

Protection Notes

Contractor shall erect dust barriers (6-mil reinforced polyethylene on frame construction) to protect all areas outside of the work areas. Contractor to provide anti-tracking pads inside building at all entrances to work areas to contain shoe-borne debris. Contractor is responsible for a thorough cleaning of all work areas at substantial completion. Refer to project manual for additional requirements for temporary protection & cleaning.

Note: Contractor is responsible to coordinate with owner for allowed location for trailers and staging/laydown area. Contractor must protect area and restore to pre-construction condition by substantial completion date.

Project Schedule Milestones

- Bid Award/Notice to Proceed (NTTP) will be on or around January 2nd 2015
- All submittals shall be provided by contractor within 20 days of NTTP
- Construction Begins: January 2nd 2015
- Substantial Completion/Occupancy: February 27th, 2015
- Punch-List Completion: March 6th, 2015

List of Drawings

- CSK-001 General Notes
- CSK-002 Site Location Plan
- CSK-003 Building Location Plan
- CSK-004 to CSK-005 Demolition Part Plan
- CSK-006 to 007 Construction Part Plan
- CSK-008 to 009 Dimension Part Plan
- CSK-010 to 11A Reflected Ceiling Part Plan
- CSK-012 to CSK-013 Power/Telecommunication Plan
- CSK-014 to CSK-015 Elevations
- CSK-016 to CSK-018 Wall Types
- CSK-019 to CSK-021 Milwork Details
- CSK-022 to CSK-023 Transaction Counter Details
- CSK-024 to CSK025 Sections
- CSK-026 to CSK-033 Door Details
- E-001.00 to E-300.00 Electrical
- M-001.00 to M400.00 Mechanical
- P-001.00 to P-200.00 Plumbing
- SP-001.00 to SP-200 Sprinkler
-
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General Notes

1. Do not scale drawings. Written dimensions govern.
2. The contractor is responsible for field verifying all square footage of work area prior to commencing any work.
3. The contractor is responsible for providing and maintaining clear public egress.
4. See the specifications for work rules.
5. The drawings and project manual are complementary and their intent is to include all items necessary for the proper execution and completion of the work. The contractor is to provide all labor, materials and equipment required for the construction of the project. The organization of the drawings & project manual shall not control the contractor in dividing the work among the subcontractors or in establishing the extend of work required by any trades.
6. Review documents, verify dimensions and field conditions and confirm that work is buildable as shown. The contractor shall report any conflicts and/or omissions to the Owner prior to performing any work in question.
7. Submit requests for substitutions, revisions and/or change to the Owner, in writing, for review prior to purchase, fabrication, or installation.
8. Maintain exits, exit lighting, fire protection devices, and alarms for the duration of the work.
9. Provide a duly authorized full-time representative on the job site at all times for supervision of the construction as outline in the project manual.

Demolition Notes

1. Comply with applicable local, state, and federal codes pertaining to safety of persons, property, and environmental protection.
2. If demolition is performed in excess of that required, restore effected areas to pre-demolition state and finish at no additional cost to Owner.
3. Remove from site daily and legally dispose of all refuse, debris, rubbish and other materials resulting from demolition operations.
4. Remove existing floor finishes and prepare subfloor as required to receive new scheduled floor finishes. Refer to abatement drawings and specs for additional information.
5. For all items scheduled for removal and re-installation, contractor shall verify and document, in writing, the condition and functionality of the item(s) prior to removal. Any damage to item(s) not documented shall be repaired by the Contractor at no additional cost to the Owner.

Construction Notes

1. All dimensions are dimensioned from finish face to finish face (unless otherwise noted). Maintain dimension marked "clear" or "hold". Allow for thickness of materials.
2. Coordinate and provide blocking within partitions/walls as required to support all millwork items mounted to walls or ceilings.
3. Patch and repair all existing and/or new penetrations through existing fire-rated partitions, ceilings, or slabs, as required, to maintain existing fire protection rating.
4. Patch and repair all existing walls, columns, and surfaces scheduled to remain as required to leave them smooth and even to receive new scheduled finishes. Refer to finish plans for additional information.

Power & Communication Notes

1. Coordinate installation of telecommunications, data, audio-visual, and equipment.
2. Verify equipment specifications, power and installation requirements with manufacturer to ensure proper fit and function.
3. Mount standard wall receptacles, switches, thermostats, strobes, and devices at heights required by Title 24 or ADA guidelines, or as indicated on drawings. Contractor to verify with Owner in the field prior to installation.
4. Architectural drawings only indicate device locations for power, telecommunications, audio-visual, mechanical, security, and fire alarm. Electrical contractor shall be responsible for verify all existing conditions, for complying will all applicable codes, proper sizing and circuiting of work and providing record "As-Built" documents.

Finish Notes

1. Ensure surfaces to receive new scheduled finishes are clean, true and free of irregularities. Do not proceed with work until unsatisfactory conditions have been corrected. Starting of work indicates installer acceptance of substrate.
2. Repair existing surfaces scheduled to remain, as required, for the application of new scheduled finish.
3. Unless otherwise noted, provide minimum three-coat painting system to substrate.
4. Provide straight, flush resilient base at carpeted areas and cove, top set resilient base at areas of resilient flooring, unless otherwise noted.
5. All exposed ductwork, sprinkler piping, misc. piping and conduit in area of exposed or no ceiling to be painted to match slab and/or adjoining wall surface (unless otherwise noted).

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STATE UNIVERSITY OF NEW YORK

735 ANDERSON HILL RD.
PURCHASE, NY 10577-1400

Project Name: Mailroom / Receiving Area Renovation

Project Number: #SU-120814

Location: Plaza Lower Level- Proposed Mailroom/Post Office/Receiving Area.

Scale: 1/4" = 1'-0"

Date: 12/01/14

File Path: Z:\Capital Planning Office\1-Projects\Mailroom\Drawings\General Notes.dwg

General Notes

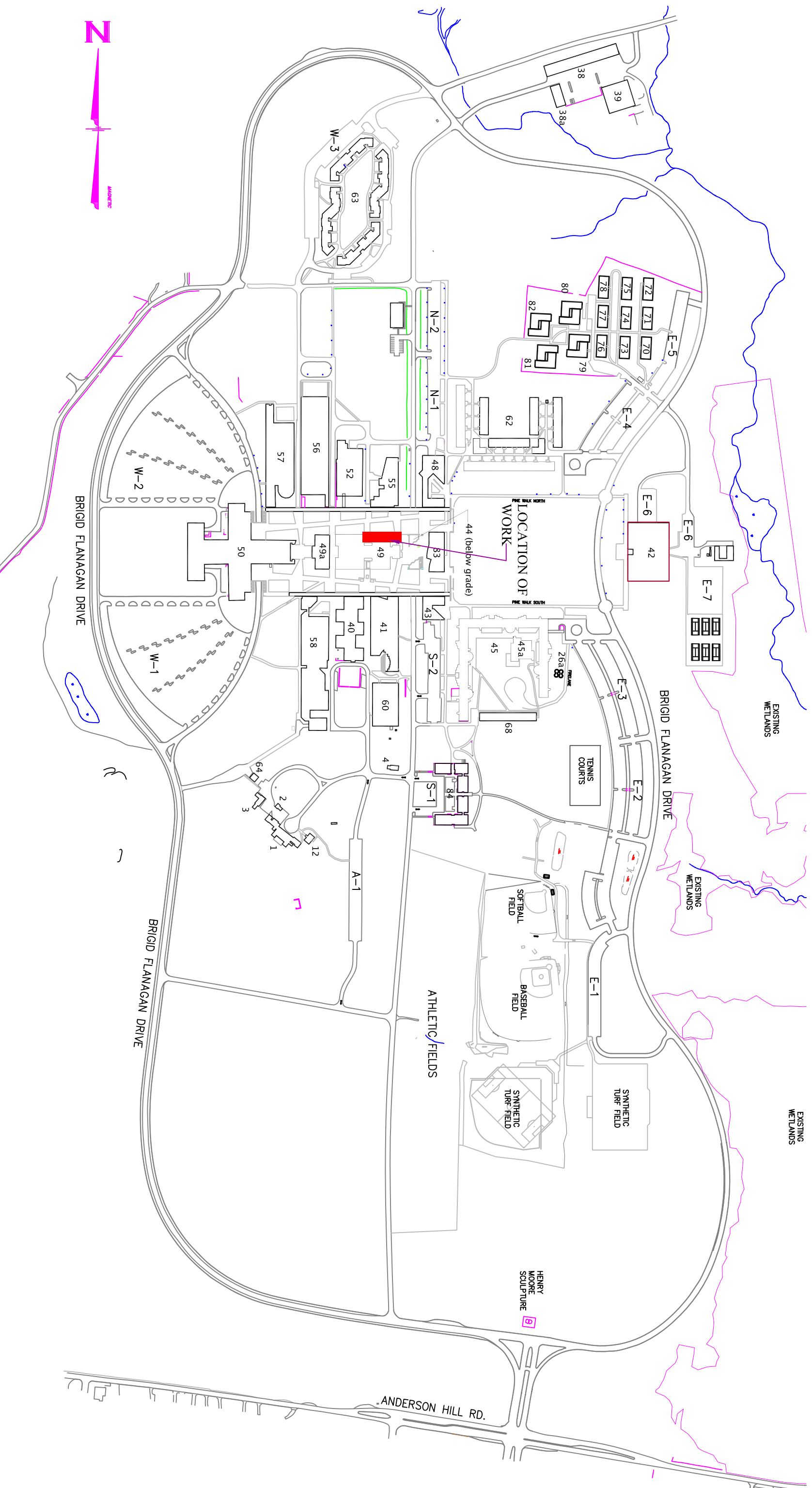
Sketch Number: CSK-001

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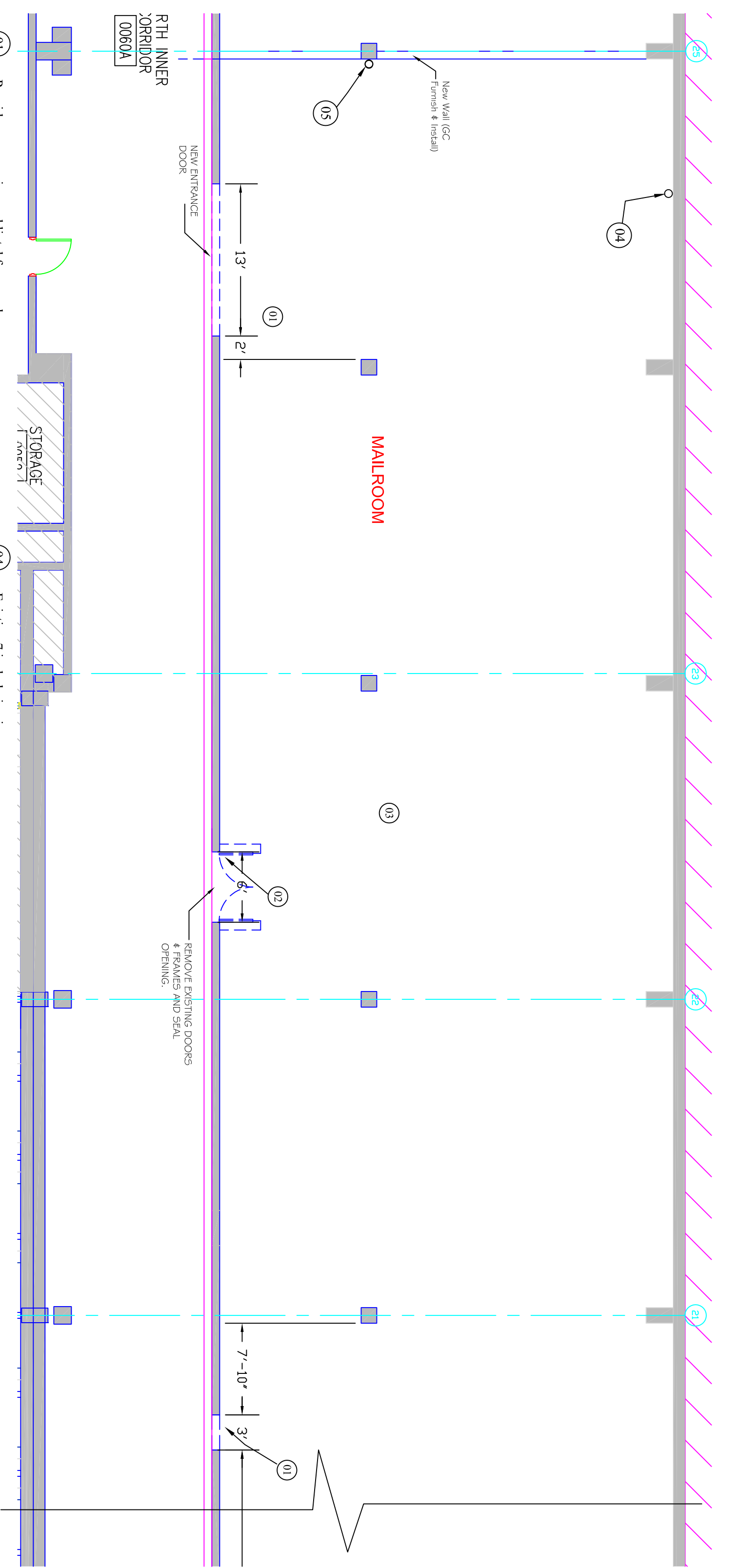
735 ANDERSON HILL RD.
PURCHASE, NY 10577-1400



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 Project Number: #SU-12/08/14
 Location: Project Location Plan
 Scale: NTS
 Date: 12/01/14
 File Path: Z:\Capital Planning Office\1-Projects\Mailroom-Recieving Renovation\Drawings\Drawing\ Final\Site Plan.dwg

Site Plan -
Mailroom-Recieving

Sketch Number: CSK-002



- 01 Provide new opening and lintel for new door
- 02 Remove existing Doors and Block wall and seal opening (Match existing)
- 03 Prep Floor to Recieve New Schedule Finish
- 04 Existing 7 inch drain pipe
- 05 Existing 8 inch drain pipe

