor embedment, anchor spacing and edge distances, and tightening torque (where applicable). Reference ACI 318: 17.8.2		X		Testing Agency
5. Mix Design	Review concrete batch tickets and verify compliance with approved mix design. Verify that water added at site, if permitted by construction documents, does not exceed that allowed by mix design.			X	Testing Agency
6. Sampling and Testing of Concrete	At the time fresh concrete is sampled to fabricate specimens for strength tests, perform slump and air content tests as required by construction documents, and determine the temperature of concrete. Reference ASTM C 172, ASTM C31, ACI 318 19, 26.4.3, 26.4.4, and IBC 1904.1, 1904.2, 1908.2, 1908.3		X		Testing Agency
7. Concrete and Shotcrete Placement	Inspect concrete and shotcrete placement for proper application techniques. Reference ACI 318: 26.5 and IBC 1908.5, 1908.7, and 1908.8. Verify that concrete conveyance and discharging avoids segregation or contamination. Verify that concrete is properly consolidated.		X		Testing Agency
8. Curing and Protection	Inspect for maintenance of specified curing temperature and techniques. Inspect cold weather and hot weather protection procedures as applicable. Reference ACI 318: 26.5.3-26.5.5 and IBC 1908.9.		X		Testing Agency
9. Prestressed (Post-tensioned) Concrete	a. Application of Prestressing Forces: Inspect placement, stressing, grouting and protection of post-tensioning tendons. Verify that tendons are correctly positioned, supported, tied and wrapped. Record tendon elongations. Reference ACI 318: 26.10.2 b. Grouting of Bonded Prestressing Tendons in the Seismic-Force Resisting System: Reference ACI 318: 26.10.1			X	Testing Agency
10. Precast Concrete Erection	Inspect erection of precast concrete including member configuration, connections, welding and grouting. Reference ACI 318: Ch 26.9			X	Testing Agency
11. Verification of In-Situ Concrete Strength	Verify concrete strength prior to the removal of shores and forms from beams and structural slabs and prior to the stressing of tendons in post-tensioned concrete. Reference ACI 318: 26.10.2 & 26.11.1.2		X		Testing Agency
12. Formwork Geometry	Inspect formwork for shape, location and dimensions of the concrete member being formed. Reference ACI 318: 26.11		X		Testing Agency

Item	Sub Item / Scope	Extent			Agency Qualifications	Comments
		Cont.	Periodic	N/A		
1. Bearing Materials	Verify materials below shallow foundations are adequate to achieve the design bearing capacity.		X		Testing Agency Under supervision of Licensed Geotechnical Engineer	
2. Excavations	Verify excavations are extended to proper depth and have reached proper material		X		Testing Agency Under supervision of Licensed Geotechnical Engineer	
3. Fill Classification	Perform classification and testing of compacted fill materials		X		Testing Agency Under supervision of Licensed Geotechnical Engineer	
4. Placement and Fill Compaction	Verify use of proper materials, densities, and lift thicknesses during placement and compaction of compacted fill		X		Testing Agency Under supervision of Licensed Geotechnical Engineer	
5. Subgrade	Prior to placement of compacted fill, inspect subgrade and verify that the site has been prepared properly		X		Testing Agency Under supervision of Licensed Geotechnical Engineer	



COMPONENTS AND CLADDING (C&C) WIND ZONE ISOMETRIC

POSITIVE WIND PRESSURE ON GLAZING & WALL COMPONENTS (ULTIMATE - 120 MPH)

LOCATION ON BUILDING	POSITIVE PRESSURE	POSITIVE PRESSURE	POSITIVE PRESSURE	POSITIVE PRESSURE
	≤ 10 SQ FT	≤ 50 SQ FT	≤ 100 SQ FT	≤ 500 SQ FT
FIELD AREA (ZONE 4)	34.7 PSF	31.2 PSF	29.6 PSF	26.1 PSF
CORNER AREA (ZONE 5)	34.7 PSF	31.2 PSF	29.6 PSF	26.1 PSF

NEGATIVE WIND PRESSURE ON GLAZING & WALL COMPONENTS (ULTIMATE - 120 MPH)

LOCATION ON BUILDING	NEGATIVE PRESSURE	NEGATIVE PRESSURE	NEGATIVE PRESSURE	NEGATIVE PRESSURE
	≤ 10 SQ FT	≤ 50 SQ FT	≤ 100 SQ FT	≤ 500 SQ FT
FIELD AREA (ZONE 4)	37.6 PSF	34.1 PSF	32.5 PSF	29.0 PSF
CORNER AREA (ZONE 5)	46.3 PSF	39.2 PSF	36.1 PSF	29.0 PSF

PARAPET PRESSURES (WINDWARD PARAPET, ULTIMATE - 120 MPH)

LOCATION ON BUILDING	POSITIVE PRESSURE	POSITIVE PRESSURE	POSITIVE PRESSURE	POSITIVE PRESSURE
	≤ 10 SQ FT	≤ 20 SQ FT	≤ 50 SQ FT	≤ 100 SQ FT
ZONE 2	88.0 PSF	79.6 PSF	68.4 PSF	60.0 PSF
ZONE 3	120.6 PSF	102.3 PSF	78.2 PSF	60.0 PSF

ROOF WIND UPLIFT PRESSURES (ULTIMATE - 120 MPH)

LOCATION ON BUILDING	UPLIFT PRESSURE	UPLIFT PRESSURE	UPLIFT PRESSURE	UPLIFT PRESSURE
	≤ 10 SQ FT	≤ 25 SQ FT	≤ 50 SQ FT	≤ 100 SQ FT
ZONE 1	38.0 PSF	36.7 PSF	35.7 PSF	34.7 PSF
ZONE 2	63.7 PSF	54.7 PSF	48.0 PSF	41.2 PSF
ZONE 3	95.9 PSF	74.1 PSF	57.6 PSF	41.2 PSF
OVERHANG ZONE 1 & 2	54.7 PSF	53.4 PSF	52.4 PSF	51.5 PSF
OVERHANG ZONE 3	90.1 PSF	64.5 PSF	45.1 PSF	25.7 PSF

- ABBREVIATIONS**
- ARCH = ARCHITECT
 - BL = BOTTOM OF
 - BLDG = BUILDING
 - BRG = BEARING
 - CFS = COULD-FORMED STEEL
 - CJ = CONTRACTION JOINT
 - CJP = COMPLETE-JOINT-PENETRATION
 - CL = CENTER LINE
 - CLR = CLEAR
 - CMU = CONCRETE MASONRY UNIT
 - COL = COL LUMN
 - CONC = CONCRETE
 - CONT = CONTINUOUS
 - DIA OR = DIAMETER
 - DEG OR = DEGREE
 - EA = EACH
 - EF = EACH FACE
 - EL = ELEVATION
 - EMB = EMBELEMEN
 - EOB = EDGE OF DECK
 - EOS = EDGE OF SLAB
 - EQ = EQUAL
 - EXIST = EXISTING
 - EXP = EXPANSION
 - FBN = FOUNDATION
 - FS = FAR SIDE
 - FTG = FOOTING
 - GA = GAUGE
 - GALV = GALVANIZED
 - GT = GIRDER TRUSS
 - HORIZ = HORIZONTAL
 - JST BRG = JUST BEARING
 - Ld = TENSION DEVELOPMENT LENGTH OF REINFORCING BAR IN CONCRETE
 - Ldc = COMPRESSION DEVELOPMENT LENGTH OF REINFORCING BAR IN CONCRETE
 - Ldh = HOOKED BAR TENSION DEVELOPMENT LENGTH OF REINFORCING BAR IN CONCRETE
 - Ls = LAP SPlice LENGTH OF REINFORCING BAR IN CONCRETE
 - Lsc = COMPRESSION LAP SPlice LENGTH OF REINFORCING BAR IN CONCRETE
 - Ls-CMU = TENSION DEVELOPMENT LENGTH OF REINFORCING BAR IN GROUDED CMU
 - Ls-CMU = LAP SPlice LENGTH OF REINFORCING BAR IN GROUDED CMU
 - LDH = LONG DIMENSION HORIZONTAL
 - LLH = LONG LEG HORIZONTAL
 - LLV = LONG LEG VERTICAL
 - LSL = LONG SLOTTED HOLE
 - MJC = MASONRY CONTROL JOINT
 - MFR = MANUFACTURER
 - NS = NEAR SIDE
 - OC = ON CENTER
 - ORNG = OPENING
 - PAP = POWDER ACTUATED FASTENER
 - PJP = PARTIAL-JOINT-PENETRATION
 - PL = PLATE
 - PSL = PARALLEL STRAND LUMBER
 - PT = PRESSURE TREATED
 - PJT = POST TENSION
 - RD = ROOF DRAIN
 - REIN = REINFORCING
 - RTU = ROOF TOP UNIT
 - SIS = SELF DRILLING SCREWS
 - SIM = SIMILAR
 - SL = STEEP LEDE
 - SFA = SPACES OR SPACES
 - STIFF = STIFFENER
 - STL = STEEL
 - STW = STEEP TOP OF WALL
 - TJ = TOP OF
 - UNO = UNLESS NOTED OTHERWISE
 - VB = VERTICAL BRACING
 - VERT = VERTICAL
 - VIF = VERIFY IN FIELD
 - W = WITH
 - WP = WORK POINT

LEGEND

SYMBOL	DESCRIPTION	REFERENCE
(n)	NEW COLUMN LINE DESIGNATION	
(n)	EXISTING COLUMN LINE DESIGNATION	
+	ELEVATION INDICATION	

EMERSON DESIGN ARCHITECTURE INTERIORS PLANNING ENGINEERING

EMERSON DESIGN ARCHITECTURE 3100 CULBERT STREET SUITE 100 CINCINNATI, OHIO 45262 513.841.9389 emersondesign.com

CLARK STATE COLLEGE RHODES HALL RENOVATIONS PHASE 4 570 LEFFEL LANE SPRINGFIELD, OH 45505 03-15-2023

SPECIAL INSPECTIONS, ABBREVIATIONS, AND LEGEND

SHEET IDENTIFICATION S-002

ISSUED FOR PERMIT/BID - MARCH 13, 2023

A
B
C
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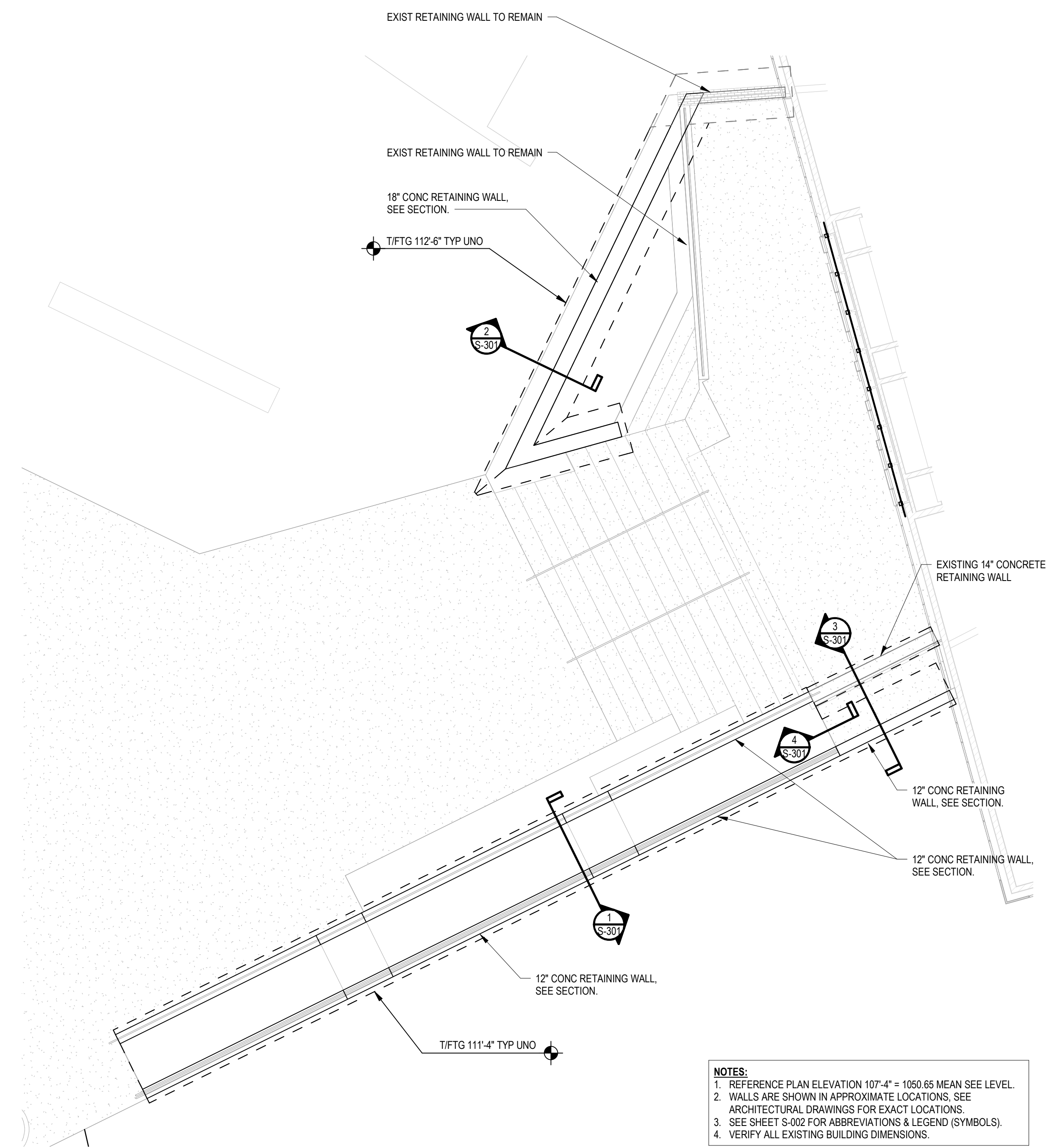
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9

10

11

12



- NOTES:**
- REFERENCE PLAN ELEVATION 107'-4" = 1050.65 MEAN SEE LEVEL.
 - WALLS ARE SHOWN IN APPROXIMATE LOCATIONS, SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS.
 - SEE SHEET S-002 FOR ABBREVIATIONS & LEGEND (SYMBOLS).
 - VERIFY ALL EXISTING BUILDING DIMENSIONS.

PLAZA FOUNDATION PLAN
1/8" = 1'-0"

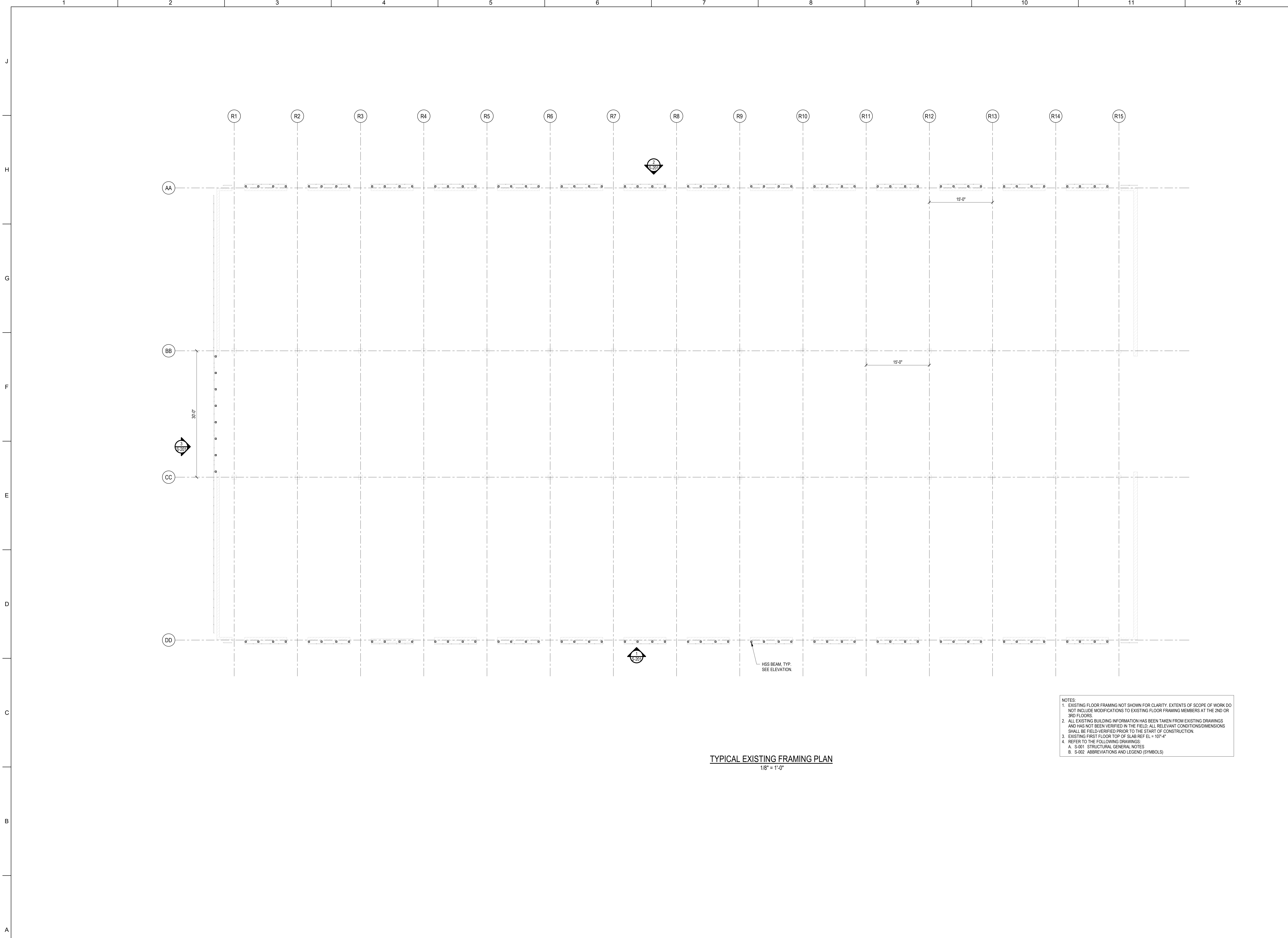
MARK	DESCRIPTION	DATE

CLARK STATE COLLEGE RHODES HALL RENOVATIONS
PHASE 4
570 LEFFEL LANE
SPRINGFIELD, OH 45505
PLAZA PLAN

DESIGNED BY: DATE: 03/13/2023
MARK PROJECT NO.: 202201
DRAWN BY: CHECKED BY: PROJECT MANAGER: FILE NAME:
S. SHARALL 18" x 11" 30x42

STATE OF OHIO
DOUTLAS R. STEINLE
E-66541
PROFESSIONAL ENGINEER
03-13-2023

SHEET IDENTIFICATION
S-100



TYPICAL EXISTING FRAMING PLAN
1/8" = 1'-0"

- NOTES:
- EXISTING FLOOR FRAMING NOT SHOWN FOR CLARITY. EXTENTS OF SCOPE OF WORK DO NOT INCLUDE MODIFICATIONS TO EXISTING FLOOR FRAMING MEMBERS AT THE 2ND OR 3RD FLOORS.
 - ALL EXISTING BUILDING INFORMATION HAS BEEN TAKEN FROM EXISTING DRAWINGS AND HAS NOT BEEN VERIFIED IN THE FIELD. ALL RELEVANT CONDITIONS/DIMENSIONS SHALL BE FIELD-VERIFIED PRIOR TO THE START OF CONSTRUCTION.
 - EXISTING FIRST FLOOR TOP OF SLAB REF EL = 107'-4"
 - REFER TO THE FOLLOWING DRAWINGS:
A. S-01 STRUCTURAL GENERAL NOTES
B. S-002 ABBREVIATIONS AND LEGEND (SYMBOLS)

BCI
IT CONSULTING

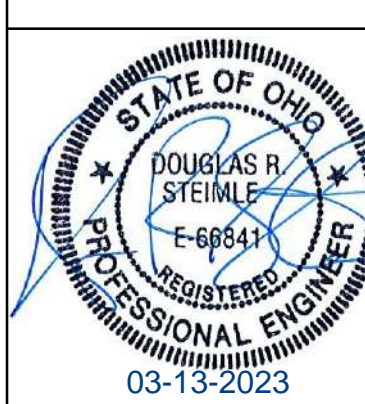
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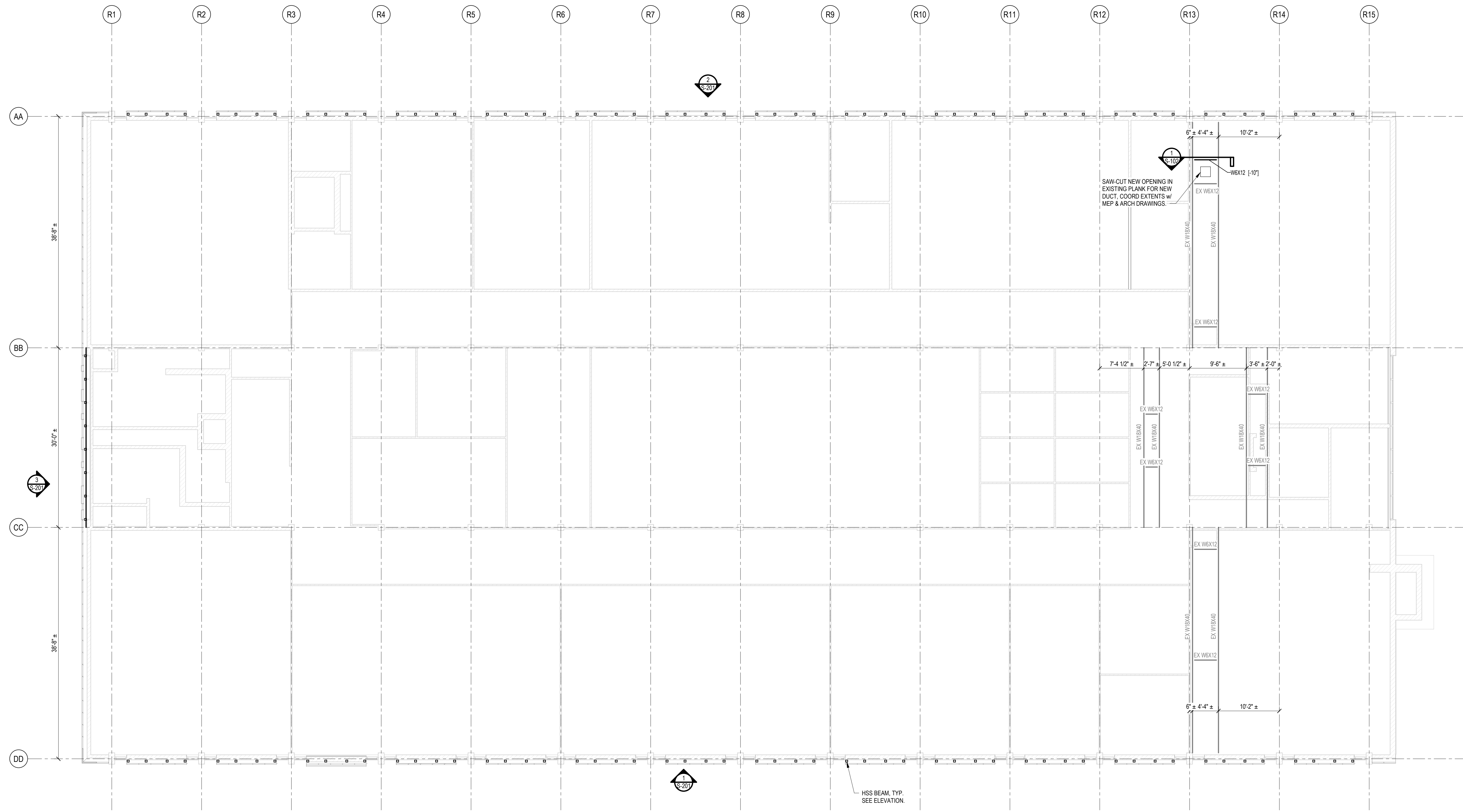
EMERSON DESIGN
ARCHITECTURE 300 CULVERT STREET SUITE 100
CINCINNATI, OHIO 45202
INTERIORS
SUSTAINABILITY
PLANNING
ENGINEERING
emersondesign.com

DESIGNED BY:	DATE:	PROJECT NO.:	DESCRIPTION:
MARK	03/13/2023	252201	
DRAWN BY:	CHECKED BY:	PROJECT MANAGER:	
S. KUMAR	C. SCHAEFER		
SHEET SIZE:	PLLOT SCALE:	FILE NAME:	
30x42	1/8" = 1'-0"		

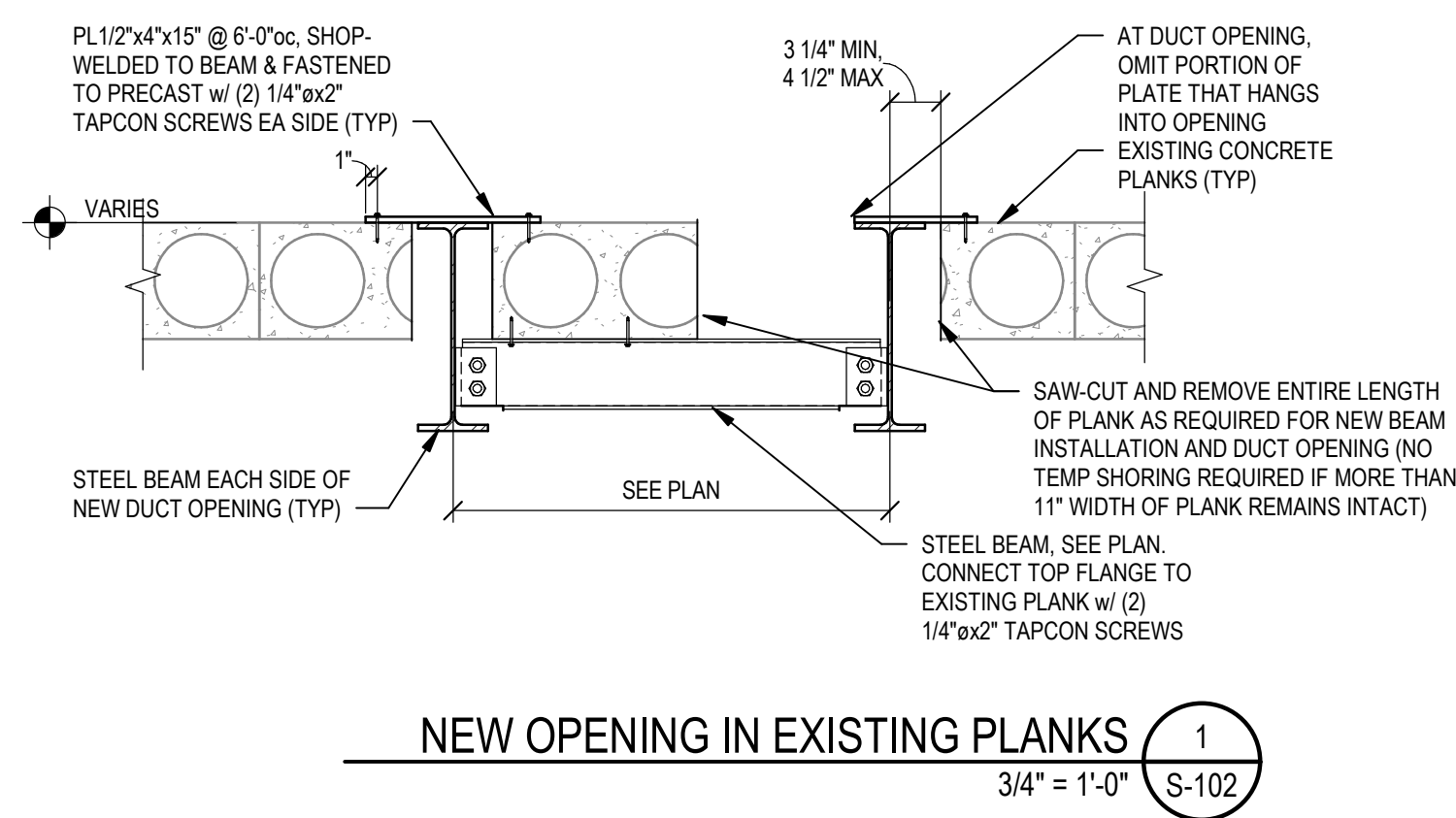
CLARK STATE COLLEGE RHODES HALL RENOVATIONS
PHASE 4
570 LEFFEL LANE
SPRINGFIELD, OH 45505
FRAMING PLAN





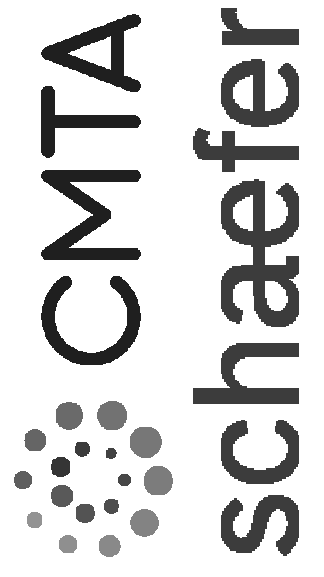
SHEET IDENTIFICATION
S-101



EXISTING ROOF FRAMING PLAN
1/8" = 1'-0"



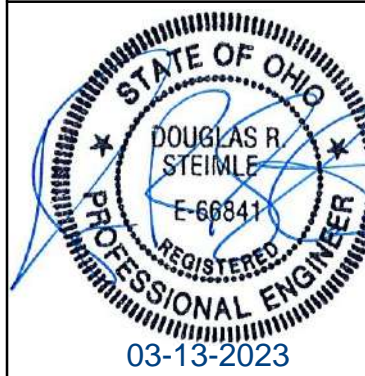
- NOTES:
1. ALL EXISTING BUILDING INFORMATION HAS BEEN TAKEN FROM EXISTING DRAWINGS AND HAS NOT BEEN VERIFIED IN THE FIELD. ALL RELEVANT CONDITIONS/DIMENSIONS SHALL BE FIELD-VERIFIED PRIOR TO THE START OF CONSTRUCTION.
 2. TOP OF EXISTING CONCRETE BEAMS & PRECAST PLANK BEARING EL = 144'-1" AT COLUMN LINES B & C AND EL = 144'-8" AT COLUMN LINES A & D. EXISTING FIRST FLOOR TOP OF SLAB REF EL = 107'-4".
 3. (h*) INDICATES TOP OF STEEL ELEVATION RELATIVE TO THE REFERENCE ELEVATION. (h*) INDICATES TOP OF STEEL ELEVATION RELATIVE TO THE SUPPORTING MEMBER. TOPS OF ALL SUPPORTED STEEL FRAMING SHALL BE FLUSH WITH SUPPORTING MEMBERS UNLESS NOTED OTHERWISE.
 4. DOORS & WINDOWS ARE SHOWN IN APPROXIMATE LOCATIONS. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS.
 5. REFER TO THE FOLLOWING DRAWINGS:
A. S-001 STRUCTURAL GENERAL NOTES
B. S-002 ABBREVIATIONS AND LEGEND (SYMBOLS)

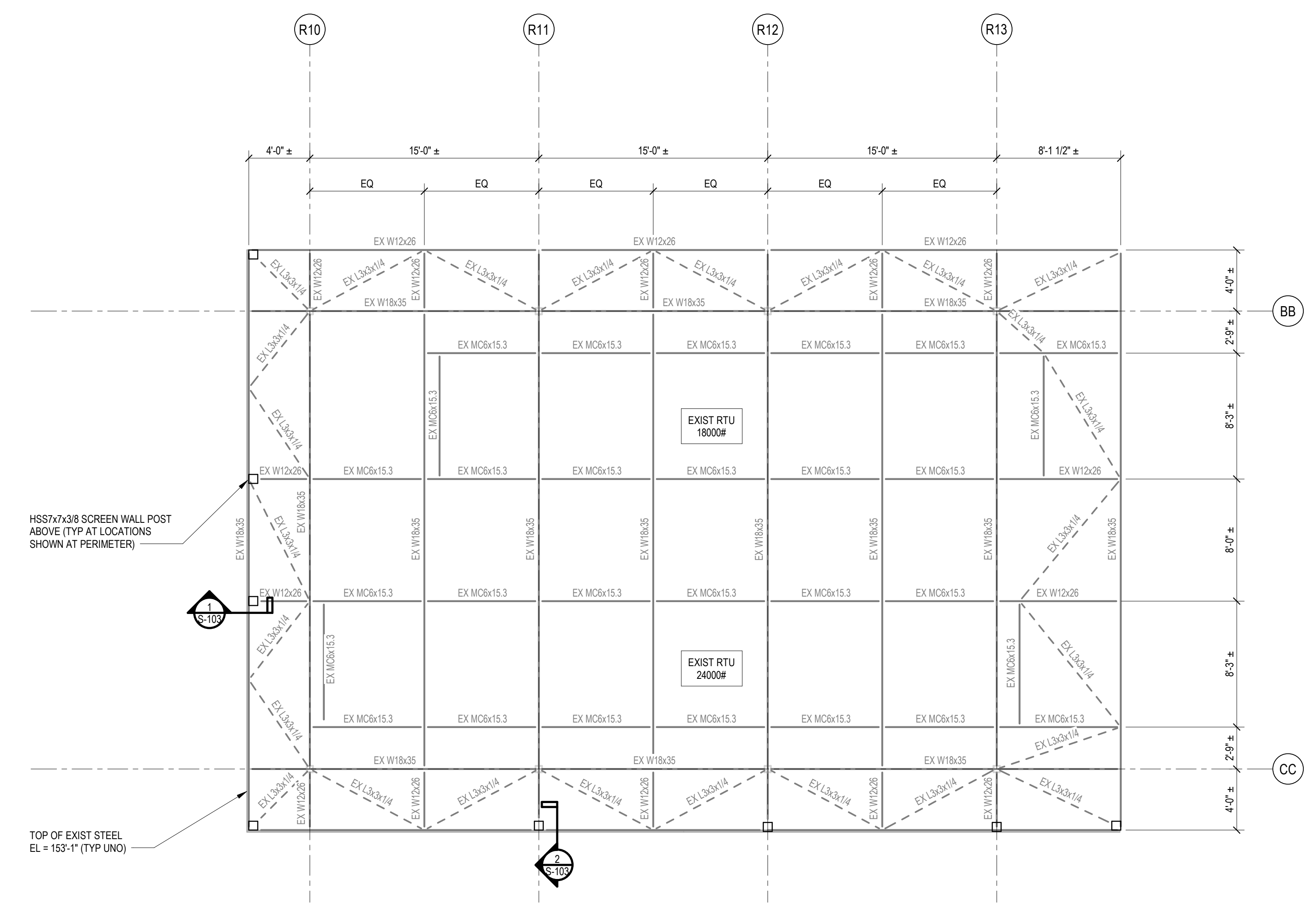
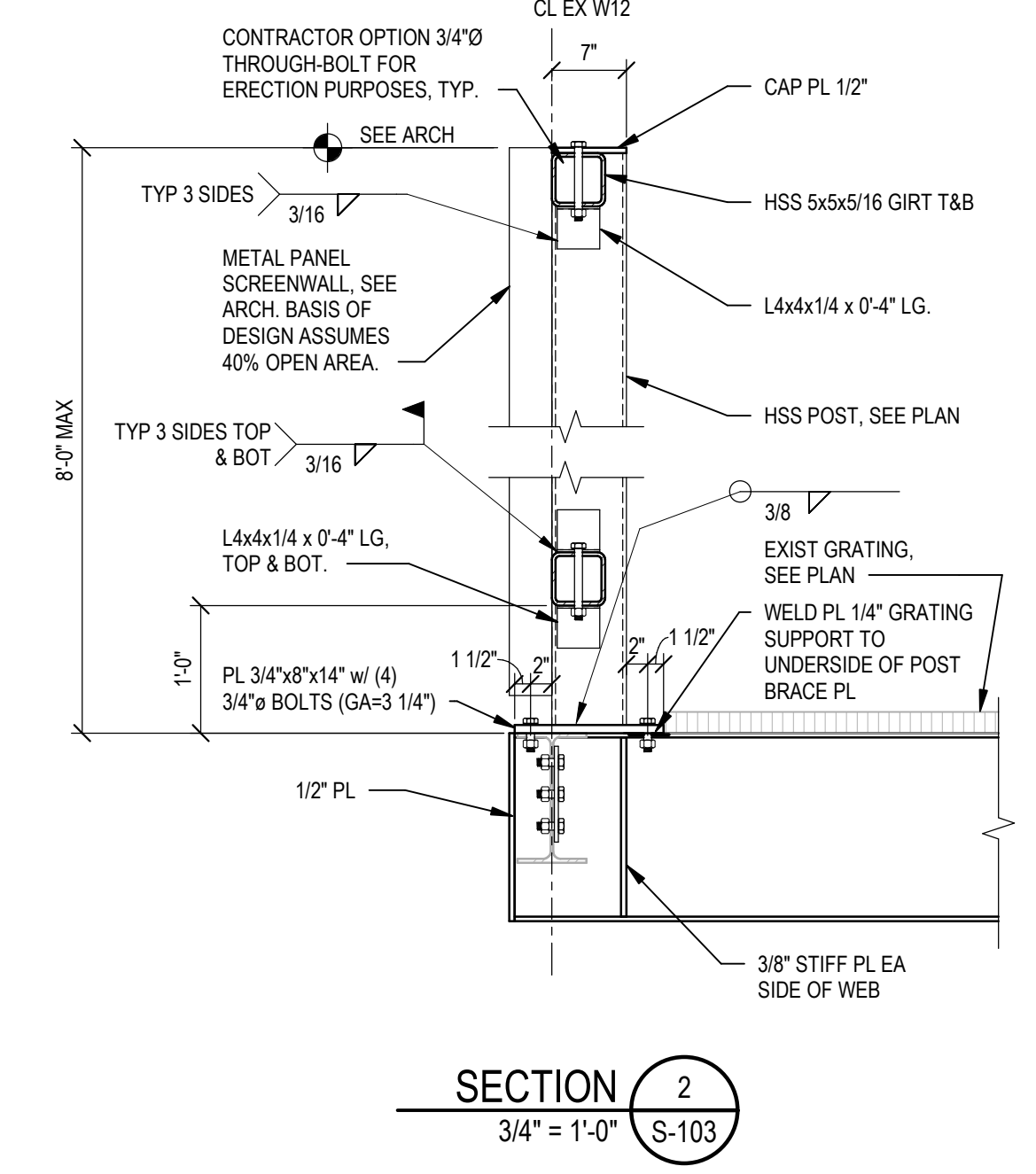
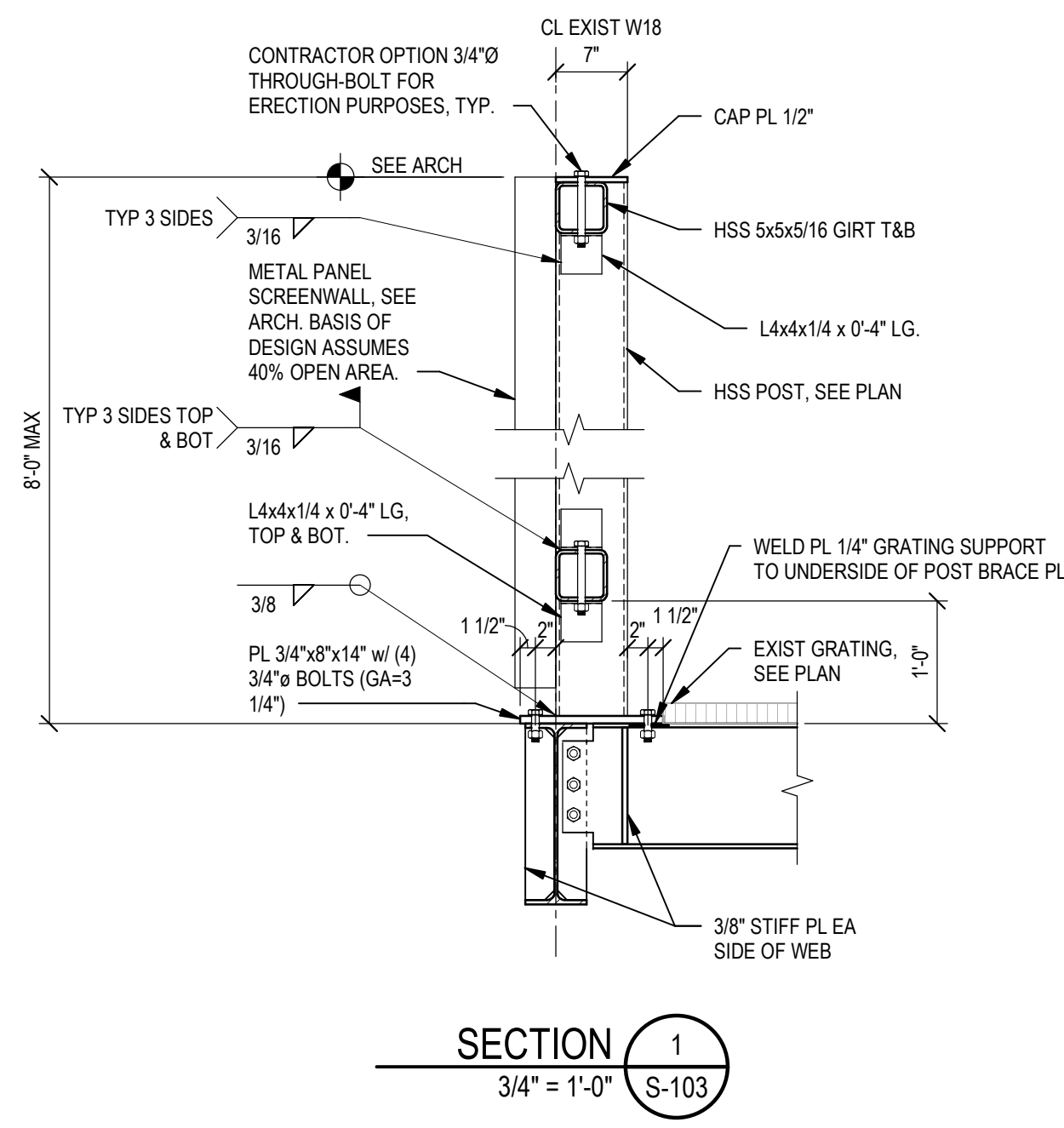
EMERSON DESIGN
 ARCHITECTURE emerson DESIGN LLC
 INTERIORS 308 Culvert Street Suite 109
 SUSTAINABILITY Cincinnati, Ohio 45202
 PLANNING 513 841 9388
 ENGINEERING emersondesign.com

DESIGNED BY:	DATE:	PROJECT NO.:	DESCRIPTION:	MARK:	DATE:
MARK	03/13/2023	252201			
DRAWN BY:	CHECKED BY:	PROJECT MANAGER:			
S. KIBBALL	C. BAKER				
SHEET NO.:	PLAT SCALE:	FILE NAME:			
3042	As indicated				

CLARK STATE COLLEGE RHODES HALL RENOVATIONS
 PHASE 4
 570 LEPFEL LANE
 SPRINGFIELD, OH 45505
 ROOF FRAMING PLAN



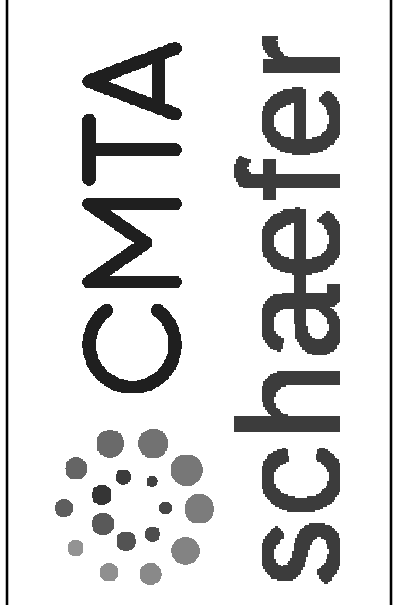
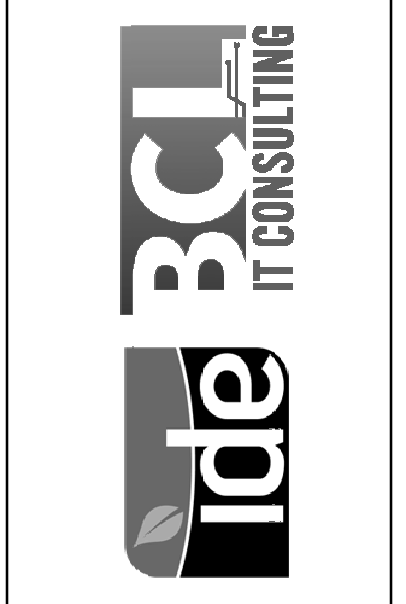
SHEET IDENTIFICATION
S-102



ALL SCREEN WALL STEEL SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION

- NOTES:**
1. ALL EXISTING BUILDING INFORMATION HAS BEEN TAKEN FROM EXISTING DRAWINGS AND HAS NOT BEEN VERIFIED IN THE FIELD. ALL RELEVANT CONDITIONS/DIMENSIONS SHALL BE FIELD-VERIFIED PRIOR TO THE START OF CONSTRUCTION.
 2. EXISTING FIRST FLOOR TOP OF SLAB REF EL = 107'-4"
 3. REFER TO THE FOLLOWING DRAWINGS:
 - A. S-001 STRUCTURAL GENERAL NOTES
 - B. S-002 ABBREVIATIONS AND LEGEND (SYMBOLS)

PLATFORM FRAMING PLAN
3/16" = 1'-0"

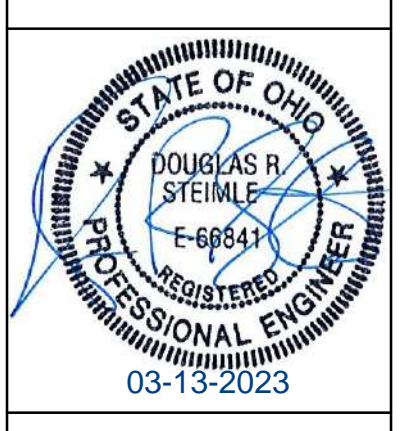


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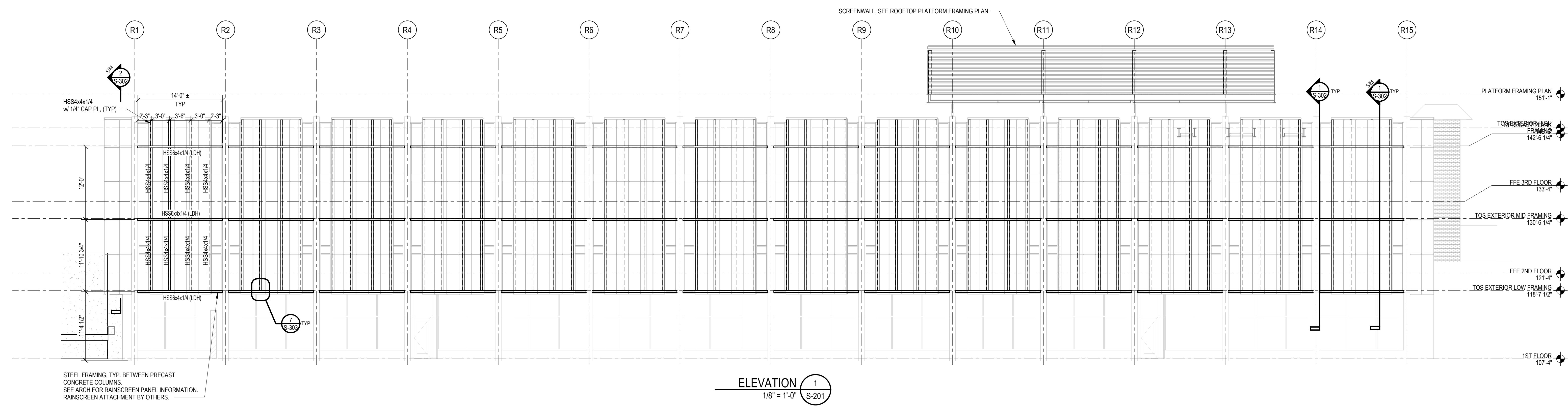
DATE	DESCRIPTION

DESIGNED BY: MARK	DATE: 03/13/2023
DRAWN BY: S. KUMAR	PROJECT NO.: 202201
CHECKED BY: S. KUMAR	PROJECT MANAGER:
FILE NAME:	PLAT SCALE: As indicated
	SHEET SIZE: 30x42

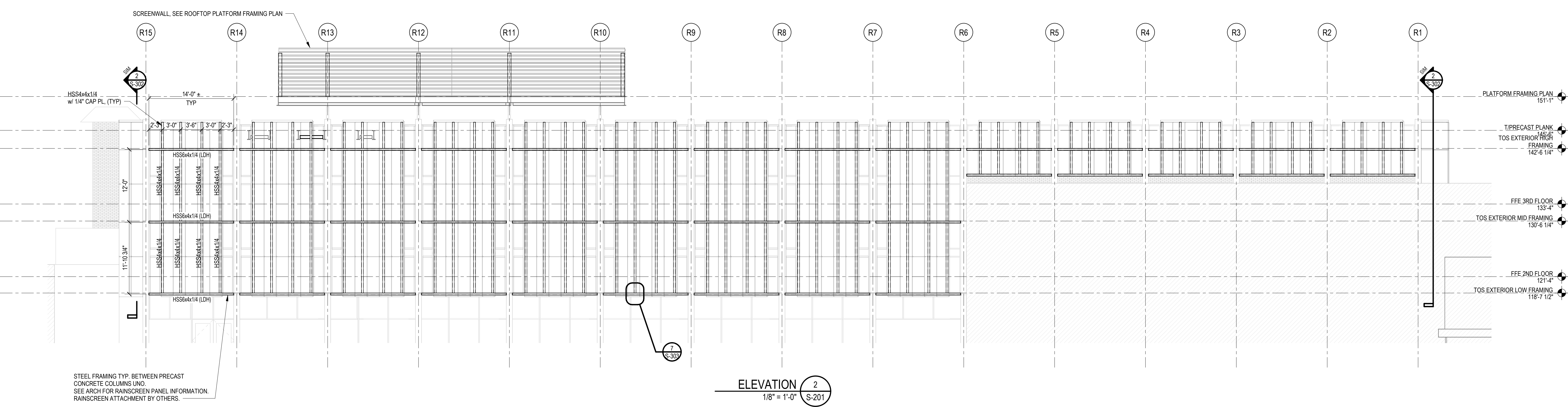
CLARK STATE COLLEGE RHODES HALL RENOVATIONS
PHASE 4
570 LEFFEL LANE
SPRINGFIELD, OH 45505
PLATFORM FRAMING PLAN & DETAILS



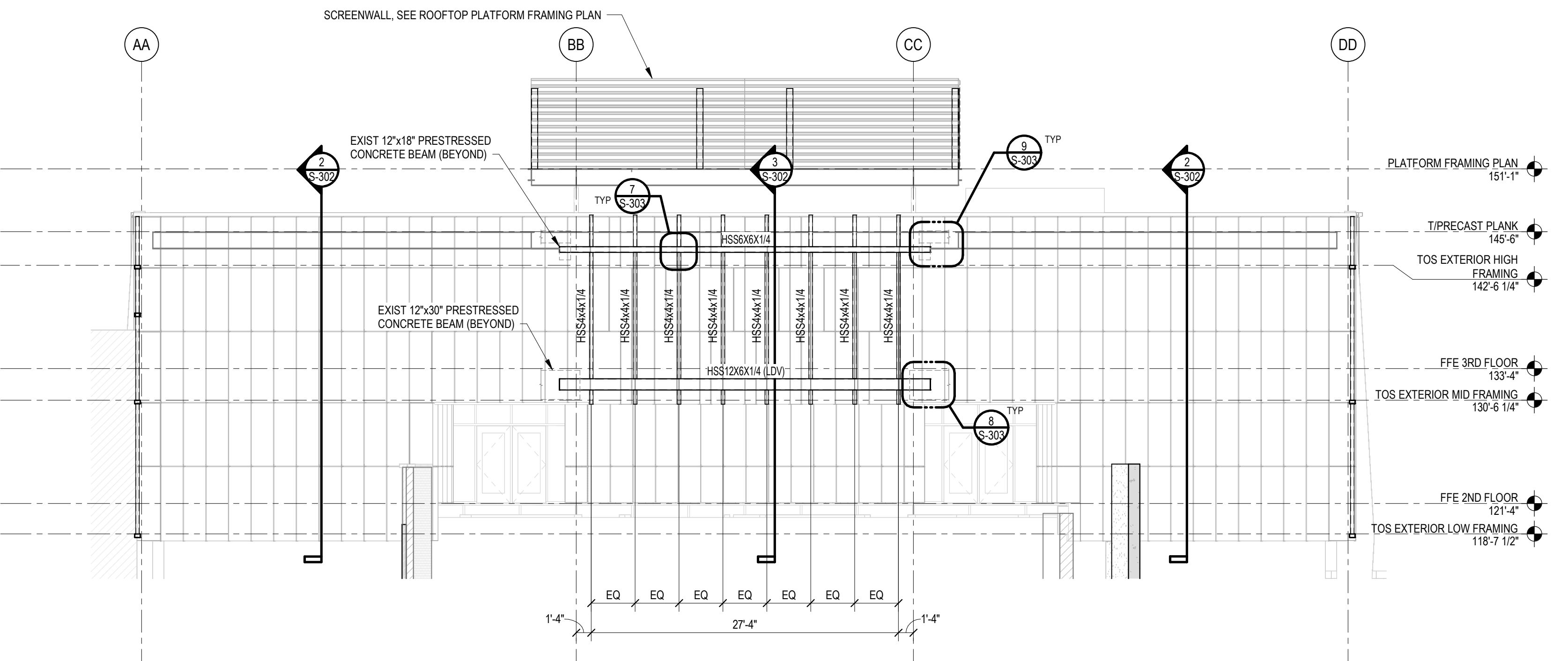
SHEET IDENTIFICATION
S-103



ELEVATION 1
1/8" = 1'-0" S-201



ELEVATION 2
1/8" = 1'-0" S-201



ELEVATION 3
1/8" = 1'-0" S-201

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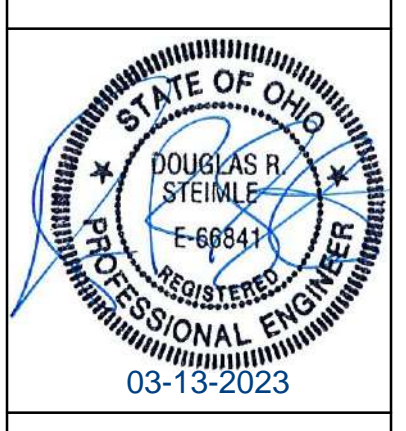
CMTA
schaefter

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ENGINEERING

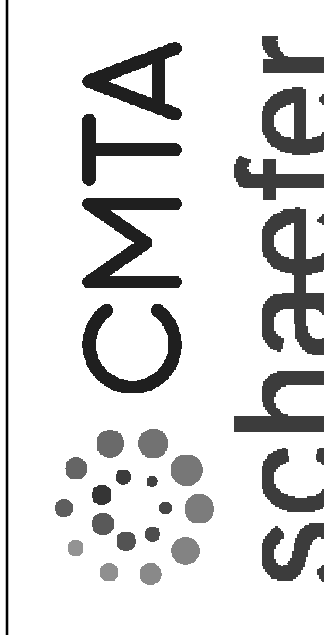
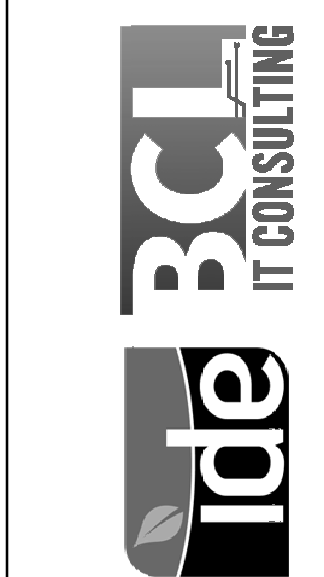
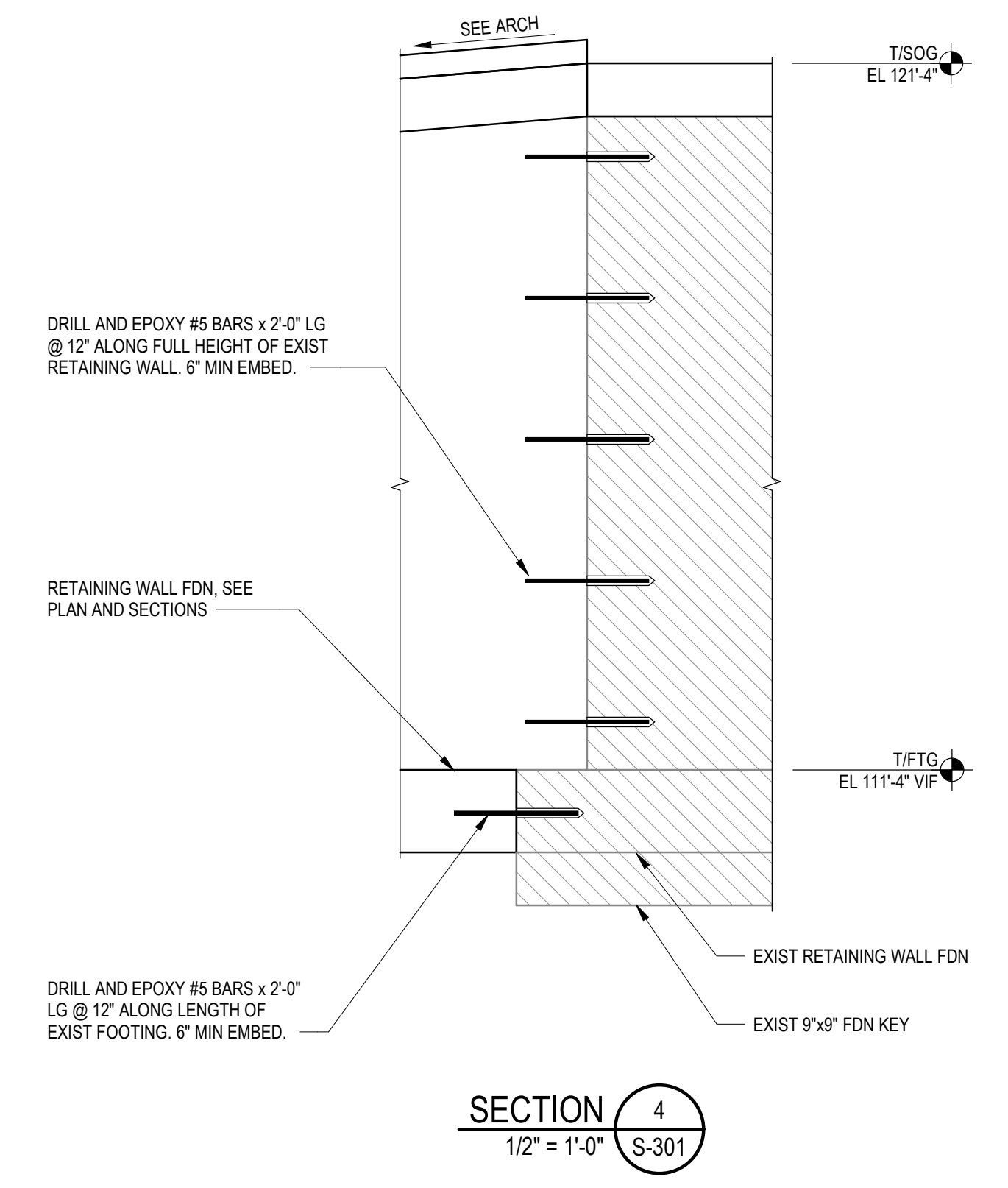
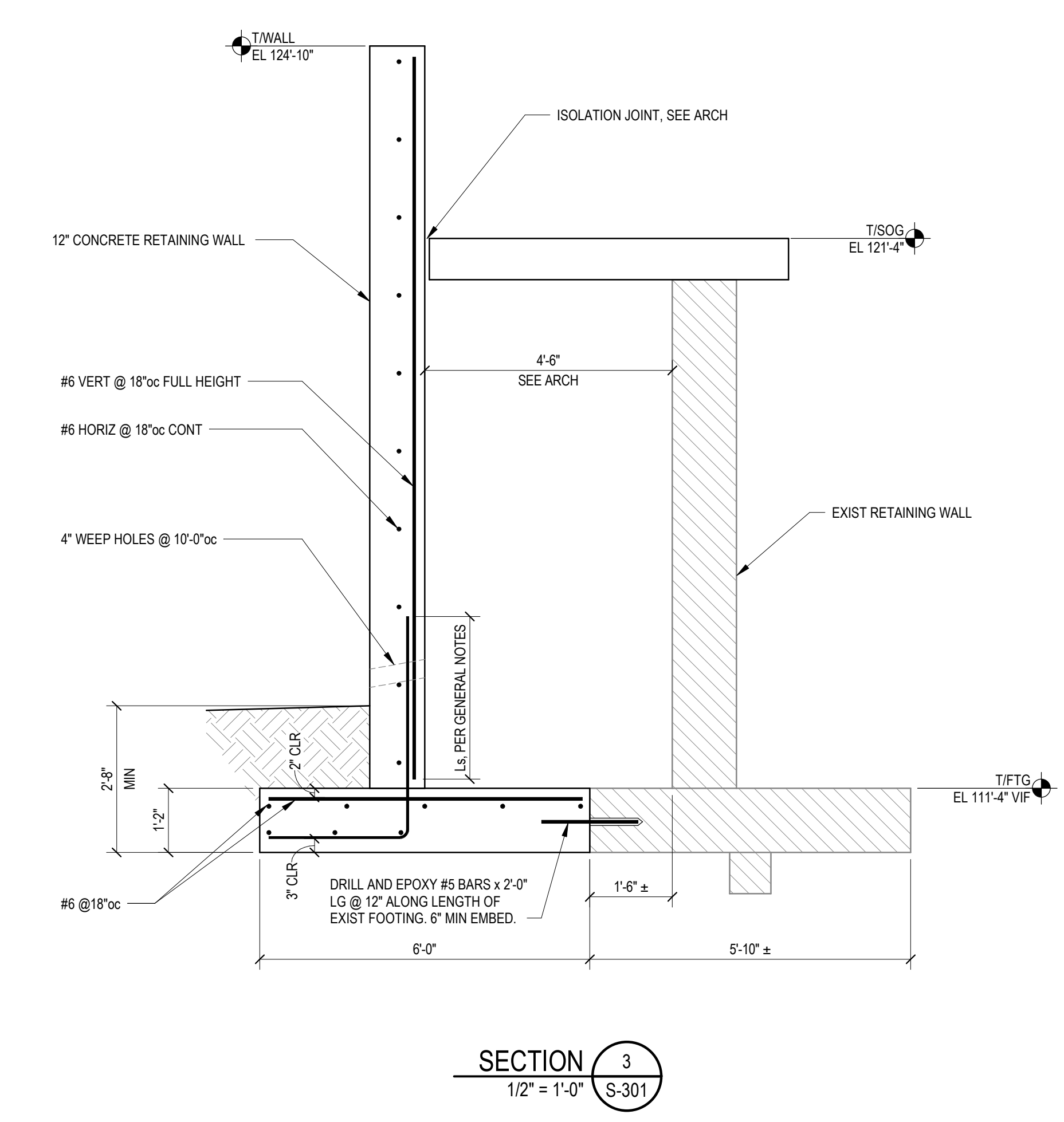
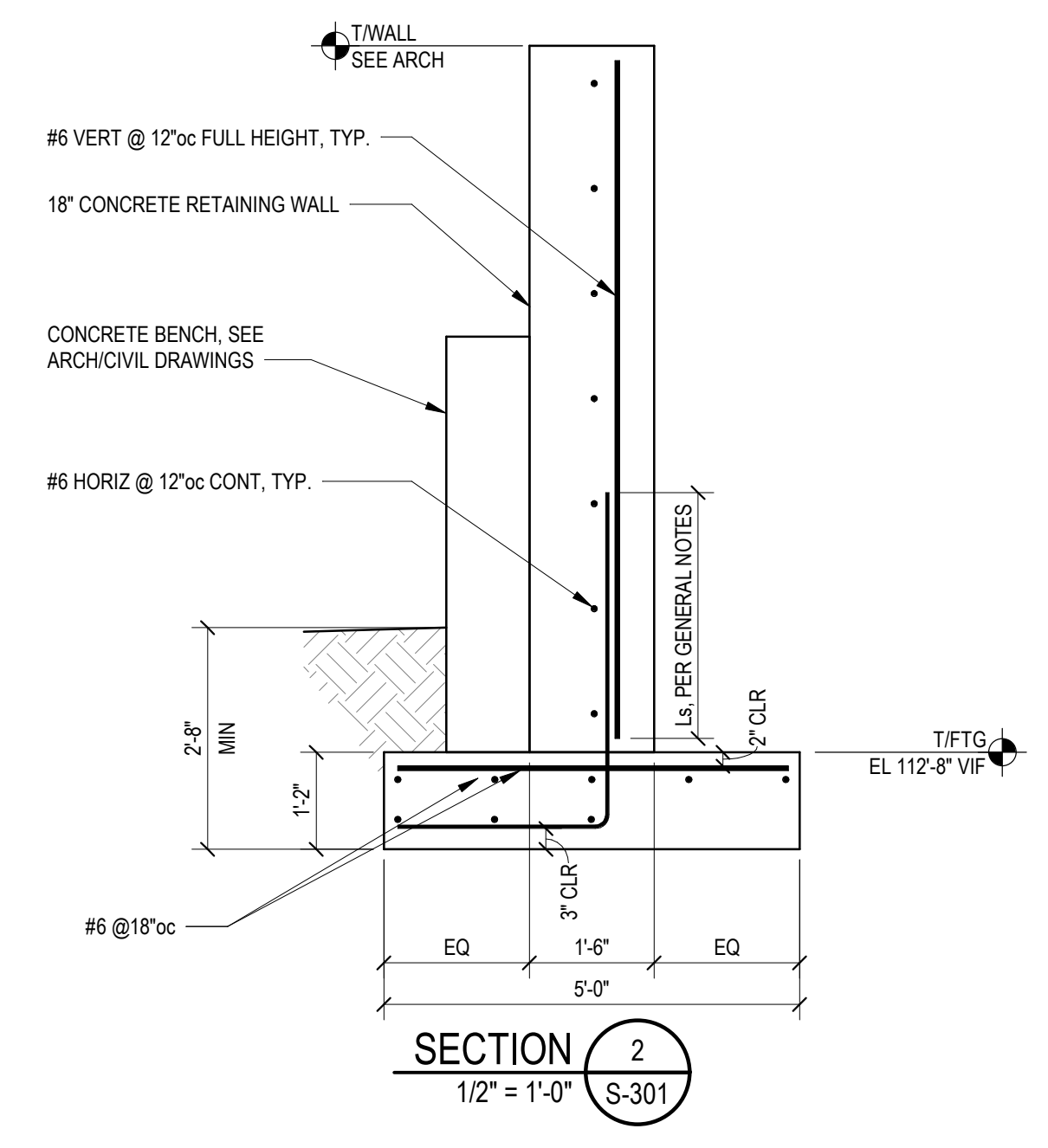
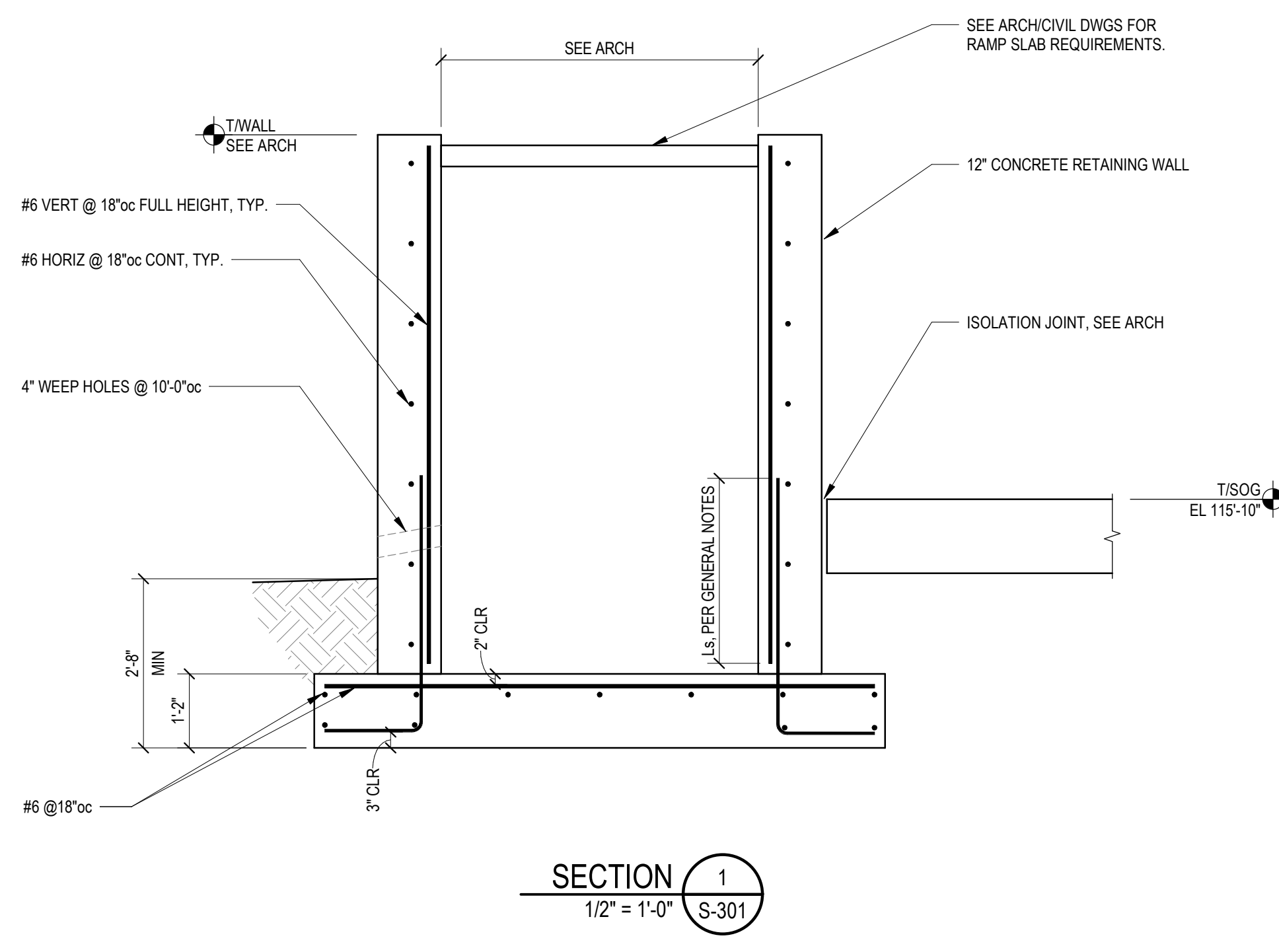
emerson design llc
300 Culvert Street Suite 100
Cincinnati, Ohio 45202
513.841.9389
emersondesign.com

DATE	DESCRIPTION	MARK
03/13/2023	PROJECT NO. S201	
DESIGNED BY: S. KUMAR	CHECKED BY: C. CHEN	
DRAWN BY: S. KUMAR	PROJECT MANAGER: S. KUMAR	
SHEET SIZE: 30x42	PLAT SCALE: 1/8" = 1'-0"	
FILE NAME:		

CLARK STATE COLLEGE RHODES HALL RENOVATIONS
PHASE 4
570 LEFFEL LANE
SPRINGFIELD, OH 45505
FRAMING ELEVATIONS



SHEET IDENTIFICATION
S-201

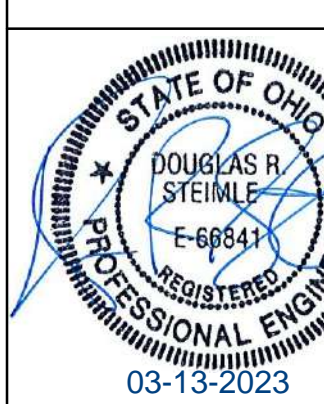


EMERSON DESIGN
 ARCHITECTURE | 300 Culvert Street Suite 100
 INTERIORS | Cincinnati, Ohio 45202
 SUSTAINABILITY | PLANNING | 513.841.5089
 ENGINEERING | emersondesign.com

MARK	DESCRIPTION	DATE

DESIGNED BY: MARK	DATE: 03/13/2023	PROJECT NO.:	252201
DRAWN BY: S. MURRAY	CHECKED BY: C. COOPER	CONTRACT MANAGER:	
30442	FILE NAME:		
		SHEET SIZE:	10' x 10'
		PLAT SCALE:	1/2" = 1'-0"

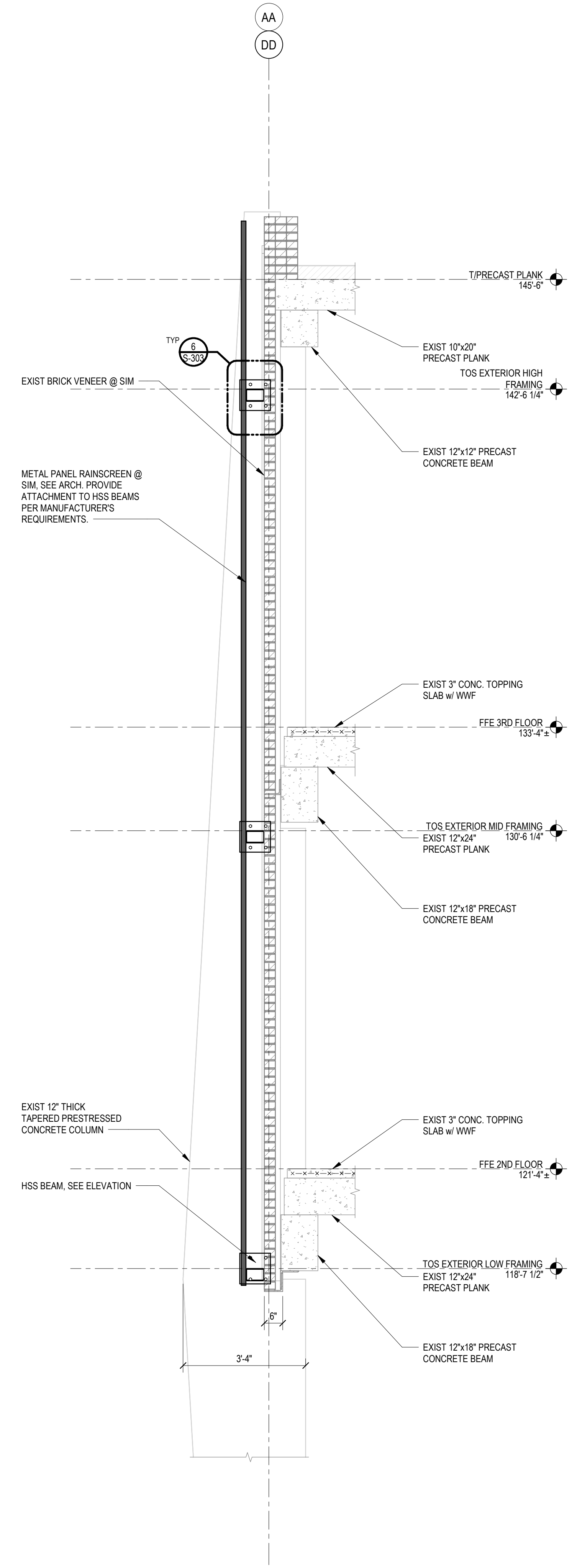
CLARK STATE COLLEGE RHODES HALL RENOVATIONS
 PHASE 4
 570 LEFFEL LANE
 SPRINGFIELD, OH 45505
PLAZA SECTIONS AND DETAILS



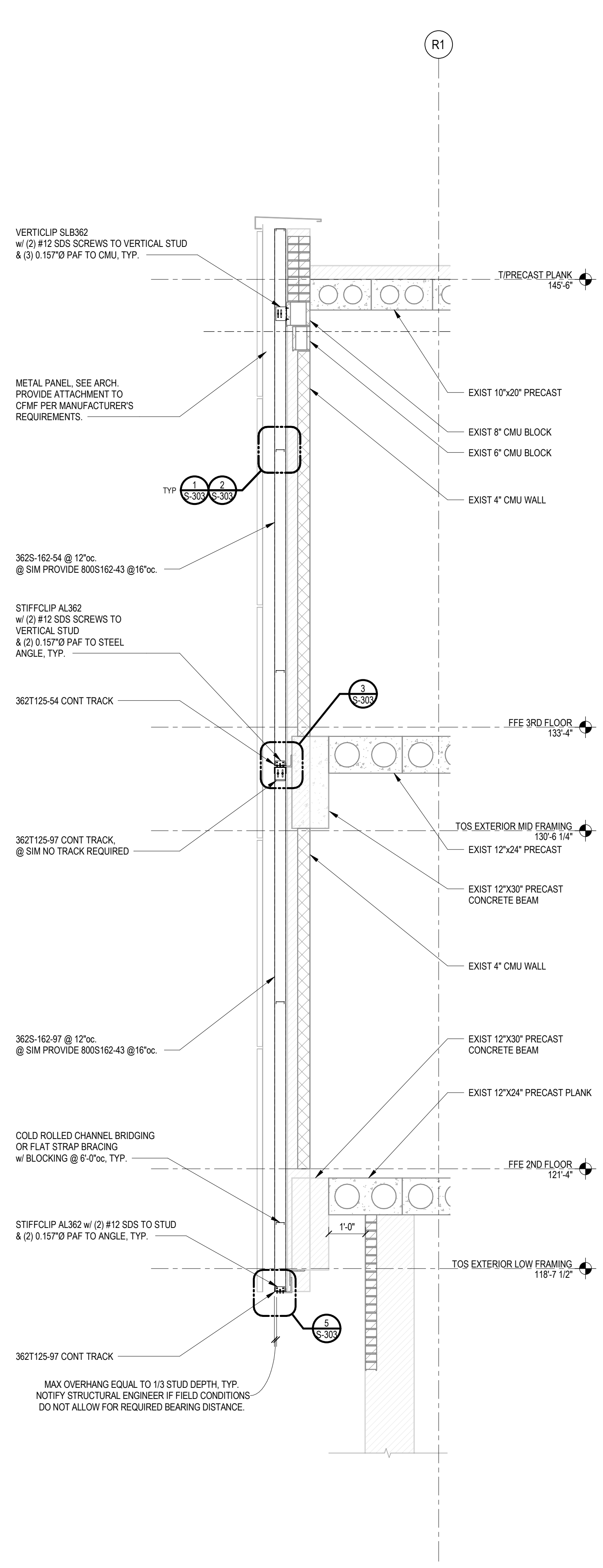
SHEET IDENTIFICATION

S-301

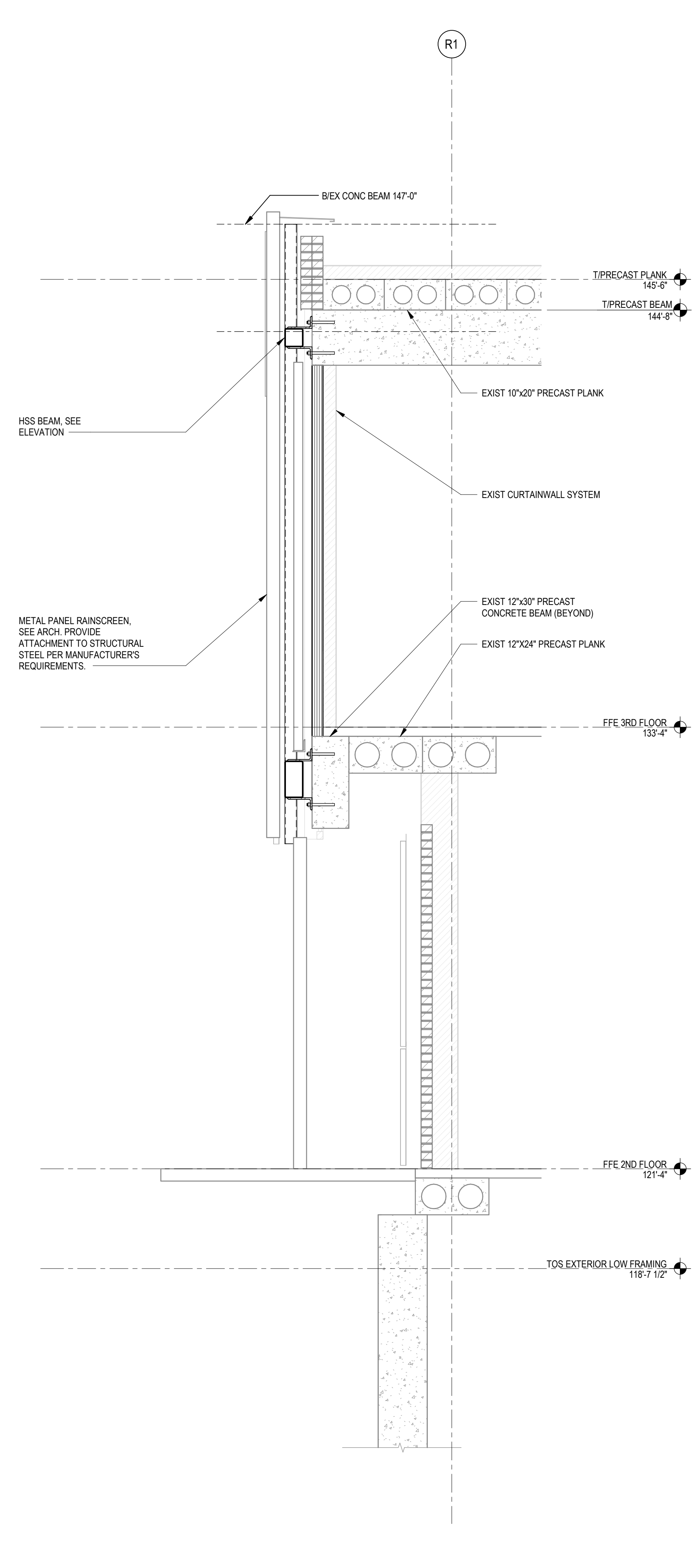
J
H
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A



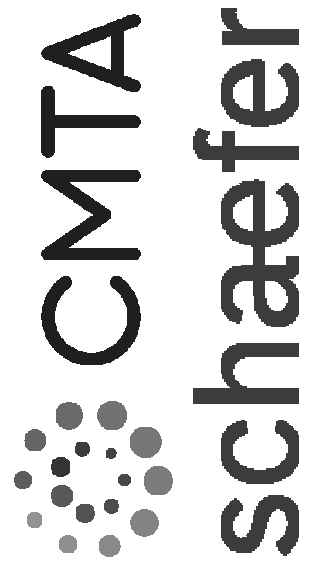
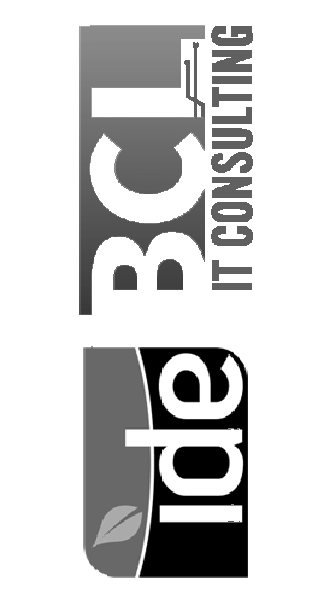
NOTES:
 1. INFORMATION RELATED TO THE EXISTING BUILDING CONSTRUCTION WAS TAKEN FROM ORIGINAL BUILDING DRAWINGS BY W.C. KOENIG & ASSOCIATES DATED MARCH 2, 1987. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND NOTIFY STRUCTURAL ENGINEER OF ANY DISCREPANCIES.
 2. ALL RAIN SCREEN FRAMING STEEL SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION. SEE GENERAL NOTES.



NOTE:
 1. INFORMATION RELATED TO THE EXISTING BUILDING CONSTRUCTION WAS TAKEN FROM ORIGINAL BUILDING DRAWINGS BY W.C. KOENIG & ASSOCIATES DATED MARCH 2, 1987. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND NOTIFY STRUCTURAL ENGINEER OF ANY DISCREPANCIES.



NOTE:
 1. INFORMATION RELATED TO THE EXISTING BUILDING CONSTRUCTION WAS TAKEN FROM ORIGINAL BUILDING DRAWINGS BY W.C. KOENIG & ASSOCIATES DATED MARCH 2, 1987. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND NOTIFY STRUCTURAL ENGINEER OF ANY DISCREPANCIES.

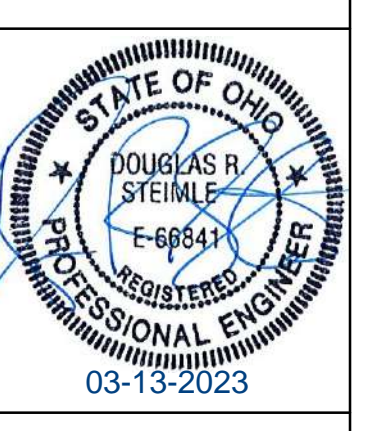


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 ARCHITECTURE emerson design llc
 INTERIORS 308 Culvert Street Suite 109
 SUSTAINABILITY Cincinnati, Ohio 45202
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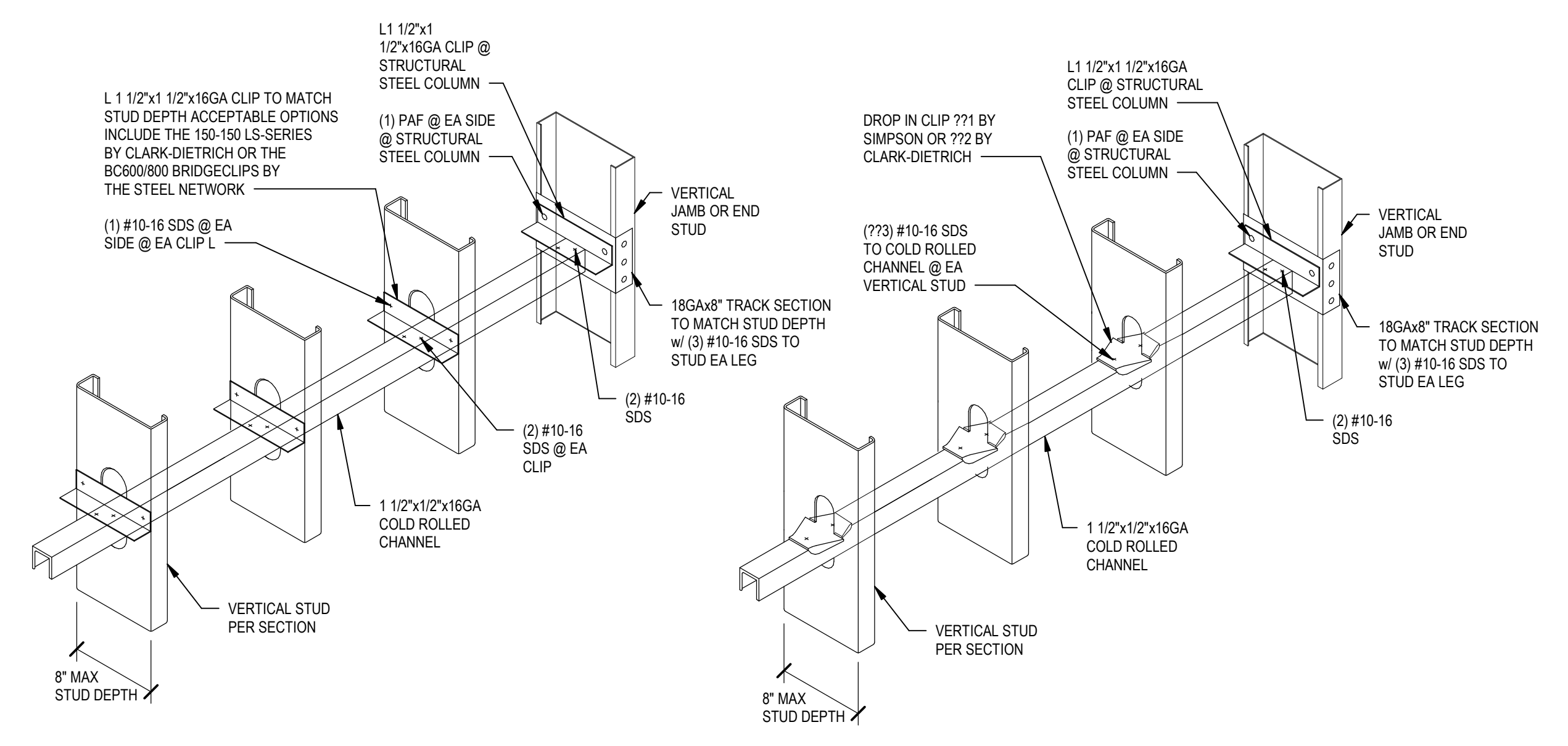
DATE	DESCRIPTION	MARK

DESIGNED BY: MARK	CHECKED BY: Crosby	DATE: 03/13/2023
DRAWN BY: S. UMHALL	PROJECT MANAGER: S. UMHALL	PROJECT NO.: 202201
SHEET SIZE: 30x42	FILE NAME:	PLAT SCALE: 1/2" = 1'-0"

CLARK STATE COLLEGE RHODES HALL RENOVATIONS
 PHASE 4
 570 LEFFEL LANE
 SPRINGFIELD, OH 45505
 FRAMING SECTIONS



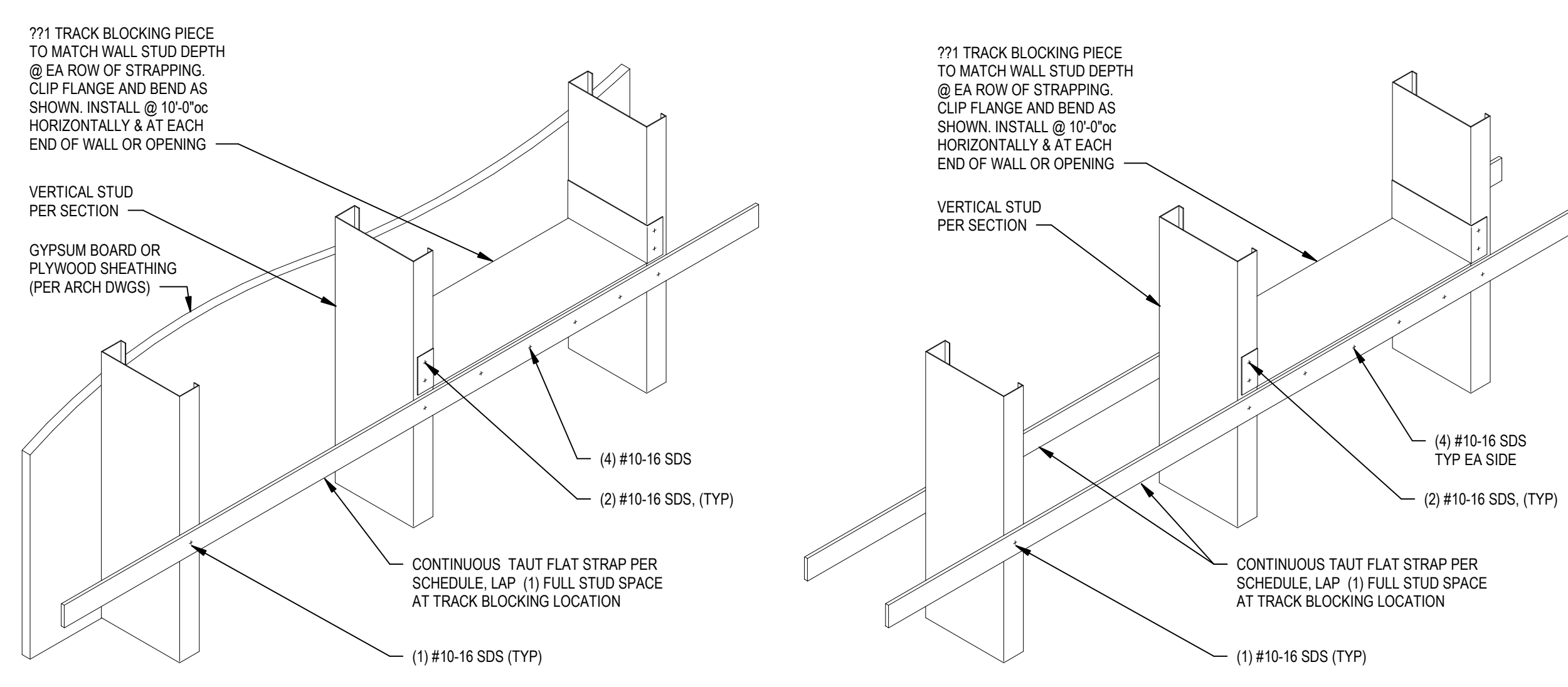
SHEET IDENTIFICATION
 S-302



COLD ROLLED CHANNEL OPTION

COLD ROLLED CHANNEL w/ DROP-IN CLIP OPTION

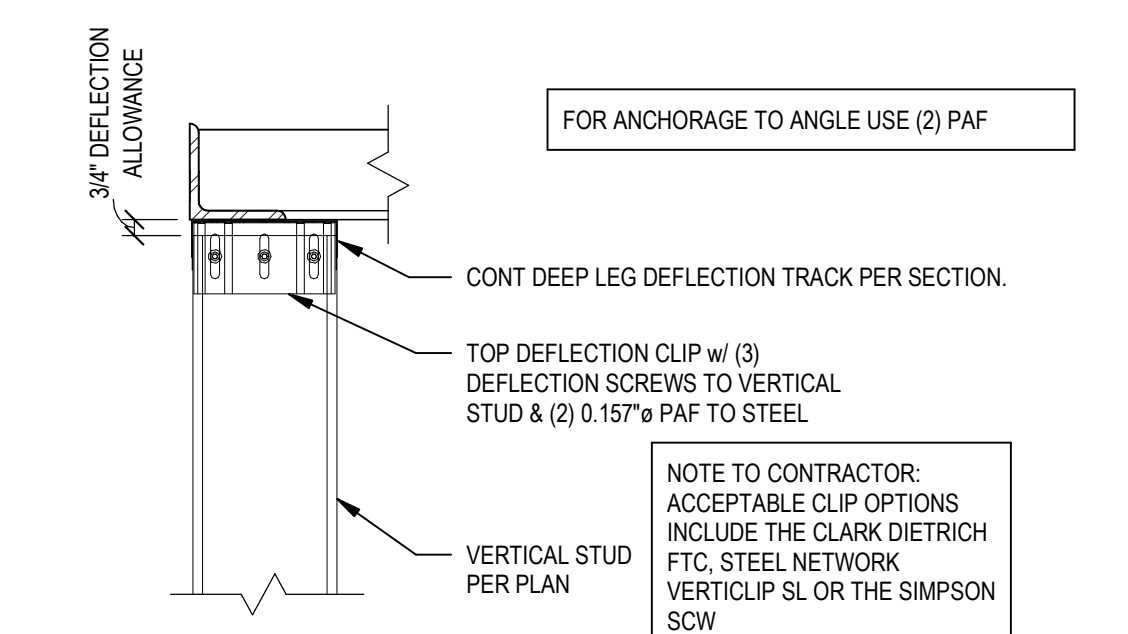
COLD ROLLED CHANNEL BRIDGING DETAILS @ NON-LOAD BEARING WALLS
1 1/2" = 1'-0" S-303



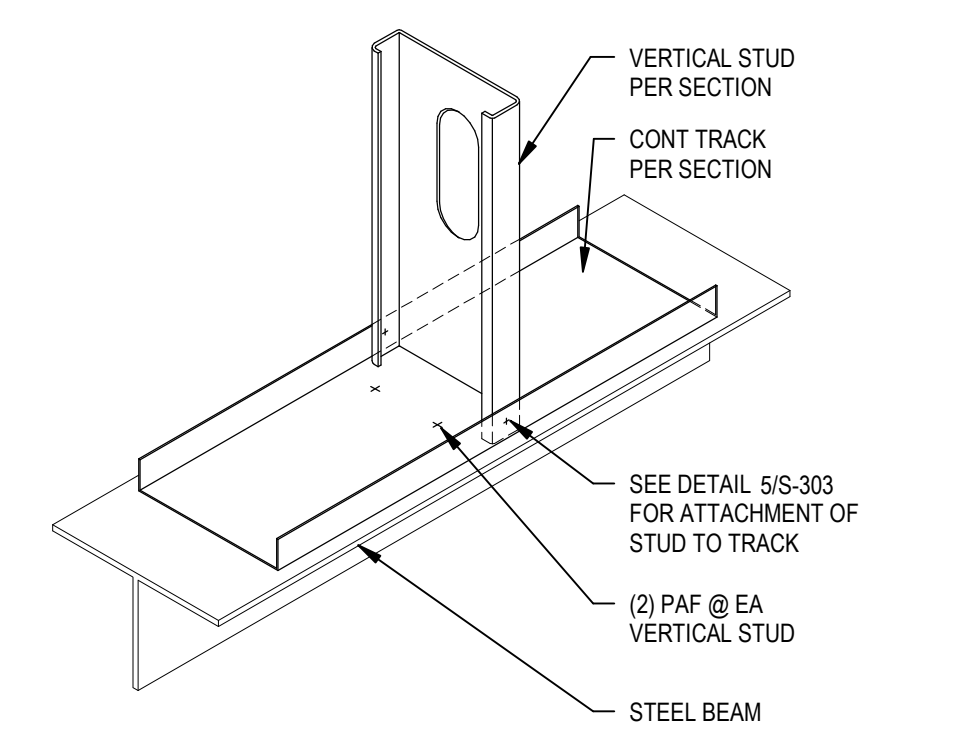
SINGLE SIDED STRAP BRACING
NOTE: SINGLE SIDED STRAP BRACING MAY BE USED WHEN ONE SIDE OF THE WALL IS SHEATHED FULL HEIGHT

DOUBLE SIDED STRAP BRACING
NOTE: DOUBLE SIDED STRAP BRACING IS REQUIRED WHEN BOTH SIDES OF THE WALL ARE UNSHEATHED

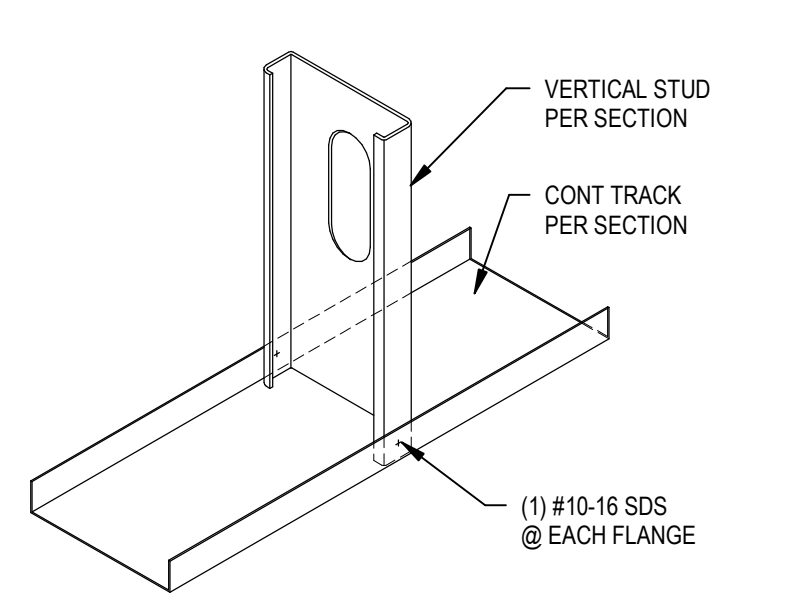
FLAT STRAP BRACING w/ BLOCKING DETAILS
1 1/2" = 1'-0" S-303



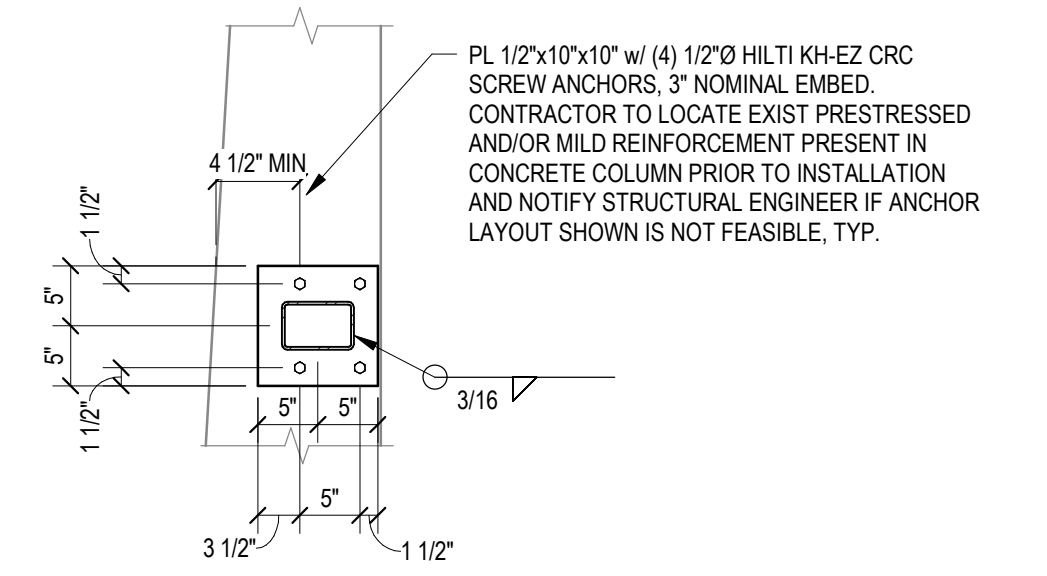
TYPICAL TOP DEFLECTION CLIP @ HEAD OF STUD
1 1/2" = 1'-0" S-303



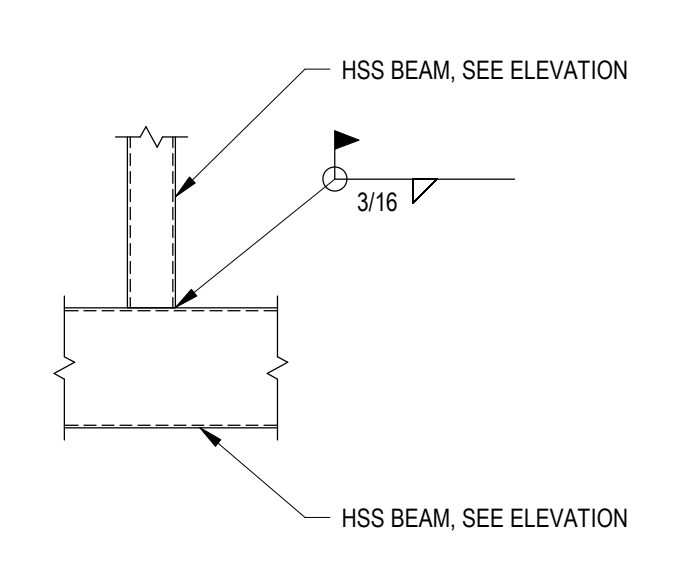
BASE DETAIL @ STRUCTURAL STEEL
1 1/2" = 1'-0" S-303



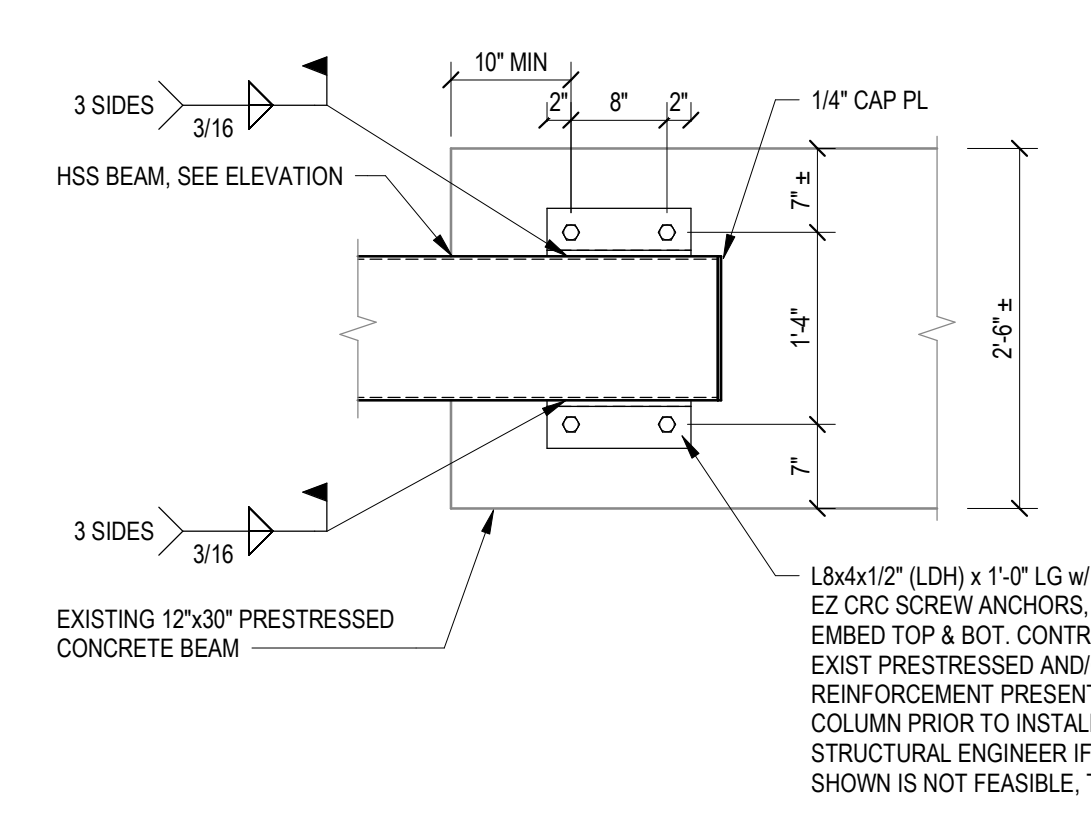
STUD TO TRACK CONNECTION
1 1/2" = 1'-0" S-303