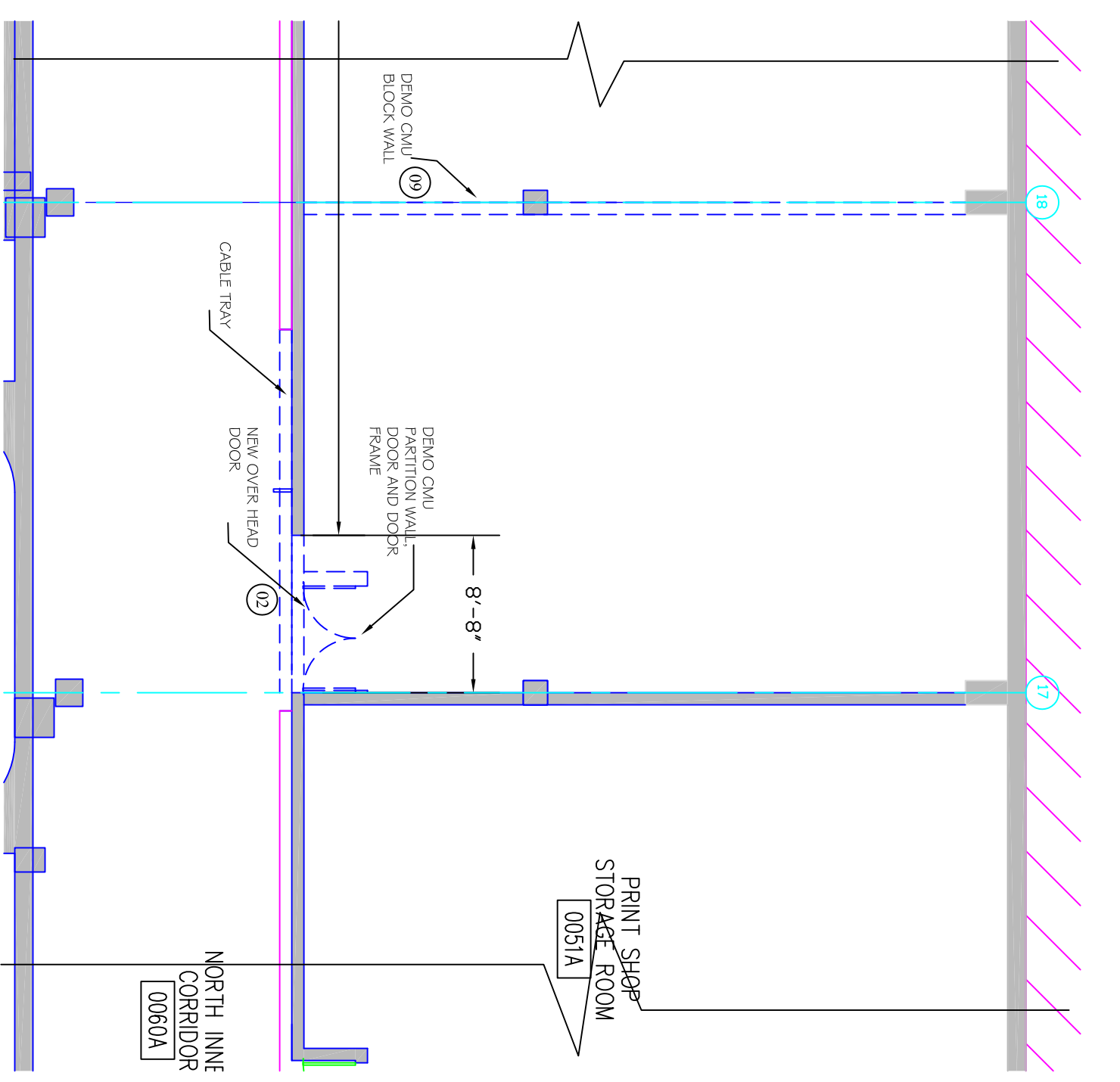
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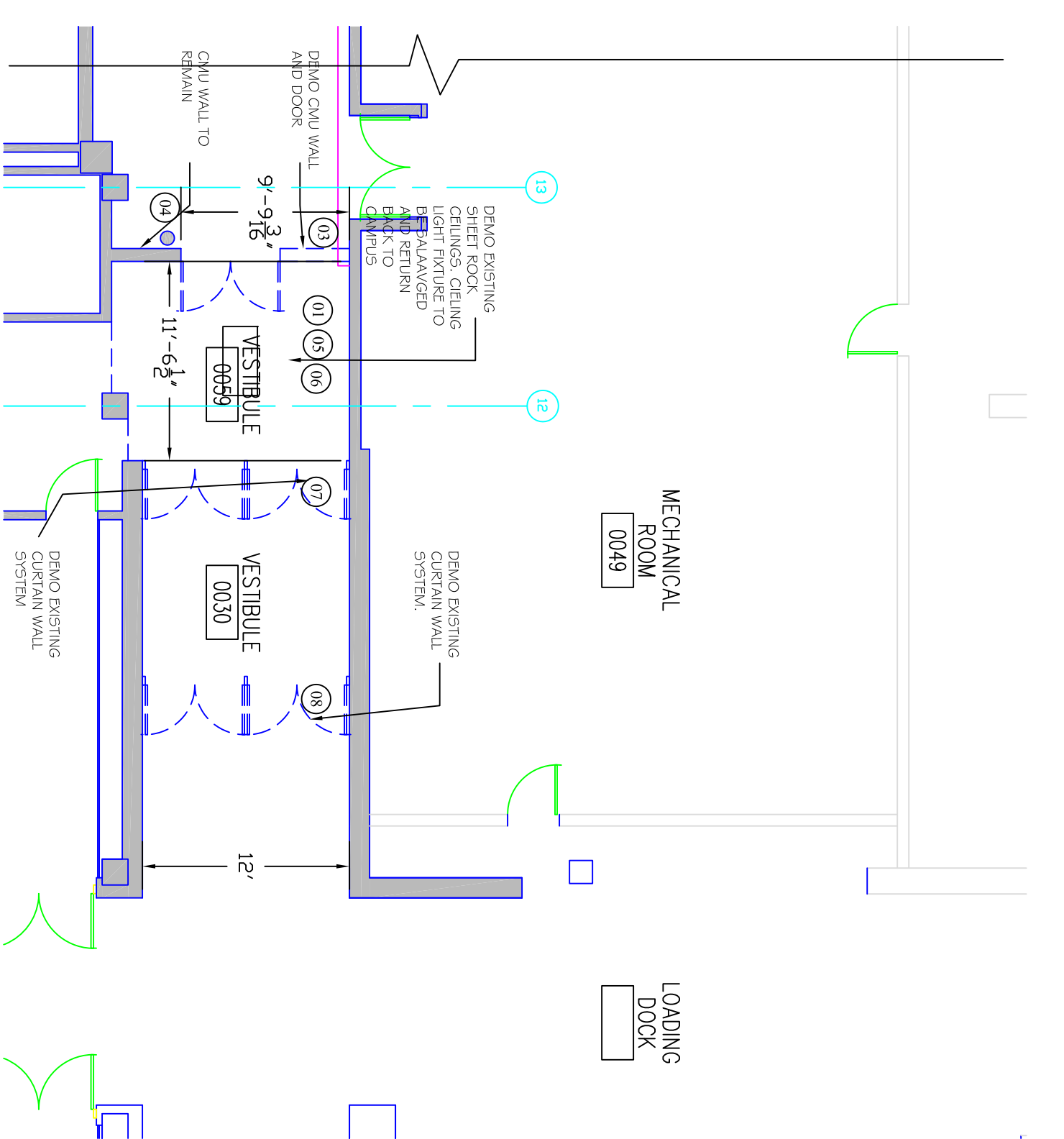
735 ANDERSON HILL RD.
PURCHASE, NY 10577-1400

Project Name: Mailroom / Receiving Area Renovation Project
 Project Number: #SU-120814
 Location: Plaza Lower Level - Proposed Mailroom / Post Office / Receiving Area
 Scale: 1/8" = 1'-0"
 Date: 12/08/14
 File Path: Z:\1-Projects\Mailroom-Receiving Renovation\Drawings\Final Demo plan

Mailroom-Receiving
Demo Part Plan
CSK-004



- 01 Demo existing GWB Ceiling and walls and associated cover Base.
- 02 Remove section of existing masonry block wall and prep for new roll-up door. Provide new steel lintel as required. Remove section of 8 inch cable tray and re-route the cables and cable tray above domestic water line.
- 03 Remove existing doors/ wall and enlarge opening. Paint and finish.



- 04 Protect existing drain pipe & Wall
- 05 Protect and secure all utility lines including cable tray and cables above the ceiling.
- 06 Salvage existing light. Secure exiting sprinkler at 10 feet high approx same location. Remove existing vinyl tile and existing cover base
- 07 Remove existing doors and frame. The GWB wall above doors needs to be retrofitted to provide 8-6" foot clean opening. (Prep and finish)
- 08 Remove existing curtain wall system upto underside deck(Prep as required for new curtain wall system)
- 09 Demo CMU wall to underside deck (Paint & Finish)
- 10 Remove bracket and secure domestic water line with a suspended bracket from underside deck.

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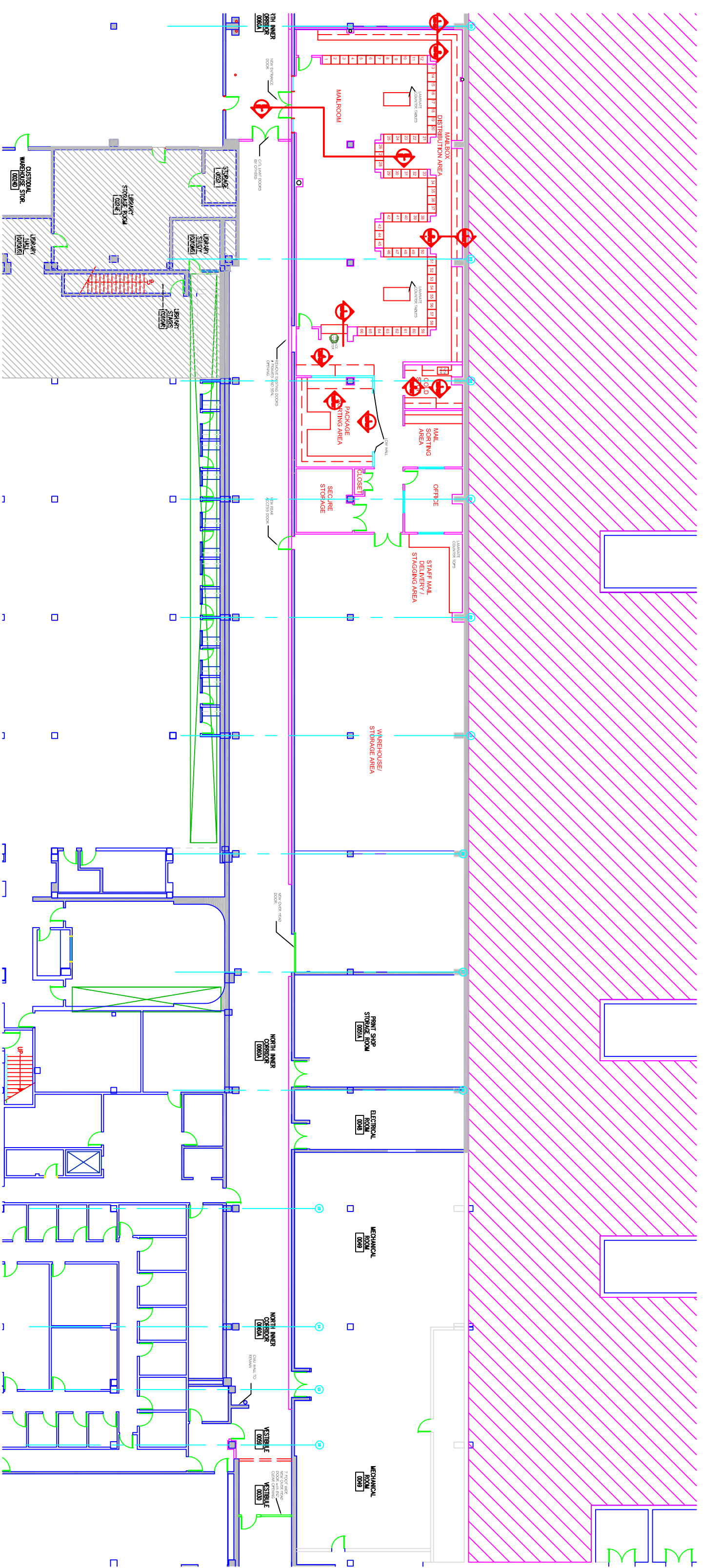
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Project Name: Mailroom / Receiving Area Renovation Project
 Project Number: #SU-120814
 Location: Plaza Lower Level - Proposed Mailroom / Post Office / Receiving Area
 Scale: 1/8" = 1'-0"
 Date: 12/02/14
 File Path: Z:\1-Projects\Mailroom-Receiving Renovation\Drawings\DemoPlan

Mailroom-Receiving
 Demo Part Plan
 CSK-005



PURCHASE

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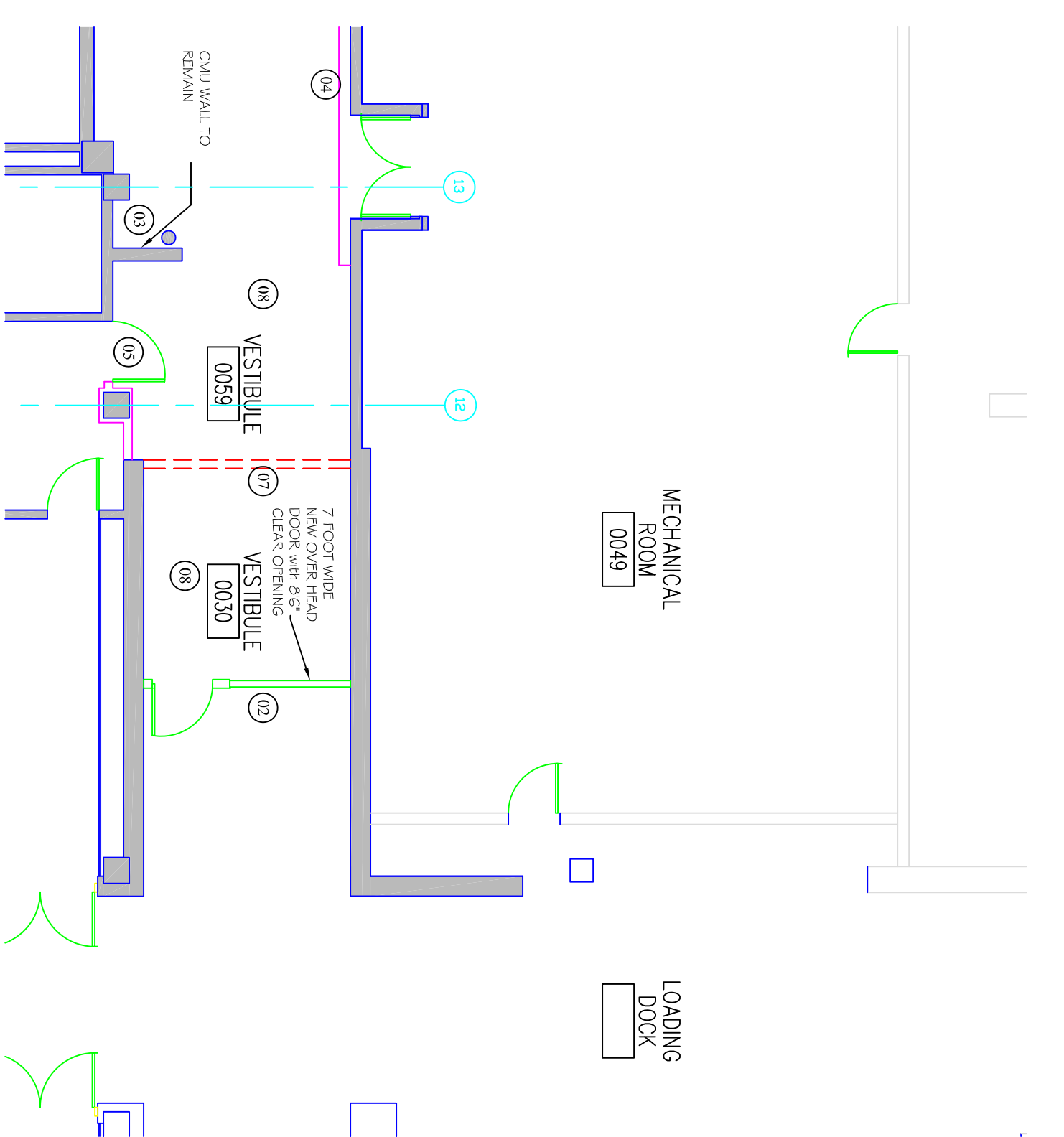
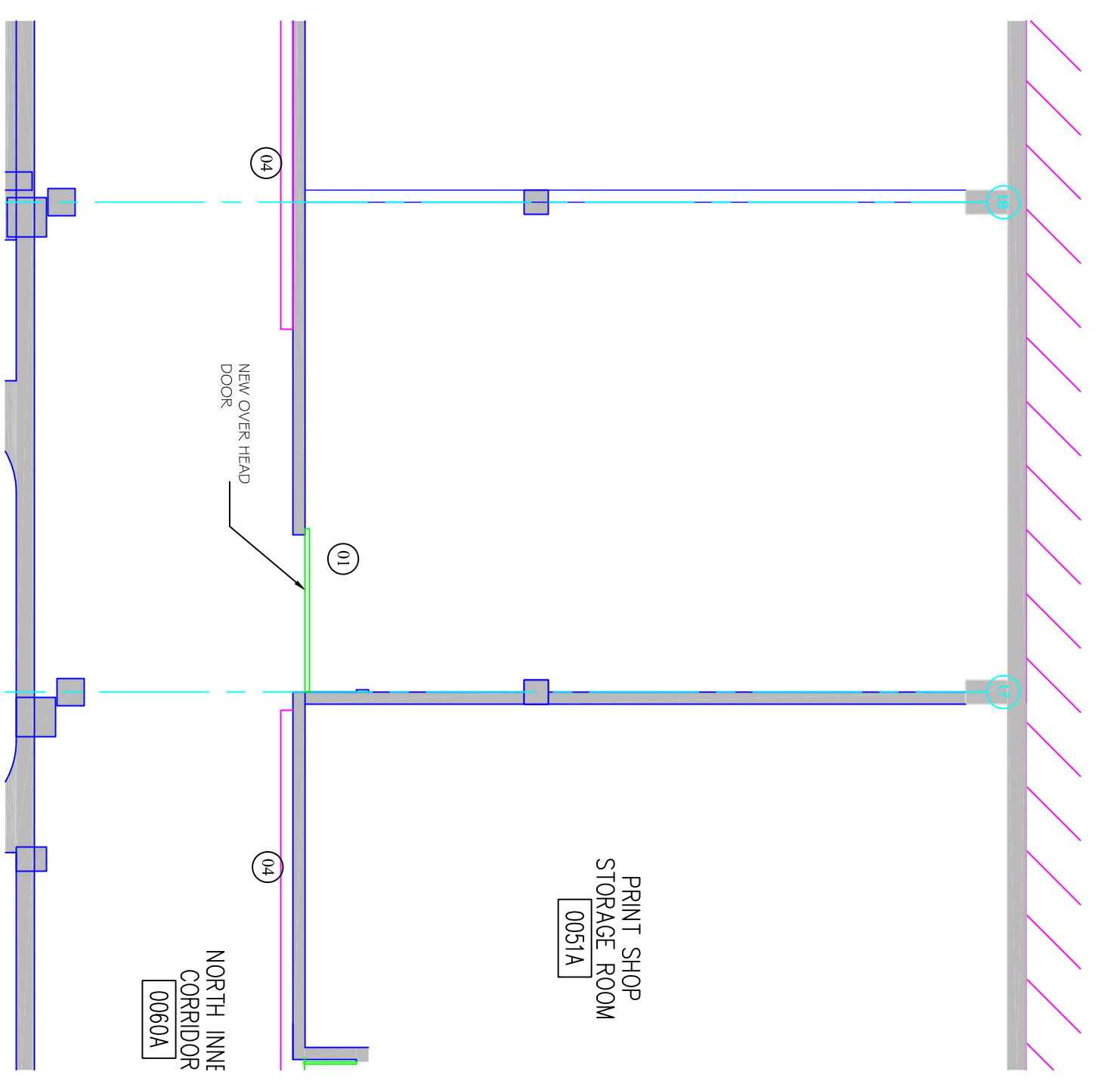
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 Project Number: #SU-120814
 Location: Plaza Lower Level - Proposed Mailroom / Post Office / Receiving Area
 Scale: NTS
 Date: 12/02/14
 File Path: Z:\1-Projects\Mailroom-Receiving Renovation\Drawings\Construction Plan Final.

Mailroom-Receiving Construction location

Plan

CSK-006A



- 01 New electric roll up door and controls. Provide new steel lintel as required. Hardware # 8. Refer to detail CSK-030A (Engineering for Lintel by GC. Provide Shop drawings for approval to owner) Prep and finish as required for overhead door.
- 02 Provide 7 foot wide Roll up Door with 8'6" clear height (1) new 36" Metal/Glass Door with Hardware # 10. Engineering for Lintals for overhead doors by GC. Provide Shopdrawing for approval. Refer to CSK-031.detail 2.

- 03 Existing pipe to stay and CMU wall to remain.
- 04 Existing Cable tray to be secured and portected.
- 05 New Entrance HM Door with Heavy Duty Kick Plate on Inside. Hardware #09

- 07 Provide 8-6" clear opening. G.C to retrofit prep and finish.
- 08 GC to patch/repair walls/ ceiling and floor as needed. Floor to be self level and seal.

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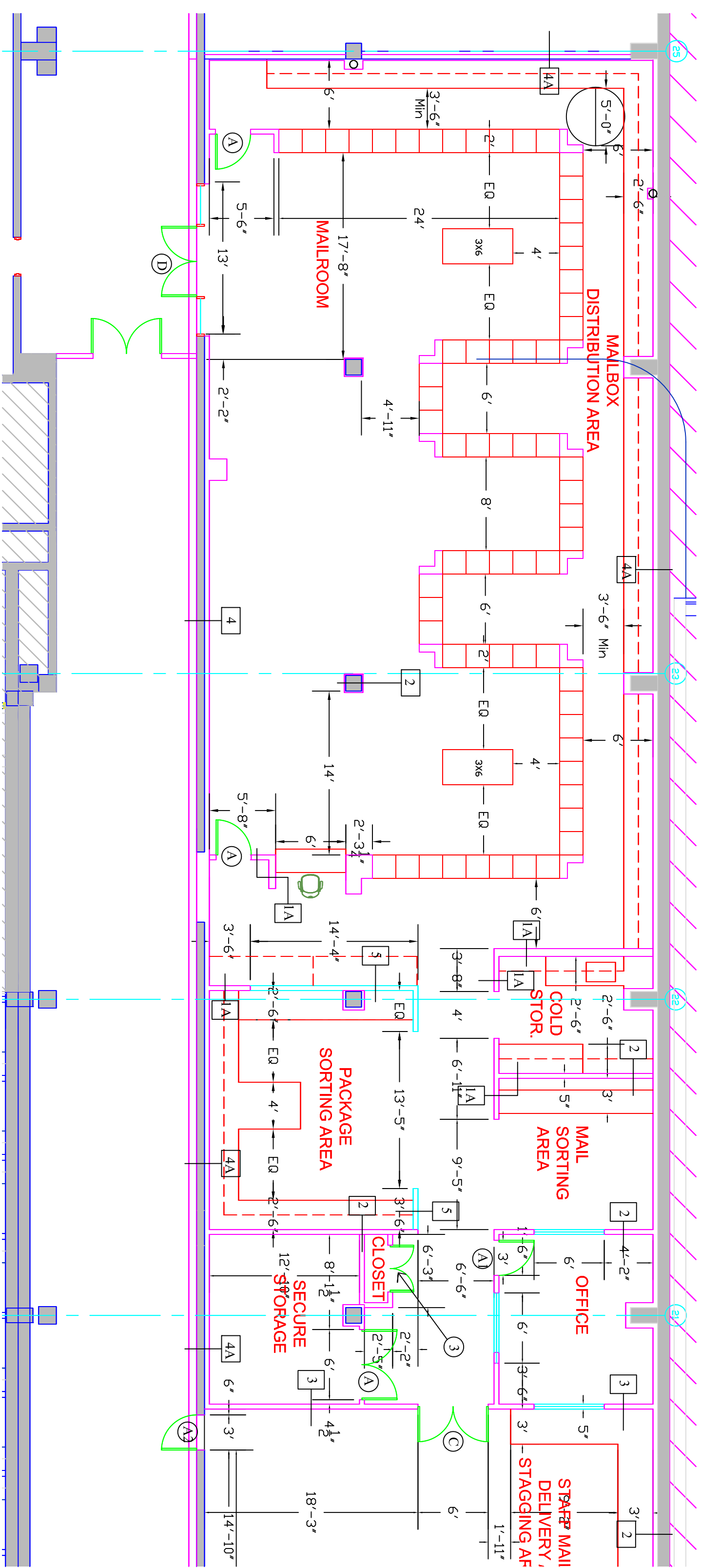
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 Scale: 1/8" = 1'-0"
 Date: 12/08/14
 File Path: Z:\1-Projects\Mailroom-Receiving Renovation\Drawings\Construction Plan

Mailroom-Receiving

Construction Part Plan

CSK-007



- Ⓐ REFER TO CSK032 DOOR TYPE A
- Ⓐ1 REFER TO CSK032 DOOR TYPE A1
- Ⓐ2 REFER TO CSK032 DOOR TYPE A2
- Ⓒ REFER TO CSK032 DOOR TYPE C

- Ⓓ REFER TO CSK032 DOOR TYPE D
- ③ REFER TO CSK028 DOOR CLOSET DETAIL TYPE 3
- 1 G.C. NEED TO VERIFY REQUIRED HOLD DIMENSIONS FOR NEW MAILBOXES.
- 1A REFER TO CSK016 WALL TYPE 1A

- 2 REFER TO CSK017 WALL TYPE 2
- 3 REFER TO CSK017 WALL TYPE 3
- 4/4A REFER TO CSK018 WALL TYPE 4/4A
- 5 REFER TO CSK018 WALL TYPE 5