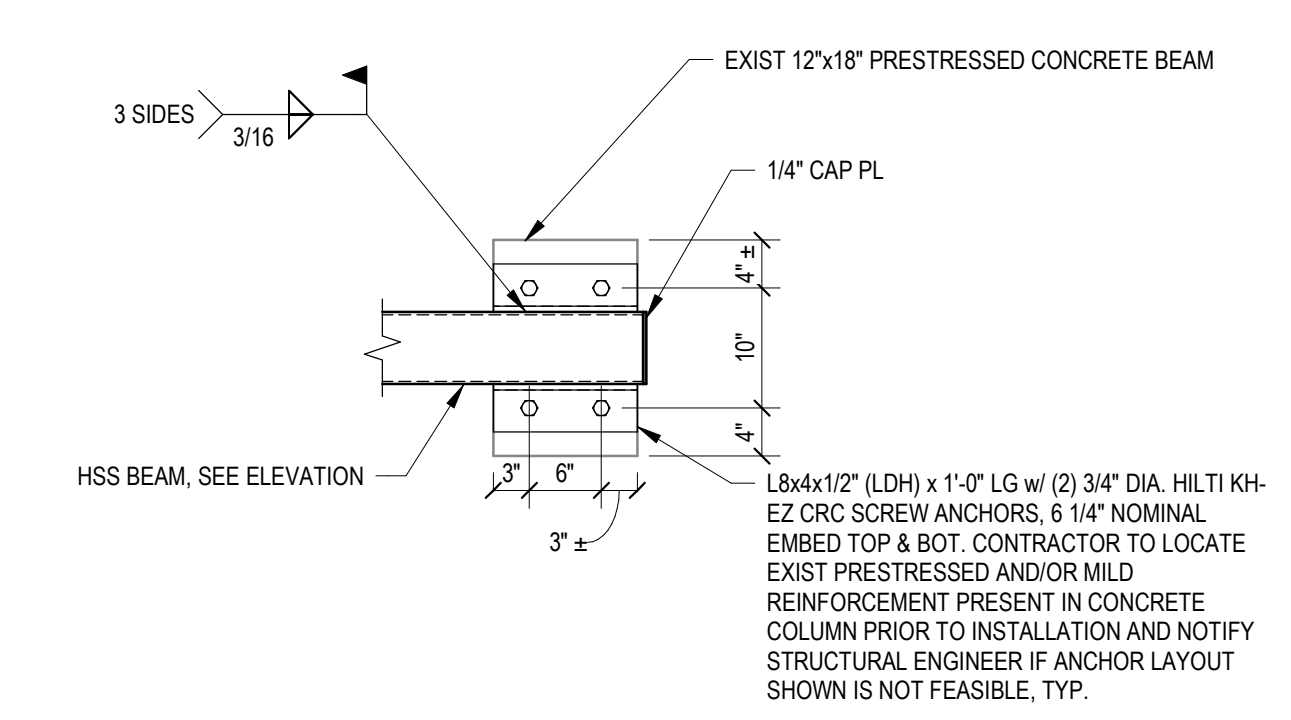
DETAIL 6
3/4" = 1'-0" S-303



DETAIL 7
3/4" = 1'-0" S-303



DETAIL 8
3/4" = 1'-0" S-303



DETAIL 9
3/4" = 1'-0" S-303

CLARK STATE COLLEGE RHODES HALL RENOVATIONS
PHASE 4
570 LEFFEL LANE
SPRINGFIELD, OH 45505

SECTIONS AND DETAILS

EMERSON DESIGN
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330 Culvert Street Suite 109
Cincinnati, Ohio 45202
513.841.9398
emersondesign@gmail.com

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CMTA
schafer

MARK	DATE	DESCRIPTION	MARK

DESIGNED BY: MARK
DRAWN BY: S. WUMALL
CHECKED BY: DRS
PROJECT NO.: 202201
PROJECT MANAGER:
SHEET SIZE: 30x42
PLOT SCALE: As indicated
FILE NAME:

STATE OF OHIO
Douglas R. STEINLE
E-68643
PROFESSIONAL ENGINEER
03-13-2023

SHEET IDENTIFICATION
S-303

ISSUED FOR PERMIT/BID - MARCH 13, 2023

DRAWING ABBREVIATIONS

J	A/C	AIR CONDITION
	AB	ANCHOR BOLT
	ABA	ARCHITECTURAL BARRIERS ACT
	ABV	ABOVE
	ACC	ACCESSIBLE
	ACS PNL	ACCESS PANEL
	ACOUS	ACOUSTIC(AL)
	ACT	ACOUSTICAL CEILING TILE
	ADA	AMERICANS WITH DISABILITIES ACT
	ADDM	ADDENDUM
	ADJ	ADJACENT, ADJOINING, ADJUSTIBLE
	AFF	ABOVE FINISHED FLOOR
	AGGR	AGGREGATE
	AHU	AIR HANDLING UNIT
	ALT	ALTERNATE
	ALUM	ALUMINUM
	ANOD	ANODIZED
	APRD	APPROVED
	APPROX	APPROXIMATE
	ARCH	ARCHITECT(URAL)
	ASPH	ASPHALT
	AVG	AVERAGE
	AUTO	AUTOMATIC
	BD	BOARD
	BEV	BEVEL
	BITUM	BITUMINOUS
	BLDG	BUILDING
	BLK	BLOCK
	BLK	BLOCKING
	BLW	BELOW
	BOT	BOTTOM
	BRG	BEARING
	BRG PL	BEARING PLATE
	BRK	BRICK
	BRZ	BRONZE
	BS	BOTH SIDES
	BSMT	BASEMENT
	BTWN	BETWEEN
	BUR	BUILT-UP ROOFING
	BW	BOTH WAYS
	CAB	CABINET
	CFGI	CONTRACTOR FURNISHED CONTRACTOR
	CFLG	INSTALLED
	CHFR	COUNTER FLASHING
	CG	CHAMFER
	CG	CORNER GUARD
	CIP	CAST-IN-PLACE
	CIRC	CIRCULAR
	CJ	CONTROL JOINT
	CL	CENTER LINE
	CLG	CEILING
	CLG HT	CEILING HEIGHT
	CLK	CALLING
	CLO	CLOSET
	CLR	CLEAR(ANCE)
	CML	CONCRETE MASONRY UNIT
	CNR	CORNER
	CNTR	COUNTER
	COL	COLUMN
	COM	COMMON
	COMPT	COMPARTMENT
	CONC	CONCRETE
	CONN	CONNECT
	CONST	CONSTRUCTION
	CONT	CONTINUE, CONTINUOUS
	CONTR	CONTRACT(OR)
	CORR	CORRIDOR
	CPT	CARPET(TED)
	CRS	COURSE
	CT	CERAMIC TILE
	CTR	CENTER
	CF	CUBIC FEET (FOOT)
	CV	CUBIC YARD
	CW	COLD WATER
	DBL	DOUBLE
	DEMO	DEMOLITION
	DEPT	DEPARTMENT
	DET	DETAIL
	DH	DOUBLE HUNG
	DIA	DIAMETER
	DIAG	DIAGONAL
	DIM	DIMENSION
	DISP	DISPENSER
	DIV	DIVISION
	DN	DOWN
	DOC	DOCUMENT
	DR	DOOR
	DRB	DRAIN BOARD
	DS	DOWNSPOUT
	DWR	DRAWER
	DWG	DRAWING
	DW	DISHWASHER
	EA	EACH
	EF	EACH FACE
	EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
	EJ	EXPANSION JOINT
	EL	ELEVATION
	ELEC	ELECTRIC(AL)
	ELEV	ELEVATOR/ ELEVATION
	EMER	EMERGENCY
	ENCL	ENCLOSE(URE)
	EQ	EQUAL
	EQUIP	EQUIPMENT
	EW	ELECTRIC WATER COOLER
	EXC	EXCAVATE
	EXH	EXHAUST
	EXIST	EXISTING
	EXP	EXPOSED
	EXT	EXTERIOR
	FA	FIRE ALARM
	FBO	FURNISHED BY OTHERS
	FD	FLOOR DRAIN
	FDC	FIRE DEPARTMENT CONNECTION
	FDTN	FOUNDATION
	FE	FIRE EXTINGUISHER
	FEC	FIRE EXTINGUISHER CABINET
	FH	FIRE HOSE
	FHC	FIRE HOSE CABINET
	FHS	FIRE HOSE STATION
	FIN	FINISHED
	FIN FLR	FINISH FLOOR
	FLASH	FLASHING
	FLEX	FLEXIBLE
	FLG	FLOORING
	FLR PL	FLOOR PLATE
	FLR	FLOOR
	FLUOR	FLUORESCENT
	FOM	FACE OF MASONRY
	FOS	FACE OF STUDS
	FP	FIREPROOF
	FRMG	FRAMING
	FRT	FIRE RETARDANT
	FSTNR	FASTEN(ER)
	FT	FOOT, FEET
	FTG	FOOTING
	FURG	FURRING
	FUT	FUTURE
	FV	FIELD VERIFY
	FWC	FABRIC WALLCOVERING
	GA	GAGE, GAUGE
	GALV	GALVANIZED
	GFCI	GOVERNMENT FURNISHED CONTRACTOR
	GFCI	INSTALLED
	GFGI	GOVERNMENT FURNISHED GOVERNMENT
	GFGI	INSTALLED
	GFRG	GLASS FIBER REINFORCED CONCRETE
	GKT	GASKET(ED)
	GL	GLASS, GLAZING
	GND	GROUND
	GOVT	GOVERNMENT
	GT	GROUT
	GVL	GRAVEL
	GWB	GYPSON WALLBOARD
	GYP	GYPSON
	HB	HOSE BIBB
	HCP	HANDICAP
	HD	HEAD/ HEAVY DUTY
	HDJT	HEAD JOINT
	HDR	HEADER
	HDW	HARDWARE
	HM	HOLLOW METAL
	HORIZ	HORIZONTAL
	HR	HOUR
	HT	HEIGHT
	HTG	HEATING
	HTR	HEATER
	HVAC	HEATING/VENTILATION/AIR CONDITIONING
	HW	HOT WATER

ID	INSIDE DIAMETER
IN	INCH
INCL	INCLUDE(D), (ING)
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
JAN CL	JANITOR'S CLOSET
JST	JOIST
JT	JOINT
KIT	KITCHEN
KOP	KNOCKOUT PANEL
KPL	KICKPLATE
LAB	LABORATORY
LAD	LADDER
LAM	LAMINATED
LAV	LAVATORY
LBL	LABEL
LPT	LOW POINT
LT	LIGHT
LTG	LIGHTING
LWT	LIGHTWEIGHT
LVR	LOUVER
LVT	LUXURY VINYL TILE
MACH	MACHINE
MAS	MASONRY
MATL	MATERIAL(S)
MAX	MAXIMUM
MBR	MEMBER
MECH	MECHANICAL
MED	MEDIUM
MEMB	MEMBRANE
MFR	MANUFACTURER
MH	MANHOLE
MID	MIDDLE
MIN	MINIMUM, MINUTE
MIRR	MIRROR
MISC	MISCELLANEOUS
MLDG	MOLDING (MOLDING)
MLWK	MILLWORK
MO	MASONRY OPENING
MOD	MODIFY
MRD	METAL ROOF DECK
MTD	MOUNT(ED), (ING)
MTL	METAL
MULL	MULLION
MVBL	MOVABLE
N	NORTH
NA	NOT APPLICABLE
NAT	NATURAL
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NP	NO PAINT
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OBSC	OBSCURE
OC	ON CENTER
OD	OUTSIDE DIAMETER, OVERFLOW DRAIN
OH	OVERHEAD
OPPH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
OPQ	OPAQUE
PAR	PARALLEL
PBD	PARTICLE BOARD
PC	PRECAST CONCRETE
PCT	PERCENT
PED	PEDESAL
PERF	PERFORATE(D)
PERIM	PERIMETER
PERM	PERMEABLE
PL GL	PLATE GLASS
PLAM	PLASTIC LAMINATE
PLYWD	PLYWOOD
PNL	PANEL
PT	PAINT(ED)
PR	PAIR
PREFAB	PREFABRICATE(D)
PREFIN	PREFINISHED
PREFMD	PREFORMED
PRKG	PARKING
PROJ	PROJECT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PTN	PARTITION
PVC	POLYVINYL CHLORIDE
QTY	QUANTITY
R	RADIUS
RA	RETURN AIR
RB	RUBBER BASE, RESILIENT BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
RECPT	RECEPTACLE
REF	REFRIGERATOR
REFL	REFLECT(ED), (IVE), (OR)
REFR	REFRIGERATION
REINF	REINFORCE(D), (ING)
REM	REMOVE
RESIL	RESILIENT
RET	RETURN
REQD	REQUIRED
REV	REVISION(S), REVISED
RFG	ROOFING
RH	RIGHT HAND, ROOF HATCH
RL	ROOF LEADER
RLG	RAILING
RM	ROOM
RO	ROUGH OPENING
RSR	RISER
S	SOUTH
SA	SUPPLY AIR
SC	SOLID CORE
SCHED	SCHEDULE
SCRN	SCREEN
SECT	SECTION
SF	SQUARE FOOT (FEET)
SFRM	SPRAY-APPLIED FIRE-RESISTIVE MATERIAL
SHT	SHEET
SHTHG	SHEATHING
SIM	SIMILAR
SM	SHEET METAL
SPCL	SPECIAL
SPEC	SPECIFICATION
SO	SQUARE
SO IN	SQUARE INCH
SO YD	SQUARE YARD
SS	SERVICE SINK / SOLID SURFACE
ST	STAIRS
STD	STANDARD
STL	STEEL
STN	STAINED
STR	STORAGE
STRUCT	STRUCTURAL
SUSP	SUSPENDED
SYMM	SYMMETRICAL
SYNTH	SYNTHETIC
SYS	SYSTEM
T	TREAD
TB	TOWEL BAR
TBD	TO BE DETERMINED
TEL	TELEPHONE
TEMP	TEMPERATURE, TEMPORARY
T&G	TONGUE & GROOVE
THK	THICKNESS
TK BD	TACKBOARD
T/O	TOP OF
TOIL	TOILET
TOPO	TOPOGRAPHY
TPO	TOILET PAPER DISPENSER
TPO	THERMO-PLASTIC OVERLAY (ROOFING)
TPTN	TOILET PARTITION
TV	TELEVISION
TYP	TYPICAL

UH	UNIT HEATER
UNFN	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
VB	VINYL BASE / VAPOR BARRIER
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VIN	VINYL
VOL	VOLUME
VTR	VENT THRU ROOF
VWC	VINYL WALL COVERING
W	WITH
WC	WATER CLOSET
WD	WOOD
WH	WALL HUNG, WATER HEATER
W/O	WITHOUT
WP	WATERPROOFING, WORKING POINT
WW	WALL TO WALL
WWF	WELDED WIRE FABRIC
YD	YARD, YARD DRAIN

LEGEND

ANNOTATION CALLOUTS/DRAWING SYMBOLS

Room name ROOM NAME/NUMBER

101

WINDOW TYPE

01

WALL TYPE

11

GRID / COLUMN LINE DESIGNATOR

0

EQUIPMENT NUMBER

11

DOOR NUMBER

101

REVISION TAG

1

PLAN NORTH

NORTH ARROW

SPOT ELEVATION

Name Elevation

FLOOR LEVEL & NAME

SHEET KEYNOTE

A

SHEET IDENTIFICATION

NEW WORK

DISCIPLINE DESIGNATOR

SHEET TYPE DESIGNATOR

SHEET SEQUENCE NUMBER

A-101

DEMO WORK

DISCIPLINE DESIGNATOR

SHEET TYPE DESIGNATOR

SHEET SEQUENCE NUMBER

AD101

SUPPLEMENTAL OR EXTRA SHEET

DISCIPLINE DESIGNATOR

SHEET TYPE DESIGNATOR

SHEET SEQUENCE NUMBER

A-101A

SUPPLEMENTAL DRAWING DESIGNATOR

GENERAL NOTES

- ALL DIMENSIONS ARE TO FINISH FACE OF GYPSUM BOARD UNLESS OTHERWISE NOTED.
- ALL ROOM NUMBERS ARE FOR CONSTRUCTION PURPOSES ONLY.
- USE ONLY WRITTEN DIMENSIONS. DO NOT SCALE DRAWINGS.
- THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS ON THE SITE PRIOR TO COMMENCING WORK. ALL INQUIRIES AND DISCREPANCIES SHOULD BE DIRECTED TO THE ARCHITECT.
- BEFORE ANY CONTRACTOR ENTERS ANY AREA OF WORK, CONTRACTOR SHALL NOTIFY THE OWNER IN ADVANCE AS TO WHEN THE AREA HAS TO BE AVAILABLE FOR WORK AND THE LENGTH OF TIME WORK IS ANTICIPATED. THE OWNER THEN WILL MAKE THE NECESSARY ARRANGEMENTS WITH THE PROPER STAFF TO PROVIDE ENTRY INTO THE AREA. IN ADDITION, BEFORE ANY WORKER ENTERS ANY AREA TO VERIFY OR EXAMINE EXISTING CONDITIONS OR BEFORE ANY WORK STARTS, THE CONTRACTOR SHALL ALERT THE OWNER AND OBTAIN THEIR PERMISSION TO PROCEED.
- PATCH ALL ADJACENT MATERIALS (FLOORS, WALLS & CEILINGS) AS REQUIRED BY THE NEW CONSTRUCTION TO MATCH EXISTING CONDITIONS. "MATCH EXISTING CONDITIONS" OR "PATCH TO MATCH" MEANS TO MATCH THE TYPE OF MATERIAL, SURFACE FINISH, COLOR, ETC. OF THE EXISTING FLOOR, BORDERS, BASE, WAINSCOT, WALL AND CEILING.
- CONTRACTOR SHALL VISIT THE SITE DURING THE BIDDING PERIOD TO VERIFY AND DETERMINE ALL FINISHES (FLOORS, WALLS AND CEILINGS) IN AREAS OF NEW CONSTRUCTION AS REQUIRED TO PATCH TO MATCH EXISTING.
- NEW WORK SHALL ALIGN WITH AND MATCH EXISTING WORK EXCEPT WHERE OTHERWISE DIMENSIONED OR DETAILED.
- ALL NEW PARTITIONS, UNLESS OTHERWISE SHOWN OR DETAILED, SHALL BE METAL STUDS OF THICKNESS TO ADEQUATELY COVER PIPING, CONDUITS, ETC.
- REFER TO LIFE SAFETY DRAWINGS FOR EXIT LIGHTS.
- REFER TO FINISH DRAWINGS (I SERIES) FOR INTERIOR CLASSIFICATION.
- REFER TO LIFE SAFETY DRAWINGS FOR CODE OCCUPANCY AND FIRE PROTECTION ITEMS.

EMERSON DESIGN

ARCHITECTURE

INTERIORS

SUSTAINABILITY

PLANNING

ENGINEERING

310 Culvert Street Suite 189
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513 841 5889
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DATE:	03/13/2023
PROJECT NO.:	105201
CHECKED BY:	J. SWENEY
DRAWN BY:	J. SWENEY
SCALE:	AS SHOWN
FILE NAME:	3042

CLARK STATE COLLEGE RHODES HALL RENOVATIONS

PHASE 4

570 LEFFEL LANE

SPRINGFIELD, OH 45505

GENERAL NOTES AND ABBREVIATIONS

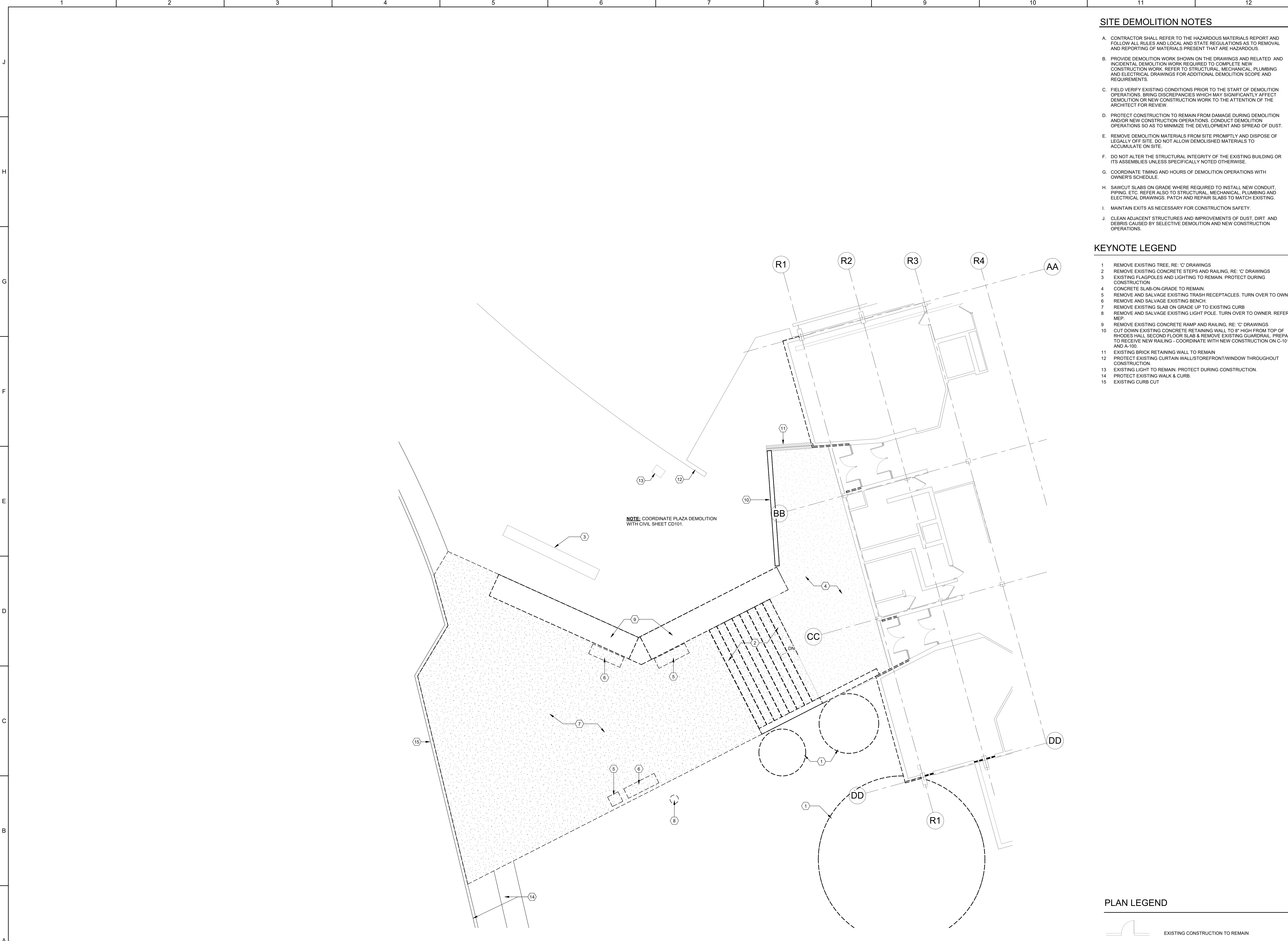
03/13/2023

SITE DEMOLITION NOTES

- A. CONTRACTOR SHALL REFER TO THE HAZARDOUS MATERIALS REPORT AND FOLLOW ALL RULES AND LOCAL AND STATE REGULATIONS AS TO REMOVAL AND REPORTING OF MATERIALS PRESENT THAT ARE HAZARDOUS.
- B. PROVIDE DEMOLITION WORK SHOWN ON THE DRAWINGS AND RELATED AND INCIDENTAL DEMOLITION WORK REQUIRED TO COMPLETE NEW CONSTRUCTION WORK. REFER TO STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION SCOPE AND REQUIREMENTS.
- C. FIELD VERIFY EXISTING CONDITIONS PRIOR TO THE START OF DEMOLITION OPERATIONS. BRING DISCREPANCIES WHICH MAY SIGNIFICANTLY AFFECT DEMOLITION OR NEW CONSTRUCTION WORK TO THE ATTENTION OF THE ARCHITECT FOR REVIEW.
- D. PROTECT CONSTRUCTION TO REMAIN FROM DAMAGE DURING DEMOLITION AND/OR NEW CONSTRUCTION OPERATIONS. CONDUCT DEMOLITION OPERATIONS SO AS TO MINIMIZE THE DEVELOPMENT AND SPREAD OF DUST.
- E. REMOVE DEMOLITION MATERIALS FROM SITE PROMPTLY AND DISPOSE OF LEGALLY OFF SITE. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON SITE.
- F. DO NOT ALTER THE STRUCTURAL INTEGRITY OF THE EXISTING BUILDING OR ITS ASSEMBLIES UNLESS SPECIFICALLY NOTED OTHERWISE.
- G. COORDINATE TIMING AND HOURS OF DEMOLITION OPERATIONS WITH OWNER'S SCHEDULE.
- H. SAWCUT SLABS ON GRADE WHERE REQUIRED TO INSTALL NEW CONDUIT, PIPING, ETC. REFER ALSO TO STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS. PATCH AND REPAIR SLABS TO MATCH EXISTING.
- I. MAINTAIN EXITS AS NECESSARY FOR CONSTRUCTION SAFETY.
- J. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT AND DEBRIS CAUSED BY SELECTIVE DEMOLITION AND NEW CONSTRUCTION OPERATIONS.

KEYNOTE LEGEND

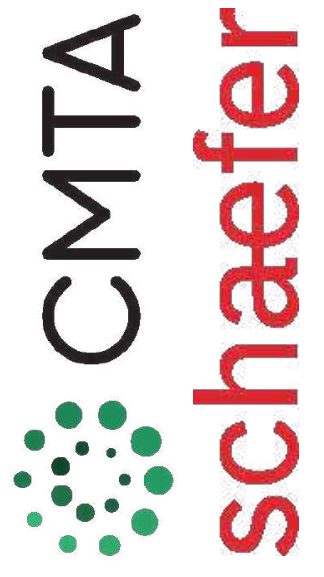
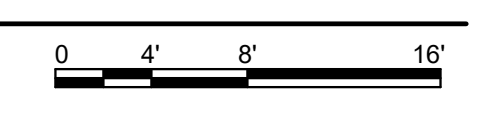
- 1 REMOVE EXISTING TREE, RE: 'C' DRAWINGS
- 2 REMOVE EXISTING CONCRETE STEPS AND RAILING, RE: 'C' DRAWINGS
- 3 EXISTING FLAGPOLES AND LIGHTING TO REMAIN. PROTECT DURING CONSTRUCTION
- 4 CONCRETE SLAB-ON-GRADE TO REMAIN.
- 5 REMOVE AND SALVAGE EXISTING TRASH RECEPTACLES. TURN OVER TO OWNER.
- 6 REMOVE AND SALVAGE EXISTING BENCH
- 7 REMOVE EXISTING SLAB ON GRADE UP TO EXISTING CURB
- 8 REMOVE AND SALVAGE EXISTING LIGHT POLE. TURN OVER TO OWNER. REFER MEP.
- 9 REMOVE EXISTING CONCRETE RAMP AND RAILING, RE: 'C' DRAWINGS
- 10 CUT DOWN EXISTING CONCRETE RETAINING WALL TO 8" HIGH FROM TOP OF RHODES HALL SECOND FLOOR SLAB & REMOVE EXISTING GUARDRAIL. PREPARE TO RECEIVE NEW RAILING - COORDINATE WITH NEW CONSTRUCTION ON C-101 AND A-100.
- 11 EXISTING BRICK RETAINING WALL TO REMAIN
- 12 PROTECT EXISTING CURTAIN WALL/STOREFRONT/WINDOW THROUGHOUT CONSTRUCTION
- 13 EXISTING LIGHT TO REMAIN. PROTECT DURING CONSTRUCTION.
- 14 PROTECT EXISTING WALK & CURB.
- 15 EXISTING CURB CUT



N
A5 DEMOLITION SITE PLAN - PLAZA
 SCALE: 1/8" = 1'-0"

PLAN LEGEND

EXISTING CONSTRUCTION TO REMAIN
 EXISTING CONSTRUCTION TO BE DEMOLISHED



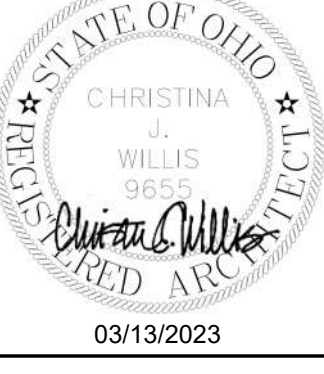
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 Cincinnati, Ohio 45202
 513.841.5189

MARK	DESCRIPTION	DATE

DESIGNED BY: J. CRENS	CHECKED BY: J. SWENEY	DATE: 03/13/2023	PROJECT NO.:
DRAWN BY: A. ANDERSON	MANAGER:	PROJECT NO.:	202201
PROJECT NO.:	PROJECT NO.:	PROJECT NO.:	PROJECT NO.:
SHEET SIZE: 30x42	PROJECT NO.:	PROJECT NO.:	PROJECT NO.:
PROJECT NO.:	PROJECT NO.:	PROJECT NO.:	PROJECT NO.:

CLARK STATE COLLEGE RHODES HALL RENOVATIONS
 PHASE 4
 570 LEFFEL LANE
 SPRINGFIELD, OH 45505
 RHODES HALL DEMOLITION PLAZA PLAN



SHEET IDENTIFICATION

AD100

GENERAL DEMOLITION NOTES

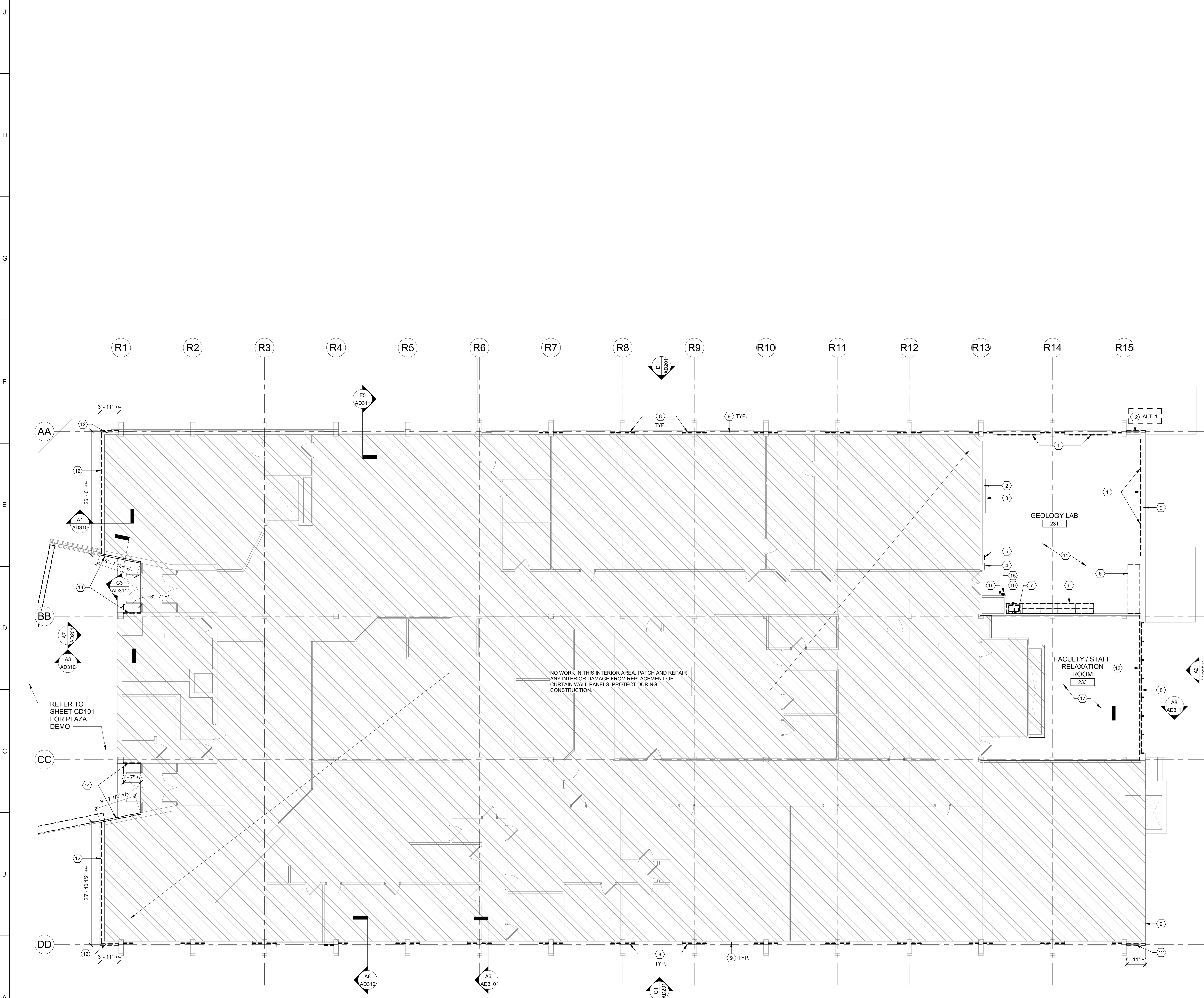
- A. CONTRACTOR SHALL REFER TO THE HAZARDOUS MATERIALS REPORT AND FOLLOW ALL RULES AND LOCAL AND STATE REGULATIONS AS TO REMOVAL AND REPORTING OF MATERIALS PRESENT THAT ARE HAZARDOUS.
- B. COORDINATE WITH MEP FOR REMOVAL OF ADDITIONAL LIGHTING, DIFFUSERS, ETC. NOT DEFINED ON ARCHITECTURAL DRAWINGS.
- C. PROVIDE DEMOLITION WORK SHOWN ON THE DRAWINGS AND RELATED AND INCIDENTAL DEMOLITION WORK REQUIRED TO COMPLETE NEW CONSTRUCTION WORK. REFER TO STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION SCOPE AND REQUIREMENTS.
- D. REMOVE ENTIRE WALL ASSEMBLIES INDICATED TO BE DEMOLISHED, INCLUDING CONCEALED ELEMENTS WITHIN PARTITIONS AND ABOVE-CEILING CONSTRUCTION (UNO).
- E. FIELD VERIFY EXISTING CONDITIONS PRIOR TO THE START OF DEMOLITION OPERATIONS. BRING DISCREPANCIES WHICH MAY SIGNIFICANTLY AFFECT DEMOLITION OR NEW CONSTRUCTION WORK TO THE ATTENTION OF THE ARCHITECT FOR REVIEW.
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- J. PATCH AND REPAIR DAMAGE ARISING FROM DEMOLITION OPERATION TO FLOOR WALL AND CEILING SURFACES. PATCH EXISTING, PATCH CHIPPED OR SPALLED CONCRETE CAUSED BY PARTITION REMOVAL. REMOVE ANY EXTRANEIOUS MATERIAL AND PATCH TO MATCH ADJACENT SURFACES.
- K. PATCH AND REPAIR OPENINGS IN AND/OR PENETRATIONS THROUGH EXISTING FIRE RATED ASSEMBLIES AND SMOKE PARTITION ASSEMBLIES.
- L. AT UNEVEN AREAS AND DEPRESSIONS IN EXISTING CONCRETE FLOOR CONSTRUCTION, PROVIDE CEMENTITIOUS UNDERLAYMENT AS REQUIRED TO PROVIDE SUITABLE BASE CONDITIONS FOR NEW FINISH(ES) AND NEW CONSTRUCTION.
- M. COORDINATE TIMING AND HOURS OF DEMOLITION OPERATIONS WITH OWNER'S SCHEDULE.
- N. SAWCUT SLABS ON GRADE WHERE REQUIRED TO INSTALL NEW CONDUIT, PIPING, ETC. REFER ALSO TO STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS. PATCH AND REPAIR SLABS TO MATCH EXISTING.
- O. CORE EXISTING FLOOR SLAB CONSTRUCTION FOR INSTALLATION OF CONDUIT, PIPING, ETC. REFER ALSO TO MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS. PATCH AND REPAIR SLABS TO MATCH EXISTING.
- P. PROTECT WALLS, CEILINGS, FLOORS AND OTHER FINISH WORK THAT ARE TO REMAIN AND ARE EXPOSED WITHIN SELECTIVE DEMOLITION AREA.
- Q. MAINTAIN EXITS AS NECESSARY FOR CONSTRUCTION SAFETY.
- R. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT AND DEBRIS CAUSED BY SELECTIVE DEMOLITION AND NEW CONSTRUCTION OPERATIONS.
- S. AT WALLS TO BE REFINISHED, REMOVE EXISTING MISCELLANEOUS ACCESSORIES TO FACILITATE INSTALLATION OF NEW FINISHES. PATCH, REPAIR, AND PREP WALLS TO RECEIVE NEW FINISHES. ITEMS REMOVED TO BE SALVAGED AND RETURNED TO THE OWNER.
- T. MAINTAIN EXISTING ROOF DRAIN LINES AND SECURE AS REQUIRED TO RECEIVE NEW FINISHES. REFER TO PLUMBING DRAWINGS.

KEYNOTE LEGEND

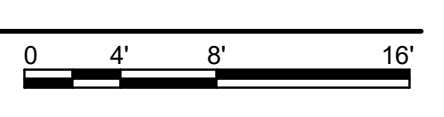
- 1 REMOVE EXISTING TACKBOARD
- 2 EXISTING MARKERBOARD TO REMAIN
- 3 EXISTING PROJECTOR SCREEN TO REMAIN
- 4 REMOVE EXISTING SPEAKER AND SALVAGE FOR REINSTALLATION
- 5 REMOVE EXISTING ANALOG CLOCK AND TURN OVER TO OWNER
- 6 REMOVE EXISTING CASEWORK, FURNITURE & SHELVING IN ITS ENTIRETY INCLUDING WALL CABINETS
- 7 REMOVE EXISTING PAPER TOWEL DISPENSER AND SOAP DISPENSER
- 8 REMOVE EXISTING CURTAIN WALL ASSEMBLY IN ITS ENTIRETY, TAKING CARE TO PRESERVE EXISTING CONSTRUCTION AT INTERIOR FACE OF CURTAIN WALL ASSEMBLY, TYPICAL FLOORS 2 AND 3
- 9 EXISTING BRICK MASONRY TO REMAIN
- 10 REMOVE PLUMBING FIXTURE AND ASSOCIATED PIPING, RE: 'P' DRAWINGS
- 11 REMOVE FLOORING SYSTEM AND BASE DOWN TO EXISTING SLAB. COORDINATE WITH MECHANICAL AND ELECTRICAL. PREP SURFACE TO RECEIVE NEW FINISHES. COORDINATE EXTENTS WITH NEW CONSTRUCTION.
- 12 REMOVE AND SALVAGE BRICK VENEER ON ENTIRE VERTICAL FACE UP TO PARAPET CAP. TAKING CARE TO PRESERVE EXISTING FLASHING AND WATERPROOFING MEMBRANE BEHIND THE BRICK. REMOVE EXISTING BRICK ANCHORING SYSTEM, BEING CAREFUL NOT TO DAMAGE EXISTING WATERPROOFING MEMBRANE. RE: 'S' DRAWINGS
- 13 REMOVE ENTIRE WALL ASSEMBLY TO BACK SIDE OF ALUMINUM CURTAIN WALL FRAMING. PROTECT CONCEALED MECHANICAL, ELECTRICAL & PLUMBING WITHIN PARTITION.
- 14 REMOVE BRICK VENEER ON VERTICAL FACE OF MASONRY WALL UP TO EXISTING SCFFIT. TAKING CARE TO PRESERVE EXISTING FLASHING AND WATERPROOFING MEMBRANE BEHIND THE BRICK. REMOVE EXISTING BRICK ANCHORING SYSTEM, BEING CAREFUL NOT TO DAMAGE EXISTING WATERPROOFING MEMBRANE.
- 15 REMOVE EXISTING FIRE EXTINGUISHER AND SALVAGE FOR REINSTALLATION
- 16 REMOVE EXISTING PHONE AND SALVAGE FOR REINSTALLATION
- 17 REMOVE LOOSE FURNISHINGS FROM ROOM FOR DURATION OF DEMOLITION AND CONSTRUCTION. COORDINATE STORAGE WITH OWNER.

PLAN LEGEND

- EXISTING CONSTRUCTION TO REMAIN
- EXISTING CONSTRUCTION TO BE DEMOLISHED



A1 200 LEVEL DEMOLITION FLOOR PLAN
SCALE: 1/8" = 1'-0"



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Cincinnati, Ohio 45202
513.841.5089

DATE	DESCRIPTION	MARK

DESIGNED BY: J. CREWS	CHECKED BY: A. ANDERSON	DATE: 03/13/2023
DRAWN BY: S. SIMALL	PROJECT NO.:20201	PROJECT NAME: CLARK STATE COLLEGE RHODES HALL RENOVATIONS
SHEET NO.:3042	PROJECT SCALE: As Indicated	FILE NAME:

CLARK STATE COLLEGE RHODES HALL RENOVATIONS
PHASE 4
570 LEFFEL LANE
SPRINGFIELD, OH 45505
200 LEVEL DEMOLITION FLOOR PLAN

STATE OF OHIO
CHRISTINA WILLIS
REGISTERED ARCHITECT
03/13/2023
SHEET IDENTIFICATION

AD102

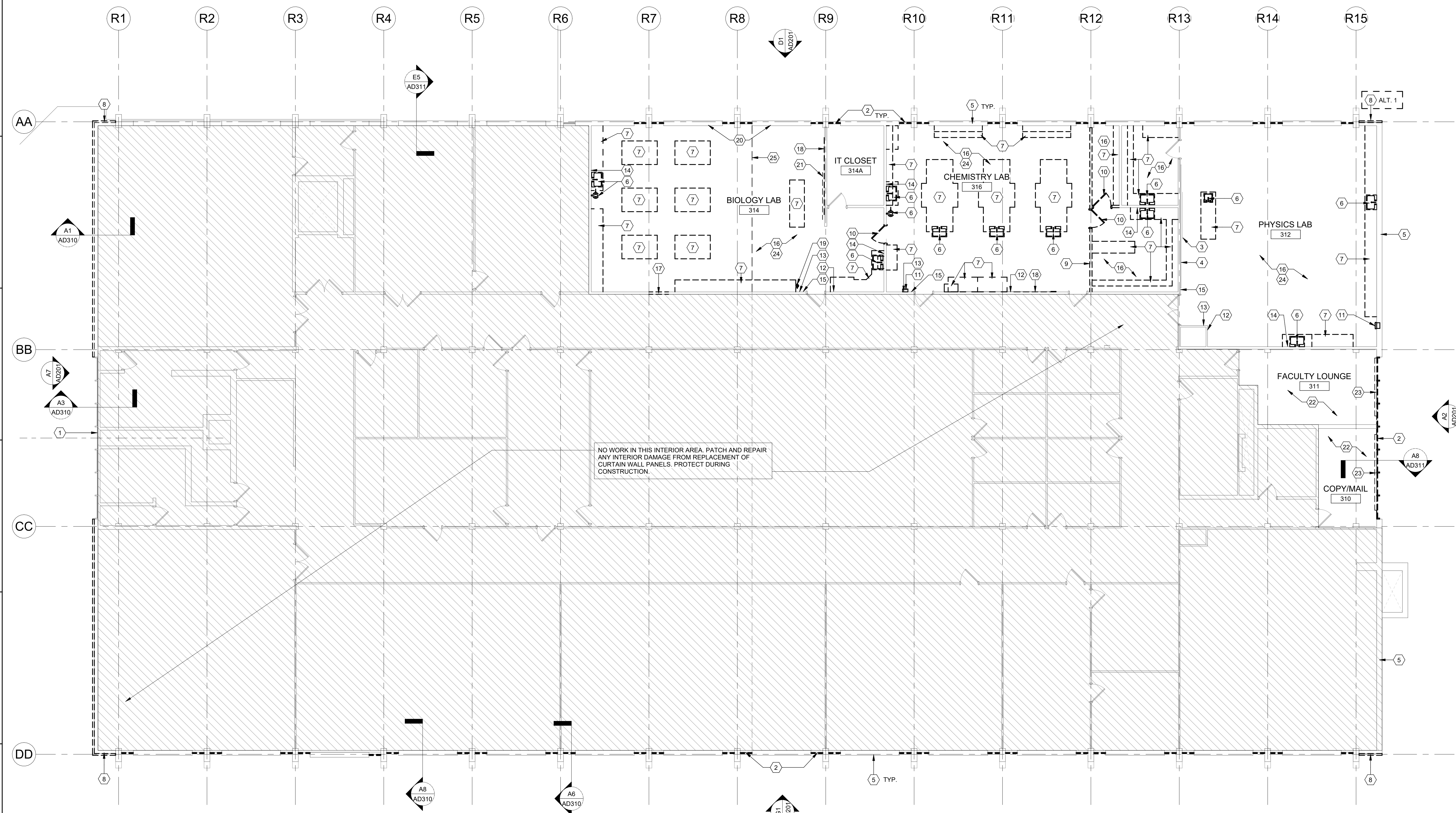
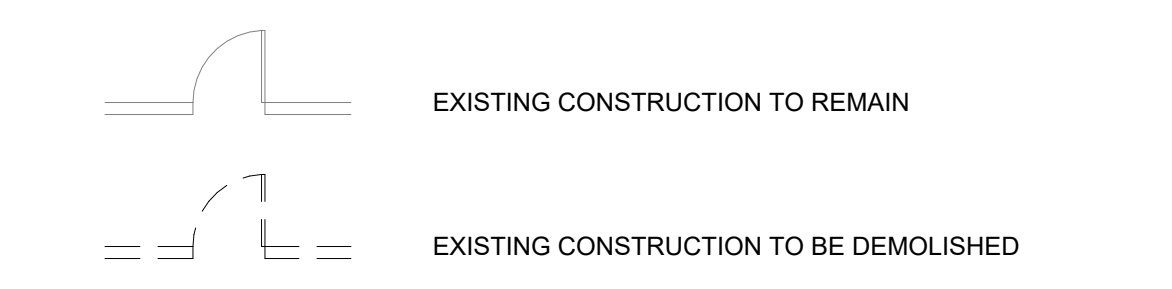
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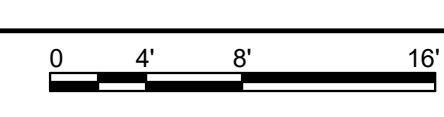
KEYNOTE LEGEND

- 1 EXISTING CURTAIN WALL ASSEMBLY TO REMAIN; PROTECT DURING CONSTRUCTION.
- 2 REMOVE EXISTING CURTAIN WALL ASSEMBLY IN ITS ENTIRETY, TAKING CARE TO PRESERVE EXISTING CONSTRUCTION AT INTERIOR FACE OF CURTAIN WALL ASSEMBLY. TYPICAL FLOORS 2 AND 3.
- 3 EXISTING PROJECTOR SCREEN TO REMAIN.
- 4 EXISTING MARKERBOARD TO REMAIN.
- 5 EXISTING BRICK MASONRY TO REMAIN.
- 6 REMOVE PLUMBING FIXTURE AND ASSOCIATED PIPING, RE: 'P' DRAWINGS.
- 7 REMOVE EXISTING CASEWORK, FURNITURE & SHELVING IN ITS ENTIRETY INCLUDING WALL CABINETS.
- 8 REMOVE AND SALVAGE BRICK VENEER ON ENTIRE VERTICAL FACE UP TO PARAPET CAP, TAKING CARE TO PRESERVE EXISTING FLASHING AND WATERPROOFING MEMBRANE BEHIND THE BRICK. REMOVE EXISTING BRICK ANCHORING SYSTEM, BEING CAREFUL NOT TO DAMAGE EXISTING WATERPROOFING MEMBRANE. RE: 'S' DRAWINGS.
- 9 REMOVE ENTIRE WALL ASSEMBLY, INCLUDING CONCEALED ELEMENTS WITHIN PARTITIONS AND ABOVE-CEILING CONSTRUCTION, U.N.O. COORDINATE WITH MECHANICAL, ELECTRICAL, ETC.
- 10 REMOVE EXISTING DOOR & FRAME AND HARDWARE. SALVAGE EXISTING DOOR AND HARDWARE AND TURN OVER TO OWNER.
- 11 REMOVE EXISTING FIRE EXTINGUISHER AND CABINET. SALVAGE FIRE EXTINGUISHER FOR REINSTALLATION. PATCH WALL TO MATCH ADJACENT AND PREPARE FOR NEW CONSTRUCTION.
- 12 REMOVE EXISTING PHONE AND SALVAGE FOR REINSTALLATION.
- 13 REMOVE EXISTING ANALOG CLOCK AND TURN OVER TO OWNER.
- 14 REMOVE EXISTING PAPER TOWEL DISPENSER AND SOAP DISPENSER.
- 15 REMOVE EXISTING SPEAKER AND SALVAGE FOR REINSTALLATION.
- 16 REMOVE FLOORING SYSTEM AND BASE DOWN TO EXISTING SLAB. COORDINATE WITH MECHANICAL AND ELECTRICAL. PREP SURFACE TO RECEIVE NEW FINISHES. COORDINATE EXTENTS WITH NEW CONSTRUCTION.
- 17 REMOVE PORTION OF WALL TO ACCOMMODATE NEW CONSTRUCTION. COORDINATE EXTENTS WITH NEW CONSTRUCTION. AT MASONRY, TOOTH JAMBS WHERE NEW OPENINGS ARE REQUIRED.
- 18 REMOVE EXISTING MARKERBOARD.
- 19 REMOVE EXISTING FIRE EXTINGUISHER AND SALVAGE FOR REINSTALLATION.
- 20 REMOVE EXISTING TACKBOARD.
- 21 REMOVE EXISTING PROJECTION SCREEN.
- 22 REMOVE LOOSE FURNISHINGS FROM ROOM FOR DURATION OF DEMOLITION AND CONSTRUCTION. COORDINATE STORAGE WITH OWNER.
- 23 REMOVE EXISTING RADIANT HEATERS ALONG WALL, RE: 'M' DRAWINGS.
- 24 REMOVE LOOSE FURNISHINGS FROM ROOM AND TURN OVER TO OWNER.
- 25 REMOVE EXISTING EXPANSION JOINT COVER AND PREPARE TO RECEIVE NEW CONSTRUCTION.

PLAN LEGEND



A1 300 LEVEL DEMOLITION FLOOR PLAN
SCALE: 1/8" = 1'-0"



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CMTA
schaefer
EMERSON DESIGN
ARCHITECTURE INTERIORS SUSTAINABILITY PLANNING ENGINEERING
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MARK	DESCRIPTION	DATE

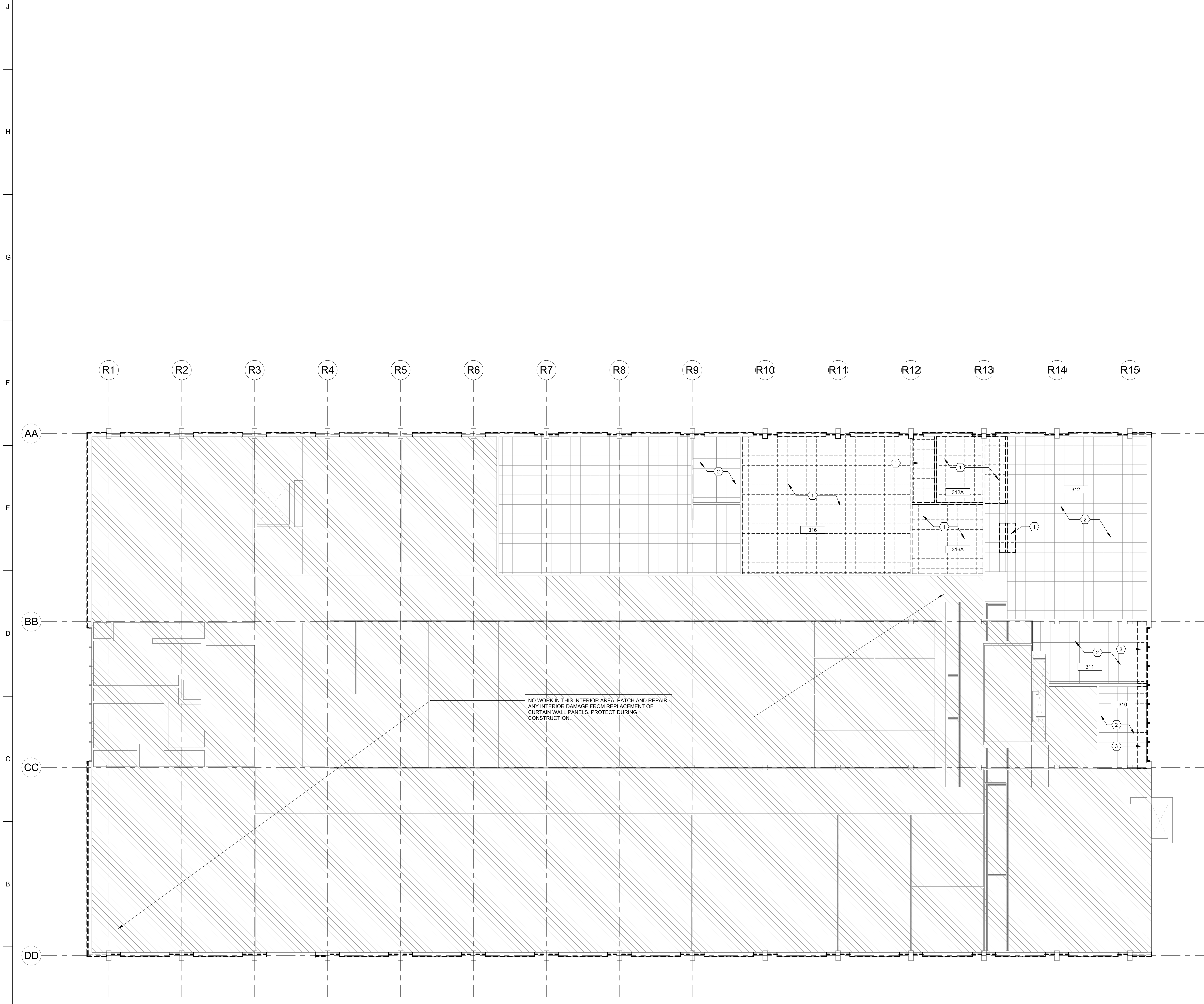
DESIGNED BY: J. CREWS	CHECKED BY: J. SWENEY	DATE: 03/13/2023	PROJECT NO.:
DRAWN BY: A. ANDERSON	PROJECT MANAGER: S. SMALL	PROJECT NAME:	300 LEVEL DEMOLITION FLOOR PLAN
SHEET SIZE: 30x42	FILE NAME:	AS SHOWN	

CLARK STATE COLLEGE RHODES HALL RENOVATIONS
PHASE 4
570 LEFFEL LANE
SPRINGFIELD, OH 45505
300 LEVEL DEMOLITION FLOOR PLAN



03/13/2023
SHEET IDENTIFICATION

AD103



GENERAL DEMOLITION NOTES

- A. CONTRACTOR SHALL REFER TO THE HAZARDOUS MATERIALS REPORT AND FOLLOW ALL RULES AND LOCAL AND STATE REGULATIONS AS TO REMOVAL AND REPORTING OF MATERIALS PRESENT THAT ARE HAZARDOUS.
B. COORDINATE WITH MEP FOR REMOVAL OF ADDITIONAL LIGHTING, DIFFUSERS, ETC. NOT DEFINED ON ARCHITECTURAL DRAWINGS.
C. PROVIDE DEMOLITION WORK SHOWN ON THE DRAWINGS AND RELATED AND INCIDENTAL DEMOLITION WORK REQUIRED TO COMPLETE NEW CONSTRUCTION WORK. REFER TO STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION SCOPE AND REQUIREMENTS.
D. REMOVE ENTIRE WALL ASSEMBLIES INDICATED TO BE DEMOLISHED, INCLUDING CONCEALED ELEMENTS WITHIN PARTITIONS AND ABOVE-CEILING CONSTRUCTION (UNO).
E. FIELD VERIFY EXISTING CONDITIONS PRIOR TO THE START OF DEMOLITION OPERATIONS. BRING DISCREPANCIES WHICH MAY SIGNIFICANTLY AFFECT DEMOLITION OR NEW CONSTRUCTION WORK TO THE ATTENTION OF THE ARCHITECT FOR REVIEW.
F. PROTECT CONSTRUCTION TO REMAIN FROM DAMAGE DURING DEMOLITION AND/OR NEW CONSTRUCTION OPERATIONS. CONDUCT DEMOLITION OPERATIONS SO AS TO MINIMIZE THE DEVELOPMENT AND SPREAD OF DUST.
G. REMOVE DEMOLITION MATERIALS FROM SITE PROMPTLY AND DISPOSE OF LEGALLY OFF SITE. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON SITE.
H. DO NOT ALTER THE STRUCTURAL INTEGRITY OF THE EXISTING BUILDING OR ITS ASSEMBLIES UNLESS SPECIFICALLY NOTED OTHERWISE.
I. UPON REMOVAL OF FINISHED MATERIALS INDICATED OR REQUIRED, PREPARE SUBSTRATE TO RECEIVE NEW FINISH. REFER ALSO TO ROOM FINISH SCHEDULE FOR NEW MATERIAL(S). REPAIR EXISTING DAMAGE, OR DAMAGE ARISING FROM DEMOLITION OPERATIONS, TO MATCH EXISTING AND AS REQUIRED FOR INSTALLATION OF NEW FINISHES.
J. PATCH AND REPAIR DAMAGE ARISING FROM DEMOLITION OPERATION TO FLOOR WALL AND CEILING SURFACES. TO MATCH EXISTING. PATCH CHIPPED OR SPALLED CONCRETE CAUSED BY PARTITION REMOVAL. REMOVE ANY EXTRANEOUS MATERIAL AND PATCH TO MATCH ADJACENT SURFACES.
K. PATCH AND REPAIR OPENINGS IN AND/OR PENETRATIONS THROUGH EXISTING FIRE RATED ASSEMBLIES AND SMOKE PARTITION ASSEMBLIES.
L. AT UNEVEN AREAS AND DEPRESSIONS IN EXISTING CONCRETE FLOOR CONSTRUCTION, PROVIDE CEMENTITIOUS UNDERLAYMENT AS REQUIRED TO PROVIDE SUITABLE BASE CONDITIONS FOR NEW FINISHES) AND NEW CONSTRUCTION.
M. COORDINATE TIMING AND HOURS OF DEMOLITION OPERATIONS WITH OWNER'S SCHEDULE.
N. SAWCUT SLABS ON GRADE WHERE REQUIRED TO INSTALL NEW CONDUIT, PIPING, ETC. REFER ALSO TO STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS. PATCH AND REPAIR SLABS TO MATCH EXISTING.
O. CORE EXISTING FLOOR SLAB CONSTRUCTION FOR INSTALLATION OF CONDUIT, PIPING, ETC. REFER ALSO TO MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS. PATCH AND REPAIR SLABS TO MATCH EXISTING.
P. PROTECT WALLS, CEILINGS, FLOORS AND OTHER FINISH WORK THAT ARE TO REMAIN AND ARE EXPOSED WITHIN SELECTIVE DEMOLITION AREA.
Q. MAINTAIN EXITS AS NECESSARY FOR CONSTRUCTION SAFETY.
R. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT AND DEBRIS CAUSED BY SELECTIVE DEMOLITION AND NEW CONSTRUCTION OPERATIONS.
S. AT WALLS TO BE REFINISHED, REMOVE EXISTING MISCELLANEOUS ACCESSORIES TO FACILITATE INSTALLATION OF NEW FINISHES. PATCH, REPAIR, AND PREP WALLS TO RECEIVE NEW FINISHES. ITEMS REMOVED TO BE SALVAGED AND RETURNED TO THE OWNER.
T. MAINTAIN EXISTING ROOF DRAIN LINES AND SECURE AS REQUIRED TO RECEIVE NEW FINISHES. REFER TO PLUMBING DRAWINGS.

KEYNOTE LEGEND

- 1 REMOVE CEILING SYSTEM, LIGHTING, MECHANICAL GRILLES, AND ANY OTHER ATTACHED CEILING FIXTURES IN THIS AREA. SALVAGE LIGHTING, MECHANICAL GRILLES, AND ANY OTHER ATTACHED CEILING FIXTURES FOR REINSTALLATION. COORDINATE WITH MECHANICAL, ELECTRICAL, AND FIRE PROTECTION. PREPARE TO RECEIVE NEW FINISHES. COORDINATE EXTENTS WITH NEW CONSTRUCTION. EXISTING CEILING AND GRID TO REMAIN; PROTECT DURING CONSTRUCTION. CUT BACK EXISTING CEILING GRID FOR INSTALLATION OF NEW CURTAIN WALL PANELS AND FURRED WALL. PATCH EXISTING CEILING AFTER CURTAIN WALL INSTALLATION TO MATCH EXISTING CONDITIONS.
2
3

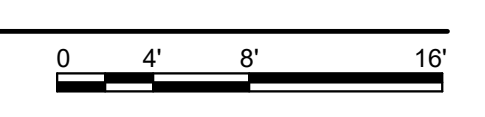
ROOM SCHEDULE

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PLAN LEGEND

- EXISTING CONSTRUCTION TO REMAIN
EXISTING CONSTRUCTION TO BE DEMOLISHED

A1 300 LEVEL DEMOLITION REFLECTED CEILING PLAN SCALE: 1/8" = 1'-0"



Logos for BCL CONSULTING, Ide, CMTA, and schaefer.

Table with 2 columns: MARK and DESCRIPTION. Includes grid lines AA, BB, CC, DD and various room numbers.

Table with 2 columns: FIELD and DATE. Includes fields for DESIGNED BY, DRAWN BY, CHECKED BY, DATE, PROJECT NO., and PROJECT.

CLARK STATE COLLEGE RHODES HALL RENOVATIONS PHASE 4 570 LEFFEL LANE SPRINGFIELD, OH 45505 300 LEVEL DEMOLITION REFLECTED CEILING PLAN



SHEET IDENTIFICATION

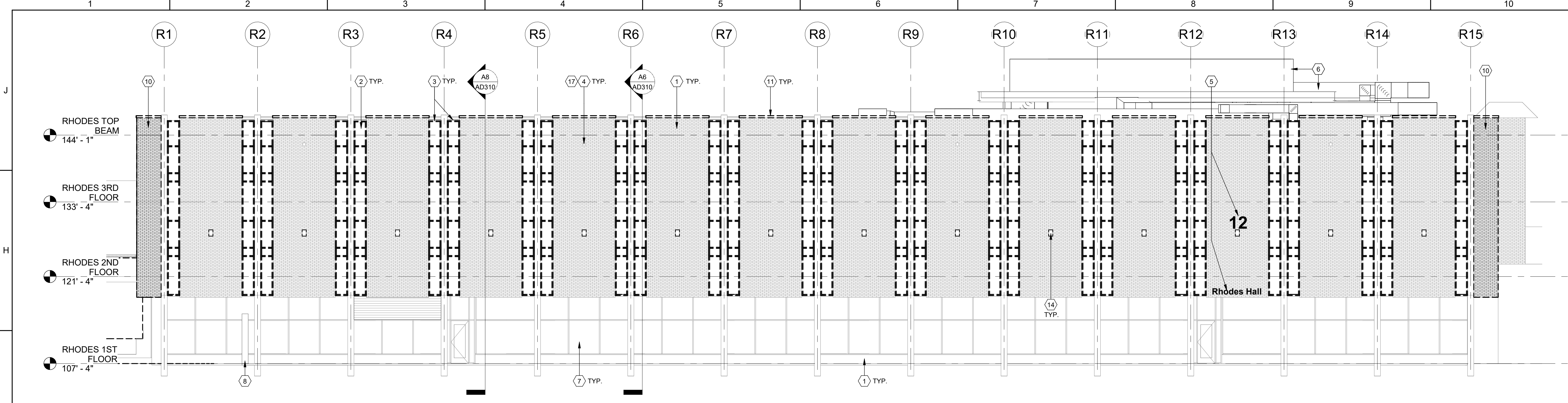
AD113

GENERAL EXTERIOR DEMOLITION NOTES

- A. REFER TO SHEET A-001 FOR PROJECT GENERAL NOTES.
- B. ALL EXTERIOR STOREFRONT FRAME AND GLAZING TO BE REMOVED SHALL BE DONE SO WITH EXTREME CARE TO NOT DAMAGE EXISTING BRICK ESPECIALLY ON HORIZONTAL SURFACES.
- C. ALL CAULKING IS CONSIDERED TO HAVE ASBESTOS. REVIEW SPECIFICATION AND ENVIRONMENTAL REPORT FOR REMOVING. REMOVAL SHALL BE PERFORMED IN ACCORDANCE WITH ALL LAWS GOVERNING ABATEMENT OF HAZARDOUS MATERIALS.
- D. PREP ALL LINTELS FOR PAINT WHEN THERE IS REMOVAL OF STOREFRONT/CURTAIN WALL FRAME REMOVAL. ASSUME PAINT HAS LEAD. REMOVAL SHALL BE PERFORMED IN ACCORDANCE WITH ALL LAWS GOVERNING ABATEMENT OF HAZARDOUS MATERIALS. REFER TO SPECIFICATIONS.
- E. ALL OPENINGS WHEN EXPOSED TO WEATHER SHALL BE PROTECTED FROM INCLEMENT WEATHER AT ALL TIMES EXCEPT WHEN WORK IS BEING DONE.

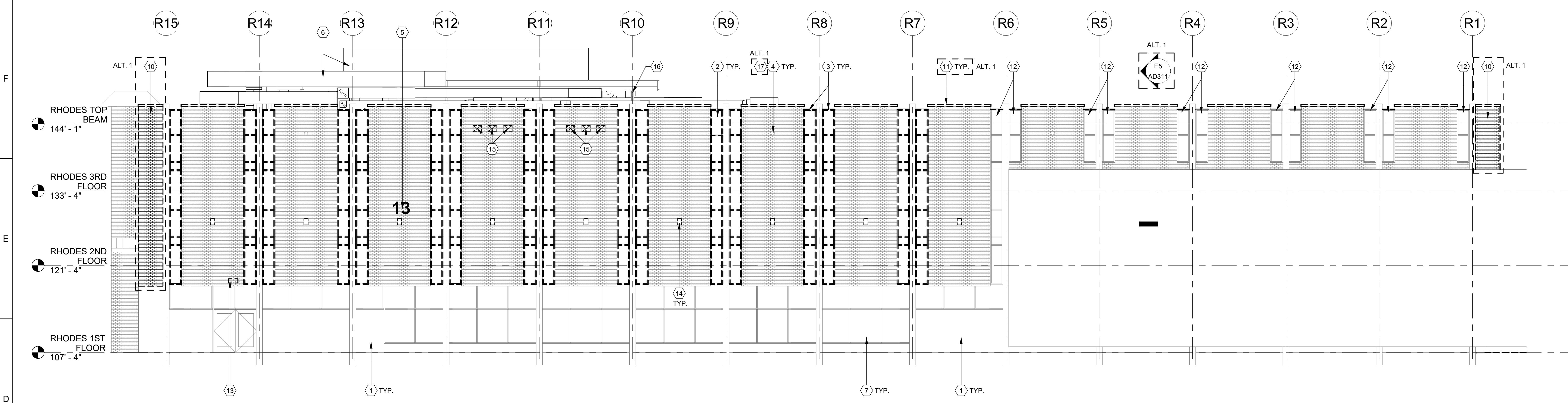
KEYNOTE LEGEND

- 1 EXISTING BRICK MASONRY TO REMAIN
- 2 REMOVE EXISTING CURTAIN WALL ASSEMBLY IN ITS ENTIRETY, TAKING CARE TO PRESERVE EXISTING CONSTRUCTION AT INTERIOR FACE OF CURTAIN WALL ASSEMBLY, TYPICAL FLOORS 2 AND 3
- 3 REMOVE METAL FASCIA AT CURTAIN WALL AND SAVE FOR REINSTALLATION
- 4 EXISTING THRU-WALL SCUPPER TO REMAIN
- 5 REMOVE AND TURN OVER TO OWNER EXISTING BUILDING SIGNAGE
- 6 EXISTING ROOFTOP MECHANICAL EQUIPMENT & DUCTWORK TO REMAIN
- 7 EXISTING STOREFRONT TO REMAIN, TYPICAL AT FIRST FLOOR
- 8 EXISTING RETAINING WALL TO REMAIN
- 9 EXISTING STOREFRONT TO REMAIN
- 10 REMOVE AND SALVAGE BRICK VENEER ON ENTIRE VERTICAL FACE UP TO PARAPET CAP, TAKING CARE TO PRESERVE EXISTING FLASHING AND WATERPROOFING MEMBRANE BEHIND THE BRICK. REMOVE EXISTING BRICK ANCHORING SYSTEM, BEING CAREFUL NOT TO DAMAGE EXISTING WATERPROOFING MEMBRANE, RE: 'S' DRAWINGS.
- 11 REMOVE METAL FASCIA
- 12 EXISTING CURTAIN WALL ASSEMBLY TO REMAIN; PROTECT DURING CONSTRUCTION
- 13 EXISTING SECURITY CAMERA TO BE REMOVED AND STORED FOR REINSTALLATION
- 14 REMOVE EXISTING LIGHTS, TYP.
- 15 REMOVE EXISTING FUME EXHAUST LOUVERS, RE: 'M' DRAWINGS
- 16 EXISTING SECURITY CAMERA TO REMAIN
- 17 REMOVE COWS TONGUE NOZZLE AND FLANGE FROM THRU-WALL SCUPPER AND SALVAGE FOR REINSTALLATION



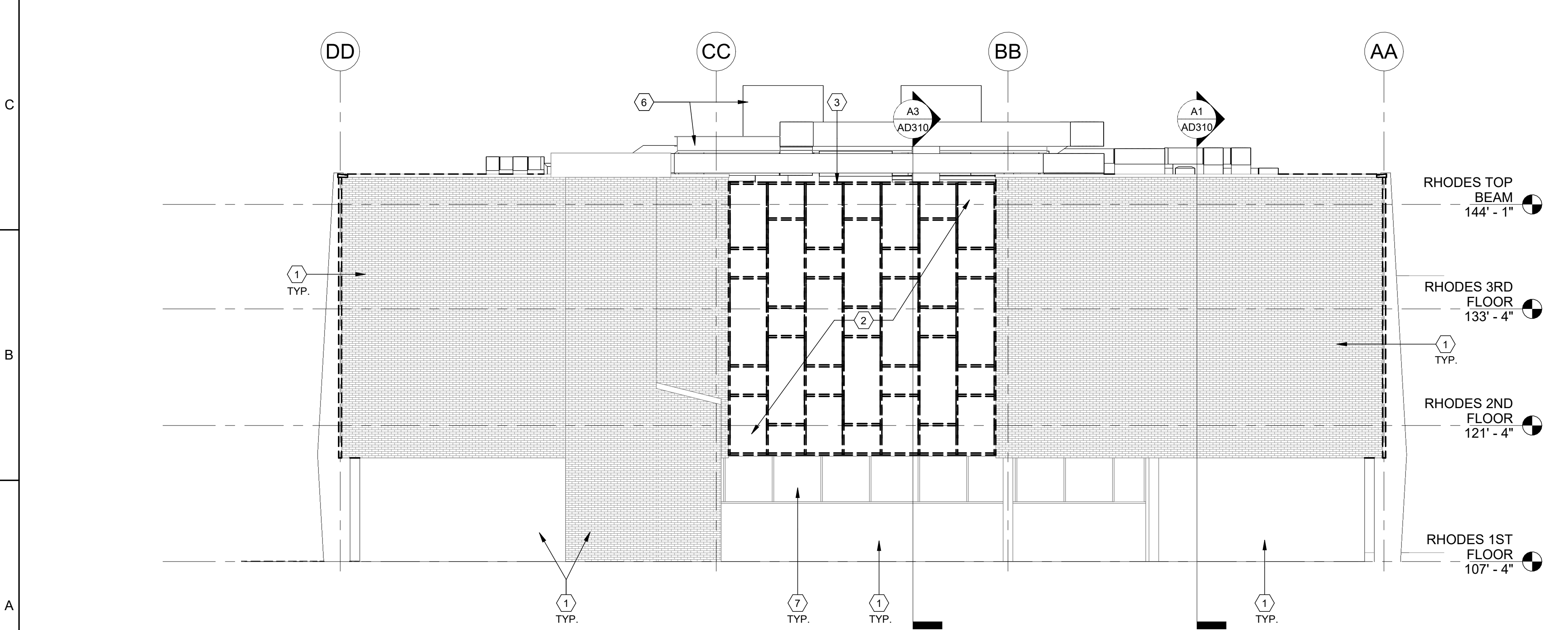
G1 RHODES DEMO SOUTH ELEVATION

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



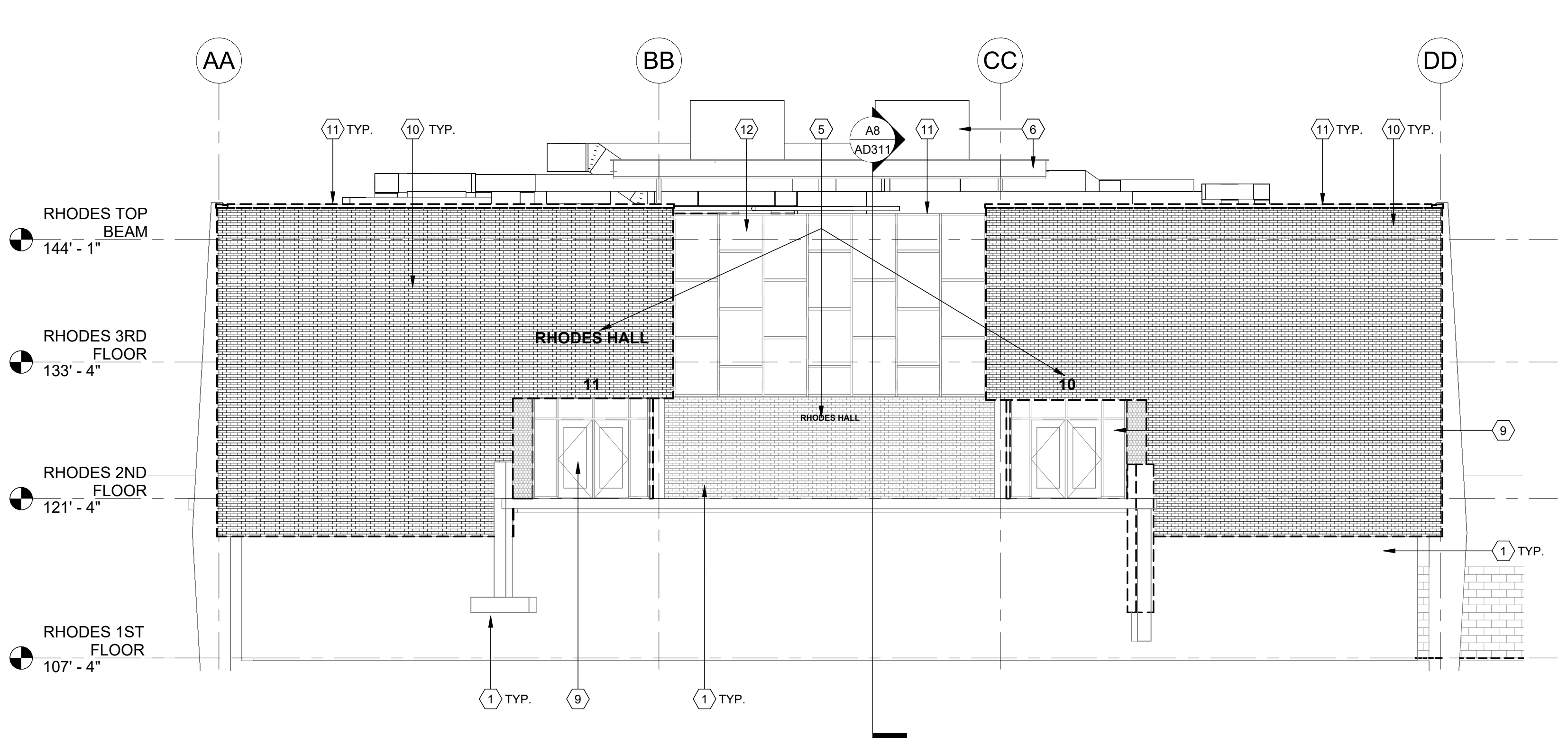
D1 RHODES DEMO NORTH ELEVATION

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



A2 RHODES DEMO EAST ELEVATION

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



A7 RHODES DEMO WEST ELEVATION

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

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ENGINEERING

emerson design llc
310 Culvert Street, Suite 189
Cincinnati, Ohio 45202
513.841.5189
emersondesign.com

DATE	DESCRIPTION

DESIGNED BY: J. CRENS	DATE: 03/13/2023
DRAWN BY: A. ROSSIGNOL S. KIMBALL	CHECKED BY: J. SWENEY
SHEET SIZE: 30x42	PROJECT NO. / 252501
FILE NAME:	PLAT SCALE: As indicated

CLARK STATE COLLEGE RHODES HALL RENOVATIONS
PHASE 4
570 LEFFEL LANE
SPRINGFIELD, OH 45505
DEMOLITION BUILDING ELEVATIONS

CHRISTINA WILLIS
STATE OF OHIO
REGISTERED ARCHITECT
03/13/2023

SHEET IDENTIFICATION

AD201

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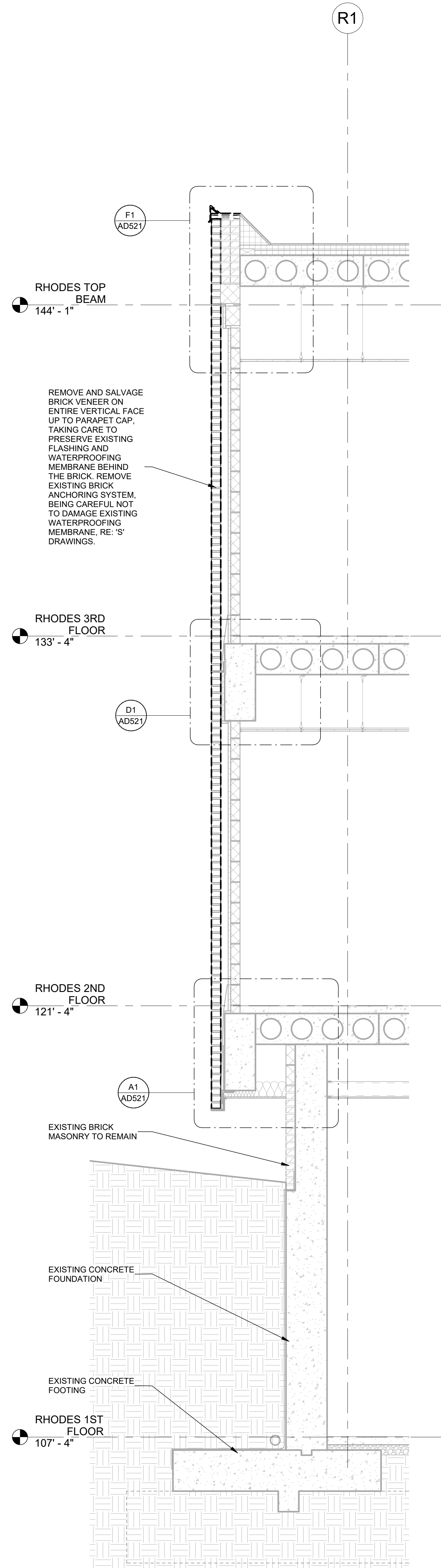
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schaefer

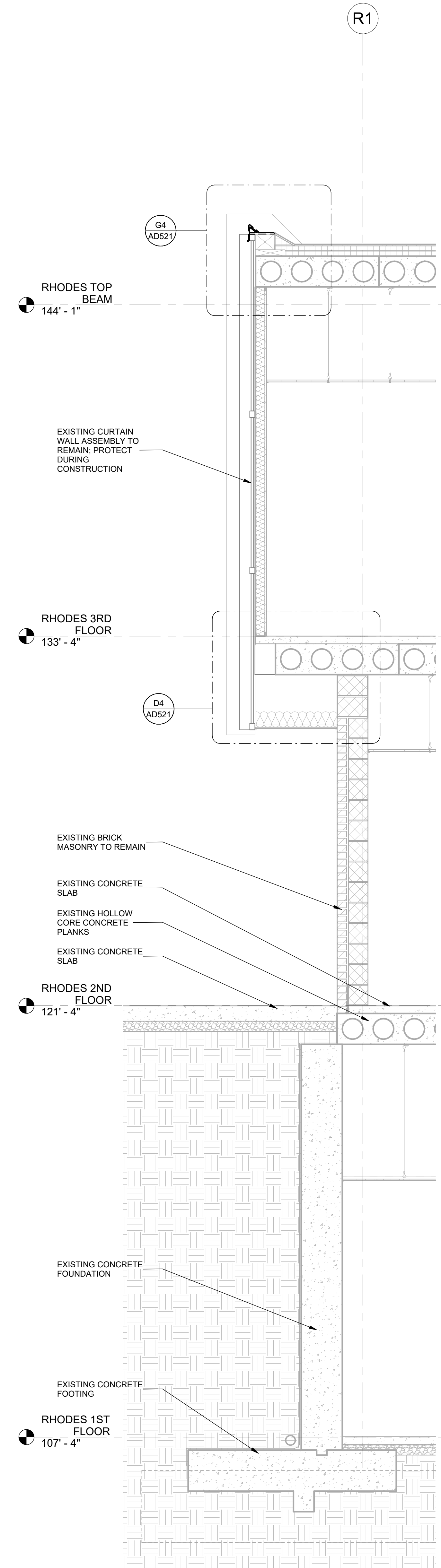
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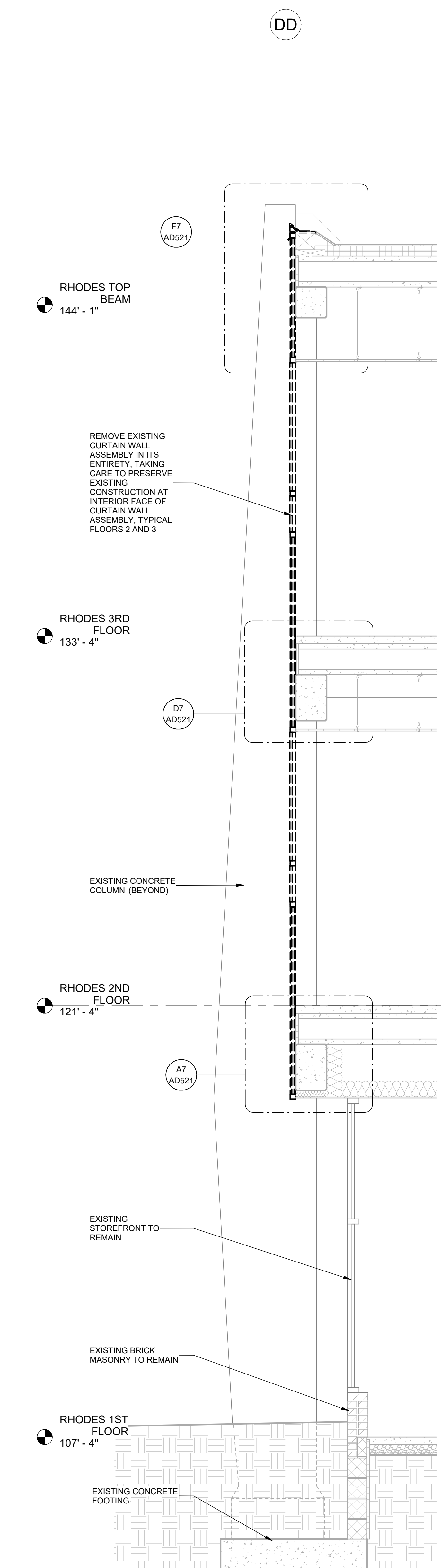
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513 841 5889
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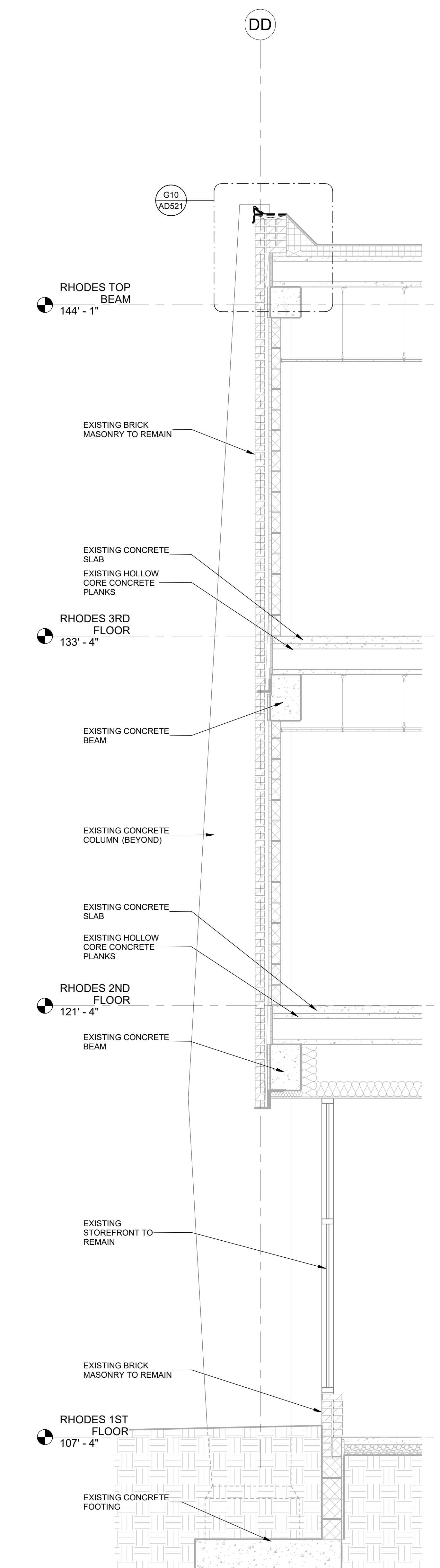
A1 DEMOLITION WALL SECTION
SCALE: 1/2" = 1'-0"



A3 DEMOLITION WALL SECTION
SCALE: 1/2" = 1'-0"



A6 DEMOLITION WALL SECTION
SCALE: 1/2" = 1'-0"



A8 DEMOLITION WALL SECTION
SCALE: 1/2" = 1'-0"

MARK	DESCRIPTION	DATE

DESIGNED BY: J. CHENG	CHECKED BY: J. SWENEY	DATE: 03/13/2023
DRAWN BY: S. SHIBALL	PROJECT NO.:202201	PROJECT NAME: CLARK STATE COLLEGE RHODES HALL RENOVATIONS PHASE 4
SHEET SIZE: 30x42	PLANT SCALE: As Indicated	FILE NAME:

CLARK STATE COLLEGE RHODES HALL RENOVATIONS
PHASE 4
570 LEFFEL LANE
SPRINGFIELD, OH 45505

DEMOLITION WALL SECTIONS

STATE OF OHIO
CHRISTINA WILLIS
REGISTERED ARCHITECT
03/13/2023

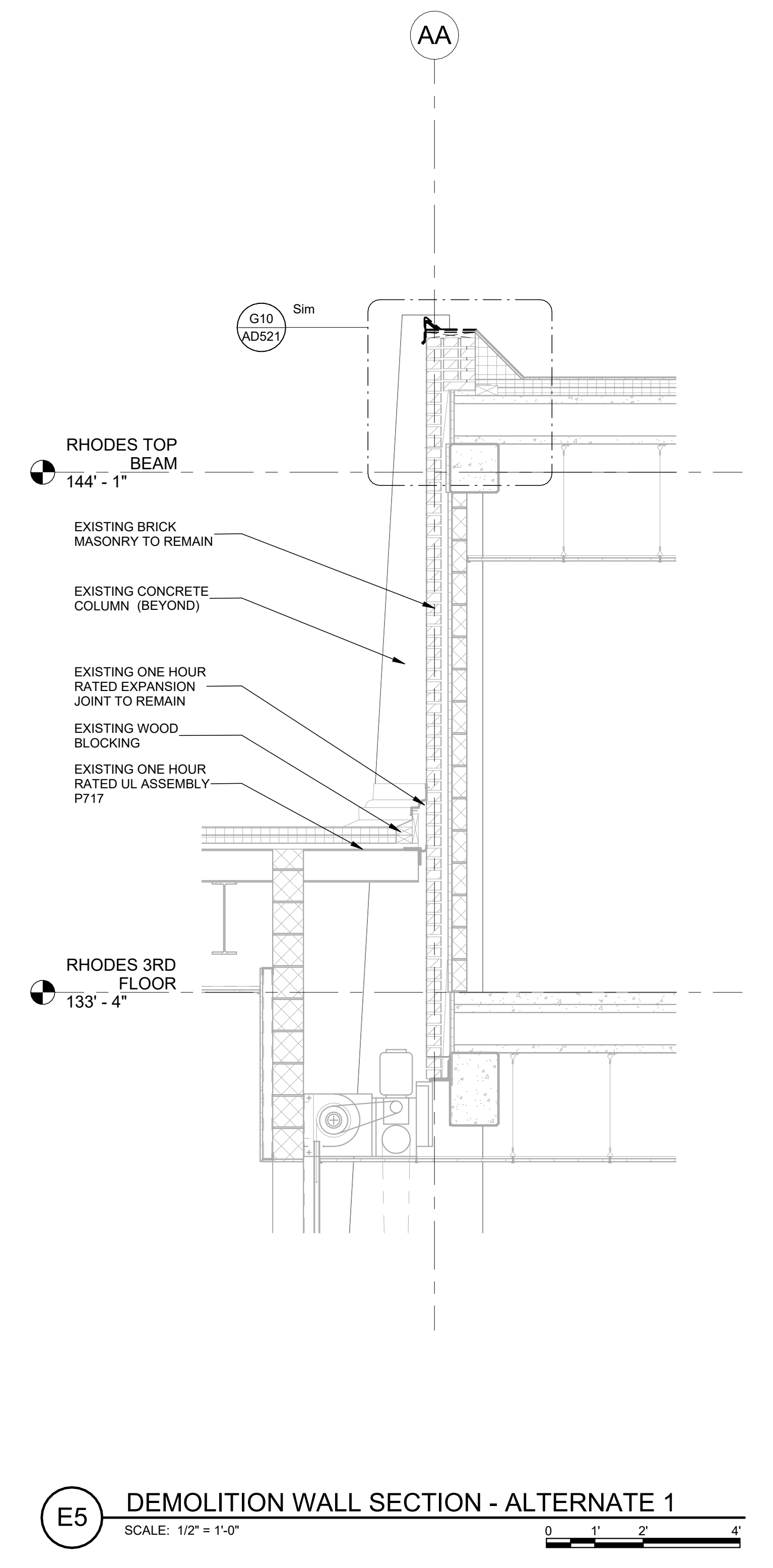
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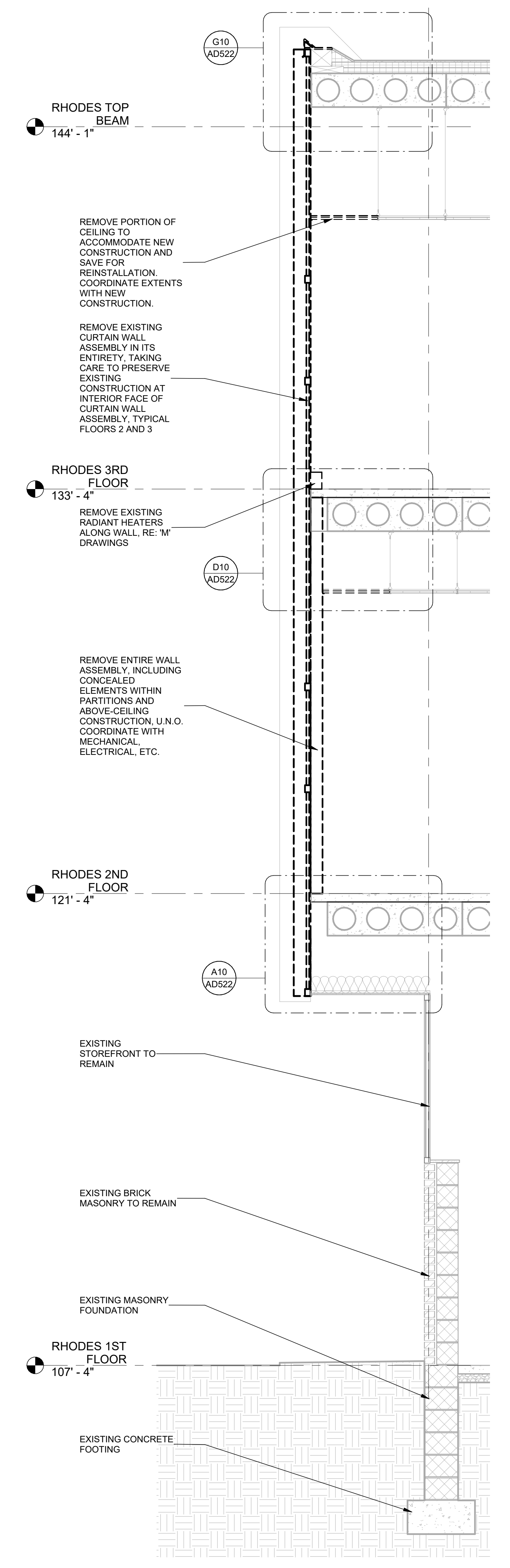
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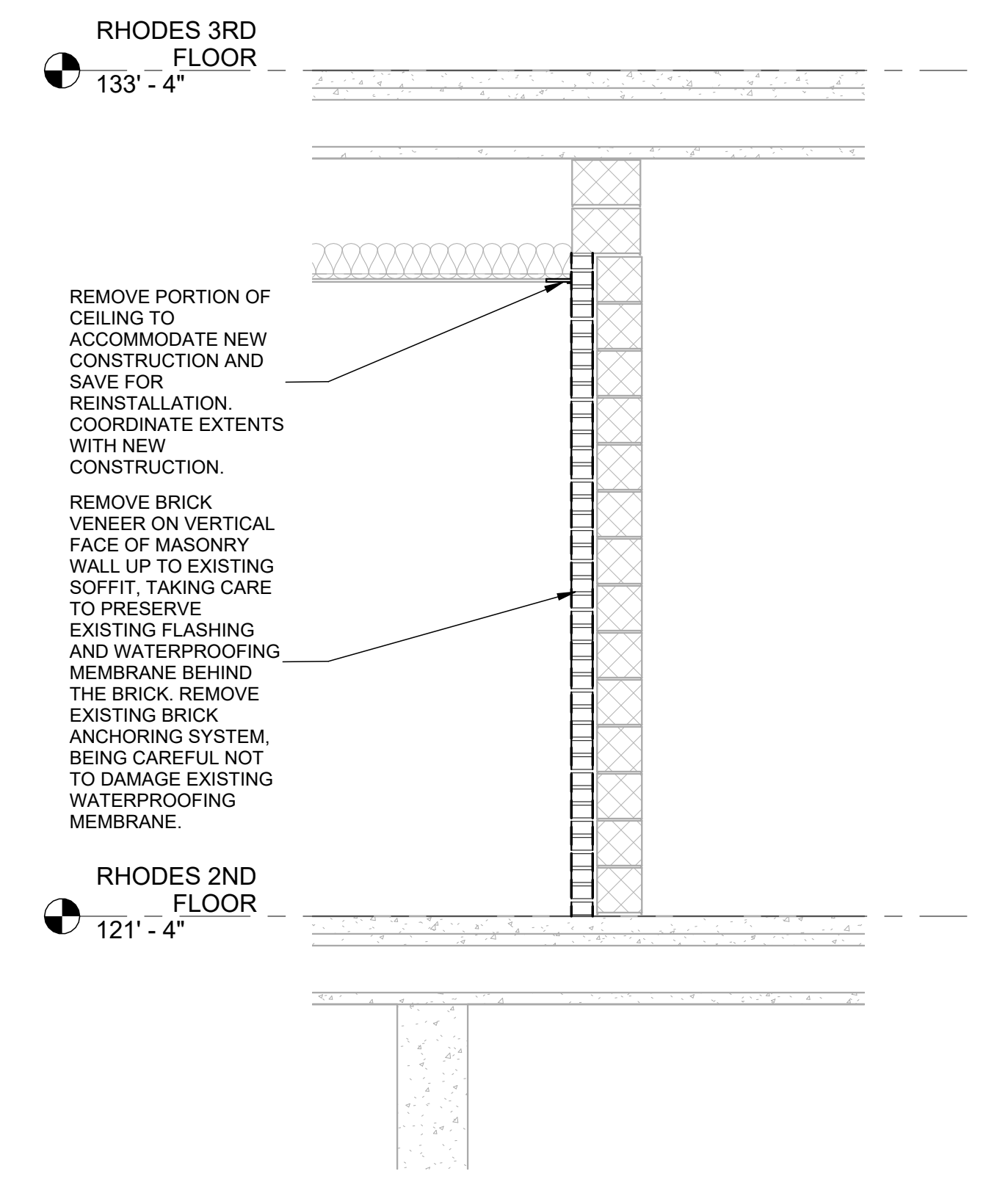
EMERSON DESIGN
 ARCHITECTURE emerson design llc
 INTERIORS 310 Culvert Street, Suite 100
 SUSTAINABILITY Cincinnati, Ohio 45202
 PLANNING 513.841.5089
 ENGINEERING emersondesign.com



E5 DEMOLITION WALL SECTION - ALTERNATE 1
 SCALE: 1/2" = 1'-0"



A8 DEMOLITION WALL SECTION
 SCALE: 1/2" = 1'-0"



C3 DEMOLITION WALL SECTION
 SCALE: 1/2" = 1'-0"

MARK	DESCRIPTION	DATE

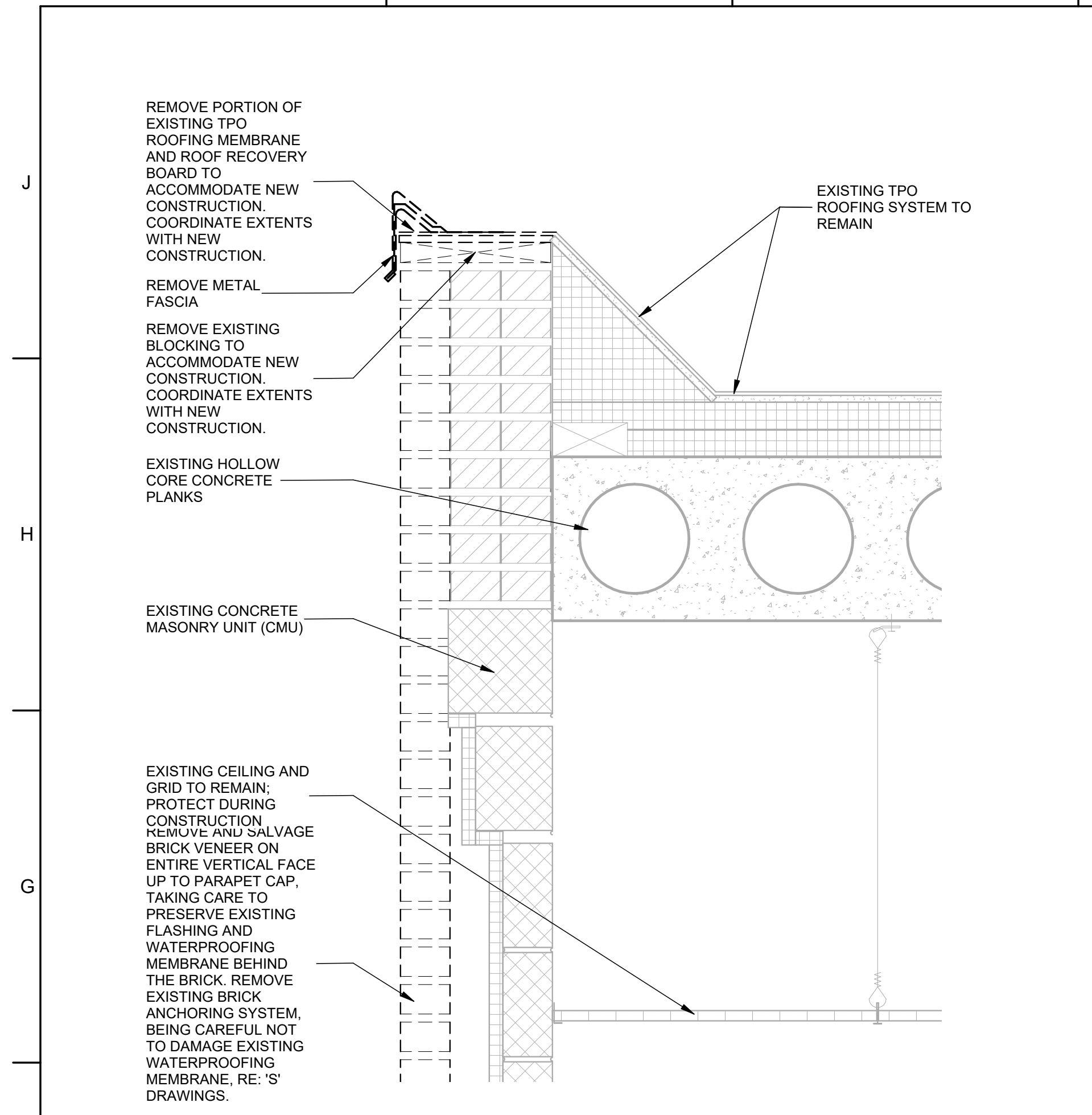
DESIGNED BY: J. CRENS	CHECKED BY: J. SWENEY	DATE: 03/13/2023
DRAWN BY: S. KIMBALL	PROJECT NO.: 20201	PROJECT NAME: CLARK STATE COLLEGE RHODES HALL RENOVATIONS
SHEET NO.: 3042	PLANT SCALE: As indicated	PHASE: PHASE 4
FILE NAME:		