PURCHASE

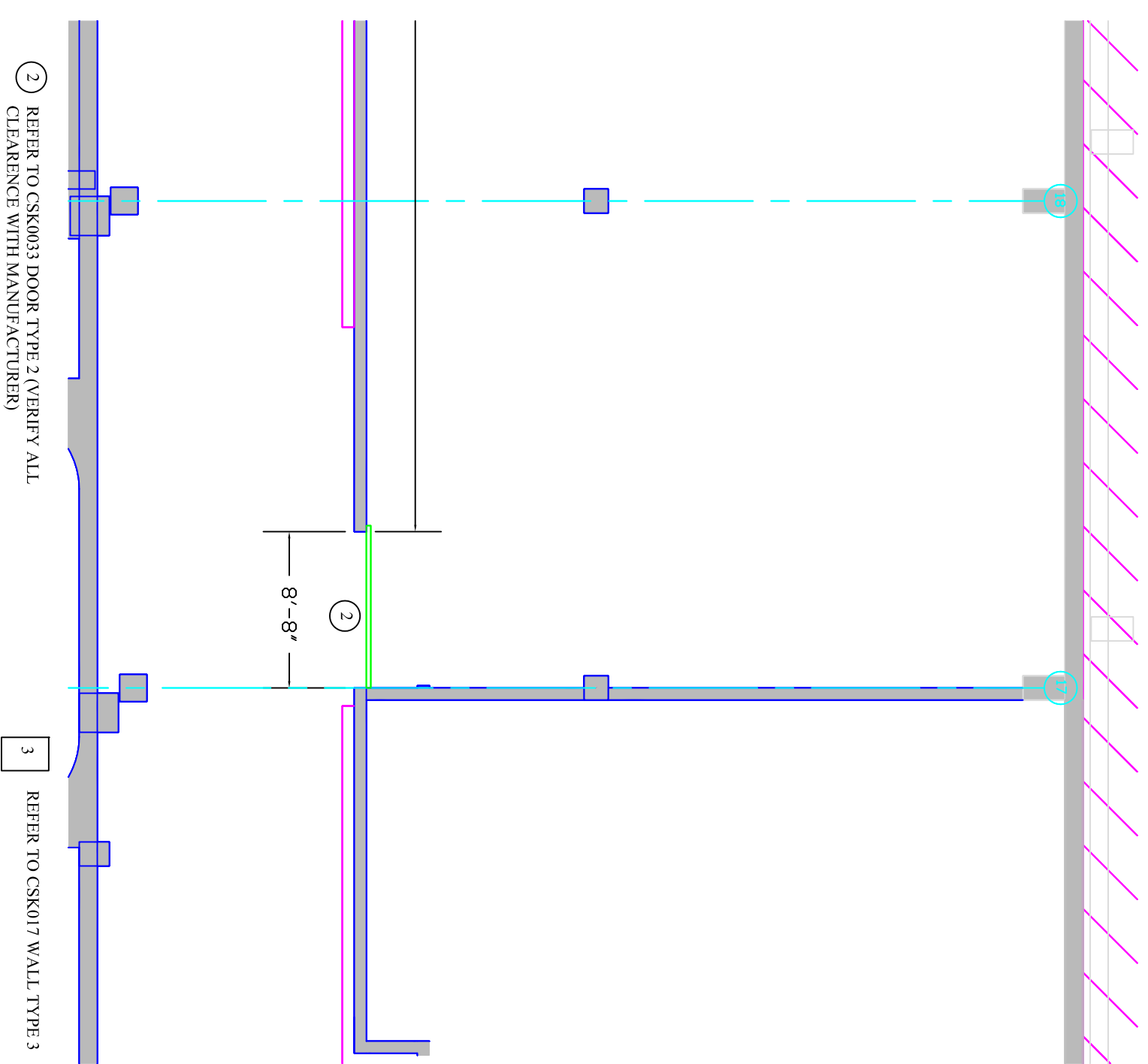
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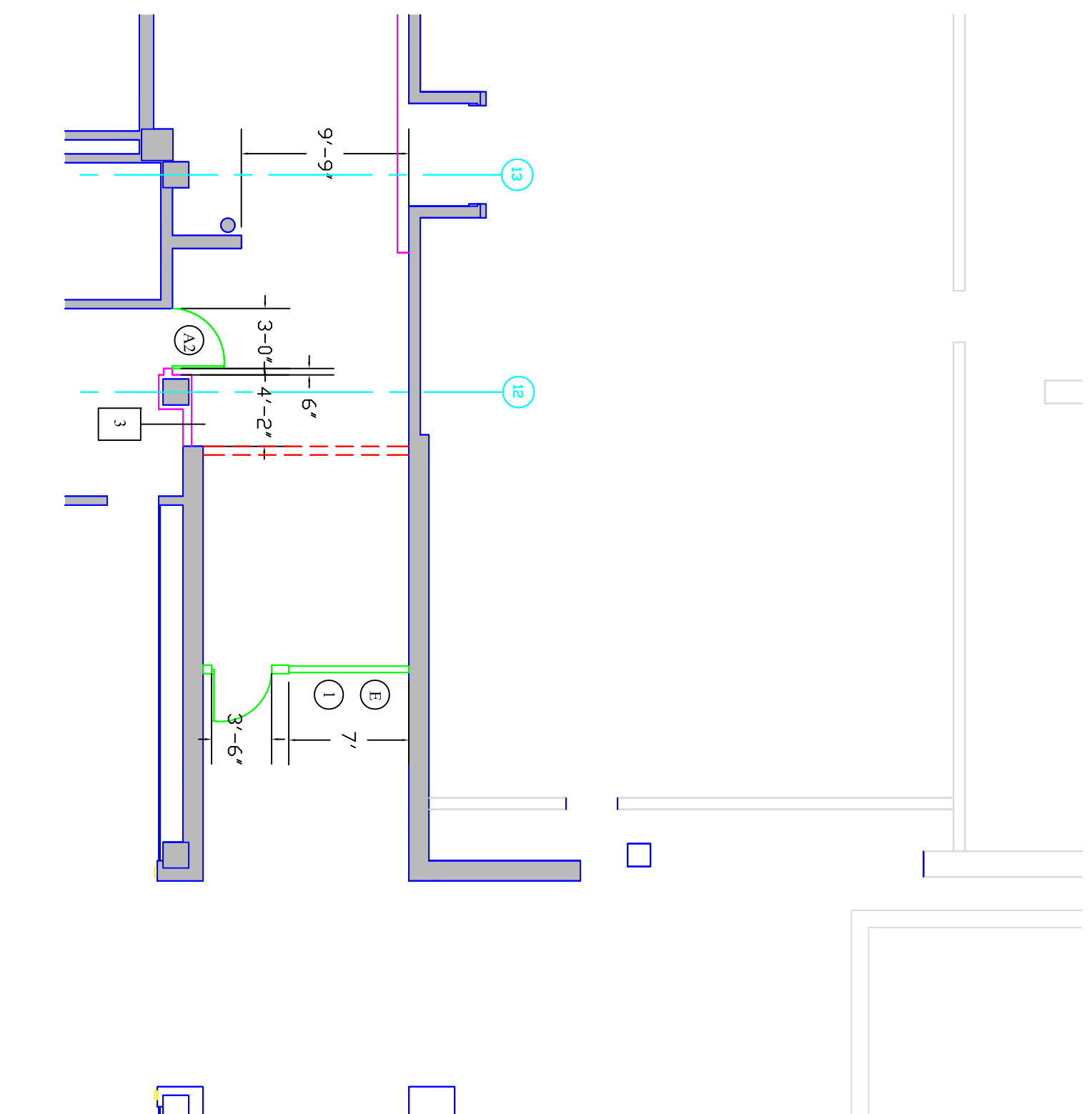
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PURCHASE, NY 10577-1400

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 Scale: 1/8" = 1'-0"
 Date: 12/02/14
 File Path: Z:\1-Projects\Mailroom-Receiving Renovation\Drawings\Dimension

Mailroom-Receiving
Dimension Part Plan
CSK-008



- ② REFER TO CSK0033 DOOR TYPE 2 (VERIFY ALL CLEARANCE WITH MANUFACTURER)
- ① REFER TO CSK0031 DOOR TYPE 1
- Ⓔ REFER TO CSK0031 DOOR TYPE E
- Ⓐ2 REFER TO CSK0032 DOOR TYPE A



- ② REFER TO CSK017 WALL TYPE 3
- ③ REFER TO CSK017 WALL TYPE 3
- Ⓐ2

PURCHASE

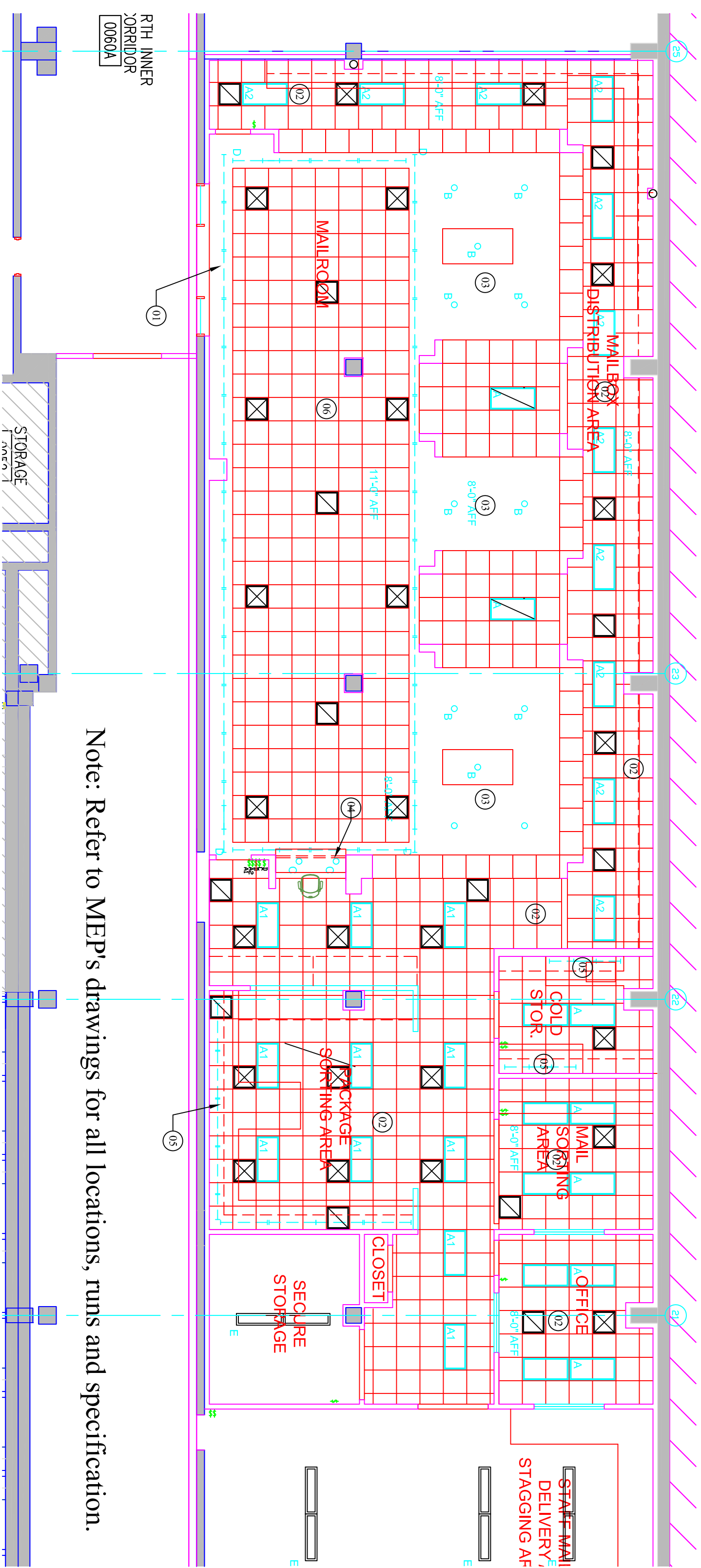
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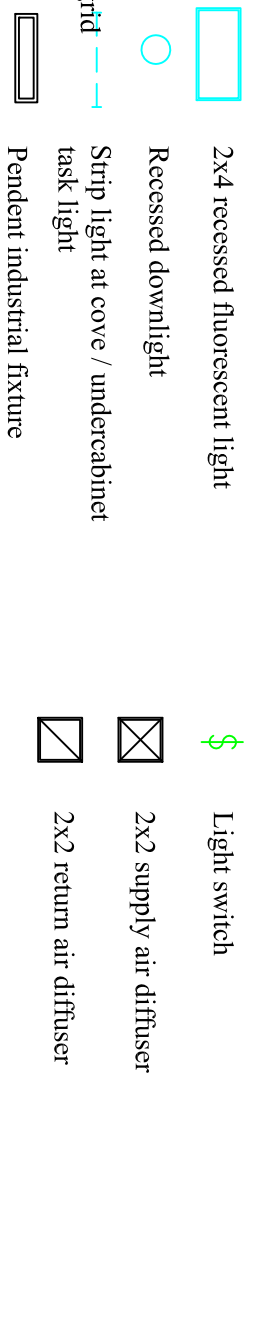
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 Scale: 1/8" = 1'-0"
 Date: 12/08/14
 File Path: Z:\1-Projects\Mailroom-Receiving Renovation\Drawings\Dimension

Mailroom-Receiving
Dimension Part Plan
SK-009



Note: Refer to MEP's drawings for all locations, runs and specification.

- 01 New gypsum board light cover soffit at 8'-0" A.F.F. Refer to CSK-024
- 02 New 2 x 2 acoustic ceiling w/ lay-in tile in 9/16" grid system.
- 03 New Gypsum Board Ceiling.
- 04 Soffit above service counter & integrated roll-down gate.
- 05 Under cabinet task lighting gang together with switches at end of runs.
- 06 New 2x2 acoustic ceiling w/ regular lay in tile in 91/16" bolt slot grid system.



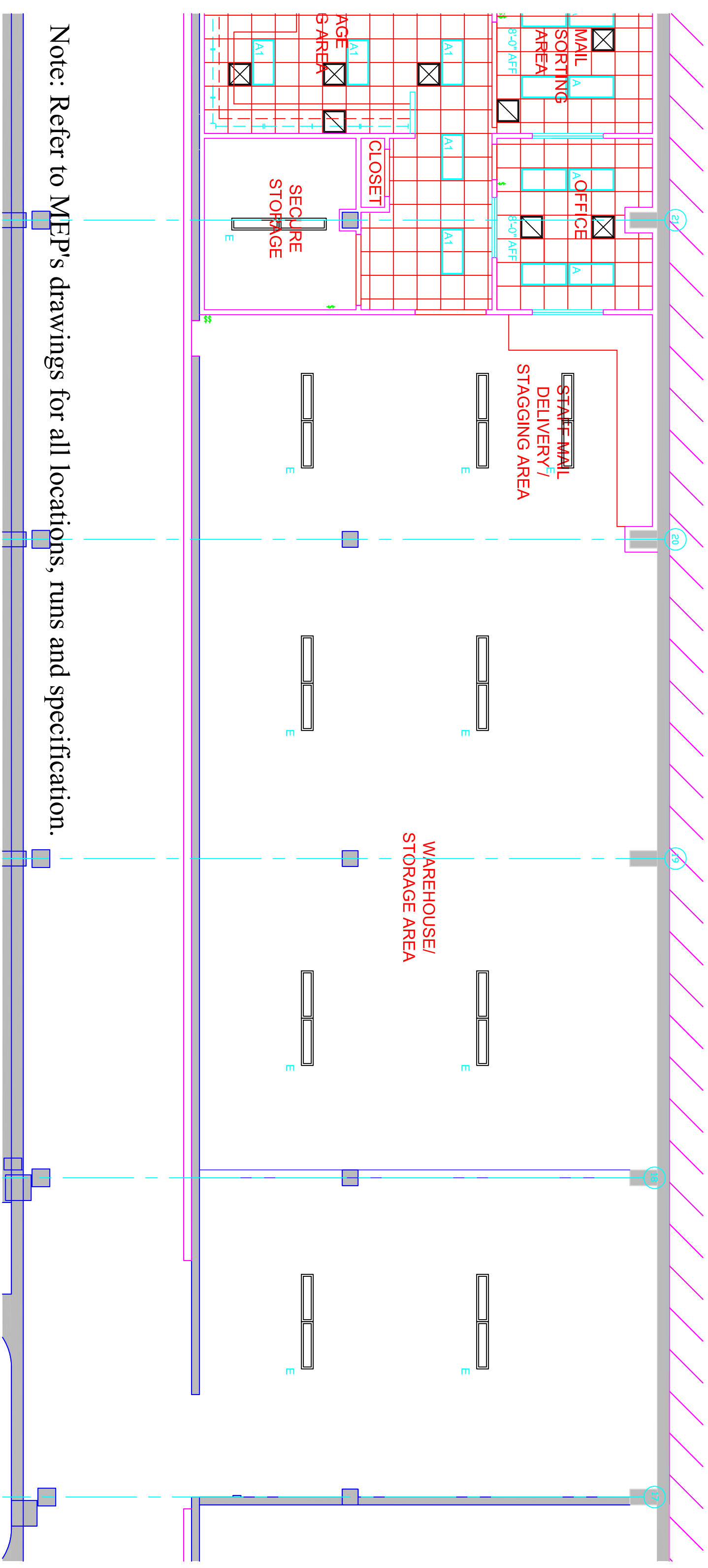
PURCHASE

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 Project Number: #SU-120214
 Location: Plaza Lower Level - Proposed Mailroom / Post Office / Receiving Area
 Scale: 1/8" = 1'-0"
 Date: 12/02/14
 File Path: Z:\1-Projects\Mailroom-Receiving Renovation\Drawings\RC_00-Opt10.dwg

Mailroom-Receiving
 Reflected Ceiling Part
 Plan
 CSK-010



Note: Refer to MEP's drawings for all locations, runs and specification.