CLARK STATE COLLEGE RHODES HALL RENOVATIONS
 PHASE 4
 570 LEFFEL LANE
 SPRINGFIELD, OH 45505
 DEMOLITION WALL SECTIONS

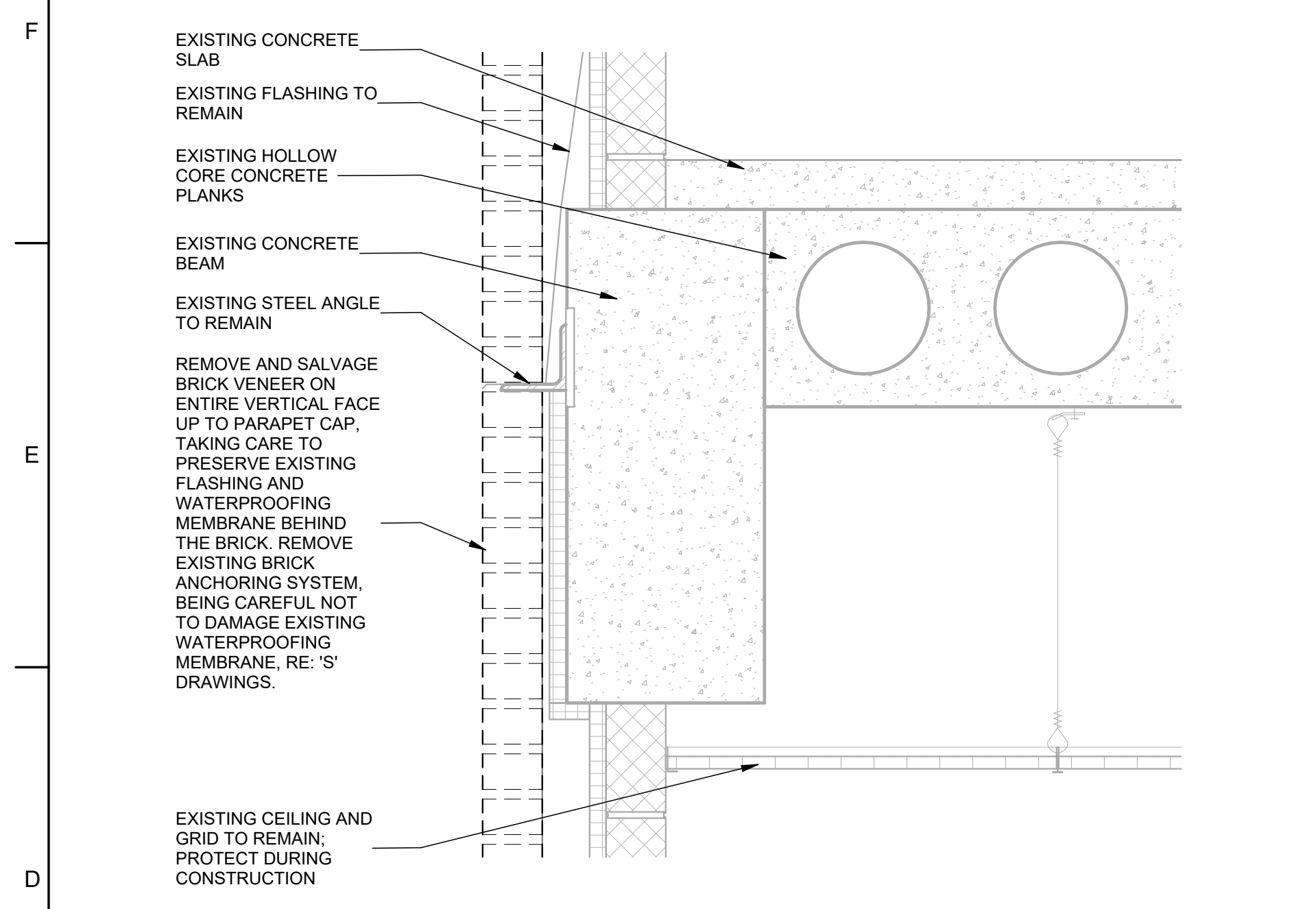


SHEET IDENTIFICATION

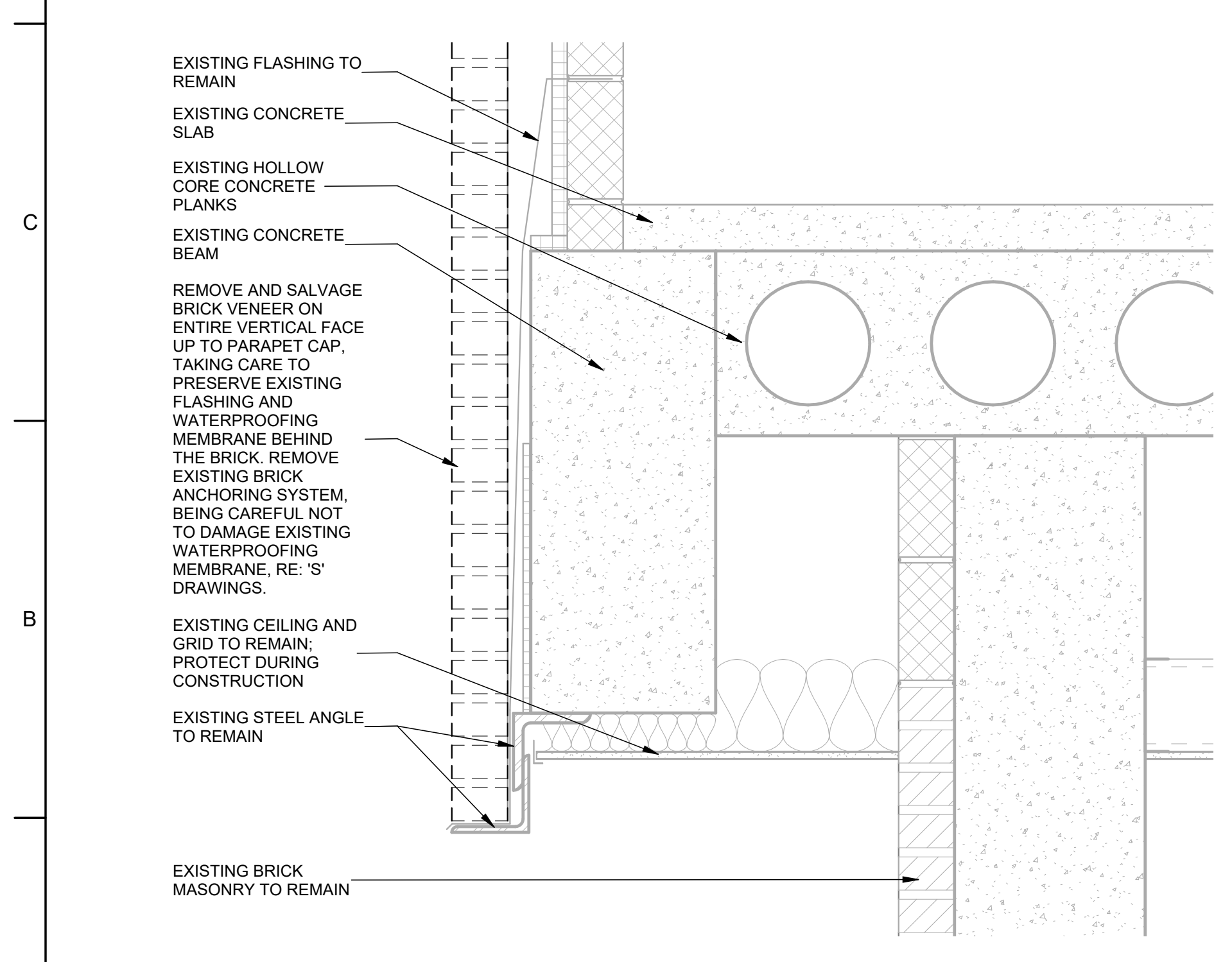
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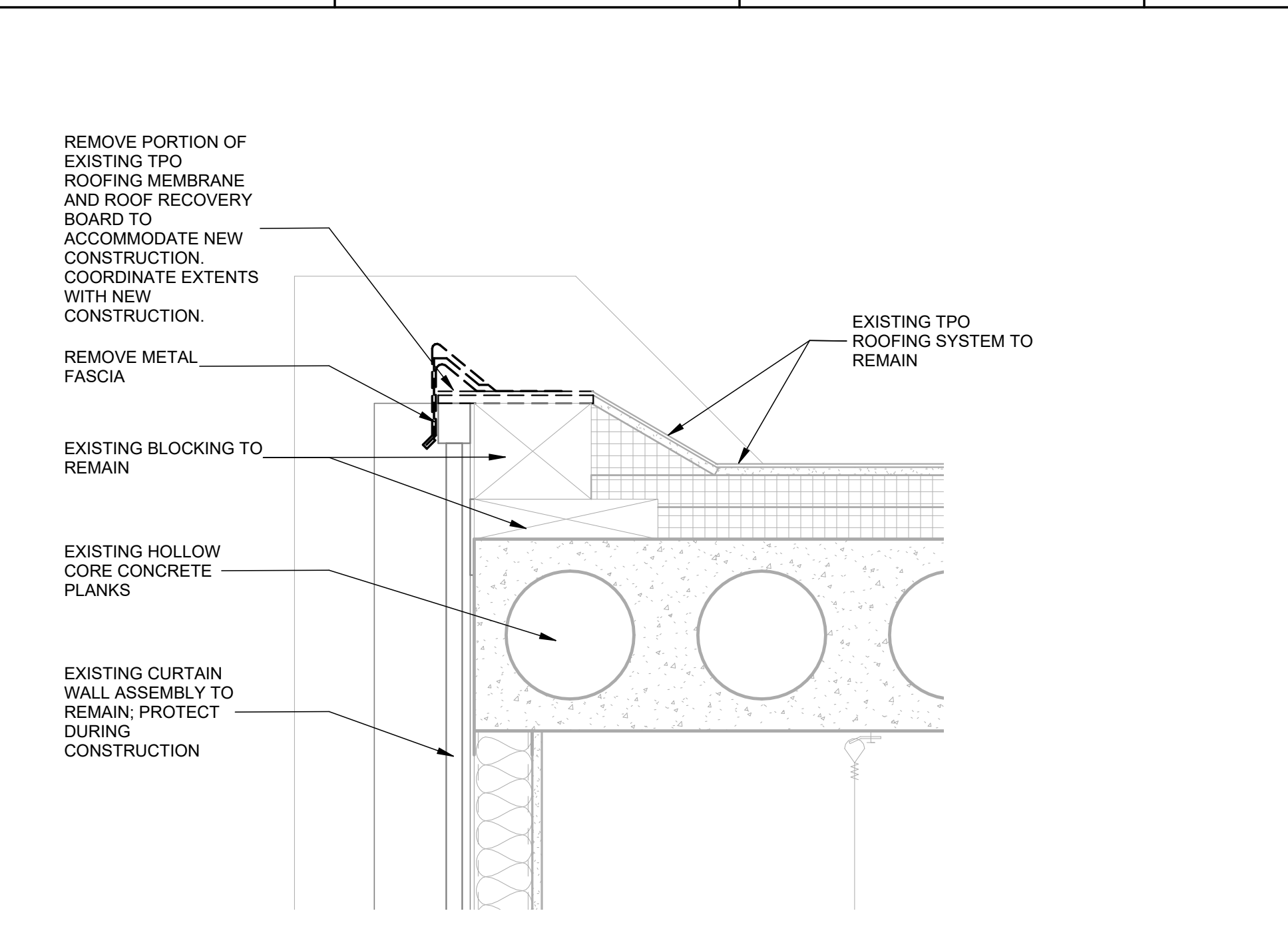
F1 DEMOLITION DETAIL
SCALE: 1 1/2" = 1'-0"



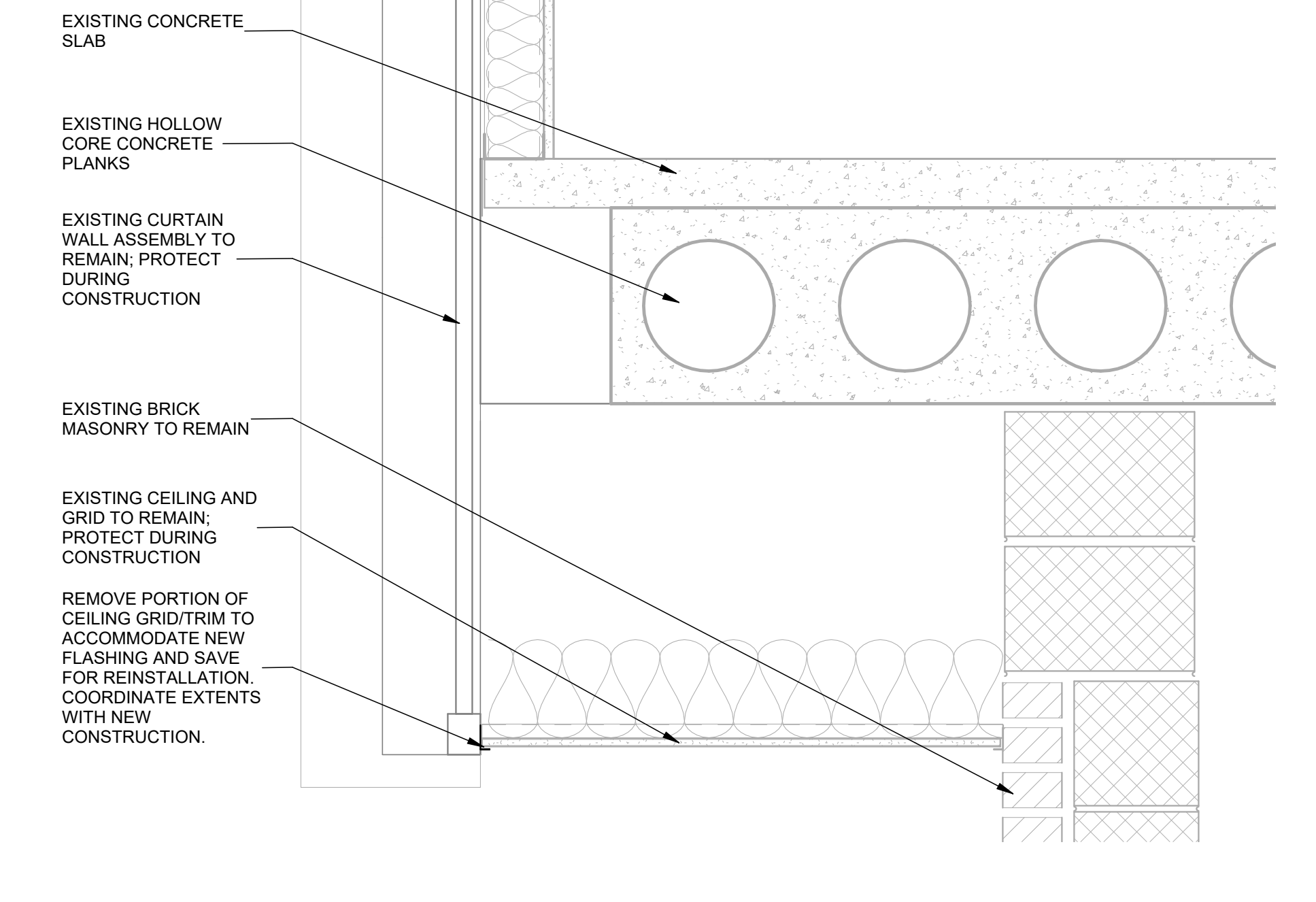
D1 DEMOLITION DETAIL
SCALE: 1 1/2" = 1'-0"



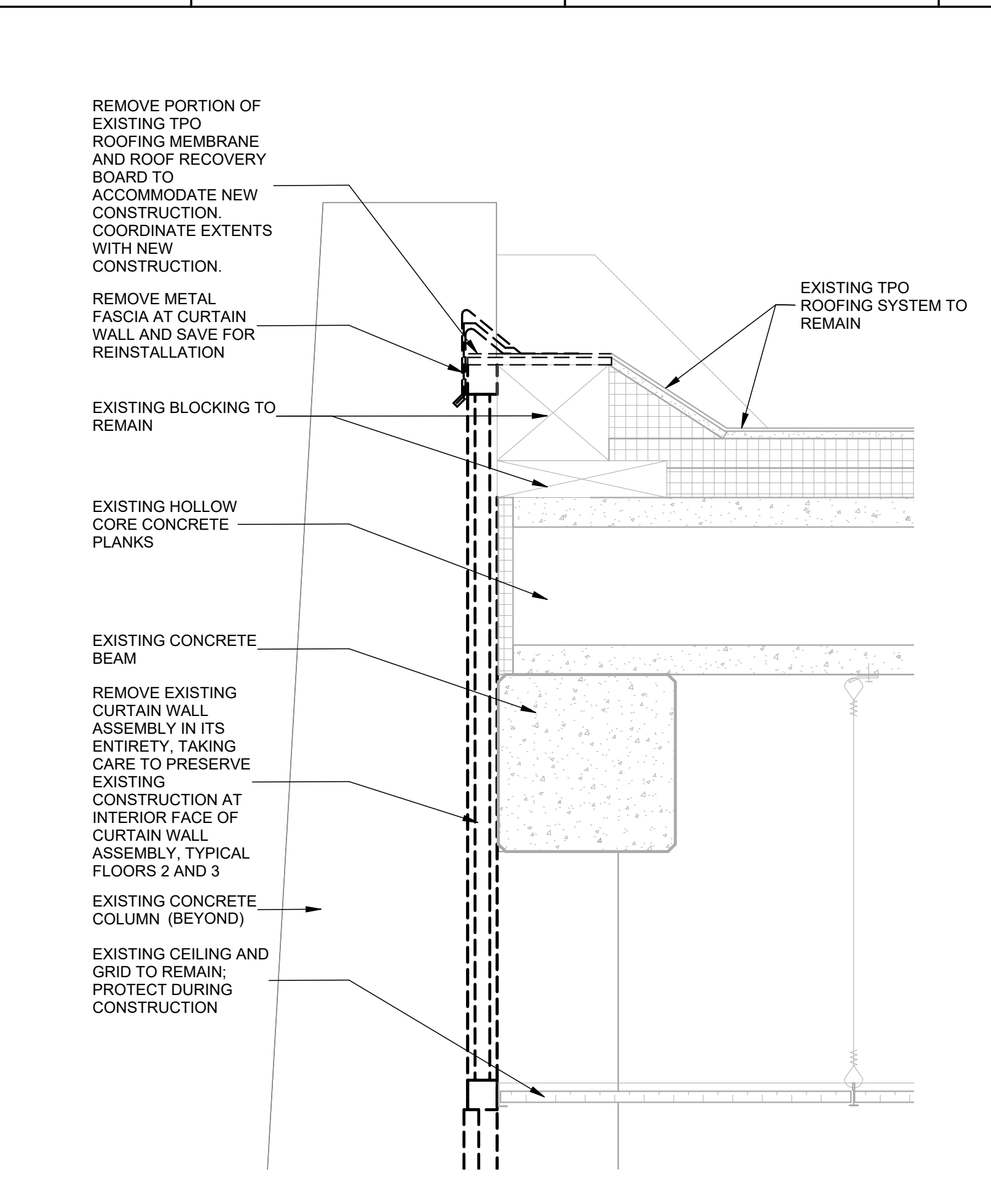
A1 DEMOLITION DETAIL
SCALE: 1 1/2" = 1'-0"



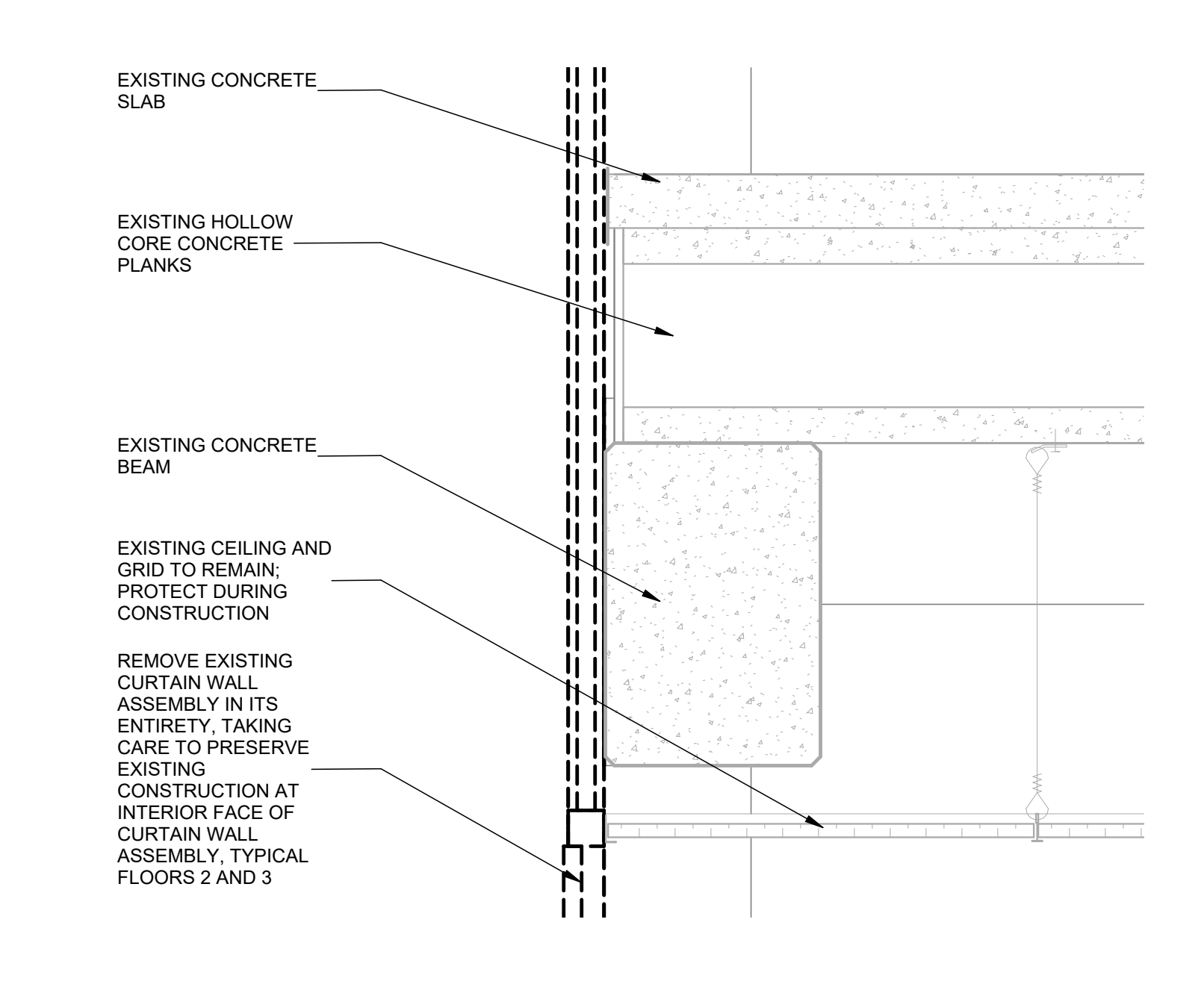
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SCALE: 1 1/2" = 1'-0"



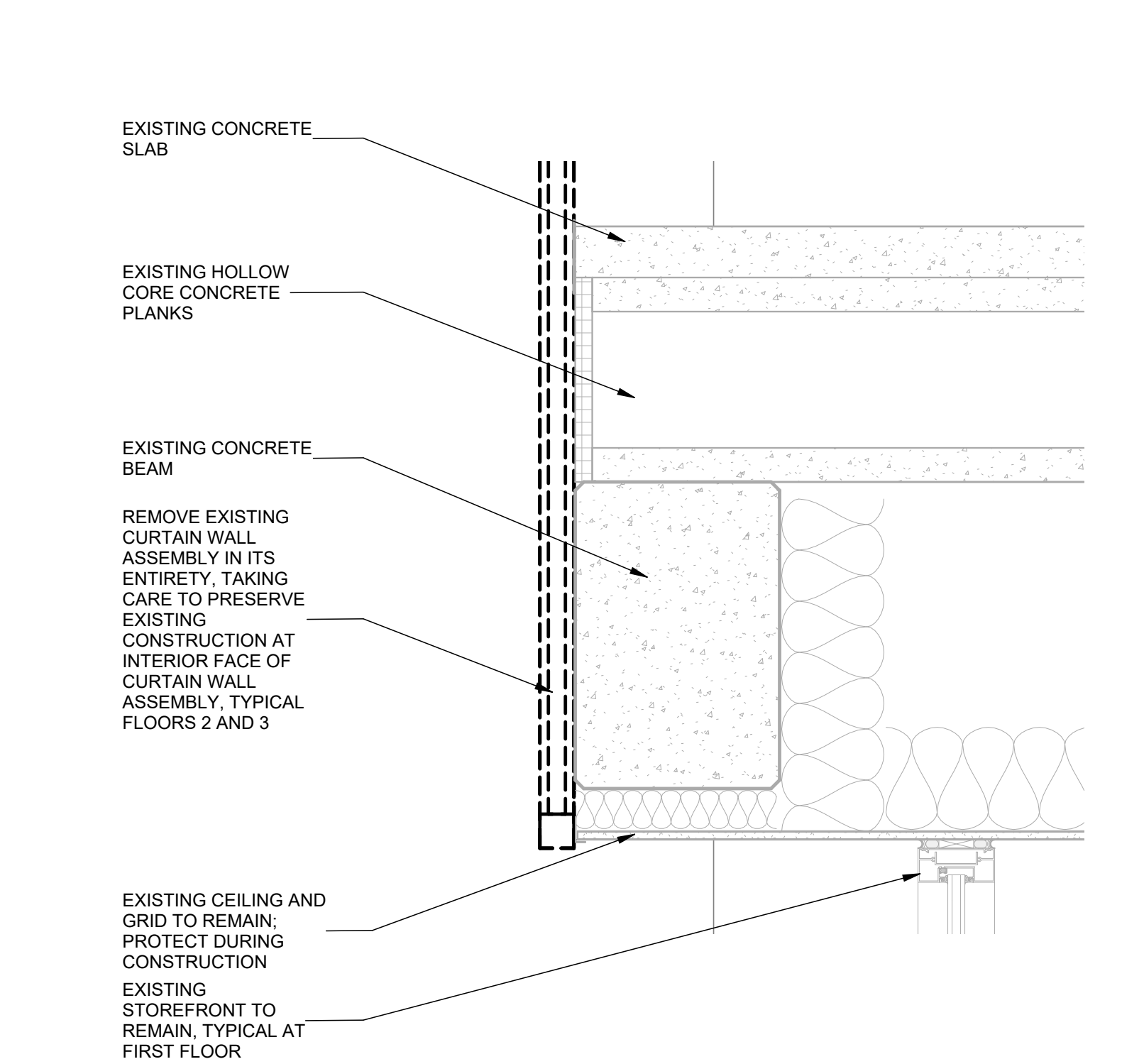
D4 DEMOLITION DETAIL
SCALE: 1 1/2" = 1'-0"



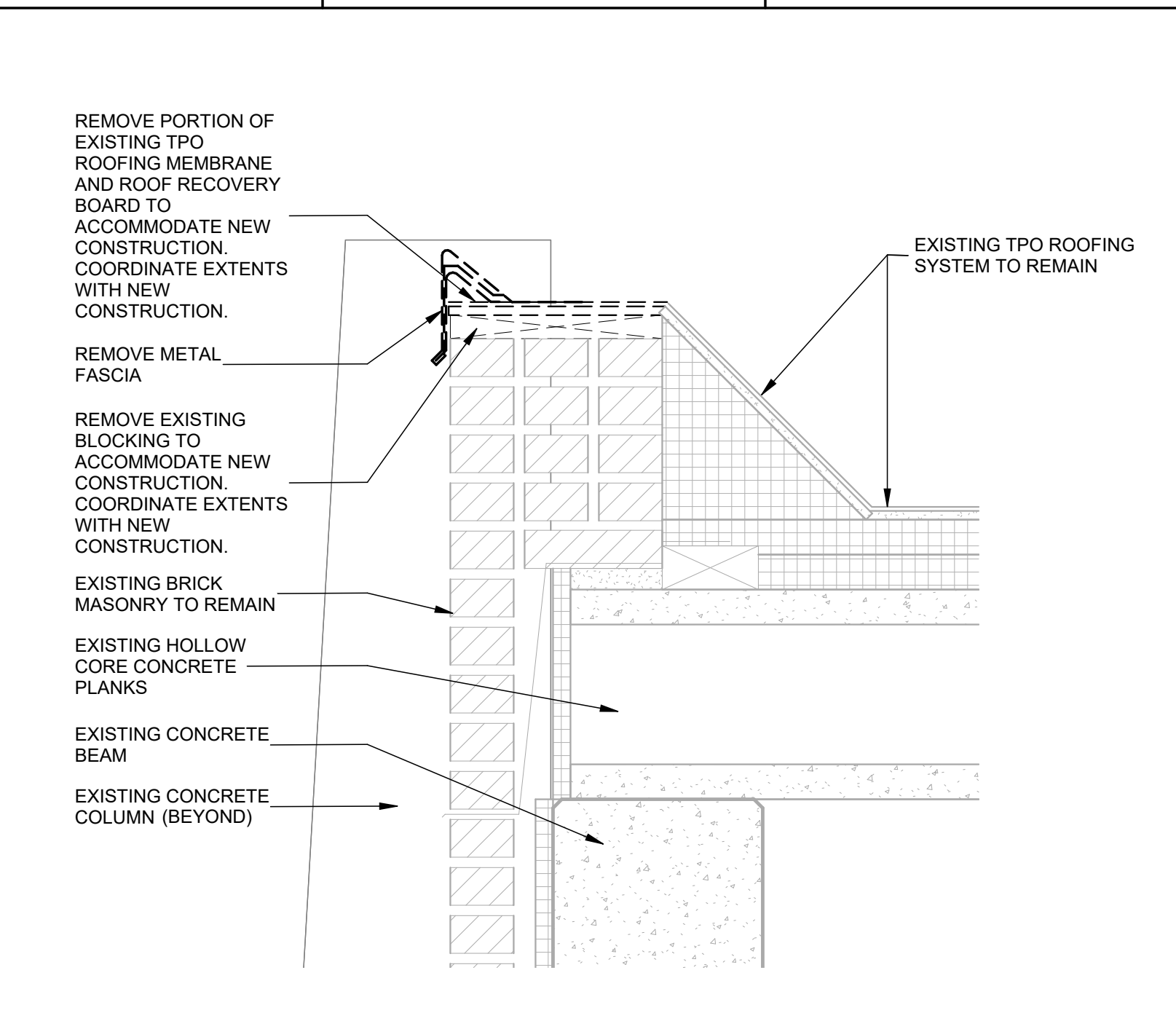
F7 DEMOLITION DETAIL
SCALE: 1 1/2" = 1'-0"



D7 DEMOLITION DETAIL
SCALE: 1 1/2" = 1'-0"



A7 DEMOLITION DETAIL
SCALE: 1 1/2" = 1'-0"

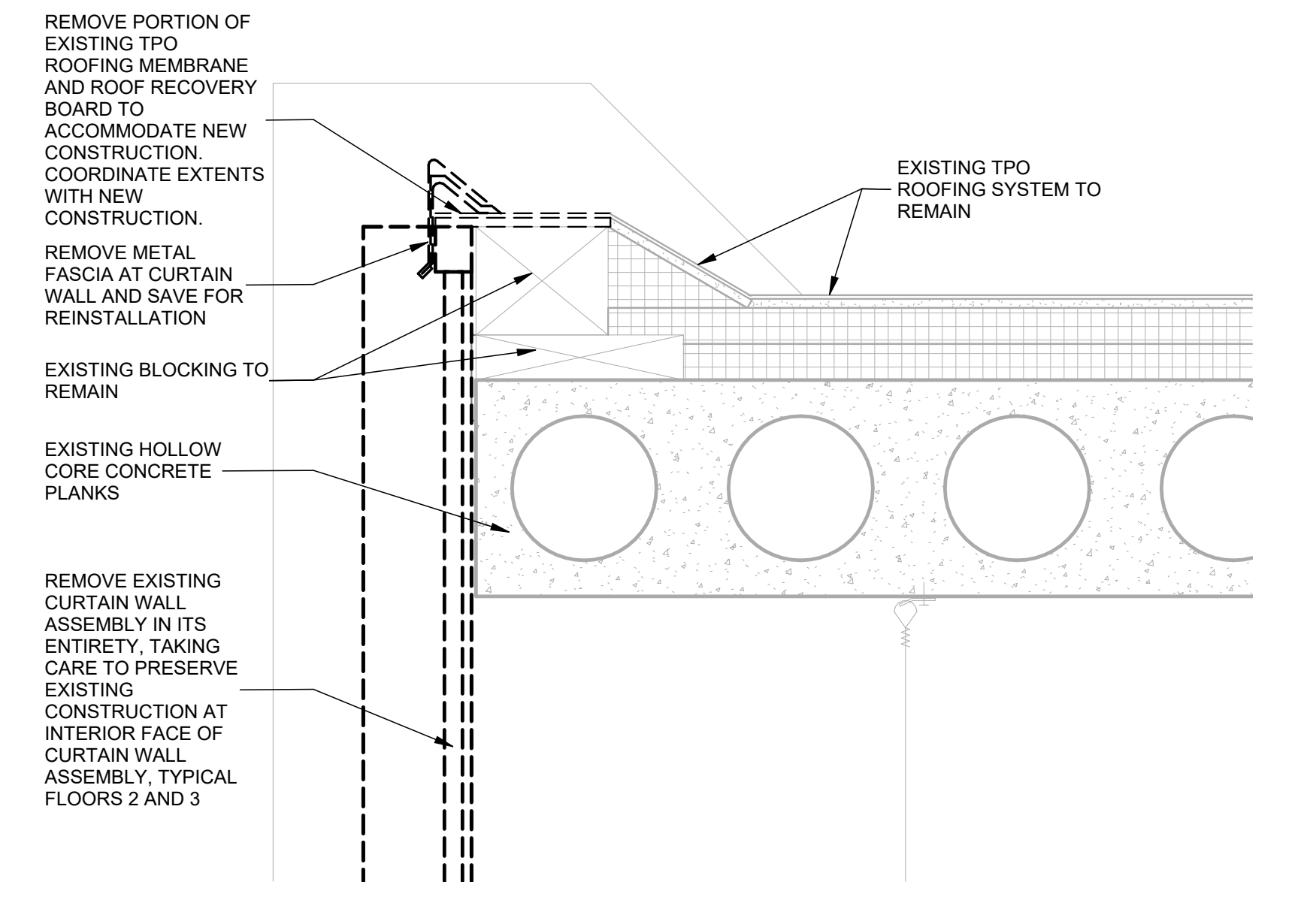


G10 DEMOLITION DETAIL
SCALE: 1 1/2" = 1'-0"

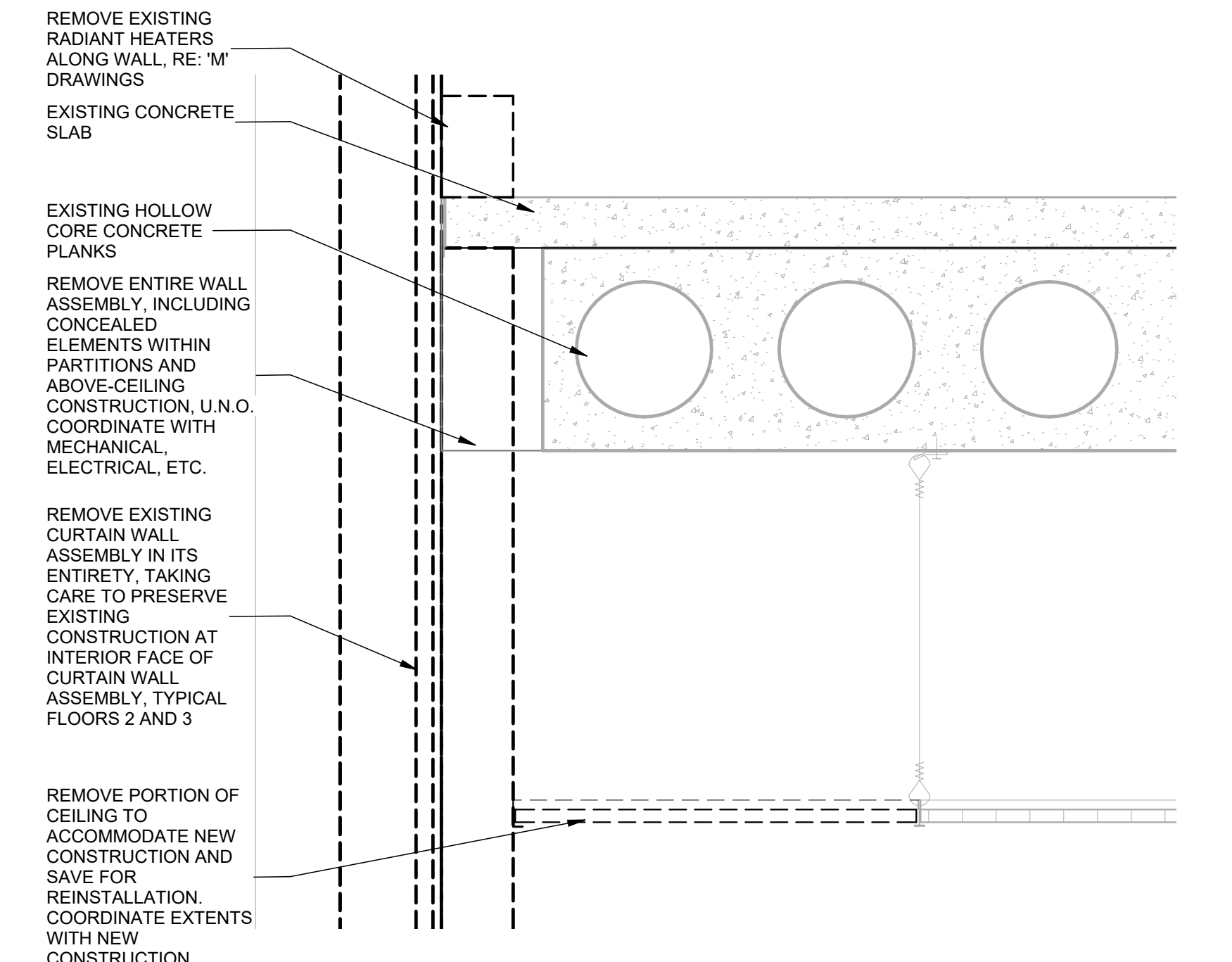
 EMERSON DESIGN ARCHITECTURE DESIGN, LLC INTERIORS SUSTAINABILITY PLANNING ENGINEERING 310 Culvert Street Suite 100 Cincinnati, Ohio 45202 513.841.5889 emersondesign.com	
PROJECT NO.: 25201 DRAWN BY: J. WELDMAN CHECKED BY: J. SWENEY S. KIMBALL PROJECT MANAGER SHEET SIZE: 30x42 FILE NAME:	DATE: 03/13/2023 DATE: 02/20/23 DATE: 02/20/23 DATE: 02/20/23 DATE: 02/20/23 DATE: 02/20/23 DATE: 02/20/23 DATE: 02/20/23 DATE: 02/20/23
CLARK STATE COLLEGE RHODES HALL RENOVATIONS PHASE 4 570 LEFFEL LANE SPRINGFIELD, OH 45505 DEMOLITION SECTION DETAILS	
SHEET IDENTIFICATION AD521	

J
H
G
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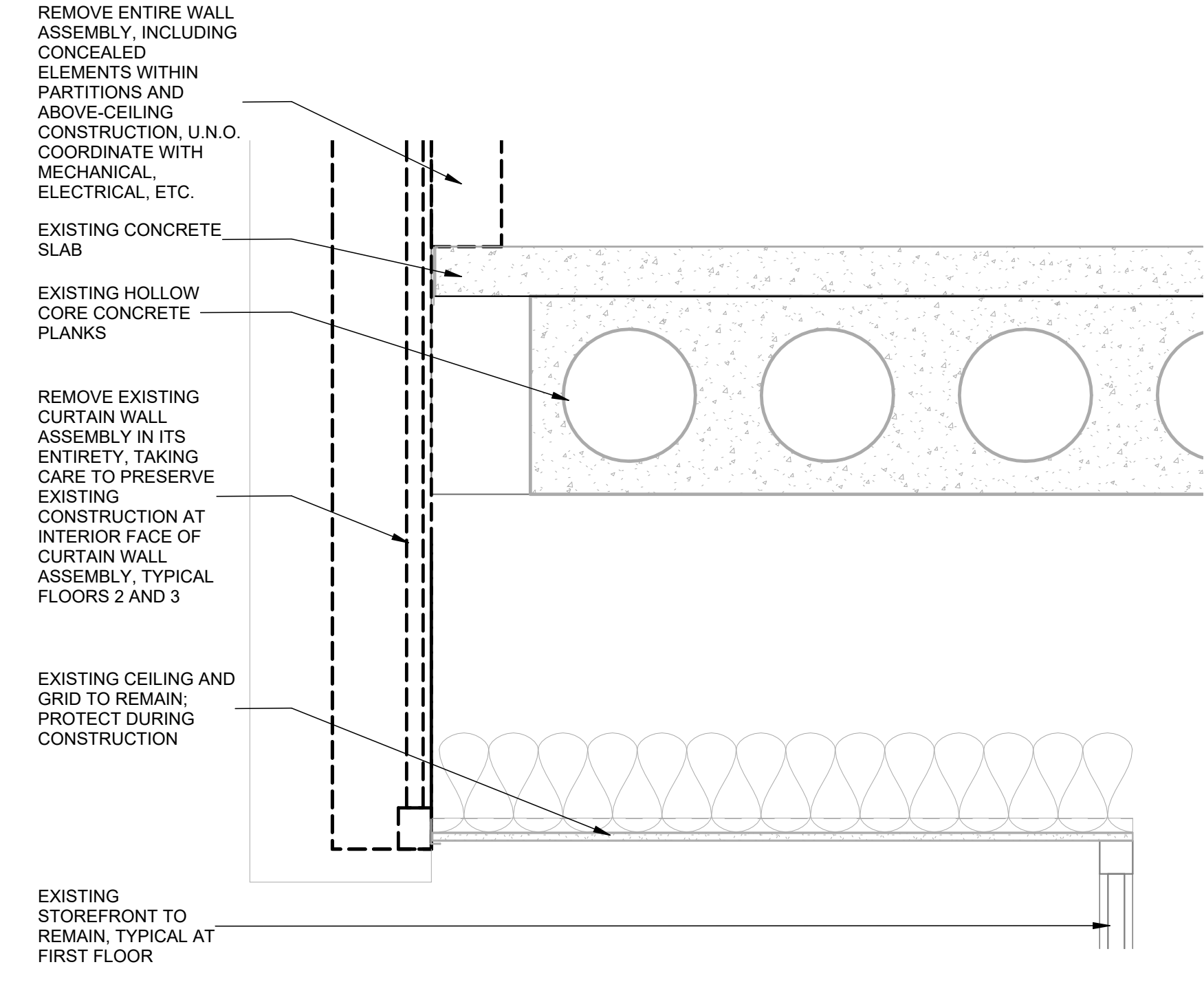
1 2 3 4 5 6 7 8 9 10 11 12



G10 DEMOLITION DETAIL
SCALE: 1 1/2" = 1'-0"



D10 DEMOLITION DETAIL
SCALE: 1 1/2" = 1'-0"



A10 DEMOLITION DETAIL
SCALE: 1 1/2" = 1'-0"

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Idc

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ARCHITECTURE INTERIORS SUSTAINABILITY PLANNING ENGINEERING
emersondesign.com

emerson DESIGN LLC
310 Culvert Street Suite 100
Cincinnati, Ohio 45202
513.841.9389

DATE	DESCRIPTION	MARK

CLARK STATE COLLEGE RHODES HALL RENOVATIONS
PHASE 4
570 LEFFEL LANE
SPRINGFIELD, OH 45505
DEMOLITION SECTION DETAILS

DESIGNED BY: J. CRENS
DRAWN BY: J. FELDERMAN
CHECKED BY: J. SIMENEY
PROJECT NO.: 202201
MANAGER: S. KIMBALL
SHEET NO.: 3042
SHEET SIZE: 11" x 17"
FILE NAME:

STATE OF OHIO
CHRISTINA WILLIS
3042
03/13/2023

SHEET IDENTIFICATION
AD522

J
H
G
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A

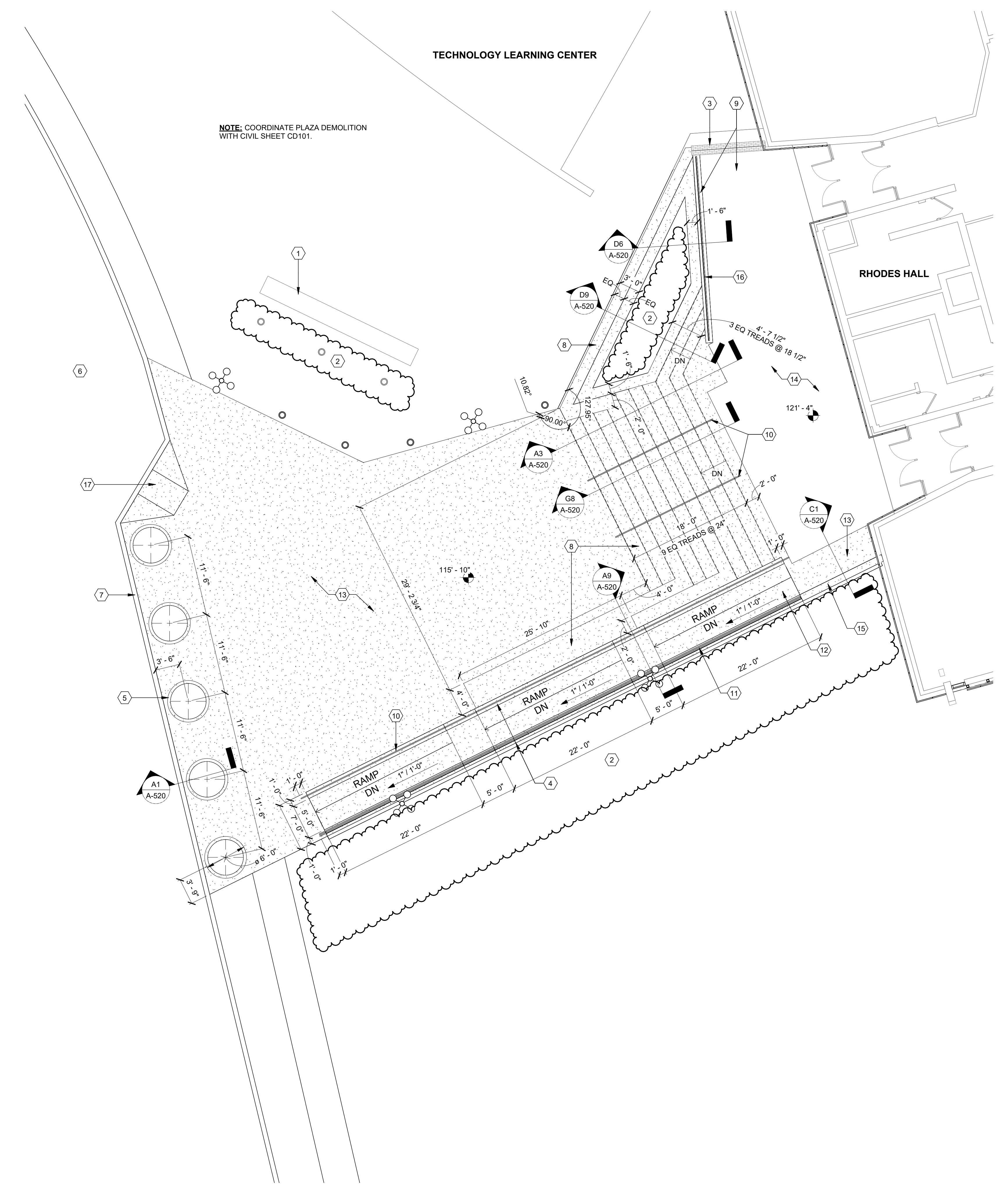
1 2 3 4 5 6 7 8 9 10 11 12

GENERAL SITE NOTES

- A. SPOT ELEVATIONS ARE DERIVED FROM PREVIOUS PROJECT DOCUMENTATION. TO BE CONFIRMED WITH NEW SURVEY COMPLETED FOLLOWING SCHEMATIC DESIGN APPROVAL.
- B. COORDINATE PLAZA DEMOLITION AND NEW CONSTRUCTION WITH CIVIL SHEETS CD101 & C-101.
- C. SEE SITE FURNITURE PLAN ON SHEET I-103 FOR PLAZA SEATING AND TABLES.
- D. SEE PLAZA DETAILS ON SHEET A-520.

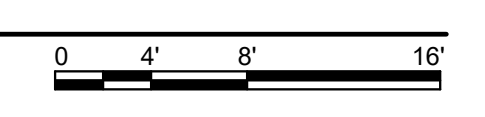
KEYNOTE LEGEND

- 1 EXISTING FLAGPOLES AND LIGHTING TO REMAIN. PROTECT DURING CONSTRUCTION
- 2 LANDSCAPING BY OWNER
- 3 EXISTING BRICK RETAINING WALL TO REMAIN
- 4 CONCRETE RETAINING WALL. TOP TO FOLLOW 4" ABOVE RAMP SURFACE.
- 5 PRECAST CONCRETE PLANTER W/ LANDSCAPING
- 6 EXISTING ENTRANCE DRIVE
- 7 EXISTING CURBS AND CURB CUTS TO REMAIN
- 8 CONCRETE STEPS AND RETAINING/SEAT WALLS
- 9 EXISTING LANDING AND RETAINING WALL TO REMAIN. CUT DOWN EXISTING RETAINING WALL TO 8" ABOVE LANDING. PREPARE TOP OF RETAINING WALL TO RECEIVE NEW PRECAST CONCRETE CAP
- 10 STAINLESS STEEL HANDRAIL WITH INTEGRAL LIGHTING
- 11 GLAZED DECORATIVE METAL RAILING WITH STAINLESS STEEL HANDRAIL AND INTEGRAL LIGHTING
- 12 CONCRETE RAMP
- 13 NEW CONCRETE PAVING
- 14 EXISTING CONCRETE SLAB
- 15 CONCRETE RETAINING WALL
- 16 GLAZED DECORATIVE METAL RAILING
- 17 ADA RAMP



NOTE: COORDINATE PLAZA DEMOLITION WITH CIVIL SHEET CD101.

A5 SITE PLAN - PLAZA
SCALE: 1/8" = 1'-0"



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Idb

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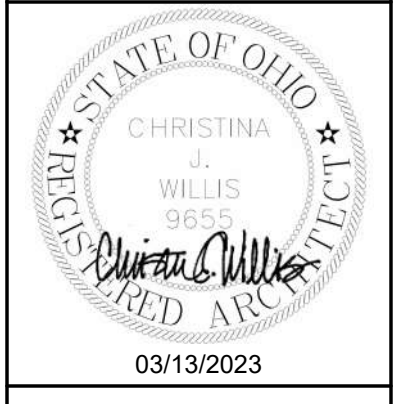
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310 Culvert Street Suite 189
Cincinnati, Ohio 45202
513 841 5889
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MARK	REVISION	DESCRIPTION	DATE
1	Revision 1		

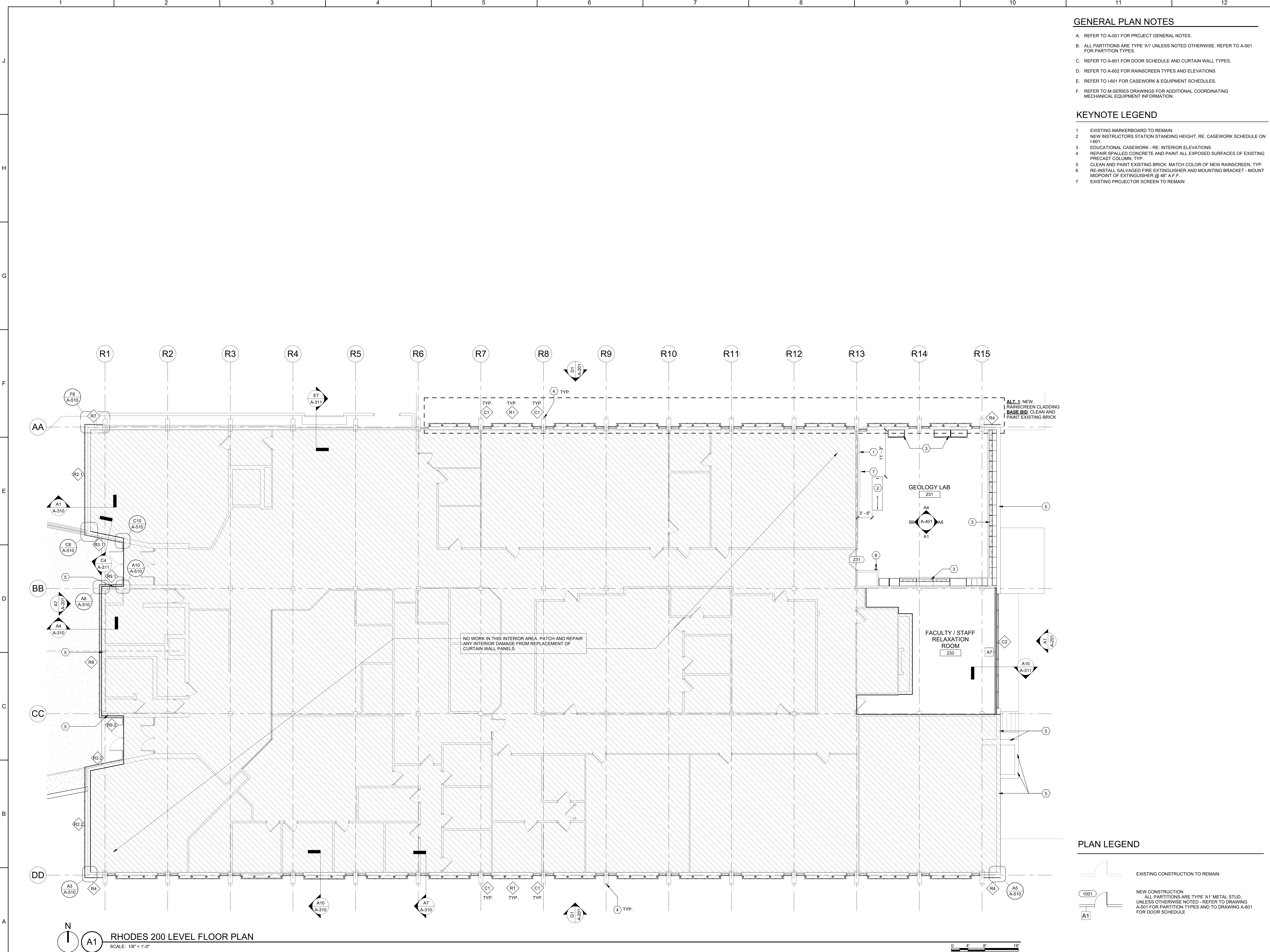
DESIGNED BY: J. CRENS	CHECKED BY: J. SWINNEY	DATE: 03/13/2023
DRAWN BY: A. ADRIANSON	PROJECT NO.: 252201	
SCALE: AS SHOWN		
SHEET NO.: 3042		
FILE NAME: As indicated		

CLARK STATE COLLEGE RHODES HALL RENOVATIONS
PHASE 4
570 LEFFEL LANE
SPRINGFIELD, OH 45505
RHODES HALL PLAZA PLAN



SHEET IDENTIFICATION

A-100



A1 RHODES 200 LEVEL FLOOR PLAN
 SCALE: 1/8" = 1'-0"

GENERAL PLAN NOTES

- A. REFER TO A-001 FOR PROJECT GENERAL NOTES.
- B. ALL PARTITIONS ARE TYPE 'A1' UNLESS NOTED OTHERWISE. REFER TO A-501 FOR PARTITION TYPES.
- C. REFER TO A-601 FOR DOOR SCHEDULE AND CURTAIN WALL TYPES.
- D. REFER TO A-602 FOR RAINSCREEN TYPES AND ELEVATIONS.
- E. REFER TO I-601 FOR CASEWORK & EQUIPMENT SCHEDULES.
- F. REFER TO M-SERIES DRAWINGS FOR ADDITIONAL COORDINATING MECHANICAL EQUIPMENT INFORMATION.

KEYNOTE LEGEND

- 1 EXISTING MARKERBOARD TO REMAIN
- 2 NEW INSTRUCTORS STATION STANDING HEIGHT, RE: CASEWORK SCHEDULE ON I-601.
- 3 EDUCATIONAL CASEWORK - RE: INTERIOR ELEVATIONS
- 4 REPAIR SPALLED CONCRETE AND PAINT ALL EXPOSED SURFACES OF EXISTING PRECAST COLUMN, TYP.
- 5 CLEAN AND PAINT EXISTING BRICK. MATCH COLOR OF NEW RAINSCREEN, TYP.
- 6 RE-INSTALL SALVAGED FIRE EXTINGUISHER AND MOUNTING BRACKET - MOUNT MIDPOINT OF EXTINGUISHER @ 48" A.F.F.
- 7 EXISTING PROJECTOR SCREEN TO REMAIN

PLAN LEGEND

- EXISTING CONSTRUCTION TO REMAIN
- NEW CONSTRUCTION
 ALL PARTITIONS ARE TYPE 'A1' METAL STUD, UNLESS OTHERWISE NOTED - REFER TO DRAWING A-501 FOR PARTITION TYPES AND TO DRAWING A-601 FOR DOOR SCHEDULE

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DATE	DESCRIPTION	MARK

DESIGNED BY: J. CRENS	CHECKED BY: J. SWEENEY	DATE: 03/13/2023
DRAWN BY: S. SMALL	PROJECT NO.:202301	PROJECT NAME: RHODES HALL RENOVATIONS
SHEET SIZE: 30x42	PLANT SCALE: As indicated	FILE NAME:

CLARK STATE COLLEGE RHODES HALL RENOVATIONS
 PHASE 4
 570 LEFFEL LANE
 SPRINGFIELD, OH 45505
RHODES HALL 200 LEVEL FLOOR PLAN



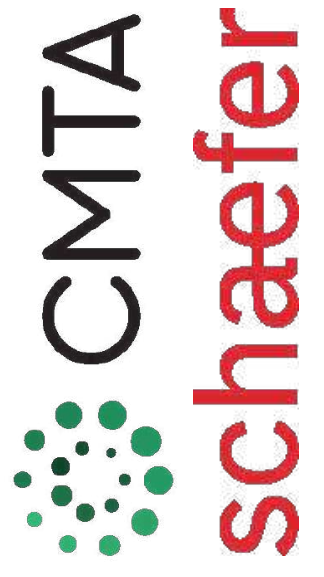
03/13/2023
 SHEET IDENTIFICATION

GENERAL PLAN NOTES

- A. REFER TO A-001 FOR PROJECT GENERAL NOTES.
- B. ALL PARTITIONS ARE TYPE 'A1' UNLESS NOTED OTHERWISE. REFER TO A-501 FOR PARTITION TYPES.
- C. REFER TO A-601 FOR DOOR SCHEDULE AND CURTAIN WALL TYPES.
- D. REFER TO A-602 FOR RAINSCREEN TYPES AND ELEVATIONS.
- E. REFER TO I-601 FOR CASEWORK & EQUIPMENT SCHEDULES.
- F. REFER TO M-SERIES DRAWINGS FOR ADDITIONAL COORDINATING MECHANICAL EQUIPMENT INFORMATION.

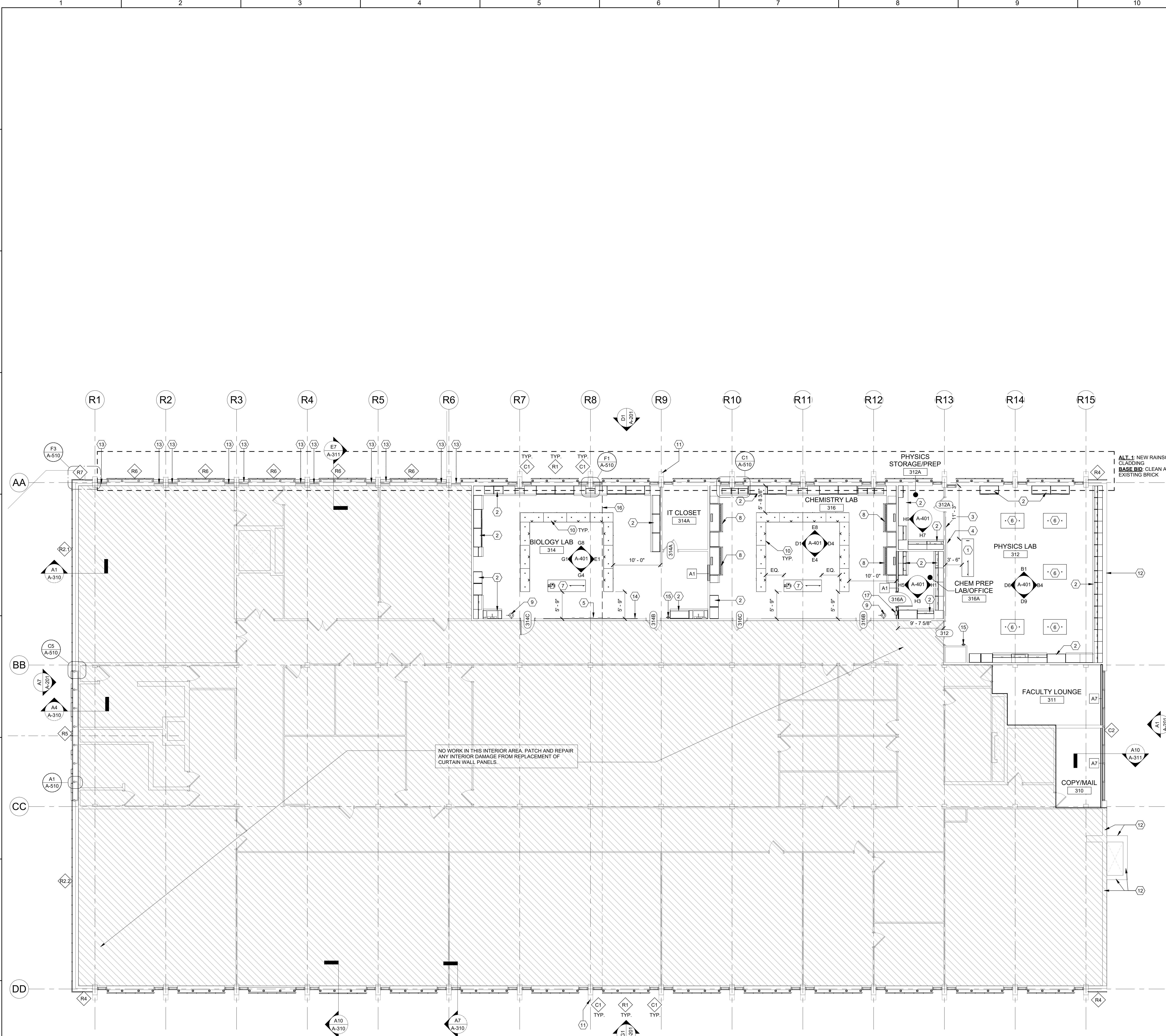
KEYNOTE LEGEND

- 1 NEW INSTRUCTORS STATION STANDING HEIGHT, RE: CASEWORK SCHEDULE ON I-601.
- 2 <varies>
- 3 EXISTING MARKERBOARD TO REMAIN
- 4 EXISTING PROJECTOR SCREEN TO REMAIN
- 5 PROJECTOR SCREEN, RE: EQUIPMENT SCHEDULE
- 6 NEW STUDENT LAB BENCH SITTING HEIGHT, FOLDABLE AND MOVEABLE, RE: FFE PACKAGE.
- 7 NEW INSTRUCTORS STATION STANDING HEIGHT WITH SINK
- 8 <varies>
- 9 EMERGENCY SHOWER STATION
- 10 NEW STANDING HEIGHT LAB TABLES, ONE DRAWER, FIXED, RE: CASEWORK SCHEDULE ON I-601.
- 11 REPAIR SPALLED CONCRETE AND PAINT ALL EXPOSED SURFACES OF EXISTING PRECAST COLUMN, TYP.
- 12 CLEAN AND PAINT EXISTING BRICK - MATCH COLOR OF NEW RAINSCREEN, TYP.
- 13 EXISTING CURTAIN WALL ASSEMBLY TO REMAIN, PROTECT DURING CONSTRUCTION
- 14 MARKERBOARD - LOCATE AS INDICATED, RE: EQUIPMENT SCHEDULE [GFGB]BY OWNER - SHOWN FOR REFERENCE ONLY)
- 15 RE-INSTALL SALVAGED FIRE EXTINGUISHER AND MOUNTING BRACKET - MOUNT MIDPOINT OF EXTINGUISHER @ 48" A.F.F.
- 16 EXPANSION JOINT COVER
- 17 FIRE EXTINGUISHER AND SEMI-RECESSED CABINET - MOUNT MIDPOINT OF CABINET AT 48" A.F.F.



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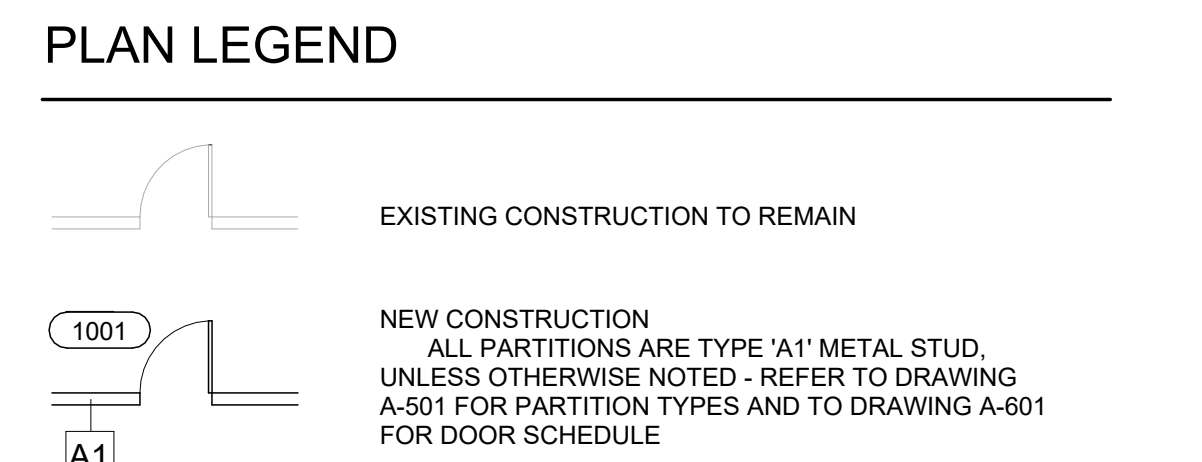
MARK	DESCRIPTION	DATE

DESIGNED BY: J. CRENS	DATE: 03/13/2023
DRAWN BY: A. ANDERSON S. SMALL	CHECKED BY: J. SWEENEY S. ANDERSON
PROJECT NO.: 202001	PROJECT NAME: RHODES HALL RENOVATIONS
SHEET NO.: 3042	FILE NAME: As indicated

CLARK STATE COLLEGE RHODES HALL RENOVATIONS
 PHASE 4
 570 LEFFEL LANE
 SPRINGFIELD, OH 45505
RHODES HALL 300 LEVEL FLOOR PLAN

STATE OF OHIO
 CHRISTINA WILLIS
 REGISTERED ARCHITECT
 03/13/2023

SHEET IDENTIFICATION
A-103



RHODES 300 LEVEL FLOOR PLAN
 SCALE: 1/8" = 1'-0"

GENERAL ROOF PLAN NOTES

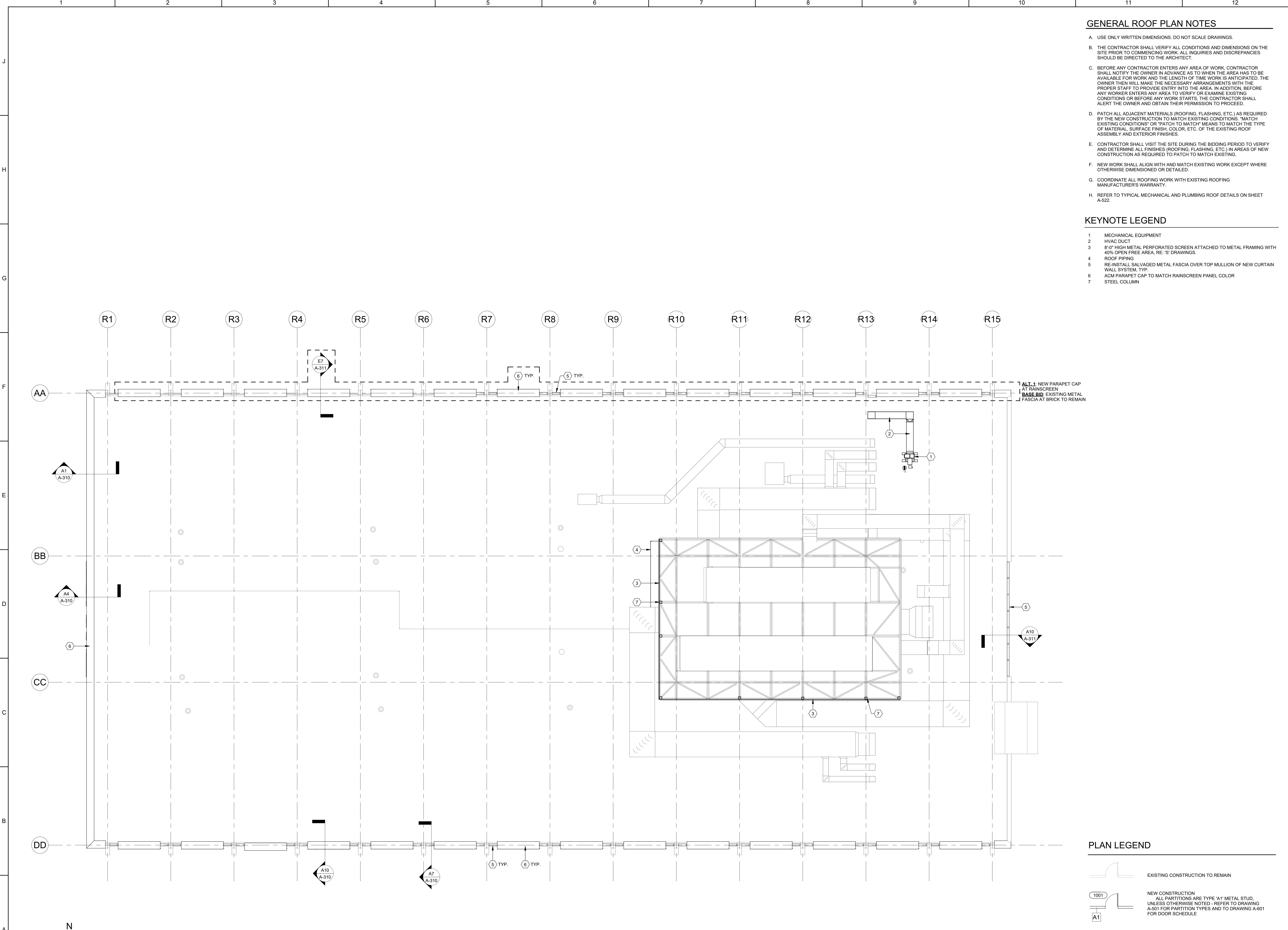
- A. USE ONLY WRITTEN DIMENSIONS. DO NOT SCALE DRAWINGS.
- B. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS ON THE SITE PRIOR TO COMMENCING WORK. ALL INQUIRIES AND DISCREPANCIES SHOULD BE DIRECTED TO THE ARCHITECT.
- C. BEFORE ANY CONTRACTOR ENTERS ANY AREA OF WORK, CONTRACTOR SHALL NOTIFY THE OWNER IN ADVANCE AS TO WHEN THE AREA HAS TO BE AVAILABLE FOR WORK AND THE LENGTH OF TIME WORK IS ANTICIPATED. THE OWNER THEN WILL MAKE THE NECESSARY ARRANGEMENTS WITH THE PROPER STAFF TO PROVIDE ENTRY INTO THE AREA. IN ADDITION, BEFORE ANY WORKER ENTERS ANY AREA TO VERIFY OR EXAMINE EXISTING CONDITIONS OR BEFORE ANY WORK STARTS, THE CONTRACTOR SHALL ALERT THE OWNER AND OBTAIN THEIR PERMISSION TO PROCEED.
- D. PATCH ALL ADJACENT MATERIALS (ROOFING, FLASHING, ETC.) AS REQUIRED BY THE NEW CONSTRUCTION TO MATCH EXISTING CONDITIONS. "MATCH EXISTING CONDITIONS" OR "PATCH TO MATCH" MEANS TO MATCH THE TYPE OF MATERIAL, SURFACE FINISH, COLOR, ETC. OF THE EXISTING ROOF ASSEMBLY AND EXTERIOR FINISHES.
- E. CONTRACTOR SHALL VISIT THE SITE DURING THE BIDDING PERIOD TO VERIFY AND DETERMINE ALL FINISHES (ROOFING, FLASHING, ETC.) IN AREAS OF NEW CONSTRUCTION AS REQUIRED TO PATCH TO MATCH EXISTING.
- F. NEW WORK SHALL ALIGN WITH AND MATCH EXISTING WORK EXCEPT WHERE OTHERWISE DIMENSIONED OR DETAILED.
- G. COORDINATE ALL ROOFING WORK WITH EXISTING ROOFING MANUFACTURER'S WARRANTY.
- H. REFER TO TYPICAL MECHANICAL AND PLUMBING ROOF DETAILS ON SHEET A-522.

KEYNOTE LEGEND

- 1 MECHANICAL EQUIPMENT
- 2 HVAC DUCT
- 3 8'-0" HIGH METAL PERFORATED SCREEN ATTACHED TO METAL FRAMING WITH 40% OPEN FREE AREA, RE: 'S' DRAWINGS.
- 4 ROOF PIPING
- 5 RE-INSTALL SALVAGED METAL FASCIA OVER TOP MULLION OF NEW CURTAIN WALL SYSTEM, TYP.
- 6 ACM PARAPET CAP TO MATCH RAINDSCREEN PANEL COLOR
- 7 STEEL COLUMN

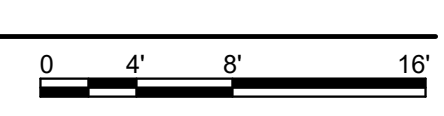
PLAN LEGEND

- EXISTING CONSTRUCTION TO REMAIN
- NEW CONSTRUCTION
ALL PARTITIONS ARE TYPE 'A1' METAL STUD,
UNLESS OTHERWISE NOTED - REFER TO DRAWING
A-501 FOR PARTITION TYPES AND TO DRAWING A-601
FOR DOOR SCHEDULE



1 ALL 1- NEW PARAPET CAP
AT RAINDSCREEN
BASE BID; EXISTING METAL
FASCIA AT BRICK TO REMAIN

A1 ROOF PLAN
SCALE: 1/8" = 1'-0"



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Cincinnati, Ohio 45202
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DATE	DESCRIPTION	MARK

DESIGNED BY: J. CRENS	DATE: 03/13/2023	PROJECT NO.:	202301
DRAWN BY: J. FELDERMAN	CHECKED BY: J. SWENNEY	PROJECT MANAGER:	
SCALE:	S. MARSHALL	PROJECT NAME:	As indicated
SHEET SIZE:			
FILE NAME:			

CLARK STATE COLLEGE RHODES HALL RENOVATIONS
PHASE 4
570 LEFFEL LANE
SPRINGFIELD, OH 45505
RHODES HALL ROOF PLAN

STATE OF OHIO
CHRISTINA WILLIS
REGISTERED ARCHITECT
03/13/2023

GENERAL NOTES

- A. ALL DIMENSIONS ARE TO FINISH FACE OF GYPSUM BOARD UNLESS OTHERWISE NOTED.
- B. ALL ROOM NUMBERS ARE FOR CONSTRUCTION PURPOSES ONLY.
- C. USE ONLY WRITTEN DIMENSIONS. DO NOT SCALE DRAWINGS.
- D. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS ON THE SITE PRIOR TO COMMENCING WORK. ALL INQUIRIES AND DISCREPANCIES SHOULD BE DIRECTED TO THE ARCHITECT.
- E. BEFORE ANY CONTRACTOR ENTERS ANY AREA OF WORK, CONTRACTOR SHALL NOTIFY THE OWNER IN ADVANCE AS TO WHEN THE AREA HAS TO BE AVAILABLE FOR WORK AND THE LENGTH OF TIME WORK IS ANTICIPATED. THE OWNER THEN WILL MAKE THE NECESSARY ARRANGEMENTS WITH THE PROPER STAFF TO PROVIDE ENTRY INTO THE AREA. IN ADDITION, BEFORE ANY WORKER ENTERS ANY AREA TO VERIFY OR EXAMINE EXISTING CONDITIONS OR BEFORE ANY WORK STARTS, THE CONTRACTOR SHALL ALERT THE OWNER AND OBTAIN THEIR PERMISSION TO PROCEED.
- F. PATCH ALL ADJACENT MATERIALS (FLOORS, WALLS & CEILINGS) AS REQUIRED BY THE NEW CONSTRUCTION TO MATCH EXISTING CONDITIONS. "MATCH EXISTING CONDITIONS" OR "PATCH TO MATCH" MEANS TO MATCH THE TYPE OF MATERIAL, SURFACE FINISH, COLOR, ETC. OF THE EXISTING FLOOR, BORDERS, BASE, WAINSCOT, WALL AND CEILING.
- G. CONTRACTOR SHALL VISIT THE SITE DURING THE BIDDING PERIOD TO VERIFY AND DETERMINE ALL FINISHES (FLOORS, WALLS AND CEILINGS) IN AREAS OF NEW CONSTRUCTION AS REQUIRED TO PATCH TO MATCH EXISTING.
- H. NEW WORK SHALL ALIGN WITH AND MATCH EXISTING WORK EXCEPT WHERE OTHERWISE DIMENSIONED OR DETAILED.
- I. ALL NEW PARTITIONS, UNLESS OTHERWISE SHOWN OR DETAILED, SHALL BE METAL STUDS OF THICKNESS TO ADEQUATELY COVER PIPING, CONDUITS, ETC.
- J. REFER TO LIFE SAFETY DRAWINGS FOR EXIT LIGHTS.
- K. REFER TO FINISH DRAWINGS (I SERIES) FOR INTERIOR CLASSIFICATION.
- L. REFER TO LIFE SAFETY DRAWINGS FOR CODE OCCUPANCY AND FIRE PROTECTION ITEMS.

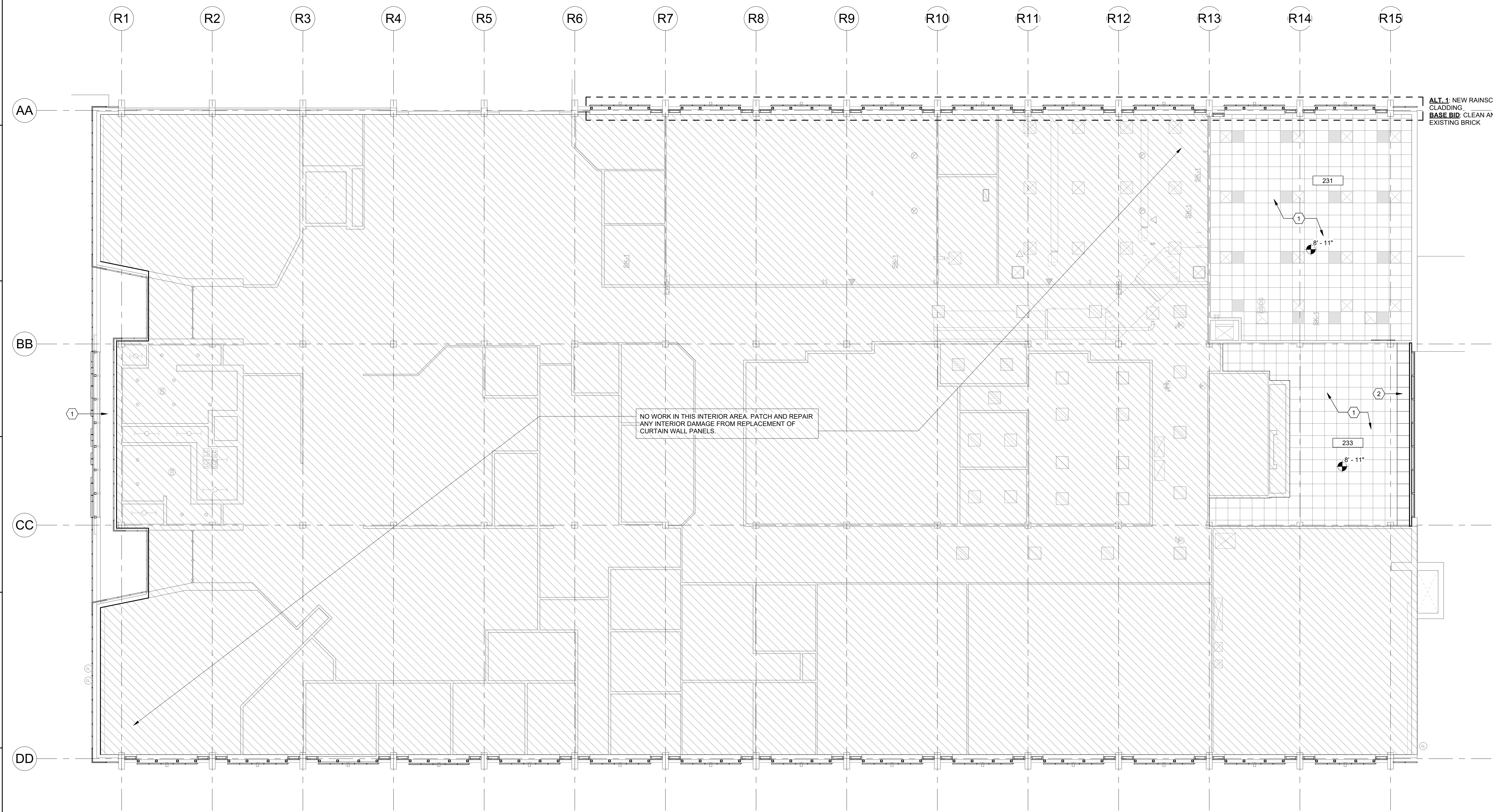
KEYNOTE LEGEND

- 1 EXISTING CEILING AND GRID TO REMAIN; PROTECT DURING CONSTRUCTION
- 2 PATCH IN ACOUSTIC CEILING TILE AND GRID TO MATCH EXISTING AFTER NEW WORK IS COMPLETE.

ROOM SCHEDULE	
NUMBER	NAME
231	GEOLOGY LAB
233	FACULTY / STAFF RELAXATION ROOM

CEILING SYMBOLS

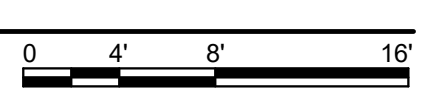
- 2' x 2' ACT CEILING
- 2' x 2' ACT CEILING (EXISTING)
- 2 x 2 LIGHT FIXTURE - EXISTING TO REMAIN
- 2 x 2 SALVAGED LIGHT FIXTURE TO BE REINSTALLED
- NEW RETURN AIR GRILLE
- SALVAGED RETURN AIR GRILLE TO BE REINSTALLED
- RETURN AIR GRILLE - EXISTING TO REMAIN
- NEW SUPPLY AIR GRILLE
- SALVAGED SUPPLY AIR GRILLE TO BE REINSTALLED
- SUPPLY AIR GRILLE - EXISTING TO REMAIN
- NEW EXHAUST AIR GRILLE
- SALVAGED EXHAUST AIR GRILLE TO BE REINSTALLED
- EXHAUST AIR GRILLE - EXISTING TO REMAIN



NO WORK IN THIS INTERIOR AREA. PATCH AND REPAIR ANY INTERIOR DAMAGE FROM REPLACEMENT OF CURTAIN WALL PANELS.

ALT. 1: NEW RAINSCREEN CLADDING
BASE BID: CLEAN AND PAINT EXISTING BRICK

A1 RHODES 200 LEVEL RCP
SCALE: 1/8" = 1'-0"



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513.841.5089
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MARK	DESCRIPTION	DATE

DESIGNED BY: J. CRENS	CHECKED BY: J. SWENEY	DATE: 03/13/2023
DRAWN BY: S. HARRALL	PROJECT NO.:202001	PROJECT NAME: RHODES HALL RENOVATIONS
SHEET SIZE: 30x42	AS SHOWN	FILE NAME:

CLARK STATE COLLEGE RHODES HALL RENOVATIONS
PHASE 4
570 LEFFEL LANE
SPRINGFIELD, OH 45505
RHODES HALL 200 LEVEL REFLECTED CEILING PLAN



03/13/2023
SHEET IDENTIFICATION

A-112

GENERAL NOTES

- A. ALL DIMENSIONS ARE TO FINISH FACE OF GYPSUM BOARD UNLESS OTHERWISE NOTED.
- B. ALL ROOM NUMBERS ARE FOR CONSTRUCTION PURPOSES ONLY.
- C. USE ONLY WRITTEN DIMENSIONS. DO NOT SCALE DRAWINGS.
- D. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS ON THE SITE PRIOR TO COMMENCING WORK. ALL INQUIRIES AND DISCREPANCIES SHOULD BE DIRECTED TO THE ARCHITECT.
- E. BEFORE ANY CONTRACTOR ENTERS ANY AREA OF WORK, CONTRACTOR SHALL NOTIFY THE OWNER IN ADVANCE AS TO WHEN THE AREA HAS TO BE AVAILABLE FOR WORK AND THE LENGTH OF TIME WORK IS ANTICIPATED. THE OWNER THEN WILL MAKE THE NECESSARY ARRANGEMENTS WITH THE PROPER STAFF TO PROVIDE ENTRY INTO THE AREA. IN ADDITION, BEFORE ANY WORKER ENTERS ANY AREA TO VERIFY OR EXAMINE EXISTING CONDITIONS OR BEFORE ANY WORK STARTS, THE CONTRACTOR SHALL ALERT THE OWNER AND OBTAIN THEIR PERMISSION TO PROCEED.
- F. PATCH ALL ADJACENT MATERIALS (FLOORS, WALLS & CEILINGS) AS REQUIRED BY THE NEW CONSTRUCTION TO MATCH EXISTING CONDITIONS. "MATCH EXISTING CONDITIONS" OR "PATCH TO MATCH" MEANS TO MATCH THE TYPE OF MATERIAL, SURFACE FINISH, COLOR, ETC. OF THE EXISTING FLOOR, BORDERS, BASE, WAINSCOT, WALL AND CEILING.
- G. CONTRACTOR SHALL VISIT THE SITE DURING THE BIDDING PERIOD TO VERIFY AND DETERMINE ALL FINISHES (FLOORS, WALLS AND CEILINGS) IN AREAS OF NEW CONSTRUCTION AS REQUIRED TO PATCH TO MATCH EXISTING.
- H. NEW WORK SHALL ALIGN WITH AND MATCH EXISTING WORK EXCEPT WHERE OTHERWISE DIMENSIONED OR DETAILED.
- I. ALL NEW PARTITIONS, UNLESS OTHERWISE SHOWN OR DETAILED, SHALL BE METAL STUDS OF THICKNESS TO ADEQUATELY COVER PIPING, CONDUITS, ETC.
- J. REFER TO LIFE SAFETY DRAWINGS FOR EXIT LIGHTS.
- K. REFER TO FINISH DRAWINGS (I SERIES) FOR INTERIOR CLASSIFICATION.
- L. REFER TO LIFE SAFETY DRAWINGS FOR CODE OCCUPANCY AND FIRE PROTECTION ITEMS.

KEYNOTE LEGEND

- 1 NEW FUME HOOD DUCT. REFER TO MECHANICAL DRAWINGS
- 2 EXISTING BULKHEAD TO REMAIN. PROTECT DURING CONSTRUCTION
- 3 EXISTING CEILING AND GRID TO REMAIN. PROTECT DURING CONSTRUCTION
- 4 FIXED METAL SUPPORT RING - LOAD RATING OF 250# MIN. SUPPORT FROM STRUCTURE ABOVE AND BRACE FOR NO LATERAL MOVEMENT. PROVIDE ESCUTCHEON AT CEILING PENETRATION. LOCATE IN FIELD WITH OWNER.
- 5 PATCH IN ACOUSTIC CEILING TILE AND GRID TO MATCH EXISTING AFTER NEW WORK IS COMPLETE.

ROOM SCHEDULE

NUMBER	NAME
310	COPY/MAIL
311	FACULTY LOUNGE
312	PHYSICS LAB
312A	PHYSICS STORAGE/PREP
314	BIOLOGY LAB
314A	IT CLOSET
316	CHEMISTRY LAB
316A	CHEM PREP LAB/OFFICE

ALT. 1: NEW RAINDRIP CLADDING. BASE BID. CLEAN AND PAINT EXISTING BRICK

NO WORK IN THIS INTERIOR AREA. PATCH AND REPAIR ANY INTERIOR DAMAGE FROM REPLACEMENT OF CURTAIN WALL PANELS.

CEILING SYMBOLS

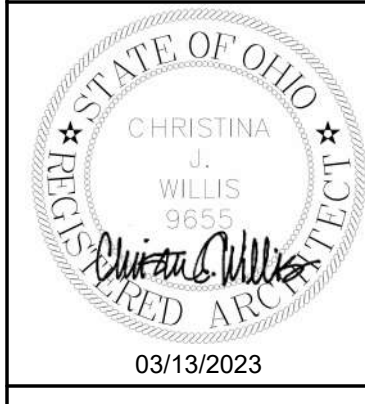
- 2 x 2 ACT CEILING
- 2 x 2 ACT CEILING (EXISTING)
- 2 x 2 LIGHT FIXTURE - EXISTING TO REMAIN
- 2 x 2 SALVAGED LIGHT FIXTURE TO BE REINSTALLED
- NEW RETURN AIR GRILLE
- SALVAGED RETURN AIR GRILLE TO BE REINSTALLED
- RETURN AIR GRILLE - EXISTING TO REMAIN
- NEW SUPPLY AIR GRILLE
- SALVAGED SUPPLY AIR GRILLE TO BE REINSTALLED
- SUPPLY AIR GRILLE TO REMAIN
- NEW EXHAUST AIR GRILLE
- SALVAGED EXHAUST AIR GRILLE TO BE REINSTALLED
- EXHAUST AIR GRILLE - EXISTING TO REMAIN

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EMERSON DESIGN
 emerson design llc
 310 Culvert Street Suite 108
 Cincinnati, Ohio 45202
 513.841.5889
 emersondesign.com

DATE	DESCRIPTION

DESIGNED BY: J. CREWS	CHECKED BY: J. SWENEY	DATE: 03/13/2023
DRAWN BY: A. ANDERSON	PROJECT NO.: 20207	PROJECT NAME: RHODES HALL RENOVATIONS
SCALE: 3/8" = 1'-0"	PLANT SCALE: As indicated	FILE NAME:

CLARK STATE COLLEGE RHODES HALL RENOVATIONS
 PHASE 4
 570 LEFFEL LANE
 SPRINGFIELD, OH 45505
 RHODES HALL 300 LEVEL REFLECTED CEILING PLAN



03/13/2023
 SHEET IDENTIFICATION

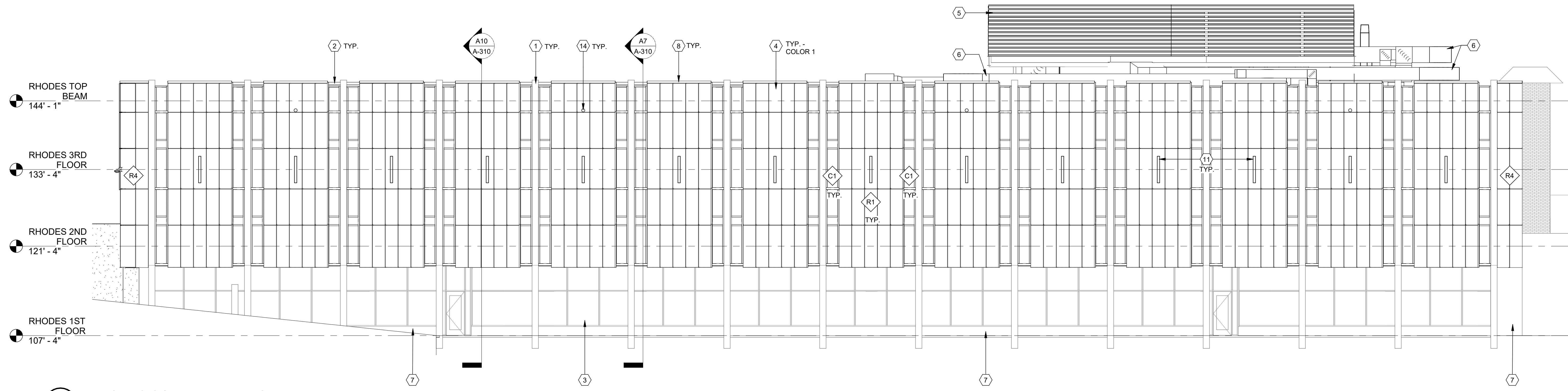
A-113

GENERAL NOTES

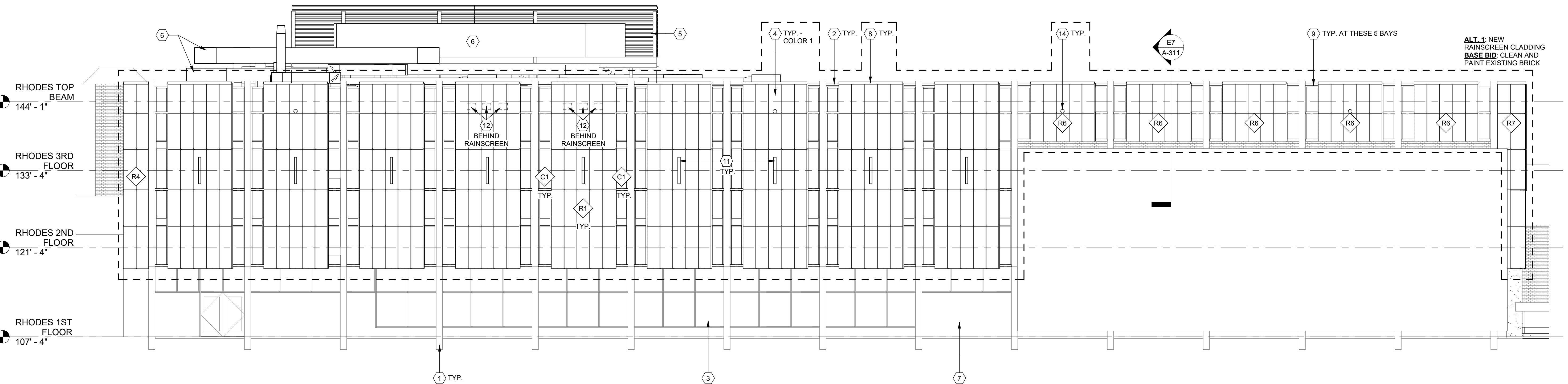
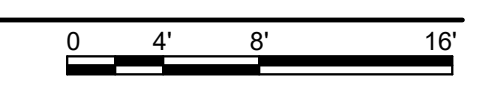
- A. ALL DIMENSIONS ARE TO FINISH FACE OF GYPSUM BOARD UNLESS OTHERWISE NOTED.
- B. ALL ROOM NUMBERS ARE FOR CONSTRUCTION PURPOSES ONLY.
- C. USE ONLY WRITTEN DIMENSIONS. DO NOT SCALE DRAWINGS.
- D. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS ON THE SITE PRIOR TO COMMENCING WORK. ALL INQUIRIES AND DISCREPANCIES SHOULD BE DIRECTED TO THE ARCHITECT.
- E. BEFORE ANY CONTRACTOR ENTERS ANY AREA OF WORK, CONTRACTOR SHALL NOTIFY THE OWNER IN ADVANCE AS TO WHEN THE AREA HAS TO BE AVAILABLE FOR WORK AND THE LENGTH OF TIME WORK IS ANTICIPATED. THE OWNER THEN WILL MAKE THE NECESSARY ARRANGEMENTS WITH THE PROPER STAFF TO PROVIDE ENTRY INTO THE AREA. IN ADDITION, BEFORE ANY WORKER ENTERS ANY AREA TO VERIFY OR EXAMINE EXISTING CONDITIONS OR BEFORE ANY WORK STARTS, THE CONTRACTOR SHALL ALERT THE OWNER AND OBTAIN THEIR PERMISSION TO PROCEED.
- F. PATCH ALL ADJACENT MATERIALS (FLOORS, WALLS & CEILINGS) AS REQUIRED BY THE NEW CONSTRUCTION TO MATCH EXISTING CONDITIONS. "MATCH EXISTING CONDITIONS" OR "PATCH TO MATCH" MEANS TO MATCH THE TYPE OF MATERIAL, SURFACE FINISH, COLOR, ETC. OF THE EXISTING FLOOR, BORDERS, BASE, WAINSCOT, WALL AND CEILING.
- G. CONTRACTOR SHALL VISIT THE SITE DURING THE BIDDING PERIOD TO VERIFY AND DETERMINE ALL FINISHES (FLOORS, WALLS AND CEILINGS) IN AREAS OF NEW CONSTRUCTION AS REQUIRED TO PATCH TO MATCH EXISTING.
- H. NEW WORK SHALL ALIGN WITH AND MATCH EXISTING WORK EXCEPT WHERE OTHERWISE DIMENSIONED OR DETAILED.
- I. ALL NEW PARTITIONS, UNLESS OTHERWISE SHOWN OR DETAILED, SHALL BE METAL STUDS OF THICKNESS TO ADEQUATELY COVER PIPING, CONDUITS, ETC.
- J. REFER TO LIFE SAFETY DRAWINGS FOR EXIT LIGHTS.
- K. REFER TO FINISH DRAWINGS (I SERIES) FOR INTERIOR CLASSIFICATION.
- L. REFER TO LIFE SAFETY DRAWINGS FOR CODE OCCUPANCY AND FIRE PROTECTION ITEMS.

KEYNOTE LEGEND

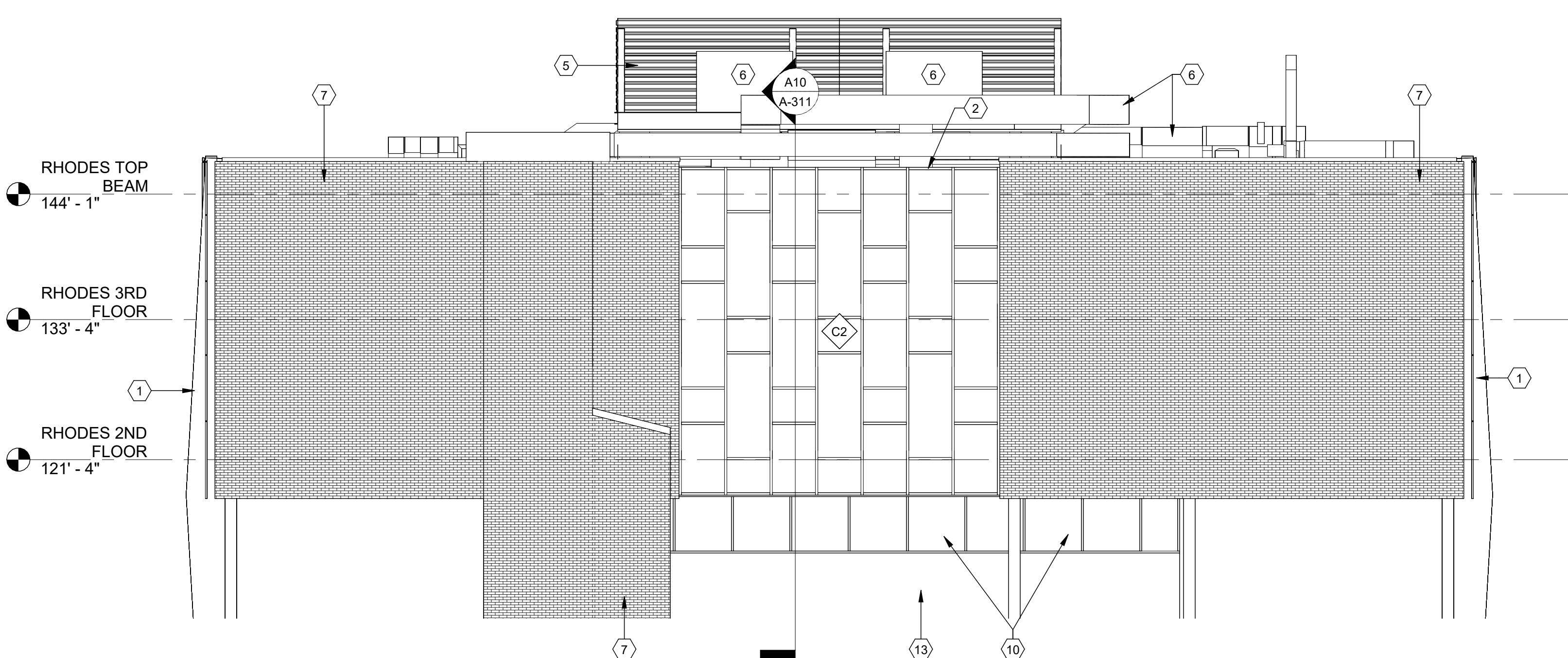
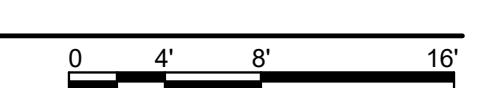
- 1 REPAIR SPALLED CONCRETE AND PAINT ALL EXPOSED SURFACES OF EXISTING PRECAST COLUMN. TYP.
- 2 RE-INSTALL SALVAGED METAL FASCIA OVER TOP MULLION OF NEW CURTAIN WALL SYSTEM. TYP.
- 3 EXISTING STOREFRONT TO REMAIN, TYPICAL AT FIRST FLOOR.
- 4 METAL RAINSCREEN SYSTEM COMPRISED OF ALUMINUM COMPOSITE PANELS WITH FLAT PROFILE AND LINEAR REVEALS.
- 5 8'-0" HIGH METAL PERFORATED SCREEN ATTACHED TO METAL FRAMING WITH 40% OPEN FREE AREA. RE: 'S' DRAWINGS.
- 6 PAINT EXISTING ROOFTOP MECHANICAL EQUIPMENT AND DUCTWORK.
- 7 CLEAN AND PAINT EXISTING BRICK. MATCH COLOR OF NEW RAINSCREEN. TYP.
- 8 ACM PARAPET CAP TO MATCH RAINSCREEN PANEL COLOR.
- 9 EXISTING CURTAIN WALL ASSEMBLY TO REMAIN; PROTECT DURING CONSTRUCTION.
- 10 EXISTING STOREFRONT TO REMAIN.
- 11 WALL-MOUNTED LIGHT FIXTURE.
- 12 INFILL OPENING TO MATCH EXISTING ADJACENT CONSTRUCTION AND WALL THICKNESS. AT MASONRY, USE SALVAGED BRICK AND TOOTH JAMBS.
- 13 EXISTING BRICK MASONRY TO REMAIN.
- 14 EXTEND EXISTING THRU-WALL SCUPPER TO FACE OF NEW RAINSCREEN AND RE-INSTALL SALVAGED COWS TONGUE NOZZLE AND FLANGE. RE: DETAIL A2/A-522.



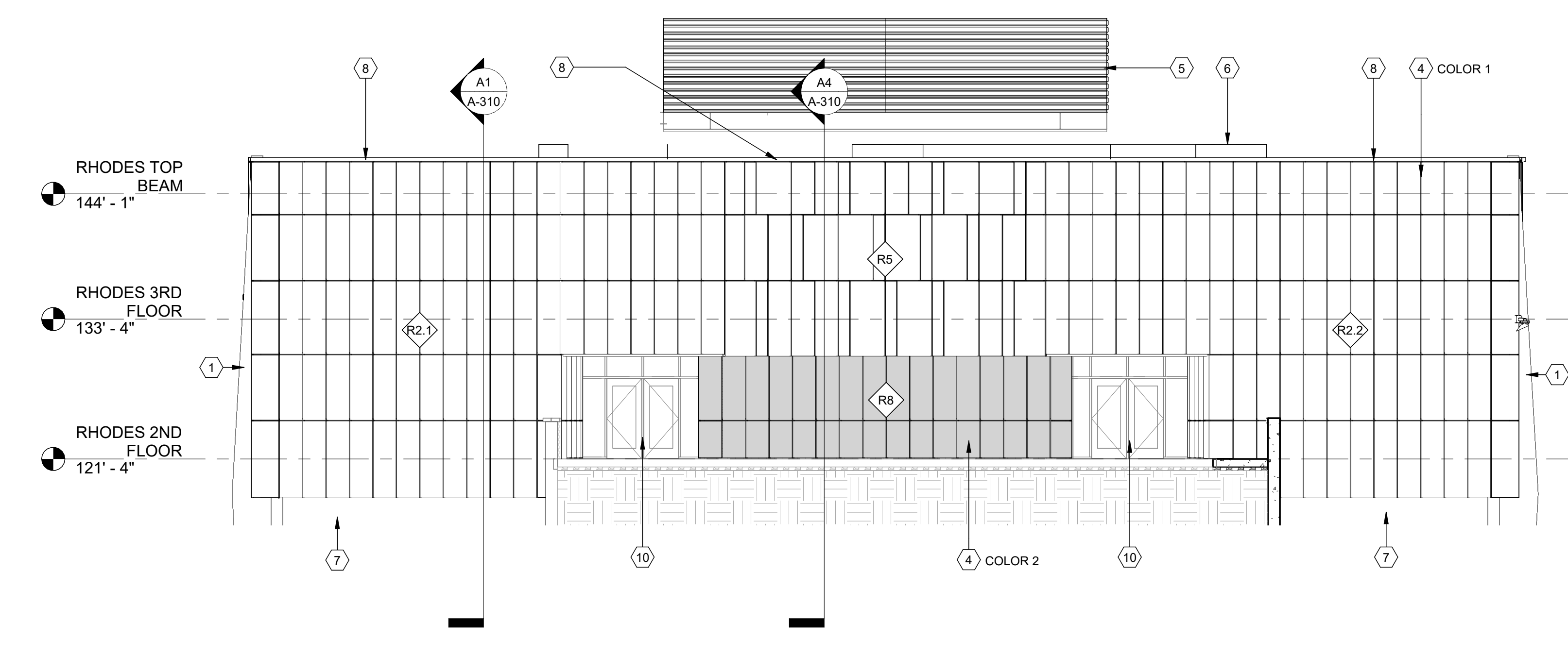
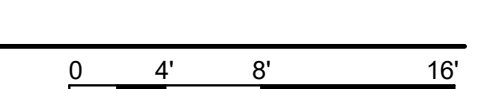
G1 RHODES SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



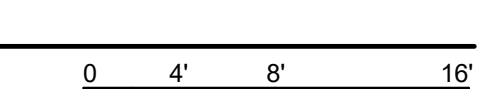
D1 RHODES NORTH ELEVATION
SCALE: 1/8" = 1'-0"



A1 RHODES EAST ELEVATION
SCALE: 1/8" = 1'-0"



A7 RHODES WEST ELEVATION
SCALE: 1/8" = 1'-0"



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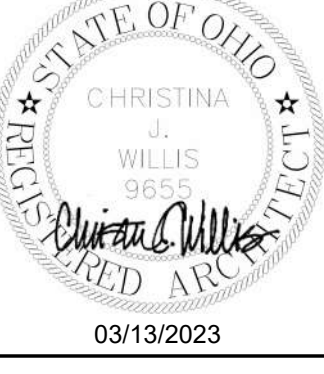
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513 841 9389

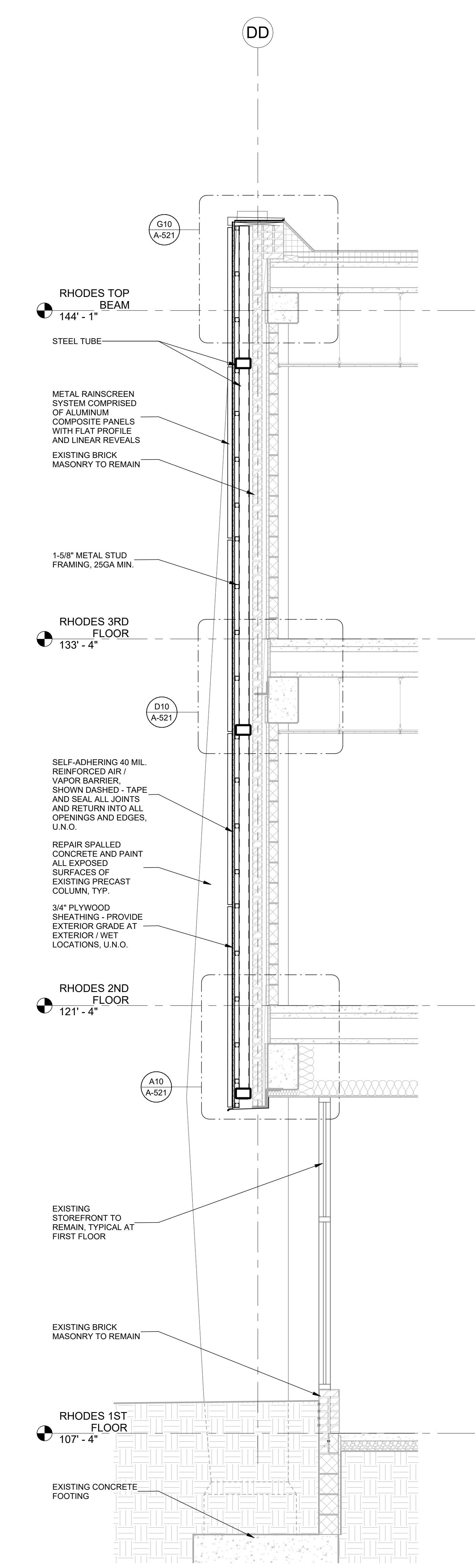
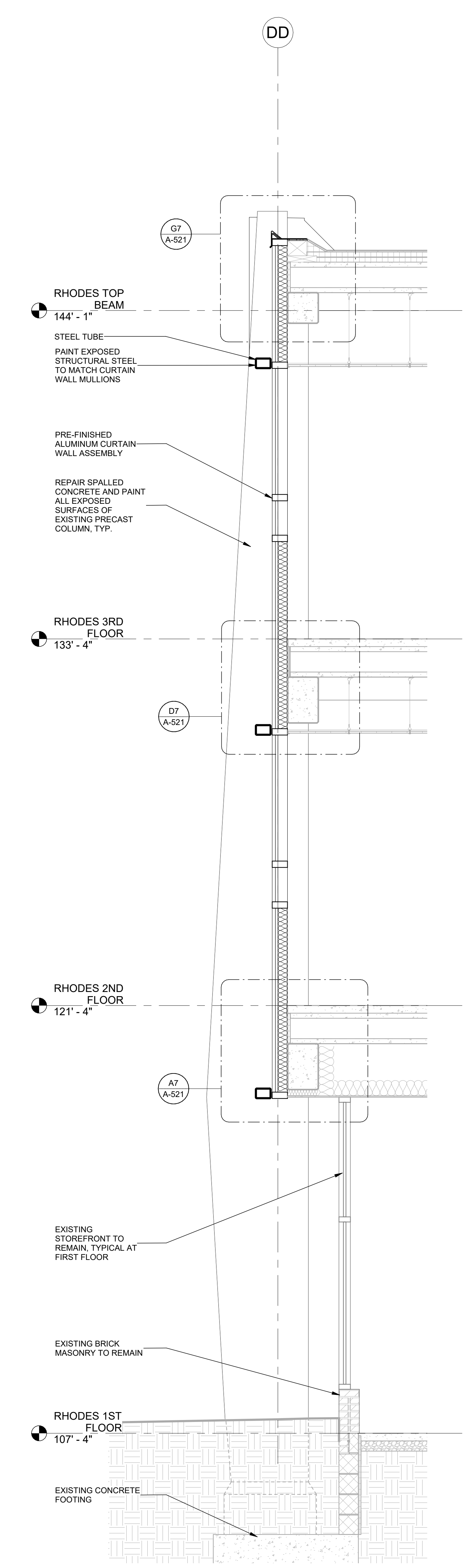
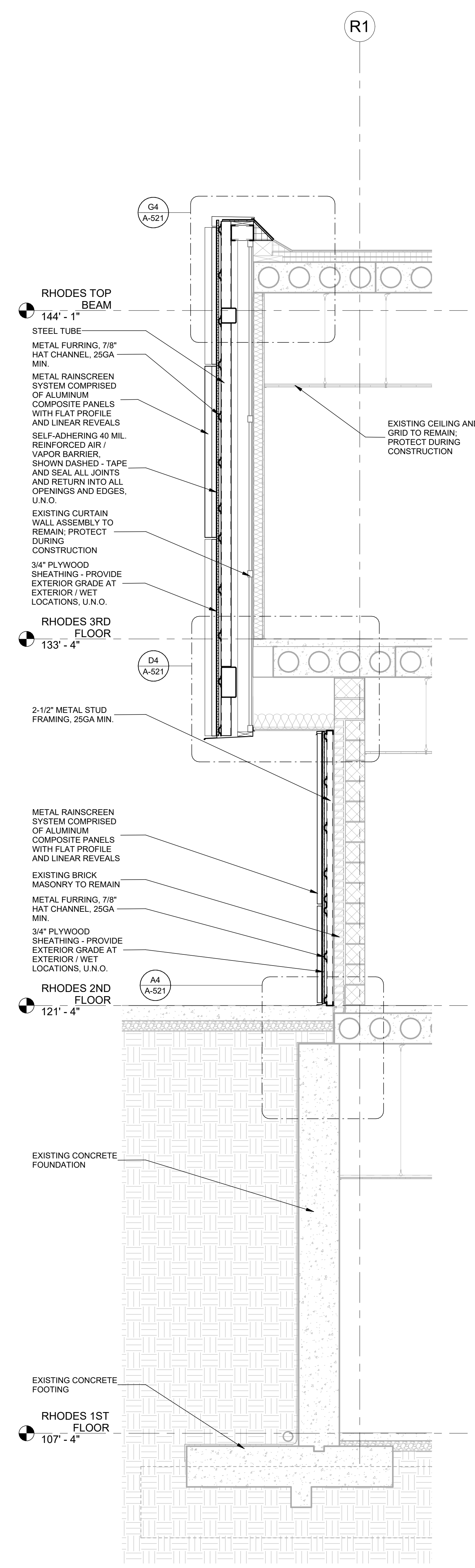
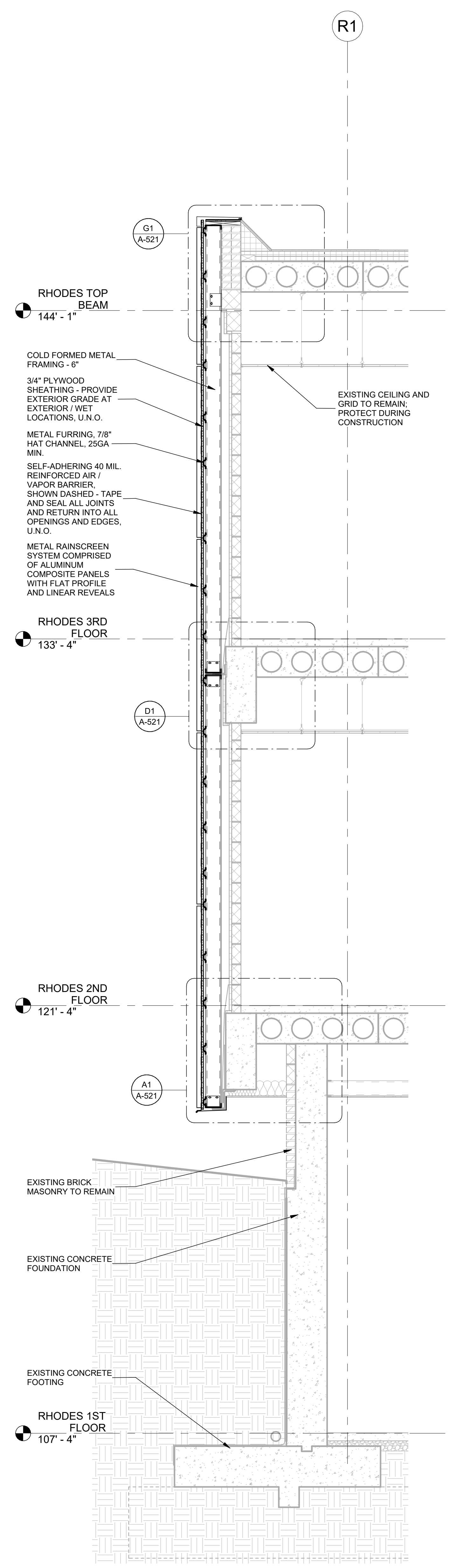
DATE	DESCRIPTION	MARK

DESIGNED BY: J. CRENS	CHECKED BY: J. SWENEY	PROJECT NO.: 252501
DRAWN BY: A. ROSSIGNOL	MANAGER: S. HARBALL	PLANT SCALE: As indicated
SHEET SIZE: 30x42	FILE NAME:	

CLARK STATE COLLEGE RHODES HALL RENOVATIONS
PHASE 4
570 LEFFEL LANE
SPRINGFIELD, OH 45505
RHODES HALL EXTERIOR ELEVATIONS



03/13/2023
SHEET IDENTIFICATION



A1 WALL SECTION
SCALE: 1/2" = 1'-0"
0 1' 2' 4'

A4 WALL SECTION
SCALE: 1/2" = 1'-0"
0 1' 2' 4'

A7 WALL SECTION
SCALE: 1/2" = 1'-0"
0 1' 2' 4'

A10 WALL SECTION
SCALE: 1/2" = 1'-0"
0 1' 2' 4'

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513 841 8389
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DATE	DESCRIPTION	MARK

DESIGNED BY: J. CRENS
DRAWN BY: J. FLEDERMAN
CHECKED BY: J. SHERNEY
PROJECT NO.: 252501
DATE: 03/13/2023
MANAGER: S. SMALL
SHEET SIZE: 30x42
PLOT SCALE: 1/2" = 1'-0"
FILE NAME:

CLARK STATE COLLEGE RHODES HALL RENOVATIONS
PHASE 4
570 LEFFEL LANE
SPRINGFIELD, OH 45505
WALL SECTIONS

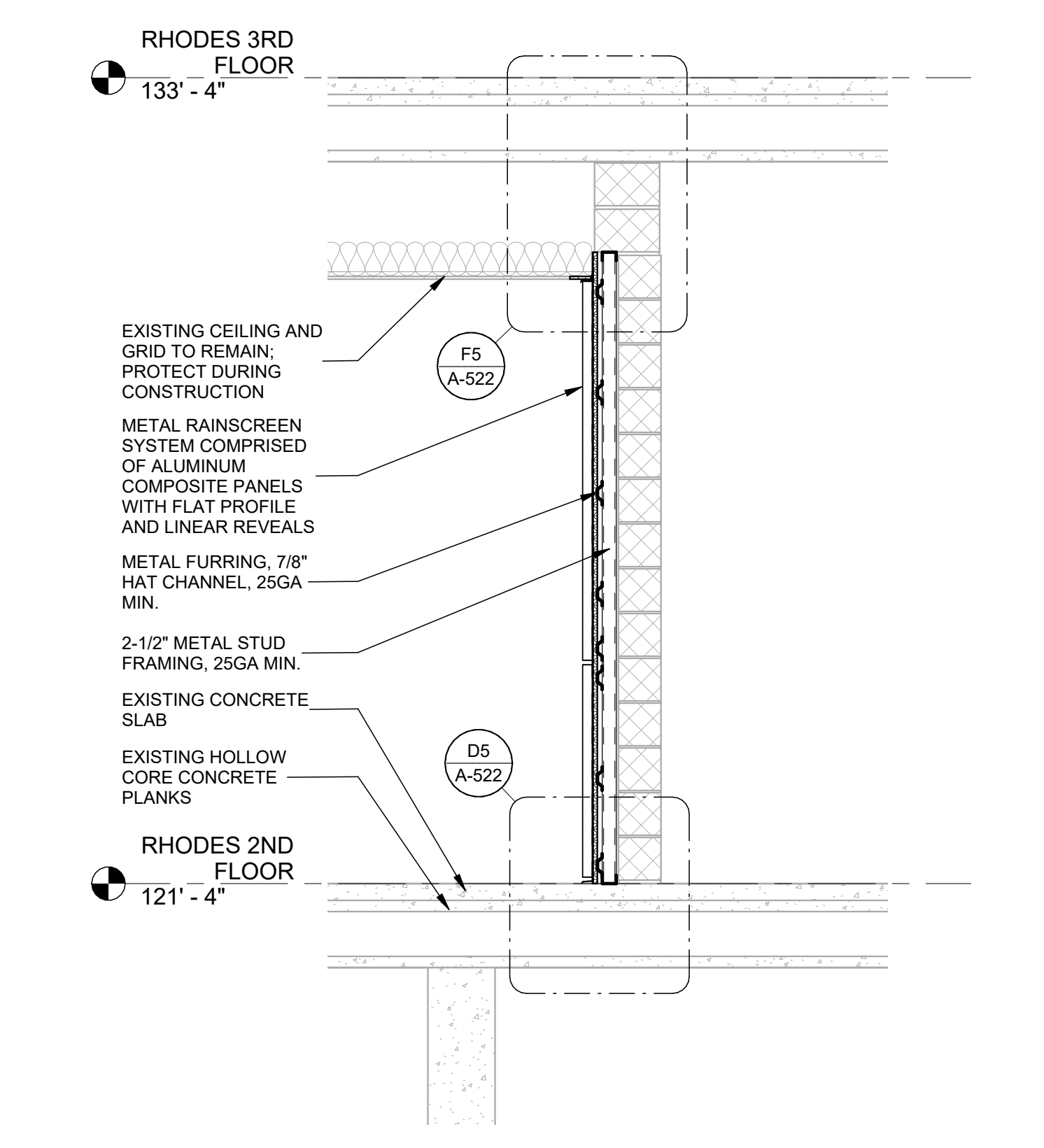
STATE OF OHIO
CHRISTINA WILLIS
REGISTERED ARCHITECT
03/13/2023

SHEET IDENTIFICATION

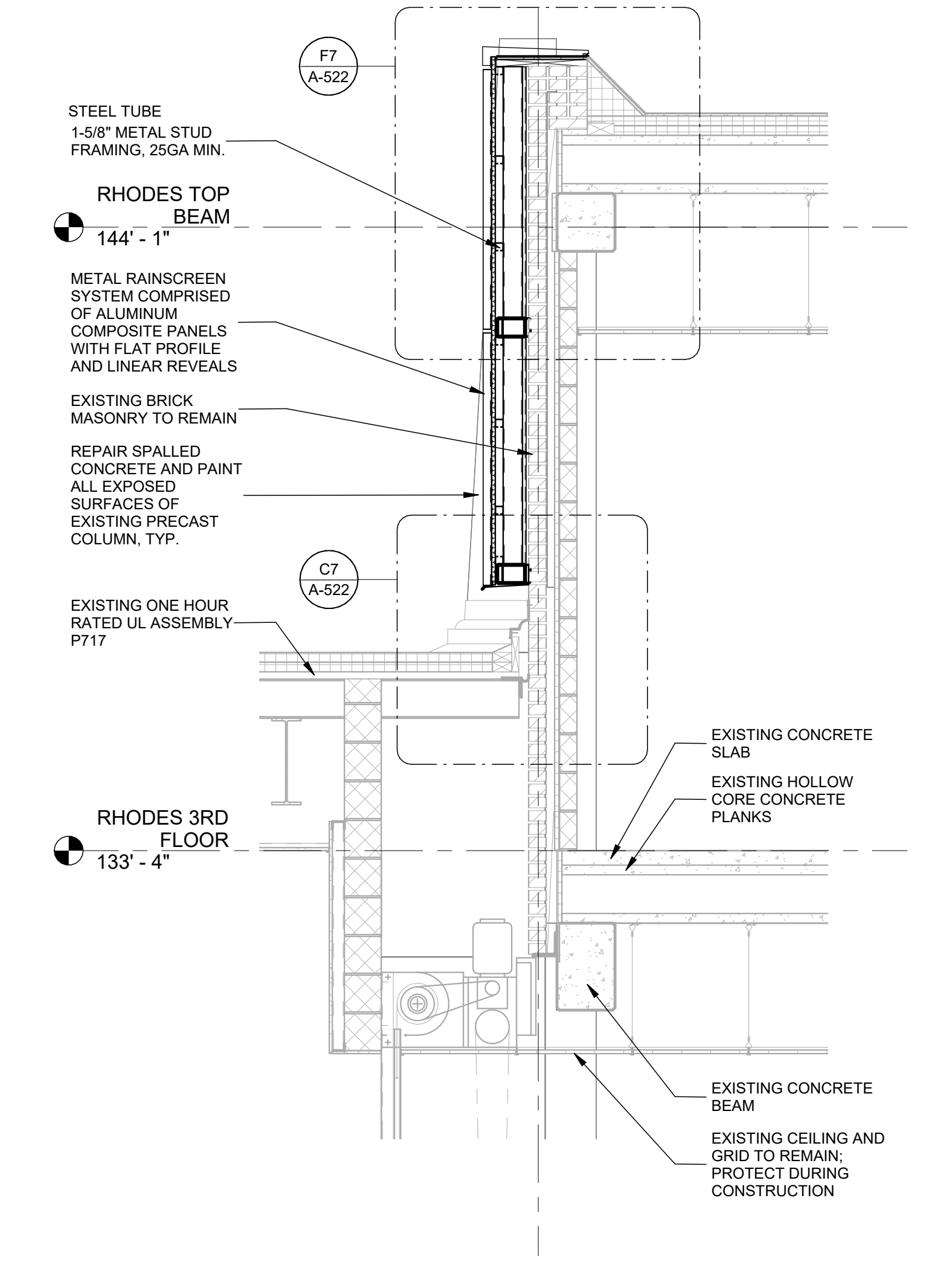
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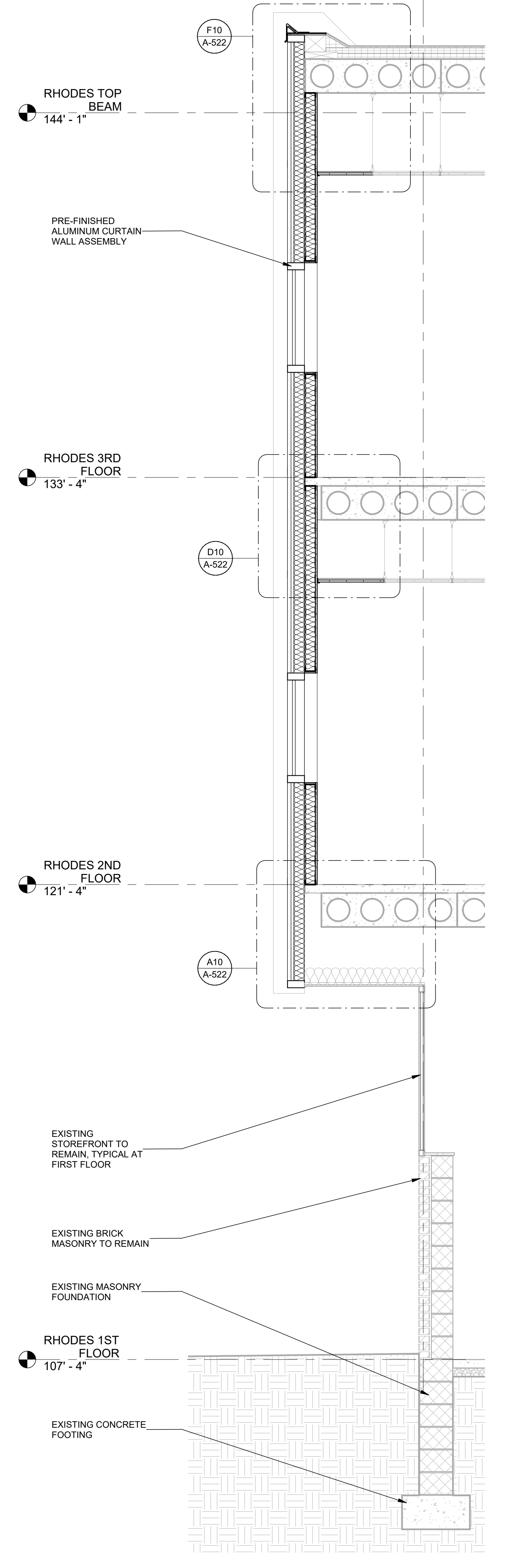
1 2 3 4 5 6 7 8 9 10 11 12



C4 WALL SECTION
SCALE: 1/2" = 1'-0"



E7 WALL SECTION - ALTERNATE 1
SCALE: 1/2" = 1'-0"



A10 WALL SECTION
SCALE: 1/2" = 1'-0"

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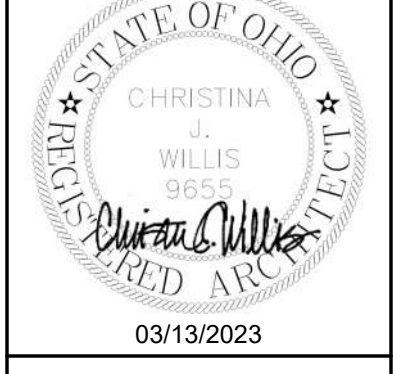
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Cincinnati, Ohio 45202
513 841 5889
emersondesign.com

MARK	DESCRIPTION	DATE

DESIGNED BY: J. CRENS	DATE: 03/13/2023
DRAWN BY: J. FLEDERMAN	CHECKED BY: J. SWINNEY
PROJECT NO.: 202201	PROJECT NAME: CLARK STATE COLLEGE RHODES HALL RENOVATIONS
PROJECT MANAGER: S. KIMBALL	FILE NAME: 30442
SHEET SIZE: 30x42	PLOT SCALE: 1/2" = 1'-0"

CLARK STATE COLLEGE RHODES HALL RENOVATIONS
PHASE 4
570 LEFFEL LANE
SPRINGFIELD, OH 45505
WALL SECTIONS



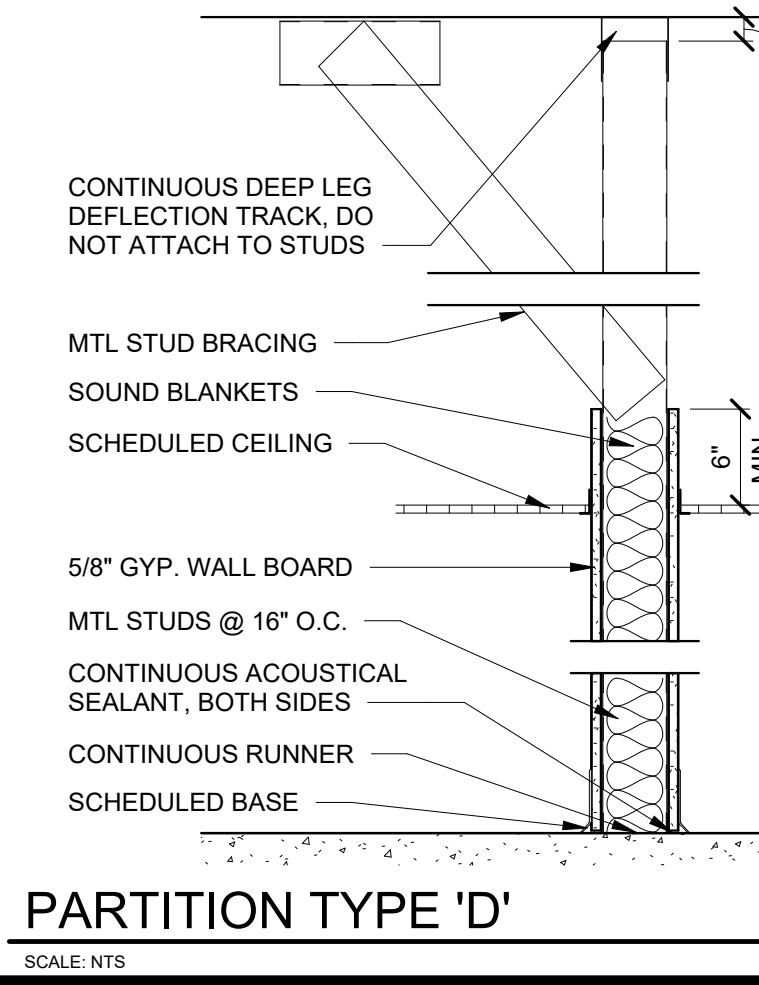
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A-311

METAL STUD AND GWB PARTITIONS

ALL PARTITION TYPES MAY NOT BE USED ON THIS PROJECT. DIMENSIONS AND MATERIAL THICKNESS ARE TYPICAL UNLESS NOTED OTHERWISE IN PLANS, SECTIONS, AND PROJECT SPECIFICATIONS. CONTROL JOINTS IN INTERIOR CMU WALLS NOT EXCEED 40" SPACING.

VARIES
BY STRUCTURE



TYPICAL:

- MTL STUDS @ 16" O.C., 5/8" GWB EACH SIDE WITH ACOUSTICAL SEALANT AND SOUND ATTENUATION BLANKETS. EXTEND 6" MIN. ABOVE HIGHEST ADJACENT CEILING OR BULKHEAD. EXTEND MTL STUDS TO UNDERSIDE OF DECK AND BRACE AS REQUIRED.
- PROVIDE MOISTURE-RESISTANT FIBERGLASS-FACE GWB BEHIND ALL TILE.
- PROVIDE 4" - 0" HIGH CEMENT BOARD BEHIND TILE BASE.
- WALL CONSTRUCTION: 'D1'**
 - 3 5/8" MTL STUDS
 - OVERALL THICKNESS: 4 7/8"
- WALL CONSTRUCTION: 'D2'**
 - 6" MTL STUDS
 - OVERALL THICKNESS: 7 1/4"
- WALL CONSTRUCTION: 'D3'**
 - 8" MTL STUDS
 - OVERALL THICKNESS: 9 1/4"
- WALL CONSTRUCTION: 'D4'**
 - 3 5/8" MTL STUDS
 - OWB ONE SIDE ONLY
 - OVERALL THICKNESS: 4 1/4"
- WALL CONSTRUCTION: 'D5'**
 - 6" MTL STUDS
 - OWB ONE SIDE ONLY
 - OVERALL THICKNESS: 6 5/8"
- WALL CONSTRUCTION: 'D6'**
 - 8" MTL STUDS
 - OWB ONE SIDE ONLY
 - OVERALL THICKNESS: 8 5/8"

PARTITION TYPE 'B'
SCALE: NTS

TYPICAL:

- MTL FURRING @ 2" - 0" O.C. WITH 5/8" GWB.
- PROVIDE MOISTURE-RESISTANT FIBERGLASS FACED GWB BEHIND ALL TILE.
- PROVIDE 4" - 0" HIGH CEMENT BOARD BEHIND TILE BASE.
- WALL CONSTRUCTION: 'B1'**
 - 7/8" HAT CHANNELS
 - EXTEND GWB TO 6" MIN. ABOVE CEILING
 - OVERALL THICKNESS: 1 1/2"
- WALL CONSTRUCTION: 'B2'**
 - 7/8" HAT CHANNELS
 - EXTEND GWB TO DECK AND SEAL
 - OVERALL THICKNESS: 1 1/2"
- WALL CONSTRUCTION: 'B3'**
 - 1 1/2" MTL Z-FURRING
 - EXTEND GWB TO 6" MIN. ABOVE CEILING
 - OVERALL THICKNESS: 2 1/8"
- WALL CONSTRUCTION: 'B4'**
 - 1 1/2" MTL Z-FURRING
 - EXTEND GWB TO DECK AND SEAL
 - OVERALL THICKNESS: 2 1/8"

PARTITION TYPE 'A'
SCALE: NTS

TYPICAL:

- MTL STUDS @ 16" O.C., 5/8" GWB EACH SIDE WITH ACOUSTICAL SEALANT AND SOUND ATTENUATION BLANKETS. EXTEND TO UNDERSIDE OF DECK AND BRACE AS REQUIRED.
- PROVIDE MOISTURE-RESISTANT FIBERGLASS-FACE GWB BEHIND ALL TILE.
- PROVIDE 4" - 0" HIGH CEMENT BOARD BEHIND TILE BASE.
- WALL CONSTRUCTION: 'A1'**
 - 3 5/8" MTL STUDS
 - OVERALL THICKNESS: 4 7/8"
 - UL DESIGN U407 / GA WP 0700
 - STC: 45
- WALL CONSTRUCTION: 'A2'**
 - 6" MTL STUDS
 - OVERALL THICKNESS: 7 1/4"
 - UL DESIGN U407 / GA WP 0700
 - STC: 45
- WALL CONSTRUCTION: 'A3'**
 - 8" MTL STUDS
 - OVERALL THICKNESS: 9 1/4"
 - UL DESIGN U407 / GA WP 0700
 - STC: 45
- WALL CONSTRUCTION: 'A4'**
 - 3 5/8" MTL STUDS
 - OVERALL THICKNESS: 4 7/8"
 - UL DESIGN U465 / GA WP 1072
 - FIRE RATING: 1-HR
 - STC: 40
- WALL CONSTRUCTION: 'A5'**
 - 6" MTL STUDS
 - OVERALL THICKNESS: 7 1/4"
 - UL DESIGN U465 / GA WP 1072
 - FIRE RATING: 1-HR
 - STC: 40
- WALL CONSTRUCTION: 'A6'**
 - 8" MTL STUDS
 - OVERALL THICKNESS: 9 1/4"
 - UL DESIGN U465 / GA WP 1072
 - FIRE RATING: 1-HR
 - STC: 40
- WALL CONSTRUCTION: 'A7'**
 - 3 5/8" MTL STUDS
 - OWB ONE SIDE ONLY
 - OVERALL THICKNESS: 4 1/4"
 - STC: 34
- WALL CONSTRUCTION: 'A8'**
 - 6" MTL STUDS
 - OWB ONE SIDE ONLY
 - OVERALL THICKNESS: 6 5/8"
 - STC: 34
- WALL CONSTRUCTION: 'A9'**
 - 8" MTL STUDS
 - OWB ONE SIDE ONLY
 - OVERALL THICKNESS: 8 5/8"
 - STC: 34

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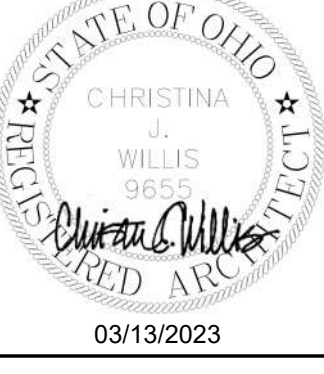
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DESIGNED BY:	DATE:	CHECKED BY:	PROJECT NO.:
J. CREWS	03/13/2023	J. SWENEY	252201
DRAWN BY:		MANAGER:	
A. ROSSIGNOL		S. SMALL	
SHEET SIZE:	PLOT SCALE:	FILE NAME:	
30x42	1" = 1'-0"		

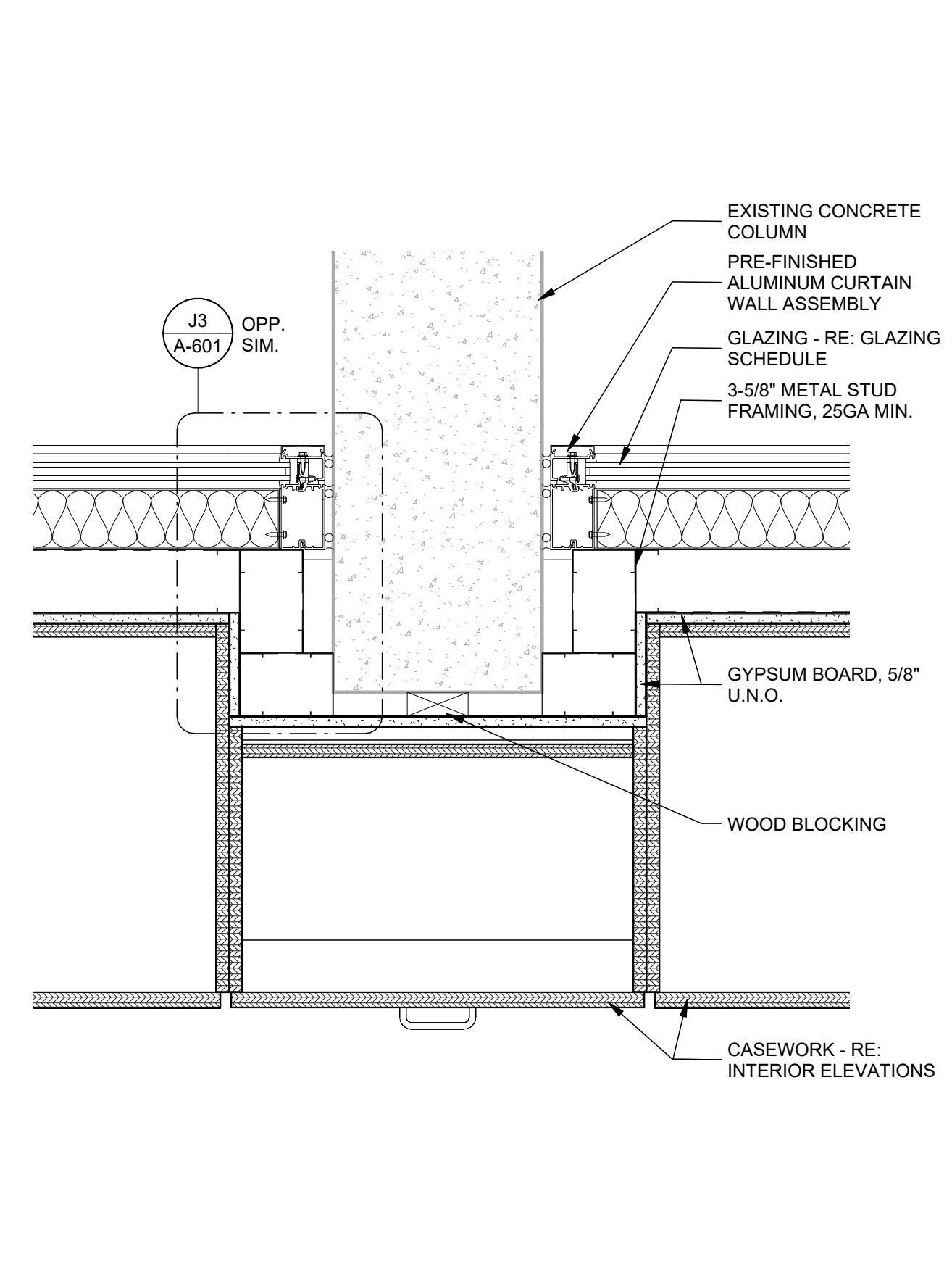
CLARK STATE COLLEGE RHODES HALL RENOVATIONS
PHASE 4
570 LEFFEL LANE
SPRINGFIELD, OH 45505
PARTITION TYPE DETAILS



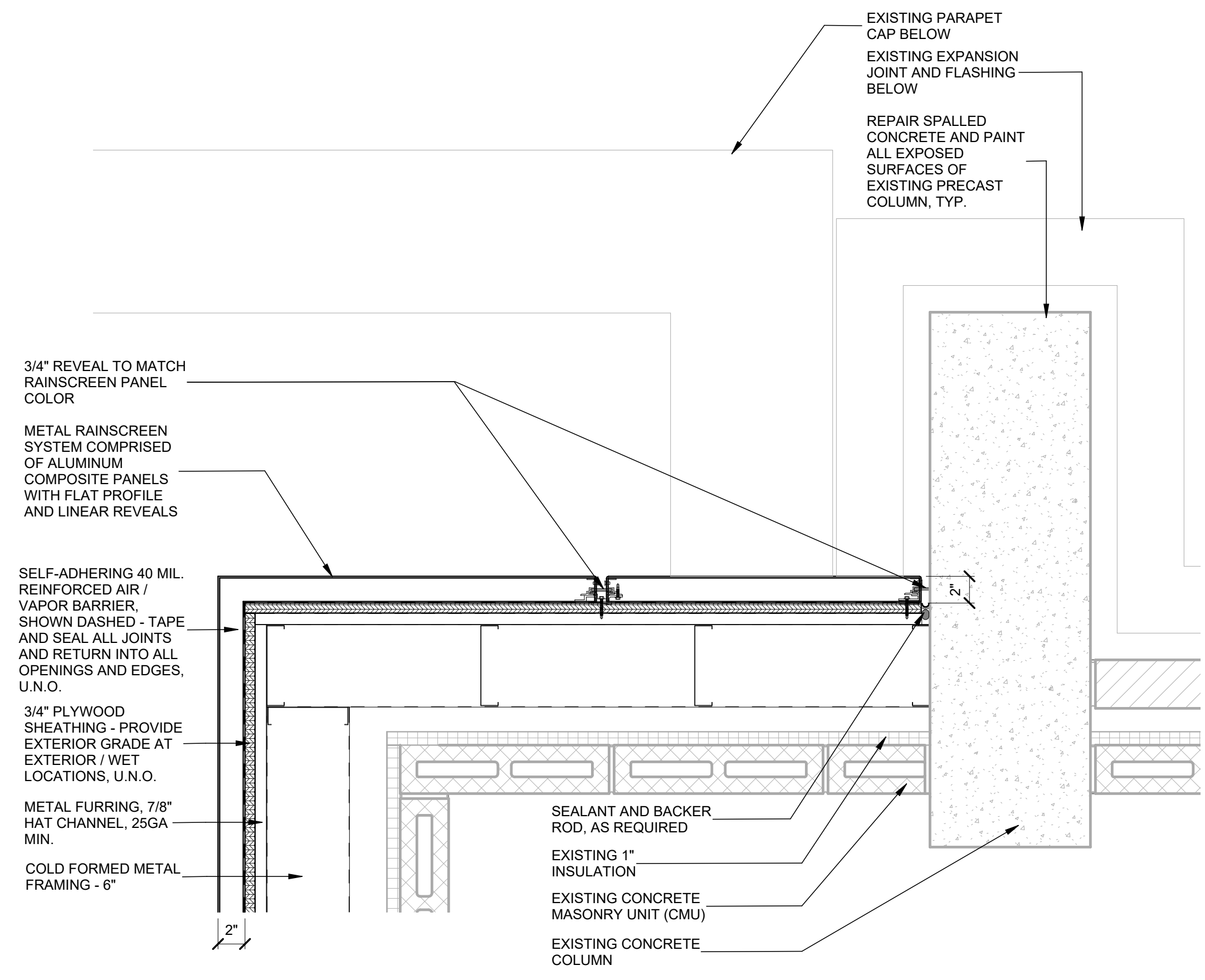
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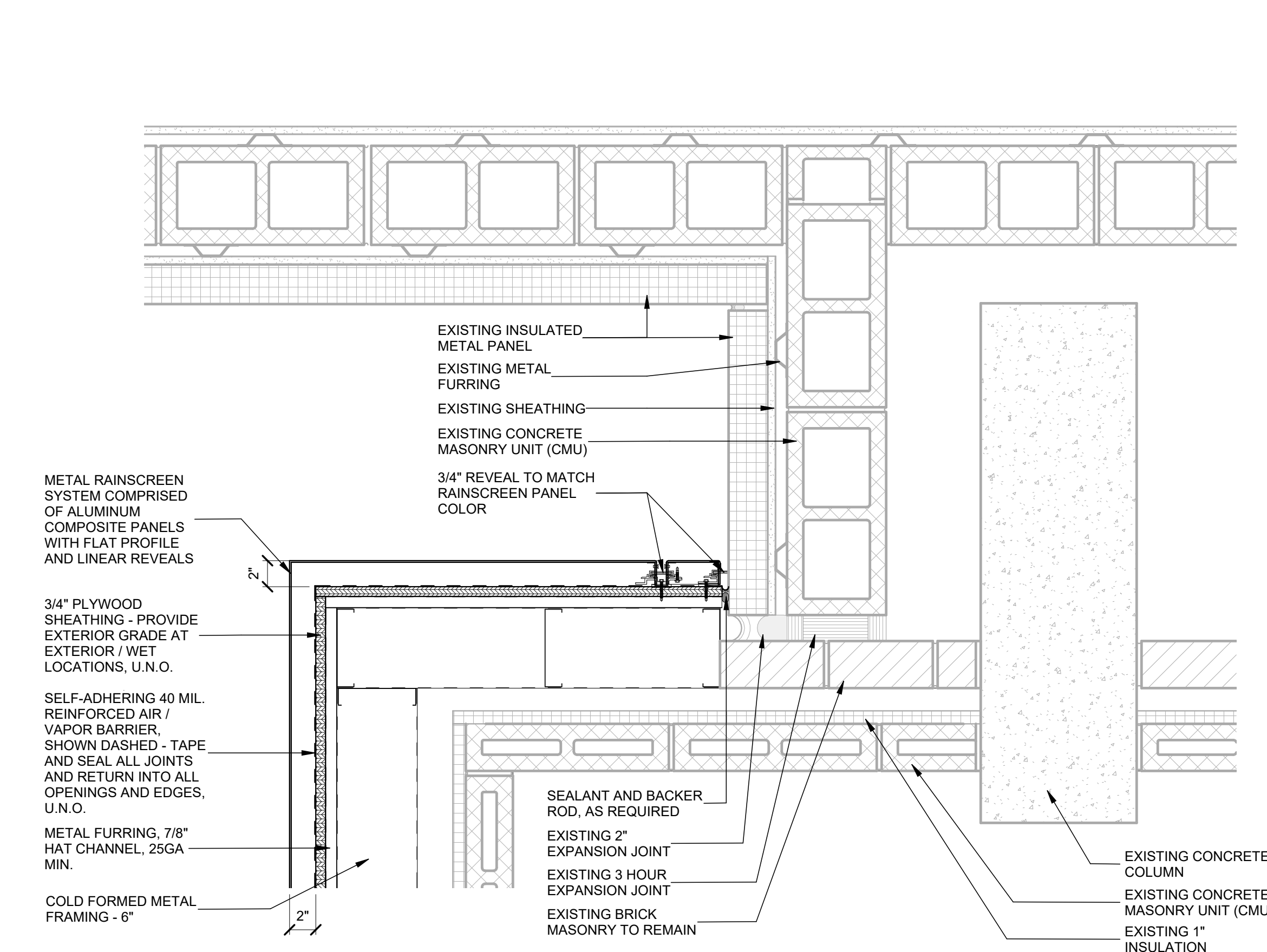
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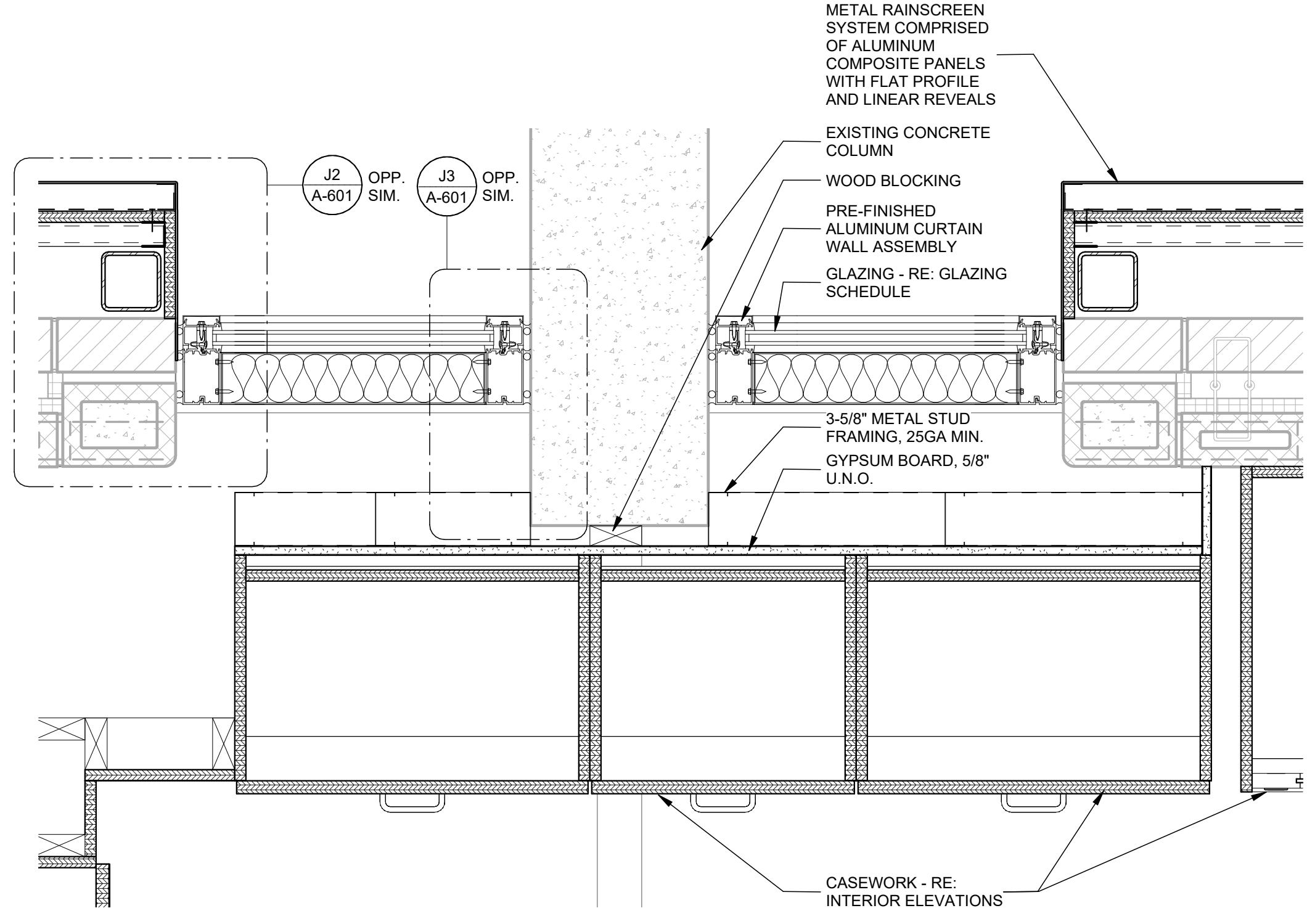
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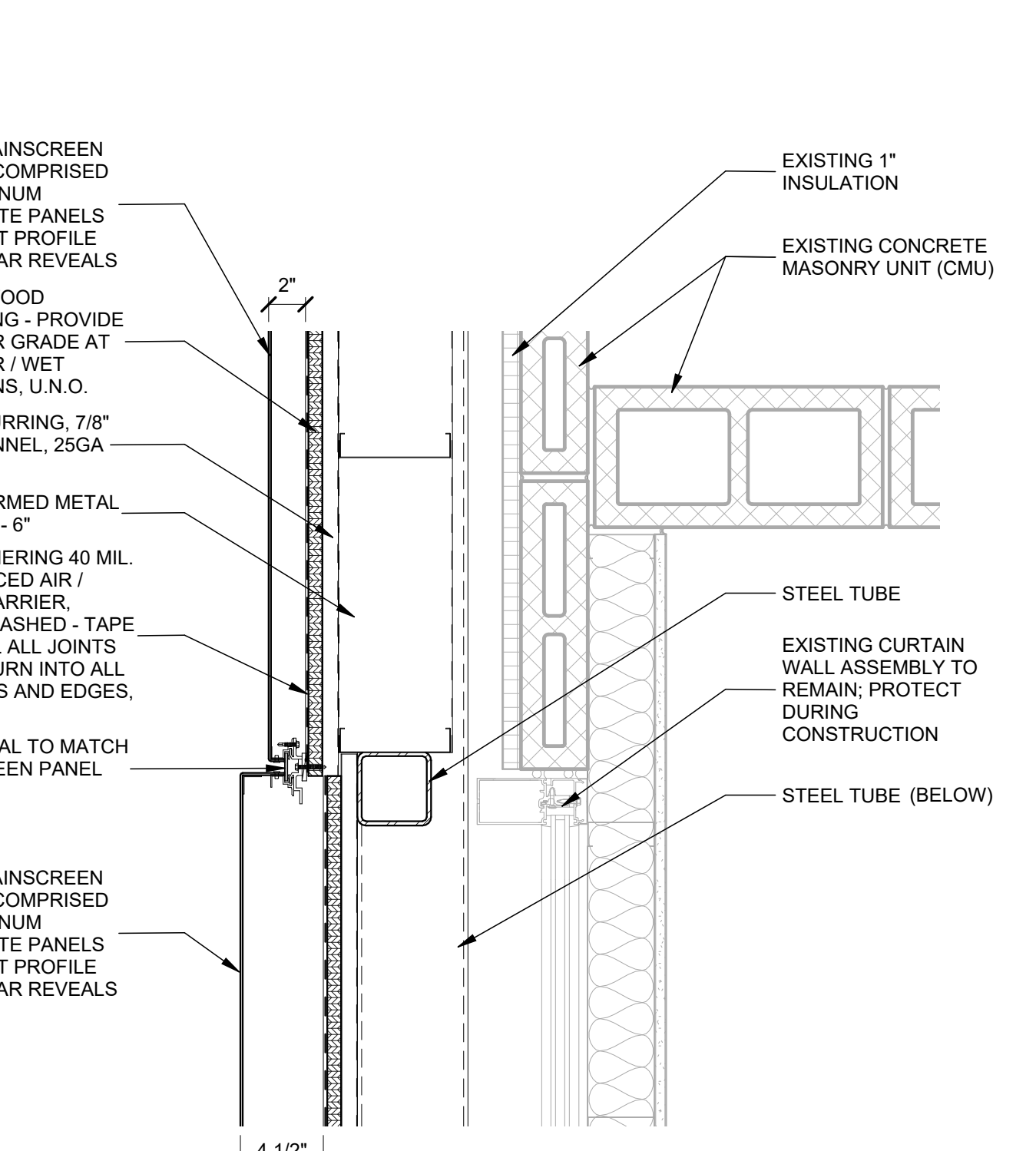
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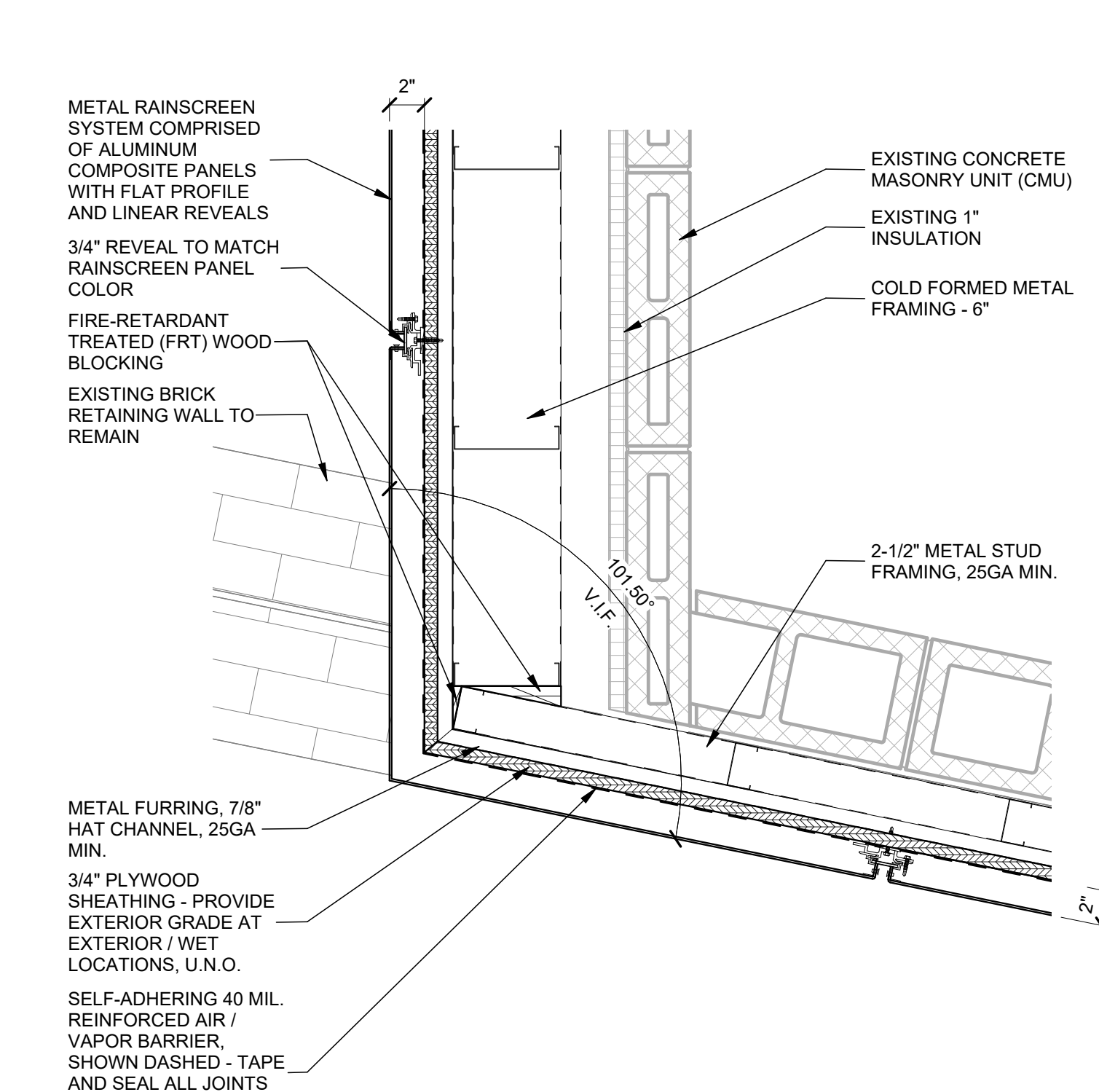
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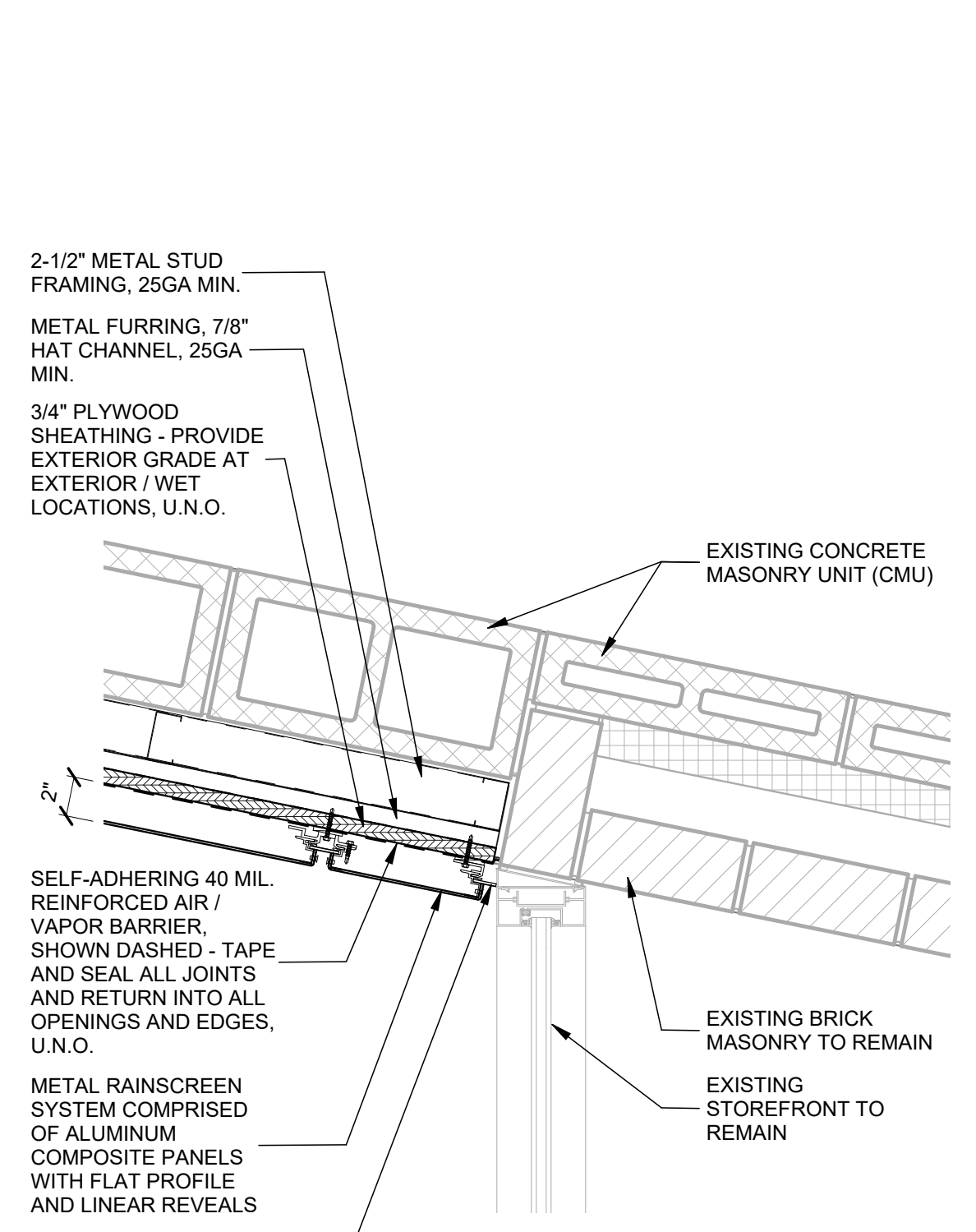
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SCALE: 1 1/2" = 1'-0"



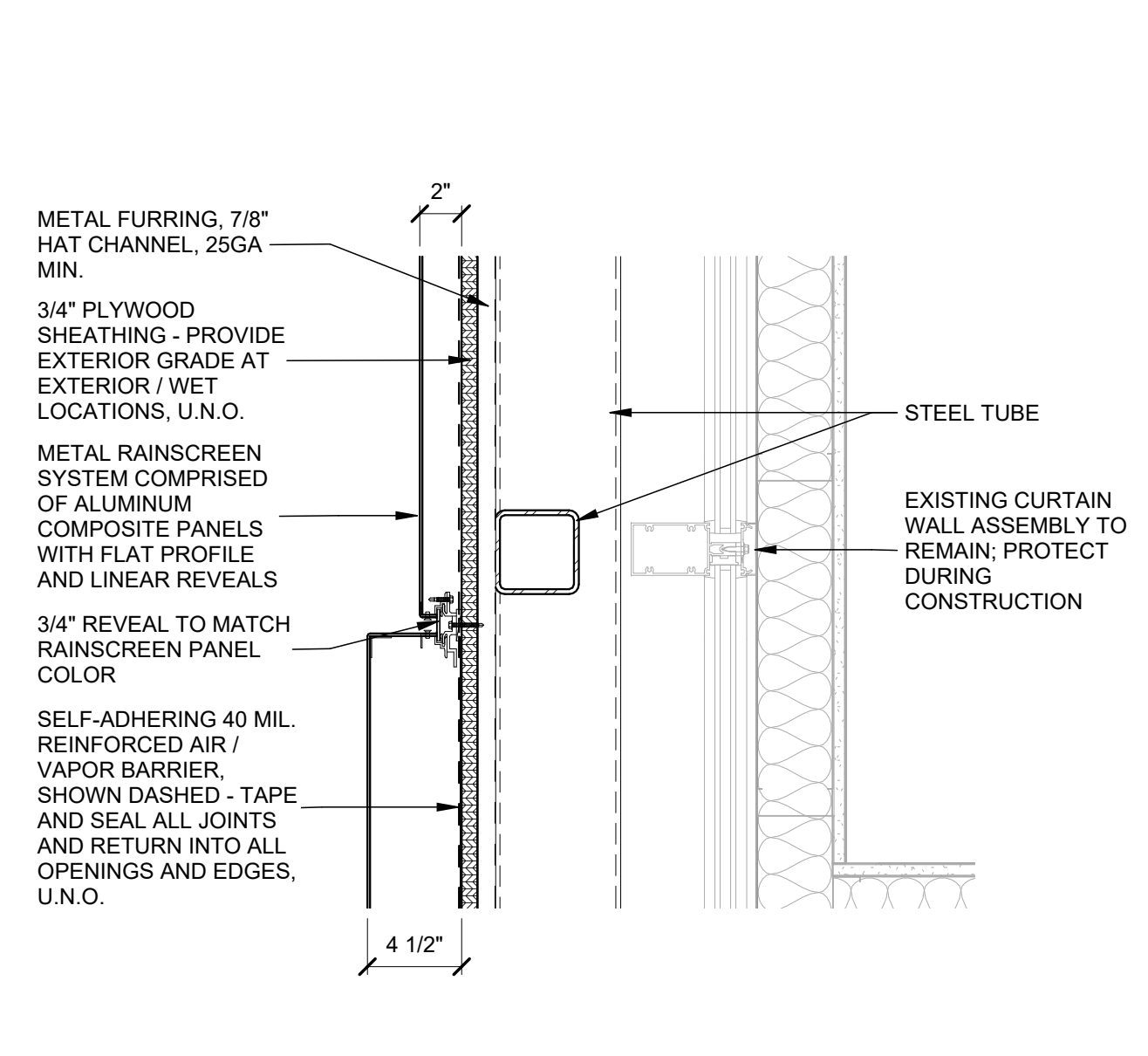
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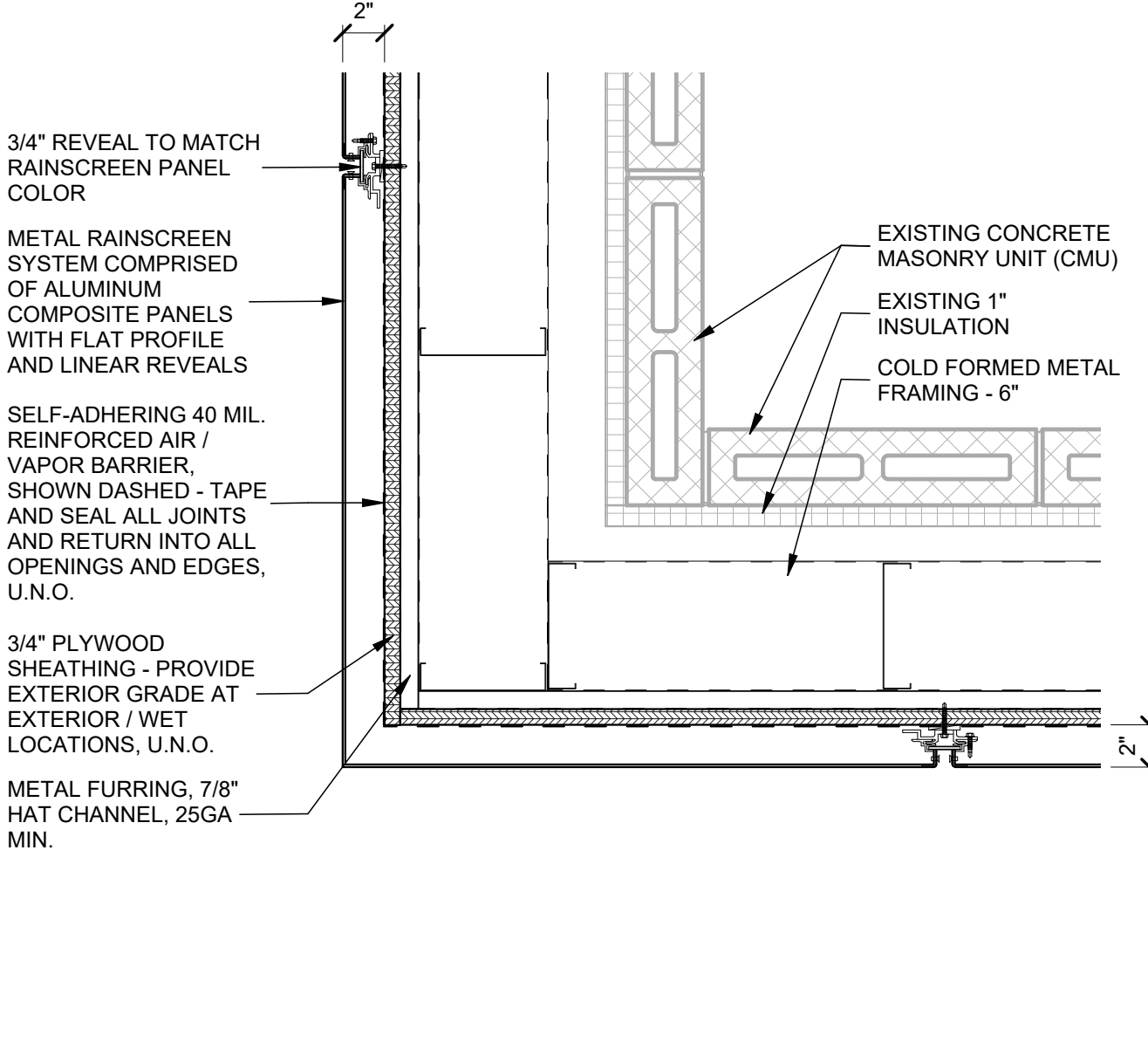
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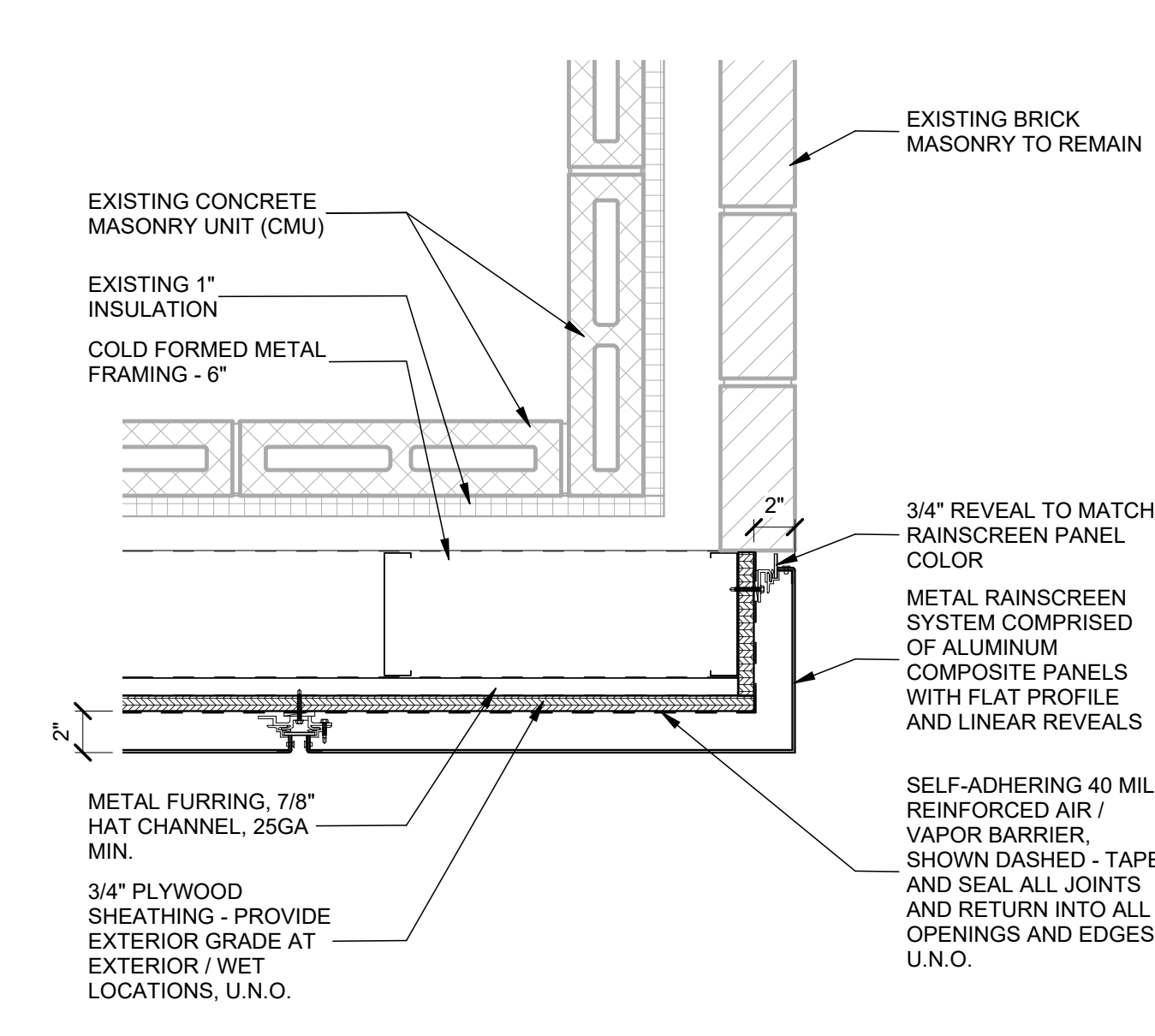
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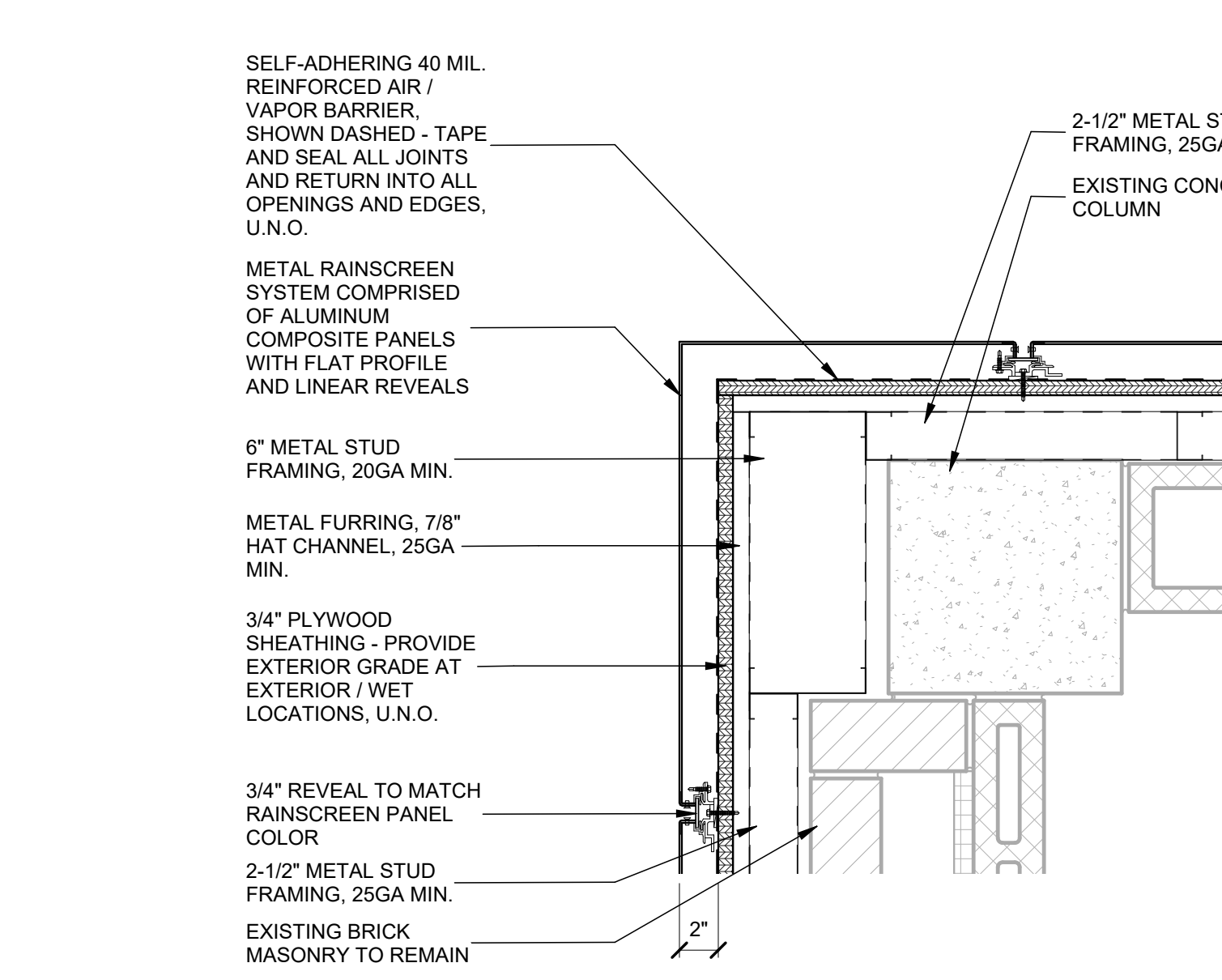
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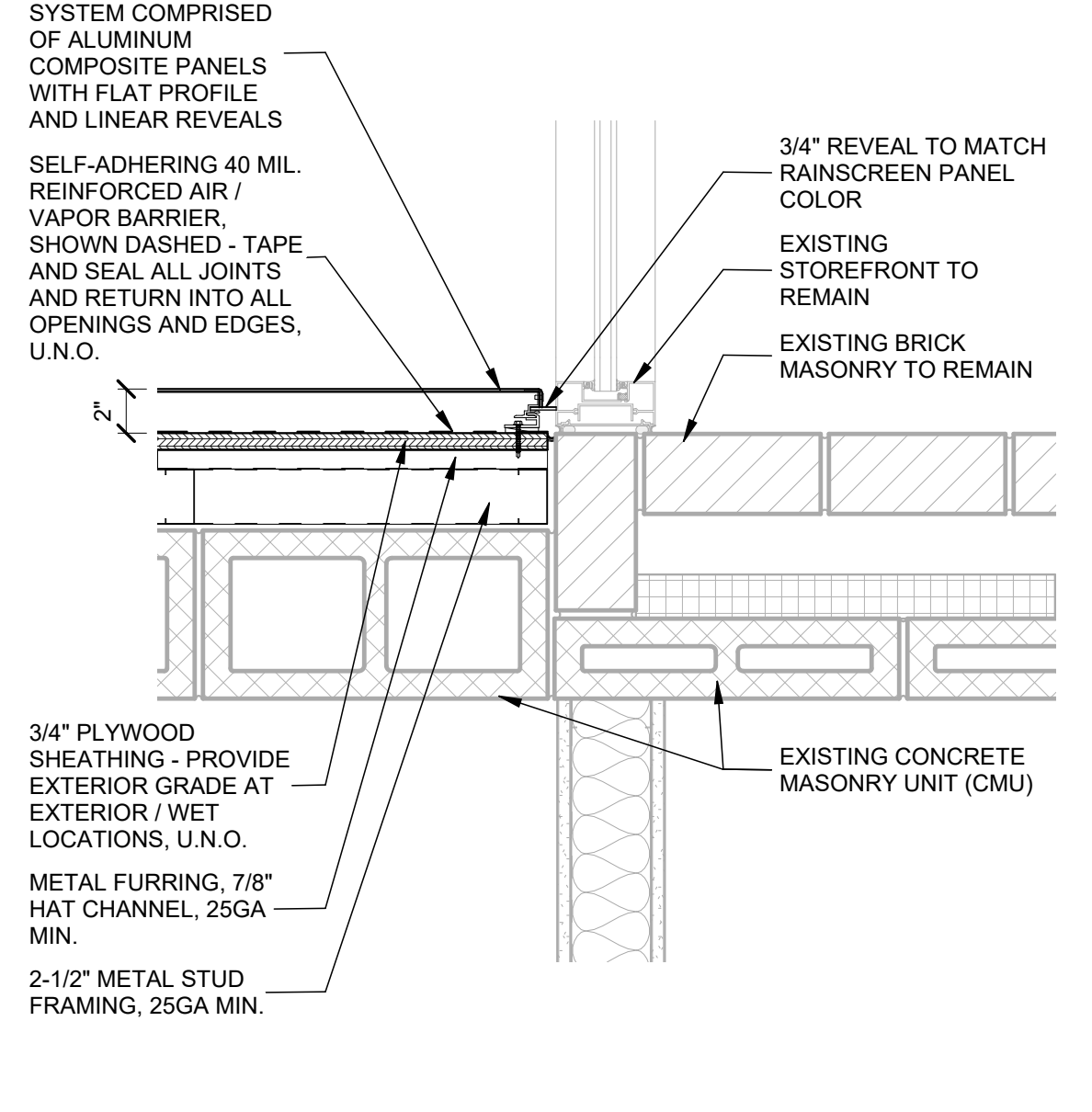
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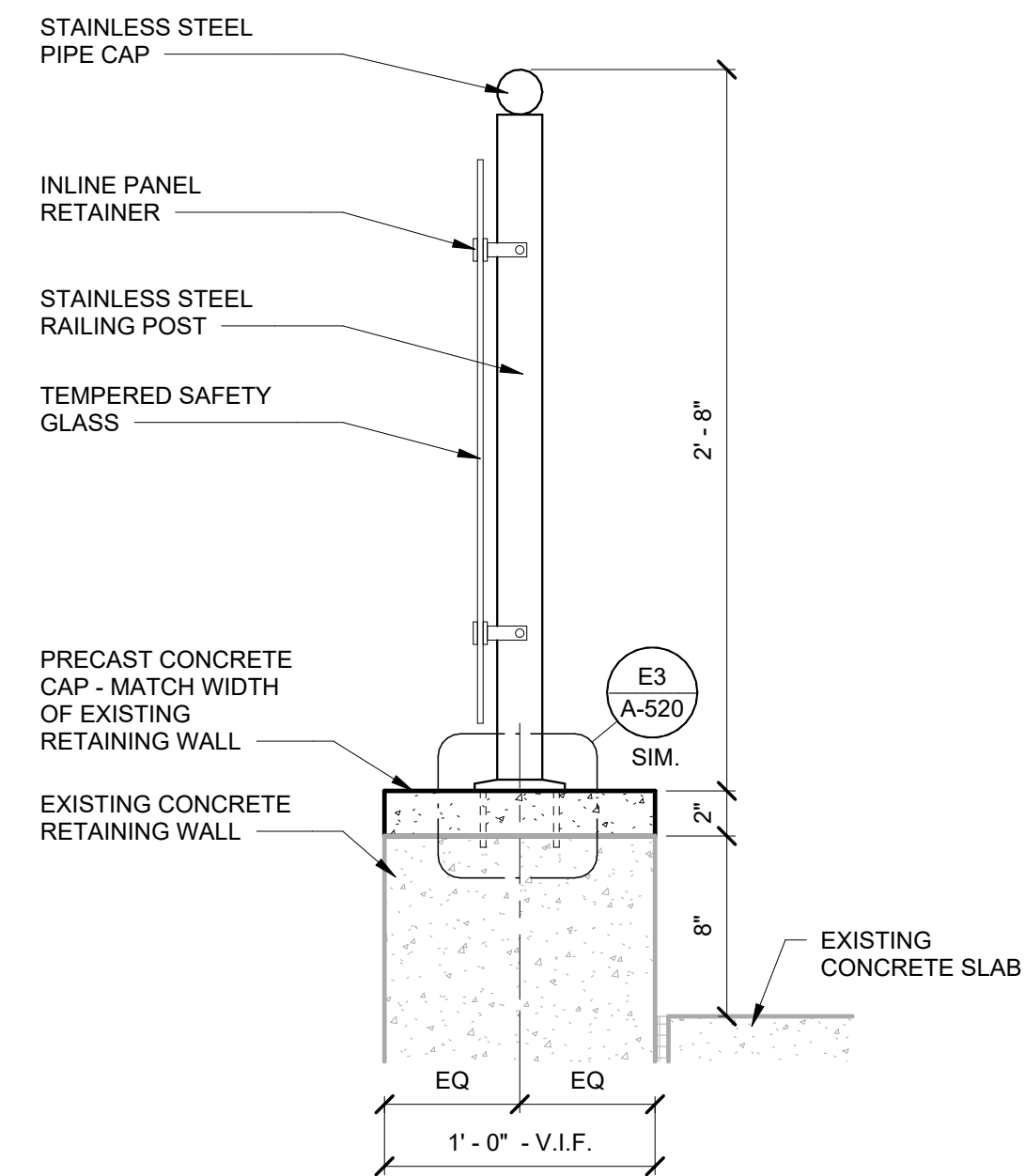
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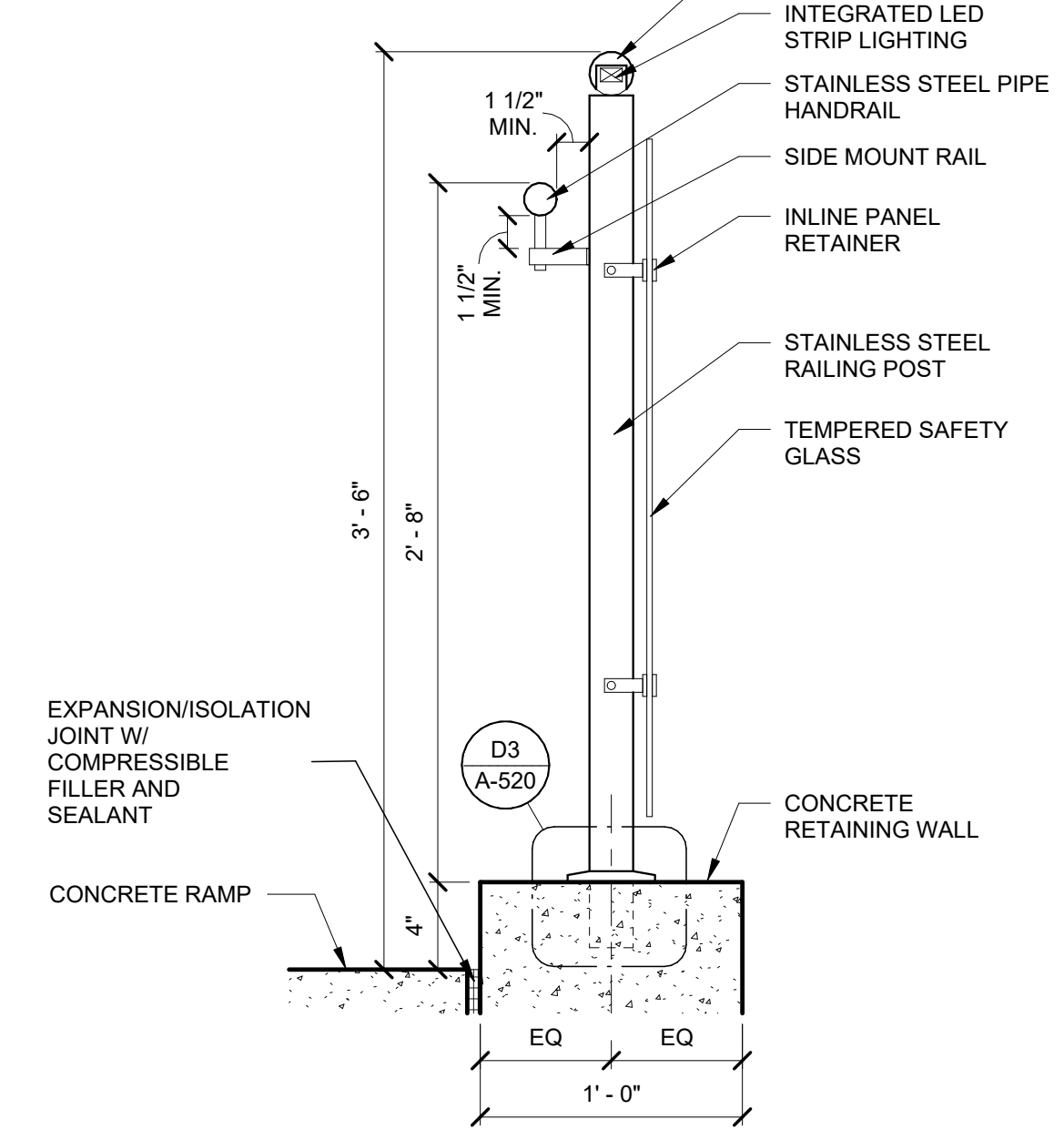
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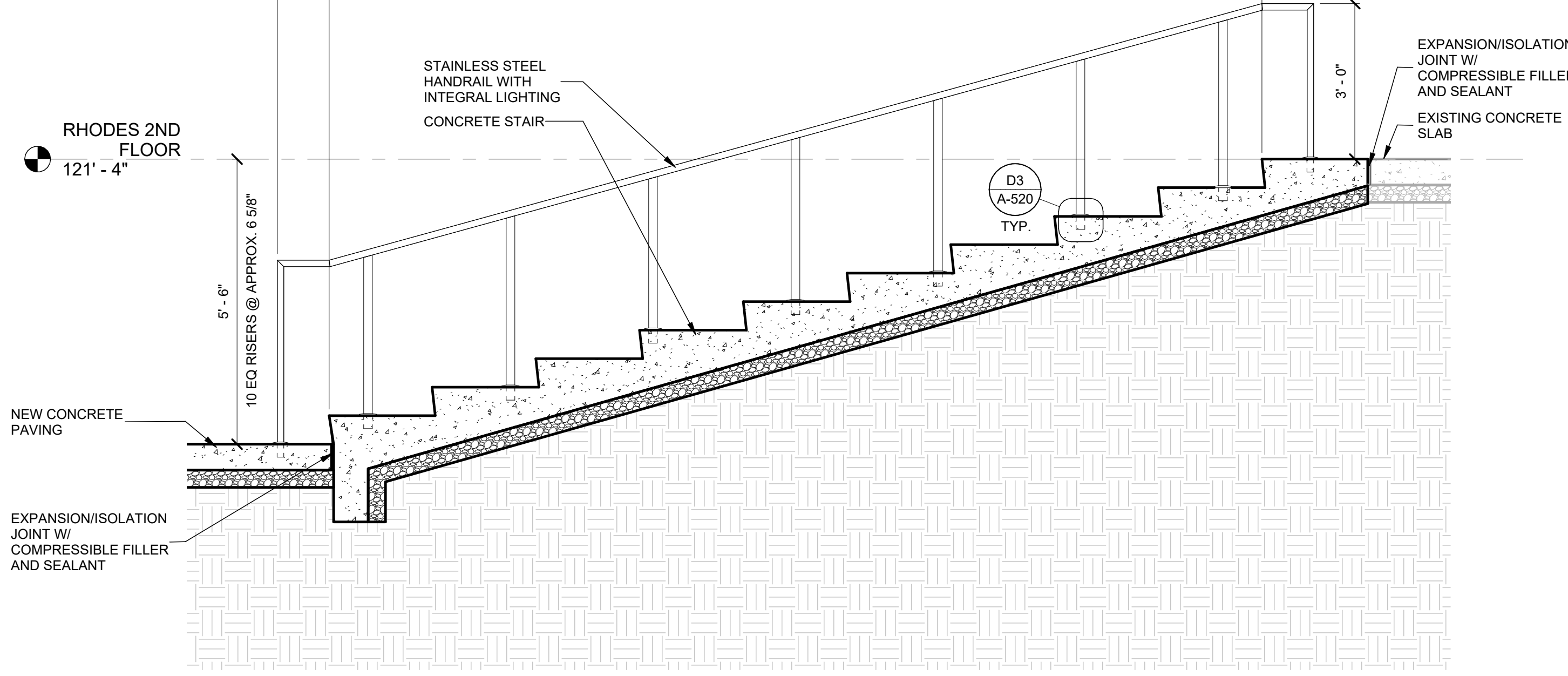
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03/13/2023 <td>DRAWN BY: J. SWENEY <td></td> </td>	DRAWN BY: J. SWENEY <td></td>	
03/13/2023 <td>DESIGNED BY: J. SWENEY <td></td> </td>	DESIGNED BY: J. SWENEY <td></td>	
03/13/2023 <td>PROJECT NO. 25201 <td></td> </td>	PROJECT NO. 25201 <td></td>	
03/13/2023 <td>PROJECT NAME: CLARK STATE COLLEGE RHODES HALL RENOVATIONS <td></td> </td>	PROJECT NAME: CLARK STATE COLLEGE RHODES HALL RENOVATIONS <td></td>	
03/13/2023 <td>PHASE 4 <td></td> </td>	PHASE 4 <td></td>	
03/13/2023 <td>570 LEFFEL LANE <td></td> </td>	570 LEFFEL LANE <td></td>	
03/13/2023 <td>SPRINGFIELD, OH 45505 <td></td> </td>	SPRINGFIELD, OH 45505 <td></td>	
03/13/2023 <td>PLAN DETAILS <td></td> </td>	PLAN DETAILS <td></td>	
03/13/2023 <td>SHEET IDENTIFICATION <td></td> </td>	SHEET IDENTIFICATION <td></td>	
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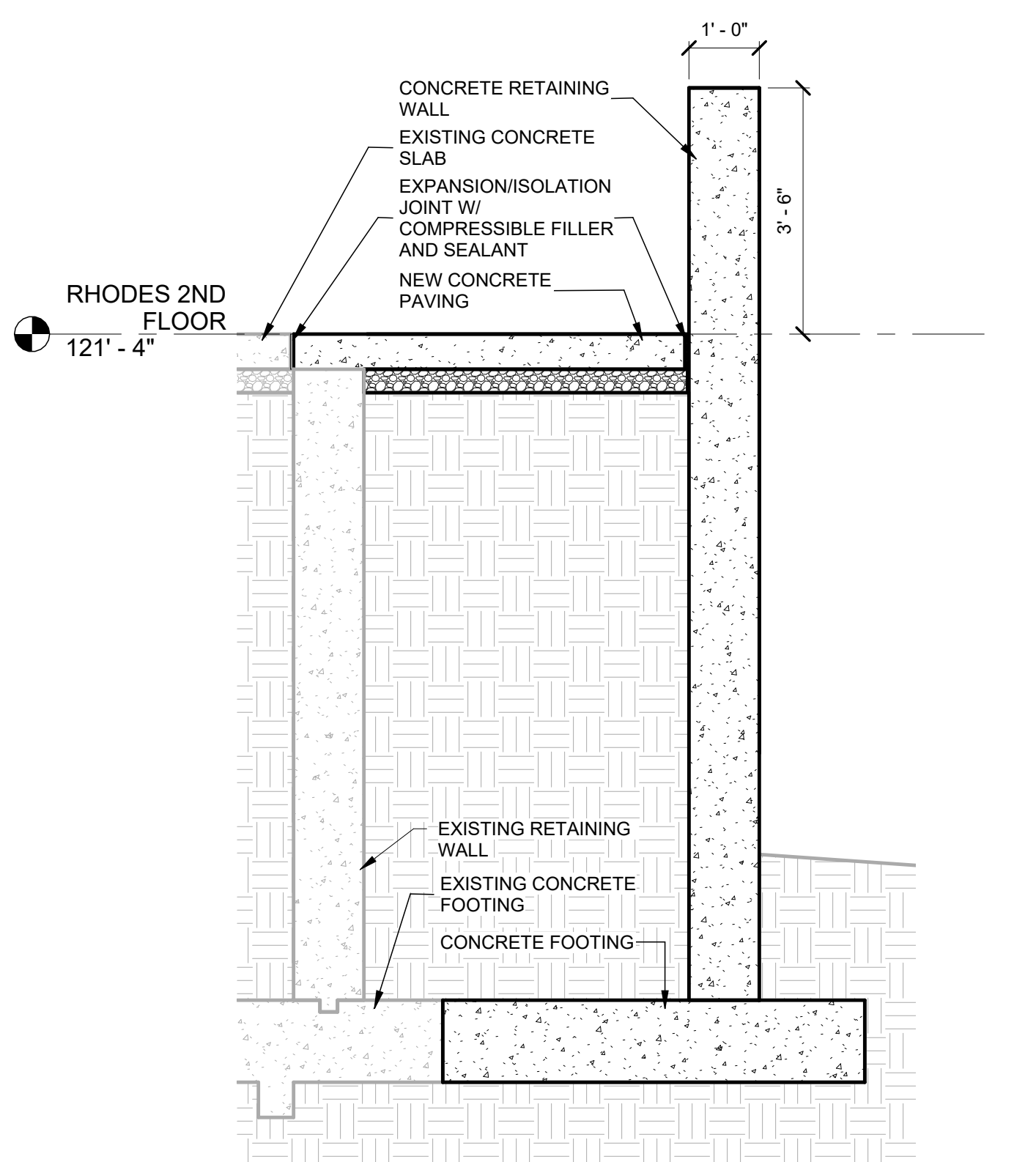
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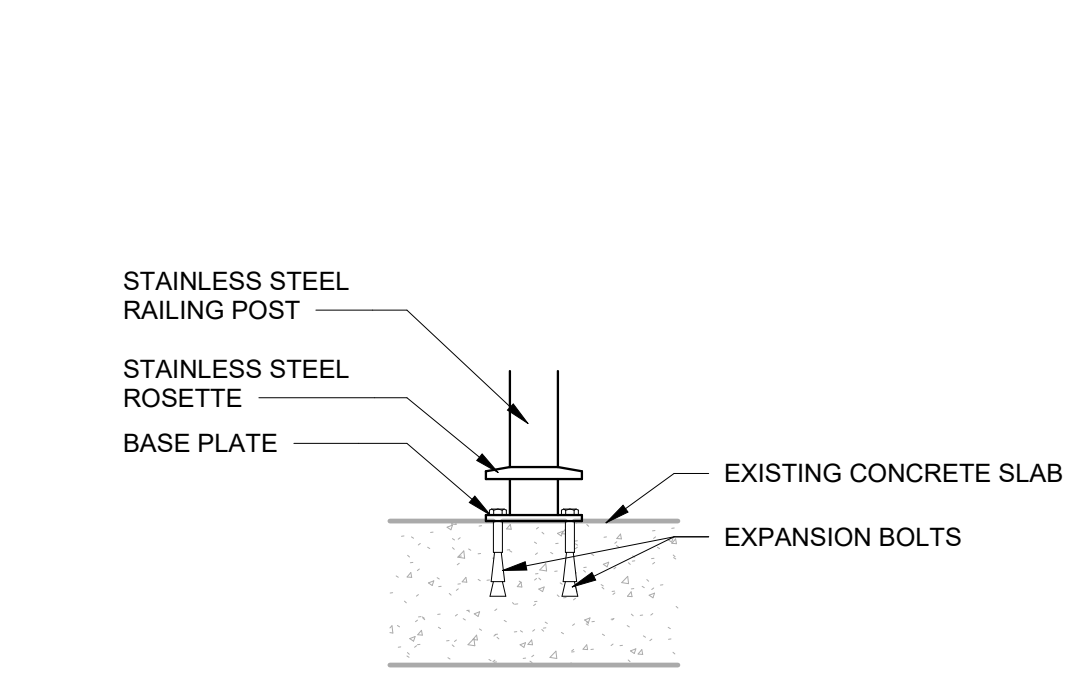
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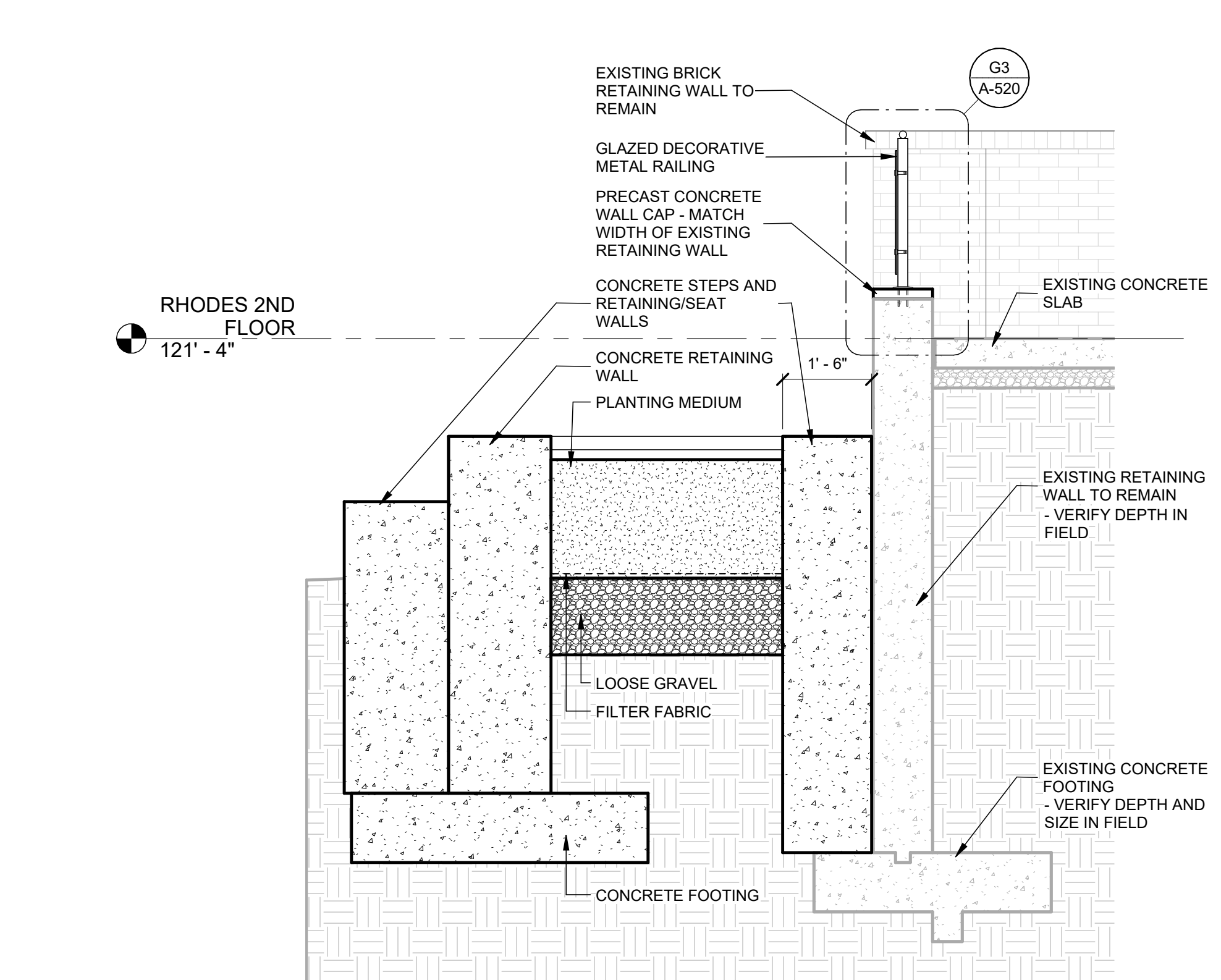
G8 STAIR SECTION
SCALE: 1/2" = 1'-0"



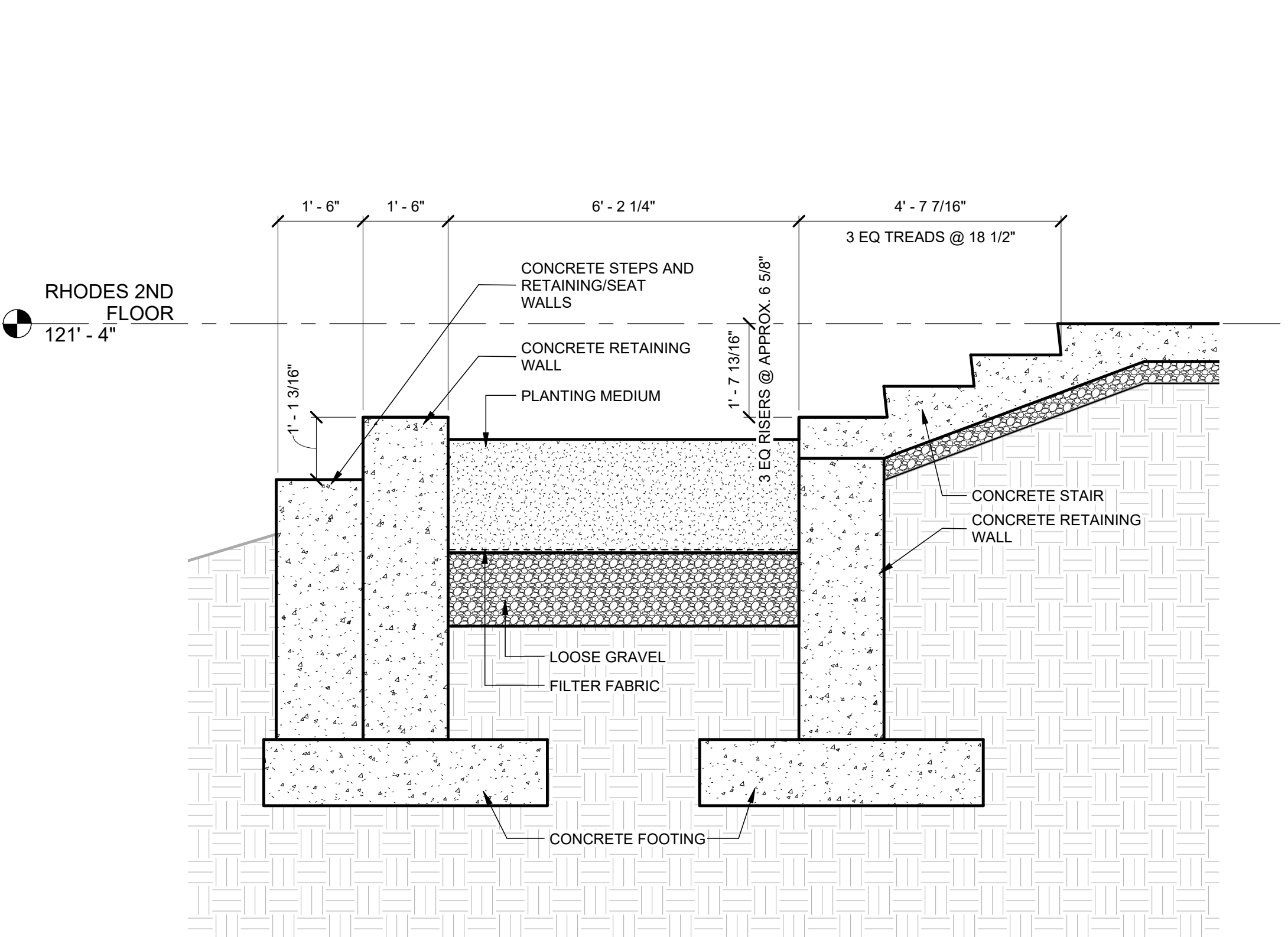
C1 PLAZA SECTION
SCALE: 1/2" = 1'-0"



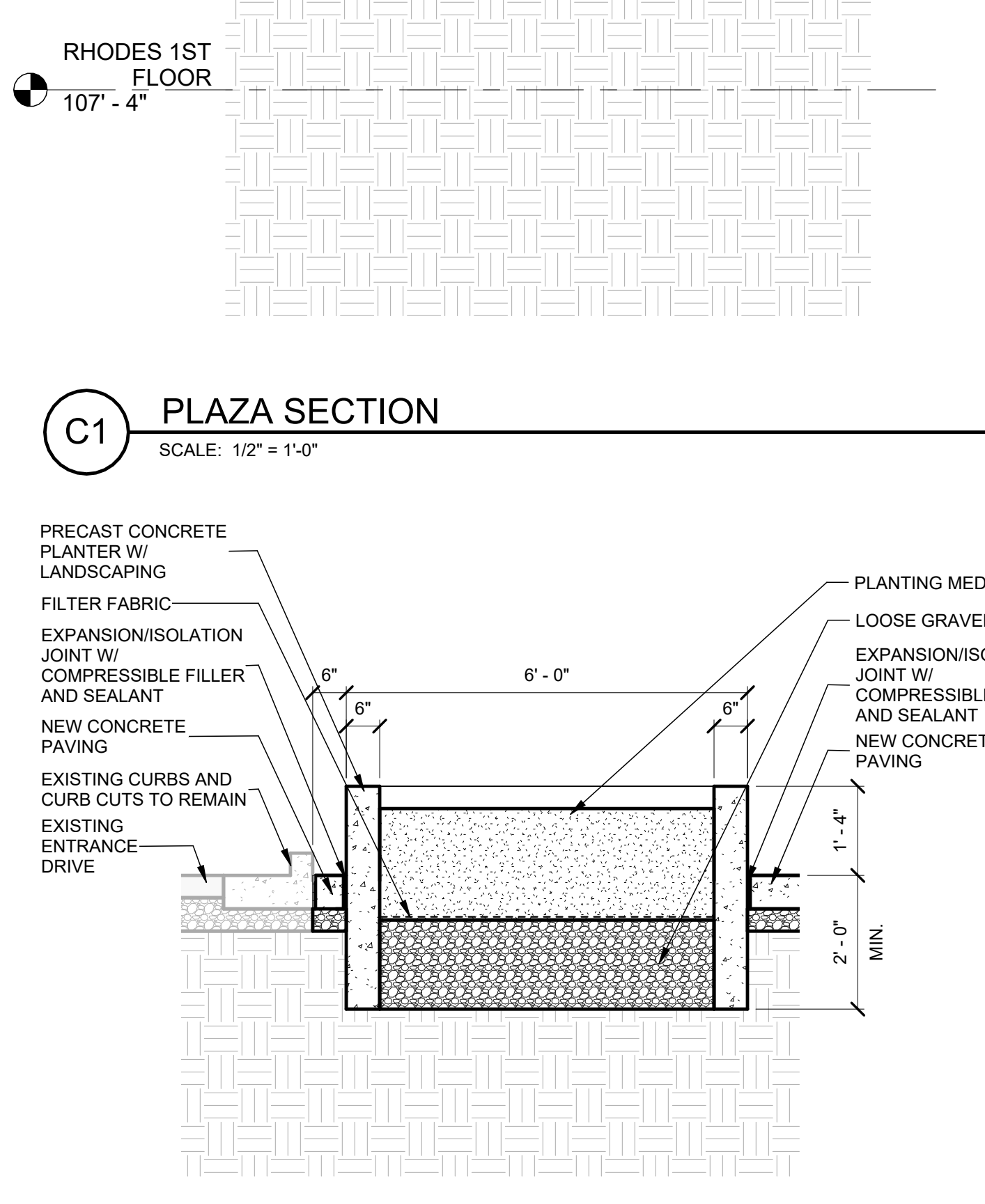
E3 RAILING DETAIL
SCALE: 1 1/2" = 1'-0"