PURCHASE

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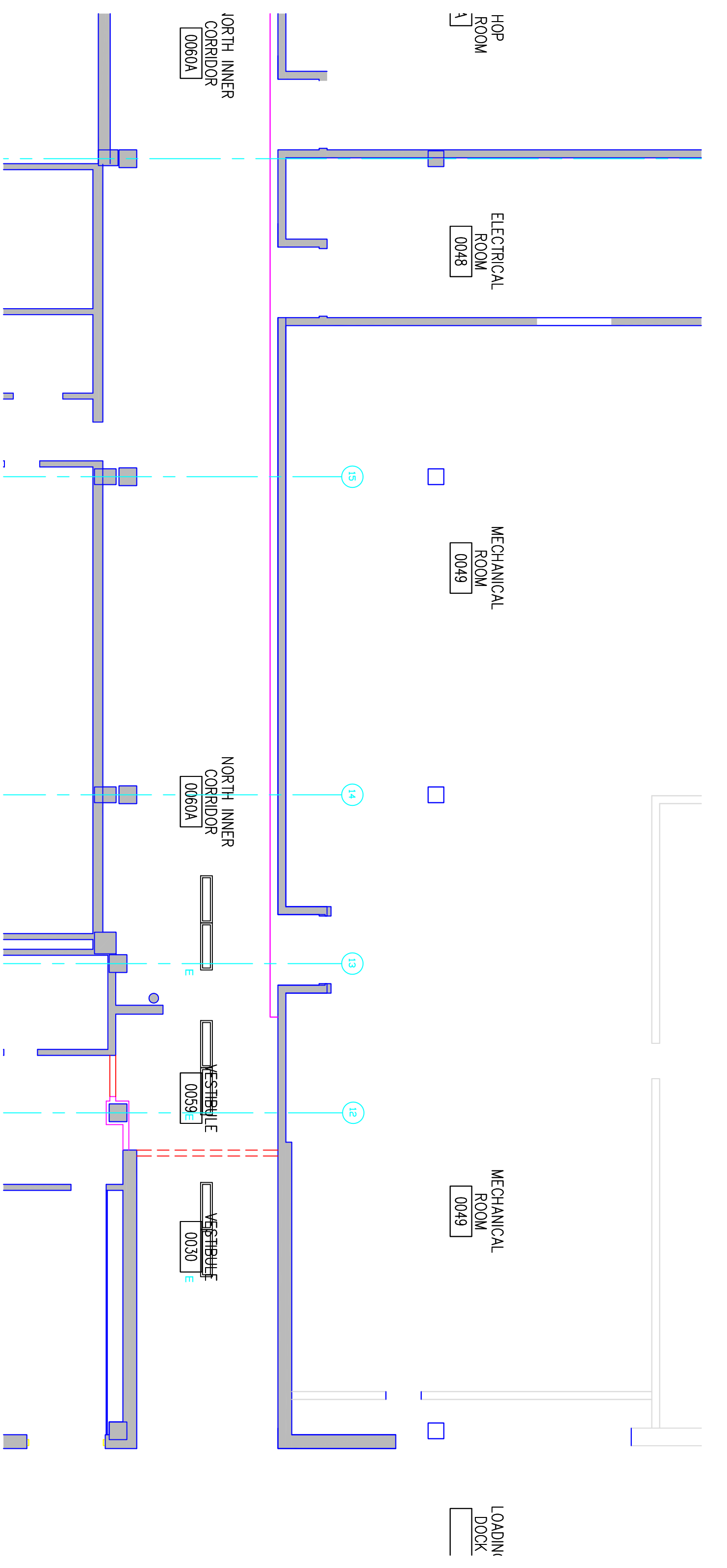
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PURCHASE, NY 10577-1400

Project Name:	Mailroom / Receiving Area Renovation Study
Project Number:	#SU-120214
Location:	Plaza Lower Level - Proposed Mailroom / Post Office / Receiving Area
Scale:	1/8" = 1'-0"
Date:	12/04/14
File Path:	Z:\I-Projects\Mailroom-Receiving Renovation\Drawings\RC_00-Opt10.dwg

Mailroom-Receiving
Reflected Ceiling Part

Plan
CSK-011



Note: Refer to MEP's drawings for all locations, runs and specification.

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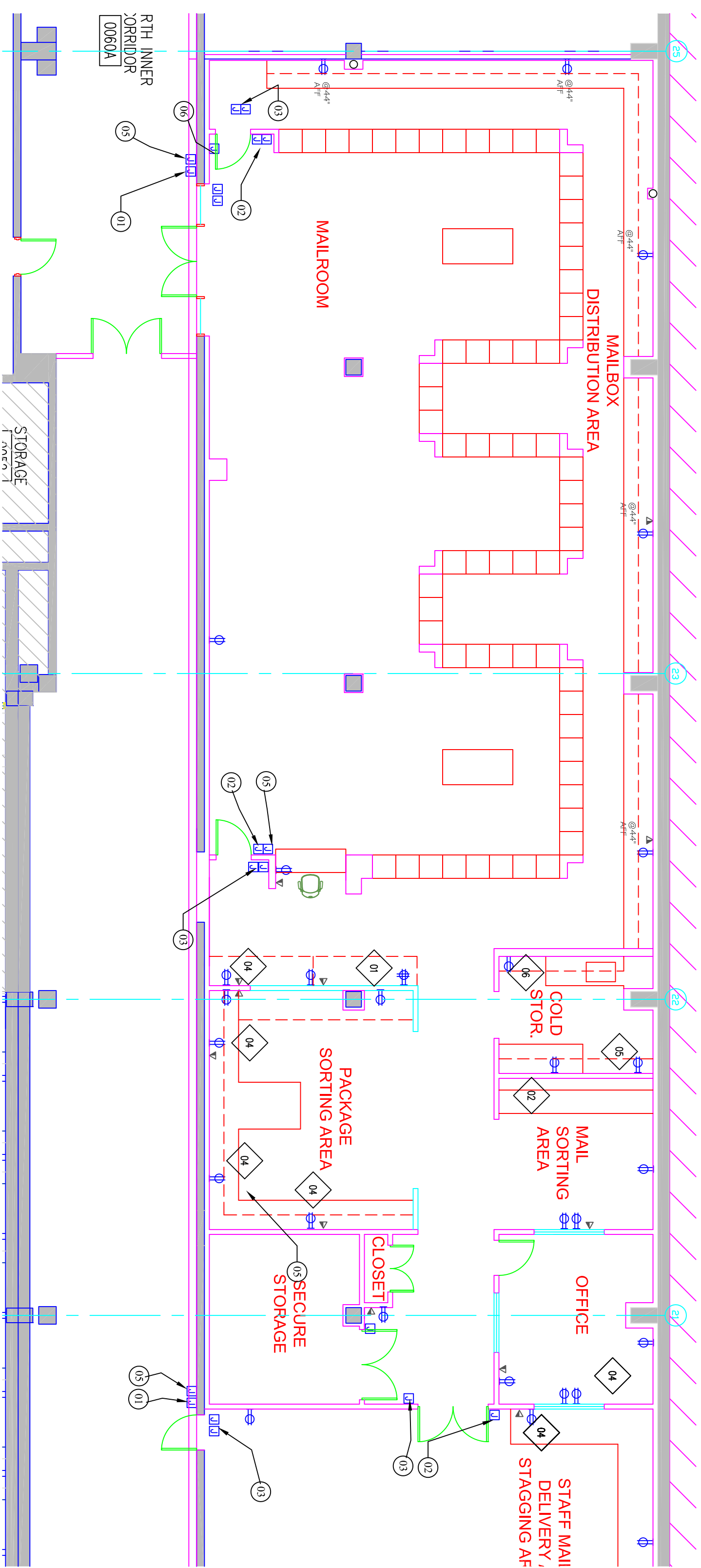
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PURCHASE, NY 10577-1400

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 Scale: 1/8" = 1'-0"
 Date: 12/04/14
 File Path: Z:\I-Projects\Mailroom-Receiving Renovation\Drawings\RC_00-Opt10.dwg

Mailroom-Receiving
Reflected Ceiling Part

Plan

CSK-011A



- 01 Provide junction box w/blank plate for card reader. Feed thru wall to junction box located inside.
- 02 Provide junction box w/blank plate for card reader.
- 03 Provide electrical junction box above ceiling for security devices.

- 04 Not Used
- 05 Provide junction box for alarm panel. (Feed through wall to junction box located inside above ceiling) Existing burglar alarm to be removed from old facility and reinstalled at new facility. 2 Zones required.
- 06 Relocate Fire alarm Strobe

- 01 Scale
- 02 Mailsorter
- 03 Not Used
- 04 Computer
- 05 New Freezer
- 06 Refrigerator

Note: Refer to E Drawings

PURCHASE

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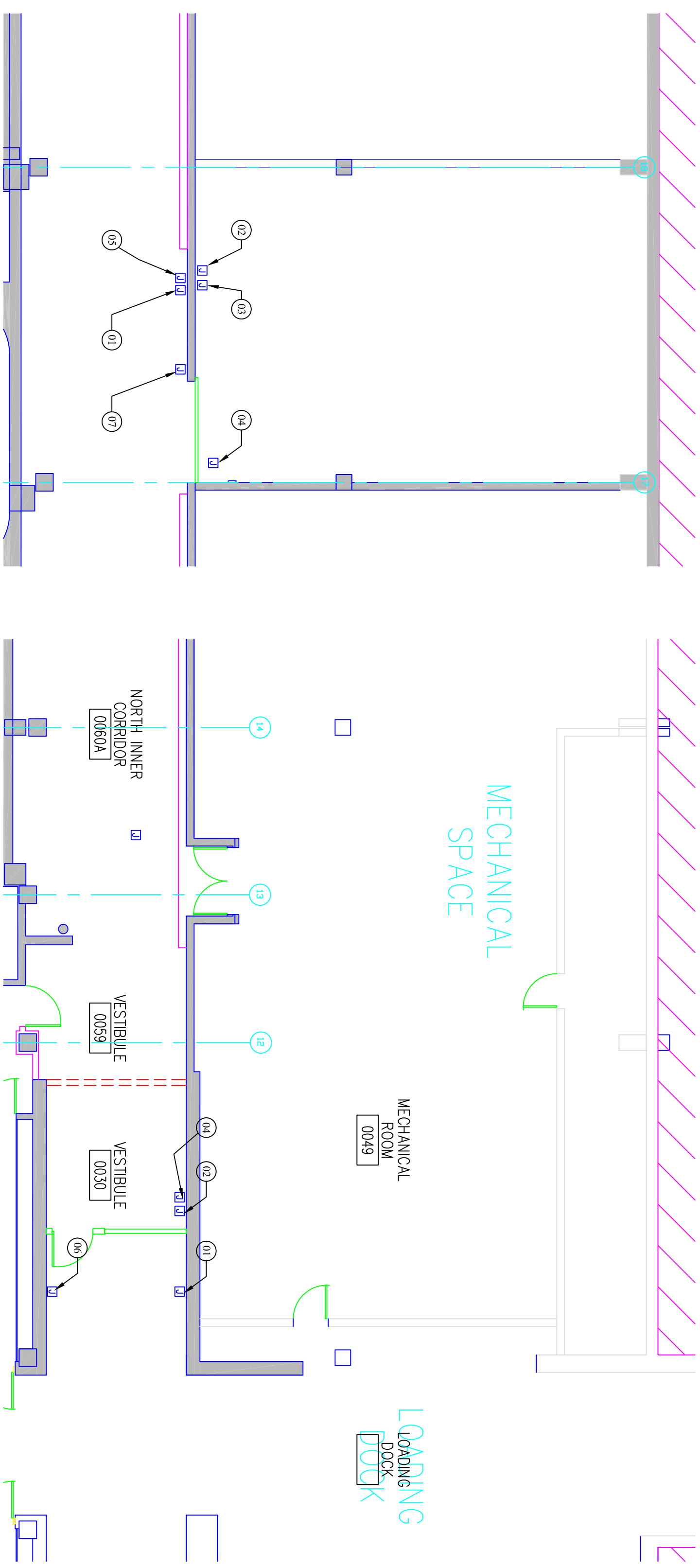
735 ANDERSON HILL RD.
PURCHASE, NY 10577-1400

Project Name:	Mailroom / Receiving Area Renovation Project
Project Number:	#SU-120814
Location:	Plaza Lower Level - Proposed Mailroom / Post Office / Receiving Area
Scale:	1/8" = 1'-0"
Date:	12/02/14
File Path:	Z:\1-Projects\Mailroom-Receiving Renovation\Drawings\PC_00-Opt10c.dwg

Mailroom-Receiving Power/Telecom Part

Plan

CSK-012



- 01 Provide junction box w/key switch for roll-up door.
- 02 Provide junction box for roll-up door controller.
- 03 Provide junction box for alarm panel.