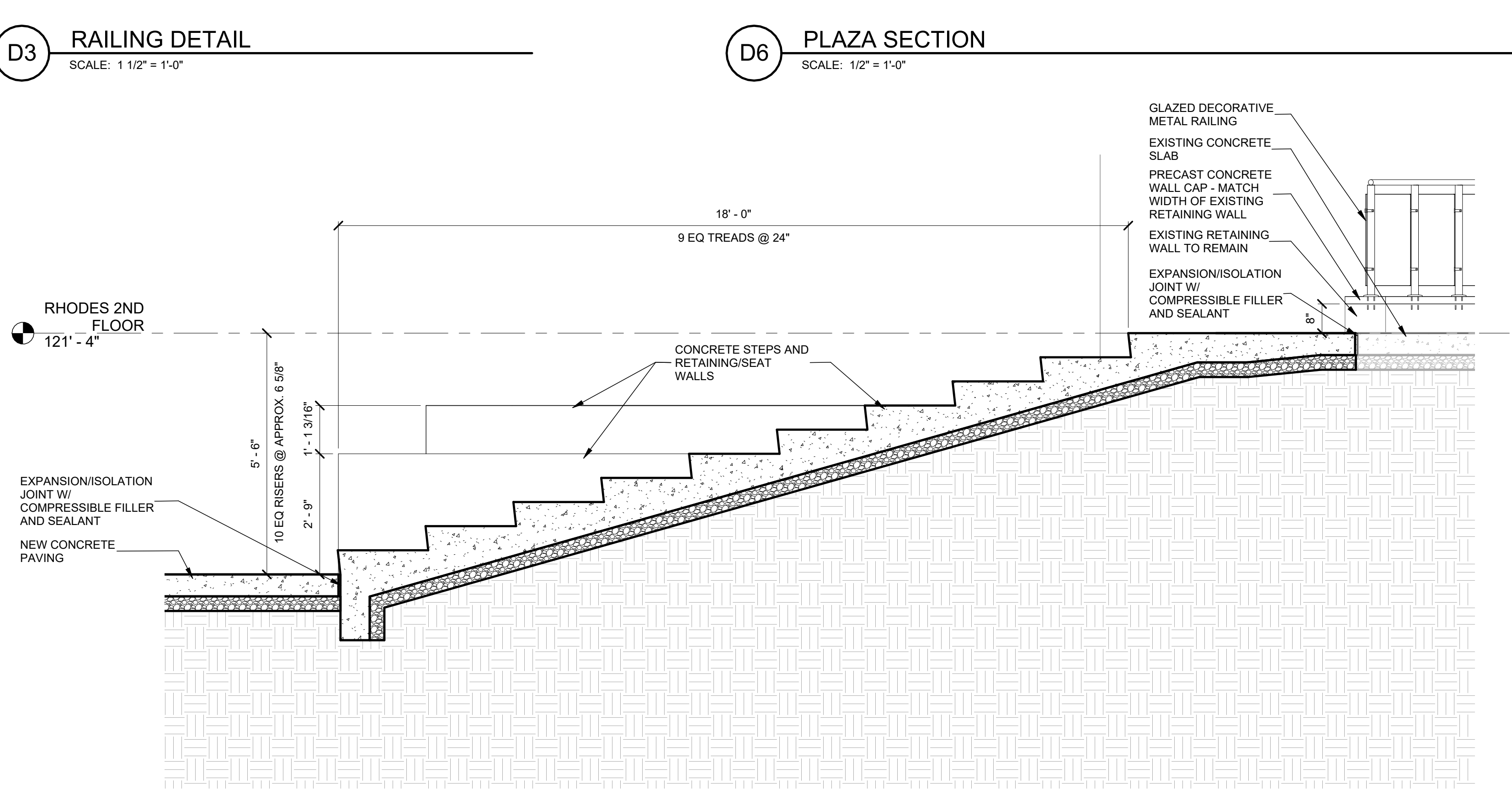
D6 PLAZA SECTION
SCALE: 1/2" = 1'-0"



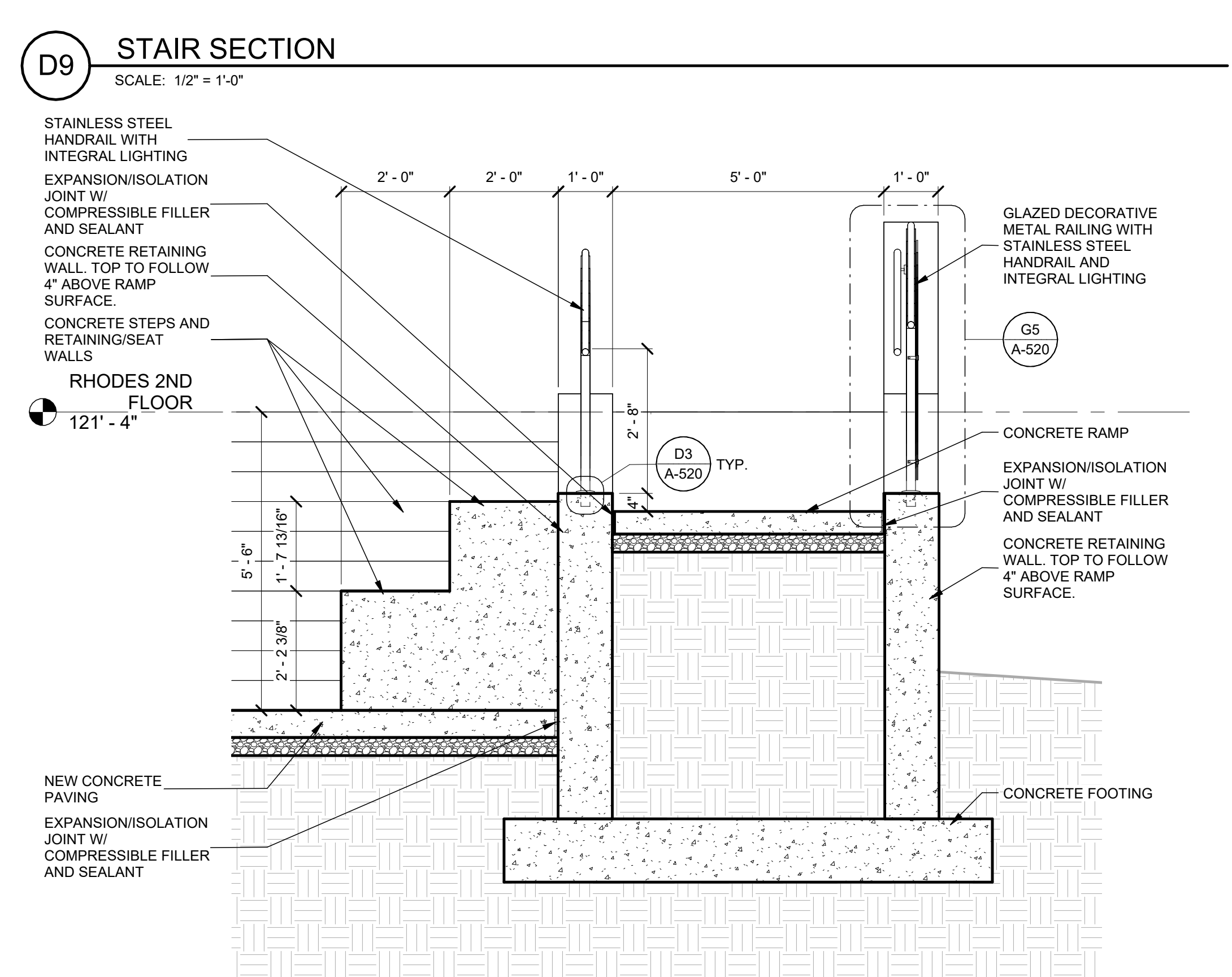
D9 STAIR SECTION
SCALE: 1/2" = 1'-0"



A1 PLANTER SECTION
SCALE: 1/2" = 1'-0"



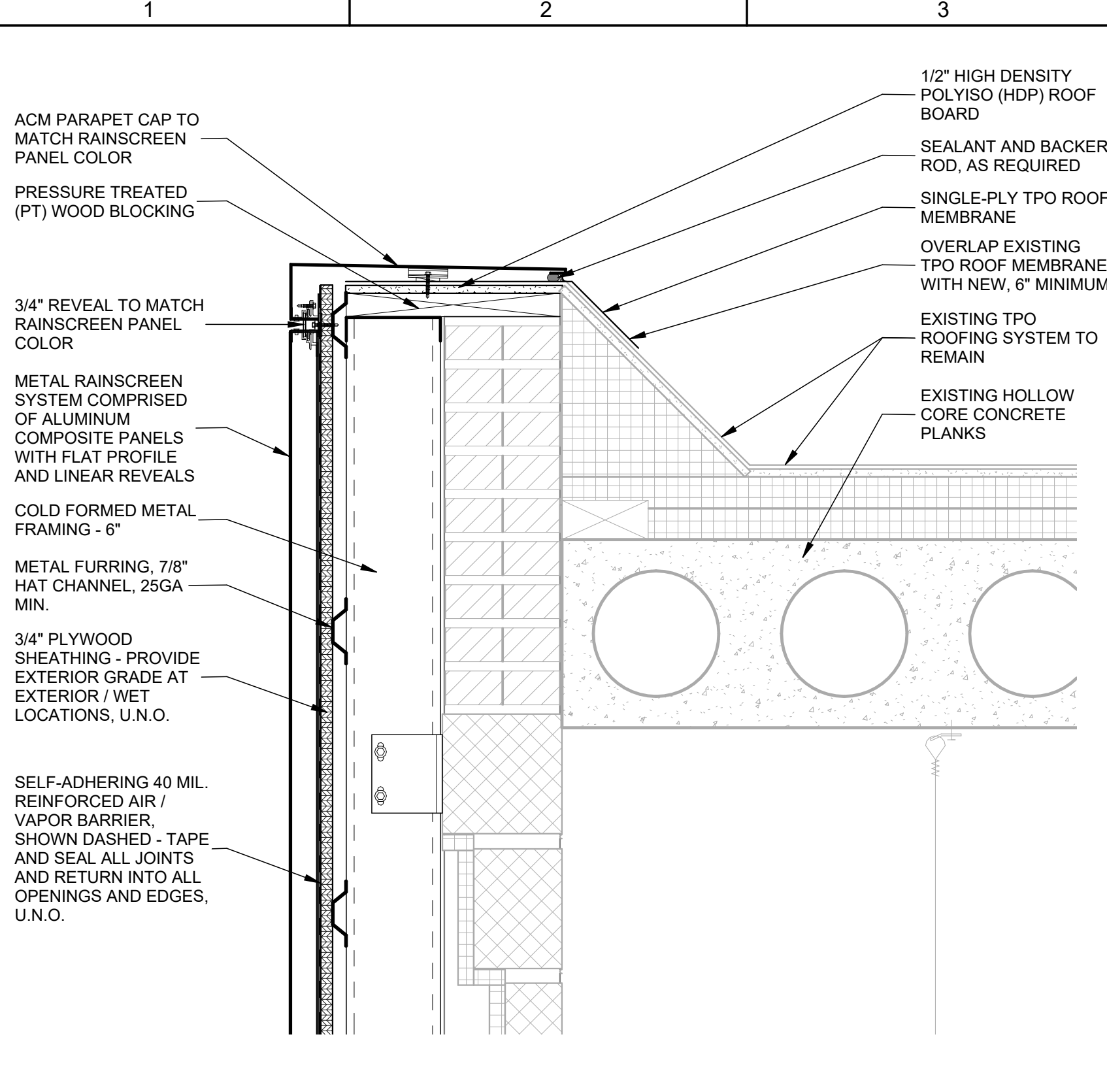
A3 STAIR SECTION
SCALE: 1/2" = 1'-0"



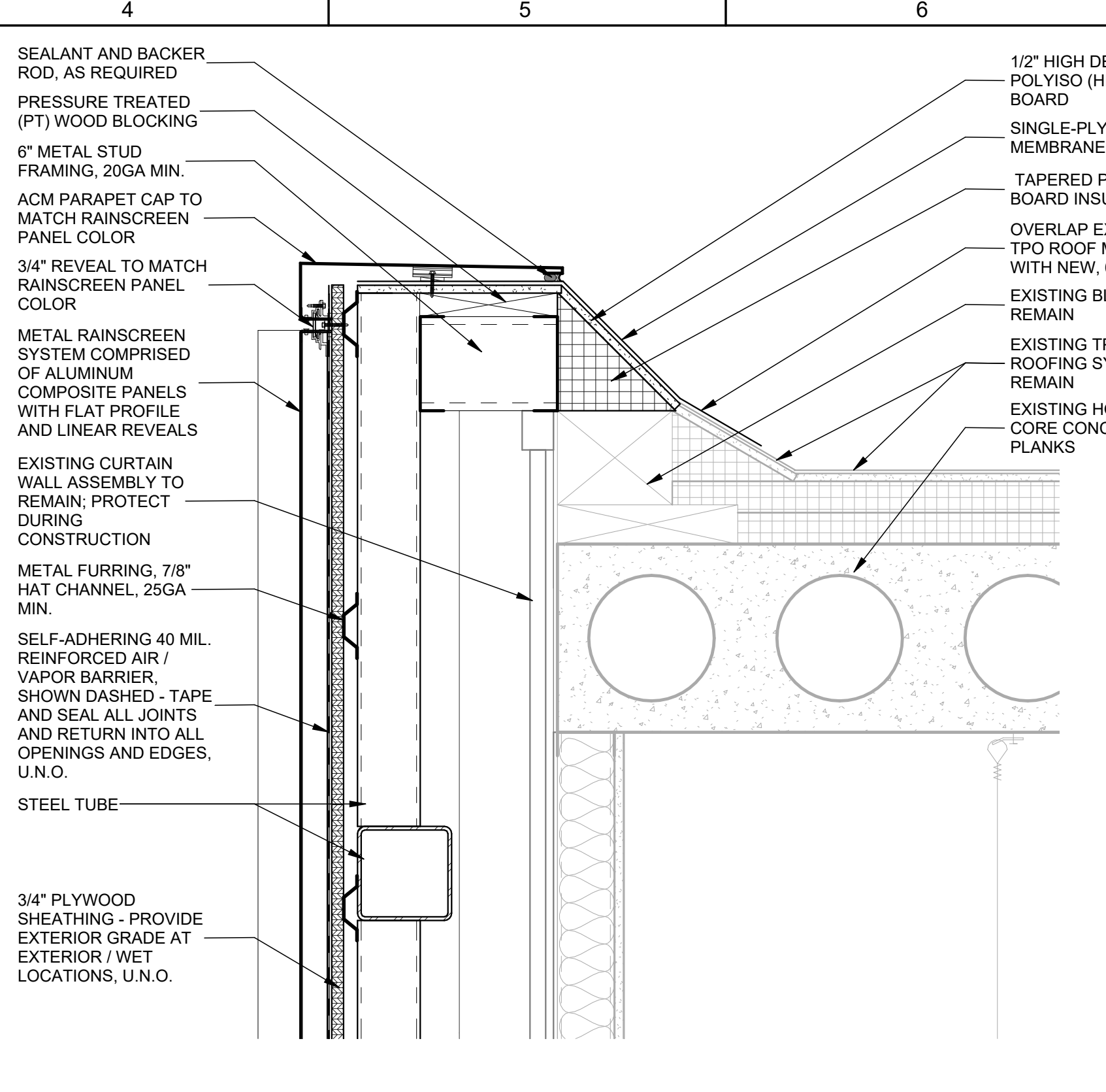
A9 RAMP SECTION
SCALE: 1/2" = 1'-0"

DATE	DESCRIPTION
03/13/2023	AS SHOWN

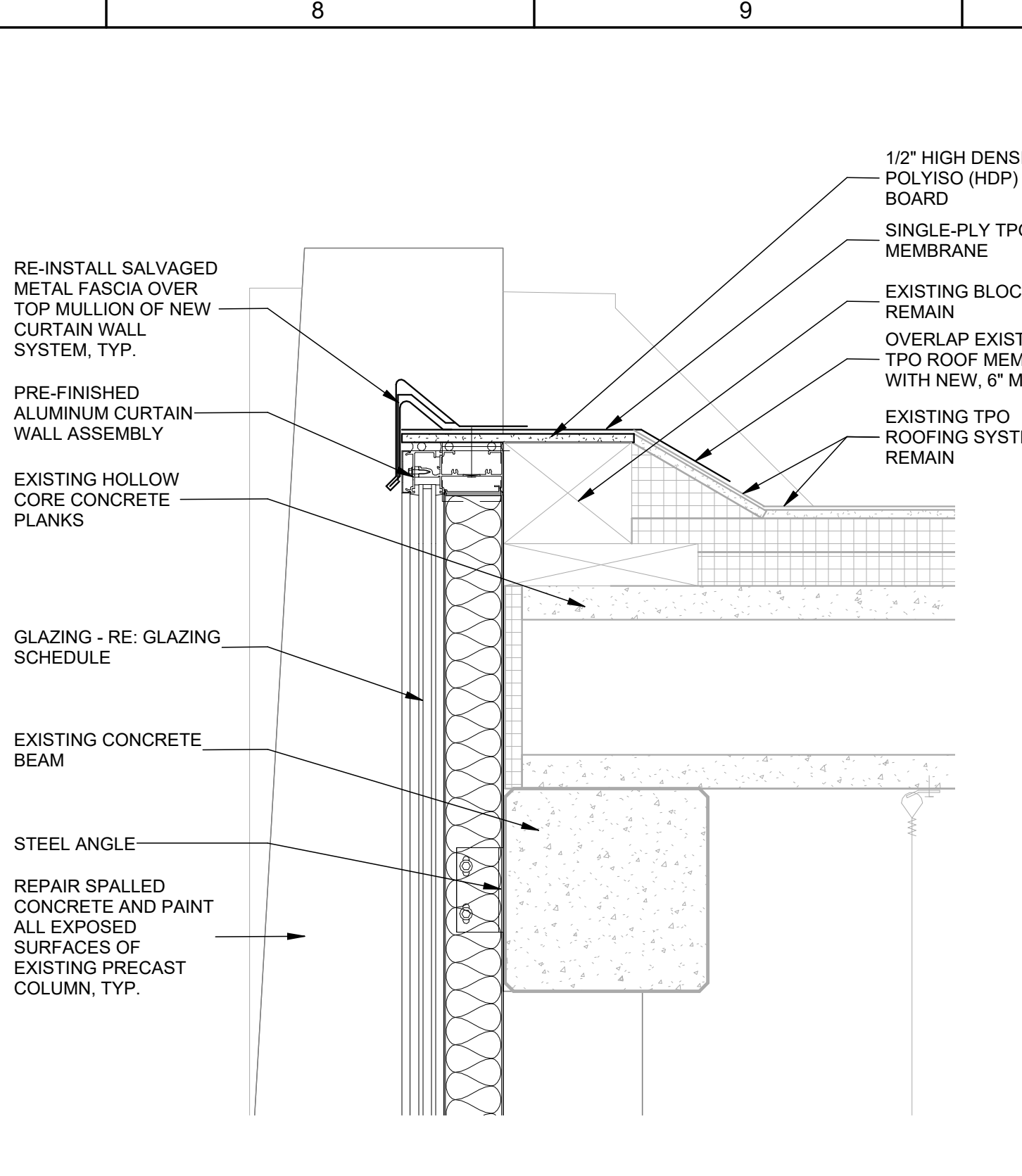
DESIGNED BY: J. CRENS
CHECKED BY: J. SWENNEY
DRAWN BY: J. SWENNEY
PROJECT NO.: 252501
DATE: 03/13/2023
PROJECT: CLARK STATE COLLEGE RHODES HALL RENOVATIONS PHASE 4
570 LEFFEL LANE
SPRINGFIELD, OH 45505
PLAZA DETAILS
SHEET IDENTIFICATION
A-520
03/13/2023
STATE OF OHIO
CHRISTINA WILLIS
REGISTERED ARCHITECT



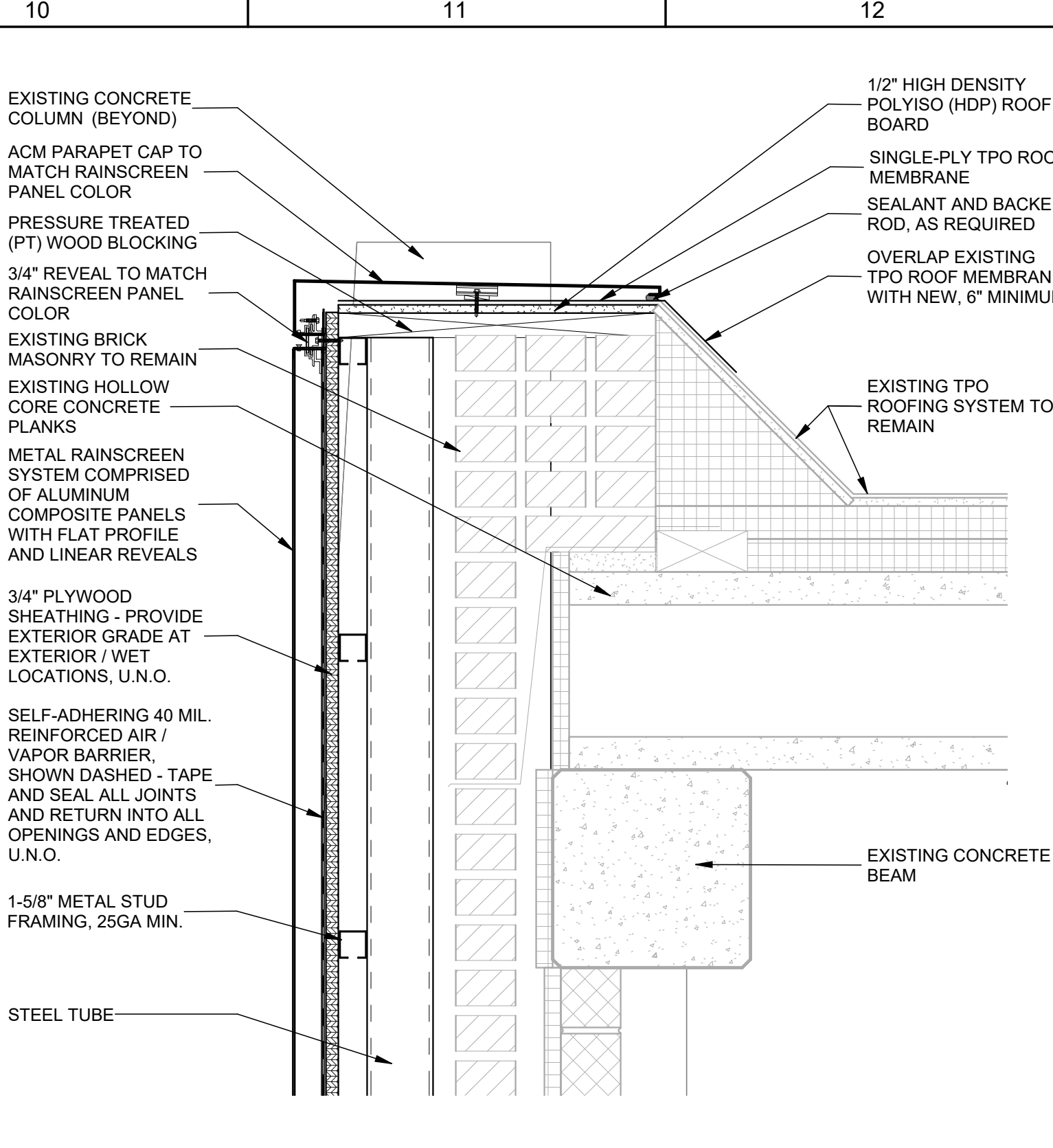
G1 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



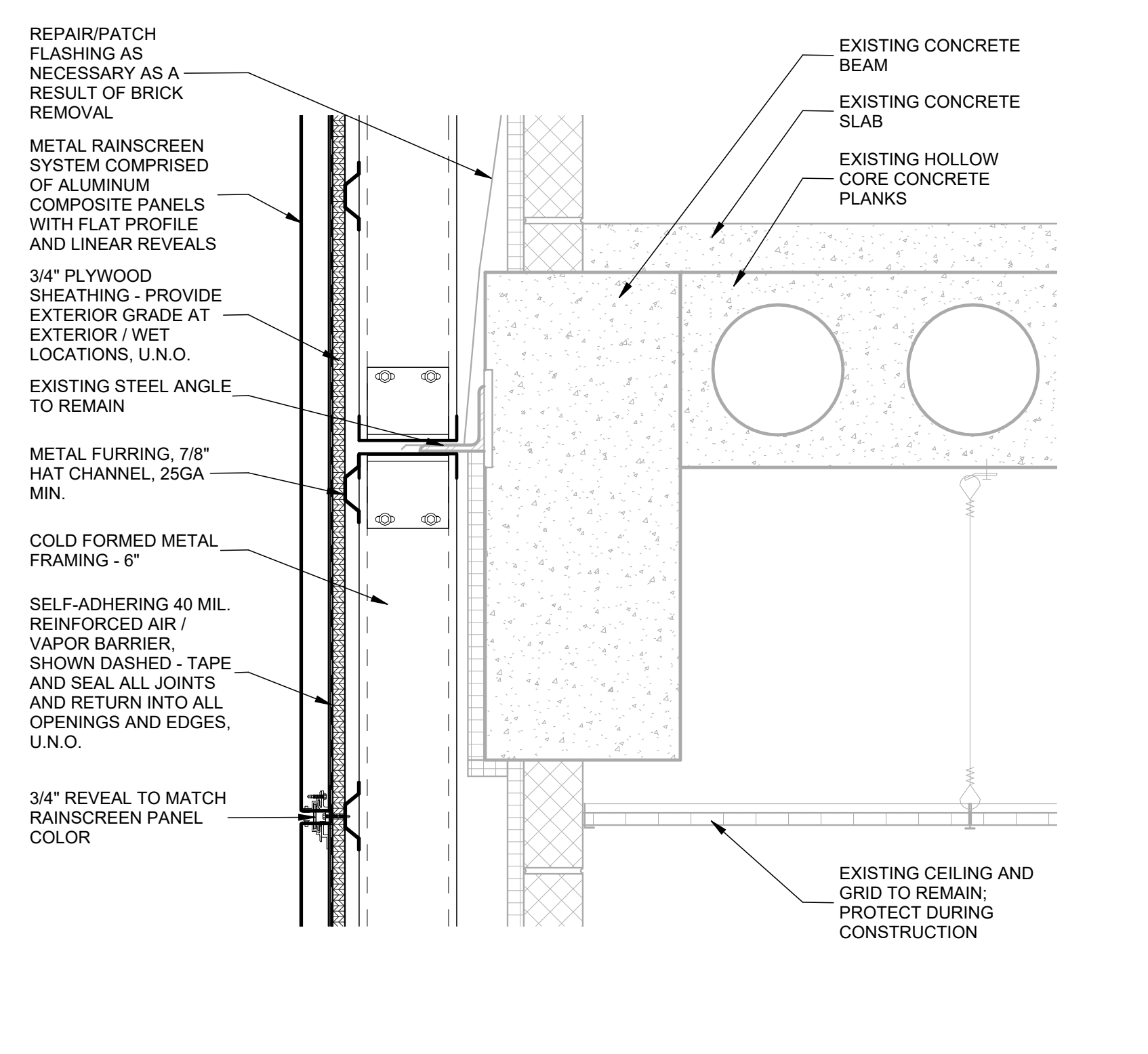
G4 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



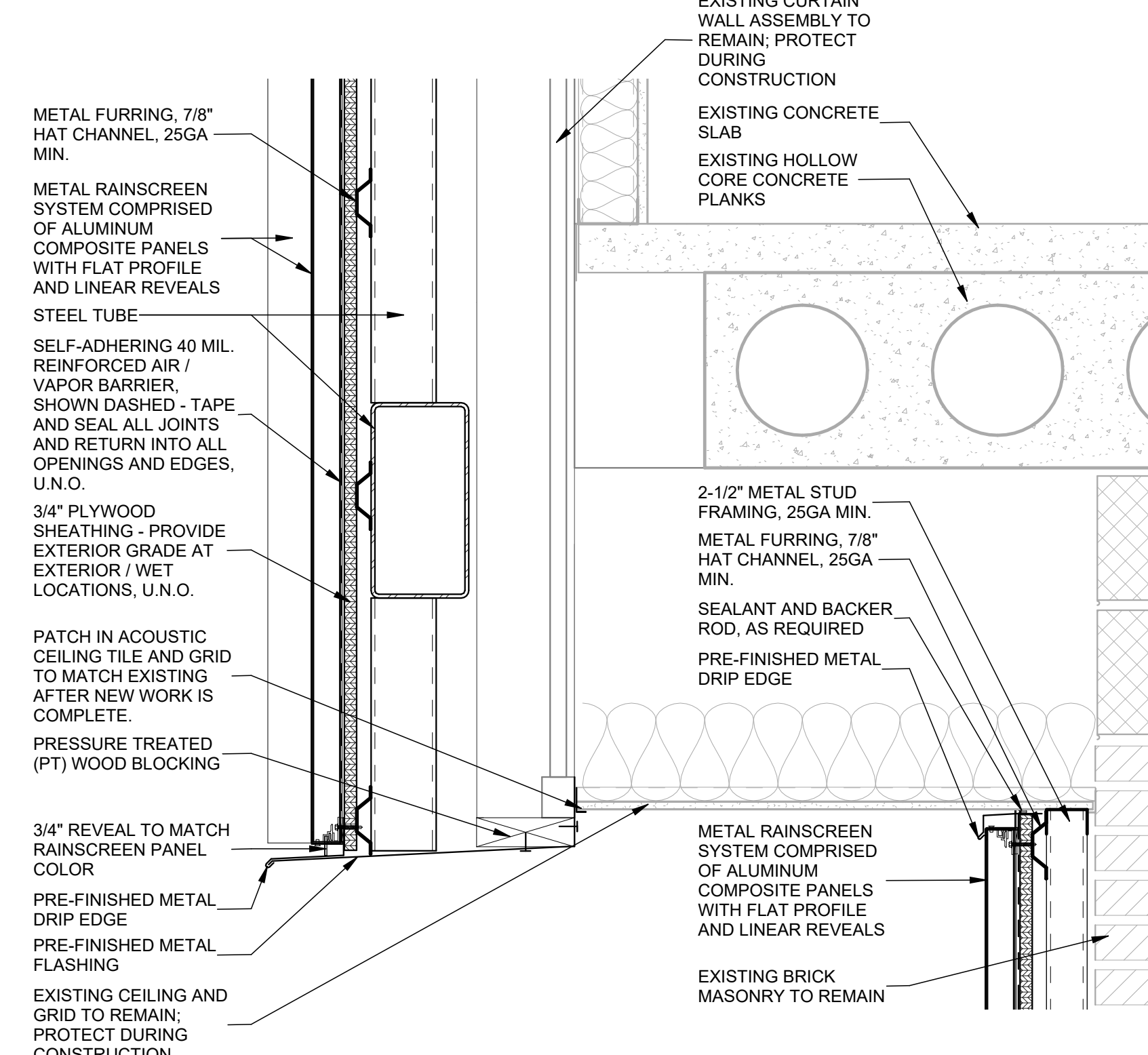
G7 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



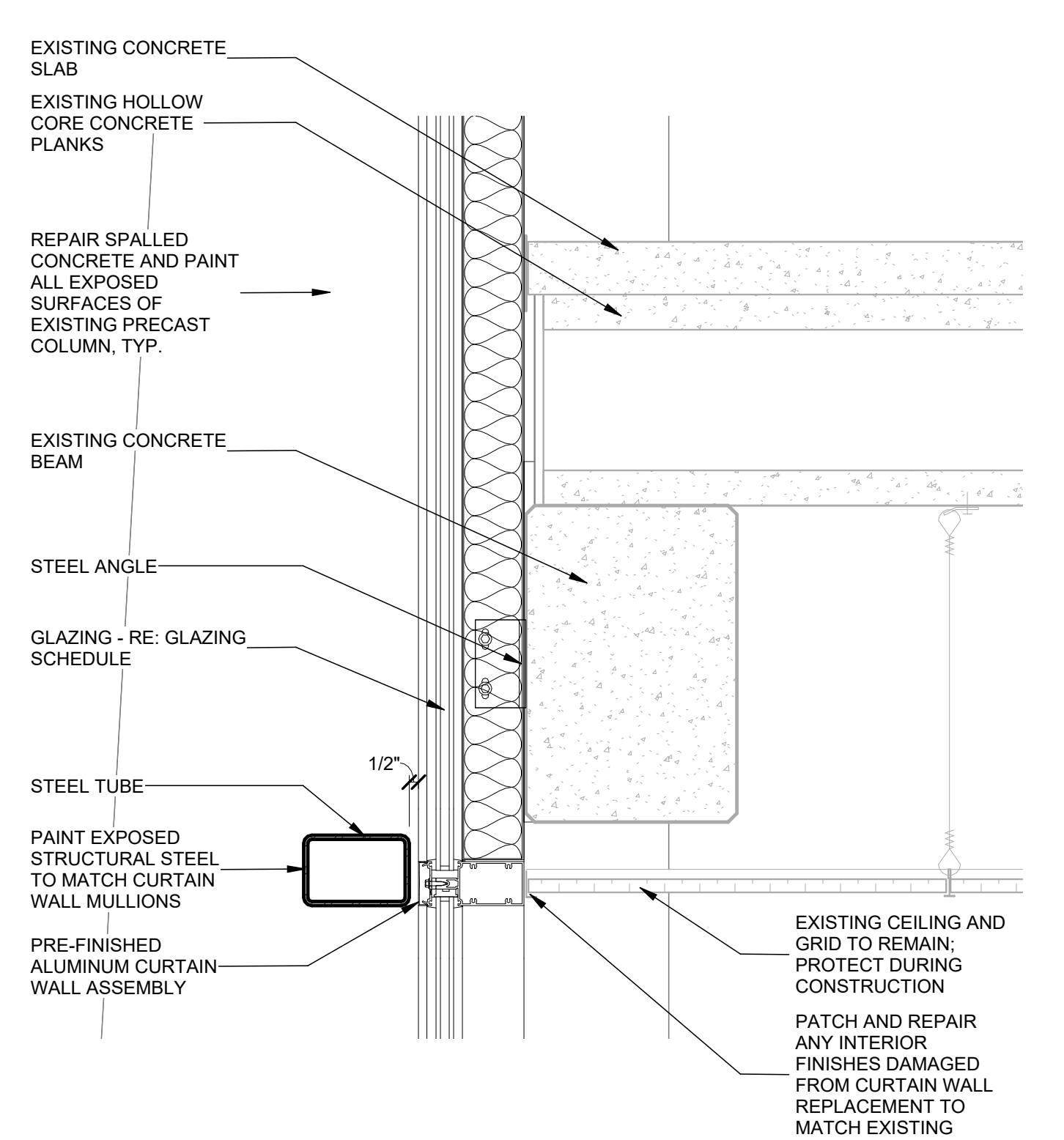
G10 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



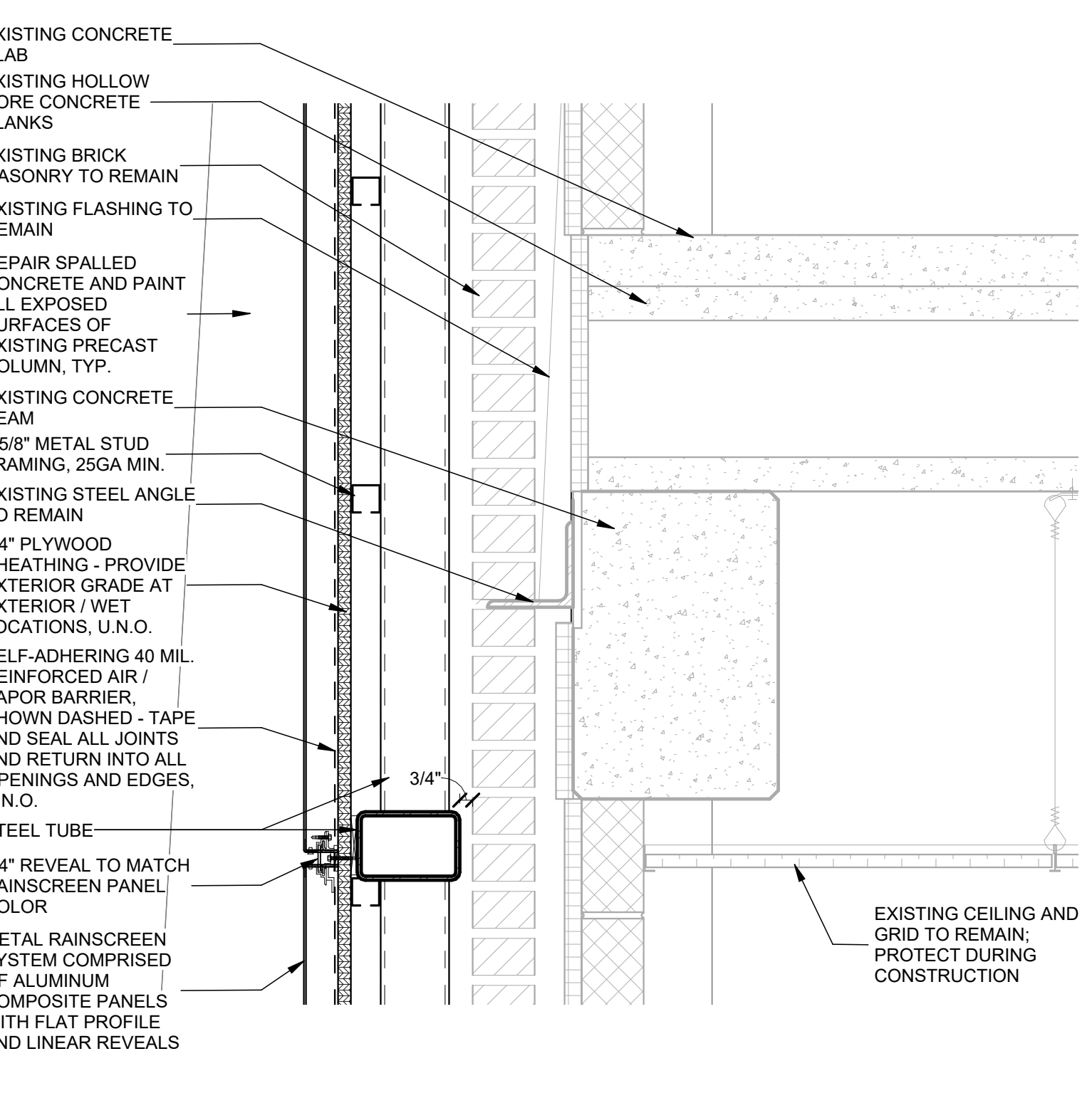
D1 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



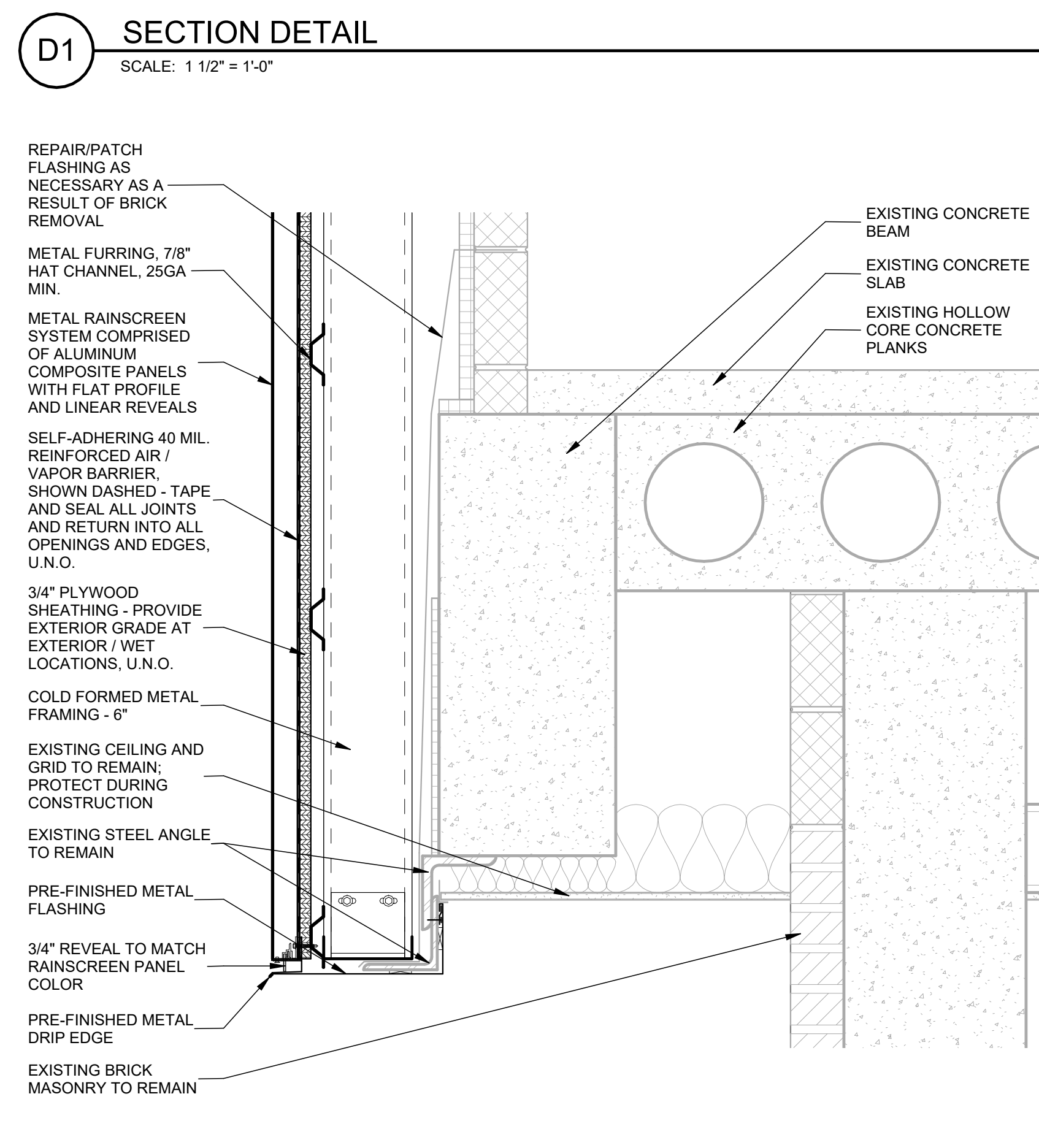
D4 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



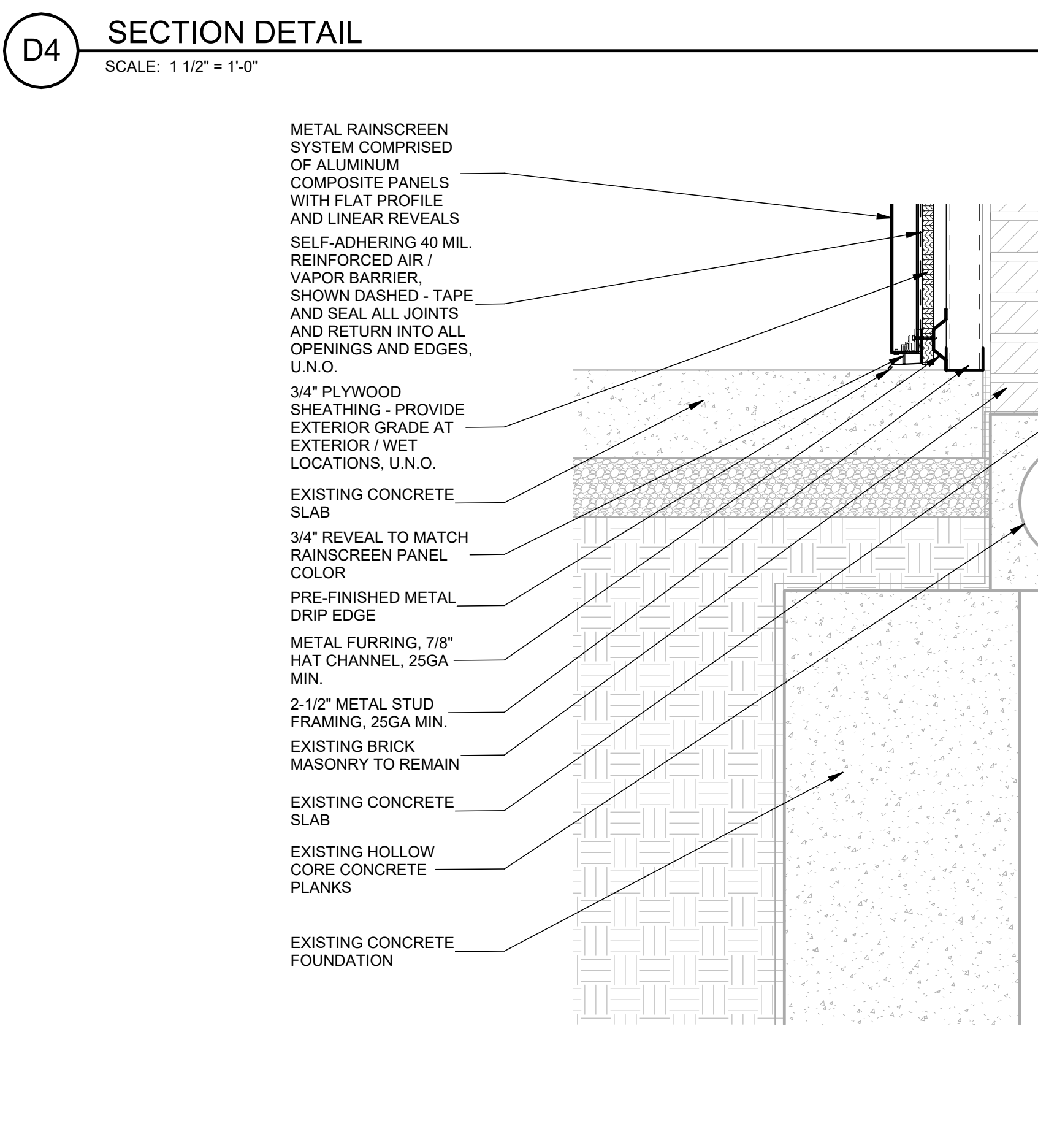
D7 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



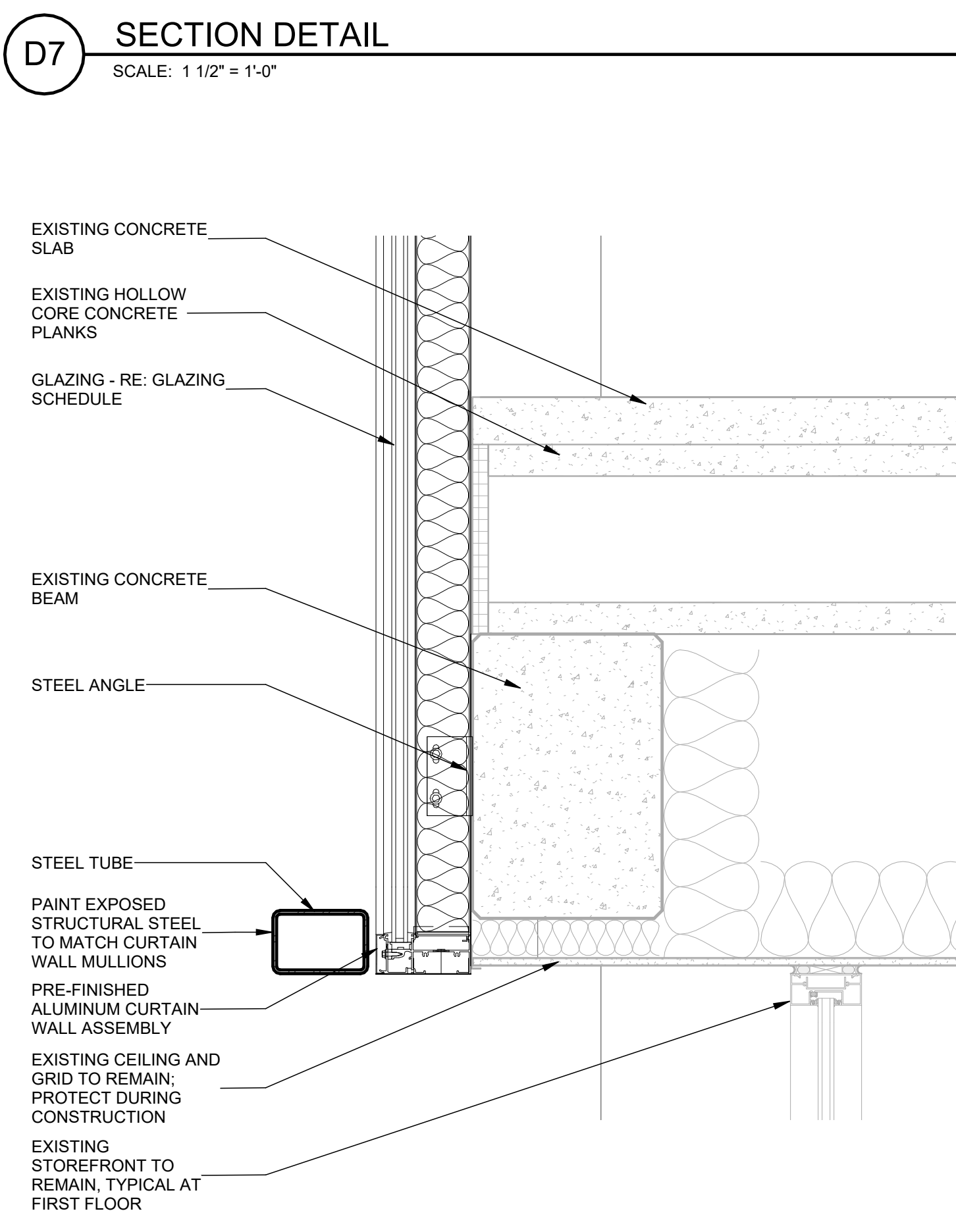
D10 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



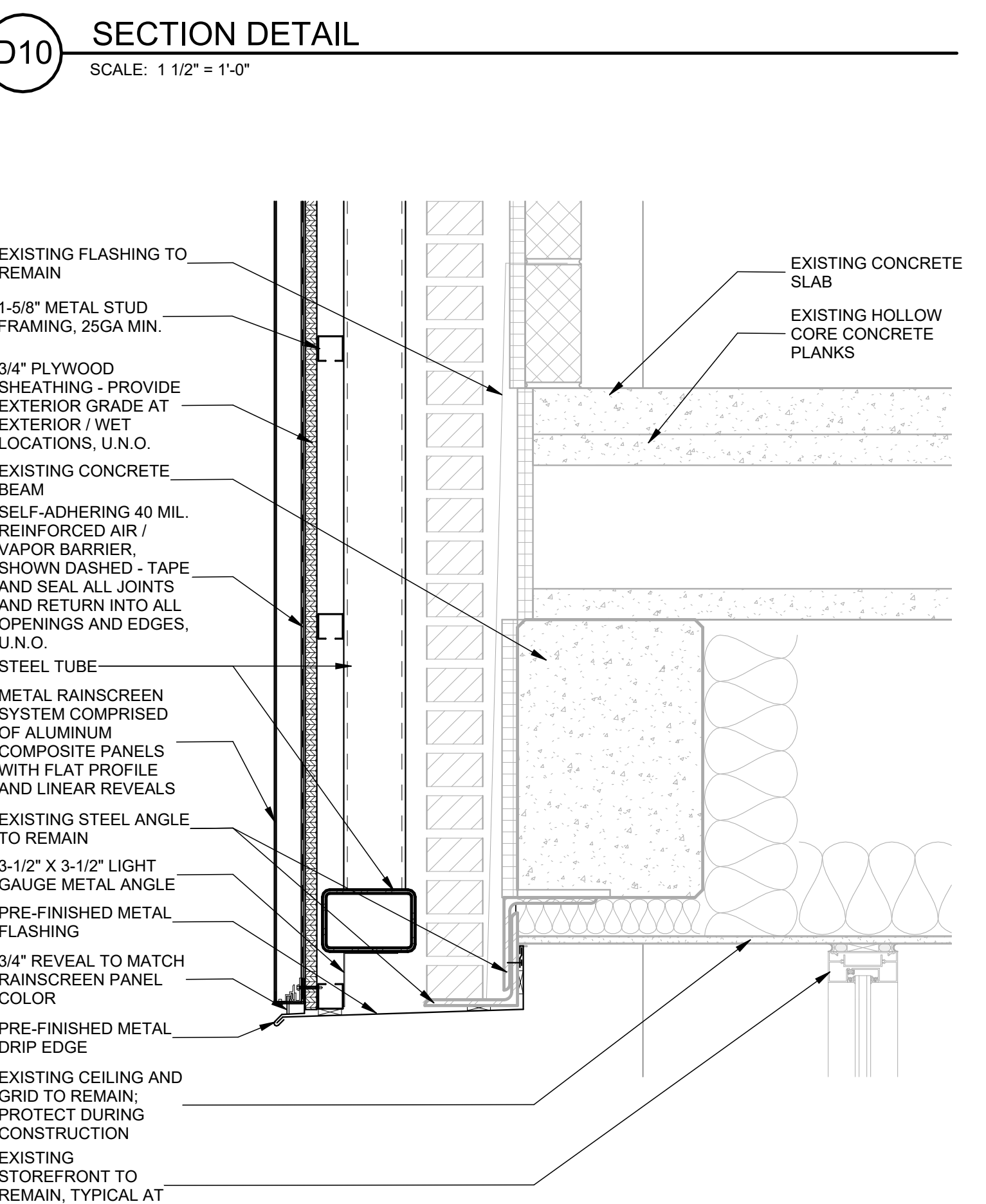
A1 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



A4 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"

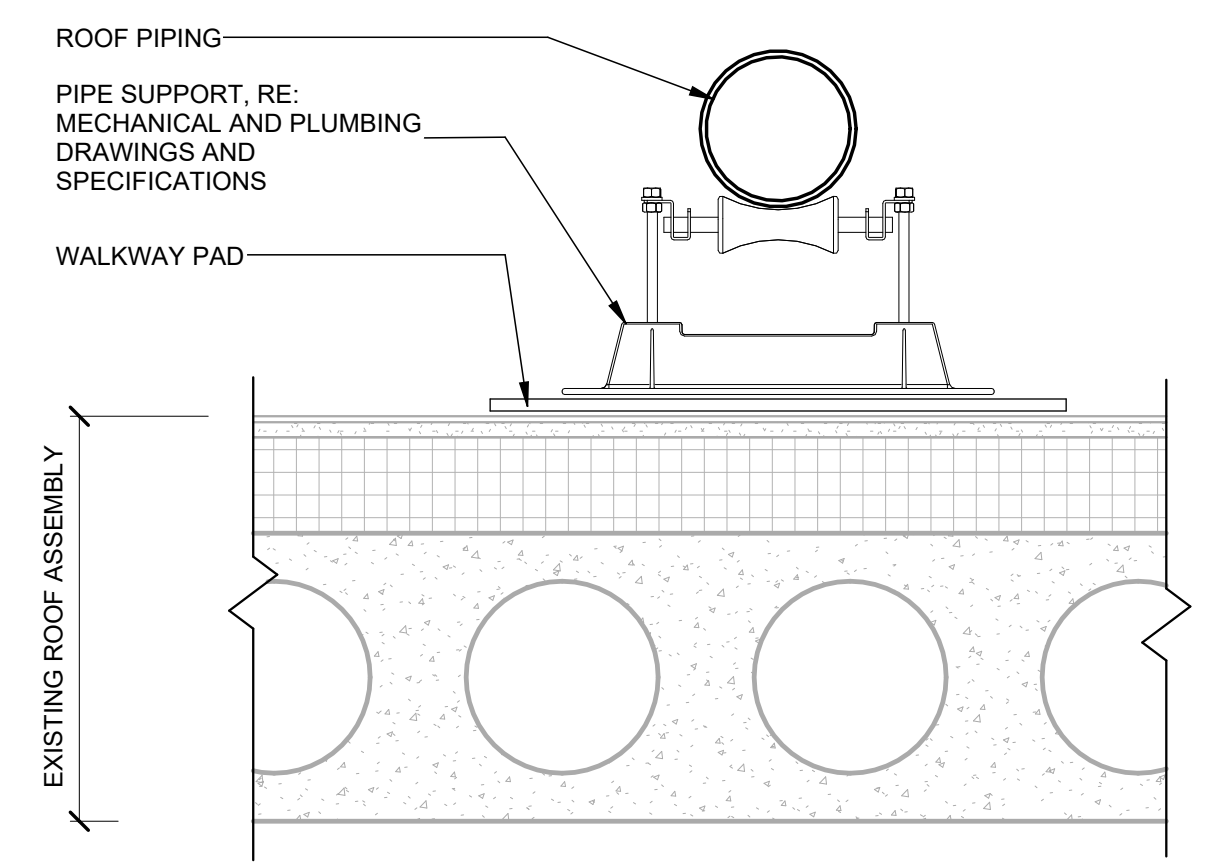


A7 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"

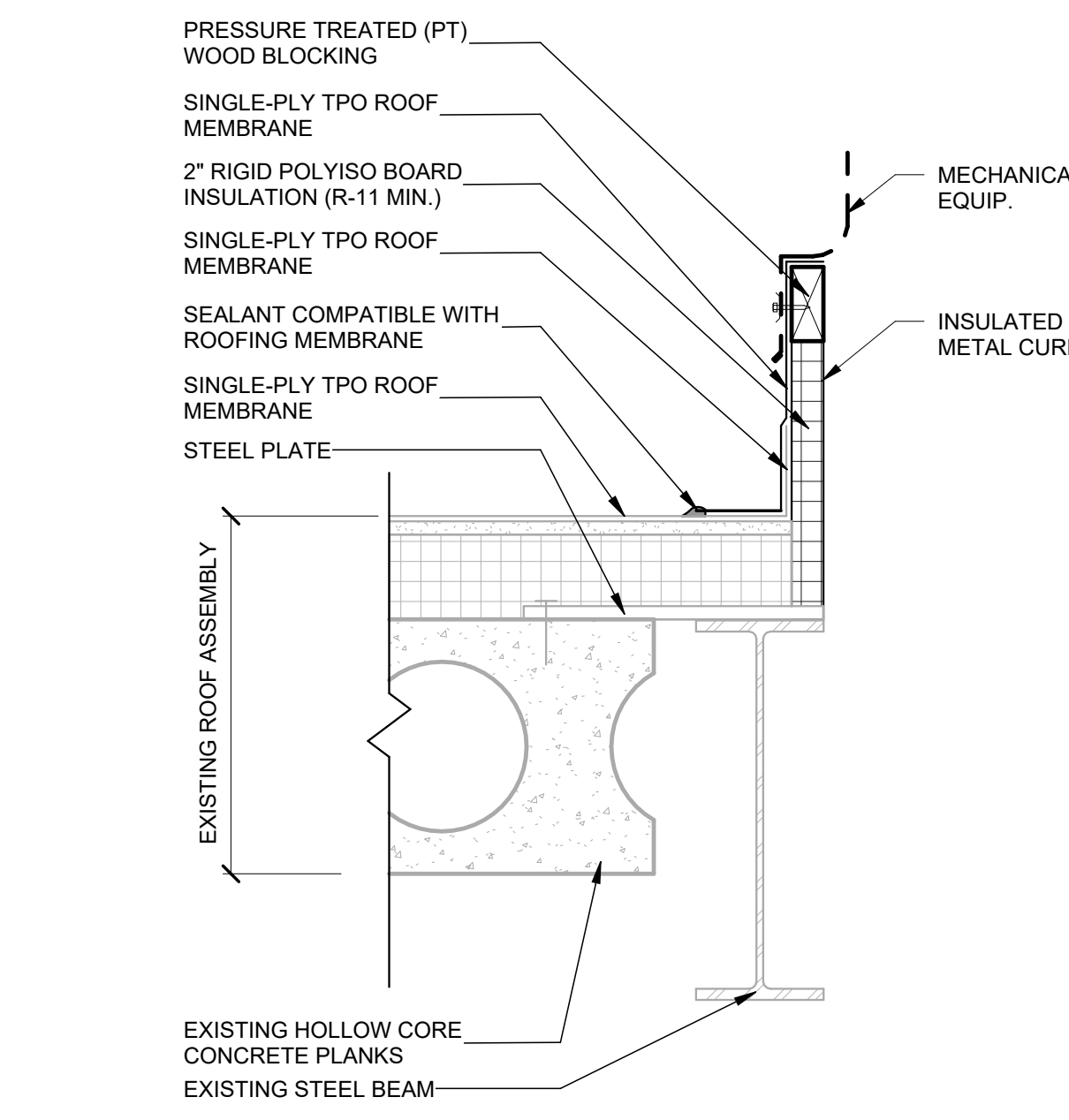


A10 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"

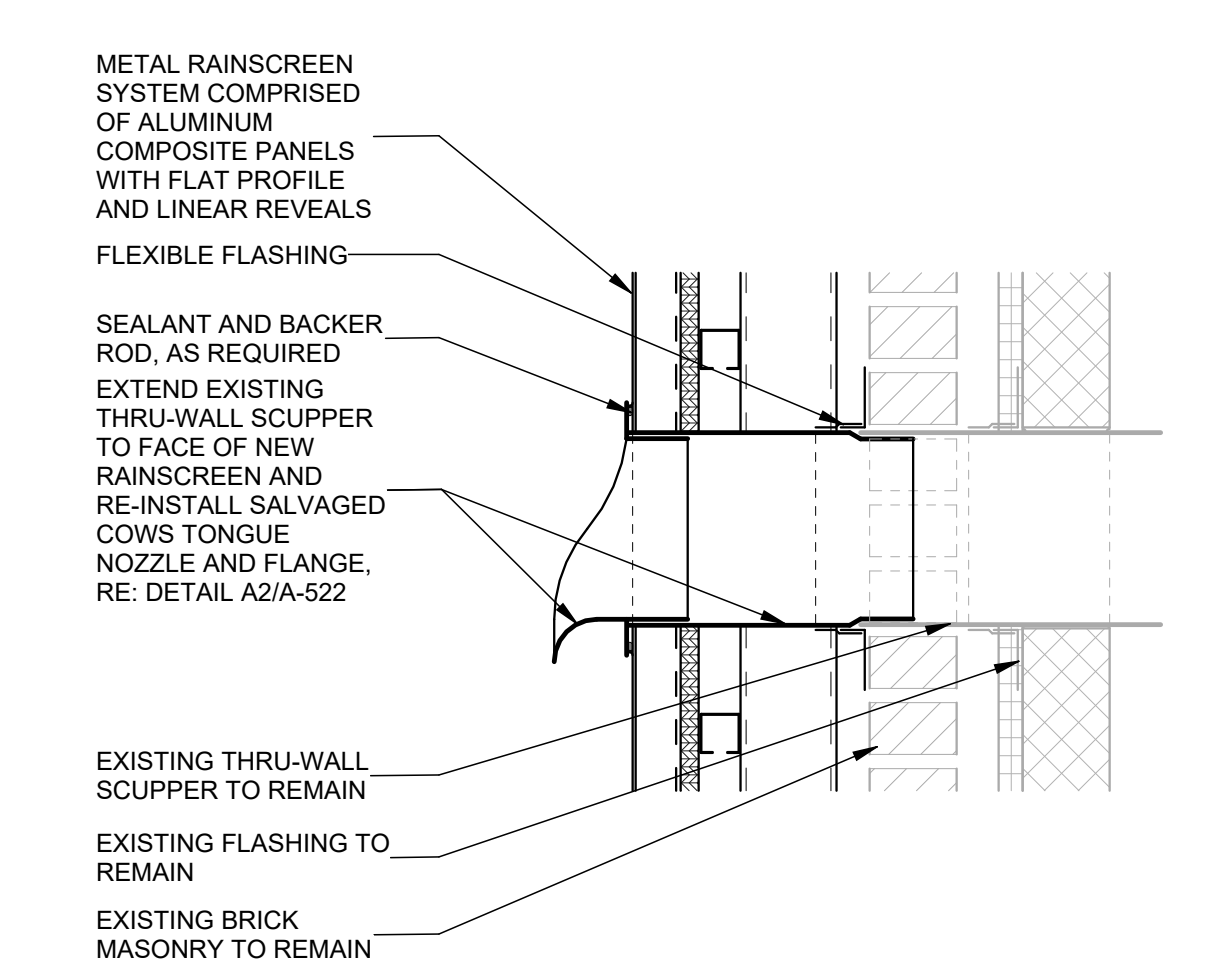
				ARCHITECTURE DESIGN LLC INTERIORS SUSTAINABILITY PLANNING ENGINEERING	
PROJECT NO.: 25201 DRAWN BY: J. SWENEY CHECKED BY: J. FELDMAN DESIGNED BY: J. CREWS DATE: 03/13/2023		PROJECT NO.: 25201 DRAWN BY: J. SWENEY CHECKED BY: J. FELDMAN DESIGNED BY: J. CREWS DATE: 03/13/2023		PROJECT NO.: 25201 DRAWN BY: J. SWENEY CHECKED BY: J. FELDMAN DESIGNED BY: J. CREWS DATE: 03/13/2023	
CLARK STATE COLLEGE RHODES HALL RENOVATIONS PHASE 4 570 LEFFEL LANE SPRINGFIELD, OH 45505		CLARK STATE COLLEGE RHODES HALL RENOVATIONS PHASE 4 570 LEFFEL LANE SPRINGFIELD, OH 45505		CLARK STATE COLLEGE RHODES HALL RENOVATIONS PHASE 4 570 LEFFEL LANE SPRINGFIELD, OH 45505	
SHEET IDENTIFICATION A-521		SHEET IDENTIFICATION A-521		SHEET IDENTIFICATION A-521	



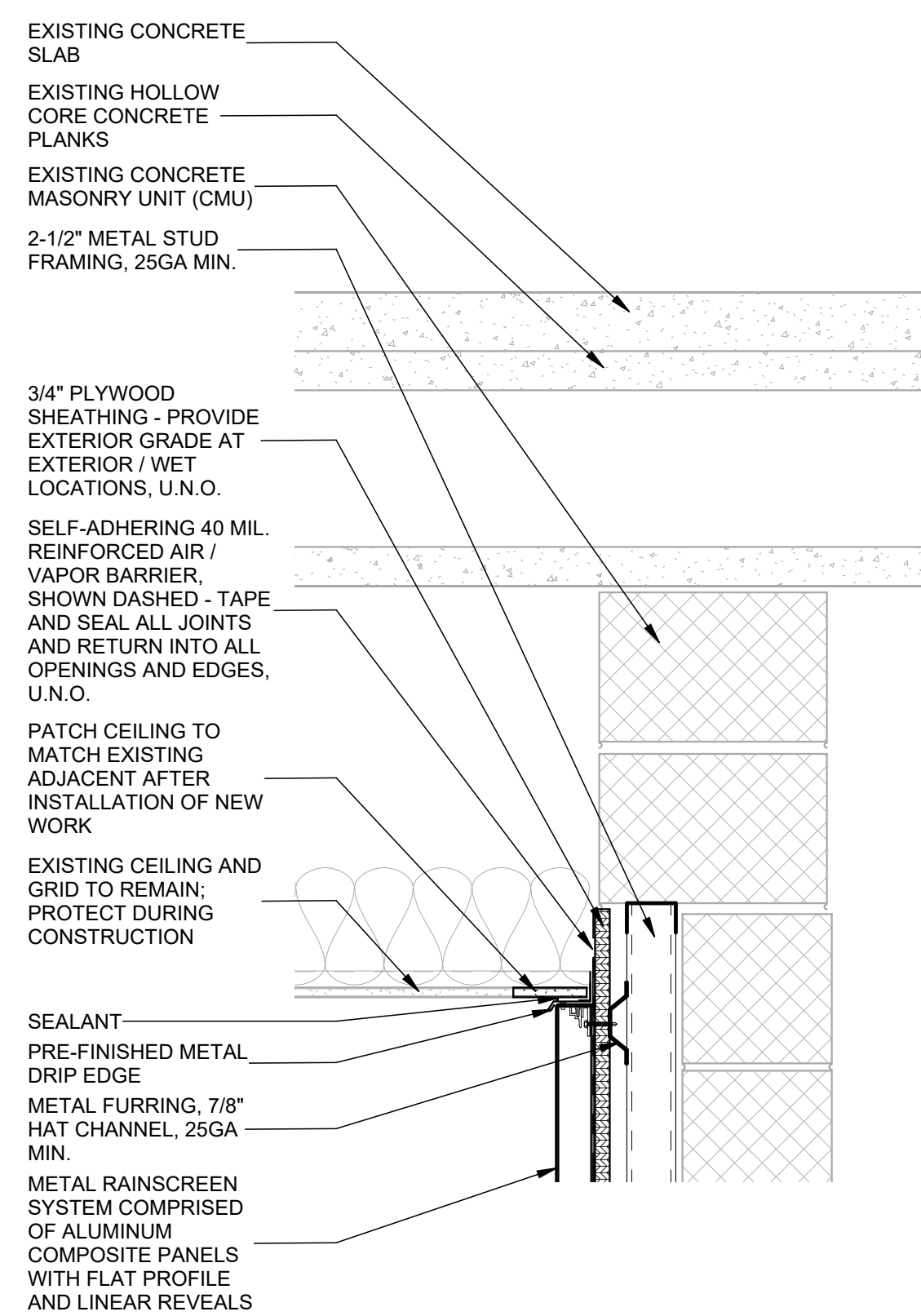
E2 TYPICAL DETAIL
SCALE: 1 1/2" = 1'-0"



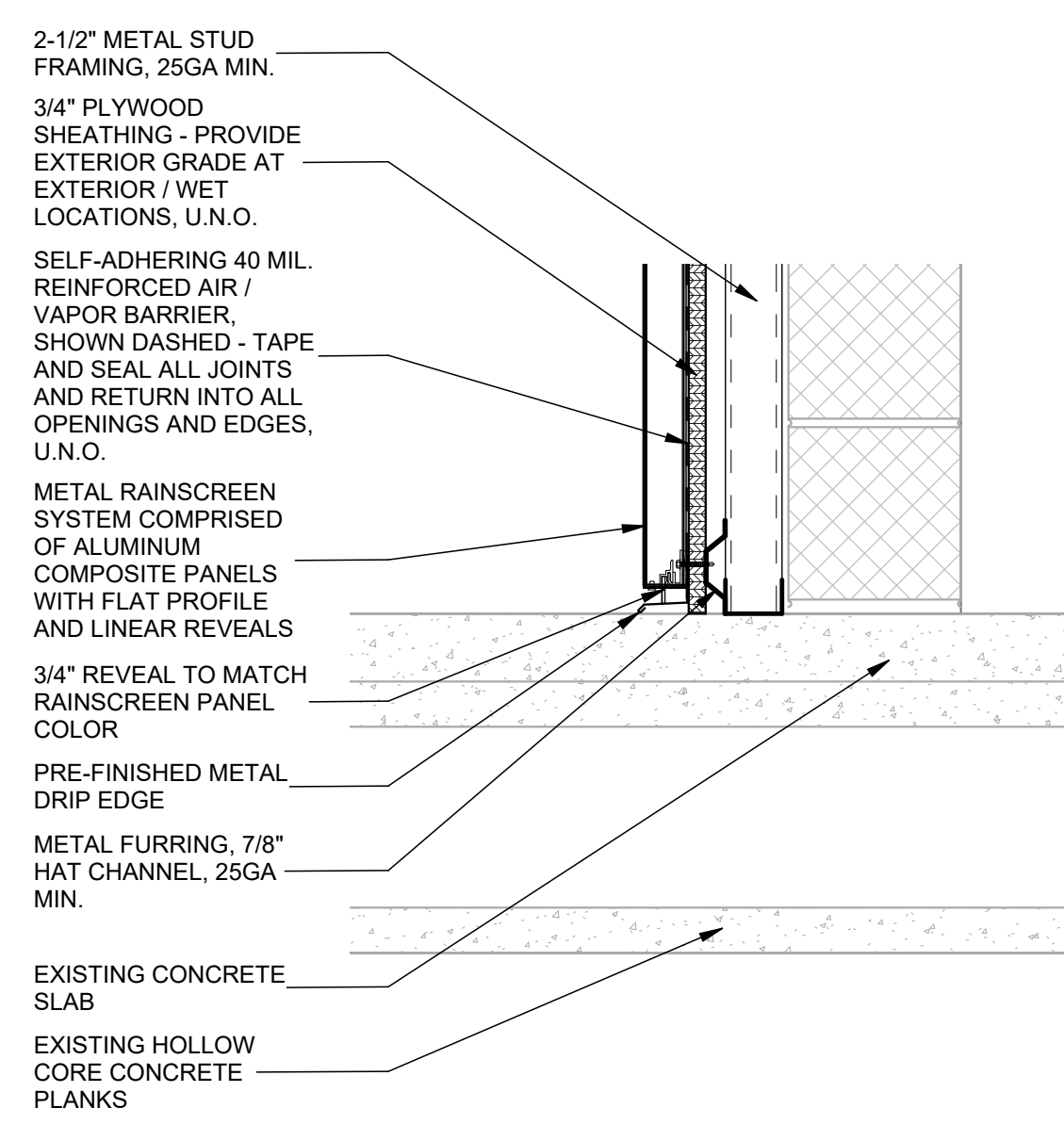
C2 TYPICAL DETAIL
SCALE: 1 1/2" = 1'-0"



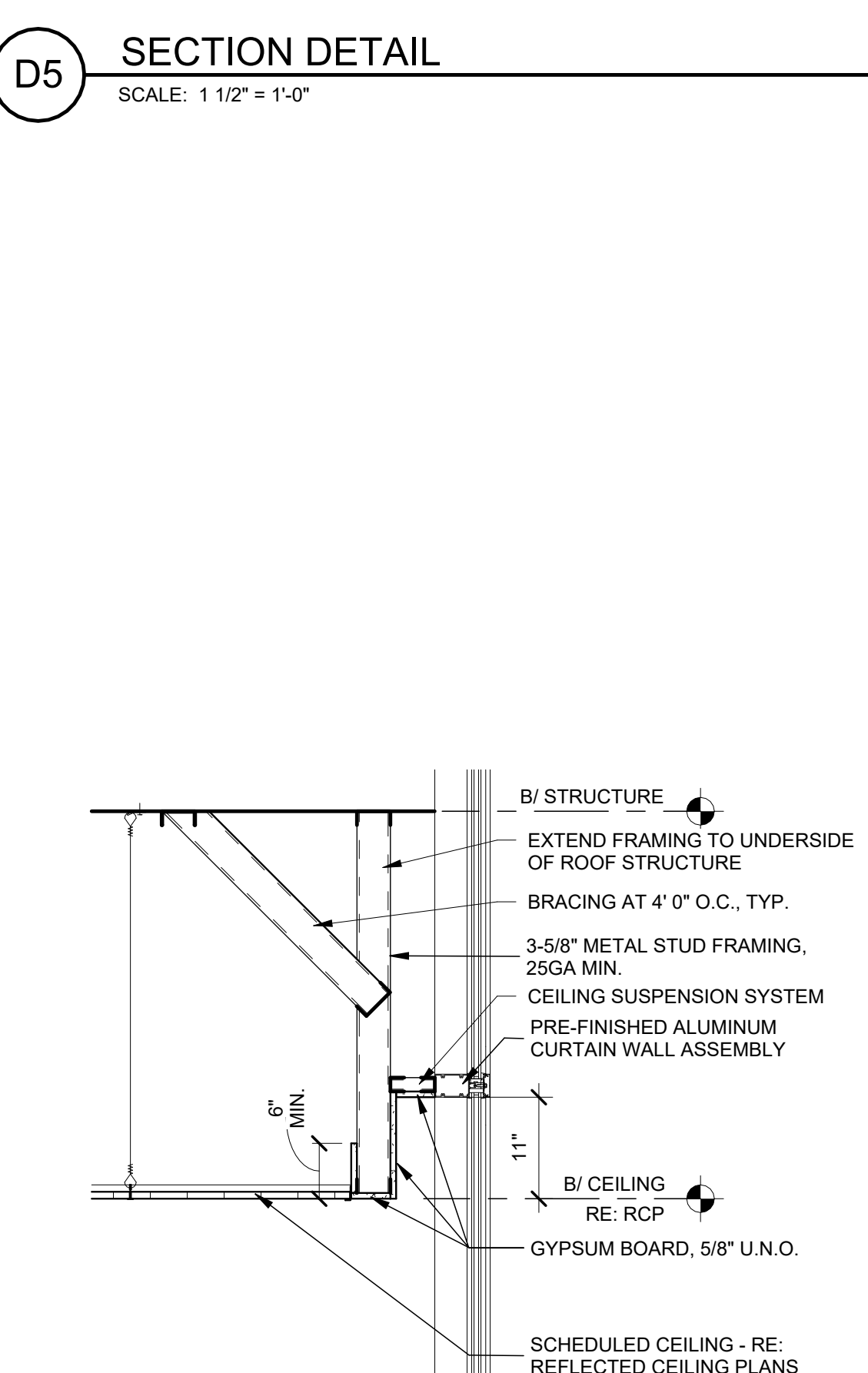
A2 TYPICAL DETAIL AT THRU WALL SCUPPER
SCALE: 1 1/2" = 1'-0"



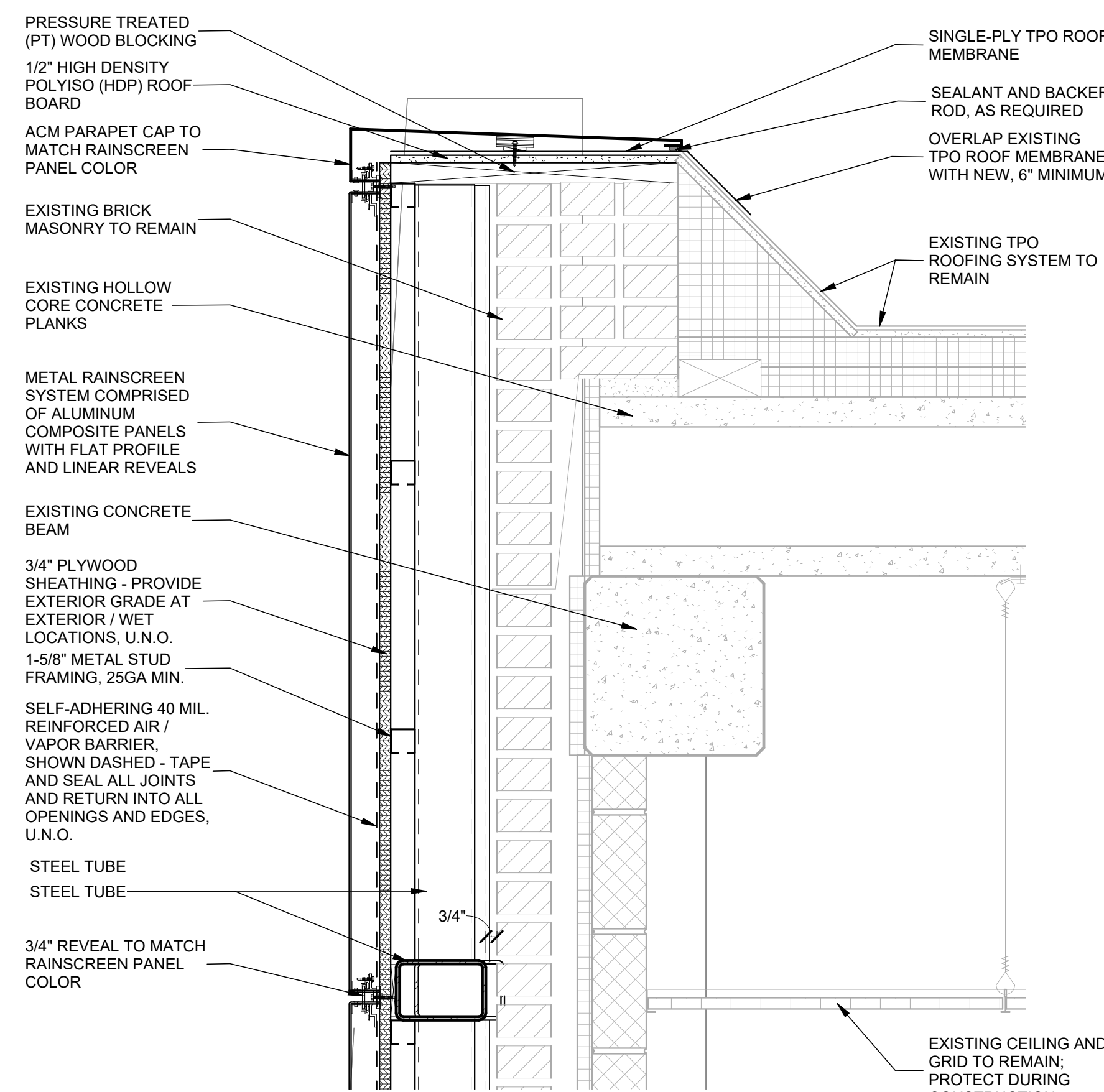
F5 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



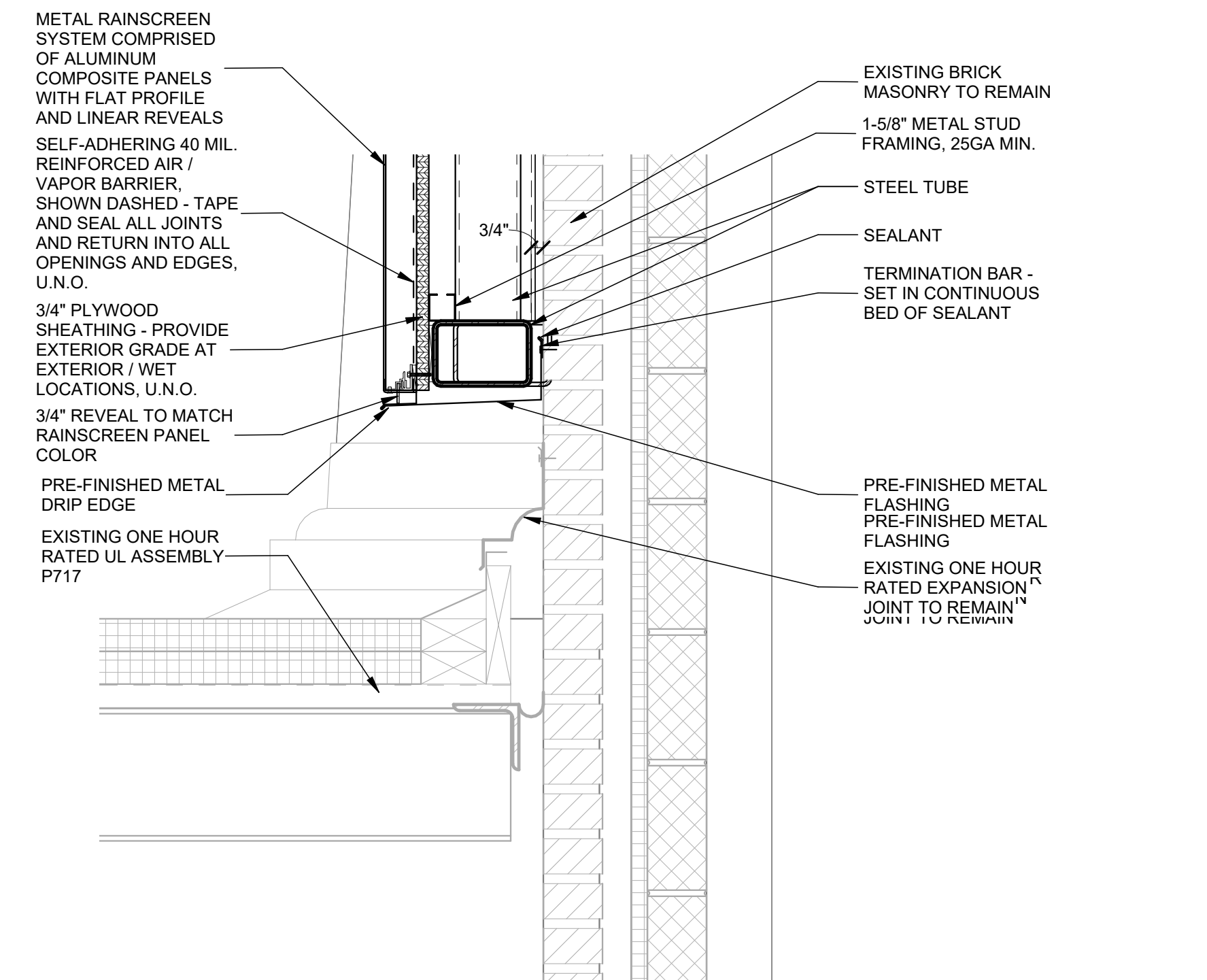
D5 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



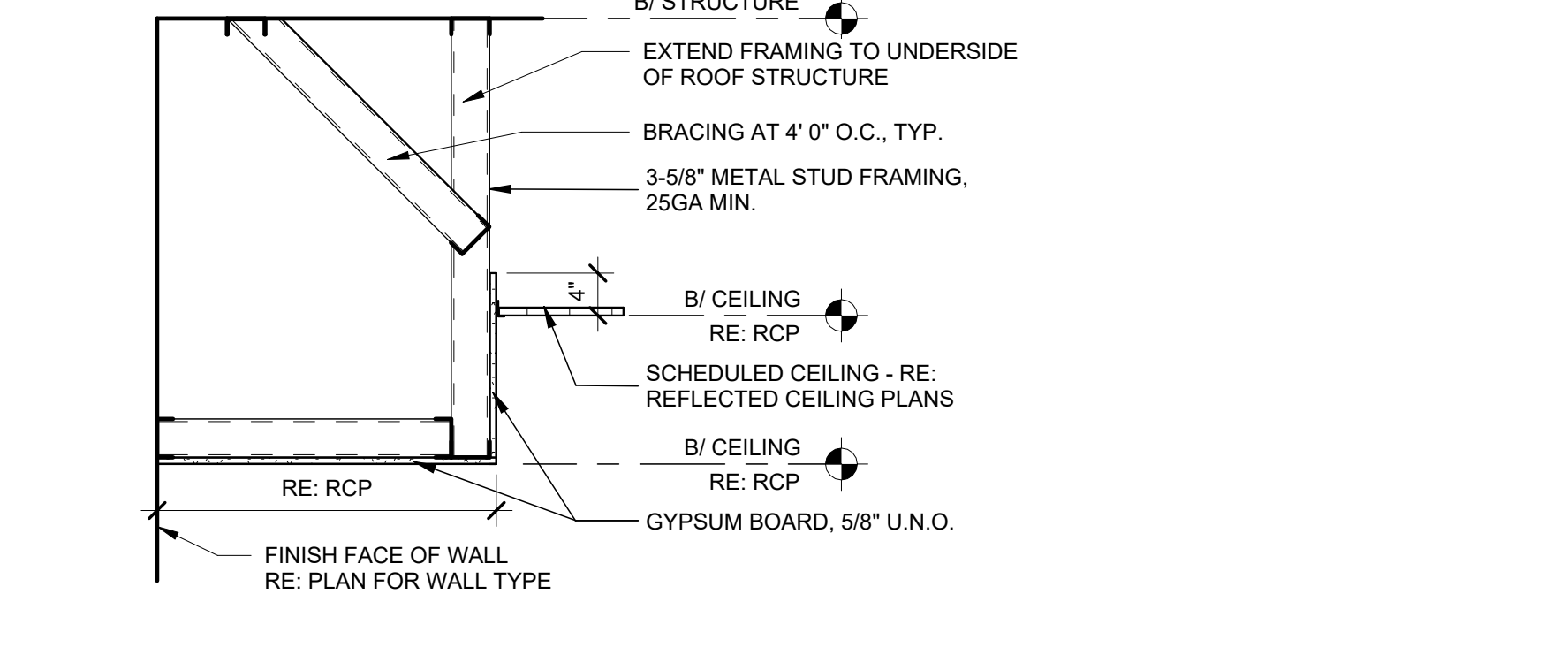
A4 CEILING DETAIL
SCALE: 3/4" = 1'-0"



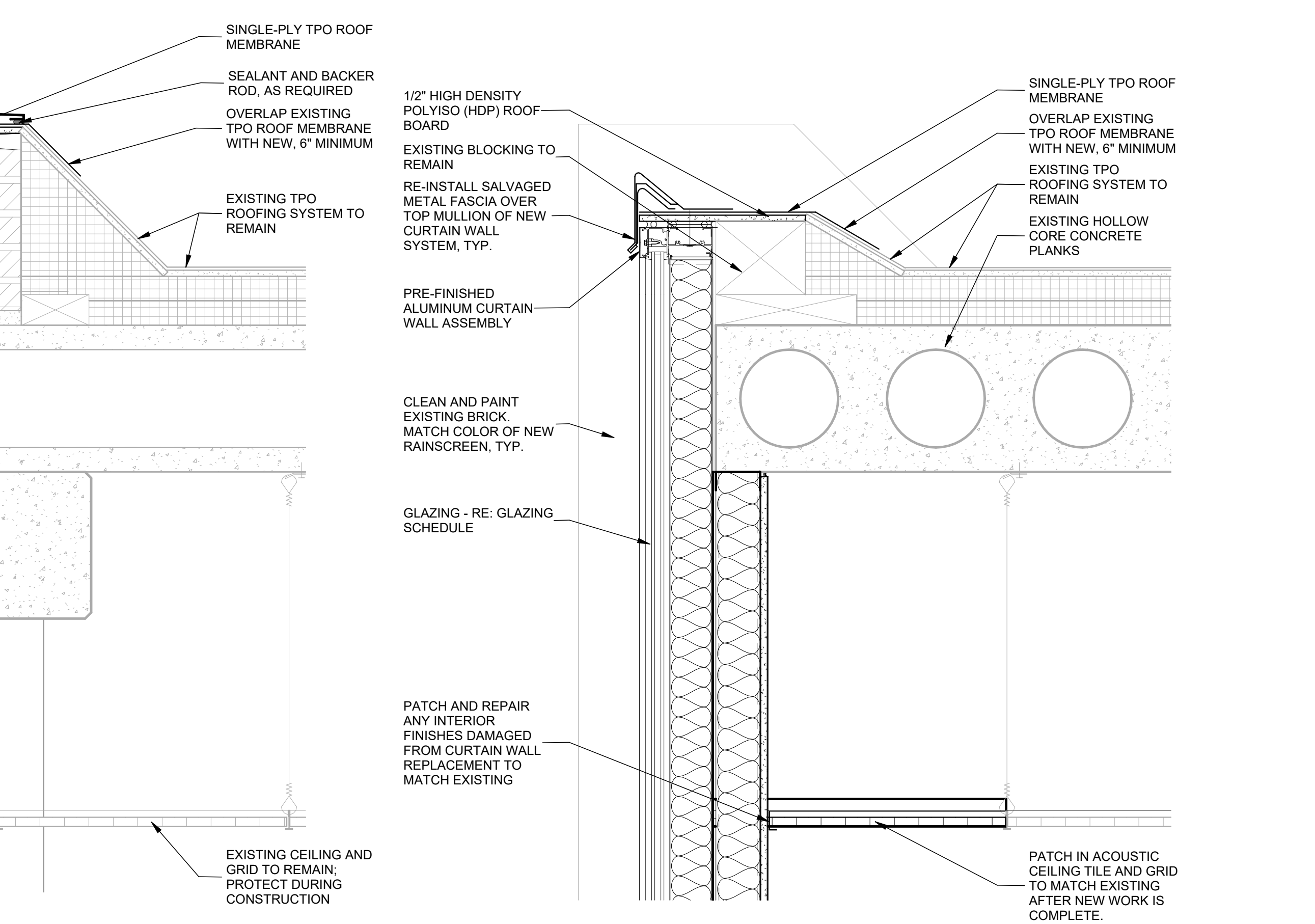
F7 SECTION DETAIL - ALTERNATE 1
SCALE: 1 1/2" = 1'-0"



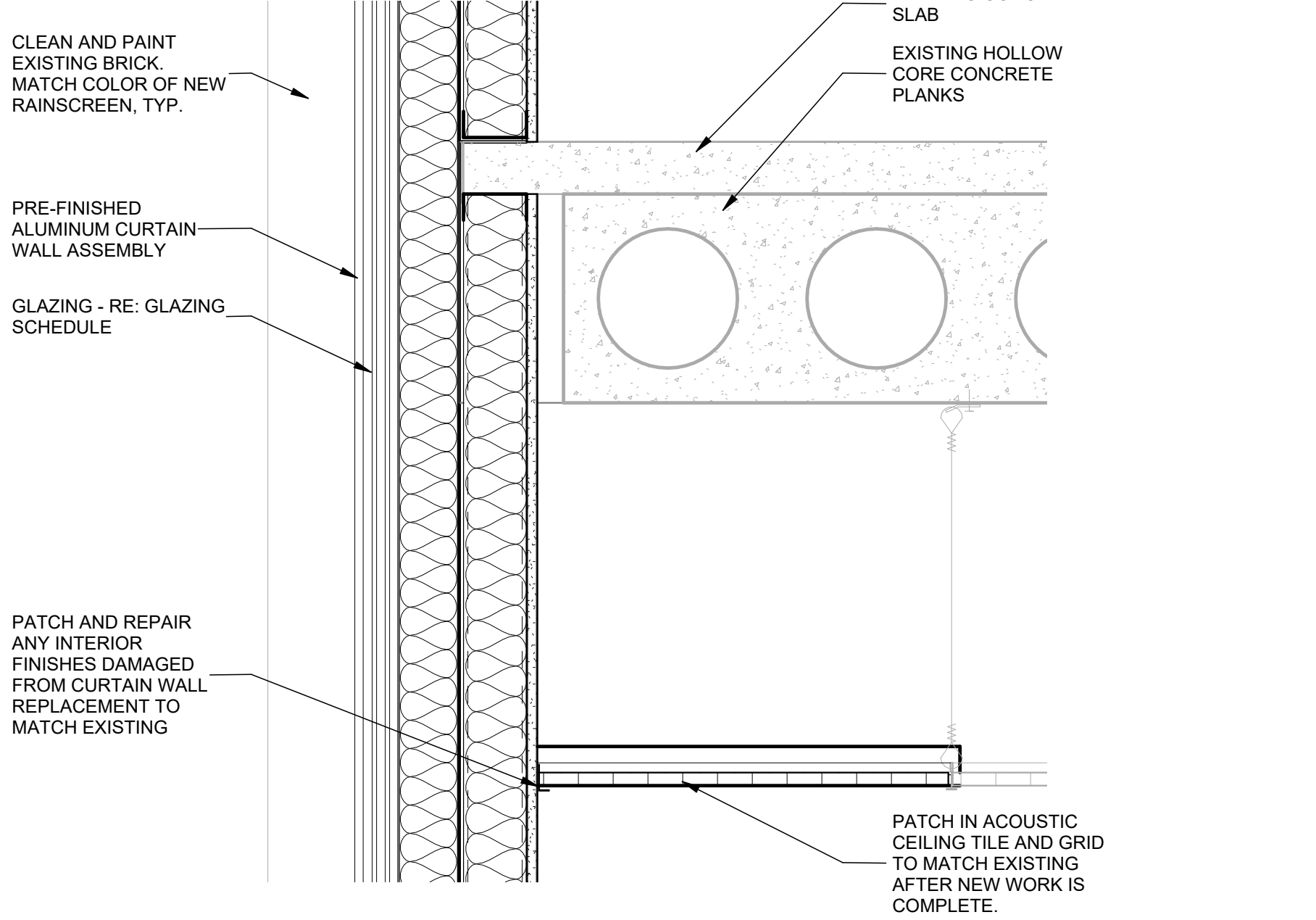
C7 SECTION DETAIL - ALTERNATE 1
SCALE: 1 1/2" = 1'-0"



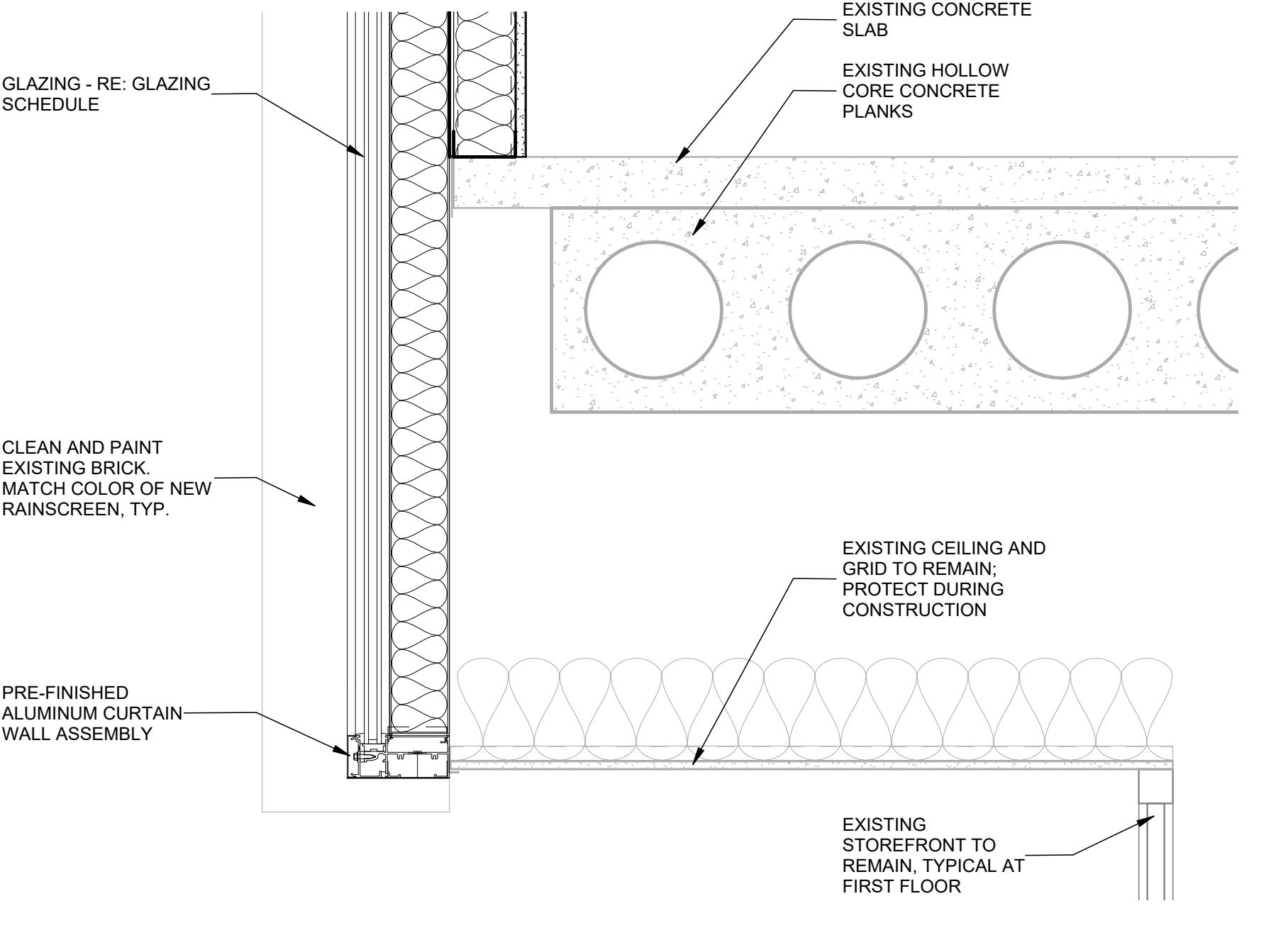
A7 CEILING DETAIL
SCALE: 3/4" = 1'-0"



F10 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"

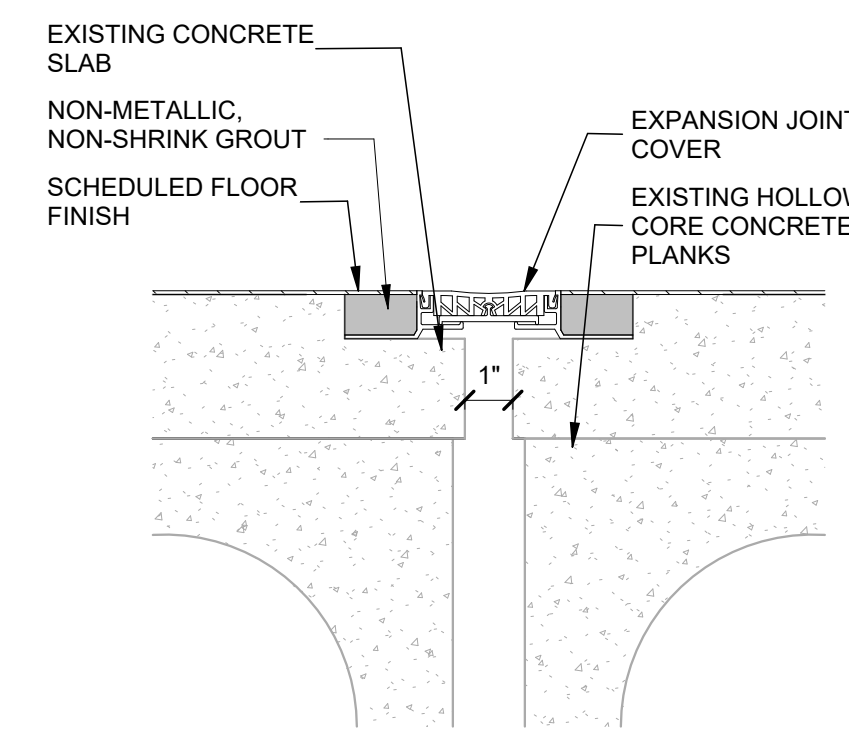


D10 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



A10 SECTION DETAIL
SCALE: 1 1/2" = 1'-0"

A1 EXPANSION JOINT DETAIL
SCALE: 3" = 1'-0"



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ide
CMTA
schaefer

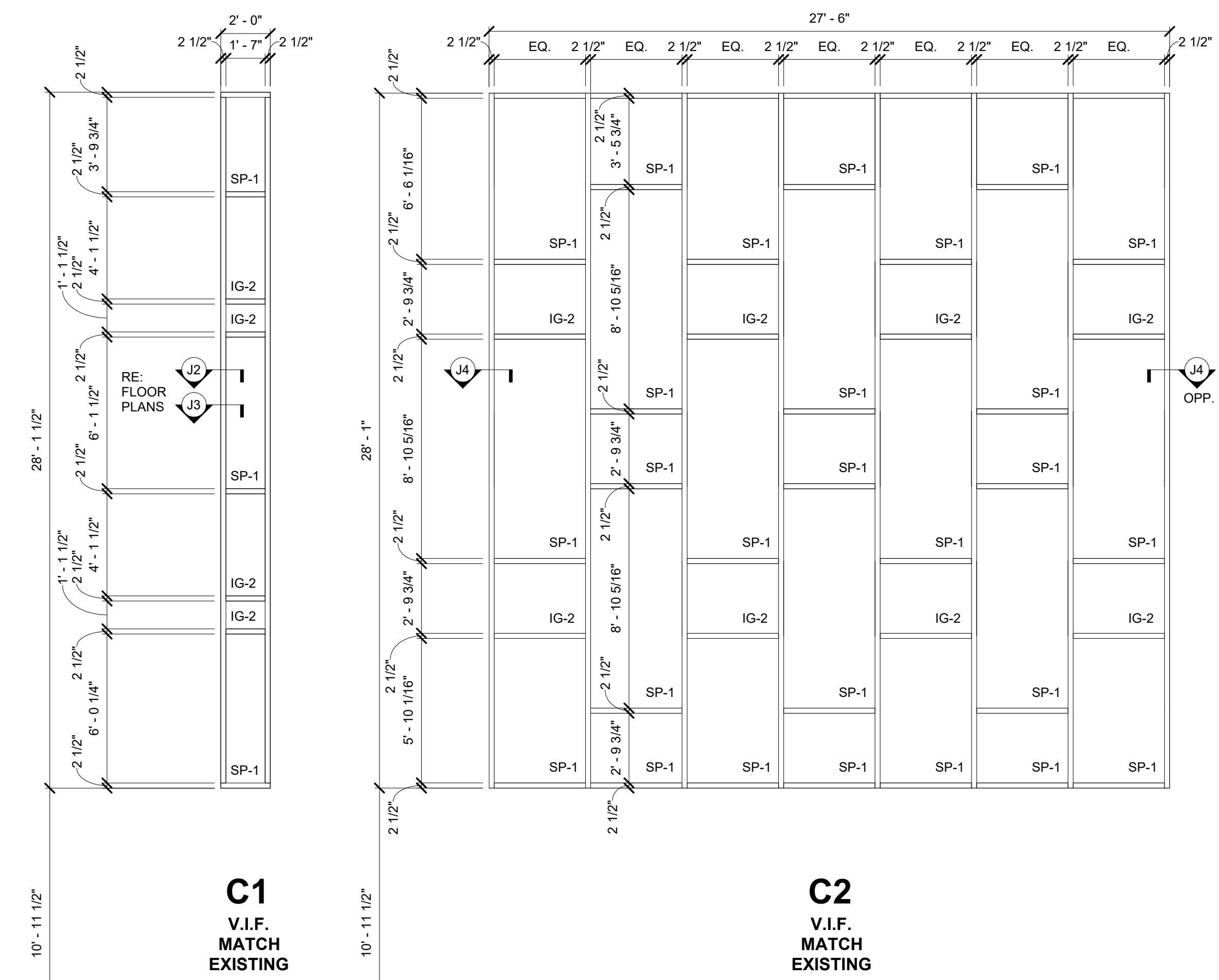
EMERSON DESIGN
ARCHITECTURE INTERIORS SUSTAINABILITY PLANNING ENGINEERING
emersondesign.com
310 Culvert Street, Suite 188
Cincinnati, Ohio 45202
513.841.9389

DESIGNED BY:	J. CREWS	DATE:	03/13/2023
CHECKED BY:	J. FELDMAN	PROJECT NO.:	25201
DRAWN BY:	S. SIMBALL	MANAGER:	
SHEET SIZE:	30x42	PLT SCALE:	As indicated
FILE NAME:			

CLARK STATE COLLEGE RHODES HALL RENOVATIONS
PHASE 4
570 LEFFEL LANE
SPRINGFIELD, OH 45505
SECTION DETAILS

CHRISTINA WILLIS
REGISTERED ARCHITECT
03/13/2023

SHEET IDENTIFICATION
A-522



CURTAIN WALL TYPES
SCALE: 1/4" = 1'-0"

MARK	DOOR TYPE	NUMBER OF PANELS	DOORS			FRAME		DETAILS			FIRE RATING	HARDWARE	COMMENTS			
			WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	HEAD	AMB	SILL						
231	N	2	5'-0"	7'-0"	1 3/4"	WD	ST	EXIST	F2	HM	PT	EXIST	EXIST	-	-	R1, R2, R3
312	N	1	3'-0"	7'-0"	1 3/4"	WD	ST	EXIST	F1	HM	PT	EXIST	EXIST	-	-	R1, R2, R3
312A	N	1	3'-0"	7'-0"	1 3/4"	WD	ST	EXIST	F2	HM	PT	EXIST	EXIST	-	-	R1, R2, R3
314A	N	1	3'-0"	7'-0"	1 3/4"	WD	ST	EXIST	F2	HM	PT	EXIST	EXIST	-	-	R1, R2, R3
314B	N	1	3'-0"	7'-0"	1 3/4"	WD	ST	EXIST	F2	HM	PT	EXIST	EXIST	-	-	R1, R2, R3
314C	N	1	3'-0"	7'-0"	1 3/4"	WD	ST	EXIST	F2	HM	PT	H1	J1	-	02	R4, R5
316A	N	1	3'-0"	7'-0"	1 3/4"	WD	ST	EXIST	F2	HM	PT	H1	J1	-	03	R4, R5
316B	N	1	3'-0"	7'-0"	1 3/4"	WD	ST	EXIST	F2	HM	PT	EXIST	EXIST	-	-	R1, R2, R3
316C	N	1	3'-0"	7'-0"	1 3/4"	WD	ST	EXIST	F2	HM	PT	EXIST	EXIST	-	-	R1, R2, R3

GLASS TYPES

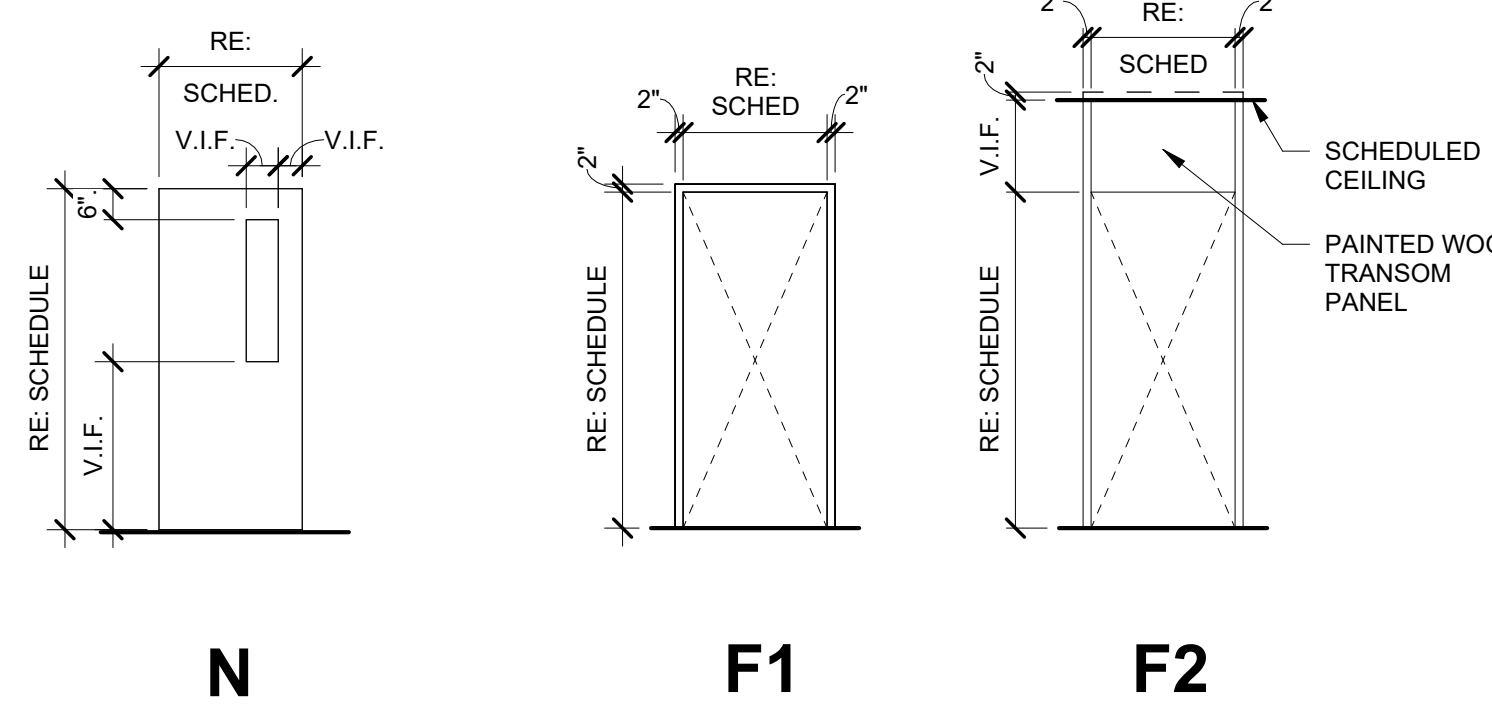
- IG-1 HEAT-STRENGTHENED INSULATING GLASS UNIT
- IG-2 TEMPERED INSULATING GLASS UNIT
- SP-1 TEMPERED INSULATING SPANDREL GLASS UNIT

DOOR ABBREVIATIONS

- AL ALUMINUM
- AN ANODIZED
- HM HOLLOW METAL
- PT PAINT
- ST STAIN
- WD WOOD

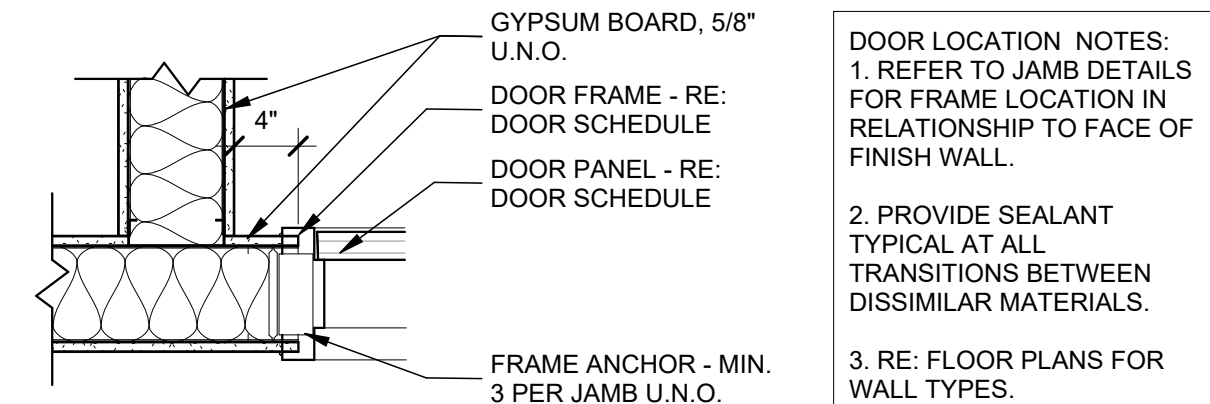
DOOR SCHEDULE REMARKS

- R1 VERIFY EXISTING DOOR TYPE, SIZE & FRAME
- R2 FRAME TO BE REPAINTED, RE: I-111
- R3 FINISH SCHEDULES FOR COLOR
- R4 EXISTING DOOR HARDWARE TO REMAIN
- R5 REUSE SALVAGED DOOR LEAF
- DOOR HARDWARE PROVIDED BY OWNER

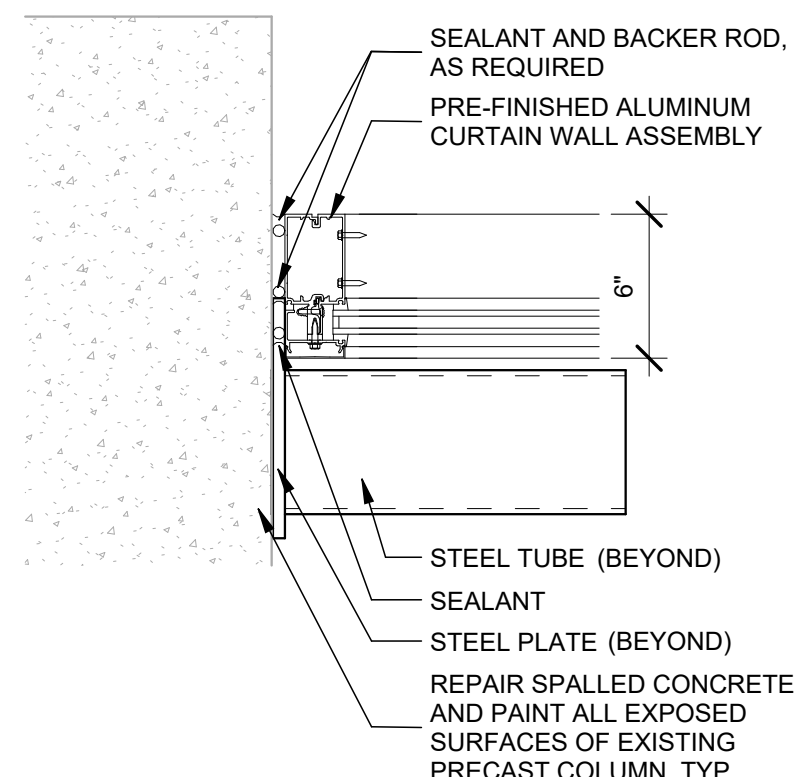


DOOR TYPES
SCALE: 1/4" = 1'-0"

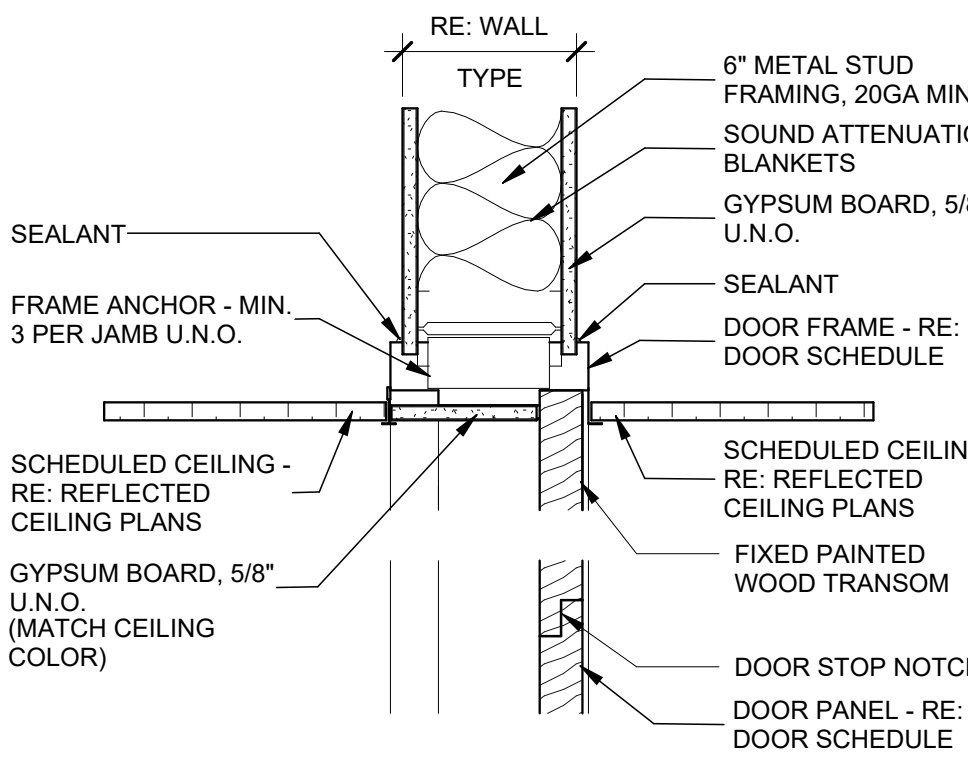
HM DOOR FRAME TYPES
SCALE: 1/4" = 1'-0"



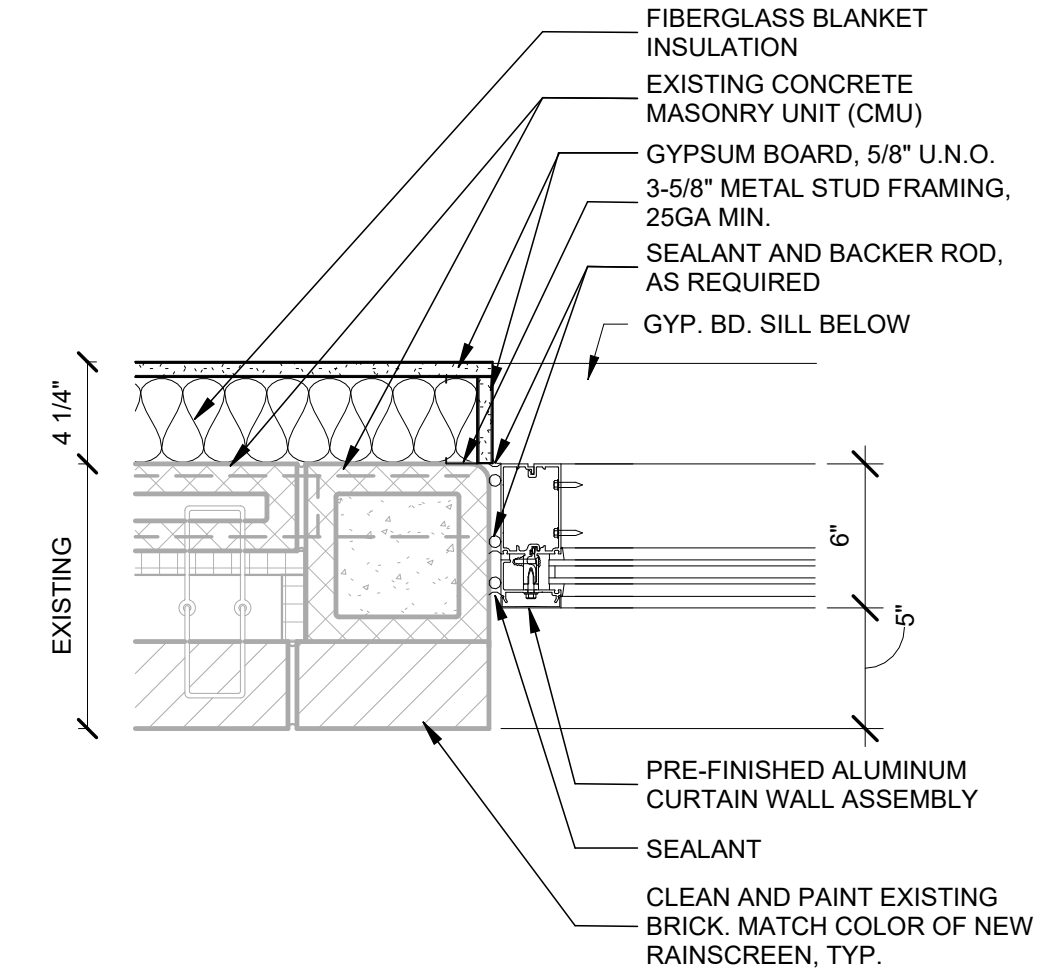
E10 TYPICAL DOOR PLAN DETAIL
SCALE: 1" = 1'-0"



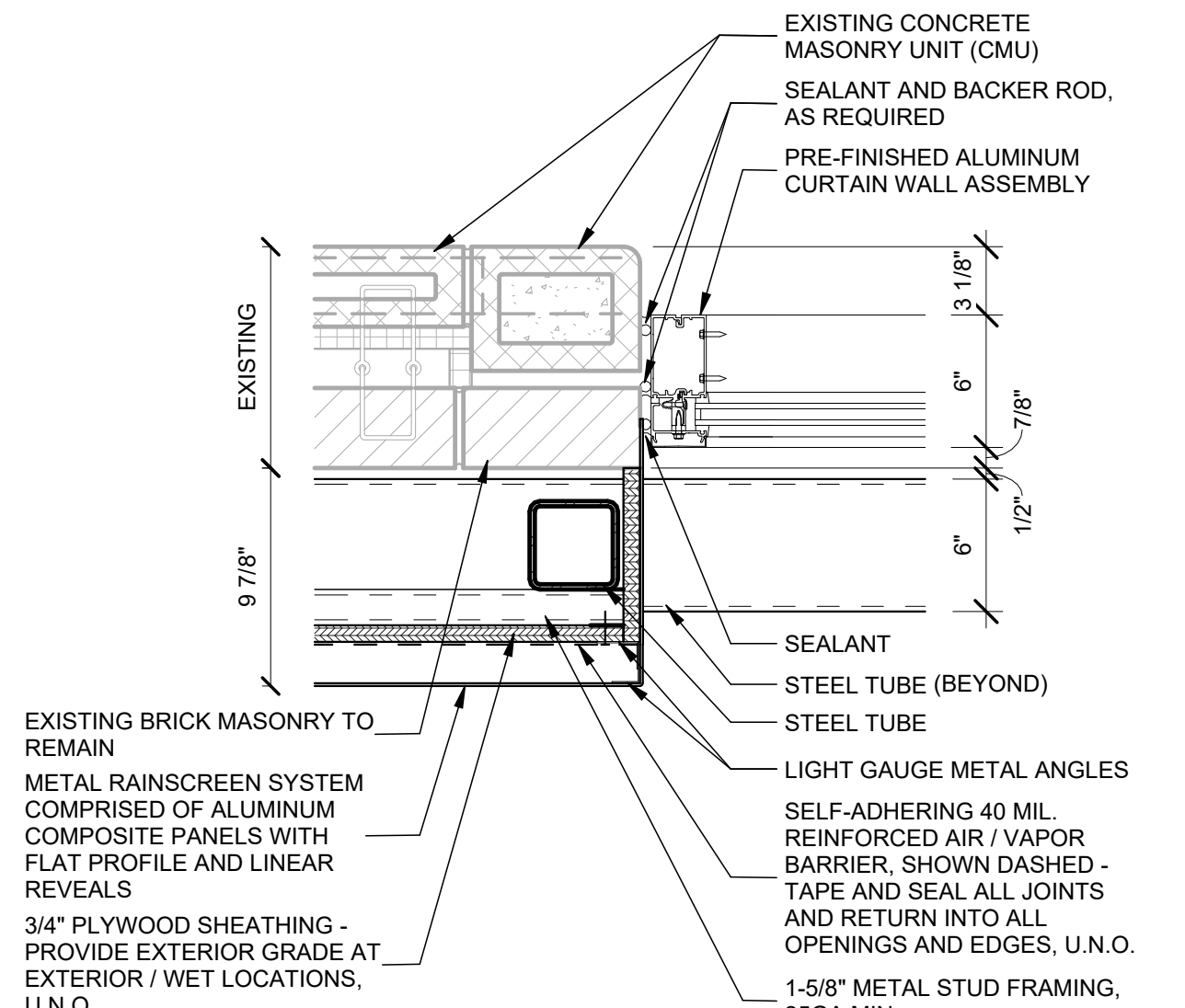
J3 JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



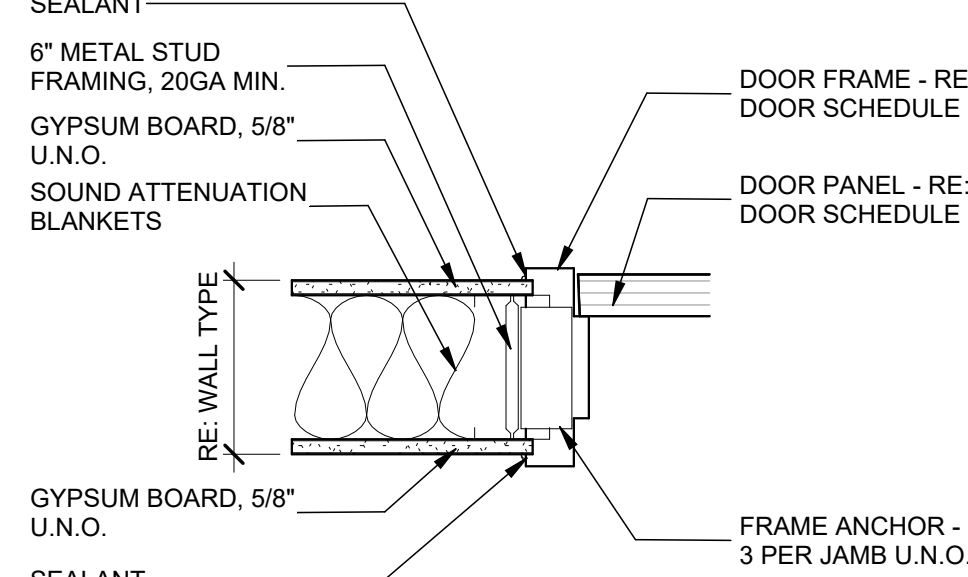
H1 HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



J4 JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



J2 JAMB DETAIL
SCALE: 1 1/2" = 1'-0"

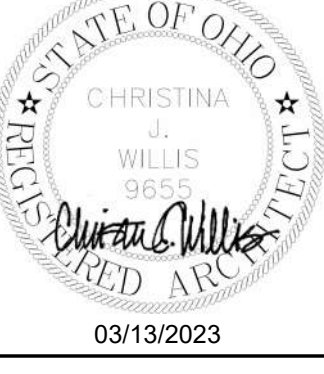


J1 JAMB DETAIL
SCALE: 1 1/2" = 1'-0"

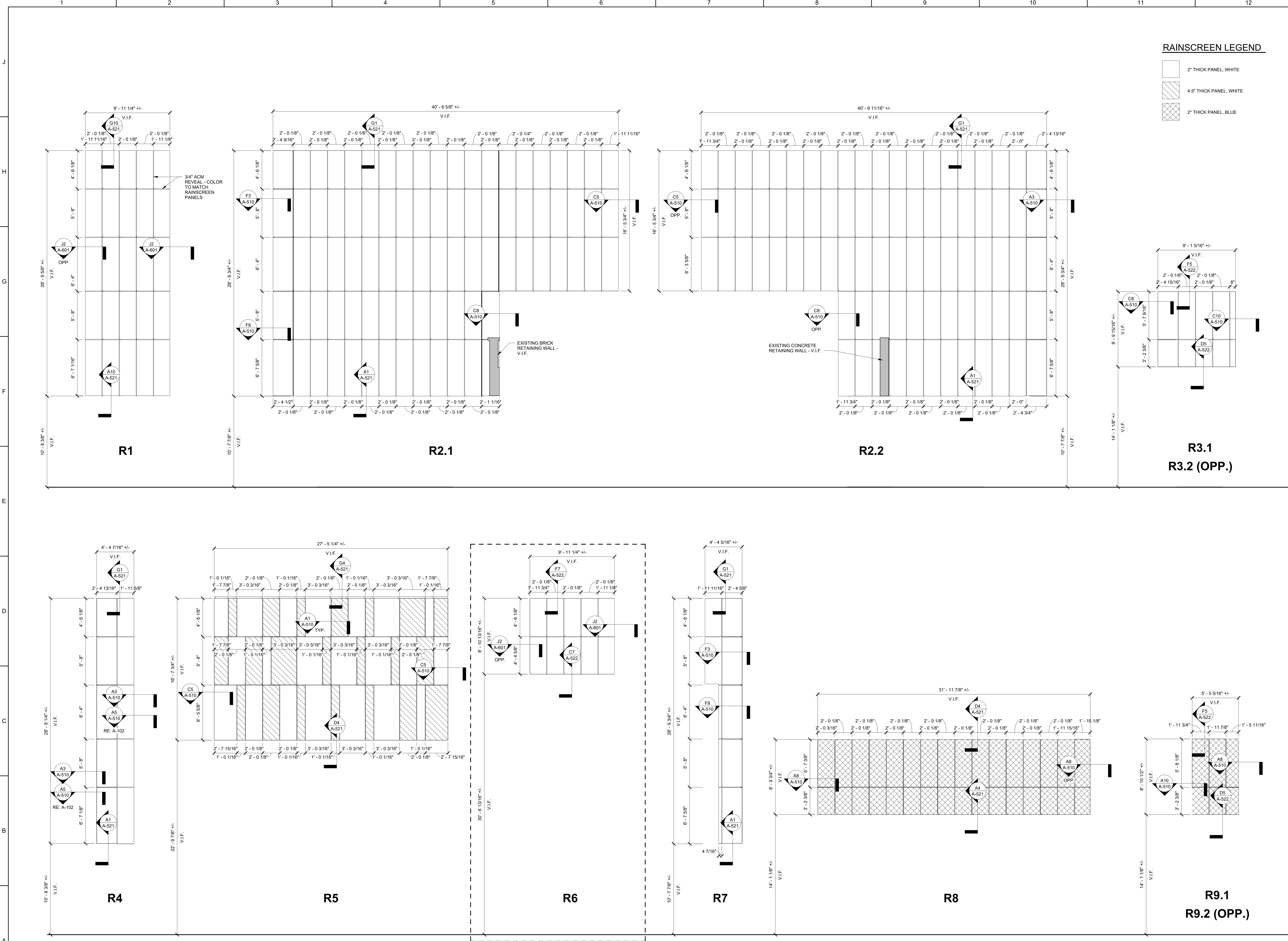
MARK	DESCRIPTION	DATE

DESIGNED BY: J. CRENS	CHECKED BY: J. SWENEY	DATE: 03/13/2023	PROJECT NO.: 202301
DRAWN BY: S. SMALL	PROJECT MANAGER: S. SMALL	PROJECT NAME: As indicated	SHEET NO.: 3042

CLARK STATE COLLEGE RHODES HALL RENOVATIONS
PHASE 4
570 LEFFEL LANE
SPRINGFIELD, OH 45505
DOOR SCHEDULE, CURTAIN WALL TYPES & OPENING DETAILS



03/13/2023
SHEET IDENTIFICATION



RAINSCREEN LEGEND

- 2" THICK PANEL, WHITE
- 4.5" THICK PANEL, WHITE
- 2" THICK PANEL, BLUE

RAINSCREEN ELEVATIONS

ALTERNATE 1

EMERSON DESIGN

ARCHITECTURE 310 Calvert Street Suite 188
INTERIORS Cincinnati, Ohio 45202
SUSTAINABILITY PLANNING 513 841 9389
ENGINEERING emersondesign.com

DATE: 03/13/2023

PROJECT NO.: 252501

CHECKED BY: J. SWENET

DRAWN BY: J. SWENET

MANAGER: S. HARRAL

SHEET SIZE: 30x42

FILE NAME:

CLARK STATE COLLEGE RHODES HALL RENOVATIONS
PHASE 4
570 LEFFEL LANE
SPRINGFIELD, OH 45505

RAINSCREEN ELEVATIONS

CHRISTINA WILLIS
3054
REGISTERED ARCHITECT

SHEET IDENTIFICATION

A-602

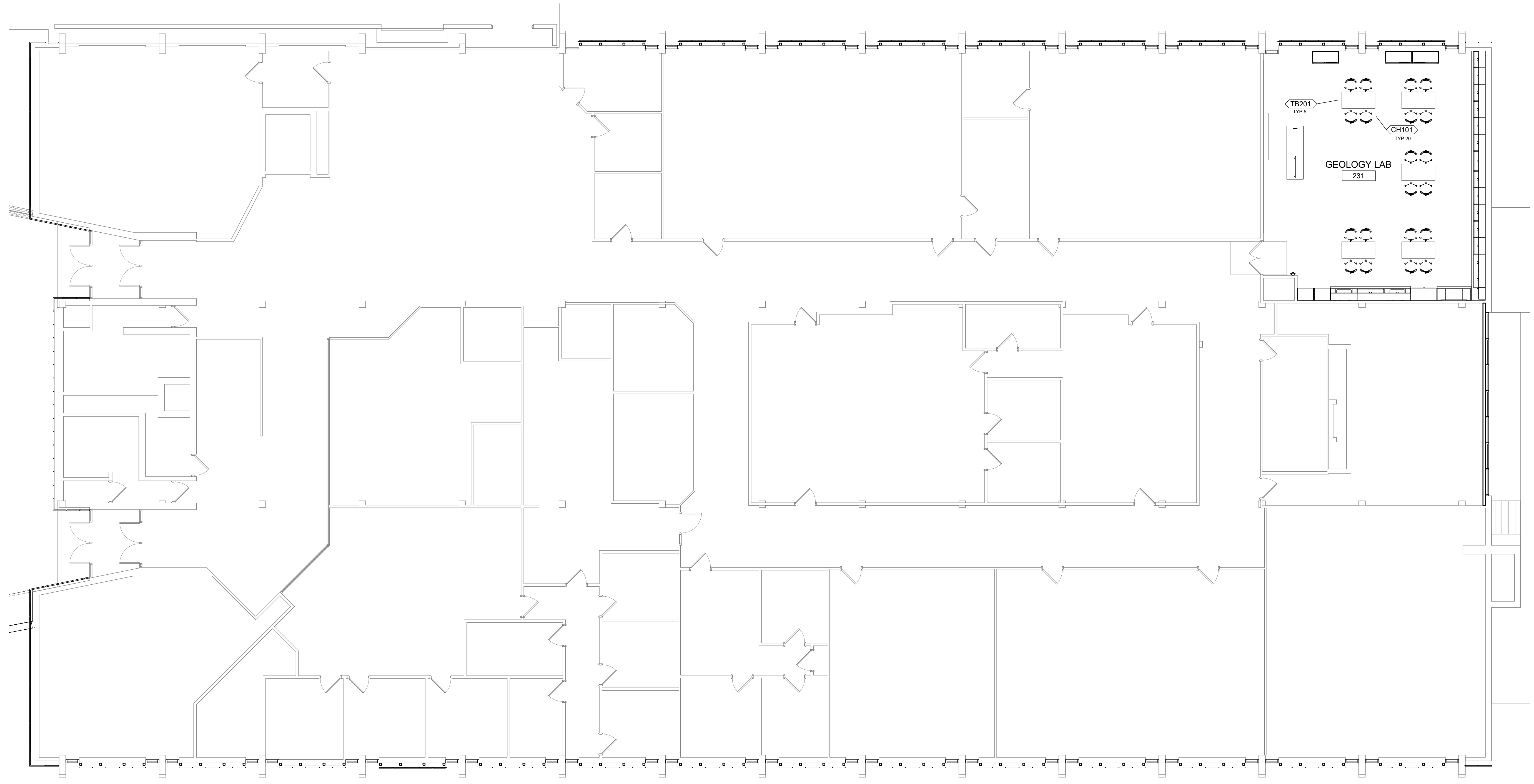
ISSUED FOR PERMIT/BID - MARCH 13, 2023

GENERAL FURNITURE NOTES

- 1. REFER TO ELECTRICAL/TELECOM PLANS AND REFLECTED CEILING PLANS POWER AND DATA LOCATIONS.
- 2. VENDOR RESPONSIBLE FOR ALL COMPONENTS, CORRECT SIZES, FINAL QUANTITIES, FURNITURE "FIT", ETC. TO PROVIDE COMPLETE USABLE, FUNCTIONING UNITS.
- 3. FURNITURE CONTRACTOR SHALL COORDINATE REQUIREMENTS WITH ELECTRICAL AND TELECOMMUNICATIONS CONTRACTORS PRIOR TO ORDERING FURNITURE.



EMERSON DESIGN
 ARCHITECTURE INTERIORS SUSTAINABILITY PLANNING ENGINEERING
 emerson design llc
 310 Culvert Street Suite 189
 Cincinnati, Ohio 45202
 513 841 5089
 emersondesign.com



A1 RHODES 200 LEVEL FURNITURE PLAN
 SCALE: 1/8" = 1'-0"

MARK	DESCRIPTION	DATE

DESIGNED BY: J. CRENS	CHECKED BY: J. SWENEY	DATE: 03/13/2023
DRAWN BY: A. GREEN	PROJECT MANAGER: S. KIMBALL	PROJECT NO.: 202201
SHEET SIZE: 30x42	PLLOT SCALE: As indicated	FILE NAME:

CLARK STATE COLLEGE RHODES HALL RENOVATIONS
 PHASE 4
 570 LEFFEL LANE
 SPRINGFIELD, OH 45505
 RHODES 200 LEVEL FURNITURE PLAN



SHEET IDENTIFICATION

I-101

GENERAL FURNITURE NOTES

1. REFER TO ELECTRICAL/TELECOM PLANS AND REFLECTED CEILING PLANS POWER AND DATA LOCATIONS.
2. VENDOR RESPONSIBLE FOR ALL COMPONENTS, CORRECT SIZES, FINAL QUANTITIES, FURNITURE "FIT", ETC. TO PROVIDE COMPLETE USABLE, FUNCTIONING UNITS.
3. FURNITURE CONTRACTOR SHALL COORDINATE REQUIREMENTS WITH ELECTRICAL AND TELECOMMUNICATIONS CONTRACTORS PRIOR TO ORDERING FURNITURE.

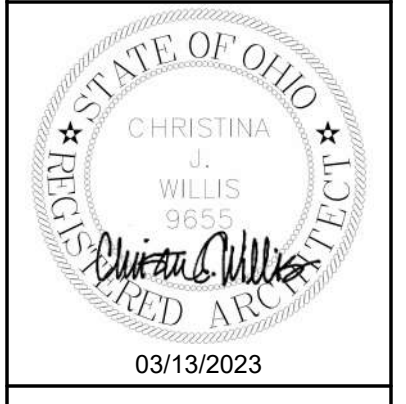


EMERSON DESIGN
 ARCHITECTURE INTERIORS SUSTAINABILITY PLANNING ENGINEERING
 emersondesign.com
 emerson DESIGN LLC
 310 Culvert Street Suite 100
 Cincinnati, Ohio 45202
 513 841 5089

MARK	DESCRIPTION	DATE

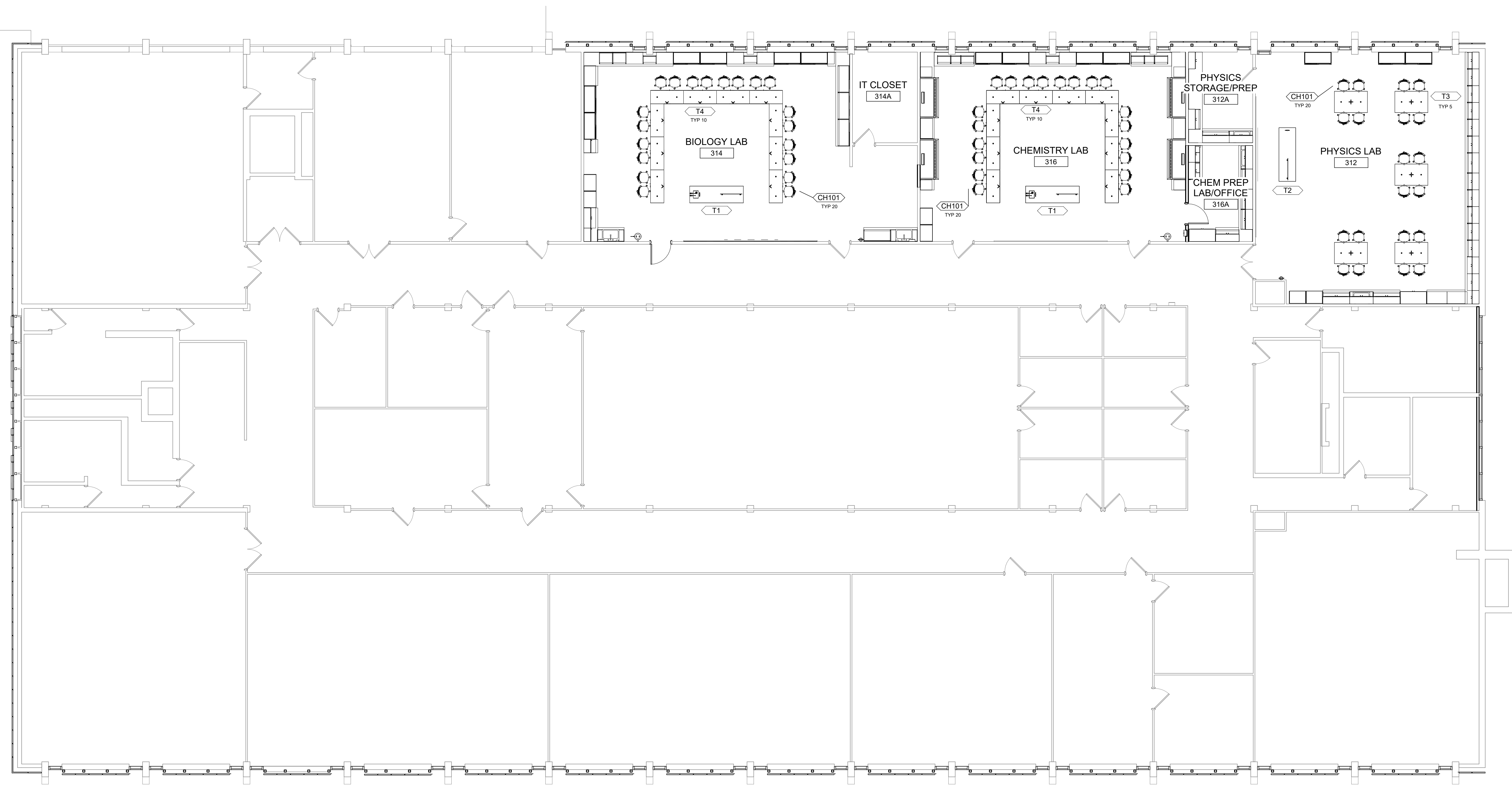
DESIGNED BY: J. CRENS	DATE: 03/13/2023
DRAWN BY: A. GREEN	CHECKED BY: J. SWENEY
PROJECT NO.: 202201	PROJECT NAME: RHODES HALL RENOVATIONS
SHEET NO.: 3042	SHEET TITLE: RHODES 300 LEVEL FURNITURE PLAN
FILE NAME: 3042	SCALE: As indicated

CLARK STATE COLLEGE RHODES HALL RENOVATIONS
 PHASE 4
 570 LEFFEL LANE
 SPRINGFIELD, OH 45505
RHODES 300 LEVEL FURNITURE PLAN



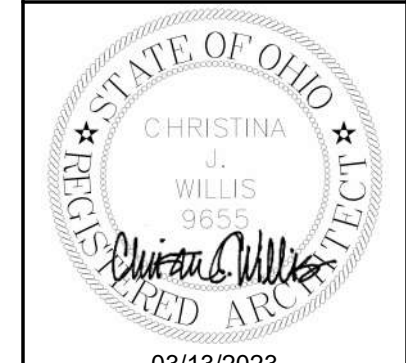
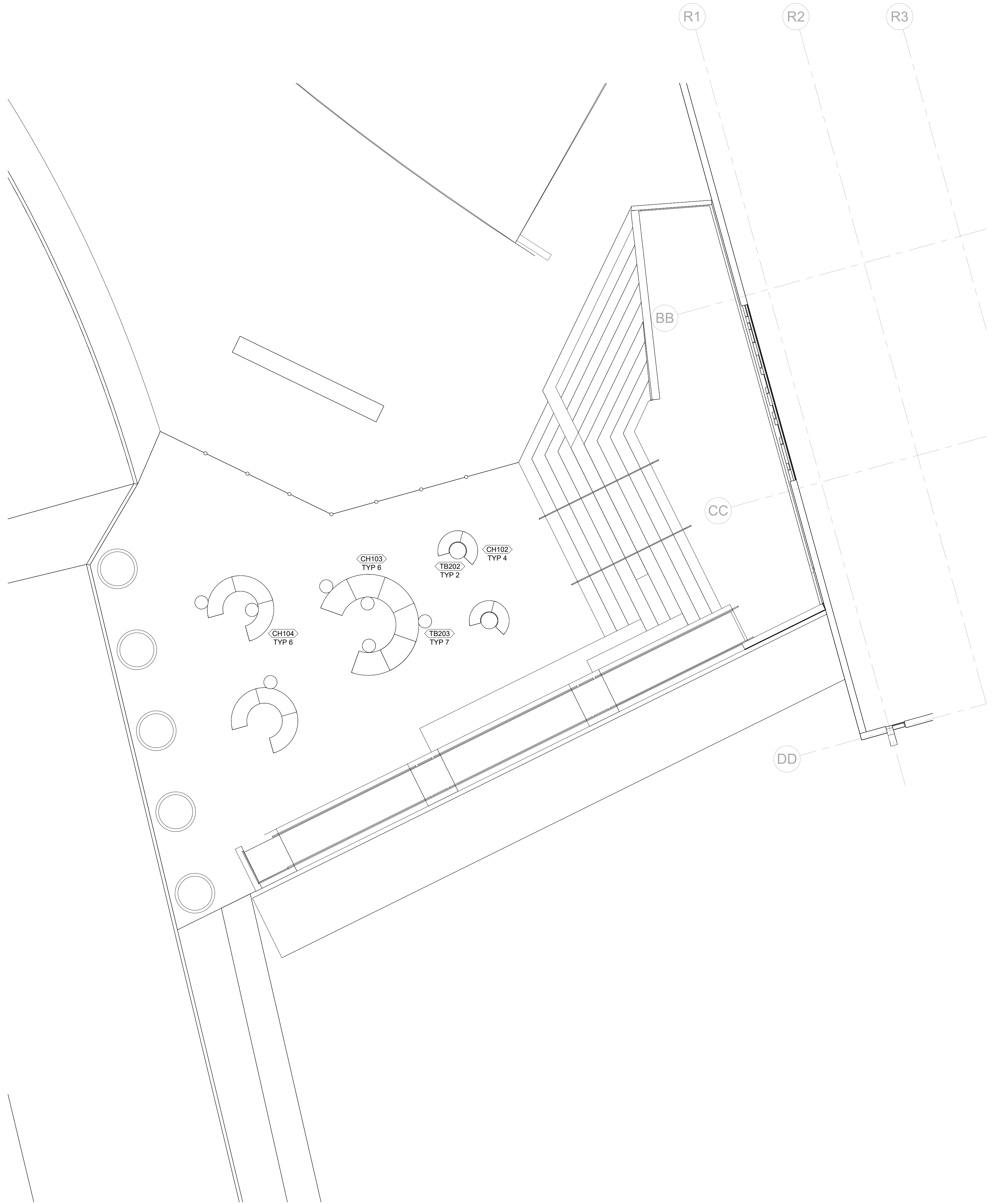
03/13/2023
 SHEET IDENTIFICATION

I-102



A1 300 LEVEL FURNITURE PLAN
 SCALE: 1/8" = 1'-0"

A1 **SITE FURNITURE PLAN**
SCALE: 1/8" = 1'-0"



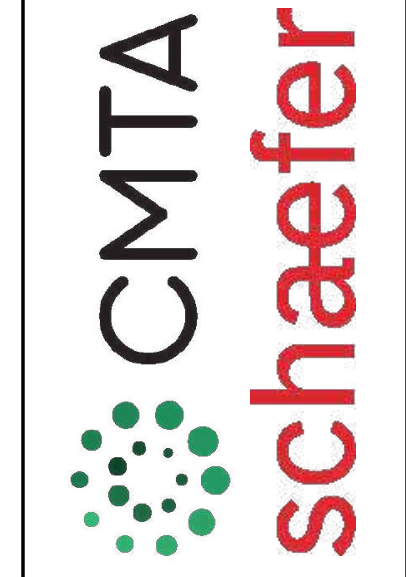
CLARK STATE COLLEGE RHODES HALL RENOVATIONS
PHASE 4
570 LEFFEL LANE
SPRINGFIELD, OH 45505
SITE FURNITURE PLAN

DESIGNED BY:
J. CRENS
DRAWN BY:
A. GREEN
CHECKED BY:
J. SWINEY
PROJECT NO.:
20201
DATE:
03/13/2023

MANAGER:
S. MARALL
PLLOT SCALE:
1/8" = 1'-0"
SHEET SIZE:
30x42
FILE NAME:

MARK	DESCRIPTION	DATE

EMERSON DESIGN
ARCHITECTURE
INTERIORS
SUSTAINABILITY
PLANNING
ENGINEERING
emersondesign.com
emerson DESIGN LLC
310 Culvert Street Suite 100
Cincinnati, Ohio 45202
513 841 5089



INTERIOR ROOM FINISH KEY				
MATERIALS	CODE	MFG	SPECIFICATION	NOTES
ACOUSTIC CEILING	ACT1	ARMSTRONG	OPTIMA SQUARE LAY-IN 24"X24" WHITE, 15/16" PRELUDE - WHITE	TYPICAL ACOUSTIC CEILING TILE
PAINT	P1	SHERWIN WILLIAMS	COLOR: EXTRA WHITE SW7006	TYPICAL PAINT / TYPICAL CEILING PAINT
PAINT	P4	SHERWIN WILLIAMS	COLOR: WORDLY GRAY SW7043	ACCENT PAINT
PAINT	P5	SHERWIN WILLIAMS	COLOR: ACHER SW9170	ACCENT PAINT
PAINT	P9	SHERWIN WILLIAMS	COLOR: GRAYS HARBOR SW6236	TRIM COLOR
PAINT	P11	SHERWIN WILLIAMS	COLOR: LANGUID BLUE SW6226	ACCENT PAINT
RESILIENT FLOORING	RF3	GERFLOR	PRODUCT: MIFOLAM SYMBIOZ, COLOR: 6041 CLAY	TYPICAL LAB FLOORING
RUBBER BASE	RB1	JOHNSONITE	4" COVE BASE, TYPE TS, COLOR: CHARCOAL	TYPICAL BASE

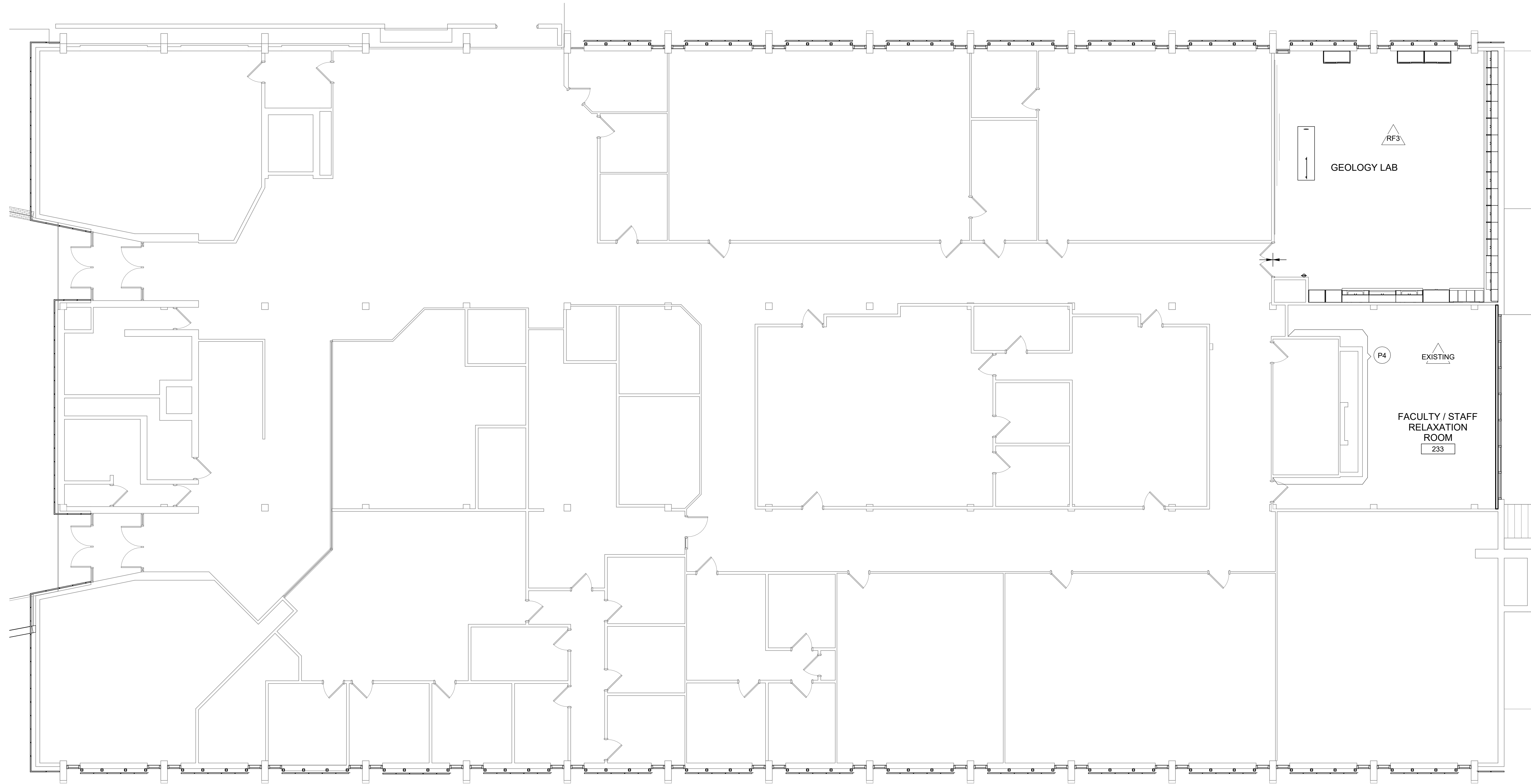
ROOM FINISH SCHEDULE								
ROOM NO.	ROOM NAME	FLOOR MAT.	BASE FINISH	WALL FINISH			CEILING MAT.	NOTES & REMARKS (SEE NOTES)
				NORTH	EAST	SOUTH		
231	GEOLOGY LAB	RF3	RB1	P1	P1	P1	P5	EXISTING
233	FACULTY / STAFF RELAXATION ROOM	EXISTING	RB1	P1	P1	P1	P4	EXISTING
								SEE PLAN FOR ACCENT PAINT LOCATION
310	COPY/MAIL	EXISTING	RB1	P1	P1	P1	P1	EXISTING
311	FACULTY LOUNGE	EXISTING	RB1	P1	P1	P1	P1	EXISTING
312	PHYSICS LAB	RF3	RB1	P1	P1	P1	P4	EXISTING
312A	PHYSICS STORAGE/PREP	RF3	RB1	P1	P1	P1	P1	EXISTING
314	BIOLOGY LAB	RF3	RB1	P1	P1	P11	P1	EXISTING
314A	IT CLOSET	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING
316	CHEMISTRY LAB	RF3	RB1	P1	P1	P11	P1	ACT1
316A	CHEM PREP LAB/OFFICE	RF3	RB1	P1	P1	P1	P1	ACT1

GENERAL FINISH NOTES

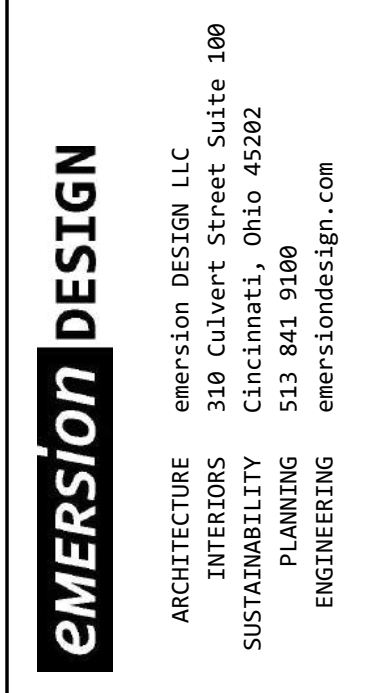
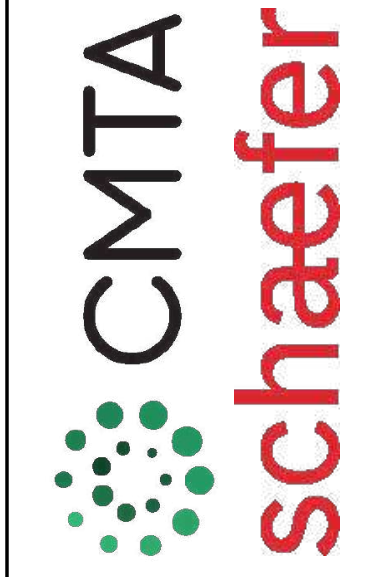
- REFER TO FINISH SCHEDULE, LEGEND, PLAN, DETAILS, AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- REFER TO ARCHITECTS DRAWINGS FOR PARTITION DETAILS AND BLOCKING LOCATIONS.
- FINISH PLAN DENOTES CHANGE IN FLOORING MATERIAL; USE APPROPRIATE TRANSITION STRIP WHERE DISSIMILAR FLOOR FINISHES ABUT.
- INTERIOR WALL FINISH AND COLOR SHALL APPLY TO ALL WALL SURFACES, INCLUDING, BUT NOT LIMITED TO, REVEALS, VERTICAL FURRED SPACES, GRILLES, DIFFUSERS, ELECTRICAL AND ACCESS PANELS, AND PIPING AND CONDUIT ADJACENT TO WALL SPACES UNLESS OTHERWISE SPECIFIED. FINISH COLORS OF FIRE EXTINGUISHER CABINETS, RECEPTACLE BODIES AND PLATES, FIRE ALARMS/WARNING LIGHTS, EMERGENCY LIGHTING AND OTHER MISCELLANEOUS ITEMS SHALL BE COORDINATED WITH THE BUILDING INTERIOR. COLOR OF EQUIPMENT ON CEILINGS OR WALLS (SPEAKERS, SMOKE DETECTORS, AIR GRILLES, ETC) SHALL MATCH THE CEILING OR WALL COLOR.
- ITEMS NOT SPECIFIED ELSEWHERE SHALL BE PAINTED TO MATCH ADJACENT WALL SURFACES.
- ALL SOFFITS SHALL BE PAINTED P2, FLAT FINISH.
- HOLLOW METAL DOOR AND DOOR FRAMES SHALL BE PAINTED P3, SEMI-GLOSS UNLESS OTHERWISE NOTED.
- RUN CEILING TILES SAME DIRECTION (NOT CHECKERBOARD PATTERN)
- FOR RENOVATIONS ONLY, PATCH AND REPAIR ALL FINISHES, INCLUDING BUT NOT LIMITED TO CEILING, PAINT, RUBBER BASE, AND FLOORING, FOR ALL EXISTING SPACES DAMAGED DURING CONSTRUCTION. MATCH EXISTING FINISHES.

FINISH KEY

- INDICATES WALL FINISH
- INDICATES EXTENT OF WALL FINISH
- INDICATES FLOOR FINISH (ENTIRE AREA)
- INDICATES FLOOR FINISH (SPECIFIC AREA)
- TRANSITION STRIP (CHANGE IN FLOOR FINISH)



A1 RHODES 200 LEVEL FINISH PLAN
SCALE: 1/8" = 1'-0"



MARK	DESCRIPTION	DATE

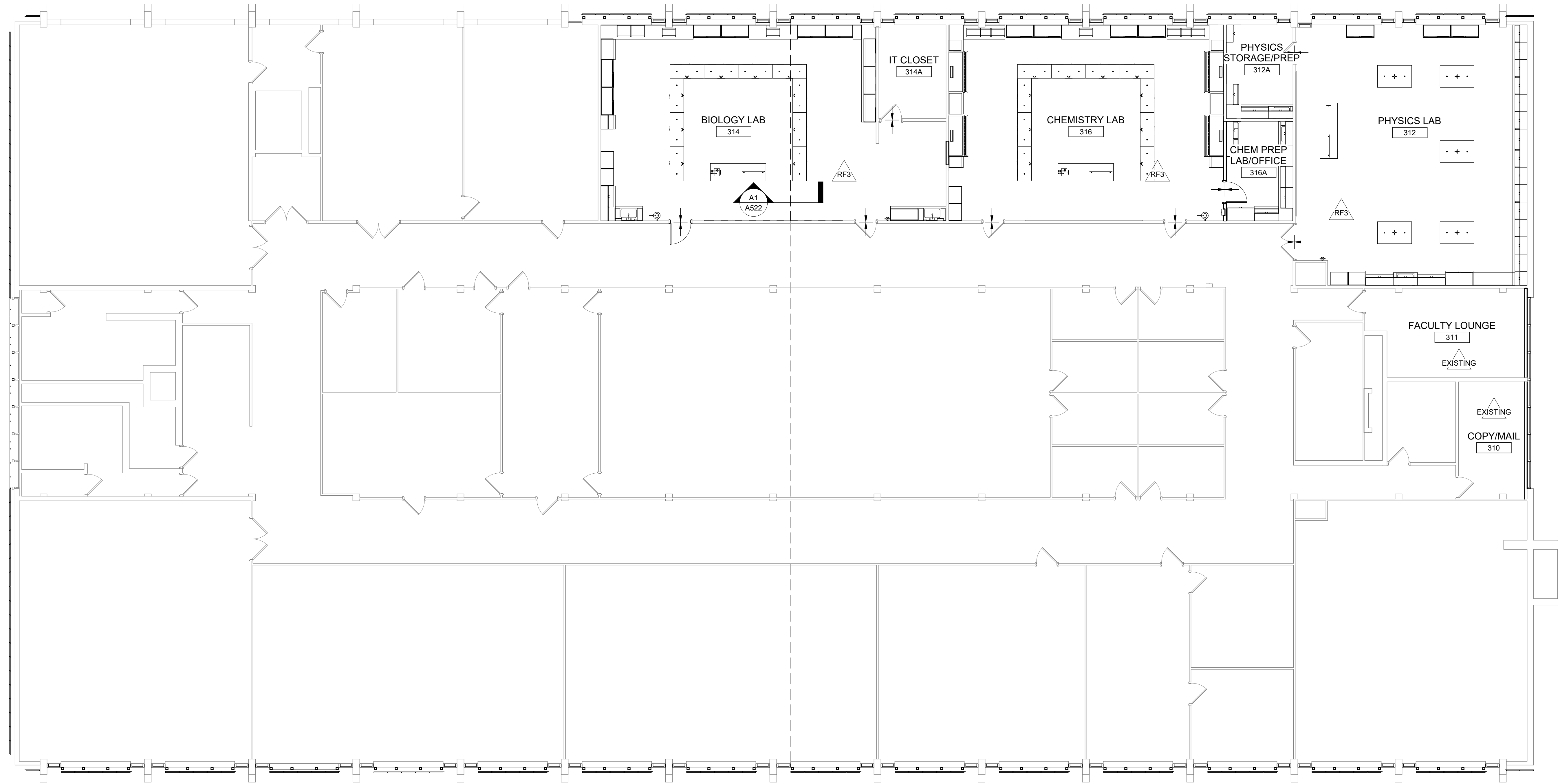
DESIGNED BY:	J. CRENS	DATE:	03/13/2023
DRAWN BY:	A. GREEN	CHECKED BY:	J. SWEENEY
PROJECT NO.:	20207	PROJECT MANAGER:	S. HANNAH
SHEET NO.:	3042	PLANT SCALE:	As indicated
FILE NAME:			

CLARK STATE COLLEGE RHODES HALL RENOVATIONS
 PHASE 4
 570 LEFFEL LANE
 SPRINGFIELD, OH 45505
 RHODES 200 LEVEL FINISH PLAN



SHEET IDENTIFICATION

I-111



A1 300 LEVEL FINISH PLAN
SCALE: 1/8" = 1'-0"

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IT CONSULTING

Idb

CMTA
schaefer

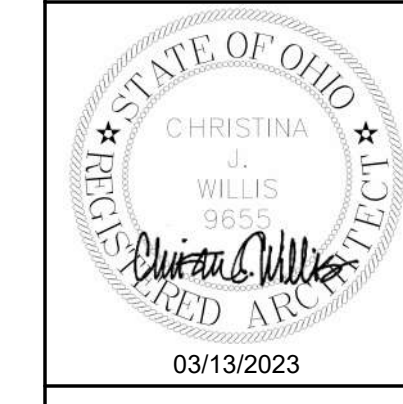
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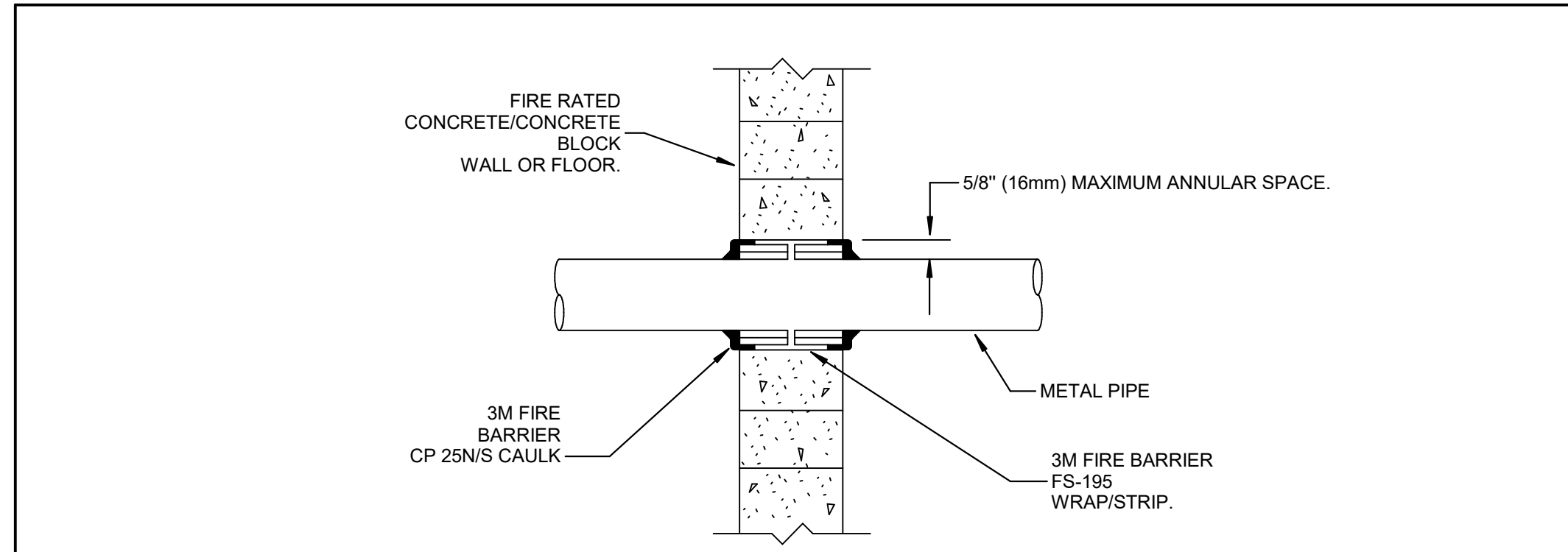
MARK	DESCRIPTION	DATE

DESIGNED BY: J. CRENS	CHECKED BY: J. SWENEY	DATE: 03/13/2023
DRAWN BY: A. GREEN	PROJECT MANAGER: S. KIMBALL	PROJECT NO.: 252501
SHEET SIZE: 30x42	PLAT SCALE: 1/8" = 1'-0"	FILE NAME:

CLARK STATE COLLEGE RHODES HALL RENOVATIONS
PHASE 4
570 LEFFEL LANE
SPRINGFIELD, OH 45505
RHODES 300 LEVEL FINISH PLAN



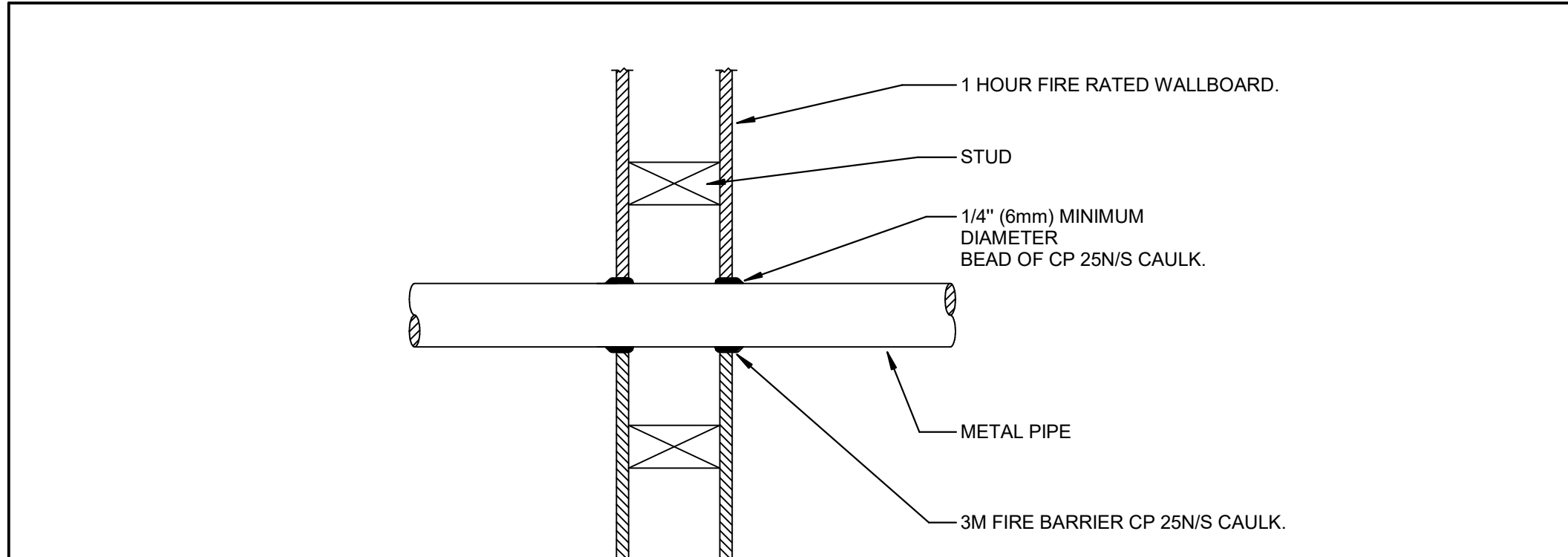
03/13/2023
SHEET IDENTIFICATION



- NOTES:**
- THE MAXIMUM ANNULAR SPACE AROUND THE METAL PIPE OR CONDUIT IS 5/8" (16mm). (IF THE ANNULAR SPACE EXCEEDS 5/8" PATCH THE WALL AND PENETRATE WALL AT ANOTHER LOCATION).
 - WRAP THE 3M MODEL# FS-195 WRAP/STRIP AROUND THE PIPE/CONDUIT. FOIL SIDE OUT, TO FILL THE SPACE BETWEEN THE PIPE/CONDUIT AND THE WALL OPENING. THE 3M MODEL# FS-195 WRAP/STRIP SHOULD BE TIGHTLY SECURED WITH ALUMINUM FOIL TAPE OR STEEL TIE WIRE AND PUSHED INTO THE OPENING UNTIL THE TOP EDGE OF THE WRAP IS FLUSH WITH THE WALL SURFACE. THE IDENTICAL INSTALLATION SHOULD BE INSTALLED ON THE OTHER SIDE OF THE WALL.
 - USE 3M MODEL# CP 25N/S(NO SAG) CAULK TO FILL THE AREA BETWEEN THE FS-195 WRAP/STRIP AND THE EDGES OF THE OPENING AND ANY VOIDS IN THE 3M MODEL# FS-195 WRAP/STRIP. A FILL OF CP 25 CAULK SHOULD COAT ALL EXPOSED EDGES OF THE FS-195 WRAP/STRIP AND COMPLETELY SEAL THE AREA BETWEEN THE FS-195 WRAP/STRIP, THE PIPE/CONDUIT AND THE WALL SURFACE.

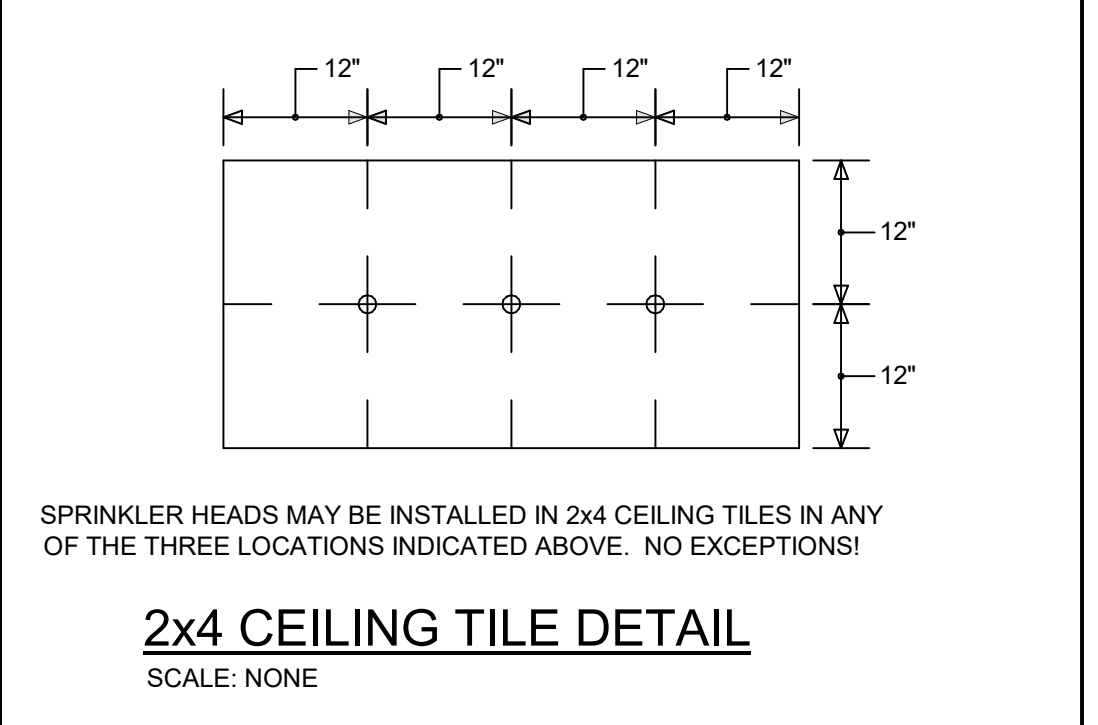
PENETRATION FIRESTOP FOR METAL PIPE/CONDUIT THROUGH A CONCRETE WALL
NOT TO SCALE

- FIRE STOPPING NOTES:**
- FIRE STOPPING IS CRITICAL AND MUST BE ACCOMPLISHED. ALL PIPES MUST BE FIRE STOPPED WHERE THEY PENETRATE FIRE RESISTIVE, FIRE RATED, AND SMOKE RESISTIVE WALLS OR FLOORS.
 - A FOUR-HOUR TRAINING SESSION SHALL BE CONDUCTED BY MANUFACTURER OF THE FIRESTOPPING MATERIAL. THIS SHALL BE DONE PRIOR TO THE INSTALLATION OF THE MATERIAL. CONTACT OWNER AND CMTA TO ADVISE OF DATE AND TIME OF THIS MEETING.
 - ALL PENETRATIONS WILL BE REVIEWED BY THE OWNER OR CMTA. PRIOR TO INSPECTION, ALL CEILING TILES BENEATH THE PENETRATIONS SHALL BE REMOVED BY THE CONTRACTOR.

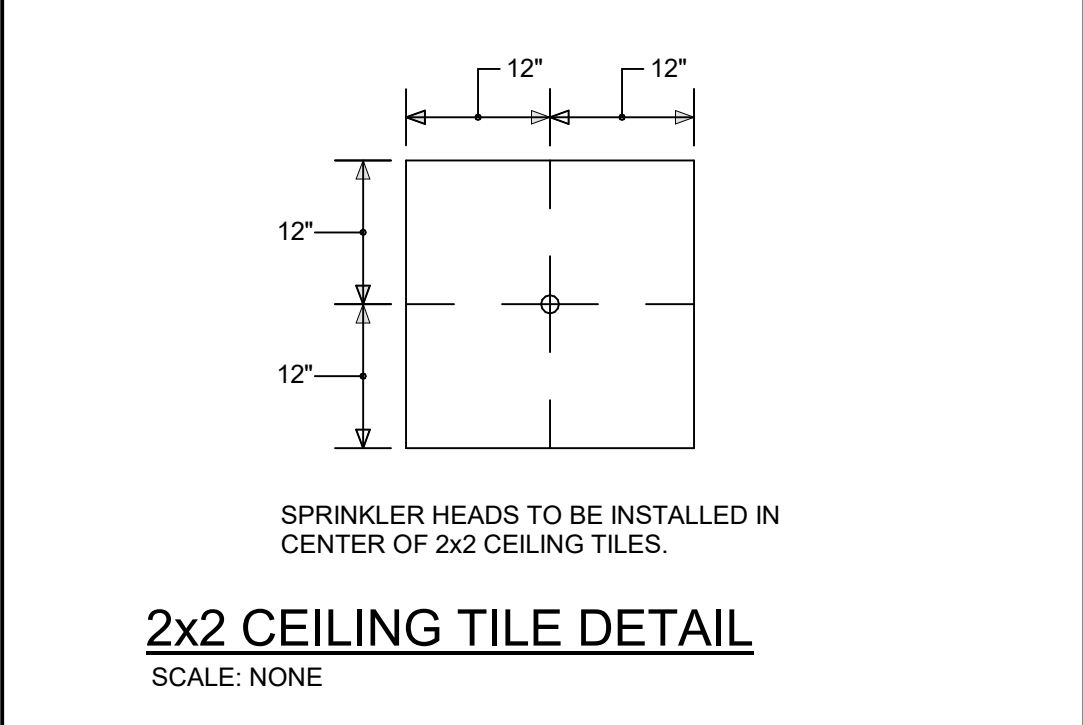


- NOTES:**
- FORCE THE 3M MODEL# CP 25N/S CAULK INTO THE ANNULAR SPACE TO THE MAXIMUM EXTENT POSSIBLE, FLUSH WITH THE EXTERIOR OF THE PENETRATION SURFACE.
 - FINISH CAULKING WITH A 1/4" (6mm) MINIMUM BEAD OF CP 25N/S CAULK APPLIED TO THE PERIMETER OF THE CONDUIT/PIPE AT ITS EGRESS FROM THE WALL.
 - THE MAXIMUM ANNULAR SPACE IS NOT TO EXCEED 3/16" (6mm). (IF IT DOES PATCH WALL AND PENETRATE WALL AT ANOTHER LOCATION).
 - INSTALL THE 3M FIRESTOP ON BOTH SIDES OF THE WALL.

PENETRATION FIRESTOP FOR METAL PIPE/CONDUIT THROUGH ONE HOUR WALL
NOT TO SCALE



2x4 CEILING TILE DETAIL
SCALE: NONE



2x2 CEILING TILE DETAIL
SCALE: NONE

SPRINKLER HEADS MAY BE INSTALLED IN 2x4 CEILING TILES IN ANY OF THE THREE LOCATIONS INDICATED ABOVE. NO EXCEPTIONS!

SPRINKLER HEADS TO BE INSTALLED IN CENTER OF 2x2 CEILING TILES.

GENERAL NOTES - FIRE PROTECTION

- ALL AREAS SHALL BE PROTECTED BY A 100% WET PIPE FIRE SUPPRESSION SYSTEM INSTALLED IN STRICT ACCORDANCE WITH NFPA-13, THE STATE BUILDING CODES AND THE PROJECT SPECIFICATIONS.
- ALL AREAS ARE PRESENTLY PROTECTED BY A 100% WET PIPE FIRE SUPPRESSION SYSTEM. CONTRACTOR SHALL MODIFY THE SYSTEM AS REQUIRED TO MAINTAIN 100% PROTECTION, IN ACCORDANCE WITH NFPA 13, LOCAL BUILDING CODE AND SPECIFICATIONS.
- THE SUCCESSFUL FIRE PROTECTION CONTRACTOR SHALL OBTAIN AND UTILIZE THE ARCHITECTURAL REFLECTED CEILING PLAN FOR LAYING OUT THE SPRINKLER HEADS. THE REFLECTED CEILING PLANS SHOWN ARE TO COORDINATE CEILING TYPES AND LOCATIONS. REFER TO THE MECHANICAL AND ELECTRICAL DRAWINGS FOR CEILING DEVICE LOCATIONS. REFER TO THE SPECIFICATIONS FOR COORDINATION DRAWING REQUIREMENTS.
- INSTALL HEADS IN CENTER OF 2'x2' TILES. INSTALL HEADS ON 1/4 POINTS OF THE 4' DIMENSION AND CENTER OF THE 2' DIMENSION IN 2'x4' TILES. DO NOT MOUNT HEADS IN CENTER OF 2'x4' TILE IF IT IS SCORED TO LOOK LIKE TWO 2'x2' TILES.
- ALL SPRINKLER HEADS SHALL MATCH EXISTING TYPE AND BE CONCEALED QUICK RESPONSE SPRINKLER HEADS (UNLESS OTHERWISE NOTED ON THE PLANS). HEADS SHALL BE FED FROM A RETURN BEND ARRANGEMENT.
- UTILIZE UPRIGHT AND/OR WALL-MOUNTED TYPE SPRINKLER HEADS IN AREAS WITHOUT CEILINGS.
- THE FIRE PROTECTION CONTRACTOR SHALL PERFORM HIS OWN FLOW TEST PRIOR TO SUBMITTING SHOP DRAWINGS.
- REFER TO A COMPLETE SET OF DOCUMENTS (ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL PLANS AND SPECIFICATIONS) FOR COORDINATION OF TRADES, ROOMS, STRUCTURE AND EQUIPMENT. HVAC DUCTWORK MAINS SHALL BE INSTALLED PRIOR TO FIRE PROTECTION PIPING. PROVIDE DRAIN VALVES IN THE FIRE PROTECTION SYSTEM WHERE REQUIRED TO COMPLETELY DRAIN THE SYSTEM.
- REFER TO THE SPECIFICATIONS FOR SPRINKLER HEAD TYPES.
- PROVIDE ALL REQUIRED DRAIN PIPING TO TEST FLOW SWITCHES. DISCHARGE DRAIN PIPING TO OUTDOORS OR A FLOOR DRAIN.
- SIZE ALL FIRE PROTECTION PIPING IN ACCORDANCE WITH NFPA 13. PIPE SIZING SHALL BE ACCOMPLISHED USING HYDRAULIC CALCULATIONS. SUBMIT HYDRAULIC CALCULATIONS AND SYSTEMS DESIGN FOR REVIEW TO THE M/E ENGINEER.
- THE CONTRACTOR SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO ENSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE. FOR SAFETY PURPOSES, PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. VERIFY THE LOCATION, SIZE, TYPE, ETC., OF EACH UNDERGROUND OR OVERHEAD UTILITY. ALL WORK SHALL BE PERFORMED IN ACCORD WITH ALL FEDERAL, STATE AND/OR LOCAL RULES, REGULATIONS, STANDARD AND SAFETY REQUIREMENTS.
- WHERE WORK IS REQUIRED ABOVE EXISTING LAY-IN, PLASTER OR GYPSUM BOARD CEILINGS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND REINSTALLATION (OR REPLACEMENT, IF DAMAGED) OF ALL CEILING OR TILE AND GRID MEMBERS NECESSARY TO PERFORM HIS WORK. NEW TILE AND GRID SHALL MATCH THE SURROUNDING AREAS. ALL PATCHING WORK SHALL MATCH ADJACENT SURFACES.
- ALL NEW WORK SHALL BE HUNG FROM STRUCTURE, NOT FROM THE WORK OF OTHER TRADES, WHETHER EXISTING OR NEW.
- COORDINATE ALL WORK WITH PROJECT PHASING REQUIREMENTS.
- PATCH, REPAIR AND PAINT OR PROVIDE WALL COVERING FOR (TO OWNER'S STANDARDS) EXISTING WALLS, CEILINGS, ETC., THAT ARE TO REMAIN IF DAMAGED DURING CONSTRUCTION. REPAIRS SHALL MATCH ADJACENT SURFACES TO THE SATISFACTION OF THE ARCHITECT AND OWNER. OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS THAT MAY APPLY TO THE WORK UNDER THIS CONTRACT. (CITY, COUNTY, LOCAL, FEDERAL, MUNICIPALITY, UTILITY COMPANY, STATE, ETC.)
- CONTRACTOR SHALL BE AWARE OF UNSEEN FIRE PROTECTION WORK DURING DEMOLITION. IF ITEMS ARE UNCOVERED DURING DEMOLITION THEN FIELD VERIFY THE USE OF THE ITEMS AND PLAN AN ALTERNATE ROUTE TO RUN THESE ITEMS. THEN CONTACT THE ENGINEERS TO REVIEW THE ROUTING.
- ALL PENETRATIONS OF FIRE AND SMOKE RATED ASSEMBLIES SHALL BE APPROPRIATELY FIRE STOPPED PER AN APPROVED U.L. LISTED STANDARD. CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO INSULATED PIPING PENETRATIONS.
- ALL WORK REQUIRING DOWNTIME OF ANY AREA IN THE BUILDING SHALL BE SCHEDULED 2 WEEKS IN ADVANCE, AND SHALL COMPLY WITH INTERIM LIFE SAFETY MEASURES.
- WHERE CEILINGS ARE INDICATED ALL SPRINKLER PIPING MUST BE INSTALLED ABOVE CEILINGS. SPRINKLER PIPING MUST BE COORDINATED WITH OTHER TRADES. PIPING MUST BE OFFSET TO AVOID CONFLICTS WITH DUCTWORK, CONDUIT, ALL EQUIPMENT, ETC.
- LOCATIONS OF PIPING AND EQUIPMENT ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. DO NOT SCALE THE DRAWINGS.
- COORDINATE ALL FIRE PROTECTION WORK WITH ELECTRICAL, PLUMBING AND OTHER TRADES TO AVOID INTERFERENCE WITH PIPING, DUCTS, CONDUIT AND OTHER EQUIPMENT.
- SEAL AIRTIGHT AROUND ALL PIPING PENETRATIONS THROUGH WALLS, FLOORS AND ROOF. PROVIDE FIRE STOPPING IN FIRE PARTITION.
- THE CONTRACTOR SHALL RELOCATE OR AVOID ANY EXISTING EQUIPMENT APPURTENANCES, ETC., THAT CONFLICT WITH NEW WORK.

PHASING NOTES

- THIS PROJECT INTERFACES EXTENSIVELY WITH EXISTING BUILDING SERVICES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND PHASE ALL TIE-INS AND INTERRUPTIONS OF EXISTING SERVICES TO MINIMIZE OR ELIMINATE DOWNTIME. AS AN EXAMPLE, MAIN GAS SERVICE, WATER SERVICE, ELECTRICAL SERVICE, HVAC SERVICES, STEAM GENERATION, ETC., WILL BE AFFECTED AND REPLACED OR MOVED DURING THIS PROJECT. THE CONTRACTOR SHALL INSTALL ALL NEW SERVICES AND EQUIPMENT AND HAVE THEM TESTED AND FULLY AND RELIABLY FUNCTIONAL PRIOR TO INTERRUPTING, RELOCATING OR REMOVING ANY EXISTING SERVICES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO BARE ANY AND ALL COSTS ASSOCIATED WITH THIS PHASING, INCLUDING TEMPORARY SERVICES, TEMPORARY RELOCATION, PREMIUM TIME WORK, ETC. CONTRACTOR SHALL COORDINATE ALL SAID WORK WITH THE OWNER AND APPLICABLE UTILITIES PER THE CONTRACT DOCUMENTS.

ABBREVIATIONS

ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
ANSI	AMERICAN NATIONAL STANDARD INSTITUTE
CLG	CEILING
CLR	CLEAR
DN	DOWN
ENGR	ENGINEER
EQ	EQUAL
ETR	EXISTING TO REMAIN
EXT	EXTERIOR
FVC	FIRE VALVE CABINET
FL	FLOOR
FLA	FULL LOAD AMPS
FOB	FLAT ON BOTTOM
FOT	FLAT ON TOP
FPC	FIRE PROTECTION CONTRACTOR
FT	FEET OR FOOT
FUT	FUTURE
GA	GAGE/GAUGE
GAL	GALLON (-S)
GC	GENERAL CONTRACTOR
HORIZ	HORIZONTAL
ID	I (-IDENTIFICATION, -NSIDE DIAMETER, -NSIDE DIMENSION)
IN	INCH (-ES)
INT	INTER (-IOR, -ERVAL)
IPS	IRON PIPE SIZE
LBS	POUNDS
LF	LINEAR FEET/FOOT
MAX	MAXIMUM
MFG	MANUFACTURER
MIN	MIN (-IMUM, -UTE)
MISC	MISCELLANEOUS
MTG	MOUNTING
N/A	NOT APPLICABLE
NC	NOISE CRITERIA OR NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN OR NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DI (-AMETER, -MENSION)
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
PC	PLUMBING CONTRACTOR
PLBG	PLUMBING
PRV	PRESSURE REDUCING VALVE (STEAM, WATER, GAS)
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	PPSI GAUGE
SQ FT	SQUARE FEET OR FOOT
TBD	TO BE DETERMINED

NOT ALL SYMBOLS AND ABBREVIATIONS MAY BE USED ON THIS PROJECT

ABBREVIATIONS (CONTINUED)

TE	TOP ELEVATION
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
W/	WITH
W/O	WITHOUT
%	PERCENT
CL	CENTERLINE

GENERAL SYMBOLS

	TAGGED NOTE DESIGNATOR
	REVISION TRIANGLE
	ROOM TAG
	EQUIPMENT TAG
	POINT OF CONNECTION / CONNECT TO EXISTING
	POINT OF DEMOLITION

MECHANICAL PIPING LEGEND

	PIPE ELBOW TURNING UP
	PIPE ELBOW TURNING DOWN
	PIPE TEE; CONNECTION ON TOP
	PIPE TEE; CONNECTION ON BOTTOM
	PIPE CAP
	FIRE PROTECTION PIPING
	PIPING TO BE DEMOLISHED - (XXX) DENOTES SYSTEM
	EXISTING PIPING - (XXX) DENOTES SYSTEM
	ABANDONED IN PLACE PIPING - (XXX) DENOTES SYSTEM
	STRAINER
	MANUAL ISOLATION VALVE
	GLOBE VALVE
	OS&Y (GATE) VALVE
	PRESSURE REDUCING VALVE (STEAM, GAS, WATER, ETC.)
	CHECK VALVE
	DOUBLE CHECK VALVE ASSEMBLY
	FLEXIBLE PIPE CONNECTION
	PIPING UNION
	FLOW SWITCH
	PRESSURE SWITCH
	TAMPER SWITCH
	PETE'S PLUG; TEMPERATURE/PRESSURE PORT
	SEMI-RECESSED SPRINKLER HEAD WITH REMOVABLE ESCUTCHEON PLATE
	UPRIGHT TYPE SPRINKLER HEAD
	SIDEWALL TYPE SPRINKLER HEAD

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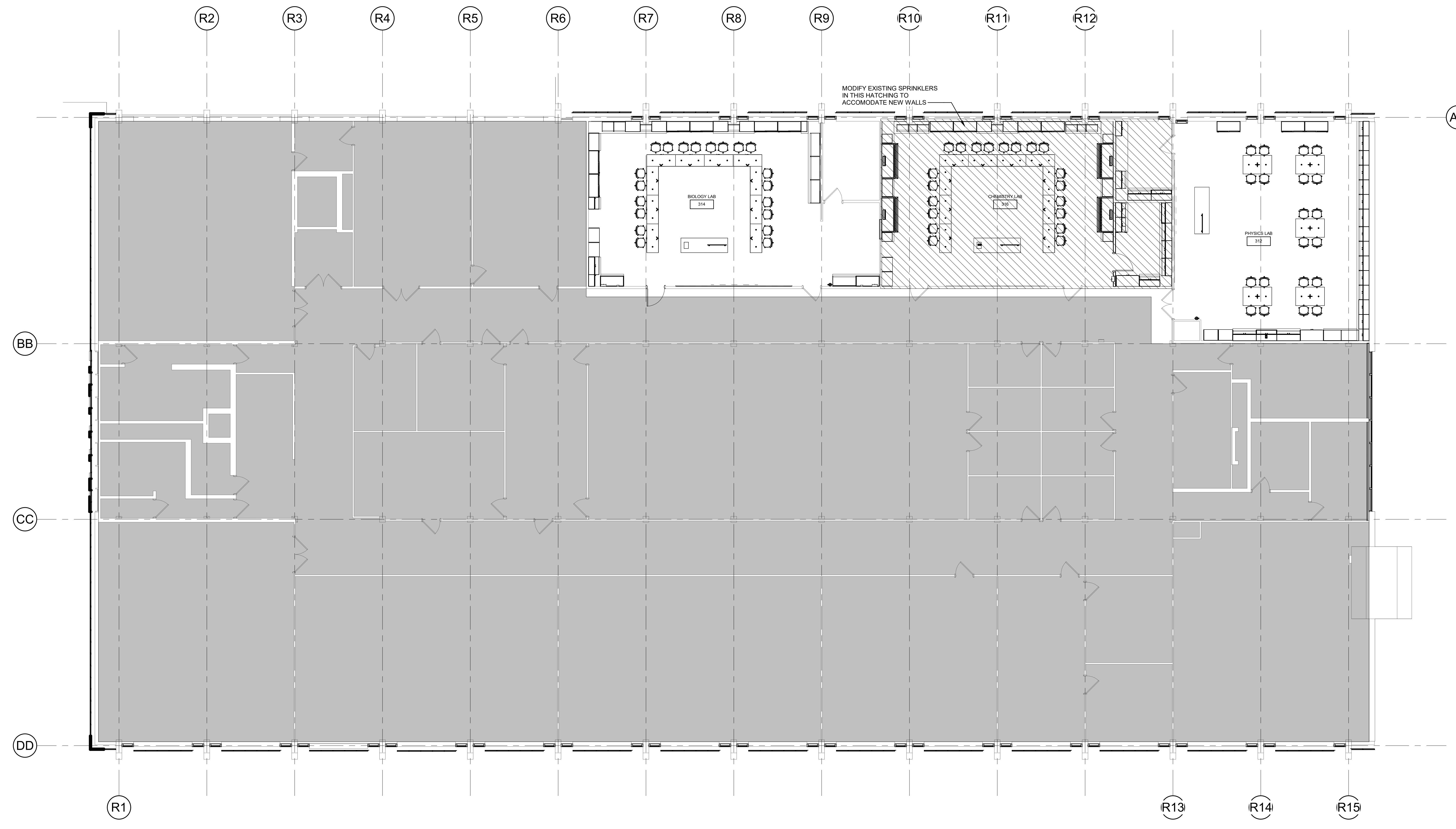
DESIGNED BY:	DATE:	03/13/2023
DRAWN BY:	CHECKED BY:	PROJECT NO.:
PROJECT MANAGER:	DATE:	03/20/21
SHEET SIZE:	SCALE:	1/8" = 1'-0"
30x42	FILE NAME:	

CLARK STATE RHODES HALL
570 LEFFEL LN
SPRINGFIELD, OH 45505
FIRE PROTECTION GENERAL INFORMATION

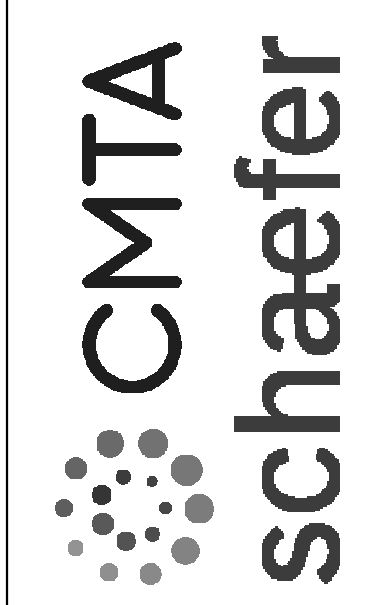
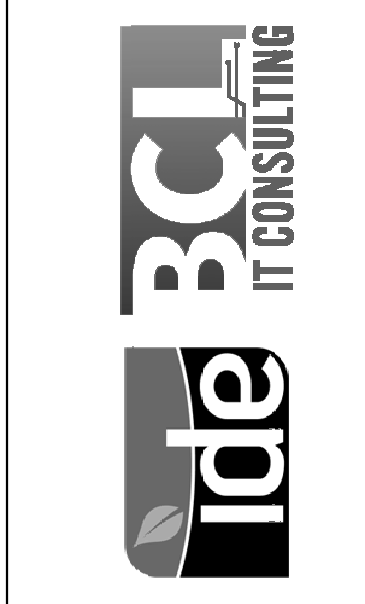


SHEET IDENTIFICATION

F-001



1 THIRD FLOOR FIRE PROTECTION PLAN
F-103 1/8" = 1'-0"

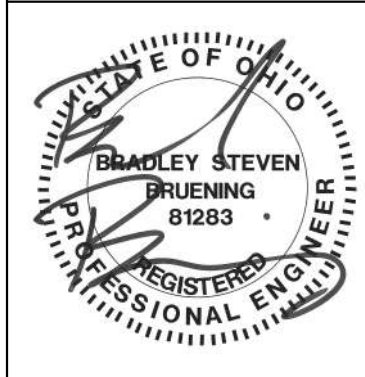


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 INTERIORS 330 Culvert Street Suite 109
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MARK	DESCRIPTION	DATE

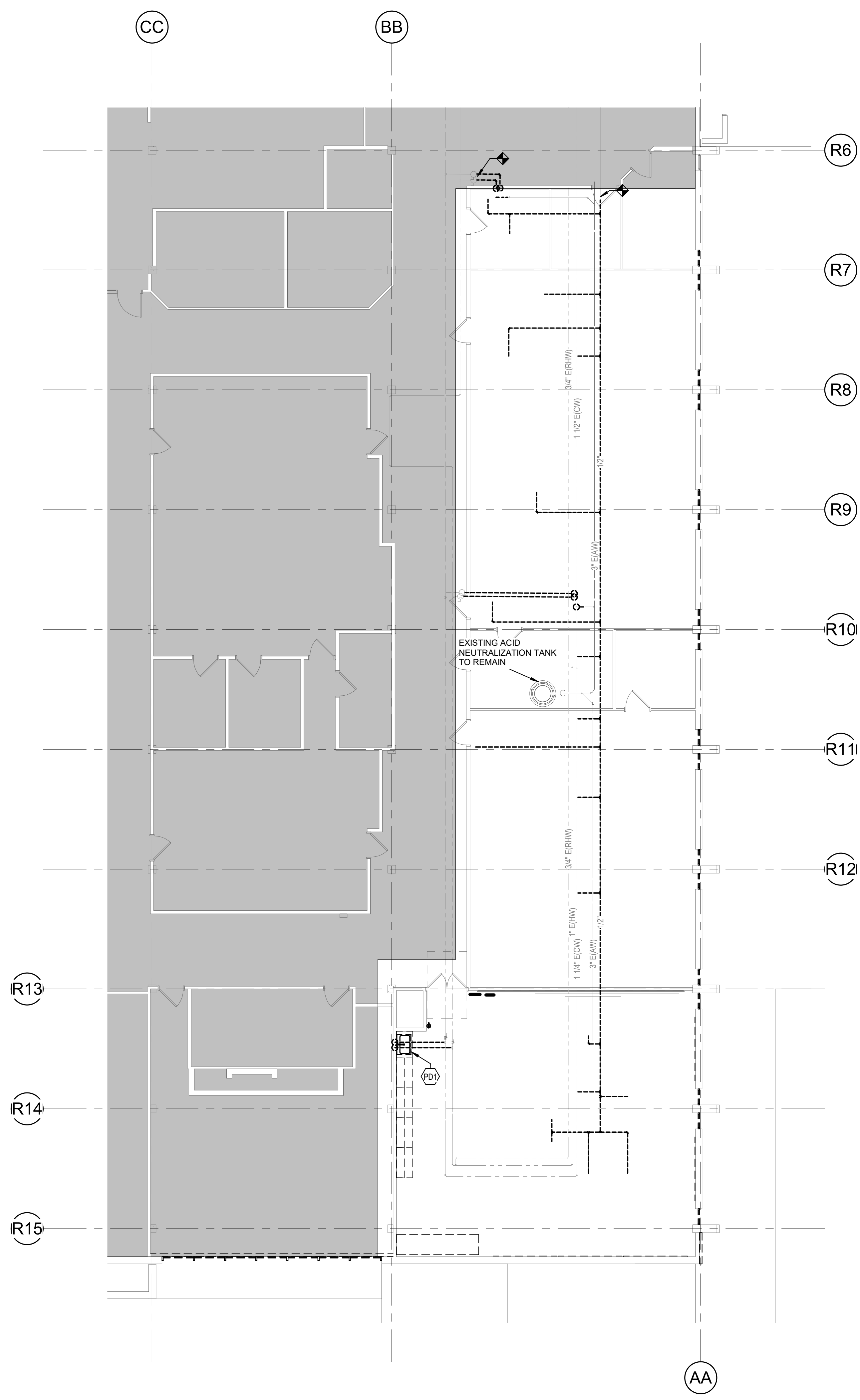
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CLARK STATE RHODES HALL
 570 LEFFEL LN
 SPRINGFIELD, OH 45505
 THIRD FLOOR FIRE PROTECTION PLAN

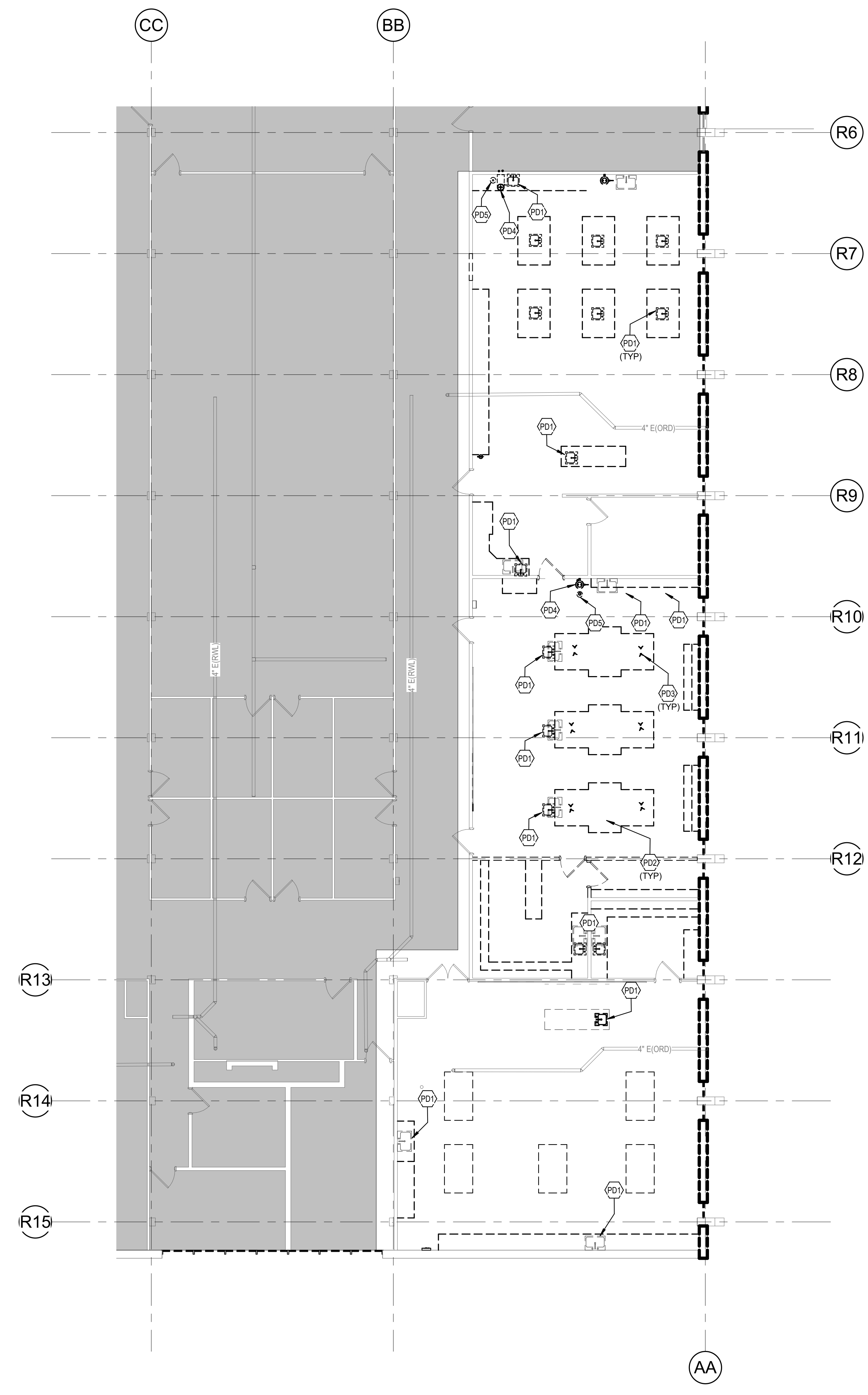


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F-103

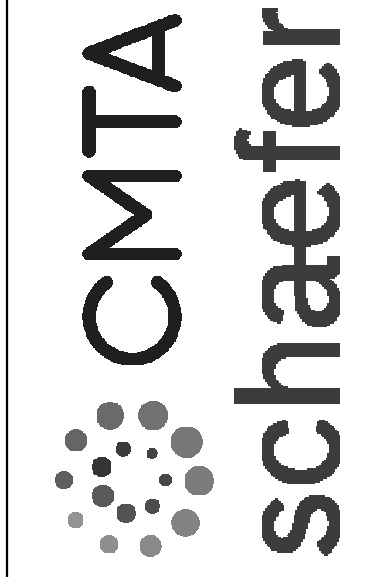
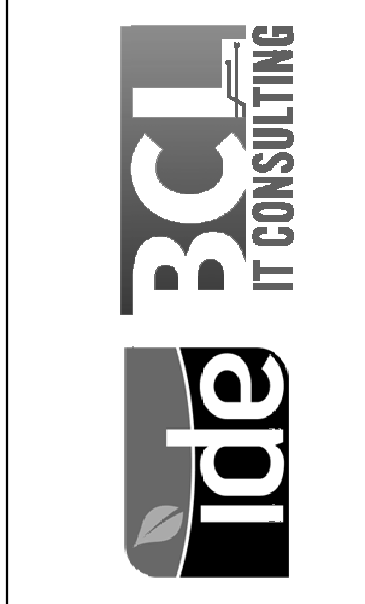
TAGGED NOTES	
PD1	REMOVE LAB SINK IN ITS ENTIRETY. REMOVE PIPING BACK TO MAIN ON FLOOR BELOW.
PD2	REMOVE UTILITIES TO LAB HOOD BACK TO MAINS ON FLOOR BELOW.
PD3	REMOVE GAS TURRET AND ASSOCIATED PIPING BACK TO MAIN ON FLOOR BELOW.
PD4	REMOVE EXISTING EMERGENCY WASH STATION. REMOVE PIPING BACK TO MAINS ON FLOOR BELOW.
PD5	REMOVE EXISTING FLOOR DRAIN. CAP PIPING BELOW FLOOR.