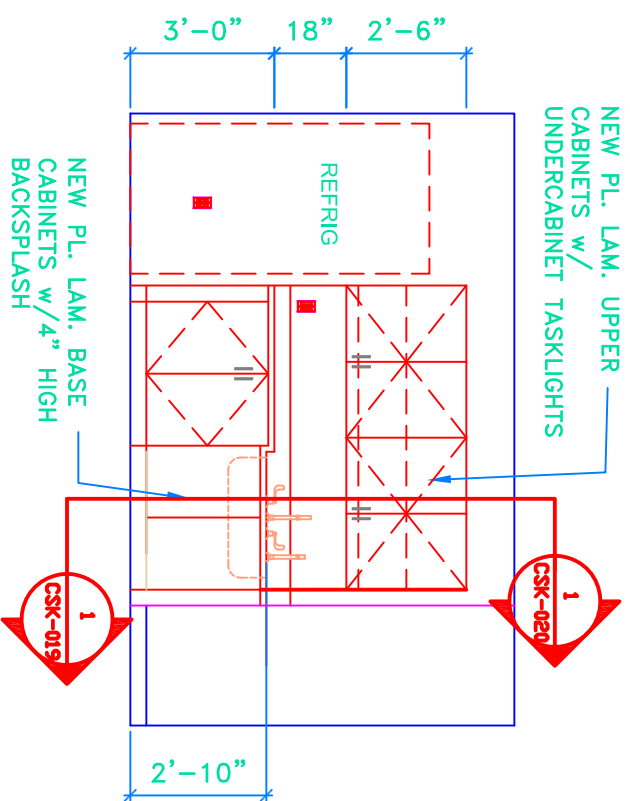
Note: Refer to E Drawings.

- 04 Provide junction box for electrical power for roll-up door.
- 05 Provide junction box for electrical power for alarm system(Feed through wall to junction box above ceiling)
- 06 Provide junction box for electrical power for ADA door (Feed through wall to junction box above ceiling)

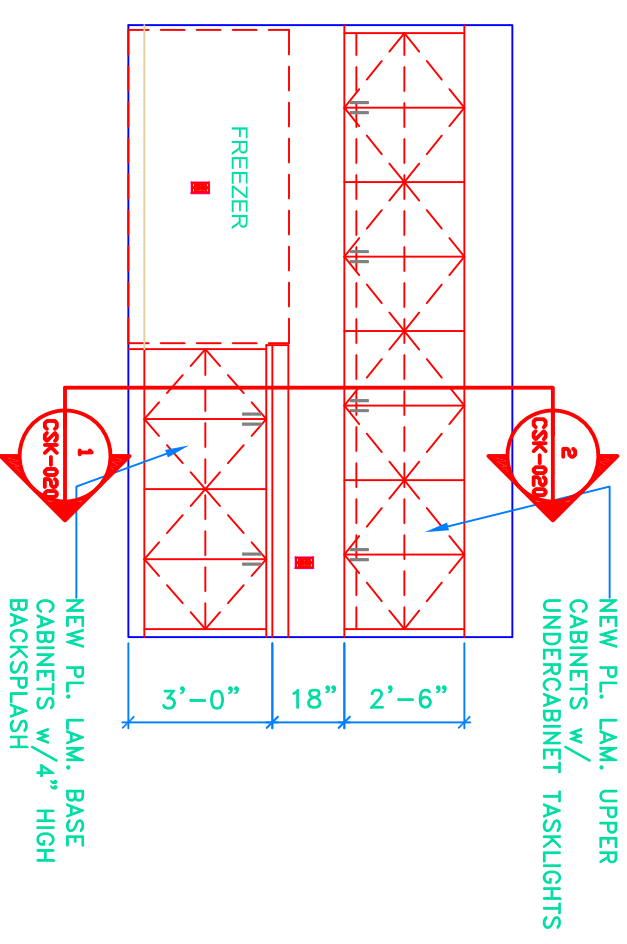
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 735 ANDERSON HILL RD.
 PURCHASE, NY 10577-1400

Project Name: Mailroom / Receiving Area Renovation Study
 Project Number: #SU-120814
 Location: Plaza Lower Level - Proposed Mailroom / Post Office / Receiving Area
 Scale: 1/8" = 1'-0"
 Date: 12/04/14
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Mailroom-Receiving
 Power/Telecom Part
 Plan
 CSK-013

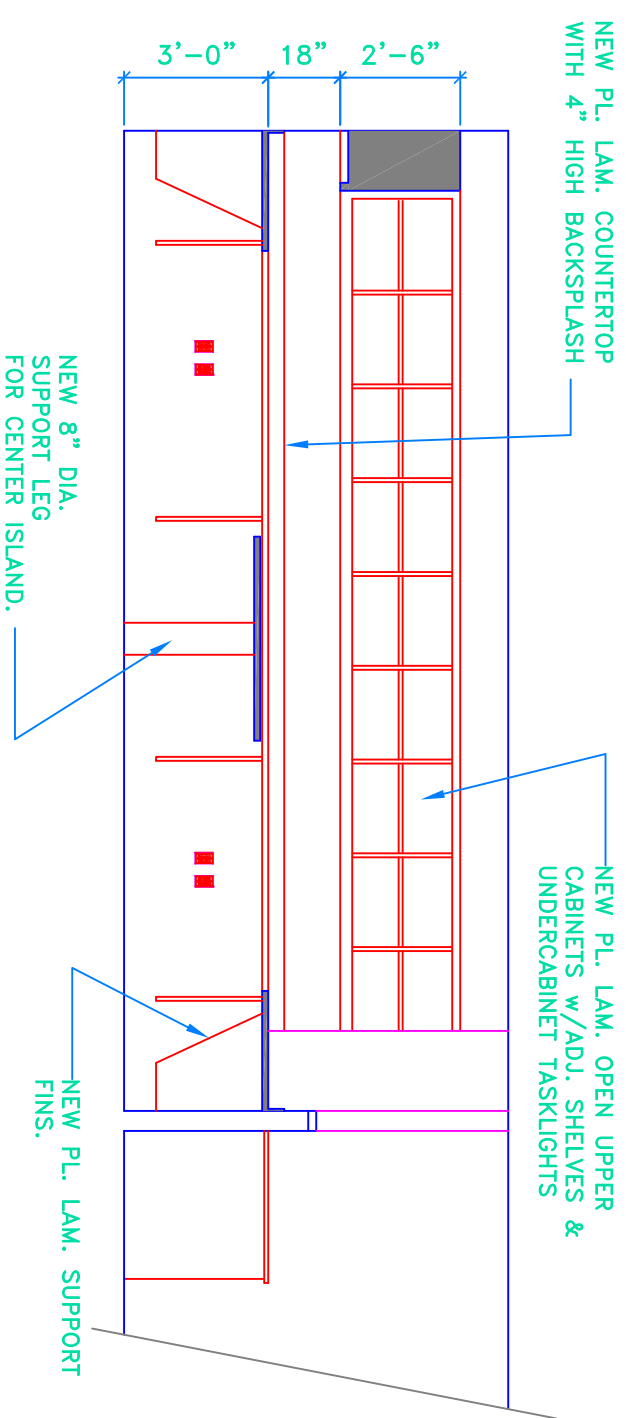


1 Elevation at West Wall Pantry

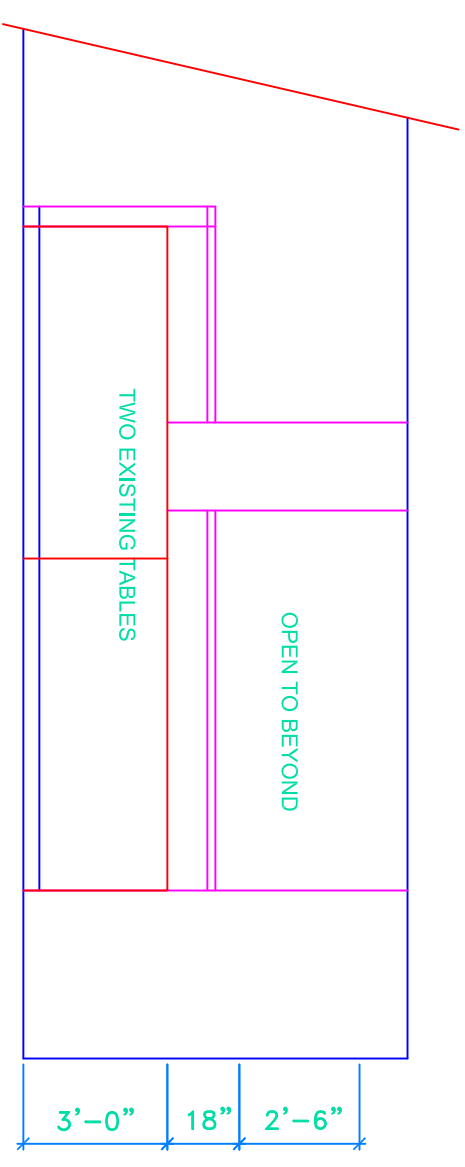
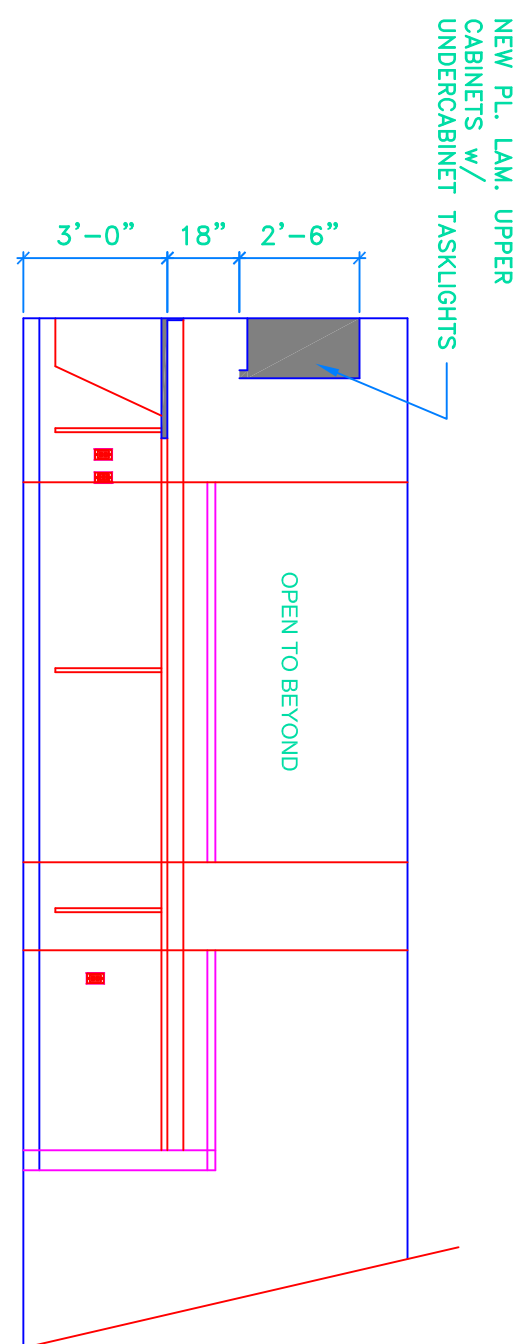


2 Elevation at East Wall Pantry

Project Name: Mailroom / Receiving Area Renovation Project
 Project Number: #SU-120814
 Location: Plaza Lower Level - Proposed Mailroom / Post Office / Receiving Area
 Scale: 1/4" = 1'-0"
 Date: 12/05/14
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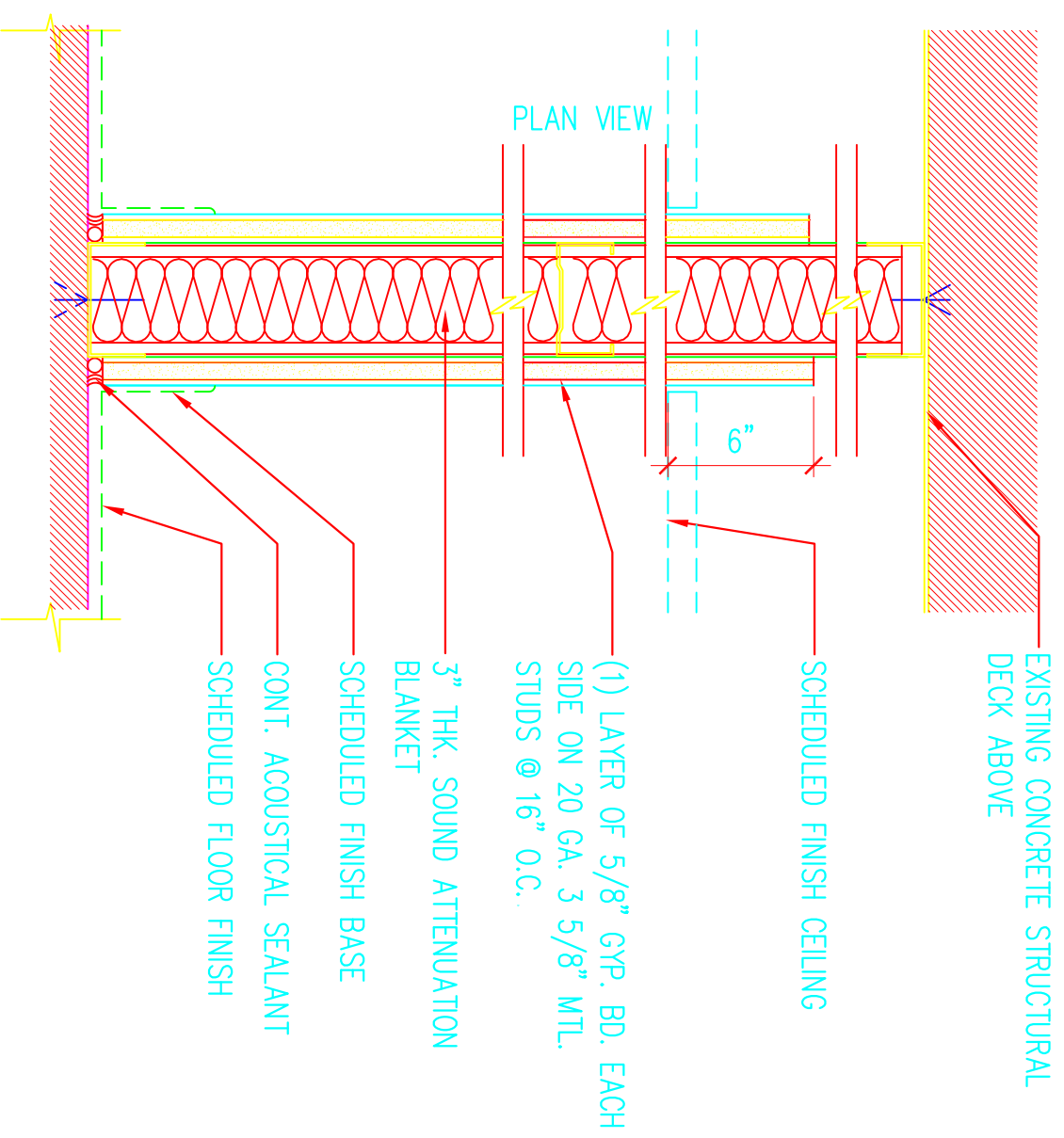
1 Elevation at South Storage Area