1 SECOND FLOOR PLUMBING DEMOLITION PLAN
PD100 1/8" = 1'-0"



2 THIRD FLOOR PLUMBING DEMOLITION PLAN
PD100 1/8" = 1'-0"

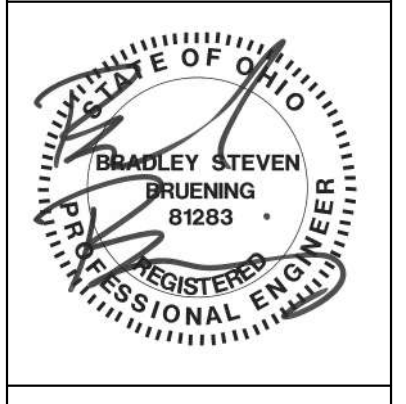


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MARK	DESCRIPTION	DATE

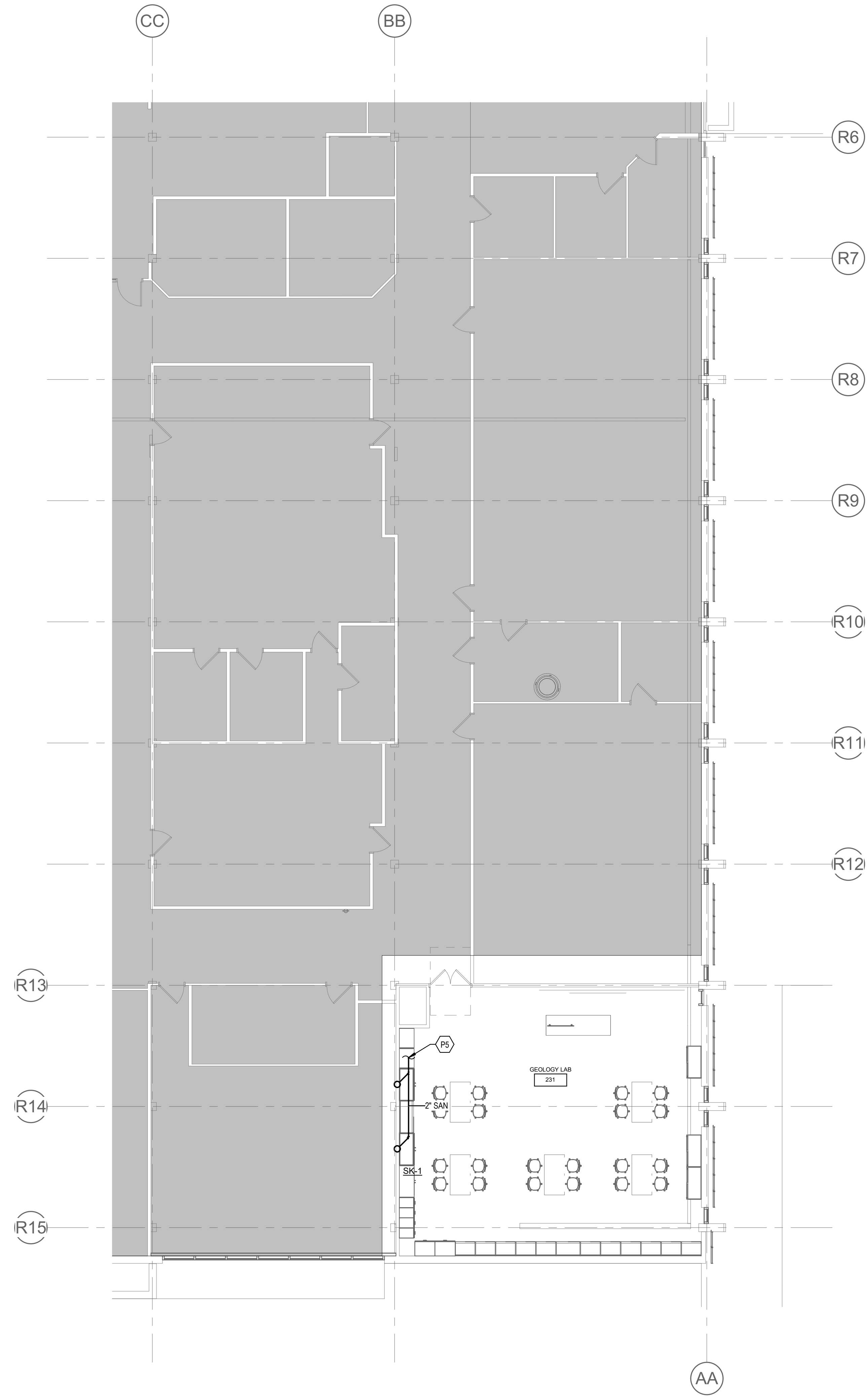
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CLARK STATE RHODES HALL
 570 LEFFEL LN
 SPRINGFIELD, OH 45505
 PLUMBING DEMOLITION PLANS

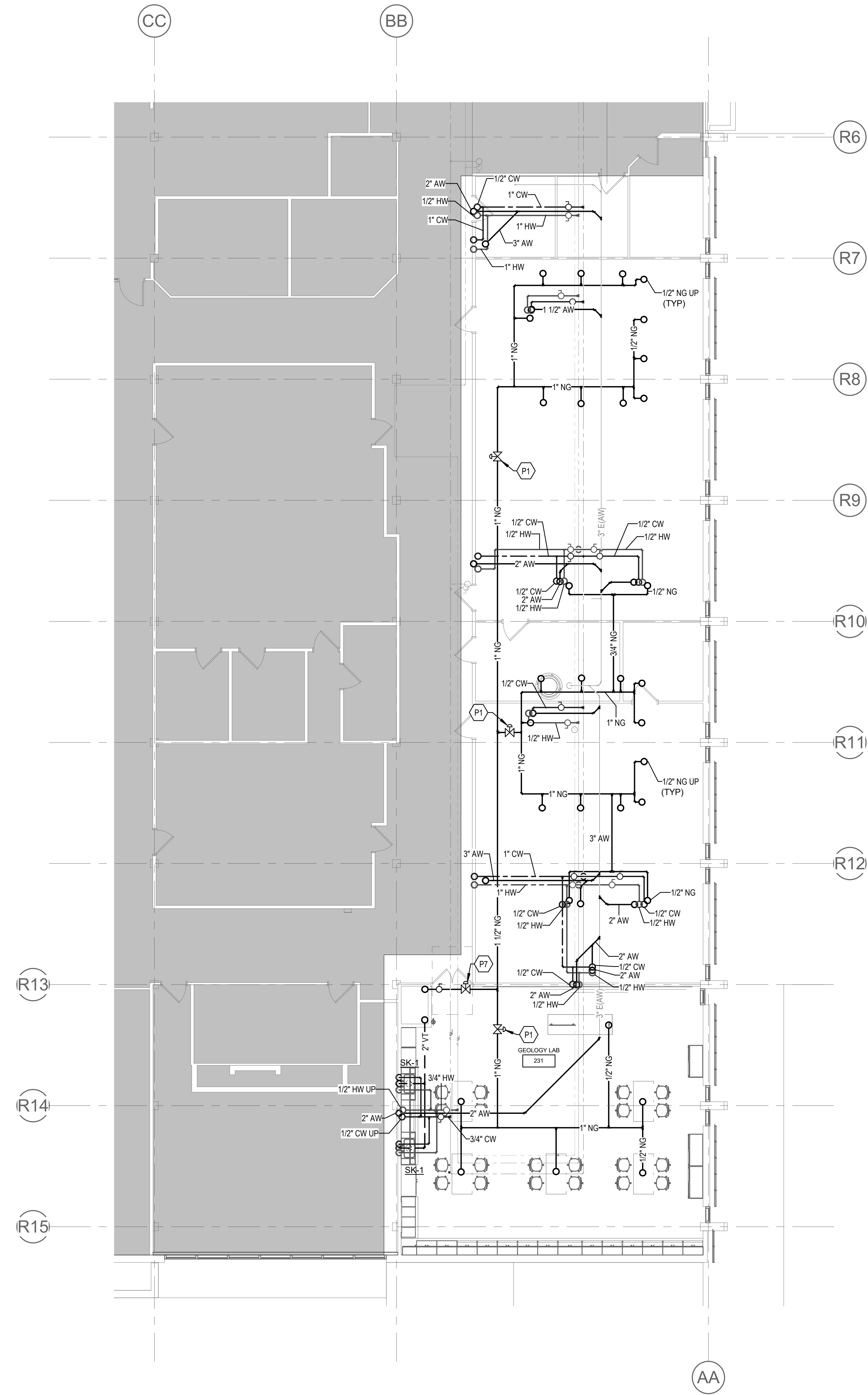


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 PD100

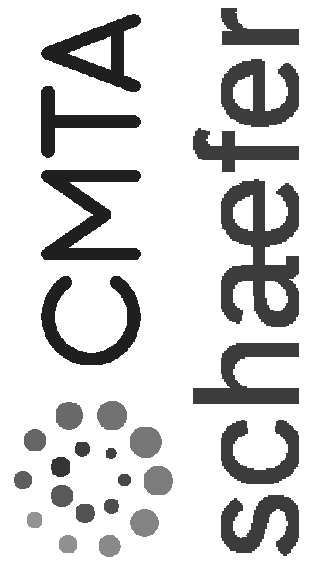
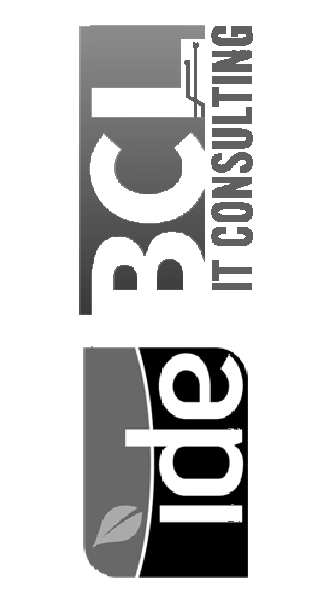
TAGGED NOTES	
P1	PROVIDE AUTOMATIC SOLENOID VALVE FOR EMERGENCY GAS SHUTOFF TO CLASSROOM
P5	TIE-IN 2" SANITARY TO EXISTING SANITARY FROM DEMOLISHED SINK IN 1ST FLOOR CEILING SPACE
P7	PROVIDE MASTER AUTOMATIC SOLENOID VALVE FOR EMERGENCY GAS SHUTOFF TO GAS SYSTEM



2 SECOND FLOOR PLUMBING PLAN - BELOW SLAB
P-102 1/8" = 1'-0"



1 SECOND FLOOR PLUMBING PLAN
P-102 1/8" = 1'-0"



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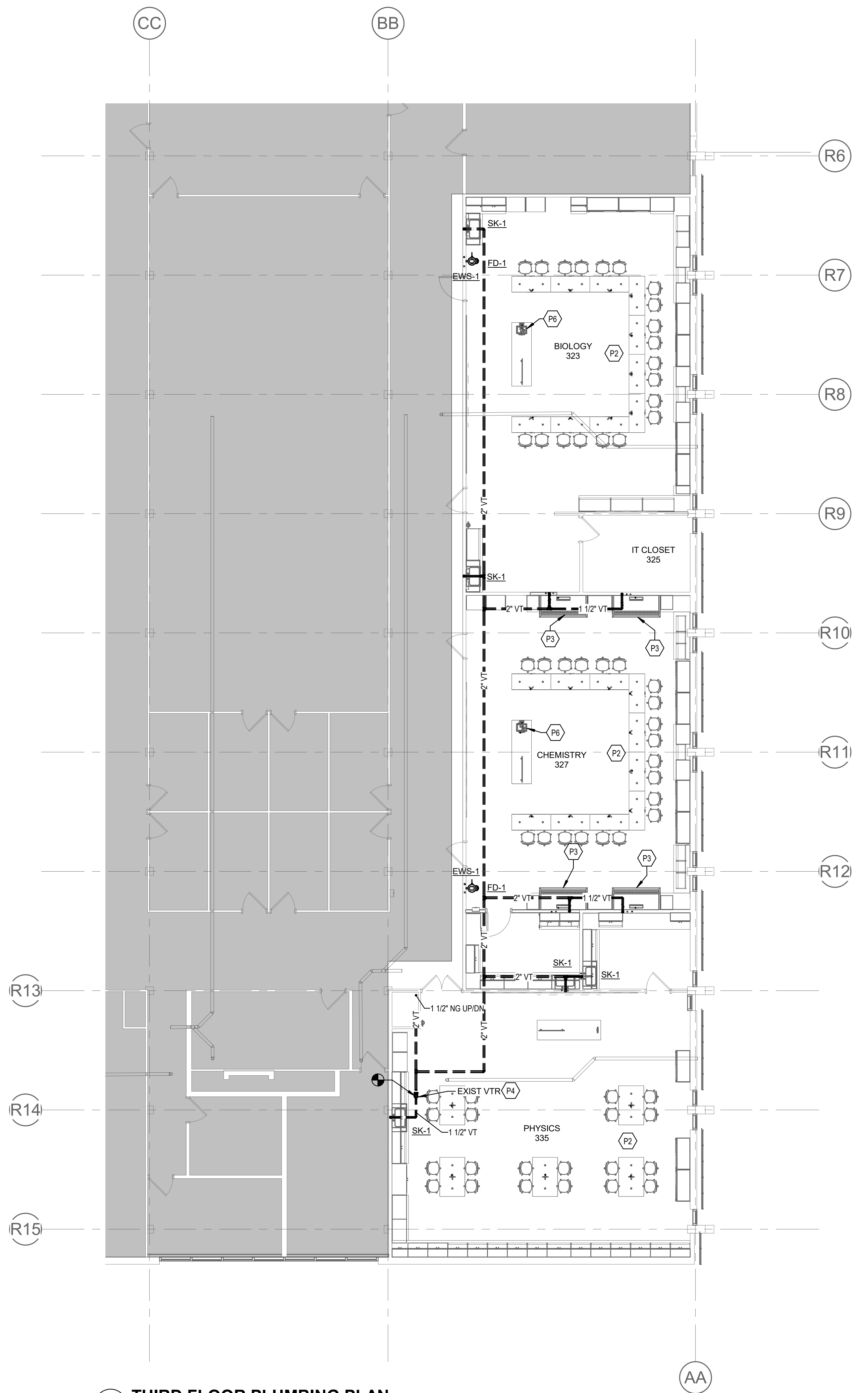
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ESB	03/13/2023	252201	
DRAWN BY:	CHECKED BY:	PROJECT MANAGER:	DESCRIPTION
AW	ESB	TJA	
SHEET SIZE:	30x42	PLANT SCALE:	1/8" = 1'-0"
FILE NAME:			

CLARK STATE RHODES HALL
 570 LEFFEL LN
 SPRINGFIELD, OH 45505
 SECOND FLOOR PLUMBING PLANS

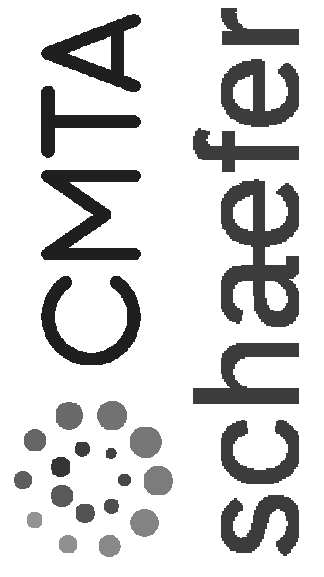
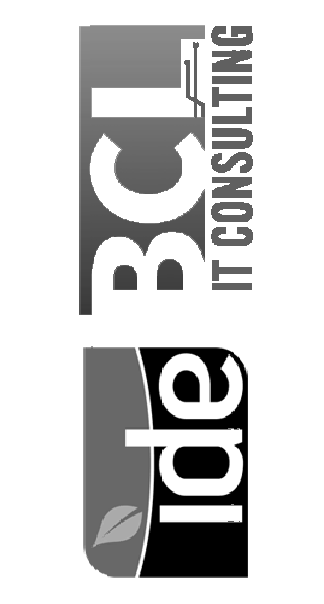


SHEET IDENTIFICATION
 P-102

TAGGED NOTES		#
P2	GAS SERVING TURRETS IN THIS ROOM TO BE FED FROM 2ND FLOOR CEILING SPACE. REFERENCE SECOND FLOOR PLAN FOR PIPING.	
P3	FUME HOOD TO BE PROVIDED WITH NATURAL GAS, COLD AND HOT WATER, AND ACID WASTE DRAIN PIPING FROM BELOW.	
P4	TIE-IN VENT PIPING TO EXISTING VENT TO ROOF IN THIS AREA.	
P6	PROVIDE AIR ADMITTANCE VALVE BELOW COUNTER OFF OF SANITARY STACK FOR SINK.	



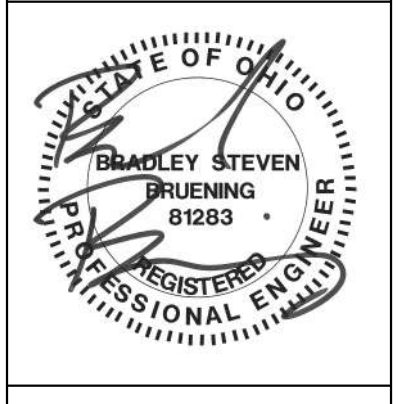
1 THIRD FLOOR PLUMBING PLAN
P-103 1/8" = 1'-0"



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ESB	03/13/2023	202201	
DRAWN BY:	CHECKED BY:	PROJECT MANAGER:	MARK
TA	ESB	TA	
SHEET SIZE:	18" x 11"	FILE NAME:	
3042			

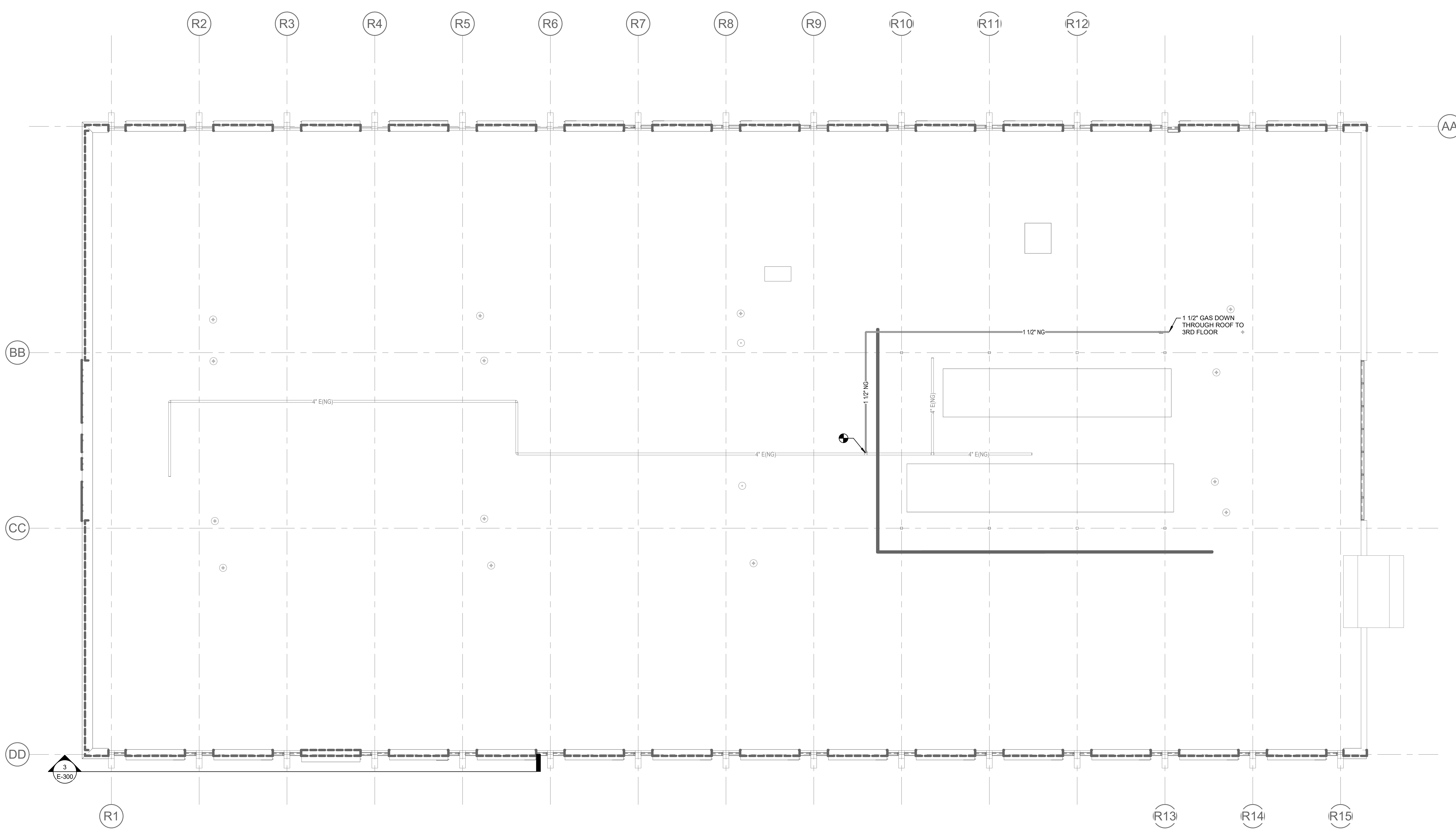
CLARK STATE RHODES HALL
 570 LEFFEL LN
 SPRINGFIELD, OH 45505
THIRD FLOOR PLUMBING PLAN



SHEET IDENTIFICATION
P-103

1 2 3 4 5 6 7 8 9 10 11 12

J
H
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D
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B
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1 PLUMBING ROOF PLAN
1/8" = 1'-0"

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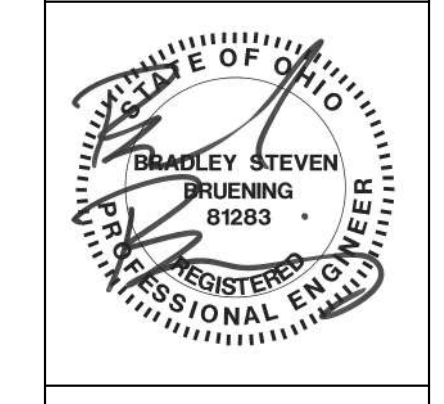
Idc

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schaefner

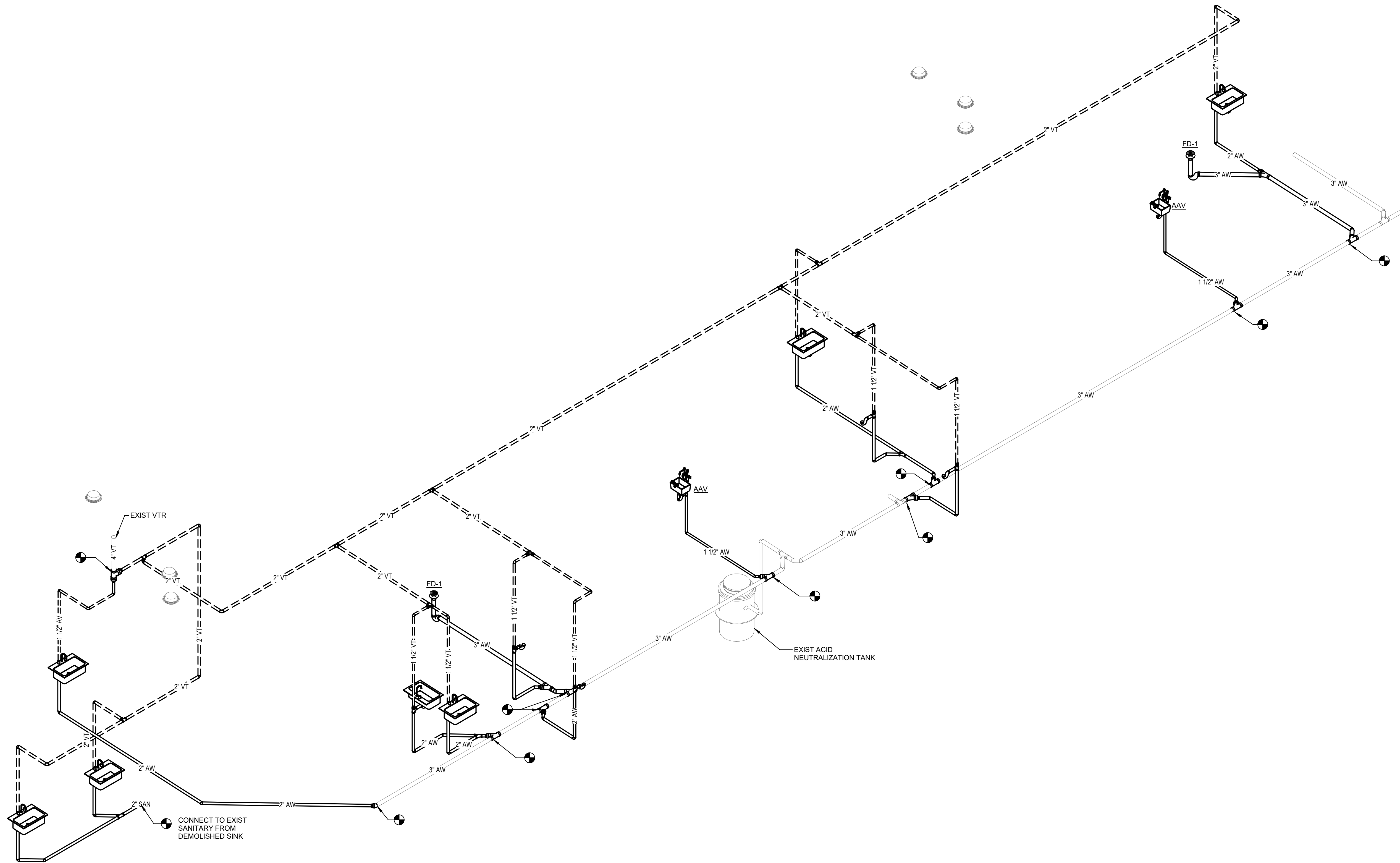
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ARCHITECTURE emersion DESIGN LLC
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DESIGNED BY:	DATE:	PROJECT NO.:	DESCRIPTION:
DESIGNED BY:	03/13/2023	202201	
CHECKED BY:			
DRAWN BY:			
PROJECT MANAGER:			
FILE NAME:			
SHEET SIZE:	18" x 11"		
	3042		

CLARK STATE RHODES HALL
570 LEFFEL LN
SPRINGFIELD, OH 45505
PLUMBING ROOF PLAN



SHEET IDENTIFICATION
P-104



1
P-201
SANITARY WASTE AND VENT ISOMETRIC

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MARK	DESCRIPTION	DATE

CLARK STATE RHODES HALL
570 LEFFEL LN
SPRINGFIELD, OH 45505
PLUMBING ISOMETRICS

DESIGNED BY: BSB
DRAWN BY: BSB
PROJECT MANAGER: TLA
SHEET SIZE: 30x42
FILE NAME: P-201

DATE: 03/13/2023
PROJECT NO.: 202201
PROJECT MANAGER: TLA
SHEET SIZE: 30x42
FILE NAME: P-201



SHEET IDENTIFICATION
P-201

GENERAL NOTES - MECHANICAL

- THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE GENERAL AND SPECIAL CONDITIONS, "GENERAL CONDITIONS - MECHANICAL" OF THE PROJECT SPECIFICATIONS AND TO ALL OTHER CONTRACT DOCUMENTS AS THEY APPLY TO THIS BRANCH OF WORK. ATTENTION IS ALSO DIRECTED TO ALL OTHER SECTIONS OF THE CONTRACT DOCUMENTS WHICH AFFECTS THE WORK AND WHICH ARE HEREBY MADE A PART OF THE WORK SPECIFIED.
- ALL MANUFACTURERS, SUPPLIERS, FABRICATORS, CONTRACTORS, ETC. SUBMITTING PROPOSALS FOR ANY PART OF THE WORK, SERVICES, MATERIALS OR EQUIPMENT TO BE USED ON OR APPLIED TO THIS PROJECT ARE HEREBY DIRECTED TO FAMILIARIZE THEMSELVES WITH THE CONTRACT DOCUMENTS. IN CASE OF CONFLICTS, THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR CLARIFICATION AND FINAL DETERMINATION PRIOR TO THE BID.
- THE WORK SHALL CONSIST OF FURNISHING ALL LABOR, EQUIPMENT, TRANSPORTATION, SUPPLIES, MATERIALS, APPURTENANCES AND SERVICES NECESSARY FOR THE SATISFACTORY INSTALLATION OF THE COMPLETE AND OPERATING SYSTEMS INDICATED OR SPECIFIED IN THE CONTRACT DOCUMENTS.
- ANY MATERIALS, LABOR, EQUIPMENT OR SERVICES NOT MENTIONED SPECIFICALLY HEREIN WHICH MAY BE NECESSARY TO COMPLETE ANY PART OF THE SYSTEMS IN A SUBSTANTIAL MANNER, IN COMPLIANCE WITH THE REQUIREMENTS STATED, IMPLIED OR INTENDED IN THE PLANS AND SPECIFICATIONS, SHALL BE INCLUDED IN THE BID AS PART OF THE CONTRACT.
- THE ENGINEER DOES NOT DEFINE THE SCOPE OF INDIVIDUAL TRADES, SUBCONTRACTORS, MATERIAL SUPPLIERS AND VENDORS. ANY SHEET NUMBERING OR SPECIFICATION NUMBERING SYSTEM USED WHICH IDENTIFIES DISCIPLINES IS SOLELY FOR THE ENGINEER'S CONVENIENCE AND IS NOT INTENDED TO DEFINE A SUBCONTRACTOR'S SCOPE OF WORK. INFORMATION REGARDING INDIVIDUAL TRADES, SUBCONTRACTORS, MATERIAL SUPPLIERS AND VENDORS MAY BE DETAILLED, DESCRIBED AND INDICATED AT DIFFERENT LOCATIONS THROUGHOUT THE CONTRACT DOCUMENTS. NO CONSIDERATION WILL BE GIVEN TO REQUESTS FOR CHANGE ORDERS FOR FAILURE TO OBTAIN AND REVIEW THE COMPLETE SET OF CONTRACT DOCUMENTS WHEN PREPARING BIDS, PRICES AND QUOTATIONS, UNLESS STATED OTHERWISE, THE SUBDIVISION AND ASSIGNMENT OF WORK UNDER THE VARIOUS SECTIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR HOLDING THE PRIME CONTRACT.
- IT IS THE INTENTION OF THE CONTRACT DOCUMENTS TO CALL FOR A COMPLETE AND OPERATIONAL SYSTEM, INCLUDING ALL COMPONENTS, ACCESSORIES, FINISH WORK, ETC. NECESSARY FOR TROUBLE FREE OPERATION, TESTED AND READY FOR OPERATION. ANYTHING THAT MAY BE REQUIRED, IMPLIED, OR INFERRED BY THE CONTRACT DOCUMENTS SHALL BE PROVIDED AND INCLUDED AS PART OF THE BID.
- ALL CONTRACTORS AND VENDORS PROVIDING A BID FOR THIS PROJECT SHALL REVIEW THE PLANS AND SPECIFICATIONS AND DETERMINE ANY MODIFICATIONS AND/OR ADJUSTMENTS NECESSARY RELATIVE TO THE PROPOSED EQUIPMENT AND MATERIALS WITH SPECIFIC MANUFACTURER'S INSTALLATION REQUIREMENTS. INCLUDE IN THE BID ANY NECESSARY METHODS, FEATURES, OPTIONS, ACCESSORIES, ETC. NECESSARY TO INSTALL THE PROPOSED EQUIPMENT AND MATERIALS, REGARDLESS OF WHETHER USED AS BASIS OF DESIGN OR BEING OFFERED AS A SUBSTITUTION, IN ACCORDANCE WITH THE SPECIFIC MANUFACTURER'S INSTALLATION REQUIREMENTS, WHETHER SPECIFICALLY DETAILED OR NOT, WITHIN THE PLANS AND SPECIFICATIONS.
- THE BIDDER/PROPOSER SHALL COMPLETELY REVIEW THE CONTRACT DOCUMENTS. ANY INTERPRETATION AS TO DESIGN INTENT OR SCOPE SHALL BE PROVIDED BY THE ENGINEER. SHOULD ANY INTERPRETATION BE REQUIRED, THE BIDDER/PROPOSER SHALL REQUEST A CLARIFICATION NOT LESS THAN TEN (10) DAYS PRIOR TO THE SUBMISSION OF THE BID SO THAT THE CONDITION MAY BE CLARIFIED BY ADDENDUM. IN THE EVENT OF ANY CONFLICT, DISCREPANCY, OR INCONSISTENCY DEVELOPS, THE INTERPRETATION OF THE ENGINEER SHALL BE FINAL.
- THE CONTRACTOR SHALL PROVIDE LAYOUT CONFIRMATION OF EQUIPMENT LOCATIONS TO VERIFY THAT ALL COMPONENTS WILL FIT IN THE PROPOSED SPACE AND HAVE ADEQUATE CLEARANCE FOR SERVICES. COORDINATE THE LOCATION OF DRAINS, CONNECTIONS, ETC. PRIOR TO COMMENCING INSTALLATION. WORK NOT SO COORDINATED SHALL BE REMOVED AND PROPERLY INSTALLED AT THE EXPENSE OF THE RESPONSIBLE CONTRACTOR(S).
- EQUIPMENT AND MATERIAL SUBSTITUTIONS OR DEVIATIONS SHALL COMPLY WITH "GENERAL PROVISIONS - MECHANICAL PART 6." ANY VENDOR WISHING TO OBTAIN AN EQUIPMENT SUBSTITUTION SHALL REQUEST A CLARIFICATION NOT LESS THAN TEN (10) DAYS PRIOR TO THE SUBMISSION OF THE PROPOSAL SO THAT IT MAY BE CONSIDERED AND POTENTIALLY INCLUDED BY ADDENDUM. REQUESTS MADE AFTER THIS PERIOD WILL BE REJECTED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE REGARDLESS IF CONTRACTOR IS IGNORED BY CODES, RULES, REGULATIONS, LAWS, ETC. THE CONTRACTOR SHALL ALSO BE VERSED IN ALL CODES, RULES, REGULATIONS, LAWS, ETC. PERTINENT TO THEIR PART OF THE WORK PRIOR TO SUBMISSION OF THE PROPOSAL.
- ALL WARRANTIES SHALL BEGIN STARTING AT THE PROJECT'S SUBSTANTIAL COMPLETION DATE. ALL EQUIPMENT, MATERIAL AND LABOR WARRANTIES SHALL BE FURNISHED BY THE EQUIPMENT SUPPLIER/VENDOR.
- WHEREVER WORK PENETRATES ROOFING, IT SHALL BE DONE IN A MANNER THAT WILL NOT DIMINISH OR VOID THE ROOFING GUARANTEE OR WARRANTY IN ANY WAY. COORDINATE ALL SUCH WORK WITH THE ROOFING INSTALLER.
- DUCTWORK, PIPING AND EQUIPMENT SHALL BE KEPT CLEAN AT ALL TIMES. DUCTWORK STORED ON THE JOB SITE SHALL BE PLACED A MINIMUM OF 4" ABOVE THE FLOOR AND BE COMPLETELY COVERED IN PLASTIC. INSTALLED DUCTWORK SHALL BE PROTECTED WITH PLASTIC. DO NOT INSTALL THE DUCTWORK OR INSULATION (PIPE OR DUCT) IF THE BUILDING IS NOT "DRIED-IN". IF THIS IS REQUIRED, THE ENTIRE LENGTHS SHALL BE COVERED IN PLASTIC TO PROTECT. THE OWNER/ENGINEER SHALL PERIODICALLY INSPECT THAT THESE PROCEDURES ARE FOLLOWED. IF DEEMED UNACCEPTABLE, THE CONTRACTOR SHALL BE REQUIRED TO CLEAN THE DUCT SYSTEM UTILIZING A NADCA CERTIFIED CONTRACTOR.
- THE PERMANENT SYSTEMS, WHEN INSTALLED, MAY BE USED FOR TEMPORARY SERVICES WITH THE CONSENT OF THE ENGINEER AND IN STRICT ACCORDANCE WITH "GENERAL PROVISIONS - MECHANICAL - TEMPORARY USE OF EQUIPMENT."
- THE CONTRACTOR AND THEIR SUBCONTRACTORS SHALL INCLUDE IN THE BID TO PROVIDE EQUIPMENT AND CONTROLS STARTUP AND VERIFICATION FOR ALL MECHANICAL SYSTEMS SPECIFIED FOR THIS PROJECT AND IN STRICT ACCORDANCE WITH "GENERAL PROVISIONS - MECHANICAL - EQUIPMENT/CONTROLS STARTUP & VERIFICATION."
- THE CONTRACTOR SHALL DETERMINE FROM THE CONTRACT DOCUMENTS, THE DATE OF COMPLETION FOR THE PROJECT AND INSURE THAT EQUIPMENT DELIVERY SCHEDULES CAN BE MET SO AS TO ALLOW THIS COMPLETION TO BE MET.
- THROUGH COORDINATION WITH OTHER CONTRACTORS, VENDORS, AND SUPPLIERS ASSOCIATED WITH THIS PROJECT, THIS CONTRACTOR SHALL INSURE, 100% FUNCTIONAL, TESTED, INSPECTED AND APPROVED SYSTEMS. CLAIMS FOR ADDITIONAL COST OR CHANGE ORDERS WILL BE REJECTED.
- PRIOR TO ORDERING ANY MATERIALS OR ROUGH-IN OF ANY KIND, THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL COORDINATION OF ALL ELECTRICAL REQUIREMENTS (I.E. VOLTAGE, PHASE, CIRCUIT BREAKER, WIRE SIZING, ETC.) WITH THE ELECTRICAL CONTRACTOR. THERE WILL BE NO CHANGE IN THE CONTRACT AMOUNT FOR ANY DISCREPANCIES.
- ALL OFFSETS, TURNS, FITTINGS, TRIM, DETAIL, ETC., MAY NOT BE INDICATED, BUT SHALL BE PROVIDED AS REQUIRED. ADDITIONAL ALLOWANCES SHALL BE INCLUDED FOR SAME AT EACH PROPOSER'S DISCRETION.
- DO NOT SCALE FROM DRAWINGS, PRINTING DISTORTS SCALE. WORK SHALL BE LAID OUT FROM CONTRACTOR GENERATED DIMENSIONED DRAWINGS.
- THE CONTRACTOR SHALL ENSURE PROPER COORDINATION BETWEEN ALL TRADES SUCH THAT CONDUITS, PIPING, DUCTWORK, ETC. DOES NOT BLOCK ACCESS TO VALVES, EQUIPMENT, DUCT ACCESS DOORS, ETC. ITEMS THAT HAVE BEEN INSTALLED WHERE ACCESS IS COMPROMISED SHALL BE RELOCATED AT THE CONTRACTOR'S EXPENSE.
- THESE DRAWINGS ARE ACCURATE TO THE BEST OF OUR KNOWLEDGE, HOWEVER LOCATIONS AND SIZES WERE TAKEN FROM DIFFERENT SOURCES AND ARE SUBJECT TO DEVIATION. THE CONTRACTOR SHALL ASSUME SOME DEVIATIONS AND INCLUDE OFFSETS, ADDITIONAL PIPING, ETC. AT THE TIME OF BID.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED FOR THEIR WORK. ALL CUTTING AND PATCHING SHALL MATCH ADJACENT SURFACES AND PERFORMED BY SKILLED WORKERS OF THE TRADE. REFER TO SPECIFICATION SECTION "SEWING, CUTTING, PATCHING, REPAIRING, ETC." AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- ALL SUPPORTS FOR EQUIPMENT, DEVICES OR FIXTURES SHALL BE UNIQUE, FROM THE BUILDING STRUCTURE. DO NOT SUPPORT WORK FROM OTHER TRADES, EQUIPMENT OR SUPPORTS WITHOUT WRITTEN PERMISSION FROM THE ENGINEER AND CONSENT OF THE OTHER TRADE, IN WRITING.
- PRIOR TO PURCHASE OR FABRICATION OF PIPING, THE CONTRACTOR SHALL COORDINATE INSTALLATION WITH ACTUAL CONDITIONS AND INSTALL ACCORDINGLY.
- VALVES, BALANCING DAMPERS OR ANY MECHANICAL/ELECTRICAL ITEM SHALL NOT BE LOCATED ABOVE A HARD CEILING. IF THIS IS NOT POSSIBLE, THEN AN APPROPRIATELY SIZED ACCESS DOOR SHALL BE PLACED AT NO ADDITIONAL COST UNDER THE ITEM WHETHER SHOWN OR NOT ON THE PLANS TO ALLOW ACCESS AND ADJUSTMENT.
- THE CONTRACTOR SHALL VISIT THE SITE FOR EXACT LOCATIONS OF ALL WALL AND CEILING DEVICES. THIS SHALL INCLUDE PLUMBING FIXTURES, CEILING GRILLES AND DIFFUSERS, ETC.
- CONTRACTOR SHALL CLEAN UP CONSTRUCTION DEBRIS AT ALL TIMES DURING CONSTRUCTION.

GENERAL NOTES - DEMOLITION

- THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR AREAS IN WHICH THE CEILING IS REMAINING. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE EXISTING CEILING AS REQUIRED AND REINSTALLATION. TEMPORARILY SUPPORT LIGHTS, DIFFUSERS, CEILING ETC. REPLACE BROKEN CEILING TILES WITH NEW AT NO ADDITIONAL COST TO OWNER. FIELD VERIFY EXACT REQUIREMENTS.
- ALL OUTAGES SHALL BE SCHEDULED THROUGH THE PROJECT REPRESENTATIVE FOR PROPER COORDINATION. A REQUEST FOR AN OUTAGE SHALL BE SUBMITTED IN WRITING A MINIMUM OF TWO WEEKS IN ADVANCE.
- DURING SPRINKLER SYSTEM OUTAGES THE CONTRACTORS SHALL PROVIDE FIRE WATCH OF AREAS WITH OUTAGES.
- ALL WALLS AND FLOOR SLABS SHALL BE REPAIRED TO MATCH EXISTING AND TO A LIKE NEW CONDITION. ALL RATED WALLS AND FLOOR SLABS SHALL BE PATCHED AND REPAIRED TO MAINTAIN RATING.
- ALL EXISTING BUILDING FINISHES SHALL BE PROTECTED DURING THE DEMOLITION PHASE.
- HEAVY DASHED LINES INDICATE ITEMS FOR REMOVAL (U.C.N) AND LIGHT SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.
- COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED FOR DEMOLITION) WITH THE OWNER.

ABBREVIATIONS

ADJ	ADJUSTABLE
AFB	ABOVE FINISHED FLOOR
AFR	ABOVE FINISHED ROOF
APD	AIR PRESSURE DROP
AVG	AVERAGE
BAS	BUILDING AUTOMATION SYSTEM
BHP	BREAK HORSEPOWER
BTU	BRITISH THERMAL UNIT
CAV	CONSTANT AIR VOLUME
CFM	CUBIC FEET PER MINUTE
CO	CARBON MONOXIDE
CO2	CARBON DIOXIDE
DB	DRY BULB
DOC	DIRECT DIGITAL CONTROLS
DN	DOWN
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
ESP	EXTERNAL STATIC PRESSURE
ETR	EXISTING TO REMAIN
EWT	ENTERING WATER TEMPERATURE
FA	FREE AREA
FD	FIRE DAMPER
FLA	FULL LOAD AMPS
FPC	FIRE PROTECTION CONTRACTOR
FFM	FEET PER MINUTE
FPS	FEET PER SECOND
FSD	FIRE SMOKE DAMPER
GAL	GALLON (-S)
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
GR	GRAINS
HD	HEAD
HP	H (-ORSEPOWER, -EAT PUMP)
ID	I (-IDENTIFICATION, -NSIDE DIAMETER, -NSIDE DIMENSION)
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
MBH	BTU PER HOUR [THOUSANDS]
MCA	MINIMUM CIRCUIT AMPS
MFG	MANUFACTURER
MOPC	MAXIMUM OVERCURRENT PROTECTION [AMPS]
NC	NOISE CRITERIA OR NORMALLY CLOSED

ABBREVIATIONS (CONTINUED)

NO	NORMALLY OPEN OR NUMBER
NTS	NOT TO SCALE
OD	OUTSIDE DI (-AMETER, -MENSION)
OFCL	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
PC	PLUMBING CONTRACTOR
PD	PRESSURE DROP
PH	PHASE [ELECTRICAL]
PPM	PARTS PER MILLION
PRS	PRESSURE REDUCING STATION
PRV	PRESSURE REDUCING VALVE (STEAM, WATER, GAS)
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	PSI GAUGE
RH	RELATIVE HUMIDITY [%]
RPM	REVOLUTIONS PER MINUTE
SD	SMOKE DAMPER
SP	STATIC PRESSURE
SQ FT	SQARE FEET OR FOOT
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
V	VOLT (-AGE, -S)
VAR	VARI (-ABLE, -IES)
VAV	VARIABLE AIR VOLUME
VEL	VELOCITY
VFD	VARIABLE FREQUENCY DRIVE
W	WATT (-AGE, -S)
WB	WET BULB
WPD	WATER PRESSURE DROP
ΔP	DIFFERENTIAL PRESSURE
ΔT	TEMPERATURE DIFFERENCE
℄	CENTERLINE

GENERAL SYMBOLS

	TAGGED NOTE DESIGNATOR
	REVISION TRIANGLE
	ROOM TAG
	EQUIPMENT TAG
	POINT OF CONNECTION / CONNECT TO EXISTING
	POINT OF DEMOLITION

HVAC LEGEND

	SUPPLY AIR DIFFUSER
	RETURN AIR GRILLE
	EXHAUST AIR DIFFUSER
	TRANSFER AIR GRILLE W/ SOUND ATTENUATING BOOT
	SIDEWALL DIFFUSER/GRILLE
	AIR DEVICE TAG (REGISTER, GRILLE, DIFFUSER, LOUVER)
	RECTANGULAR DUCT
	ROUND/SPIRAL DUCT
	FLAT OVAL DUCT
	SUPPLY AIR DUCT
	RETURN AIR DUCT
	EXHAUST AIR DUCT
	OUTSIDE AIR DUCT
	TRANSFER AIR DUCT
	COMBUSTION AIR EXHAUST DUCT
	COMBUSTION AIR INTAKE DUCT
	SA AIR DUCT TURNING UP
	SA AIR DUCT TURNING DOWN
	RA AIR DUCT TURNING UP
	RA AIR DUCT TURNING DOWN
	EA AIR DUCT TURNING UP
	EA AIR DUCT TURNING DOWN
	EXISTING DUCT - (XXX) DENOTES SYSTEM
	DUCT TO BE DEMOLISHED - (XXX) DENOTES SYSTEM
	DUCT TO BE ABANDONED IN PLACE - (XXX) DENOTES SYSTEM
	MITERED ELBOW WITH TURNING VANES
	FLEXIBLE DUCT
	THERMOSTAT
	TEMPERATURE SENSOR
	HUMIDITY SENSOR
	CARBON DIOXIDE SENSOR
	TEMPERATURE & CARBON DIOXIDE SENSOR
	MANUAL BALANCING/VOLUME DAMPER
	MOTORIZED DAMPER

MECHANICAL PIPING LEGEND

	PIPE ELBOW TURNING UP
	PIPE ELBOW TURNING DOWN
	PIPE TEE, CONNECTION ON TOP
	PIPE TEE, CONNECTION ON BOTTOM
	PIPE CAP
	CONDENSATE DRAIN
	CHILLED WATER SUPPLY/RETURN
	CONDENSER WATER SUPPLY/RETURN
	DUAL TEMP. WATER SUPPLY/RETURN
	GEOTHERMAL WATER SUPPLY/RETURN
	HIGH PRESSURE STEAM CONDENSATE
	HIGH PRESSURE STEAM; (#) DENOTES PRESSURE
	HEAT PUMP WATER SUPPLY/RETURN
	HEAT RECOVERY SUPPLY/RETURN PIPING
	HEATING WATER SUPPLY/RETURN
	LOW PRESSURE STEAM CONDENSATE
	LOW PRESSURE STEAM; (#) DENOTES PRESSURE
	MEDIUM PRESSURE STEAM RETURN
	MEDIUM PRESSURE STEAM; (#) DENOTES PRESSURE
	STEAM VENT PIPING
	PIPING TO BE DEMOLISHED - (XXX) DENOTES SYSTEM
	EXISTING PIPING - (XXX) DENOTES SYSTEM

NOTE: NOT ALL SYMBOLS AND ABBREVIATIONS MAY BE USED ON THIS PROJECT

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308 Culvert Street Suite 109
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DATE: 03/20/2023
PROJECT NO.: 105201
DESIGNED BY: TJA
DRAWN BY: BER
CHECKED BY: BER
PROJECT MANAGER: TJA
SHEET SIZE: 30x42
PLOT SCALE: 1/8" = 1'-0"
FILE NAME:

CLARK STATE RHODES HALL
570 LEFFEL LN
SPRINGFIELD, OH 45505

MECHANICAL LEGEND

DESCRIPTION

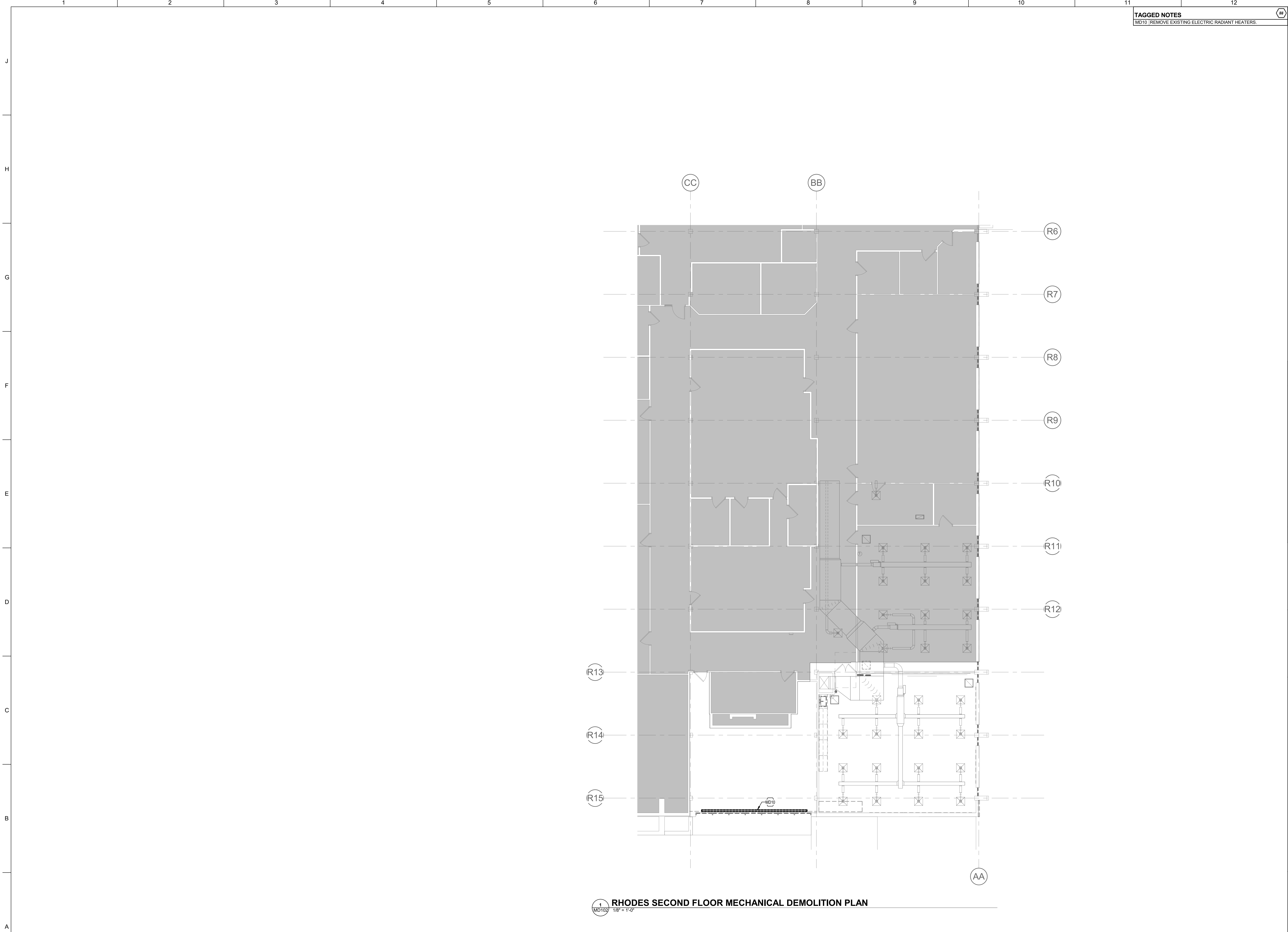
MARK

THOMAS ANDERSON
REGISTERED PROFESSIONAL ENGINEER
PE 85520

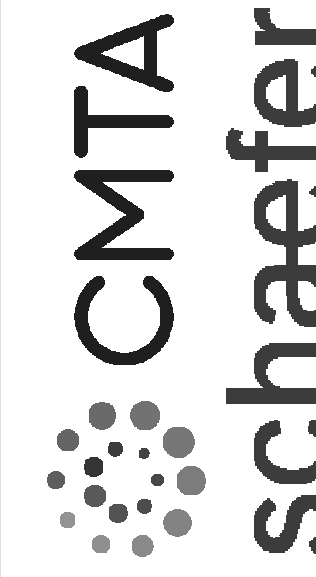
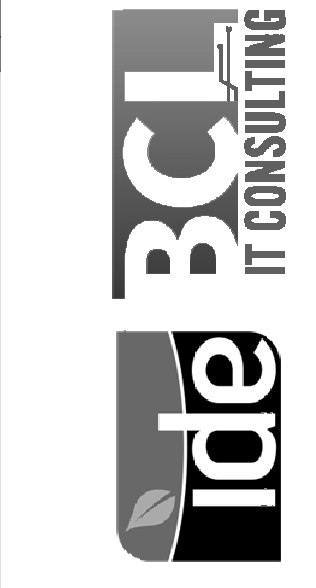
SHEET IDENTIFICATION

MOO0

ISSUED FOR PERMIT - MARCH 13, 2023



1 RHODES SECOND FLOOR MECHANICAL DEMOLITION PLAN
MD102 1/8" = 1'-0"



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 ARCHITECTURE emerson DESIGN LLC
 INTERIORS 300 Culvert Street Suite 100
 SUSTAINABILITY Cincinnati, Ohio 45202
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MARK	DESCRIPTION	DATE

DESIGNED BY: TJA	CHECKED BY: BER	DATE: 03/13/2023	PROJECT NO.:
DRAWN BY: TJA	PROJECT MANAGER:	ISSUED:	252201
SHEET SIZE: 30x42	FILE NAME:	PLOT SCALE: 1/8" = 1'-0"	

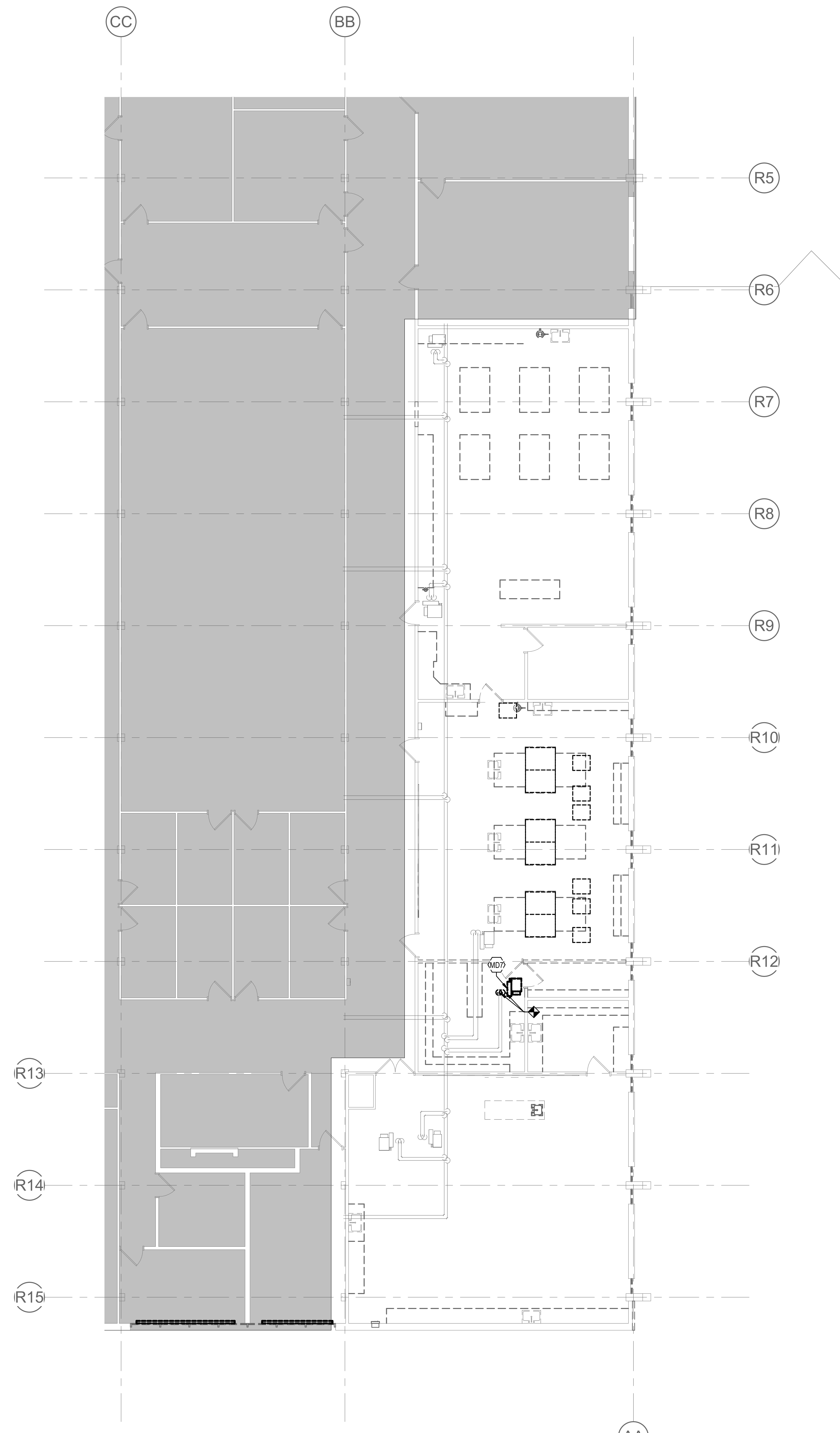
CLARK STATE RHODES HALL
 570 LEFFEL LN
 SPRINGFIELD, OH 45505
SECOND FLOOR MECHANICAL DEMO PLANS



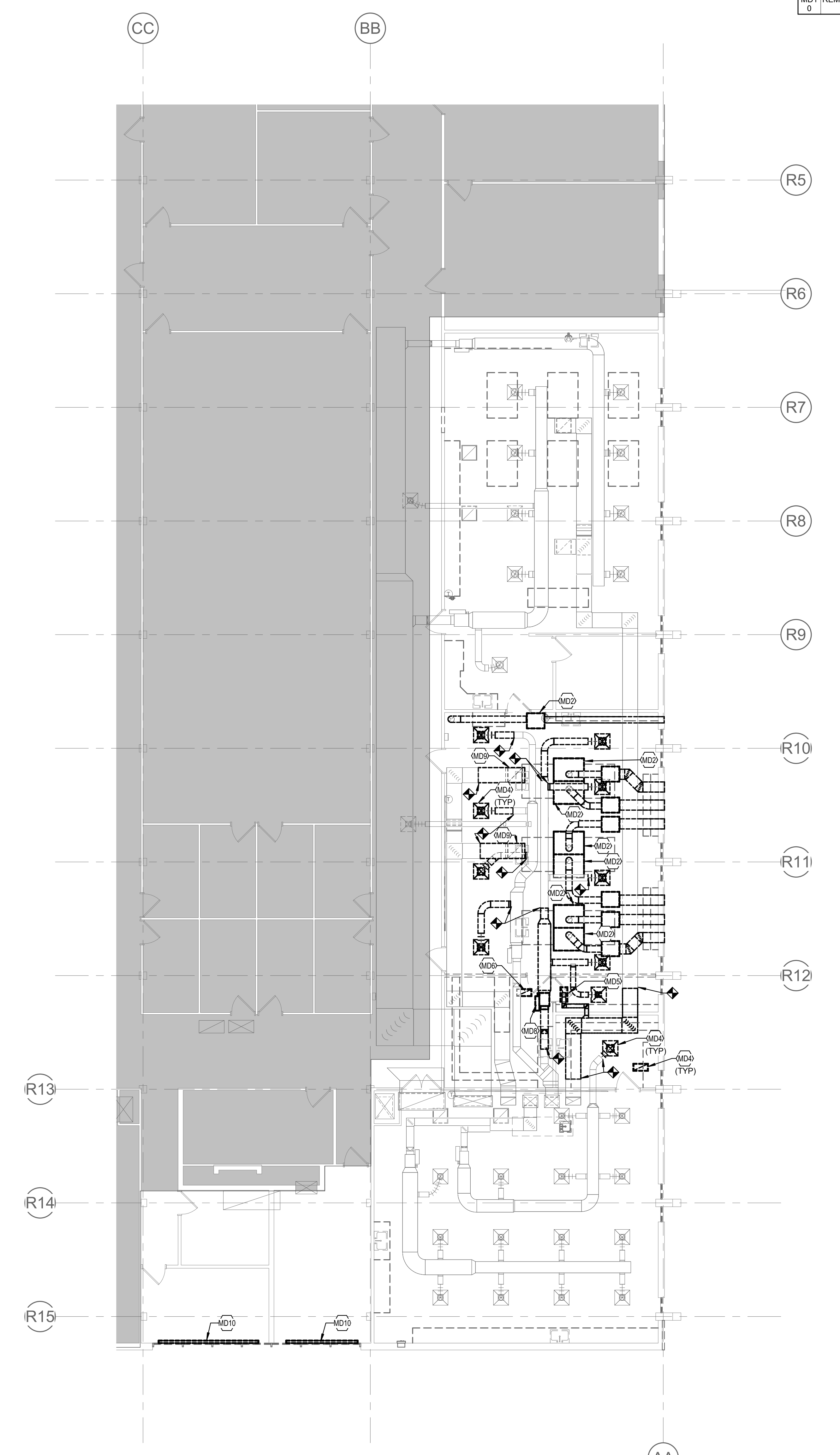
SHEET IDENTIFICATION
MD102

GENERAL NOTE:
 1. CONTRACTOR TO PROVIDE A PERBALANCE OF SUPPLY AND EXHAUST DUCTWORK THAT IS BEING TOUCHED INCLUDING AIR FLOWS AT VAV BOXES AND EXHAUST DUCTWORK.

TAGGED NOTES	
MD2	REMOVE FUME HOOD, DUCTWORK, AND EXHAUST FAN. REMOVE LOUVER AT EXTERIOR WALL AND PATCH TO MATCH SURROUNDING AREA.
MD4	REMOVE SUPPLY DIFFUSER, FLEX DUCT, AND DUCTWORK BACK TO POINT OF DEMOLITION. PATCH DUCTWORK AND INSULATION AS NEEDED. SAVE DIFFUSER FOR REUSE IN NEW LOCATION.
MD5	REMOVE EXHAUST GRILLE AND DUCTWORK BACK TO POINT OF DEMOLITION.
MD6	REMOVE EXISTING TRANSFER GRILLE.
MD7	MOVE VAV BOX, STRAINER, CONTROL VALVE, FLEX CONNECTION, ECT. TO THE LOCATION SHOWN ON THE NEW WORK PLAN. REMOVE PIPING FROM VAV BOX AND EXTEND TO VAV LOCATION ON NEW WORK PLAN.
MD8	REMOVE AND SAVE VAV FOR RELOCATION. REMOVE DUCTWORK TO POINT OF REMOVAL.
MD9	REMOVE AND SAVE EXISTING EXHAUST GRILLE. REMOVE DUCTWORK BACK TO POINT OF REMOVAL.
MD10	REMOVE EXISTING ELECTRIC RADIANT HEATERS.



1 RHODES 3RD FLOOR HYDRONIC DEMOLITION PLAN
 1/8" = 1'-0"



2 RHODES THIRD FLOOR MECHANICAL DEMOLITION PLAN
 1/8" = 1'-0"

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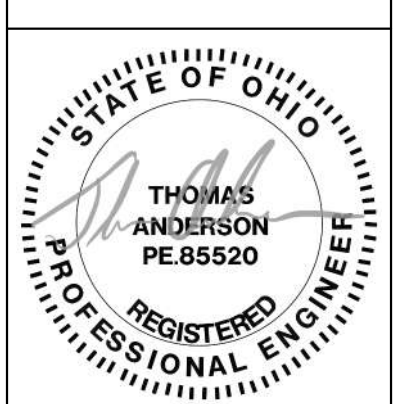
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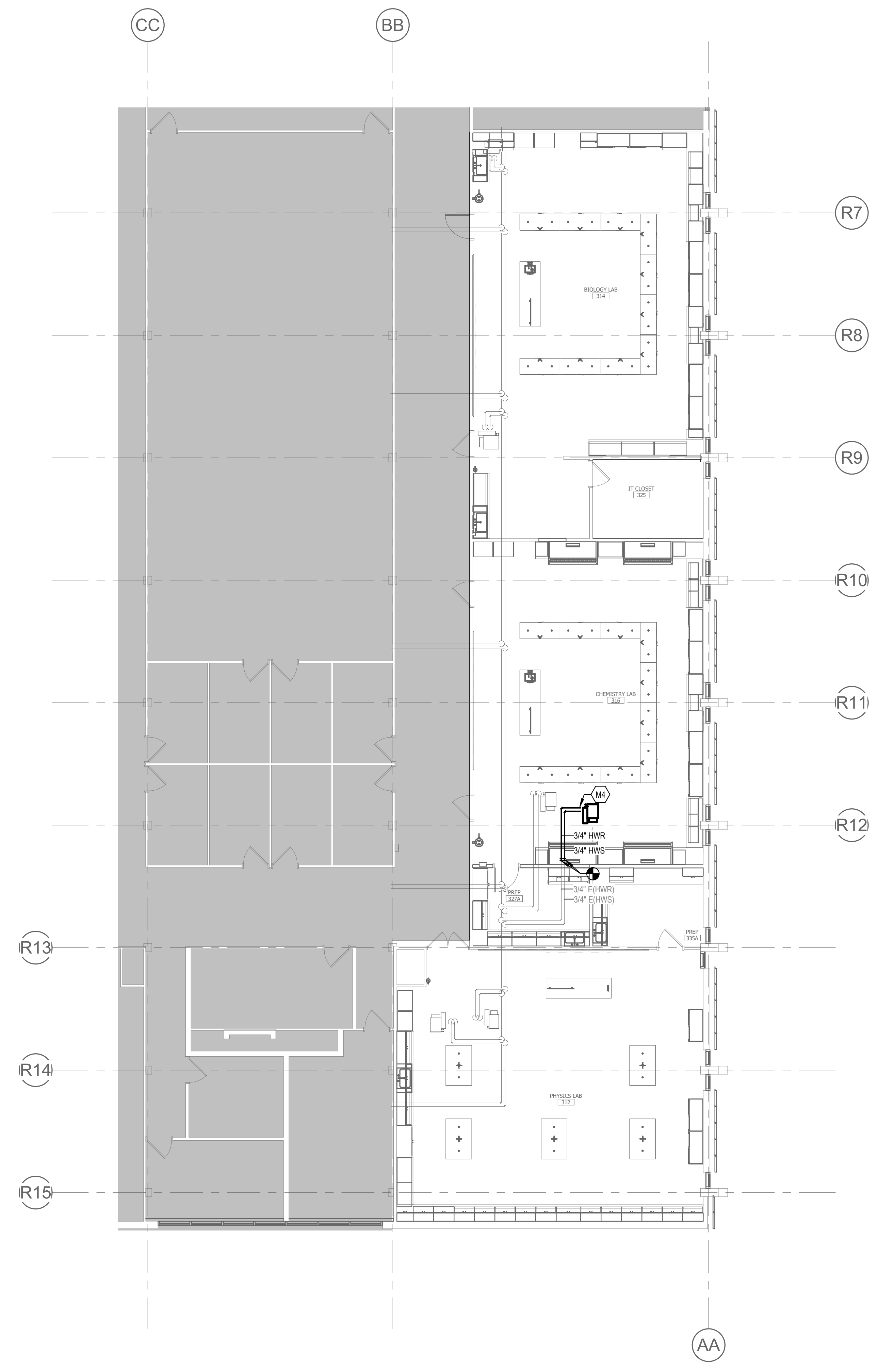
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FILE NAME:			

CLARK STATE RHODES HALL
 570 LEFFEL LN
 SPRINGFIELD, OH 45505

THIRD FLOOR MECHANICAL DEMO PLANS



SHEET IDENTIFICATION
 MD103



2 RHODES 3RD FLOOR HYDRONIC PLAN
1/8" = 1'-0"



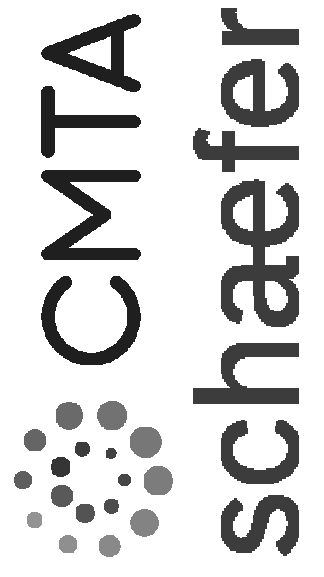
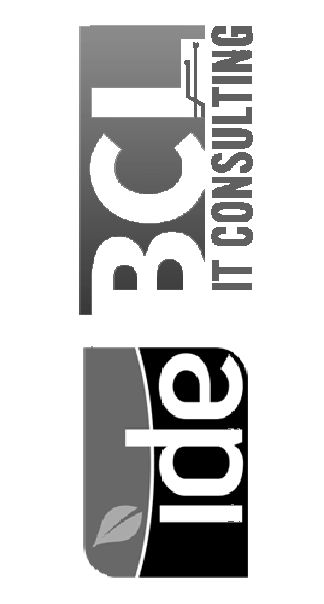
1 RHODES THIRD FLOOR MECHANICAL PLAN
1/8" = 1'-0"

TAGGED NOTES

- M2 INSTALL A FIBERGLASS MOTORIZED DAMPER BEFORE ROOF PENETRATION. BASIS OF DESIGN DAMPER IS A MK PLASTICS K-PD OR APPROVED EQUAL. PROVIDE 120 VOLT DAMPER ACTUATOR AND END SWITCH.
- M4 EXTEND HYDRONIC PIPING FROM MAIN TO VAV BOX. MOVE ALL ACCESSORIES INCLUDING STRAINER, CONTRL VALVE, FLEX CONNECTIONS, ECT. FROM EXISTING EQUIPMENT.
- M6 12" DUCT CONNECTION TO HOOD. PROVIDE FIBERGLASS BALANCE DAMPERS AT EACH HOOD. BASIS OF DESIGN IS MK PLASTICS K-RD-501. BALANCE EACH HOOD TO 745 CFM WHICH PROVIDES 100 FPM OF AIR VELOCITY WITH AN 18" HIGH SASH.
- M7 REPLACING EXISTING EXHAUST DUCTWORK SO THAT IT IS TIGHT TO STRUCTURE.
- M8 RELOCATED SUPPLY DIFFUSER TO THIS LOCATION. BALANCE TO SHOWN CFM.
- M9 RELOCATE EXISTING VAV BOX TO THIS NEW LOCATION.
- M10 RELOCATED EXISTING EXHAUST GRILLES TO THIS LOCATION. BALANCE TO SHOWN CFM.
- M11 PROVIDE MOTORIZED DAMPER IN TRANSFER DUCT. REFER TO ELECTRICAL PLANS FOR CONTROL. DAMPER TO OPEN WHEN FUME HOODS ARE IN USE AND TO BE CLOSED THE REST OF THE TIME.

RGD RUNOUT SCHEDULE

MARK	DUCT BRANCH SIZE
E-1	6"Ø
EX-R	10"Ø
S-1	6"Ø
T-1	N/A



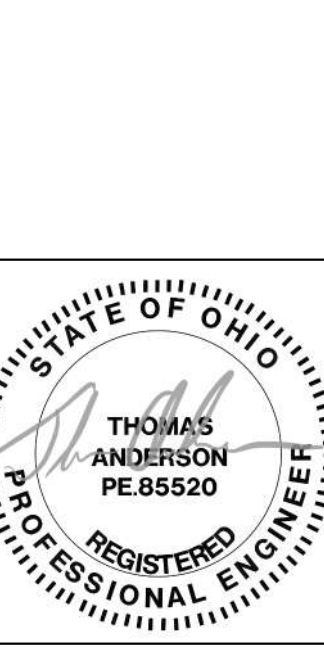
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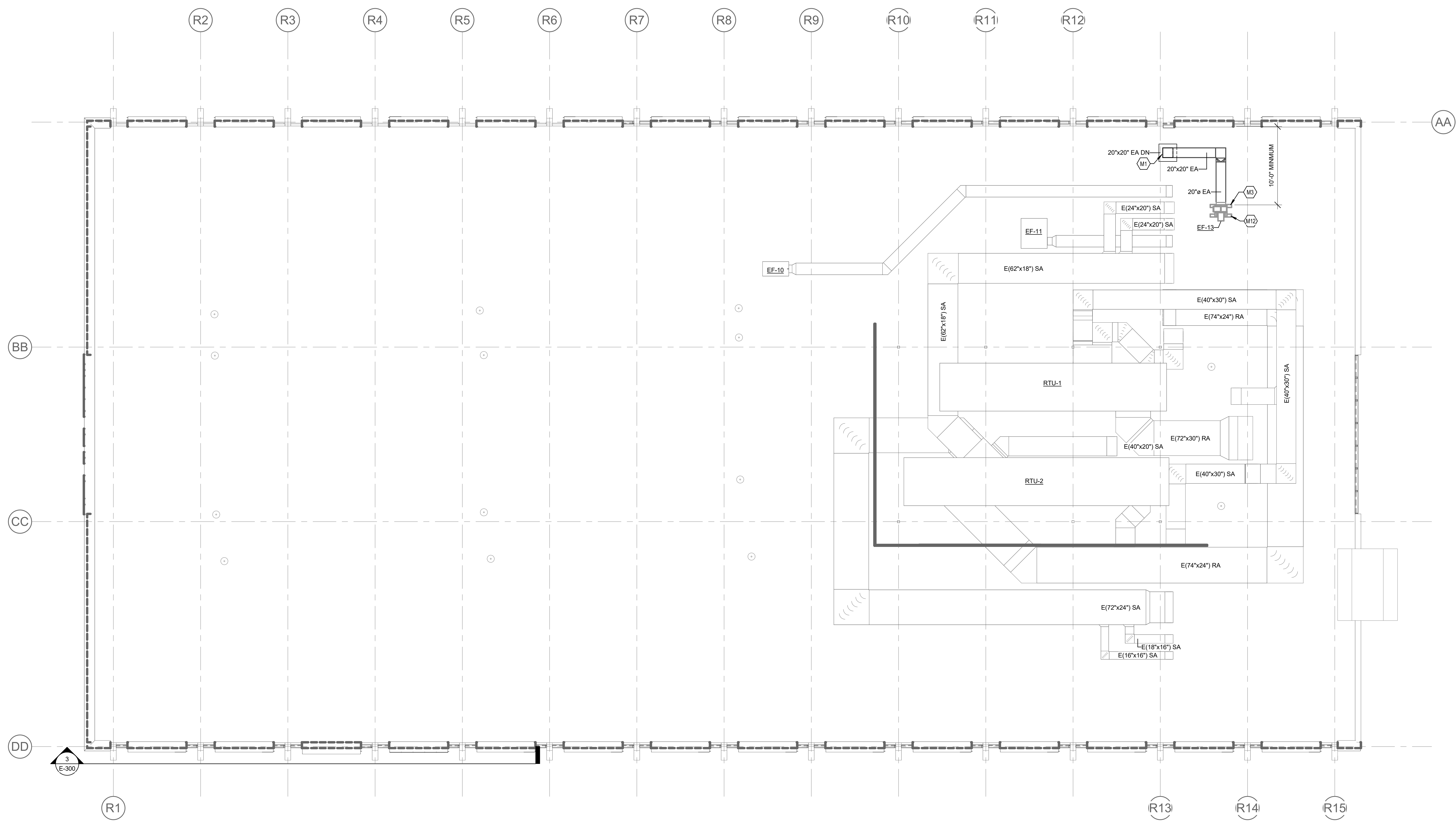
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CLARK STATE RHODES HALL
 570 LEFFEL LN
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 MECHANICAL PLANS



SHEET IDENTIFICATION
M103



TAGGED NOTES

M1 DUCTWORK TO COME UP THROUGH EXISTING STRUCTURAL SUPPORT. REFER TO STRUCTURAL DRAWINGS. PROVIDE A CURB FOR DUCTWORK UP THROUGH ROOF. CURB TO BE FLASHED IN WATER TIGHT. ALL ROOF WORK TO BE COORDINATED WITH THE ROOFING MANUFACTURER AND WARRANTY. REFER TO ARCHITECTURAL PLANS.

M3 EXHAUST FAN TO BE INSTALLED ON UNIT SUPPORT RAILS THAT ARE FLASHED INTO THE EXISTING ROOM. ALL ROOF WORK TO BE COORDINATED WITH THE ROOFING MANUFACTURER AND WARRANTY. MANUFACTURER TO PROVIDED VIBRATION ISOLATION BETWEEN THE EQUIPMENT SUPPORT RAILS AND THE EXHAUST FAN.

M12 FAN TO BE A MINIMUM OF 2' AWAY FROM ANY OUTSIDE AIR INTAKES.

1 M104 RHODES MECHANICAL ROOF PLAN
1/8" = 1'-0"

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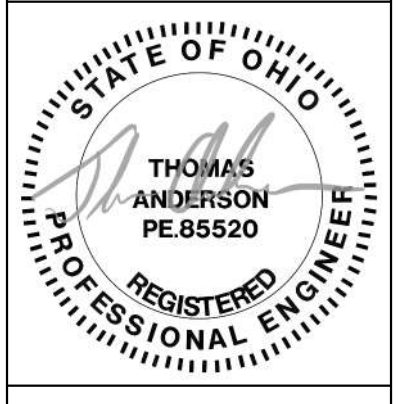
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CLARK STATE RHODES HALL
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MECHANICAL ROOF PLAN



SHEET IDENTIFICATION
M104

EXHAUST FAN SCHEDULE

MARK	MANUFACTURER	MODEL #	SERVICE	TYPE	EQUIPMENT WEIGHT (LB)	UNIT TOTAL HEIGHT	EFFECTIVE PLUME HT. (FT.)	AIRFLOW (CFM)	E.S.P.	DRIVE	DESIGN OPERATING RPM	FAN HP	ELECTRICAL DATA				REMARKS
													VOLTAGE	PHASE	HZ	SONES	
EF-13	GREENHECK	FJI-15-BI-X	CHEMISTRY FUME HOODS	CENTRIFUGAL FUME EXHAUST FAN	320	10'-0"	21.58	2980	1.00	VFD	1824	1.5	208 V	3	60	21	1-9

- REMARKS:
1. BASIS OF DESIGN IS GREENHECK AND APPROVED EQUALS ARE COOK AND TWINCITY FANS.
 2. FAN TO BE PROVIDED WITH VFD. VFD TO MOUNT TO THE FAN FRAME IN A NEMA 4X ENCLOSURE.
 3. FAN TO HAVE A HI-PRO POLYESTER COATING FOR PROTECTION FROM CORROSIVE ENVIRONMENT.
 4. FAN TO BE UL LISTED.
 5. PROVIDE MANUFACTURERS EQUIPMENT SUPPORTS.
 6. PROVIDE VIBRATION ISOLATION BETWEEN FAN AN SUPPORTS PER MANUFACTURERS RECOMMENDATION.
 7. FAN TO BE PROVIDED WITH A STACK THAT MEETS THE PLUME HEIGHT REQUIREMENTS. CONTRACTOR TO SUPPORT THE STACK BACK TO THE STRUCTURE WITH GUY WIRES.
 8. FAN TO BE PROVIDED WITH 1 YEAR WARRANTY FROM SUBSTANTIAL COMPLETION.
 9. REFER TO ELECTRICAL DRAWING FOR CONTROL REQUIREMENTS OF THE FAN.

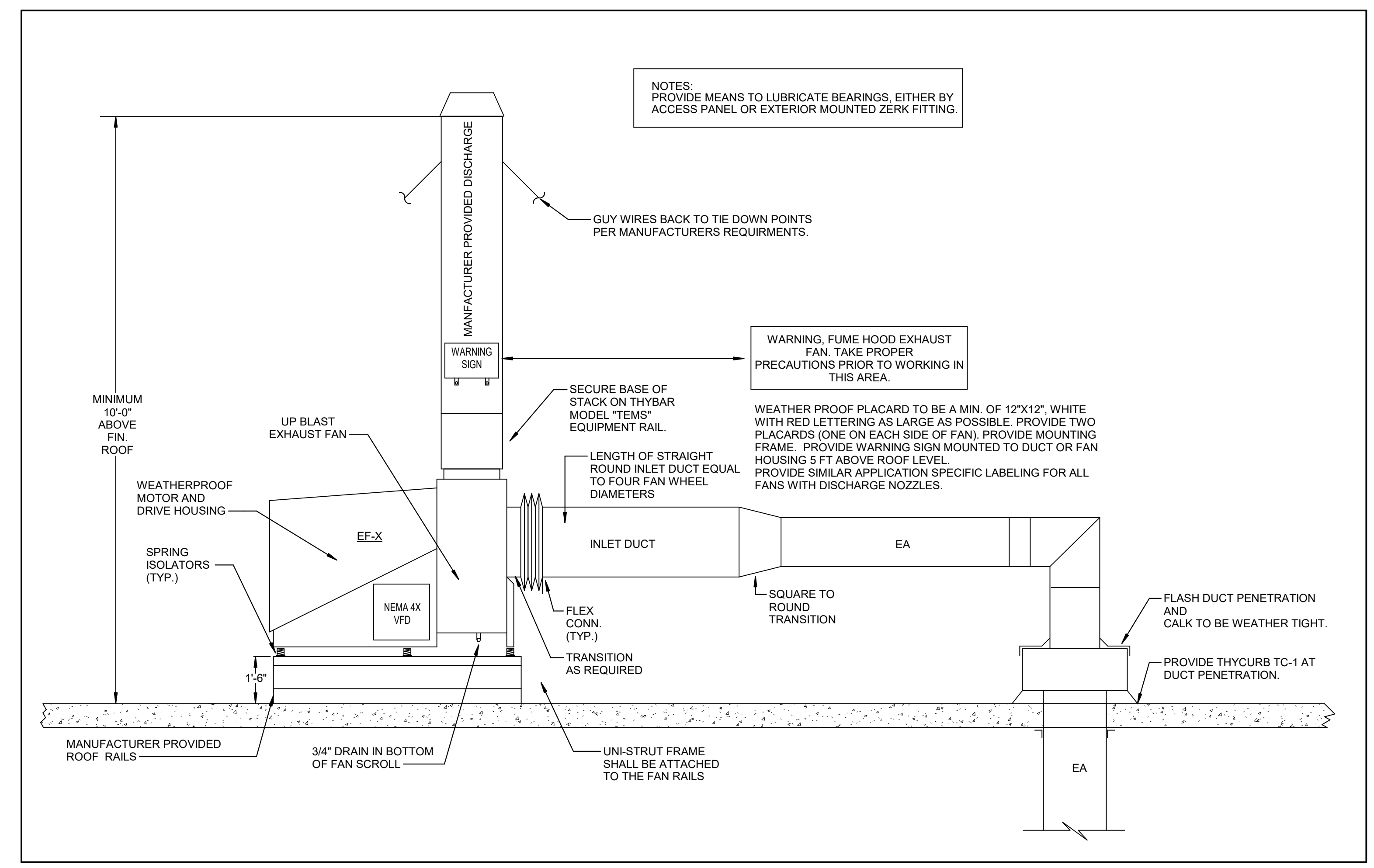
REGISTERS, GRILLES, AND DIFFUSERS

MARK	MANUFACTURER	MODEL #	TYPE	GRILLE SIZE	PANEL SIZE	DUCT INLET SIZE	DUCT BRANCH SIZE	MAX CFM	P.D.	NOISE CRITERIA	THROW PATTERN	REMARKS
E-1	PRICE	535	LOUVERED FACE TRANSFER	22"x22"	24"x24"	6"Ø	6"Ø	100	0.05	25	N/A	1.2
S-1	PRICE	SPD	SQUARE PLAQUE DIFFUSER	24"x24"	24"x24"	6"Ø	6"Ø	100	0.05	25	4-WAY	1.2
T-1	PRICE	535	LOUVERED FACE TRANSFER	22"x22"	24"x24"	N/A	N/A	1200	0.05	25	N/A	1.2

- REMARKS:
1. WHITE IN COLOR.
 2. COORDINATE MOUNTING TYPE WITH ARCHITECTURAL CEILING PLANS.

SEQUENCE OF OPERATIONS

- Master Gas Valve Control**
1. This sequence is for the master gas control valve that is located in the ceiling above the geology lab. Refer to plumbing drawings P102.
 2. The master gas valve to be open during scheduled periods. Schedule to be Monday-Friday from 8am to 5pm. Schedule to be easily modified by user. Final schedule to be coordinated with college.
 3. Control of the valve to be integrated into existing Siemens control system. Valve location to be shown on graphics with status of open or closed.



UTILITY SET EXHAUST FAN DETAIL
1/2000 NOT TO SCALE

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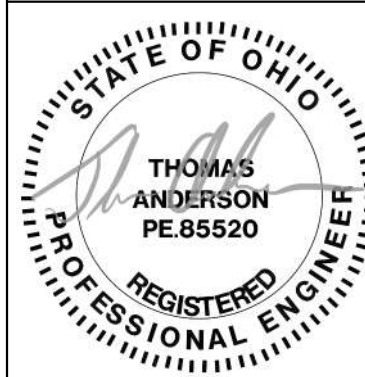
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CLARK STATE RHODES HALL
570 LEFFEL LN
SPRINGFIELD, OH 45505
MECHANICAL SCHEDULE AND DETAILS



SHEET IDENTIFICATION
M200

ELECTRICAL GENERAL NOTES:

- A. EACH CONTRACTOR, PROPOSER, SUPPLIER AND/OR MANUFACTURER SHALL REFER TO ALL DOCUMENTS PERTAINING TO THIS PROJECT AND COORDINATE ACCORDINGLY SO AS TO ENSURE ADEQUACY OF FIT, COMPLIANCE WITH SPECIFICATIONS, PROPER VOLTAGE AND CURRENT CHARACTERISTICS TO AVOID CONFLICT WITH ANY OTHER BUILDINGS SYSTEMS; VERIFY SAME WITH SHOP DRAWINGS.
- B. ADDITIONAL ELECTRICAL REQUIREMENTS MAY BE SHOWN ON PLANS FROM OTHER DISCIPLINES IN THIS SET. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL PLANS AND SPECIFICATIONS FOR A COMPLETE UNDERSTANDING OF THE PROJECT REQUIREMENTS.
- C. WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ALL LOCAL, STATE, AND NATIONAL CODES, INCLUDING BUT NOT LIMITED TO NFPA 70 (NEC), NFPA 72, INTERNATIONAL BUILDING CODES, ETC.
- D. CONTRACTOR SHALL FOLLOW SPECIFIC RESTRAINT AND DESIGN REQUIREMENTS CONTAINED IN LATEST ADOPTED STATE AND INTERNATIONAL BUILDING CODES, WITH ALL AMENDMENTS AS ADOPTED BY THE CURRENT LEGISLATION. REFER TO ELECTRICAL AND STRUCTURAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- E. ALL OFFSETS, TURNS, FITTINGS, TRIM, DETAIL, ETC. MAY NOT BE INDICATED, BUT SHALL BE PROVIDED AS REQUIRED. ADDITIONAL ALLOWANCES SHALL BE INCLUDED FOR SAME AT EACH PROPOSER'S DISCRETION. INSTALL NO PIPING, CONDUIT, OR OTHER WORK ETC. IN A LOCATION OR IN A MANNER WHICH WILL ALLOW FREEZING OR THE COLLECTION OF CONDENSATION THEREON. IF IN DOUBT, CONTACT THE ENGINEER.
- F. ADVISE THE ENGINEER OF ANY CONFLICTS, ERRORS, OMISSIONS, ETC. AT LEAST TEN DAYS PRIOR TO BID DATE. TO ALLOW CLARIFICATION BY WRITTEN ADDENDUM.
- G. WHERE CONFLICTS ARE FOUND BETWEEN DRAWINGS, DETAILS, OR SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT SHALL APPLY. NOTIFY ARCHITECT OF DISCREPANCY IN WRITING.
- H. DEVIATION FROM SPECIFICATIONS OR PLANS REQUIRES PRIOR WRITTEN APPROVAL FROM THE ENGINEERS AND MUST BE SUBMITTED IN WRITING NO LATER THAN TEN DAYS PRIOR TO THE BID DATE.
- I. OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS THAT MAY APPLY TO THE WORK UNDER THIS CONTRACT. (CITY, COUNTY, LOCAL, STATE, FEDERAL, MUNICIPALITY, OSHA, ETC.)
- J. MOUNTING HEIGHTS FOR WALL MOUNTED DEVICES INDICATED ABOVE FINISHED FLOOR ARE TO CENTER OF DEVICE UNO. MOUNTING HEIGHTS TO CEILING SUSPENDED DEVICES ARE TO BOTTOM OF DEVICE UNO.
- L. INSTALL EQUIPMENT IN ACCORDANCE WITH THE DESIGN INDICATED IN CONTRACT DOCUMENTS. RECOMMENDATIONS AND DIRECTIONS. IF IN CONFLICT WITH THE DESIGN INDICATED IN CONTRACT DOCUMENTS, ADVISE THE ENGINEER PRIOR TO INSTALLATION FOR CLARIFICATION.
- M. DO NOT RECESS PANELBOARD MOUNTED EQUIPMENT IN WALLS THAT HAVE A FIRE RATING. NO INSTALLATION SHALL DIMINISH OR VOID FIRE RESISTIVE RATINGS IN ANYWAY.
- N. THE PURPOSE AND INTENT OF ALL OF THE DOCUMENTS PERTAINING TO THIS PROJECT IS TO PROVIDE A COMPLETE, FUNCTIONAL SAFETY LIKE-NETWORK FACILITY. ANYTHING LESS SHALL BE UNACCEPTABLE.
- O. ALL SYSTEMS, EQUIPMENT AND MATERIALS ARE TO BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. WORK NOT MEETING THIS CRITERION SHALL BE REMOVED AND REINSTALLED SATISFACTORILY. FINAL DETERMINATION OF THE QUALITY OF WORK RESIDES WITH THE ENGINEER.
- P. ALL WORK, MATERIALS, EQUIPMENT, ETC. SHALL BE FULLY GUARANTEED FOR ONE FULL CALENDAR YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION AS DOCUMENTED BY THE ENGINEER, UNLESS LONGER WARRANTY PERIODS ARE SPECIFIED.
- Q. UNLESS OTHERWISE SPECIFIED OR INDICATED, ALL EQUIPMENT AND/OR MATERIALS WITHIN OCCUPIED SPACES OR EXPOSED TO VIEW ON THE BUILDING EXTERIOR SHALL BE PRIMED AND FINISHED SO AS TO COMPLETE ADJACENT SURFACE, UNLESS OTHERWISE NOTED. COORDINATE WORK AND COLORS WITH ARCHITECT.
- R. WHERE PENETRATING ROOFING MEMBRANE OR OTHER MATERIALS USED FOR WEATHERPROOFING THE BUILDING, MAKE SURE THAT THEY WILL NOT VOID OR DIMINISH THE ROOFING WARRANTY OR INTEGRITY IN ANYWAY. COORDINATE ALL SUCH PENETRATIONS WITH THE ROOFING MANUFACTURER AND ARCHITECT.
- S. COORDINATE WITH ARCHITECTURAL FLOOR PLANS, ELEVATIONS AND CASEWORK DETAILS FOR LOCATION OF ADDITIONAL RECEPTACLES, UTILITY OUTLETS, ELECTRICAL DEVICES, ETC.
- T. CEILING-MOUNTED ELECTRICAL DEVICES SHALL BE CENTERED IN 2'X2' CEILING TILE AND INSTALLED CENTERED ON 2" TILE AND ON CENTERLINE OR A QUARTER POINT ON 4" DIMENSION.
- U. ANY VIBRATING, OSCILLATING OR OTHER NOISE OR MOTION PRODUCING EQUIPMENT SHALL BE ISOLATED FROM SURROUNDING SYSTEMS IN AN APPROVED MANNER. NOISY OR STRUCTURALLY DAMAGING INSTALLATIONS SHALL BE REPLACED OR REPAIRED AT THE INSTALLING CONTRACTOR'S EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF A PARTICULAR INSTALLATION'S ACCEPTABILITY SHALL BE THAT OF THE ENGINEER.
- V. CHECK ALL THREE PHASE MOTORS WITH A PHASE ROTATION METER. PRIOR TO PLACING IN SERVICE.
- W. PROVIDE DETAILED SHOP DRAWINGS TO ENGINEER PRIOR TO PURCHASING OR INSTALLING ANY EQUIPMENT.
- X. DEVIATIONS IN SIZES, CAPACITIES, FIT/ FINISH, ETC. FOR EQUIPMENT FROM THAT PRIME SPECIFIED SHALL BE THE RESPONSIBILITY OF THE PURCHASER. THAT EQUIPMENT, ANY PROVISIONS REQUIRED TO ACCOMMODATE A DEVIATION, WHETHER APPROVED BY THE ENGINEER OR NOT, SHALL BE THE RESPONSIBILITY OF THE PURCHASER.
- Y. THE CONSTRUCTION MANAGER, GENERAL CONTRACTOR, OR WHOMEVER HOLDS THE PRIME CONTRACT(S) FOR THIS CONSTRUCTION IS RESPONSIBLE FOR THE COORDINATION, APPEARANCE, SCHEDULING AND TIMELINESS OF THE WORK OF ALL TRADES, CONTRACTORS, SUPPLIERS, INSTALLERS, ETC. POOR OR UNTIMELY WORK ON THE PART OF ANY SUBCONTRACTOR SHALL BE RESOLVED BY THE PARTY WHO ENGAGED THEM ON THIS PROJECT.
- Z. WHERE MOUNTING HEIGHTS ARE NOT INDICATED OR ARE IN CONFLICT WITH ANY OTHER BUILDING SYSTEM, CONTACT THE ENGINEER BEFORE INSTALLATION. REFER ALSO TO ARCHITECTURAL INTERIOR AND EXTERIOR ELEVATIONS, CEILING HEIGHTS AND OTHER DETAILS OF THESE DOCUMENTS, AS APPLICABLE.
- AA. WHERE FIRE-RATED CEILING ASSEMBLIES ARE NOTED, PROVIDE UL-LISTED FIRE-RATED GYPSUM BOARD OR PRE-MANUFACTURED ENCLOSURES ABOVE LUMINAIRES, CEILING DEVICES, ETC. IN OR ON CEILING, AS REQUIRED TO MAINTAIN CEILING RATINGS.
- BB. COORDINATE THE LOCATION OF DRAINS, ELECTRICAL OUTLETS, GAS OUTLETS, ETC. WITH ALL CASEWORK, KITCHEN EQUIPMENT, MECHANICAL ROOM EQUIPMENT, ETC. PRIOR TO COMMENCING INSTALLATION. WORK NOT SO COORDINATED SHALL BE REMOVED AND PROPERLY INSTALLED AT THE EXPENSE OF THE RESPONSIBLE CONTRACTOR(S).
- CC. ALL ELECTRICAL COMPONENTS OR EQUIPMENT SHALL BE LISTED AND LABELED BY UNDERWRITER'S LABORATORIES OR OTHER APPROVED LISTING AGENCY. APPROVAL AND LABELING OF INDIVIDUAL COMPONENTS ON AN ASSEMBLY IS NOT ACCEPTABLE AS MEETING THIS REQUIREMENT, UNLESS WAIVED BY THE ENGINEER IN WRITING.
- DD. ALL WIRING SYSTEMS SHALL BE INSTALLED WITH A MINIMUM OF SPLICES. CONDUCTORS, WHETHER SINGLE OR MULTI-PAIR, SHALL BE INSTALLED CONTINUOUS INsofar AS POSSIBLE FROM TERMINAL POINT TO TERMINAL POINT.
- EE. NO CONDUIT, SUPPORTS, ETC. SHALL BE RUN THROUGH ACCESS CLEARANCES OF EQUIPMENT BY OTHER TRADES (I.E. VAV BOXES). COORDINATE WITH ALL TRADES PRIOR TO CONSTRUCTION.
- FF. ALL CONTRACTORS EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO ENSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE OR SUB-SERVICE FOR SAFETY PURPOSES. PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. VERIFY THE LOCATION, SIZE, TYPE, ETC. OF EACH UNDERGROUND OR OVERHEAD UTILITY. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL FEDERAL, STATE AND/OR LOCAL RULES, REGULATIONS, STANDARD AND SAFETY REQUIREMENTS. UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE MUNICIPALITY OR UTILITY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY.
- GG. ALL SUPPORTS FOR EQUIPMENT, DEVICES OR FIXTURES SHALL BE UNIQUE, DIRECTLY FROM THE BUILDING STRUCTURE. DO NOT SUPPORT FROM OTHER TRADES EQUIPMENT OR SUPPORTS WITHOUT WRITTEN PERMISSION FROM THE ENGINEER AND CONSENT OF THE OTHER TRADE. IN WRITING.
- HH. WHERE INTERRUPTING AN EXISTING UTILITY OR SERVICE DELIBERATELY OR ACCIDENTALLY, THE RESPONSIBLE CONTRACTOR SHALL WORK CONTINUOUSLY AS NEEDED TO RESTORE SAME, PROVIDING PREMIUM TIME AS NEEDED.
- II. REFER TO ARCHITECTURAL WALL ELEVATIONS (WHERE GIVEN) FOR HEIGHTS AND MOUNTING RELATIONSHIP OF OUTLETS AND EQUIPMENT. IF IN DOUBT, CONTACT THE ENGINEER FOR DIRECTION PRIOR TO ROUGH.
- JJ. FLUSH OR PEDESTAL TYPE FLOOR OUTLETS/BOXES, AS INDICATED ON PLAN, SHALL BE LOCATED BY DIMENSIONS PROVIDED BY THE ARCHITECT, UNLESS OTHERWISE SHOWN ON PLANS. IF IN DOUBT, CONTACT THE ENGINEER PRIOR TO ROUGHING-IN ANY WORK.
- KK. AS APPLICABLE, REFER TO ARCHITECTURAL PHASING PLANS AND PHASING BOUNDARIES ON THESE DRAWINGS FOR SEQUENCING OF WORK, FULL EXTENT OF AREAS INVOLVED, EXTENT OF CEILING WORK, ETC. PROVIDE TEMPORARY CONNECTIONS FOR CIRCUITS AND WORK AS REQUIRED TO MAINTAIN SEQUENCE OF THE WORK FROM PHASE TO PHASE.
- LL. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED FOR HIS WORK. ALL CUTTING AND PATCHING SHALL BE IN ACCORDANCE WITH THE ARCHITECT'S STANDARDS FOR SUCH WORK.
- MM. ALL WORK SHALL BE CONCEALED UNLESS SPECIFICALLY INDICATED TO BE EXPOSED, OR REQUIRED TO BE EXPOSED. IF IN DOUBT, CONTACT THE ENGINEER FOR CLARIFICATION PRIOR TO INSTALLING ANY SUCH WORK.
- NN. INTERRUPTION OF ANY EXISTING SERVICES SHALL BE COORDINATED WITH THE OWNER, GENERAL CONTRACTOR, UTILITY COMPANY AS NECESSARY, AND THE ARCHITECT, AT LEAST TWO WEEKS IN ADVANCE OF ANTICIPATED INTERRUPTION. A SCHEDULE FOR THESE OUTAGES SHALL BE DEVELOPED AND AGREED UPON BETWEEN THE PARTIES MENTIONED TO AVOID UNNECESSARY INCONVENIENCE TO THE OWNER OR ANY AFFECTED PARTY. NOTIFY THE UTILITY COMPANY OF ANY ANTICIPATED SERVICES REQUIRED TWO WEEKS IN ADVANCE. IN WRITING. IF UTILITY COMPANY REQUIRES A LONGER NOTIFICATION PERIOD, SO PROVIDE.
- OO. WHERE BACKBOXES ARE LOCATED IN THE SAME VERTICAL CHANNEL/STUD SPACE ON OPPOSITE SIDES OF THE SAME WALL, PROVIDE SOUND-INSULATING PUTTY AROUND BOXES AS REQUIRED TO ELIMINATE SOUND TRANSMISSION FROM ROOM TO ROOM.
- PP. JUNCTION BOXES LOCATED ABOVE ACCESSIBLE CEILING SHALL BE LOCATED NO MORE THAN 36" ABOVE CEILING LEVEL. LABEL EACH BOX IN AREA OF WORK WITH A PERMANENT MARKER OR IN ACCORDANCE WITH SPECIFICATIONS, WHICHEVER IS MORE STRINGENT.
- QQ. ALL MATERIALS FURNISHED AND ALL WORK INSTALLED SHALL COMPLY WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODES, NATIONAL FIRE CODES OF THE NATIONAL FIRE PROTECTION ASSOCIATION, THE REQUIREMENTS OF LOCAL UTILITY COMPANIES, AND WITH THE REQUIREMENTS OF ALL GOVERNMENTAL AGENCIES OR DEPARTMENTS HAVING JURISDICTION. IF ANY CONFLICTS OR DISCREPANCIES OCCUR, THE MOST STRINGENT SHALL APPLY.
- RR. DO NOT SCALE FROM DRAWINGS, AS PRINTING DISTORTS SCALE. WORK SHALL BE LAID OUT FROM DIMENSIONED DRAWINGS, OR DIMENSIONS SUPPLIED TO THE CONTRACTOR.
- SS. NOISY WORK, WORK OUTSIDE CONSTRUCTION BARRIERS, WORK IN OCCUPIED AREAS, ETC. SHALL BE PERFORMED AFTER HOURS OR ON WEEKENDS. COORDINATE EXACT SCHEDULING WITH FACILITY PRIOR TO CONSTRUCTION.
- TT. ALL ITEMS HAVING KEYS/OPERATORS SHALL HAVE CORED LOCKS/OPERATORS. ALL KEYS SHALL MATCH THE OWNER'S EXISTING KEY-WAYS. COORDINATE EXACT REQUIREMENTS WITH OWNER PRIOR TO CONSTRUCTION.
- UU. REFER TO ARCHITECTURAL PLANS FOR PHASING REQUIREMENTS. WORK SHALL BE COMPLETED IN PHASES PER THE PHASING PLAN AND AS COORDINATED WITH OWNER AND GENERAL CONTRACTOR. PROVIDE ALL REQUIRED INCREMENTAL INSPECTIONS, CERTIFICATIONS, ETC. AND ALL TEMPORARY SERVICES AS REQUIRED BY OWNER TO ACCOMPLISH THE PHASING PLAN.

DESCRIPTION	MOUNTING HEIGHT (TO CENTER OF BOX)	DRAWING SYMBOL
SWITCHES		
LIGHT SWITCH GENERAL PURPOSE	48"	\$
DIMMER SWITCH	48"	\$ D
OCCUPANCY OR VACANCY SENSOR SWITCH	48"	\$ OS \$ VS
LOW VOLTAGE SWITCH	48"	\$ LV \$ LVW
NON-REVERSING MOTOR STARTER SNAP SWITCH	AS NOTED	\$ M
OCCUPANCY OR VACANCY SENSOR, CEILING MOUNT	CLG	(OS) (VS)
PHOTO-CELL AS NOTED	AS NOTED	(M)
POWER OUTLETS		
SIMPLEX RECEPTACLE	1'-6"	(1)
DUPLEX RECEPTACLE	1'-6"	(2)
SLASH THROUGH ANY DEVICE INDICATES MOUNTING ABOVE COUNTERTOP 2" ABOVE BACKSPASH, OR AT 4" WHERE NO COUNTER IS PRESENT		(/)
FILLED CENTER BAR INDICATES INTEGRAL GROUND FAULT PROTECTION (GFCI)	1'-6"	(/)(G)
FILLED OUTER BARS INDICATES INTEGRAL GROUND FAULT PROTECTION (GFCI)	1'-6"	(/)(O)
DUPLEX RECEPTACLE, CEILING MOUNTED	CLG	(2) (CLG)
QUADRUPLX RECEPTACLE	1'-6"	(4)
JUNCTION BOX, CEILING OR WALL		(J)
VOLTAGE/1PH RECEPTACLE, AS NOTED	AS NOTED	(V)
VOLTAGE/3PH RECEPTACLE, AS NOTED	1'-6"	(V)(3)
GROUND FAULT PROTECTED DUPLEX WITH WEATHER-PROOF WHILE IN USE TYPE DIE-CAST METAL COVERPLATE WITH LOCKABLE ENCLOSURE AT OUTLET - SEE SPECIFICATIONS	2'-2"	(G)

DESCRIPTION	MOUNTING HEIGHT (TO CENTER OF BOX)	DRAWING SYMBOL
FIRE ALARM		
PULL STATION - DOUBLE ACTION	48" TO LEVER	(F)
AUDIO/VISUAL NOTIFICATION APPLIANCE	WALL, CLG	(F)(K)
AUDIO-ONLY NOTIFICATION APPLIANCE	WALL, CLG	(A)(K)
VISUAL-ONLY NOTIFICATION APPLIANCE	WALL, CLG	(V)(K)
PHOTO-ELECTRIC SMOKE DETECTOR	CLG	(SD)
CARBON MONOXIDE DUCT DETECTOR	ABV CLG	(CD)
POWER SUPPLY/CONTROL FOR AUDIO/VISUAL DEVICES	48"	(NAC)
FIRE ALARM CONTROL EXTENDER		(EXT)

DESCRIPTION	MOUNTING HEIGHT (TO CENTER OF BOX)	DRAWING SYMBOL
LIGHTING		
REFER TO LUMINAIRE SCHEDULE FOR EXACT FIXTURE SPECIFICATIONS, MOUNTING HEIGHT, ETC.		
SURFACE OR SUSPENDED CEILING FIXTURE (SLASH INDICATES RECESSED)		(/)
POLE MOUNTED AREA LIGHT		(P)
WALL MOUNT FIXTURE		(W)
FLOODLIGHT		(F)
EXIT LIGHT (CEILING, END, WALL MOUNT)		(E)
STRIP FIXTURE		(S)
PARALLEL-HATCHING INDICATES LIGHT IS POWERED FROM THE EMERGENCY-LIFE SAFETY BRANCH		(//)

DESCRIPTION	MOUNTING HEIGHT (TO CENTER OF BOX)	DRAWING SYMBOL
MISCELLANEOUS		
ARROW(S) INDICATE(S) HOME RUN & # OF CIRCUITS		(A)
DISCONNECT SWITCH	5'-0"	(DS)
MAGNETIC STARTER	5'-0"	(MS)
MAGNETIC COMBINATION STARTER	5'-0"	(MCS)
VARIABLE FREQUENCY DRIVE	#4" TO TOP	(VFD)
PANELBOARD, SURFACE OR FLUSH MOUNTED, HATCHING INDICATES EMERGENCY		(P)
EQUIPMENT TAG, REFER TO EQUIPMENT SCHEDULE		(E)
TAGGED NOTE		(T)
REVISION TAG		(R)
MECHANICAL EQUIPMENT DESIGNATOR (SEE MECH. SCHEDULES)		(M)
EQUIPMENT HARDWARE CONNECTION (SEE DETAIL)		(H)
MOTOR CONNECTION; REFER TO EQUIPMENT CONNECTION SCHEDULE		(M)
WEATHER-PROOF, NEMA 3R, WET LOCATION LISTED, PROVIDE COVERS, RATINGS, ETC. AS SUITABLE FOR OUTDOORS		(W)
INDICATES EMERGENCY POWER		(EM)
THERMOSTAT PROVIDED BY MECHANICAL CONTRACTOR, ELECTRICAL CONTRACTOR SHALL PROVIDE BACKBOX CONDUIT STUB-OUTS TO MECHANICAL DRAWINGS FOR LOCATIONS		(T)
CONDUIT LIP		(L)
CONDUIT DOWN		(D)
GROUND BUS BAR ON INSULATED STANDOFFS	2'-0"	(G)

DESCRIPTION	MOUNTING HEIGHT (TO CENTER OF BOX)	DRAWING SYMBOL
ABBREVIATIONS		
UNLESS OTHERWISE NOTED		
OWNER FURNISHED CONTRACTOR INSTALLED		UF/CI
OWNER FURNISHED OWNER INSTALLED		OF/CI
CONTRACTOR FURNISHED CONTRACTOR INSTALLED		CF/CI
CONTRACTOR FURNISHED OWNER INSTALLED		CO/CI
INDICATES EMERGENCY POWER		EM

DESCRIPTION	ITEM REGION PROJECT	REVISIONS OF CI	REVISIONS OF CF	CABLING CONDUCTORS OF CI	CABLING CONDUCTORS OF CF	CONDUIT (ROUGH-IN, CI/CF)	CONDUIT (ROUGH-IN, CF/CI)
SYSTEM RESPONSIBILITY MATRIX							
SYSTEM							
FIRE ALARM							
SECURITY: CCTV							
STRUCTURED CABLING							
PATCH PANELS							

- SYSTEM RESPONSIBILITY GENERAL NOTES:**
- A. CMTA IS NOT RESPONSIBLE FOR ASSIGNING SCOPE(S) OR WORK. THE INTENT OF CONTRACTOR IN THIS MATRIX IS TO SEPERATE OWNER PROVIDED ITEMS FROM THE GENERAL CONTRACTOR'S (CONSTRUCTION MANAGER) THE GC OR CM SHALL BE RESPONSIBLE FOR A COMPLETE SCOPE OF WORK.
 - B. REFER TO VENDOR DRAWINGS FOR COMPLETE SCOPE OF WORK RELATING TO VENDOR-FURNISHED EQUIPMENT. ALL WORK INDICATED ON VENDOR DRAWINGS SHALL BE INCLUDED IN THE CONTRACT.
 - C. PROVIDE BACKBOXES AND CONDUIT WITH PULL-STRINGS FOR ALL SYSTEMS. CONTRACTOR SHALL VERIFY BACKBOX SIZES, CONDUIT ETC. AND EXACT INSTALLATION LOCATIONS/REQUIREMENTS WITH SUCCESSFUL VENDORS OF ALL SYSTEMS PRIOR TO CONSTRUCTION.
 - D. AT ALL SYSTEMS EQUIPMENT CABINET/TERMINAL BOARD LOCATIONS, CONTRACTOR SHALL PROVIDE SIZE AND NUMBER OF CONDUIT STUB-OUTS TO CABLE PATHS AS REQUIRED BY VENDOR DRAWINGS. TERMINAL CONDUITS AT CABINET/TERMINAL BOARD LOCATIONS AS REQUIRED. COORDINATE EXACT REQUIREMENTS WITH APPROPRIATE VENDORS PRIOR TO CONSTRUCTION.
 - E. REFER TO SPECIFICATIONS FOR REQUIREMENTS APPLICABLE TO ALL SYSTEMS INCLUDING CABLING, CABLE MANAGEMENT, INSTALLATION, GROUNDING, TESTING, LABELING, ETC.
 - F. WHERE INDICATED AS CF/CI, THE CONTRACTOR SHALL PROVIDE THE SYSTEM COMPLETE, INCLUDING ALL ROUGHING, CABLING, DEVICES, POWER, ETC. THE CONTRACTOR SHALL CONTACT THE LISTED VENDOR FOR PRICING PRIOR TO BID. ALL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE LISTED VENDOR'S WITH ANY EXISTING SYSTEMS. ALL SYSTEM VENDORS SHALL COORDINATE EXACT SYSTEM REQUIREMENTS WITH OWNER PRIOR TO BID. NEW COMPONENTS SHALL BE INTERCONNECTED WITH EXISTING SYSTEMS WHERE POSSIBLE.

DESCRIPTION	WHITE	IVORY	RED	BLACK	BLUE	YELLOW	STAINLESS STEEL	CUSTOM
DEVICE COLOR MATRIX								
DEVICE								
THERMOSTATS (COORDINATE WITH HVAC TYPICALLY NO COLOR OPTIONS)								
RECEPTACLE (NORMAL)								
FIRE ALARM DEVICES - WALL								
FIRE ALARM DEVICES - CEILING								
WALL SWITCHES								
VOICE / DATA DEVICES								
CEILING OCCUPANCY SENSORS								
DEVICE COVERPLATES								

- DEVICE COLOR GENERAL NOTES:**
- A. DEVICE PLATE TO MATCH DEVICE UNLESS NOTED OTHERWISE.
 - B. NOT ALL DEVICES MAY USE THAT ARE SHOWN.
 - C. IF DEVICE COLOR NOT DEFINED REFER TO SPECIFICATIONS.

- LEGEND**
- INDICATES SELECTED COLOR
 - INDICATES COLOR NOT AVAILABLE
 - INDICATES COLOR NOT SELECTED

SHEET #	SHEET NAME
E-000	ELECTRICAL LEGEND
E-101	ELECTRICAL LIGHTING PLANS
E-201	ELECTRICAL POWER PLANS
E-202	ROOF POWER PLAN
E-300	ELECTRICAL PLAN - PLAZA
E-400	PANEL SCHEDULES
E-500	ELECTRICAL DETAILS
E-501	ELECTRICAL DETAILS
E-600	ELECTRICAL SINGLE LINE
ED101	ELECTRICAL DEMO PLANS
ED102	ELECTRICAL DEMO PLAN - PLAZA

ELECTRICAL - LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	BASIS OF DESIGN	EQUAL MANUFACTURERS	MOUNTING	LAMPS / CCT	MINIMUM LUMENS	MAXIMUM WATTAGE	VOLTAGE	REMARKS
BL	BOLLARD, LED, WITH INTEGRAL GFI RECEPTACLE, COLOR TO BE SELECTED BY ARCHITECT	BEGA 99 627 WITH 99 865 HEAD	APPROVED EQUAL	CONCRETE BASE	3000K	1000 LUMENS	34	120	
HR1	HAND RAIL, LIGHTED, STAINLESS STEEL, LENGTH AS SHOWN ON THE PLANS	EFFICIENT-TEC INTERNATIONAL (ETI) ANDRA SERIES	APPROVED EQUAL	LIGHTED RAIL	3000K	173 LUMENS / FT	240	120	PROVIDE WITH CLEAR WITH PRISMATIC LENS AND INTEGRAL DRIVERS
HR2	HAND RAIL, LIGHTED, STAINLESS STEEL, LENGTH AS SHOWN ON THE PLANS	EFFICIENT-TEC INTERNATIONAL (ETI) ANDRA SERIES	APPROVED EQUAL	LIGHTED RAIL	3000K	173 LUMENS / FT	60	120	PROVIDE WITH CLEAR WITH PRISMATIC LENS AND INTEGRAL DRIVERS
P1	FLOOD LIGHTS, POLE MOUNTED, QUANTITY OF 4 HEADS PER POLE, COLOR TO BE SELECTED BY ARCHITECT	LIGMAN UOD-21021-4x36w-W-30-TBD-120/27V-A80131	APPROVED EQUAL	CONCRETE BASE	3000K	3326 LUMENS / HEAD	36	120	
WM1	WALL MOUNTED, EXTERIOR, LINEAR ROUND, WET LOCATION, COLOR TO BE SELECTED BY ARCHITECT	SPI LIGHTING SEW12114-L28W-120/27V-3000K-TBD-B-EC01-TBD	APPROVED EQUAL	WALL MOUNT	3000K	2940 LUMENS	28	120	

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SUSTAINABILITY
PLANNING
ENGINEERING

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CLARK STATE RHODES HALL
570 LEEFEL LN
SPRINGFIELD, OH 45505

DATE: 03/10/2023
PROJECT NO.: 105201
DESIGNED BY: Designer
CHECKED BY: Checker
DRAWN BY: Drafter
PROJECT MANAGER: T.A.
SHEET SIZE: 30x42
PLOT SCALE: 1/2" = 1'-0"
FILE NAME:

DATE

DESCRIPTION

MARK

ELECTRICAL LEGEND

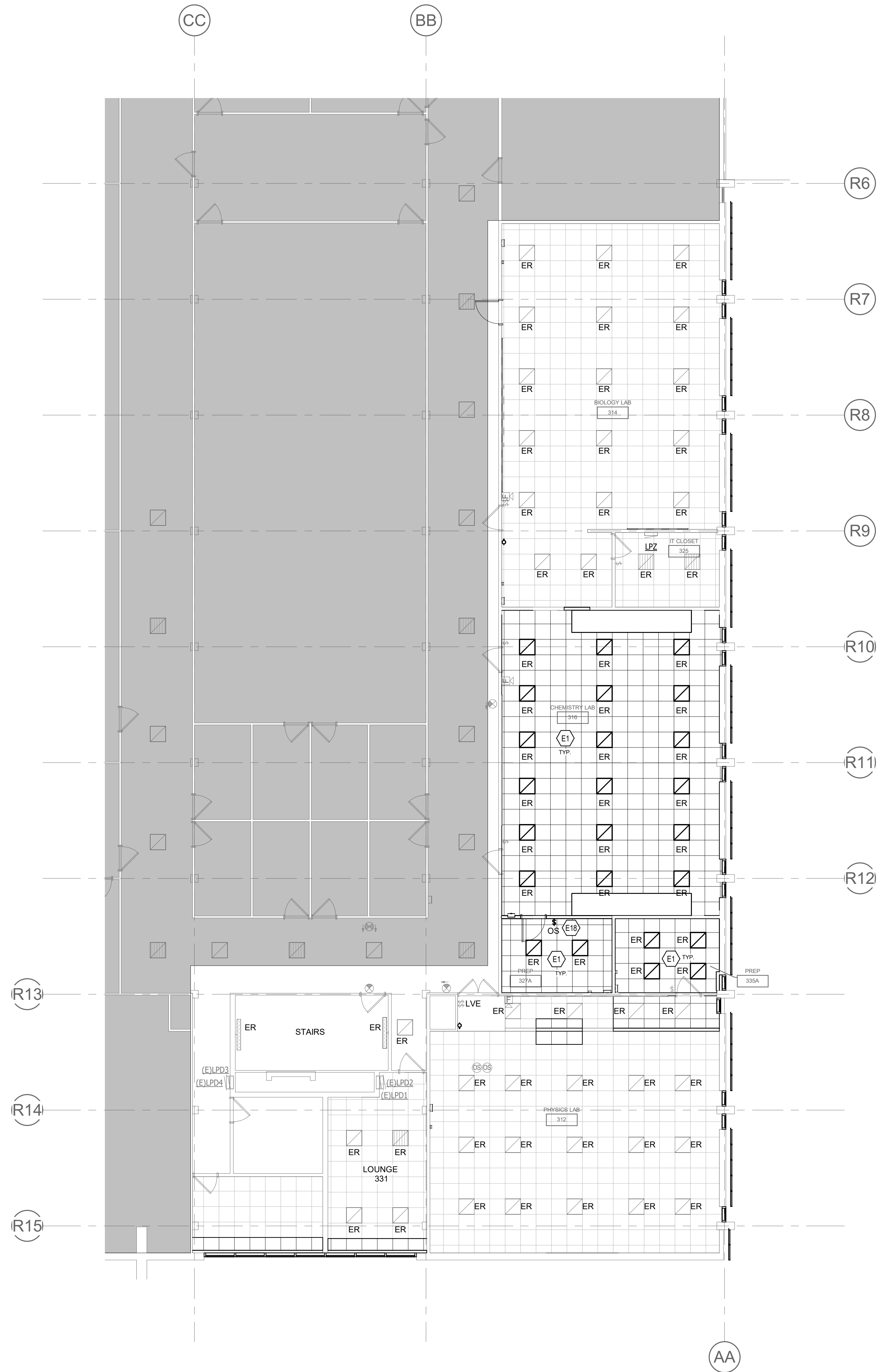
JAMES B. MESSNER
REGISTERED PROFESSIONAL ENGINEER
STATE OF OHIO

SHEET IDENTIFICATION

E-000



1 SECOND FLOOR - LIGHTING PLAN
E-101 1/8" = 1'-0"



2 THIRD FLOOR - LIGHTING PLAN
E-101 1/8" = 1'-0"

GENERAL NOTES (LIGHTING):
 A. REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
 B. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER N.E.C. #310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER N.E.C. #300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN N.E.C. #100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
 C. IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. ALSO, MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.

TAGGED NOTES
 E1 INSTALL LIGHTING FIXTURE MADE AVAILABLE BY DEMOLITION. CONNECT TO EXISTING BRANCH CIRCUIT AND MODIFY WIRING AS REQUIRED TO HAVE LIGHTING CONTROLLED WITH OTHER LIGHTING FIXTURES WITH-IN ROOM.
 E18 PROVIDE NEW LIGHTING CONTROL STATION FOR LIGHTING FIXTURES WITH-IN THIS ROOM.

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Cincinnati, Ohio 45202
513.841.9389
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DESIGNED BY:	DATE:	CHECKED BY:	PROJECT NO.:
Designer	03/13/2023	Checker	182201
DRAWN BY:		PROJECT MANAGER:	
TA			
SHEET SIZE:		PLAT SCALE:	
30x42		1/8" = 1'-0"	
FILE NAME:			

CLARK STATE RHODES HALL
570 LEFFEL LN
SPRINGFIELD, OH 45505
ELECTRICAL LIGHTING PLANS

STATE OF OHIO
JAMES B. MESSNER
E-34337
REGISTERED PROFESSIONAL ENGINEER

SHEET IDENTIFICATION
E-101

ISSUED FOR PERMIT - MARCH 13, 2023

GENERAL NOTES (POWER):

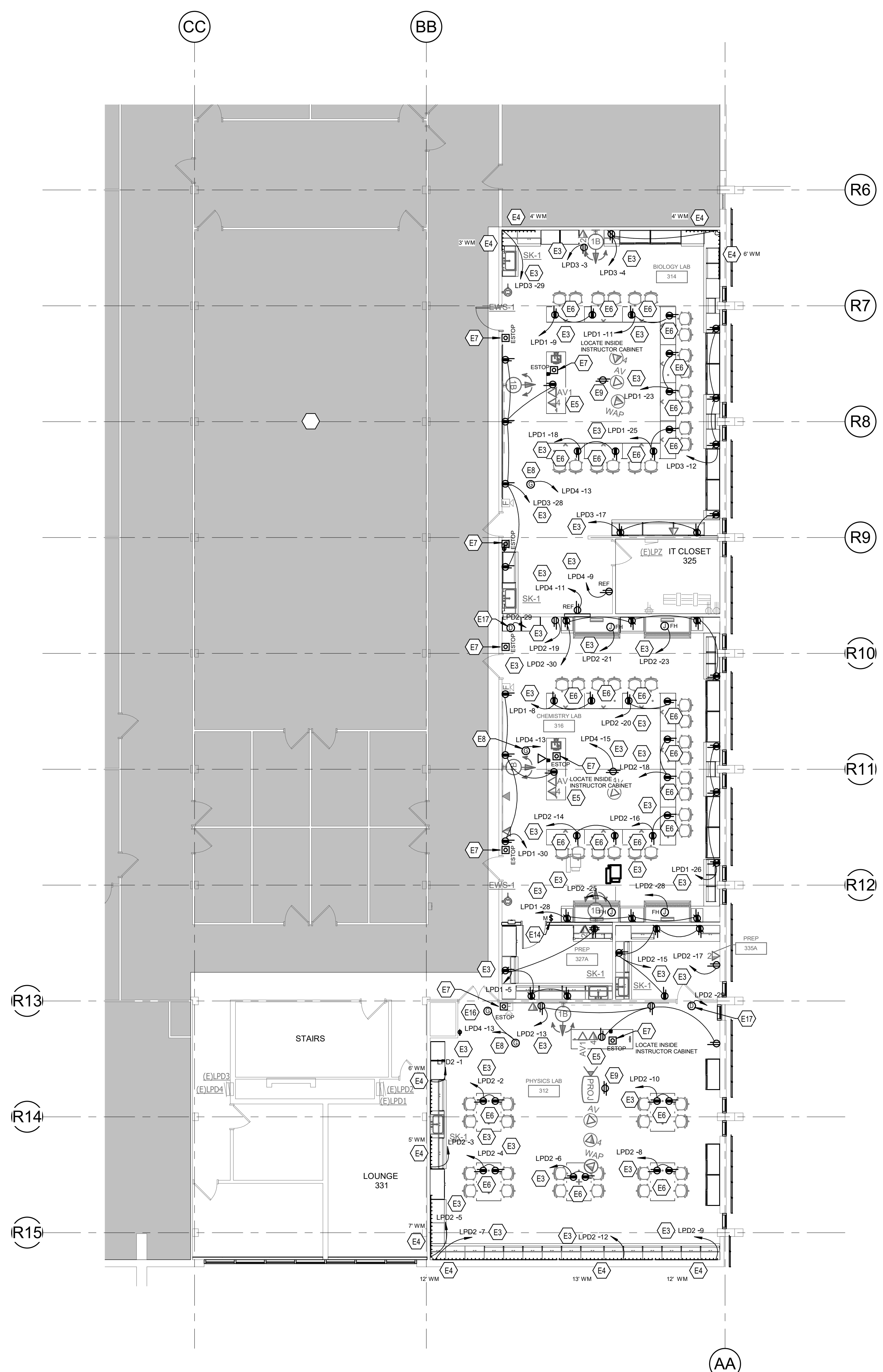
- REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
- CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER NEC 310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER NEC 300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN NEC 100.7(D)(4) (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING, MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
- LOCATIONS OF ELECTRICAL CONNECTIONS AND LOCAL DISCONNECTS SHALL BE COORDINATED WITH MECHANICAL AND PLUMBING CONTRACTORS TO ENSURE ACCESS AND WORKING CLEARANCE IS MAINTAINED PER NEC. NOTIFY OTHER TRADES OF REQUIRED CLEARANCE AREAS TO AVOID ROUTING OF OTHER SYSTEMS IN THESE AREAS. DO NOT INSTALL ELECTRICAL EQUIPMENT OVER EQUIPMENT NAMEPLATES OR ACCESS PANELS OR THROUGH ACCESS/MAINTENANCE CLEARANCES OF EQUIPMENT BY OTHER TRADES.
- PROVIDE PATHWAYS AND RUSH-IN FOR DATA, SECURITY, AND OTHER TECHNOLOGY DEVICES. REFER TO T-SERIES DRAWINGS FOR DETAILS.

TAGGED NOTES

- PROVIDE NEW BRANCH CIRCUIT TO EXISTING PANEL. RE-USE EXISTING CIRCUIT BREAKER SPACE MADE AVAILABLE BY DEMOLITION.
- PROVIDE SINGLE CIRCUIT PLUG STRIP (WIREMOLD 2000 SERIES, OR EQUAL) WITH RECEPTACLES ON 18" CENTERS. PROVIDE SURFACE RACEWAY DOWN FROM ABOVE FINISHED CEILING. COORDINATE DROP WITH ARCHITECTURAL ELEVATIONS AND EQUIPMENT PROVIDER.
- PROVIDE PATHWAY FOR ELECTRICAL AND TECHNOLOGY DEVICES THROUGH FLOOR. REFER TO TECHNOLOGY SERIES DRAWINGS FOR DETAILS. EXTEND WIRING TO DEVICES MOUNTED ON CASEWORK. COORDINATE WITH CASEWORK SHOP DRAWINGS.
- PROVIDE PATHWAY FOR ELECTRICAL DEVICES THROUGH FLOOR. EXTEND WIRING TO DEVICES MOUNTED IN CASEWORK. COORDINATE WITH CASEWORK SHOP DRAWINGS.
- PROVIDE EMERGENCY STOP BUTTON FOR ROOM GAS SHUTOFF VALVE. PROVIDE WIRING TO SHUTOFF VALVE TO DISABLE GAS SERVICE TO THE ROOM WHEN THE EMERGENCY STOP BUTTON IS ACTIVE. REFER TO DETAIL 4/E-501 FOR ADDITIONAL INFORMATION.
- PROVIDE CIRCUIT AND WIRING TO GAS SHUTOFF VALVE. COORDINATE LOCATION WITH DIV. 22. VALVE IS LOCATED ABOVE CEILING ON SECOND FLOOR. REFER TO DETAIL 4/E-501 FOR ADDITIONAL INFORMATION.
- INSTALL PROJECTOR AND RECEPTACLES MADE AVAILABLE BY DEMOLITION. EXTEND WIRING AS REQUIRED.
- PROVIDE TOGGLE SWITCH TO ENABLE/DISABLE EF-13 (CHEMISTRY EXHAUST FAN) LOCATED ON ROOF. WIRE TO VFD. REFER TO DETAIL 7/E-501 FOR DETAILS. COORDINATE WIRING WITH DIV. 23.
- PROVIDE CIRCUIT AND WIRING TO GAS SHUTOFF VALVE. COORDINATE LOCATION WITH DIV. 22. VALVE IS LOCATED ABOVE CEILING ON SECOND FLOOR. MASTER GAS VALVE SHALL BE CONTROLLED VIA BAS SYSTEM. CONTROL WIRING TO BE PROVIDED BY DIV. 23.
- PROVIDE CIRCUIT AND WIRING TO MOTORIZED DAMPER FOR EXHAUST FAN. REFER TO DETAIL 7/E-501 FOR DETAILS.



1 SECOND FLOOR - POWER PLAN
E-201 1/8" = 1'-0"



2 THIRD FLOOR - POWER PLAN
E-201 1/8" = 1'-0"

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Cincinnati, Ohio 45202
513.841.9388
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DESIGNED BY:	DATE:	CHECKED BY:	PROJECT NO.:
Designer	03/13/2023	Checker	182201
DRAWN BY:		PROJECT MANAGER:	
Author		TIA	
SHEET SIZE:		PLAT SCALE:	
30x42		1/8" = 1'-0"	
FILE NAME:			

CLARK STATE RHODES HALL
570 LEFFEL LN
SPRINGFIELD, OH 45505

ELECTRICAL POWER PLANS

SHEET IDENTIFICATION

E-201

ISSUED FOR PERMIT - MARCH 13, 2023

PANELBOARD AND WIRING SCHEDULE

Panel LPB1 wiring schedule table with columns for circuit description, OCP, P, CKT, A, B, C, OCP, P, OCP, CB, and circuit description. Includes load classification and totals.

PANELBOARD AND WIRING SCHEDULE

Panel LPD1 wiring schedule table with columns for circuit description, OCP, P, CKT, A, B, C, OCP, P, OCP, CB, and circuit description. Includes load classification and totals.

PANELBOARD AND WIRING SCHEDULE

Panel LPE1 wiring schedule table with columns for circuit description, OCP, P, CKT, A, B, C, OCP, P, OCP, CB, and circuit description. Includes load classification and totals.

PANELBOARD AND WIRING SCHEDULE

Panel LPB2 wiring schedule table with columns for circuit description, OCP, P, CKT, A, B, C, OCP, P, OCP, CB, and circuit description. Includes load classification and totals.

PANELBOARD AND WIRING SCHEDULE

Panel LPD2 wiring schedule table with columns for circuit description, OCP, P, CKT, A, B, C, OCP, P, OCP, CB, and circuit description. Includes load classification and totals.

PANELBOARD AND WIRING SCHEDULE

Panel LPE2 wiring schedule table with columns for circuit description, OCP, P, CKT, A, B, C, OCP, P, OCP, CB, and circuit description. Includes load classification and totals.

PANELBOARD AND WIRING SCHEDULE

Panel LPD3 wiring schedule table with columns for circuit description, OCP, P, CKT, A, B, C, OCP, P, OCP, CB, and circuit description. Includes load classification and totals.

PANELBOARD AND WIRING SCHEDULE

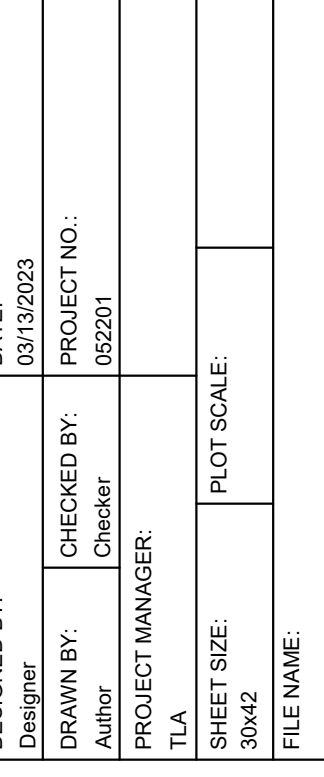
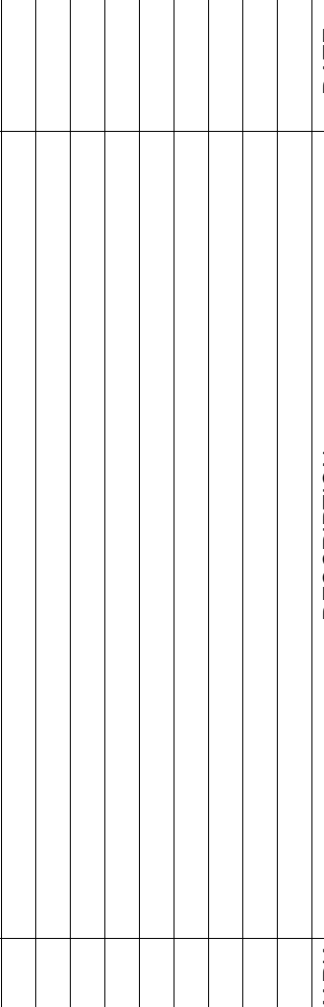
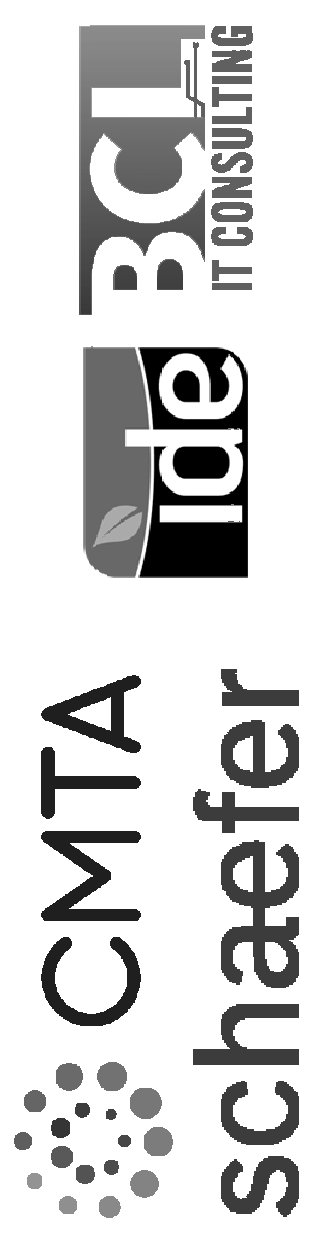
Panel LPE3 wiring schedule table with columns for circuit description, OCP, P, CKT, A, B, C, OCP, P, OCP, CB, and circuit description. Includes load classification and totals.

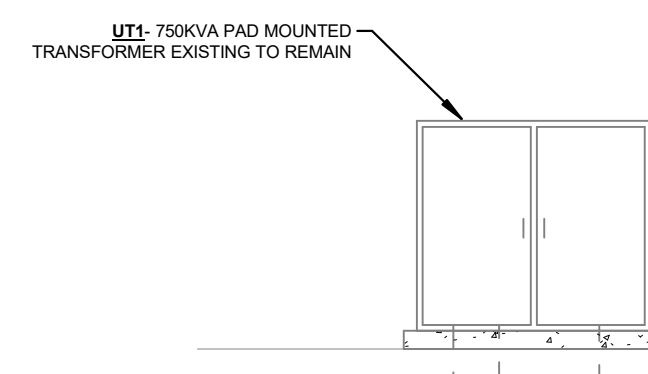
PANELBOARD AND WIRING SCHEDULE

Panel LPD4 wiring schedule table with columns for circuit description, OCP, P, CKT, A, B, C, OCP, P, OCP, CB, and circuit description. Includes load classification and totals.

PANELBOARD AND WIRING SCHEDULE

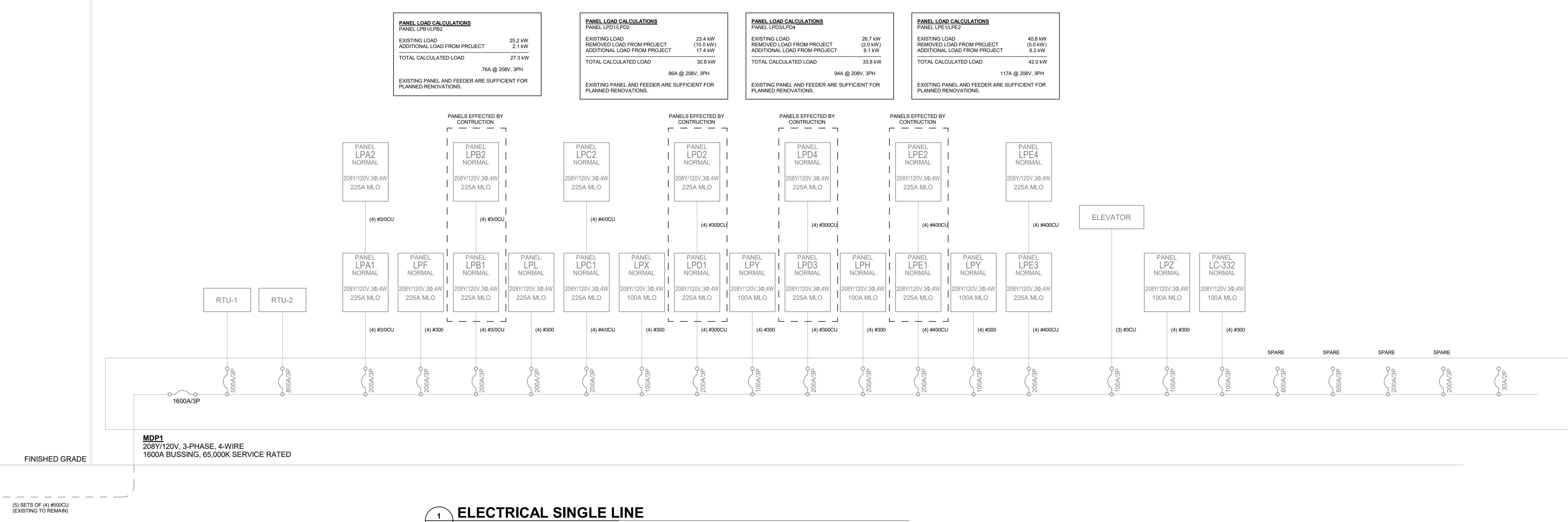
Panel LPE4 wiring schedule table with columns for circuit description, OCP, P, CKT, A, B, C, OCP, P, OCP, CB, and circuit description. Includes load classification and totals.





FINISHED GRADE

MDP1
208Y/120V, 3-PHASE, 4-WIRE
1600A BUSSING, 65,000K SERVICE RATED



PANEL LOAD CALCULATIONS
PANEL LPA1/LPB1

EXISTING LOAD	26.2 kW
ADDITIONAL LOAD FROM PROJECT	2.1 kW
TOTAL CALCULATED LOAD	27.3 kW
76A @ 208V, 3PH	

EXISTING PANEL AND FEEDER ARE SUFFICIENT FOR PLANNED RENOVATIONS.

PANEL LOAD CALCULATIONS
PANEL LPD1/LPD2

EXISTING LOAD	23.4 kW
REMOVED LOAD FROM PROJECT	119.3 kW
ADDITIONAL LOAD FROM PROJECT	17.4 kW
TOTAL CALCULATED LOAD	36.8 kW
86A @ 208V, 3PH	

EXISTING PANEL AND FEEDER ARE SUFFICIENT FOR PLANNED RENOVATIONS.

PANEL LOAD CALCULATIONS
PANEL LPD3/LPD4

EXISTING LOAD	26.7 kW
REMOVED LOAD FROM PROJECT	120 kW
ADDITIONAL LOAD FROM PROJECT	9.1 kW
TOTAL CALCULATED LOAD	35.8 kW
94A @ 208V, 3PH	

EXISTING PANEL AND FEEDER ARE SUFFICIENT FOR PLANNED RENOVATIONS.

PANEL LOAD CALCULATIONS
PANEL LPE1/LPE2

EXISTING LOAD	40.8 kW
REMOVED LOAD FROM PROJECT	83.0 kW
ADDITIONAL LOAD FROM PROJECT	6.2 kW
TOTAL CALCULATED LOAD	42.0 kW
117A @ 208V, 3PH	

EXISTING PANEL AND FEEDER ARE SUFFICIENT FOR PLANNED RENOVATIONS.

1 ELECTRICAL SINGLE LINE
E-600 12" = 1'-0"

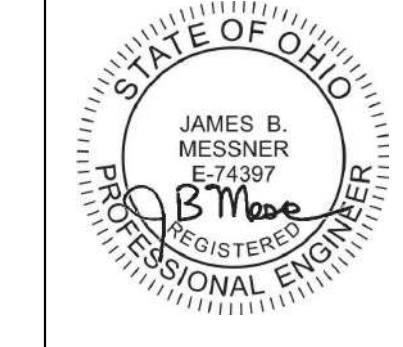
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BCI IT CONSULTING
Idb

CMTA schaefer

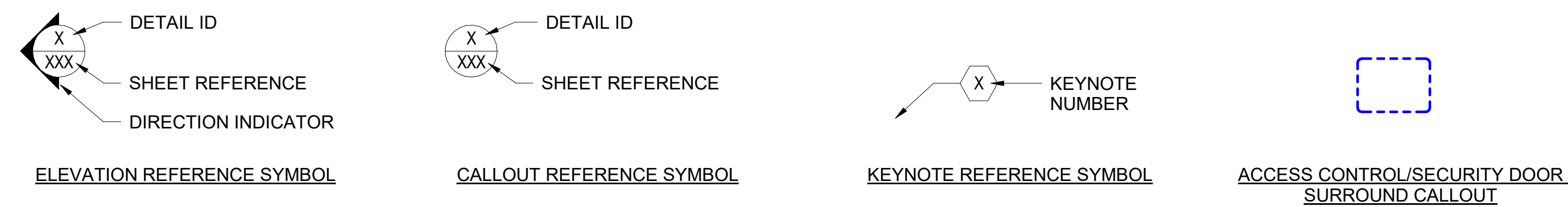
DATE	03/13/2023
PROJECT NO.	1826201
DESIGNED BY	Designer
CHECKED BY	Checker
DRAWN BY	Author
PROJECT MANAGER	T.M.
SHEET SIZE	30x42
PLT SCALE	12" = 1'-0"
FILE NAME	

CLARK STATE RHODES HALL
570 LEFFEL LN
SPRINGFIELD, OH 45505
ELECTRICAL SINGLE LINE

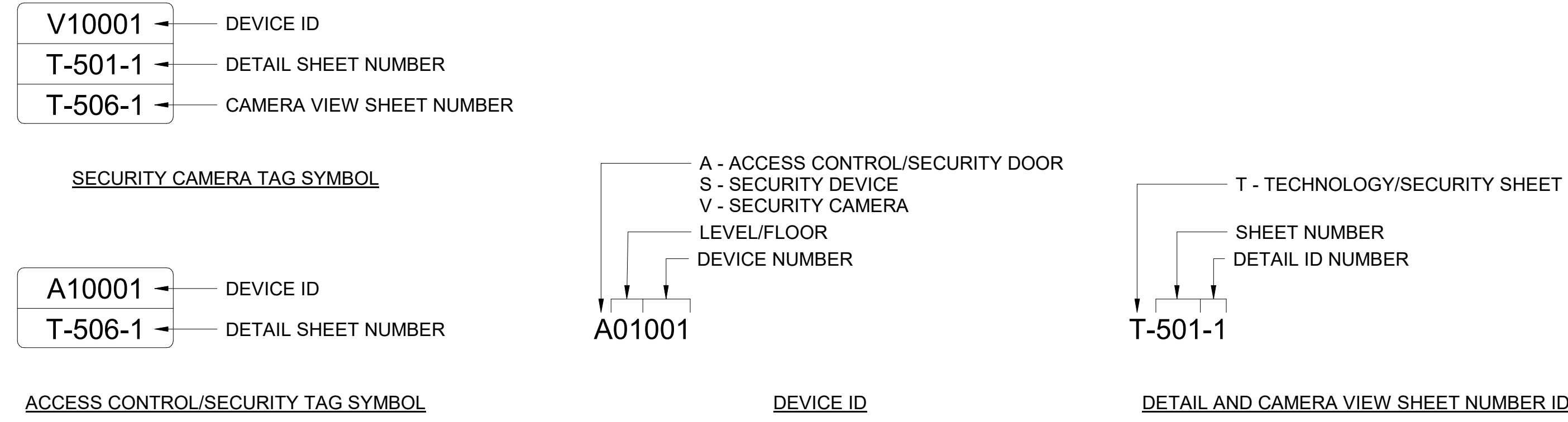


SHEET IDENTIFICATION
E-600

REFERENCE AND KEYNOTE SYMBOLS



SHEET AND TAG SYMBOLS



GENERAL SYMBOLS

SYMBOL	DESCRIPTION
J	JUNCTION BOX WALL MOUNTED
J	JUNCTION BOX MOUNTED IN CEILING
J	JUNCTION BOX MOUNTED IN FLOOR
PB	PULL BOX
IP	POWER POLE WITH DEVICES INDICATED (P-POWER, T-TELECOM, PIT-POWER AND TELECOM)

CONNECTOR SYMBOLS

SYMBOL	DESCRIPTION
●	CONDUIT UP
○	CONDUIT DOWN
—	BREAK SYMBOL
—	CONDUIT STUB TERMINATE WITH BUSHING
—	CONDUIT SLEEVE

TELECOMMUNICATION SYMBOLS

SYMBOL	SECTION	DESCRIPTION
[Symbol]	270528	WIRE MESH OR SOLID BOTTOM CABLE TRAY SYSTEM (REFER TO PLANS), 12"Wx4"D UNLESS OTHERWISE NOTED, MOUNTING HEIGHT IS TO BOTTOM OF TRAY. HEIGHT VARIES, REFER TO PLANS FOR ADDITIONAL INFORMATION.
[Symbol]	270528	TELECOMMUNICATIONS SLEEVE. UNLESS OTHERWISE NOTED, PROVIDE TWO 1" SLEEVES FROM THE CORRIDOR INTO EVERY ROOM. ONE SHALL BE FOR UTP CABLING AND THE OTHER FOR SECURITY, CENTRAL SOUND, AND CATV CABLING.
[Symbol]	271100	DMARC LOCATION FOR ALL TELECOMMUNICATION AND DATA SERVICES.
[Symbol]	271500, 273123	WALLPHONE OUTLET. REFER TO THE FACEPLATE DETAILS FOR ADDITIONAL INFORMATION. PROVIDE A TELEPHONE HANDSET. W/PAR - WALL PHONE FOR AREA OF REFUGE, COORDINATE WITH FIRE ALARM CONTRACTOR.
[Symbol]	271500, 273123	DATA OUTLET. "M" SUBSCRIPT INDICATES QUANTITY OF CABLES/JACKS REQUIRED (BLANK IMPLIES ONLY ONE). REFER TO THE FACEPLATE DETAILS FOR ADDITIONAL INFORMATION.
[Symbol]	271500	DATA CEILING OUTLET. "M" SUBSCRIPT INDICATES QUANTITY OF CABLES/JACKS REQUIRED (BLANK IMPLIES ONLY ONE). REFER TO FACEPLATE DETAILS FOR ADDITIONAL INFORMATION.
[Symbol]	271500	DATA FLOOR OUTLET. "M" SUBSCRIPT INDICATES QUANTITY OF CABLES/JACKS REQUIRED (BLANK IMPLIES ONLY ONE). FLOOR BOX OR POKE THROUGH SPECIFIED ON THE POWER PLANS UNLESS OTHERWISE NOTED.
[Symbol]	271500, 272133	WIRELESS ACCESS POINT CABLING LOCATION. PROVIDE WITH 15' OF CABLE COILED ABOVE THE ACCESSIBLE CEILING.
[Symbol]	271500, 272133	WIRELESS ACCESS POINT WALL MOUNT CABLING LOCATION. PROVIDE WITH 15' OF CABLE COILED ABOVE THE ACCESSIBLE CEILING.
[Symbol]	271100	TELECOM RACK FLOOR MOUNTED WITH 6 INCH VERTICAL CABLE MANAGERS
[Symbol]	271100	TELECOM ENCLOSURE - WALL MOUNTED
[Symbol]	271100	TELECOM EQUIPMENT CABINET - FREE STANDING
[Symbol]	271100	TELECOM MAIN GROUND BUS OR TELECOM GROUND BUS
[Symbol]	271300, 271500	CONSOLIDATION POINT

CAMERA MOUNTING SYMBOLS

SYMBOL	EXAMPLE	DESCRIPTION
[Symbol]	[Symbol]	CAMERA WALL MOUNT
[Symbol]	[Symbol]	CAMERA CORNER MOUNT
[Symbol]	[Symbol]	CAMERA POLE MOUNT
[Symbol]	[Symbol]	CAMERA PARAPET/TELESCOPIC MOUNT
[Symbol]	[Symbol]	CAMERA CEILING MOUNT (NO MOUNTING SYMBOL)

SHEET INDEX

SHEET NUMBER	SHEET NAME
T-001	TECHNOLOGY LEGENDS
T-002	TECHNOLOGY NOTES
TD102	DEMOLITION PLAN LEVEL 200
TD103	DEMOLITION PLAN LEVEL 300
T-102	TECHNOLOGY LEVEL 200

SHEET INDEX

SHEET NUMBER	SHEET NAME
T-103	TECHNOLOGY AND SECURITY LEVEL 300
T-301	TECHNOLOGY ROOMS AND ELEVATIONS
T-501	TECHNOLOGY DETAILS (FACE PLATES)
T-601	TECHNOLOGY SECURITY SCHEDULES

SHEET INDEX

SHEET NUMBER	SHEET NAME
[Blank]	[Blank]

AUDIO VISUAL SYMBOLS

SYMBOL	SECTION	DESCRIPTION
[Symbol]	274100	PRESENTATION POINT OUTLET LOCATION. REFER TO THE FACEPLATE DETAILS AND CONNECTIVITY DETAILS FOR ADDITIONAL INFORMATION. PROVIDE A TELEPHONE HANDSET.
[Symbol]	274100	DISPLAY OUTLET LOCATION. REFER TO THE FACEPLATE DETAILS AND CONNECTIVITY DETAILS FOR ADDITIONAL INFORMATION. -IF P INDICATES OUTLET FOR INTERACTIVE FLAT PANEL, MOUNTED AT 60" AFF. COORDINATE WITH MOUNTING BRACKET AND ARCHITECTURAL.
[Symbol]	274100	PRESENTATION POINT OUTLET LOCATION. REFER TO THE FACEPLATE DETAILS AND CONNECTIVITY DETAILS FOR ADDITIONAL INFORMATION. PROVIDE A TELEPHONE HANDSET.
[Symbol]	274100	DISPLAY OUTLET LOCATION. REFER TO THE FACEPLATE DETAILS AND CONNECTIVITY DETAILS FOR ADDITIONAL INFORMATION. -IF P INDICATES OUTLET FOR INTERACTIVE FLAT PANEL, MOUNTED AT 60" AFF. COORDINATE WITH MOUNTING BRACKET AND ARCHITECTURAL.
[Symbol]	274100	AUDIO/VIDEO OUTLET. REFER TO THE KEY NOTES ON FLOOR PLAN SHEET FOR OUTLET INFORMATION.
[Symbol]	274100	SOUND FIELD AUDIO/VIDEO OUTLET. REFER TO THE FACEPLATE DETAILS AND CONNECTIVITY DETAILS FOR ADDITIONAL INFORMATION.
[Symbol]	274100	WALL-MOUNTED ULTRA SHORT THROW PROJECTOR. REFER TO THE CONNECTIVITY DETAILS FOR ADDITIONAL INFORMATION.
[Symbol]	274100	CEILING-MOUNTED PROJECTOR. REFER TO THE CONNECTIVITY DETAILS FOR ADDITIONAL INFORMATION.
[Symbol]	115213	SINGLE POLE DOUBLE THROW WALL SWITCH
[Symbol]	115213	CEILING MOUNTED ELECTRIC PROJECTION SCREEN.
[Symbol]	115213	WALL MOUNTED ELECTRIC PROJECTION SCREEN.
[Symbol]	274000	AUDIO VISUAL CAMERA W/BROADCASTING CAPABILITIES.
[Symbol]	274000	DISPLAY MONITOR. "X" INDICATES SIZE OF MONITOR EQUIPPED WITH MOUNTING BRACKET. -IF P INDICATES INTERACTIVE FLAT PANEL. COORDINATE WITH ARCHITECTURAL.
[Symbol]	275120	SS--SOUND SYSTEM CABINET SUBSCRIPT; (G) GYM; (AG) AUX GYM; (D) DINING; (T) THEATER; (N) NATATORIUM; (M) MUSIC; (I) INSTRUMENTAL; (V) VOCAL ROOM.
[Symbol]	274100, 275120, 275127	WALL MOUNTED SPEAKER. "S" INDICATES SOUND SYSTEM. OTHER SPEAKERS INCLUDE: (PA) PUBLIC ADDRESS; (CS) CLASSROOM SOUND FIELD. SUBSCRIPT "V" INDICATES THAT THE SPEAKER IS VOLUME CONTROLLED.
[Symbol]	274100, 275120, 275127	CEILING MOUNTED SPEAKER. "S" INDICATES SOUND SYSTEM. OTHER SPEAKERS INCLUDE: (PA) PUBLIC ADDRESS; (CS) CLASSROOM SOUND FIELD. SUBSCRIPT "P" INDICATES PENDANT MOUNTED. SUBSCRIPT "V" INDICATES THAT THE SPEAKER IS VOLUME CONTROLLED.
[Symbol]	274100, 275120, 275127	WALL MOUNTED MICROPHONE OUTLET. SUBSCRIPT NUMBER INDICATES QUANTITY OF MIC OUTLETS REQUIRED. (BLANK IMPLIES ONLY ONE).
[Symbol]	274100, 275120, 275127	MICROPHONE FLOOR OUTLET. SUBSCRIPT NUMBER INDICATES QUANTITY OF OUTLETS REQUIRED. (BLANK IMPLIES ONLY ONE) FLOOR BOX SPECIFIED ON THE POWER PLANS UNLESS OTHERWISE NOTED.
[Symbol]	274100, 275120, 275127	HANGING MIC FROM CEILING.
[Symbol]	275120	SOUND SYSTEM WALL MOUNTED DIGITAL MEDIA INPUT PLATE (1) HDMI, (1) USB, (1) MINI STEREO, (1) DISPLAY PORT.
[Symbol]	275120	WALL MOUNTED MONITOR SPEAKER OUTLET. SUBSCRIPT NUMBER INDICATES QUANTITY OF OUTLETS REQUIRED. (BLANK IMPLIES ONE)
[Symbol]	275120	MONITOR SPEAKER FLOOR OUTLET. SUBSCRIPT NUMBER INDICATES QUANTITY OF OUTLETS REQUIRED (BLANK IMPLIES ONLY ONE). FLOOR BOX SPECIFIED ON THE POWER PLANS UNLESS OTHERWISE NOTED.
[Symbol]	274000, 275120	TOUCH PANEL - WALL MOUNTED AUDIO VIDEO CONTROL INTERFACE.
[Symbol]	273123	TELEPHONE HANDSET - PLACED ON DESKTOP.
[Symbol]	TIC	THEATER INTERCOM SPEAKER STATION. (TICM); PRODUCTION INTERCOM MAIN CONTROL.
[Symbol]	PII	PRODUCTION INTERCOM INPUT PLATE
[Symbol]	275116	PUBLIC ADDRESS HORN
[Symbol]	275127	CLASSROOM SOUNDFIELD INFRARED RECEIVER.
[Symbol]	275313	WALL-MOUNTED DUAL FACE CLOCK.
[Symbol]	275313	WALL-MOUNTED SINGLE FACE CLOCK.
[Symbol]	275313	WALL-MOUNTED SINGLE FACE PUBLIC ADDRESS IP SPEAKER WITH DIGITAL CLOCK DISPLAY, LED FLASHERS, AND TALKBACK MICROPHONE.
[Symbol]	275313	WALL-MOUNTED DUAL FACE PUBLIC ADDRESS IP SPEAKER WITH DIGITAL CLOCK DISPLAY, LED FLASHERS, AND TALKBACK MICROPHONE.
[Symbol]	275313	WALL-MOUNTED DUAL FACE DIGITAL CLOCK DISPLAY AND LED FLASHERS.
[Symbol]	275313	WALL-MOUNTED DUAL FACE DIGITAL CLOCK DISPLAY AND LED FLASHERS.

SECURITY SYMBOLS

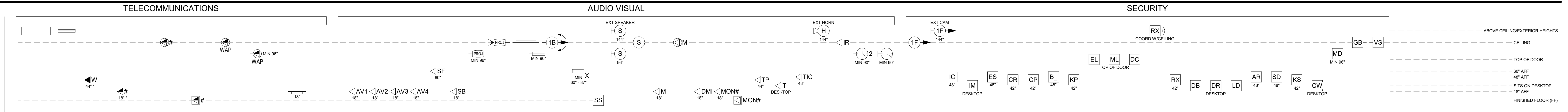
SYMBOL	SECTION	DESCRIPTION
[Symbol]	282300	SINGLE SENSOR FIXED IP-CCTV SECURITY CAMERA. PROVIDE (1) UTP CABLE AND OUTLET.
[Symbol]	282300	DUAL SENSOR FIXED IP-CCTV SECURITY CAMERA. PROVIDE (1) UTP CABLE AND OUTLET.
[Symbol]	282300	SINGLE SENSOR PTZ IP-CCTV SECURITY CAMERA. PROVIDE (1) UTP CABLE AND OUTLET.
[Symbol]	282300	QUAD SENSOR FIXED IP-CCTV SECURITY CAMERA. PROVIDE (1) UTP CABLE AND OUTLET.
[Symbol]	282300	QUAD SENSOR 180 DEGREE FIXED IP-CCTV SECURITY CAMERA. PROVIDE (1) UTP CABLE AND OUTLET.
[Symbol]	282300	SINGLE SENSOR 360 DEGREE FIXED IP-CCTV SECURITY CAMERA. PROVIDE (1) UTP CABLE AND OUTLET.
[Symbol]	281523	INTERCOM DOOR STATION
[Symbol]	281523	INTERCOM DOOR STATION W/VIDEO
[Symbol]	281523	MASTER INTERCOM DOOR STATION
[Symbol]	281523	EMERGENCY CALL STATION
[Symbol]	281300	CARD READER
[Symbol]	281300	CARD READER WITH PIN PAD
[Symbol]	281300	BIOMETRIC READER DEVICE ("_" INDICATES F-FINGER, H-HAND, I-IRIS, S-SIGNATURE, V-VOICE)
[Symbol]	281300	ARM/DISARM KEYPAD
[Symbol]	281300	ELECTRIC LOCK
[Symbol]	281300	MAGNETIC LOCK
[Symbol]	281300	DOOR CONTACT
[Symbol]	281300	REQUEST TO EXIT MOTION
[Symbol]	281300	REQUEST TO EXIT PUSH BUTTON
[Symbol]	281300	DURESS BUTTON
[Symbol]	281300	DOOR RELEASE STATION
[Symbol]	281300	LOCK DOWN BUTTON
[Symbol]	281300	AREA OF REFUGE
[Symbol]	281300	SCREENING DEVICE
[Symbol]	281300	KEY SWITCH
[Symbol]	281300	CLIENT WORKSTATION
[Symbol]	281300	MOTION DETECTOR
[Symbol]	281300	GLASS BREAK SENSOR
[Symbol]	281300	VIBRATION SENSOR
[Symbol]	281300	WIRELESS LOCK
[Symbol]	281300	WIRELESS LOCK GATEWAY

ABBREVIATIONS

A	AMPERES
ABO	ALTERNATIVE BID OPTIONS
AC	ABOVE COUNTER
ACS	ACCESS CONTROL SYSTEM
AF	ABOVE FINISHED FLOOR
AF	ABOVE FINISHED CEILING
AFJ	AUTHORITY HAVING JURISDICTION
AL	ALUMINUM
ANNUN	ANNUNCIATOR
ARCH	ARCHITECT
ATS	AUTOMATIC TRANSFER SWITCH
AV	AUDIO VISUAL
AVOIP	AUDIO VISUAL OVER INTERNET PROTOCOL
AWG	AMERICAN WIRE GAUGE
BFG	BELOW FINISHED GRADE
BKBD	BACKBOARD
BUILDG	BUILDING
BOTT	BOTTOM
C	CONDUIT
CAB	CABINET
CAT	CATEGORY
CATV	COMMUNITY ANTENNA TELEVISION
CCTV	CLOSED CIRCUIT TELEVISION
CF	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CFI	CIRCUIT
CKT	CIRCUIT
CLG	CEILING
CLST	CLOSED
CO	COMMUNICATIONS OUTLET
COAX	COAXIAL
COMM	COMMUNICATIONS
CT	CABLE TRAY
CU	COPPER
CB	CIRCUIT BREAKER
CB	CURRENT TRANSFORMERS
Δ	DELTA
DC	DIRECT CURRENT
DEG	DEGREE
DEMO	DEMOLITION
DEPT	DEPARTMENT
DIA	DIAMETER
DISC	DISCONNECT
DIST	DISTRIBUTION
DN	DOWN
Dp	DEEP OR DEPTH
DPT	DOUBLE POLE DOUBLE TRANSFER
DWG	DRAWING
EA	EACH
EC	ELECTRICAL CONTRACTOR
EES	EARTH ELECTRODE SYSTEM
EF	ENTRANCE FACILITY
ELEC	ELECTRIC, ELECTRICAL
EMT	ELECTRIC METALLIC TUBING
EQUIP	EQUIPMENT
ER	EQUIPMENT ROOM
ESS	ELECTRONIC SAFETY & SECURITY
EXIST	EXISTING
FT	FEET
GND	GROUND
GEN	GENERATOR
GI	GROUND FAULT INTERRUPT
HH	HANDHOLE
IAW	IN ACCORDANCE WITH
IBC	INTERNATIONAL BUILDING CODE
IDF	INTERMEDIATE DISTRIBUTION FRAME
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
IP	INTERNET PROTOCOL
JB	JUNCTION BOX
KVA	KILOVOLTS - AMPERES
KW	KILOWATTS
LAN	LOCAL AREA NETWORK
MAX	MAXIMUM
MC	MAIN CROSS-CONNECT
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCM	THOUSAND CIRCULAR MILS
MER	MAIN EQUIPMENT ROOM
MH	MAINTENANCE HOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MILO	MAIN LISTS ONLY
MM	MULTIMODE FIBER
MMS	MASS NOTIFICATION SYSTEM
MON	MONITOR
MTD	MOUNTED
MTG	MOUNTING
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT CIRCUIT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OC	ON CENTER
OF	OPTIC FIBER CABLE
OFOI	OWNER FURNISHED OWNER INSTALLED
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OCF	OWNER INSTALLED CONTRACTOR FURNISHED
OM3	LASER OPTIMIZED MULTIMODE, CLASS 3
OS	OCCUPANCY SENSOR
OSP	OUTSIDE PLANT
PB	PULL BOX
PET	PROTECTED ENTRANCE TERMINAL
PR	PAIR
PT	POKE THRU
PTZ	PAN-TILT-ZOOM
PVC	POLYVINYL CHLORIDE
PWR	POWER
R	RECESSED
RGS	RIGID GALVANIZED STEEL
RM	ROOM
RMC	RIGID METAL CONDUIT
RU	RACK UNIT
SCR	SHORT CIRCUIT RATING
SCTP	SCREENED TWISTED PAIR
SF	SQUARE FEET
SHT	SHEET
SPEC	SPECIFICATIONS
STD	STANDARD
SURF	SURFACE
TBD	TO BE DETERMINED
TEL	TELEPHONE
TER	TELECOMMUNICATIONS EQUIP. ROOM
TR	TELECOMMUNICATIONS ROOM
TV	TELEVISION
TYP	TYPICAL
UIG	UNDERGROUND
UL	UNDERWRITERS LABORATORIES
UNIV	UNIVERSAL
UON	UNLESS OTHERWISE NOTED
UTP	UNSHIELDED TWISTED PAIR
V	VOLTS
VIF	VERIFY IN FIELD
VOP	VOICE OVER INTERNET PROTOCOL
VSS	VIDEO SURVEILLANCE SYSTEM
W	WATTS
W/	WITH
WAP	WIRELESS ACCESS POINT
WP	WEATHERPROOF
WPG	WEATHERPROOF WITH GROUND
XFMR	TRANSFORMER
XP	EXPLOSION PROOF
Y	WYE
3R	NEMA 3R ENCLOSURE
4X	NEMA 4X ENCLOSURE

TYPICAL COMPONENT MOUNTING HEIGHTS

NOTES
 - ALL DIMENSIONS SHOWN ARE ABOVE FINISHED FLOOR (AFF) OR ABOVE GRADE (AG) TO CENTERLINE OF COMPONENT.
 - USE STANDARD MOUNTING HEIGHTS UNLESS OTHERWISE NOTED. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL MOUNTING HEIGHT DETAILS. PROJECT PLANS AND DETAILS MAY PROVIDE ADDITIONAL GUIDANCE.



GENERAL NOTES

- 1 NOT ALL NOTES INDICATED ON THIS SHEET MAY BE APPLICABLE FOR ALL PROJECT CONDITIONS. NOTES APPEARING ON VARIOUS DRAWINGS FOR DIFFERENT SYSTEMS AND MATERIALS ARE TO BE REVIEWED, COORDINATED AND ARE TO BE APPLIED TO ALL RELATED DRAWINGS AND DETAILS.
2 THE DRAWINGS INDICATE THE QUANTITY, TYPE AND GENERAL LOCATION OF VOICE/DATA/CATV/AUDIO/VIDEO OUTLETS REQUIRED IN EACH SPACE. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, AND PROJECT MANAGEMENT NECESSARY FOR A TURNKEY SYSTEM.
3 ALL MATERIALS SPECIFIED OR NOTED SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
4 THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS, LICENSES, AND ALL UTILITY CHARGES, AND ARRANGE FOR ALL REQUIRED INSPECTIONS.
5 REFER TO THE ARCHITECTURAL INTERIOR ELEVATIONS FOR DEVICE LOCATIONS AND MOUNTING HEIGHTS FOR ADDITIONAL DETAILS. COORDINATE EXACT DEVICE LOCATIONS PRIOR TO ROUGH-IN.
6 ALL BIDDERS SHALL VISIT AND EXAMINE THE SITE. ANY DISCREPANCIES BETWEEN DRAWINGS AND SPECIFICATIONS SHALL BE PROMPTLY BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION DURING THE BIDDING PERIOD. NO ALLOWANCE SHALL BE MADE TO THE CONTRACTOR FOR FAILURE TO IDENTIFY DISCREPANCIES DURING THE BIDDING PERIOD.
7 THE CONTRACTOR SHALL INCLUDE ALL OVERTIME AND PREMIUM TIME WORK THAT MUST BE PERFORMED DURING THE PERIOD OF PERFORMANCE. NO ADDITIONAL COMPENSATION WILL BE AWARDED FOR OVERTIME WORK.
8 COORDINATE EXACT LOCATIONS OF EQUIPMENT WITH OTHER TRADES. VERIFY EXACT WIRING AND CONNECTION REQUIREMENTS WITH SUBMITTAL DOCUMENTS BEFORE INSTALLATION. SPECIALTY OUTLET TYPES SHALL BE VERIFIED BEFORE ORDERING. ALL ELECTRICAL AND COMMUNICATION WORK SHOWN HERE MUST BE VERIFIED AND COORDINATED IN FIELD BEFORE INSTALLATION.
9 THE CONTRACTOR SHALL PROTECT ALL EXISTING AND NEW CONSTRUCTION FROM DAMAGE. EXISTING CEILINGS, WALLS, FLOORS AND ALL OTHER BUILDING COMPONENTS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION IF DAMAGED. ALL DAMAGES TO THE BUILDING OR ITS CONTENTS SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR RESPONSIBLE FOR THE DAMAGE TO THE OWNERS SATISFACTION.
10 ALL NEW CONSTRUCTION SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG) AND CHAPTER 11 OF THE INTERNATIONAL BUILDING CODE.
11 ALL WORK REQUIRING POWER OR COMMUNICATION OUTAGES OR DISRUPTION OF OWNER FUNCTIONS SHALL BE COORDINATED WITH THE PROJECT ENGINEER, OWNER AND OWNER ITS DEPARTMENT. REQUESTS FOR, NOTIFICATIONS OF, AND APPROVALS FOR OUTAGES AND DISRUPTIONS SHALL BE MADE TO OWNER AND THE ENGINEER IN WRITING, 2 WEEKS PRIOR TO THE REQUESTED OUTAGE DATE. OUTAGES SHALL NORMALLY OCCUR DURING THE OWNERS 'OFF' HOURS.
12 ALL COMMUNICATION WORK SHALL BE INSTALLED BY CERTIFIED CONTRACTORS AND THEIR EMPLOYEES PER THE CONTRACT DOCUMENTS.
13 THE CONTRACTOR SHALL COORDINATE ALL EQUIPMENT INSTALLATION TO MAINTAIN HEADROOM AND KEEP OPENINGS AND PASSAGEWAYS CLEAR. THE CONTRACTOR SHALL COORDINATE SYSTEMS INSTALLATION TO MINIMIZE CONFLICT WITH EXISTING BUILDING UTILITIES AND OTHER TRADES WORK.
14 THE CONTRACTOR SHALL VERIFY EQUIPMENT RACK AND CABINET PLACEMENT AND LAYOUT WITH OWNER AND OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
15 ANY LOW VOLTAGE CABLING IN AN OPEN-CEILING AREA (EXAMPLE GYMNASIUM) SHALL BE INSTALLED IN CONDUIT TO THE NEAREST ACCESSIBLE CABLE TRAY OR TELECOM ROOM (TR) UNLESS NOTED OTHERWISE.
16 ALL INSTALLATIONS OF EXPOSED EQUIPMENT SHALL BE COORDINATED WITH ASSOCIATED ARCHITECTURAL DETAILS TO MEET THE ARCHITECT'S APPEARANCE. ALL WIRING, CONDUITS, BACK BOXES AND OTHER ASSOCIATED CONNECTIONS SHALL BE CONCEALED BEHIND EQUIPMENT OR WITHIN EXPOSED MOUNTED BRACKETS. EXPOSED WIRING IS PROHIBITED.
17 THE COLOR AND FINISH OF ALL EXPOSED DEVICES IN PUBLIC AREAS SHALL BE REVIEWED AND APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION.
18 ALL CONDUIT FRAMING SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. CONDUITS SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO WALLS. ANGLED CONDUITS ARE PROHIBITED.
19 INCLUDE ALL REQUIRED JUNCTION AND PULL BOXES REGARDLESS OF INDICATION ON THE DRAWINGS (WHICH DUE TO THE SYMBOLIC METHODS OF NOTATION, MAY BE OMITTED).
20 PULL-BOXES SHALL BE PROVIDED WHERE THE COMBINED SUM OF THE BENDS EXCEEDS 180 DEGREES AND/OR EVERY 100 LINEAR FEET. THE BEND RADIUS FOR CONDUITS SHALL BE 10X THE OUTSIDE DIAMETER FOR OPTICAL FIBER AND 4X THE OUTSIDE DIAMETER FOR MULTIPAIR COPPER.
21 PROVIDE LONG SWEEPING BENDS FOR AL COMMUNICATIONS CONDUITS 2-INCHES AND LARGER. LB FITTINGS FOR COMMUNICATION CONDUITS ARE PROHIBITED.
22 PROVIDE PULL TAPE IN ALL EMPTY CONDUIT AND INNERDUCT. PULL TAPE SHALL BE RATED FOR 200 LBS IN ALL CONDUIT.
23 CABLE TRAY SHALL BE TRAPEZE OR CANTILEVER MOUNTED ONLY. BOND ALL SECTIONS OF TRAY TOGETHER WITH MANUFACTURER APPROVED BONDING METHOD PER NEC. ALL CABLE TRAY TO BE 12-INCHES WIDE. UON. CABLE TRAY SHALL BE PROVIDED WITH 25 PERCENT SPARE CAPACITY.
24 PROVIDE A MINIMUM OF FOUR (4) CONDUITS BETWEEN STACKED CLOSETS ON SUCCESSIVE FLOORS.
25 ALL COMMUNICATIONS OUTLET BOXES SHALL BE A 4 1/16-INCH SQUARE BY 2 1/2-INCH DEEP WITH A MUD RING UON. PROVIDE A MINIMUM OF ONE (1) 1-INCH CONDUIT FOR ALL COMMUNICATIONS OUTLET BOXES. REFER TO COMMUNICATIONS DETAILS FOR SPECIFIC OUTLET BOX AND CONDUIT QUANTITY AND SIZE INFORMATION.
26 ALL EQUIPMENT SHALL BE NEW, UON.
27 BOND ALL METALLIC EQUIPMENT, RACKS, CABINETS, CABLE TRAY, CONDUITS, SLEEVES, ETC. TO THE TELECOMMUNICATIONS MAIN GROUND BUS WITH 2-HOLE NON-TWISING LUGS. ALL CONDUITS SHALL BE REAMED WITH BUSHINGS INSTALLED.
28 PROVIDE ALL CORE DRILLING, CUTTING, AND PATCHING AND RESTORATION OF ALL FINISHED AREAS REQUIRED TO INSTALL ALL CONDUITS, SLEEVES, BOXES, ETC. SEAL ALL CORE DRILLS AFTER RACEWAY, CONDUITS, ETC. ARE INSTALLED.
29 PLACEMENT OF UNAUTHORIZED CABLING IN THE COMMUNICATIONS PATHWAYS I.E. CABLETRAY, J HOOKS, RACEWAY, ETC. IS PROHIBITED.
30 ALL SLEEVES AND PENETRATIONS SHALL BE ACOUSTICALLY AND FIRE TREATED TO MEET WALL RATING. FIRESTOPPING ASSEMBLIES SHALL BE PROVIDED AT PENETRATIONS OF CONDUITS, BUS DUCTS, CABLES, CABLE TRAYS AND OTHER COMMUNICATIONS ITEMS. REFER TO THE THROUGH PENETRATION FIRESTOPPING SPECIFICATION FOR COMPLETE REQUIREMENTS.

GENERAL DEMOLITION NOTES

- 1 CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS WITH RESPECT TO MATERIALS AND DIMENSIONS TO DETERMINE THE EXACT EXTENT OF DEMOLITION WORK.
2 AREAS INDICATED FOR DEMOLITION ARE APPROXIMATE. THERE MAY BE CONDITIONS WHERE DEMOLISHED UTILITIES ARE NOT WHERE INDICATED ON DRAWINGS. FULL EXTENT OF DEMOLITION SHALL BE DETERMINED AT THE JOB SITE BY THE CONTRACTOR.
3 ALL NECESSARY CARE SHALL BE TAKEN DURING DEMOLITION AND CONSTRUCTION TO PREVENT DAMAGE TO ADJACENT MATERIALS AND CONCEALED MECHANICAL, ELECTRICAL, PLUMBING, AND OTHER ITEMS.
4 PRIOR TO COMMENCING DEMOLITION WORK, VERIFY ALL UTILITIES HAVE BEEN TURNED OFF AND/OR CAPPED AS REQUIRED IN AREAS WHERE DEMOLITION IS TO OCCUR.
5 DISCREPANCIES BETWEEN THE CONSTRUCTION DOCUMENTS AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
6 SEE ARCHITECTURAL, FIRE PROTECTION, PLUMBING, MECHANICAL, ELECTRICAL, AND STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
7 ALL WORK AND EQUIPMENT SHALL CONFORM TO NEC. THE MEANS AND METHODS USED BY THIS CONTRACTOR SHALL CONFORM TO NEC SECTION 110-3 (a AND b).
8 WHERE INDICATED, ALL FIBER CABLE, DATA CABLE, RF CABLE, AND AUDIO-VISUAL CABLING SHALL BE DISCONNECTED AND REMOVED FROM THE OUTLET BOXES TO THEIR SOURCE ENDPOINTS.
9 CONTRACTOR SHALL REMOVE TELECOMMUNICATIONS DATA OUTLETS, EQUIPMENT, CABLING AND ALL RELATED ITEMS. PROPERLY DISPOSE OR RECYCLE ALL DEMOLISHED ITEMS PER LOCAL CODE AND AHJ REQUIREMENTS.
10 IN EXISTING COMMUNICATIONS ROOMS, THE CONTRACTOR SHALL COORDINATE THE EXTENT OF COMMUNICATIONS DEMOLITION WITH THE OWNER.

GENERAL OUTSIDE PLANT (OSP) NOTES

- 1 THE LOCATION OF EQUIPMENT AND STRUCTURES SHOWN ON THE PLANS ARE APPROXIMATE. THERE IS NO GUARANTEE AS TO THEIR ACCURACY. THE CONTRACTOR SHALL VERIFY THE LOCATION OF EQUIPMENT WITH THE OWNER AND EXERCISE CAUTION WHEN PERFORMING WORK IN THE AREA.
2 FIELD COORDINATE LOCATION OF NEW EQUIPMENT IAW APPLICABLE CODES.
3 PRIVATE PROPERTY: TRENCHES ON PRIVATE PROPERTY AND AREAS NOT SUBJECT TO VEHICULAR TRAFFIC MAY BE BACKFILLED WITH NATIVE MATERIAL AND SHALL BE PLACED IN 12" MAXIMUM LOOSE LIFTS AND COMPACTED TO 80% MAXIMUM DENSITY PER ASTM D1557.
4 NATIVE BACKFILL: REFER TO SOIL REPORTS.
5 COMPACTION: ALL COMPACTION SHALL BE BY HAND-OPERATED, PLATETYPE, VIBRATORY, OR OTHER SUITABLE HAND-TAMPERS IN AREAS NOT ACCESSIBLE TO LARGER ROLLERS OR COMPACTORS. EXTREME CARE SHALL BE TAKEN TO AVOID DAMAGE TO CONDUITS, PIPES, AND ANY APPURTENANCES. WATER DENSIFICATION BY INUNDATION OR JETTING SHALL NOT BE PERMITTED WITHOUT PRIOR WRITTEN APPROVAL FROM COMMUNICATIONS DESIGNER OF RECORD.
6 OBTAIN THE SIGNATURE OF THE OWNER AND OWNER'S REPRESENTATIVE SIGNIFYING THE ACCEPTABILITY OF THE DUCT PLACEMENT PRIOR TO POURING ANY CONCRETE FOR THE DUCT BANK.
7 INSTALL A PERMANENT TRACER WIRE (POLYETHYLENE INSULATED), CENTRALLY LOCATED IN TOP OF CONDUIT FORMATION, OF EACH COMMUNICATIONS DUCT BANK AND CORRESPONDING STUB OUTS. COMPRESSION TYPE CONNECTORS SHALL BE USED FOR ALL SPLICES. TEST THE WIRE FOR CONTINUITY AFTER INSTALLATION AND PROVIDE THE TEST RESULTS WITH THE AS BUILT DOCUMENTS. THE TRACER WIRE SHALL BE INSTALLED INTO ALL MAINTENANCE HOLES AND HAND HOLES.
8 JOINTS BETWEEN NON-IDENTICAL DUCT BANK COMPONENTS SHALL USE THE APPROPRIATE CONNECTORS SPECIFICALLY DESIGNED FOR THE PURPOSE.
9 FOR DRAINAGE REQUIREMENTS SLOPE DUCT BANKS A MINIMUM OF 4-INCHES PER 100'-FEET MINIMUM TOWARD EACH MAINTENANCE HOLE OR HAND HOLE.
10 CHANGES IN DIRECTION OF RUNS EXCEEDING A TOTAL OF 10 DEGREES, EITHER VERTICALLY OR HORIZONTALLY ARE TO BE ACCOMPLISHED WITH LONG SWEEPING BENDS HAVING A MINIMUM RADIUS OF 7.62M (25'). BENDS ARE NOT TO CHANGE THE INTERNAL DIAMETER OF THE DUCT. THERE SHALL BE NO MORE THAN THE EQUIVALENT OF TWO (2) 90 DEGREE BENDS TOTALING 180 DEGREES BETWEEN PULL POINTS INCLUDING OFFSETS AND KICKS. BACK TO BACK 90 DEGREE BENDS ARE TO BE AVOIDED.

GENERAL OUTSIDE PLANT (OSP) NOTES

- 11 DUCT SHALL BE INSTALLED AS STRAIGHT AS POSSIBLE BETWEEN MAINTENANCE HOLES TO MINIMIZE SIDE WALL PRESSURE DURING CABLE INSTALLATION. DO NOT MAKE UNNECESSARY DIRECTION CHANGES.
12 THE TRANSITIONING OF DUCTS FROM THE LOWER MAINTENANCE HOLE WINDOW TO THE NOMINAL TRENCH DEPTH SHALL BE ACCOMPLISHED NO LESS THAN 30 FEET FROM THE MAINTENANCE HOLE TO REDUCE THE RADIUS OF THE BENDS.
13 COMMUNICATIONS DUCT BANK SHALL ENTER THE LOWEST AVAILABLE WINDOW OF THE MAINTENANCE HOLE.
14 PROVIDE A PULL STRING RATED AT LEAST 200LBS TENSILE STRENGTH AFTER DUCTS HAVE UNDERGONE CLEANING. PROVIDE A MECHANICALLY EXPANDABLE, REUSABLE RUBBER PLUG FOR EACH VACANT DUCT.
15 REINFORCED DUCT BANKS SHALL BE STEEL BAR REINFORCED PER THE DIMENSIONS SHOWN ON THE DUCT BANK DETAIL DRAWINGS.
16 REINFORCE ALL NEW DUCT BANKS WITHIN 5-FEET OF MAINTENANCE HOLES AND HAND HOLES.
17 REFER TO THE SPECIFICATIONS FOR MAINTENANCE HOLE AND HAND HOLE EQUIPMENT AND ACCESSORIES.
18 THE TERMS MANHOLE AND MAINTENANCE HOLE ARE INTERCHANGEABLE.

GENERAL TELECOM NOTES

- 1 ALL WORK SHALL COMPLY WITH APPLICABLE TIA/EIA/BICSI STANDARDS.
2 FIELD COORDINATE THE LOCATION OF COMMUNICATIONS EQUIPMENT IN ALIGNMENT WITH APPLICABLE CODES.
3 THE CONTRACTOR SHALL COORDINATE DEVICE OUTLET LOCATIONS WITH ARCHITECTURAL AND CASEWORK DRAWINGS PRIOR TO ROUGH-IN. REPORT ANY CONFLICTS TO THE CM, ARCHITECT, AND ENGINEER FOR RESOLUTION.
4 ALL COMMUNICATIONS CABLING SHALL BE INSTALLED IN CONDUITS, CABLE TRAY, OR AN APPROVED RACEWAY SYSTEM. WHERE CABLE TRAY, CONDUIT, OR RACEWAY IS NOT AVAILABLE ALL CABLES SHALL BE INSTALLED IN J-HOOKS SUPPORTED EVERY 6-FEET. SUFFICIENT IN SIZE TO HANDLE ALL BUNDLED CABLES WHILE MINIMIZING CRUSHING. COPPER AND FIBER OPTIC CABLES WILL BE DIVIDED INTO SEPARATE BUNDLES AND INSTALLED IN SEPARATE J-HOOKS. IF CABLE SLACK EXCEEDS 12-INCHES BETWEEN SUPPORTS, ADDITIONAL SUPPORTS WILL BE INSTALLED TO TAKE UP SLACK AND RELIEVE CABLE STRESS.
5 CATEGORY 5E/6A CABLES SHALL BE CONTINUOUS FROM TELECOM ROOM TO WORK AREA OUTLET AND FREE FROM SPLICES, REVERSES, GROUNDS, OR OTHER CONNECTIONS. PROVIDE A 5-FOOT SERVICE LOOP IN THE CEILING (AT THE WORK AREA END) FOR EACH HORIZONTAL CABLE.
6 DO NOT INSTALL CATEGORY 5E/6A HORIZONTAL CABLES THAT EXCEED 90 METERS.
7 ALL COPPER TERMINATION HARDWARE SHALL BE 110 STYLE IDC, UON.
8 COMMUNICATIONS CABLING SHALL NOT BE SPLICED, UON.
9 COMMUNICATIONS CONDUIT FILL CAPACITIES ARE GOVERNED BY THE NFPA-70 (NEC) AND SHALL BE FOLLOWED. DO NOT EXCEED 40 PERCENT FILL ON ANY COMMUNICATIONS CONDUIT.
10 CAREFULLY LAY ALL CABLE WITH APPROPRIATE RADIUS OF CURVATURE AND PROTECT AT BENDS AND CORNERS. OBSERVE MINIMUM BEND RADIUS AND TENSION LIMITATIONS AS SPECIFIED BY TIA. ANY ADDITIONAL SLEEVES AND/OR PENETRATIONS REQUIRED FOR THE INSTALLATION OF COMMUNICATIONS SYSTEM CABLING NOT SHOWN ON THESE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
11 THE CONTRACTOR SHALL ENSURE THAT ALL INSTALLED CABLES ARE FREE FROM TWISTS, KINKS, SHARP BENDS, CUTS, GOUGES OR ANY OTHER PHYSICAL DAMAGE.
12 MONITOR CABLE PULL TENSION TO ENSURE MANUFACTURER'S RECOMMENDATIONS AND INDUSTRY STANDARDS ARE NOT EXCEEDED.
13 ALL CATEGORY 5E/6A CABLING MAY BE ROUTED IN THE SAME PATHWAY.
14 THE CONTRACTOR SHALL ENSURE ALL CATEGORY 5E/6A CABLING IS SEPERATED FROM LIGHTING, POWER, 70-VOLT AUDIO, MICROPHONE LEVEL, RF, AND SPEAKER LEVEL CIRCUITS IAW TIA-568 GENERIC TELECOMMUNICATIONS CABLING FOR CUSTOMER PREMISES.
15 CABLEING ASSOCIATED WITH THE WIRELESS ACCESS POINTS SHALL BE PROVIDED WITH A COIL OF CABLE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ADJUST THE LOCATIONS OF THE WIRELESS ACCESS POINTS, AS REQUIRED, AFTER CONDUCTING A SITE VERIFICATION SURVEY TO ENSURE COVERAGE THROUGHOUT THE FACILITY.
16 ALL HORIZONTAL AND BACKBONE COMMUNICATIONS CABLING SHALL BE PLENUM RATED, UON. ANY LOW VOLTAGE DEVICE INSTALLED IN A PLENUM-RATED ENVIRONMENT MUST BE RATED FOR PLENUM USE.
17 ALL COMMUNICATIONS CABLING INSTALLED UNDER THE FLOOR SLAB SHALL BE WET-LISTED. CONCEAL CABLING WITHIN CONDUIT BACK TO THE TERMINATION LOCATION OR TRANSITION TO PLENUM RATED CABLING ABOVE THE CEILING.
18 ALL COMMUNICATIONS CABLING SHALL BE PROTECTED FROM EXPOSURE TO PAINT OR ANY OTHER FOREIGN MATERIAL THAT WOULD NEGATIVELY IMPACT THE VALIDITY OF THE MANUFACTURER'S PERFORMANCE WARRANTY. IF ANY CABLE IS EXPOSED TO PAINT AT ANY POINT, REGARDLESS OF THE AMOUNT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING THE CABLE(S) AFFECTED AND WILL REPLACE THE CABLE(S) AT NO COST TO THE OWNER PER THE INSTALLATION SPECIFICATIONS INCLUDING TESTING.
19 PROVIDE ALL COPPER PATCH CORDS AND OPTICAL FIBER JUMPERS AT BOTH THE WORK AREA AND TELECOM ROOM ENDS. REFER TO THE SPECIFICATIONS FOR ADDITIONAL DETAILS.
20 ALL LABELING SHALL COMPLY WITH TIA-606 ADMINISTRATION STANDARD FOR TELECOMMUNICATIONS INFRASTRUCTURE. PROVIDE LABELING FOR ALL MODULAR OUTLETS, FACEPLATES, PATCH PANELS, CABLES, PATCH CABLES, FIBER SPLICE TRAYS, RACKS, CABINETS, TMBG/TGBS, ETC. REFER ELSEWHERE IN THE DRAWINGS AND SPECIFICATIONS FOR THE OWNER'S EXACT REQUIREMENTS.
21 TELECOMMUNICATIONS FACEPLATES SHALL MATCH ELECTRICAL SWITCH AND ELECTRICAL RECEPTACLE PLATE FINISHES. EQUIPMENT CABINETS AND PATCH PANELS SHALL BE ARRANGED TO ALLOW FOR A NATURAL WIRING PROGRESSION IN FUNCTIONAL FIELDS. MINIMIZE CROSSING OF WIRES AND ALLOW FOR EASY ACCESS TO ALL COMPONENTS.
22 SURFACE MOUNTED RACEWAY SHALL BE USED BELOW LAY-IN CEILING IN REMOLDED AREA WHERE CONDUIT, WIRING AND DEVICES CANNOT BE CONCEALED. PROVIDE WIREMOLD 4000 SERIES OR EQUAL, UON. PROVIDE COMPLETE WITH ALL FITTINGS, BARRIERS, COVERS AND MOUNTING ACCESSORIES AS RECOMMENDED BY THE MANUFACTURER. COORDINATE ROUTING OF RACEWAY WITH ARCHITECT PRIOR TO ROUGH-IN.

GENERAL AUDIO VISUAL NOTES

- 1 SUPPLY ALL JACKS, RACKS, WIRE, CABINTRY, CONNECTORS, MATERIALS, PARTS, EQUIPMENT AND LABOR NECESSARY FOR THE COMPLETE INSTALLATION OF THE SYSTEMS, IN FULL ACCORDANCE WITH THE RECOMMENDATIONS OF THE EQUIPMENT MANUFACTURERS AND WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
2 REFER TO FLOW DIAGRAMS, RISERS, AND SPECIFICATIONS FOR COMPLETE OPERATIONAL REQUIREMENTS. CONTRACTOR IS TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM.
3 WHERE SIGNAL TYPES ARE PROVIDED AND NO CABLE TYPE INDICATED THE CONTRACTOR SHALL PROVIDE THE APPROPRIATE INTERCONNECT CABLE BASED ON THE SIGNAL TYPE REQUIREMENTS.
4 ALL JUNCTION BOXES IN WALLS AND CEILINGS SHALL BE FLUSH MOUNTED. CONDUITS SHALL BE CONCEALED, UON.
5 STRUCTURAL SUPPORT FOR AUDIOVISUAL EQUIPMENT SHALL BE PROVIDED BY OTHERS AT LOCATIONS DESIGNATED ON THESE DRAWINGS. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, BLOCKING FOR WALL MOUNTED DEVICES AND OVERHEAD SUPPORT FOR CEILING MOUNTED PROJECTORS AND PROJECTION SCREENS. REFER TO ARCHITECTURAL DRAWINGS FOR SUPPORT DETAILS AND REQUIREMENTS.
6 CEILING MOUNTED SPEAKER ENCLOSURES SHALL BE SUPPORTED FROM OVERHEAD STRUCTURE.
7 ALL EXPOSED INTERCONNECT CABLES SHALL BE MOLDED CONNECTOR TYPE. FIELD TERMINATED INTERCONNECT CABLES ARE PROHIBITED.
8 FURNITURE LAYOUT INDICATED ON DRAWINGS IS NOT FINAL AND MAY DIFFER. COORDINATE FINAL FURNITURE CONFIGURATION WITH OWNER PRIOR TO FABRICATION/CONSTRUCTION.
9 TERMINAL BLOCK, BOARDS, STRIPS, OR CONNECTORS SHALL BE FURNISHED FOR ALL CABLES, WHICH INTERFACE WITH RACKS, CABINETS, CONSOLES, OR EQUIPMENT MODULES.
10 ROUTE ALL CABLE AND WIRING WITHIN EQUIPMENT RACKS ACCORDING TO FUNCTION, SEPARATING WIRES OF DIFFERENT SIGNAL LEVELS (MICROPHONE, LINE LEVEL, AMPLIFIER OUTPUT, AC, ETC.) BY AS MUCH DISTANCE AS POSSIBLE. NEATLY ARRANGE AND BUNDLE ALL CABLE LOOSELY WITH HOOK-N-LOOP TIES.
11 POWER CABLES, CONTROL CABLES, AND HIGH-LEVEL CABLES SHALL BE INSTALLED ON THE LEFT SIDE OF AN EQUIPMENT RACK, AS VIEWED FROM THE REAR. ALL OTHER CABLES SHALL BE INSTALLED ON THE RIGHT SIDE OF THE EQUIPMENT RACK, AS VIEWED FROM THE REAR.
12 CABLING WITHIN RACKS SHALL BE CONTAINED IN "FINGER TRAY" OR HOOK-N-LOOP TIED TO THE SIDE OF THE RACK IN A NEAT AND ORDERLY FASHION.
13 ALL CABLES ROUTED OUTSIDE OF RACKS AND CONDUIT SHALL BE CONTAINED IN A SUITABLE HARNESS OR WIREWAY TO MAINTAIN A NEAT AND CLEAN INSTALLATION.
14 OBSERVE PROPER CIRCUIT POLARITY AND LOUDSPEAKER WIRING POLARITY. NO CABLES SHALL BE WIRED WITH A POLARITY REVERSAL BETWEEN CONNECTIONS, AT EITHER END.
15 ALL CABLES SHALL BE CONTINUOUS LENGTHS WITHOUT SPLICES. ALL SYSTEM WIRE (EXCEPT SPARE WIRE, AFTER BEING CUT AND STRIPPED) SHALL HAVE THE WIRE STRAND TWISTED BACK TO THEIR ORIGINAL LAY AND BE TERMINATED BY APPROVED SOLDERED OR MECHANICAL MEANS.
16 CLEARLY AND PERMANENTLY LABEL ALL JACKS, CONTROLS, CONNECTIONS, AND SO FORTH. ALL LABELING SHALL BE COMPLETED PRIOR TO FINAL SYSTEM EQUALIZATION. HAND LABELING IS PROHIBITED.
17 ALL EQUIPMENT SHALL BE HELD FIRMLY IN PLACE WITH APPROPRIATE MOUNTING HARDWARE. ALL EQUIPMENT SHALL BE INSTALLED TO PROVIDE REASONABLE SAFETY TO THE OPERATOR. SUPPLY ADEQUATE VENTILATION FOR ALL ENCLOSED EQUIPMENT ITEMS WHICH PRODUCE HEAT.
18 A MOCK-UP AND MEETING SHALL OCCUR FOR TYPICAL PRESENTATION WALL TECHNOLOGY WHERE INTERACTIVE PROJECTORS AND/OR INTERACTIVE FLAT PANELS OCCUR. WALL SHALL BE FINISHED AND PROJECTOR MARKERBOARD AND/OR VISUAL WALL DISPLAY WALL COVERING, INTERACTIVE PROJECTOR AND/OR INTERACTIVE FLAT PANEL, DATA AND AV CONNECTIVITY, ELECTRICAL AND ALL ACCESSORIES SHALL BE INSTALLED. CONSTRUCTION MANAGER, ARCHITECT, PROJECTOR MARKERBOARD AND/OR VISUAL DISPLAY WALL COVERING INSTALLER/CONTRACTOR, TECHNOLOGY INSTALLER/CONTRACTOR, AND ELECTRICAL INSTALLER/CONTRACTOR SHALL BE PRESENT TO REVIEW MOCK-UP. PURPOSE OF MOCK-UP IS TO CONFIRM INTERACTIVE TECHNOLOGY IS FUNCTIONING AS INTENDED, THAT THERE IS PROPER COORDINATION BETWEEN THE WALL SURFACE, THE PROJECTOR MARKERBOARD OR VISUAL DISPLAY WALL COVERING AND THE INTERACTIVE PROJECTOR AND/OR INTERACTIVE FLAT PANEL. ALL FINAL MOUNTING HEIGHTS FOR DIFFERENT ROOMS AND SPACES SHALL BE CONFIRMED AT THE MOCK-UP REVIEW.

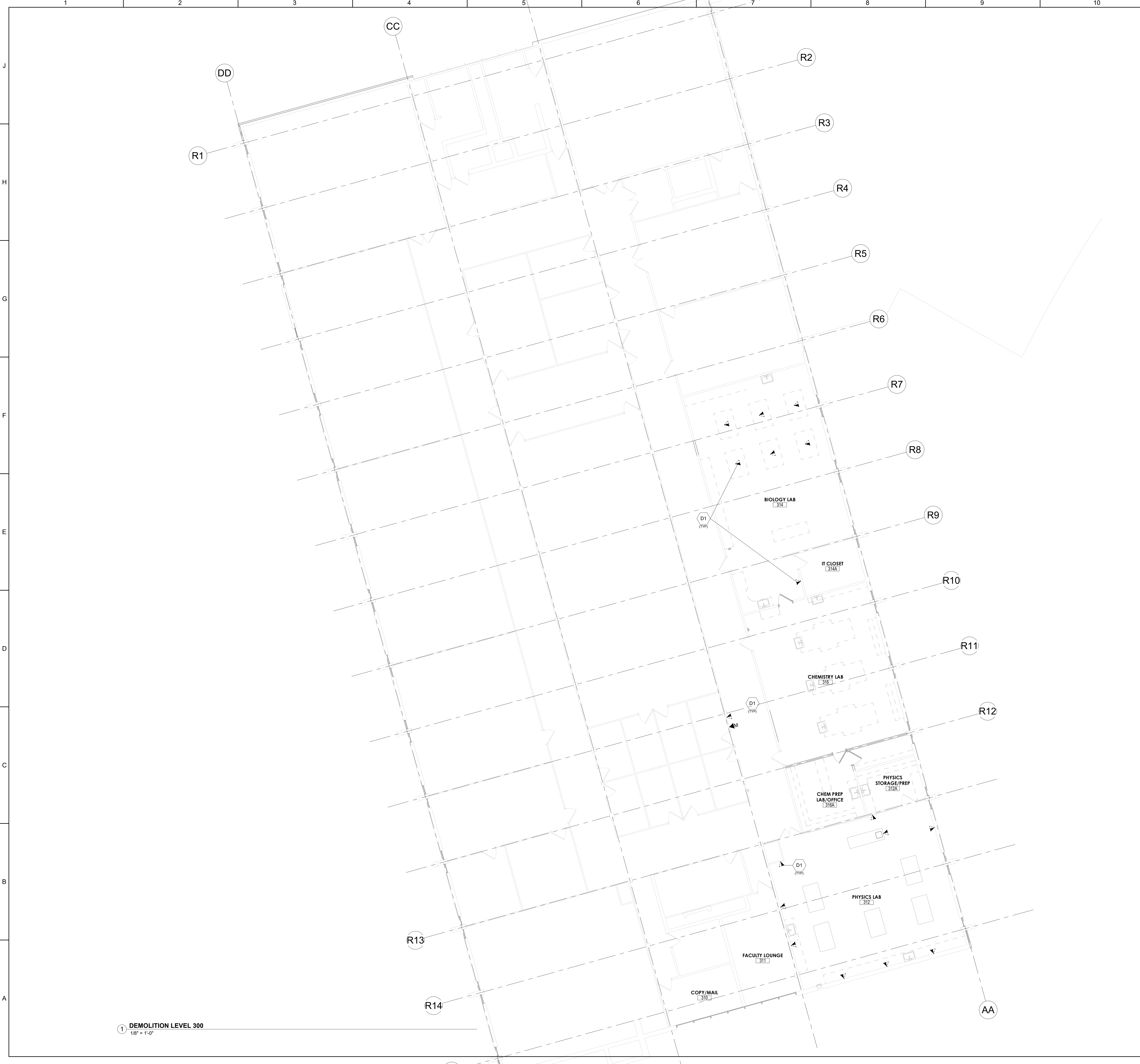
GENERAL AUDIO VISUAL NOTES

- AUDIO VISUAL SYSTEM ROUGH IN AND INFRASTRUCTURE RECOMMENDATIONS
1 LARGE DISPLAYS (70" AND UP): BACK BOX WITH AC RECEPTACLES AND SURGE PROTECTION WITH FLANGE AND COVER CHIEF PAC525FBP2; PROVIDE A MINIMUM OF ONE NETWORK DATA DROP FOR DISPLAY. (ONE NETWORK DROP FOR WIRELESS GATEWAY).
2 DIGITAL SIGNAGE DISPLAYS: BACK BOX WITH FLANGE AND COVER CHIEF PAC525FCW OR CHIEF PAC525FBP2 AC RECEPTACLES AND SURGE PROTECTION WITH FLANGE AND COVER; PROVIDE A MINIMUM OF TWO NETWORK DATA DROPS ONE FOR DISPLAY ONE FOR SIGNAGE PLAYER.
3 DISPLAYS (70" AND BELOW): BACK BOX WITH FLANGE AND COVER CHIEF PAC525FCW OR CHIEF PAC525FBP2 AC RECEPTACLES AND SURGE PROTECTION WITH FLANGE AND COVER; PROVIDE A MINIMUM OF ONE NETWORK DATA DROP FOR DISPLAY. (ONE NETWORK DROP FOR WIRELESS GATEWAY).
4 AUDIO INPUT PLATE: (PASSIVE) 2 GANG BOX WITH PLASTER RING TOTAL DEPTH OF AT LEAST 3 1/2".
5 DIGITAL MEDIA PLATE: (ACTIVE) MIDDLE ATLANTIC EVOLUTION 4-GANG WALL BOX OR 8-GANG WALL BOX.
6 DANTE I/O PLATE: (ACTIVE) MIDDLE ATLANTIC EVOLUTION 4-GANG WALL BOX OR 8-GANG WALL BOX.
7 SDI CAMERA: SINGLE OR 2 GANG BOX WITH PLASTER RING TOTAL DEPTH OF AT LEAST 3 1/2".
8 AV CONTROL TOUCH PANEL: 2 GANG BOX WITH PLASTER RING TOTAL DEPTH OF AT LEAST 3 1/2".
9 AUDIO VISUAL FLOOR POKE THRU MIDDLE ATLANTIC EVOLUTION 8" OR 10" POKE THRU WITH RECEPTACLES, COVER AND INTERIOR PLATE OPTIONS.

GENERAL SECURITY NOTES

- 1 THE LOCATION OF EQUIPMENT SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF EQUIPMENT PRIOR TO THE START OF WORK.
2 THE DRAWINGS FOR SECURITY WORK UTILIZE SYMBOLS AND SCHEMATIC DIAGRAMS WHICH HAVE NO DIMENSIONAL SIGNIFICANCE. THE WORK SHALL THEREFORE BE INSTALLED TO FULFILL THE DIAGRAMMATIC INTENT EXPRESSED ON THE SECURITY DRAWINGS, BUT IN CONFORMITY WITH THE DIMENSIONS INDICATED ON THE FINAL WORKING DRAWINGS, FIELD LAYOUTS, AND SHOP DRAWINGS OF ALL TRADES.
3 THE ORIENTATION OF THE SYMBOLS REFLECTS THE GENERAL MOUNTING LOCATION AND ORIENTATION OF THE DEVICE. THE CONTRACTOR SHALL PROMPTLY NOTIFY THE CM, ARCHITECT, AND ENGINEER PRIOR TO INSTALLATION OF WORK IF ANY MOUNTING LOCATIONS NOTED ON THE DRAWINGS ARE OBSTRUCTED AND/OR IF ANY MOUNTING LOCATION CONFLICTS OR PROBLEMS ARE DISCOVERED.
4 ALL COMPONENTS PROVIDED ARE TO BE LISTED FOR USE IN THE SYSTEM INDICATED INCLUDING, BUT NOT LIMITED TO: UL294 STANDARD FOR ACCESS CONTROL SYSTEM UNITS UL634 STANDARD FOR CONNECTORS AND SWITCHES FOR USE WITH BURGLAR-ALARM SYSTEMS UL639 STANDARD FOR INTRUSION-DETECTION UNITS UL1076 PROPRIETARY BURGLAR ALARM UNITS AND SYSTEMS UL2044 STANDARD FOR COMMERCIAL CLOSED-CIRCUIT TELEVISION EQUIPMENT UL2802 STANDARD FOR PERFORMANCE TESTING OF CAMERA IMAGE QUALITY
5 REFER TO COMMUNICATIONS AND ELECTRICAL DRAWINGS FOR ADDITIONAL SCOPE OF WORK.
6 THE ELECTRICAL CONTRACTOR SHALL PROVIDE 110 VAC INPUT POWER FOR POWER SUPPLIES. THE SECURITY CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LOW VOLTAGE EQUIPMENT NECESSARY FOR SECURITY HARDWARE OPERATION.
7 ALL SECURITY INFRASTRUCTURE SHALL BE INSTALLED IN ENCLOSED METALLIC PATHWAYS SUCH AS CONDUIT, ENCLOSED CABLE TRAY, AND ENCLOSED WIREWAYS TO THE ASSOCIATED SECURITY PANEL.
8 ALL ENCLOSURES AND INTRUSION DETECTION DEVICES WITH REMOVABLE COVERS SHALL HAVE TAMPER PROTECTION DEVICES CAPABLE OF BEING MONITORED CONTINUOUSLY.
9 WHERE APPLICABLE, COORDINATE WITH ELEVATOR CONTRACTOR FOR SPECIAL CONDUCTORS IN THE TRAVEL CABLE FOR ACCESS CONTROL, INTRUSION DETECTION, AND VIDEO SURVEILLANCE DEVICES.
10 ALL SECURITY CABLES SHALL BE FROM THE SAME MANUFACTURER AND LISTED FOR THE ENVIRONMENT THEY ARE INSTALLED. FOLLOW ALL MANUFACTURER INSTRUCTION FOR VOLTAGE DROP AND DISTANCE. REFER TO SPECIFICATIONS FOR CABLE TYPES.
11 JUNCTION BOXES FOR SECURITY CABLING SHALL HAVE TAMPER-PROOF SCREWS.
12 REFER TO THE SECURITY ONE-LINE DIAGRAMS AND DOOR ELEVATION DRAWINGS FOR ADDITIONAL GENERAL NOTES.
13 SECURITY EQUIPMENT SCHEDULES ARE PROVIDED AS A GUIDE. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL DEVICES IDENTIFIED AND PROVIDE THE APPROPRIATE NUMBER OF DEVICES AS IDENTIFIED ON THE FLOOR PLANS.
14 THE CONTRACTOR SHALL PROVIDE CAMERA LICENSES FOR EACH NEW INSTALLED CAMERA.
15 THE CONTRACTOR IS RESPONSIBLE FOR INITIAL CAMERA AIMING, CAMERA PROGRAMING, AND FINAL CHECKOUT WITH THE OWNER AND OWNER'S REPRESENTATIVE.
16 WHERE ADVANCED SECURITY SYSTEM INTEGRATION IS REQUIRED THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION ACTIVITIES BETWEEN THE ASSOCIATED SYSTEM PROVIDERS TO THE SATISFACTION OF THE OWNER AND OWNER'S REPRESENTATIVE.

CLARK STATE RHODES HALL
570 LEFFEL LN
SPRINGFIELD, OH 45505
TECHNOLOGY NOTES
DESIGNED BY: CM DATE: 03/10/2023
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SHEET SIZE: 30x42
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MARK
DESCRIPTION
DATE
BCL
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CMTA
schaefer
EMERSON DESIGN
architecture DESIGN LLC
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Cincinnati, Ohio 45202
SUSTAINABILITY
PLANNING
ENGINEERING
enr.stonessig.com




1 DEMOLITION LEVEL 300
1/8" = 1'-0"

GENERAL SHEET NOTES

- 1 REFER TO SHEETS T-001 & T-002 FOR ALL GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
- 2 ALL CATEGORY CABLE SHALL BE BLUE PLENUM CAT6.
- 3 ALL CATEGORY CABLE ON THE SECOND FLOOR TO RUN TO IDF 220.
- 4 ALL CATEGORY CABLE ON THE THIRD FLOOR TO RUN TO MDF 325/314.
- 5 ALL CABLING SHALL BE PROPERLY SUPPORTED.

KEYED NOTES

- D1 DEMO ALL EXISTING LV CABLING BACK TO 314A. REMOVE ALL JACKS/FACE PLATES.



EMERSON DESIGN

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DESCRIPTION	DATE

DESIGNED BY: CM	DATE: 03/13/2023	PROJECT NO.:202201	CHECKED BY: CM	PROJECT MANAGER: CM	PLOT SCALE: 1/8" = 1'-0"	SHEET SIZE: 30x42	FILE NAME:
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CLARK STATE RHODES HALL
570 LEFFEL LN
SPRINGFIELD, OH 45505
DEMOLITION PLAN LEVEL 300

Bicsi
Christy A Miller
BICS10 #109650
EXPIRES 12-31-24
RCDD

SHEET IDENTIFICATION
TD103