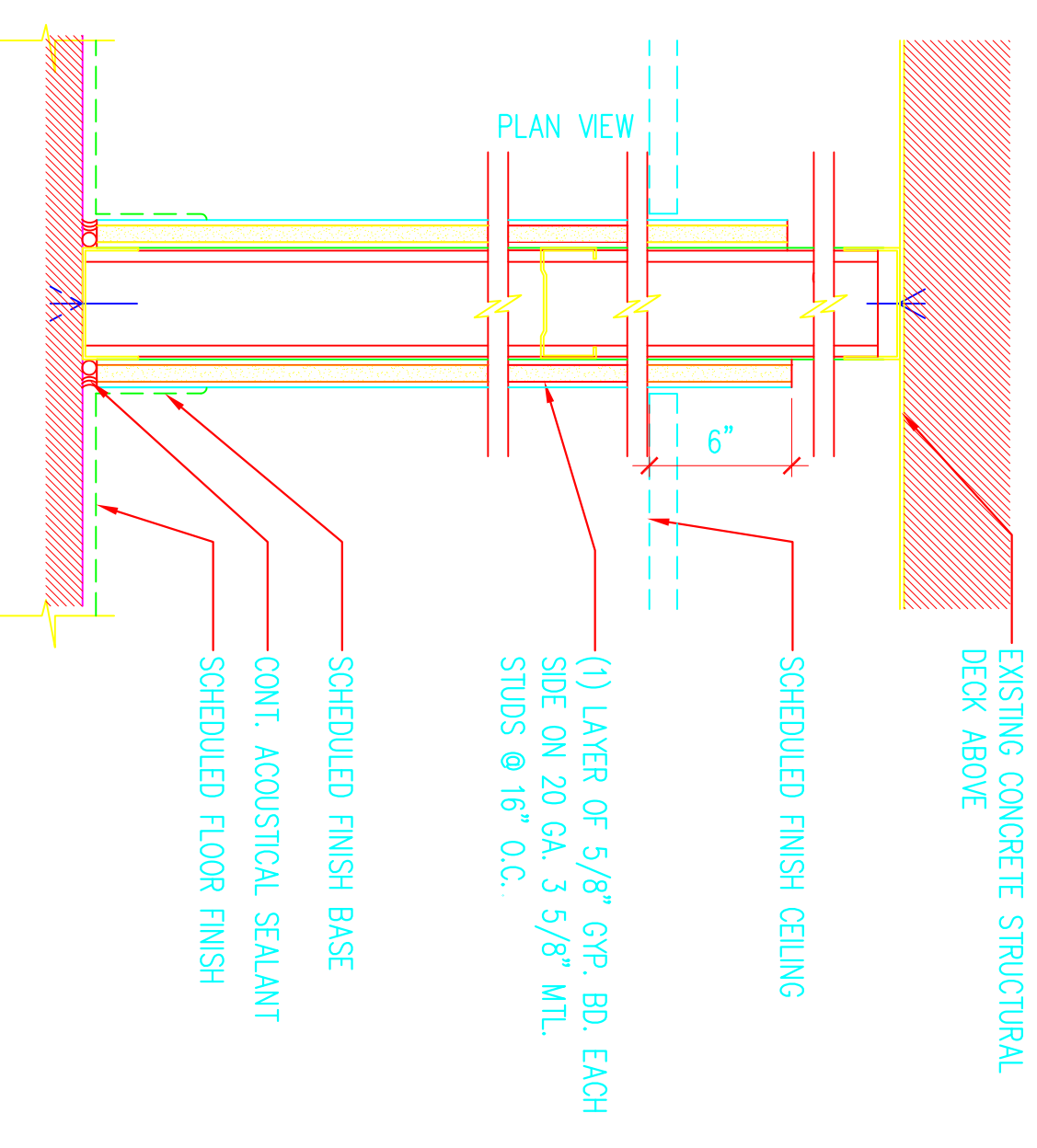
3 Elevation at West Wall Mail Sorting Area

4 Elevation at East Wall Behind Service Counter

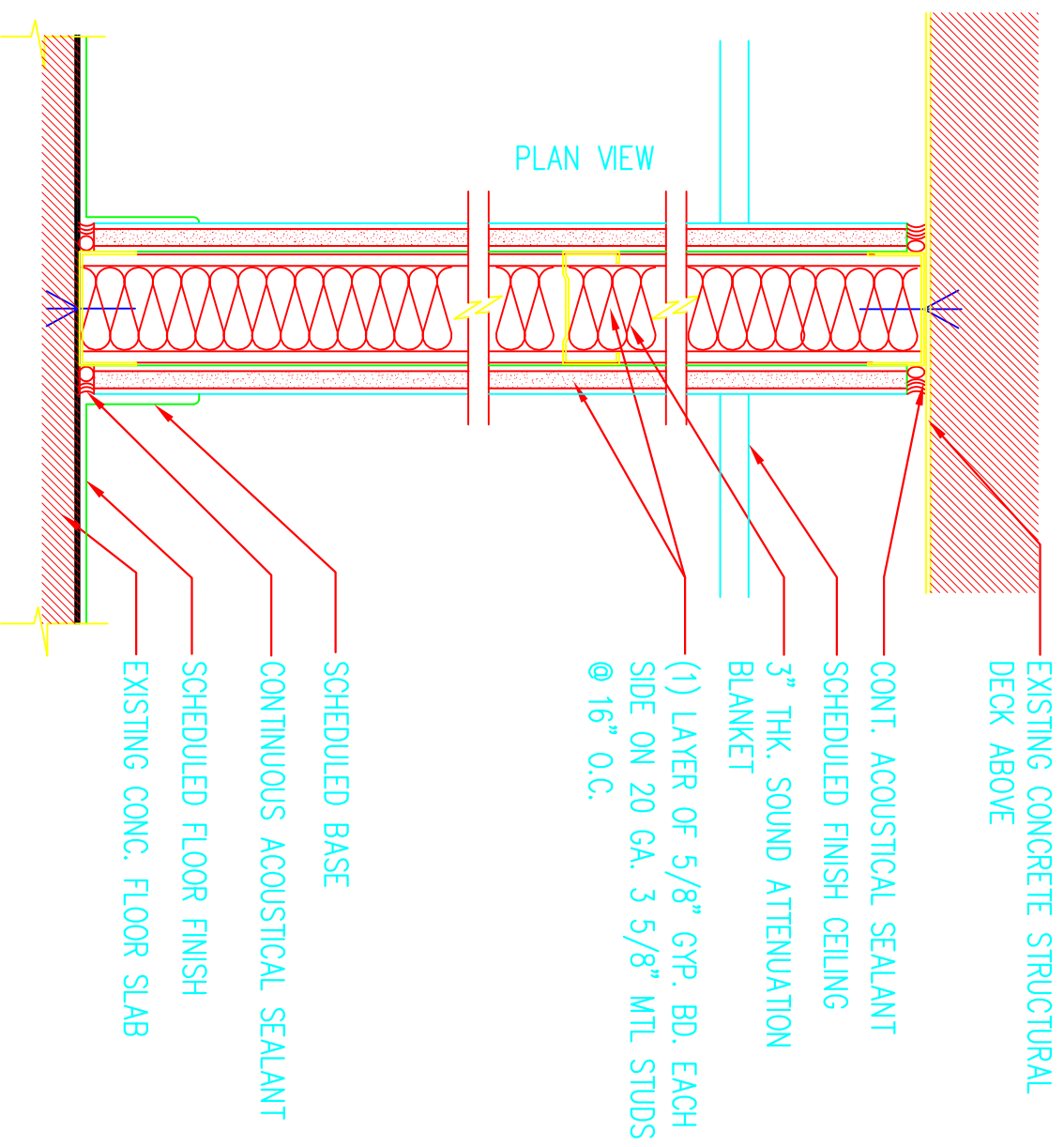
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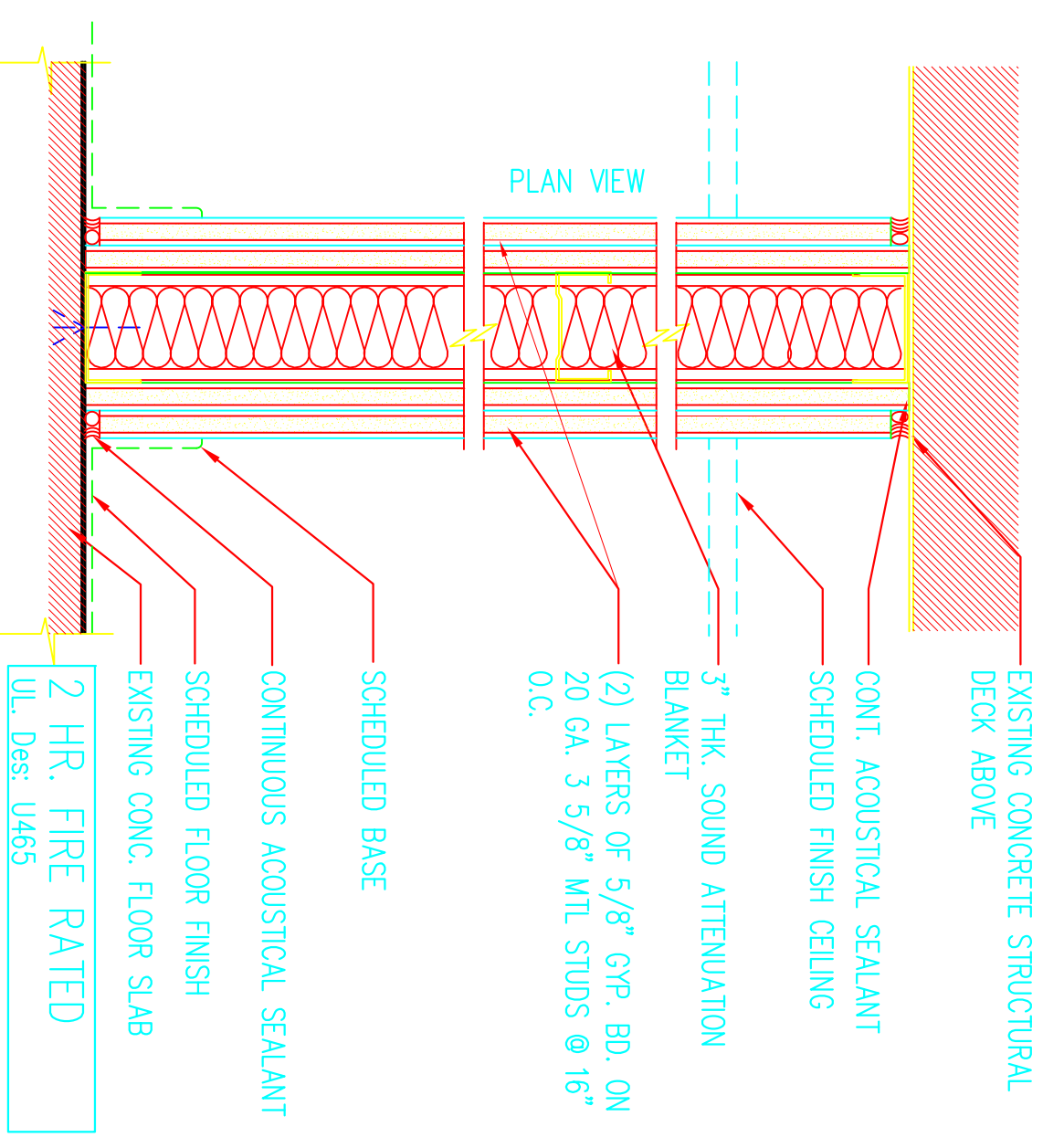
1 Wall Type 1 - Single Layer GWB 6" Above Ceiling
(Not Used)



2 Wall Type 1A - Single Layer GWB to 6" Above Ceiling
No Insulation

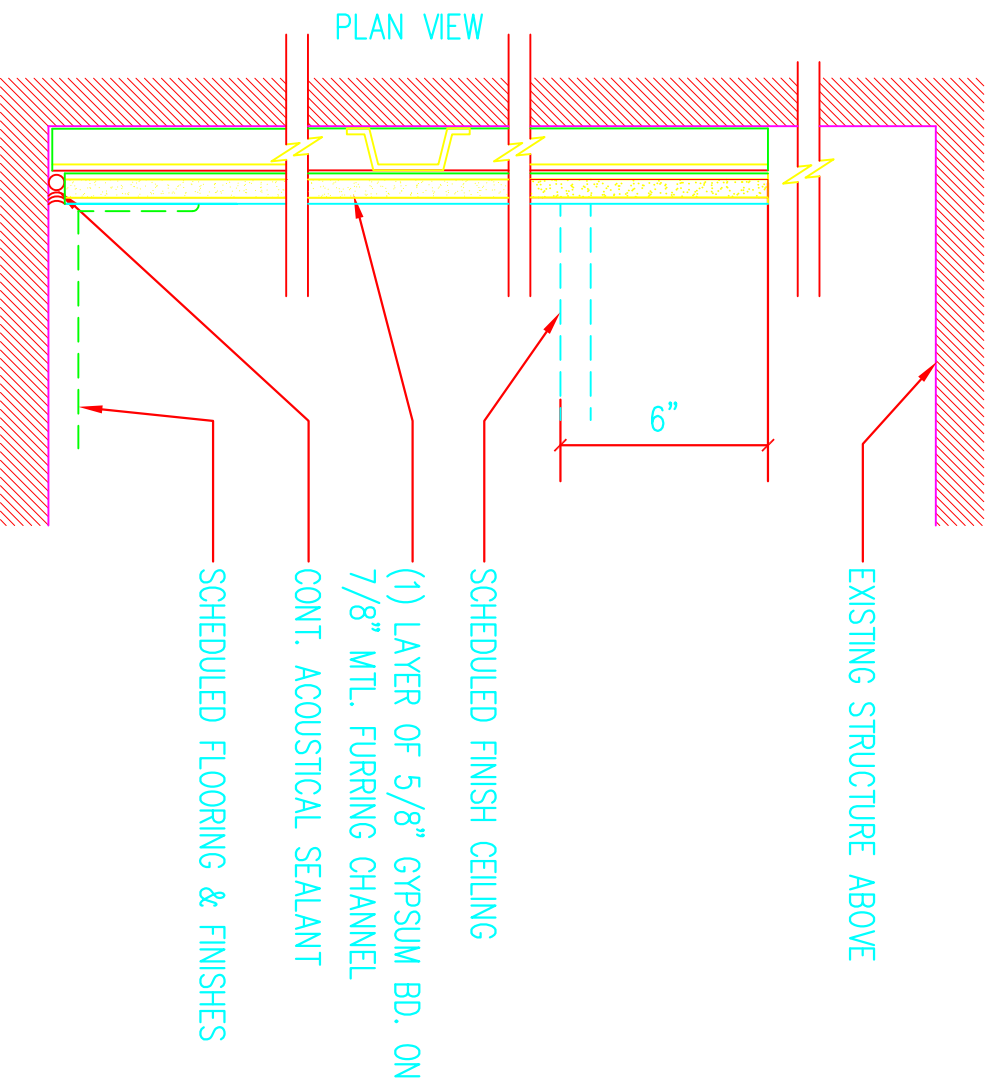


1 Wall Type 2 - Single Layer GWB to Slab Above



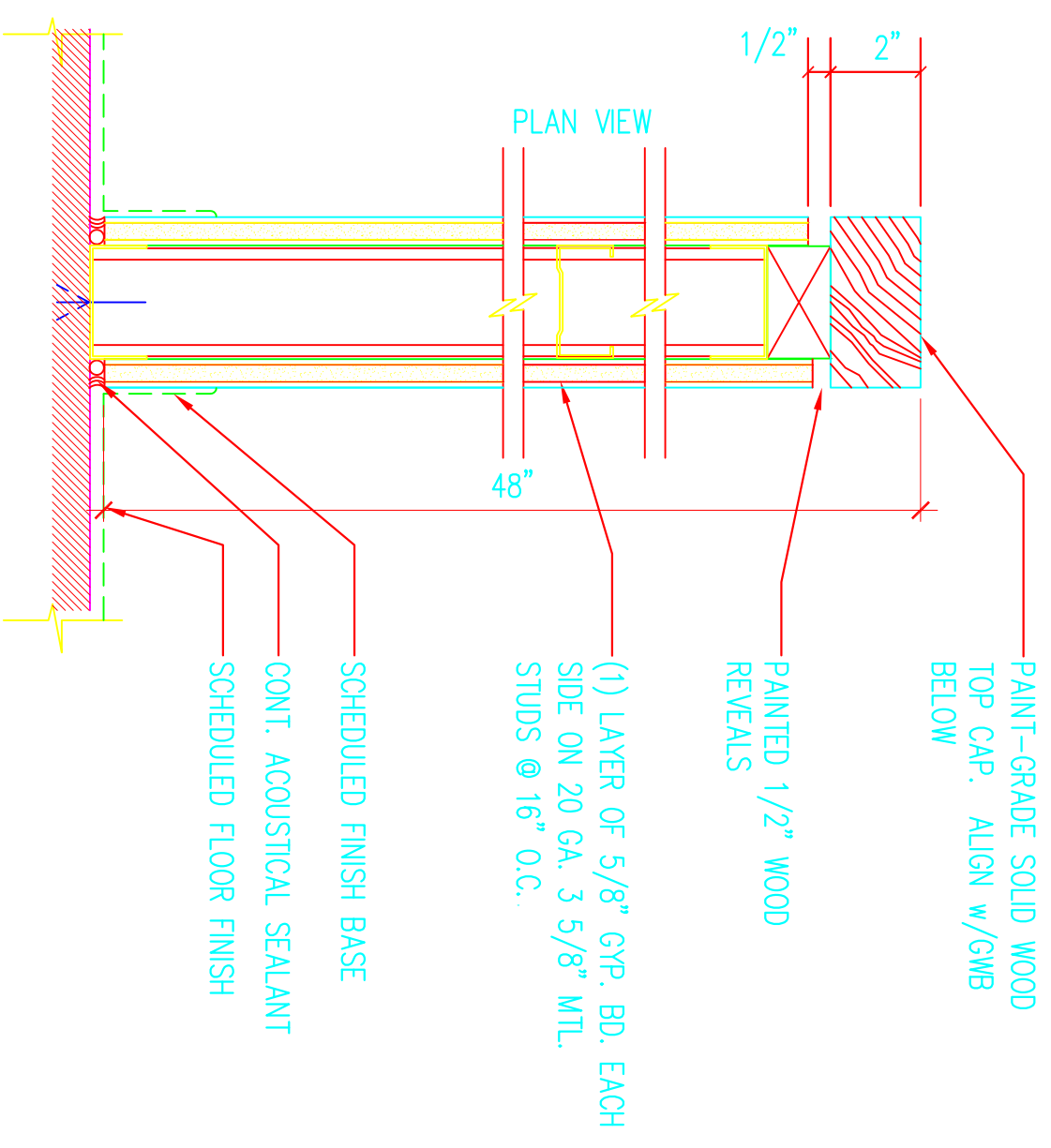
2 Wall Type 3 - 2 Hour Rated Wall

Project Name: Mailroom / Receiving Area Renovation Study
 Project Number: #SU-120814
 Location: Plaza Lower Level - Proposed Mailroom / Post Office / Receiving Area/ Wall Types
 Scale: 3" = 1'-0"
 Date: 12/05/14
 File Path: Z:\1-Projects\Mailroom-Receiving Renovation\Drawings\DT-WALLS.dwg



1 Wall Type 4/4A - Furred Single Layer GWB

4A (1 LAYER OF 5/8" GWB ON 20 GA3 5/8"MTL STUDS @16" O.C.)



2 Wall Type 5 - Low Partition Wall

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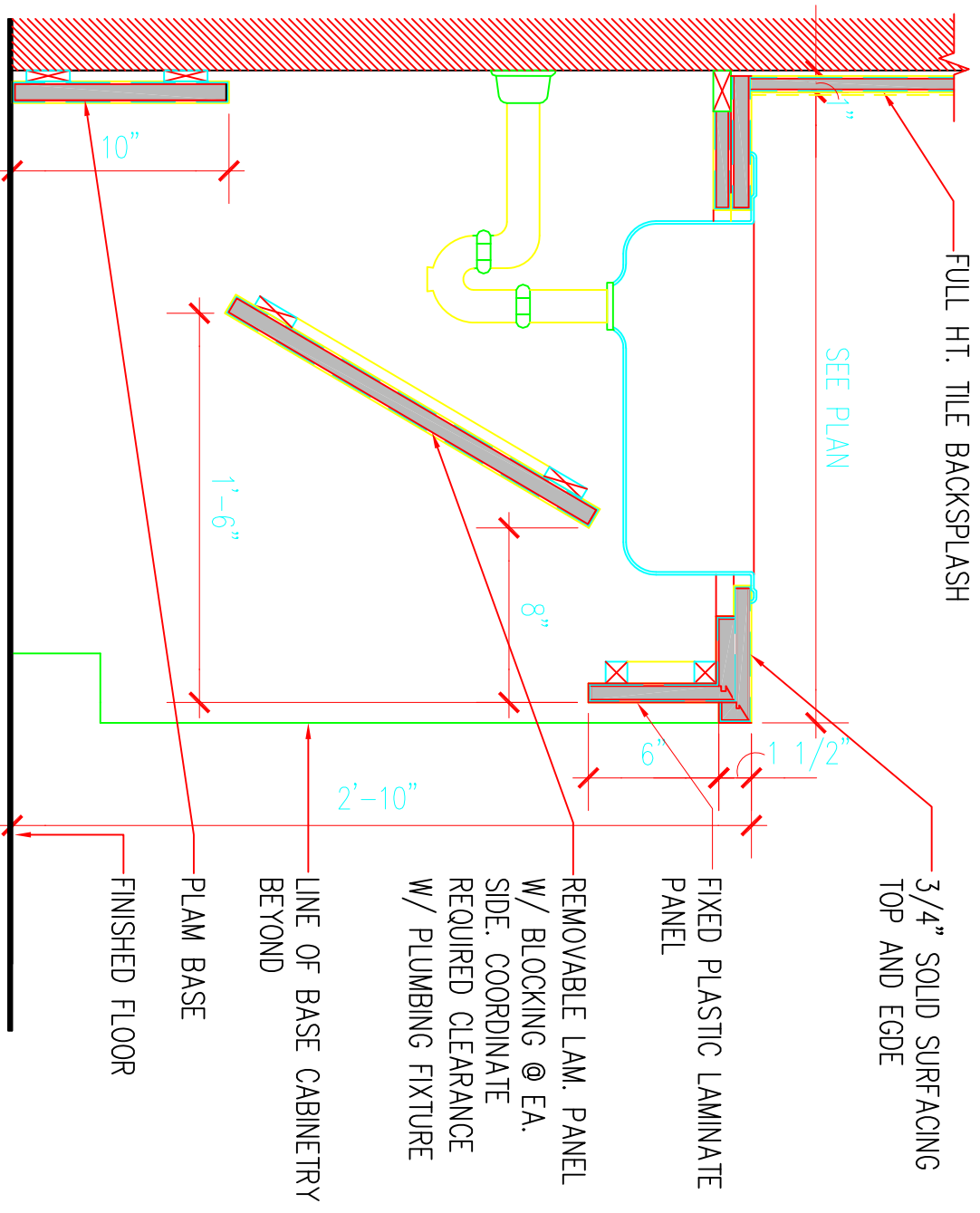
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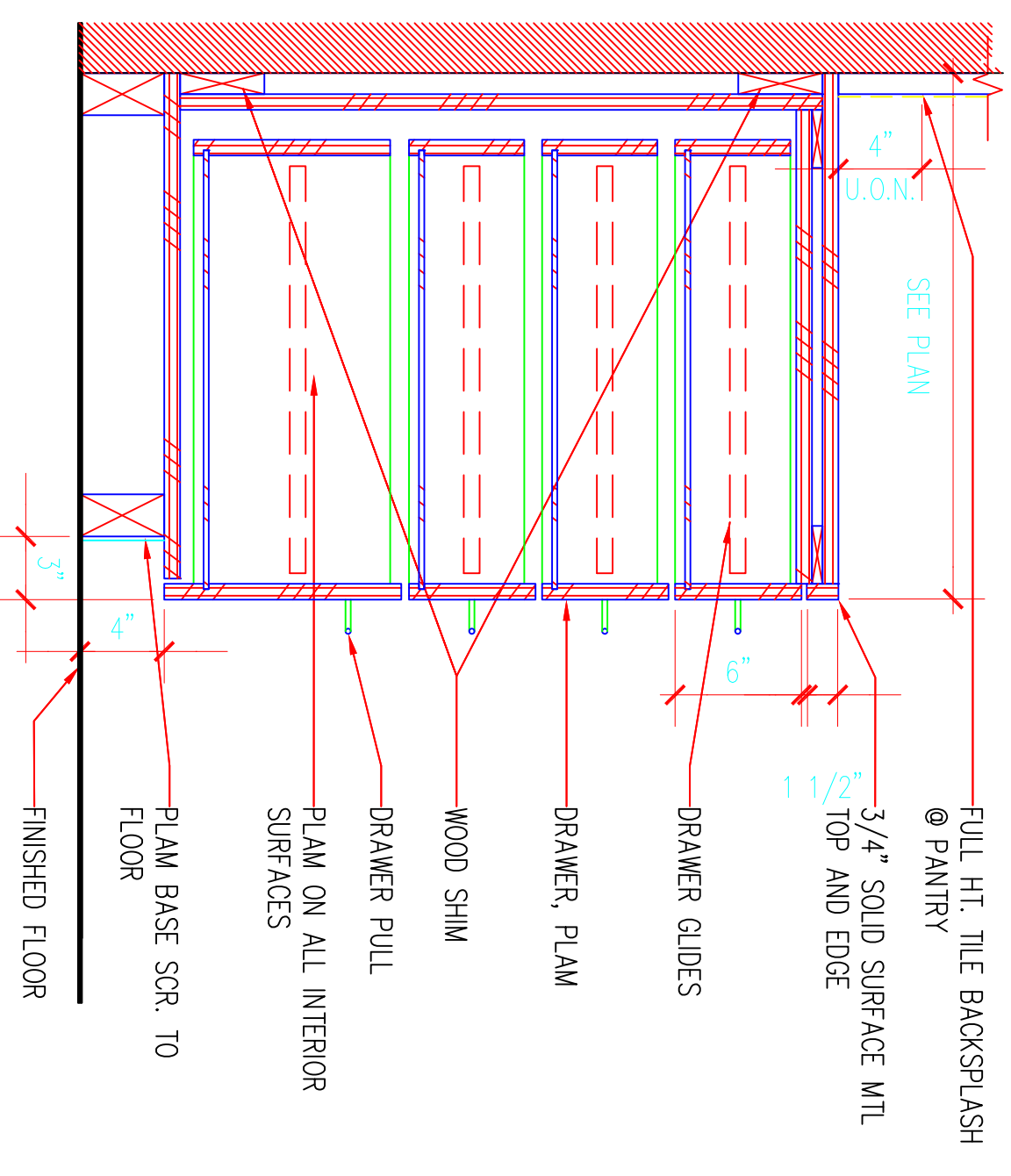
735 ANDERSON HILL RD.
PURCHASE, NY 10577-1400

Project Name:	Mailroom / Receiving Area Renovation Study
Project Number:	#SU-120814
Location:	Plaza Lower Level - Proposed Mailroom / Post Office / Receiving Area/ Wall Types
Scale:	3" = 1'-0"
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Mailroom-Receiving
Wall Type Details
CSK-018

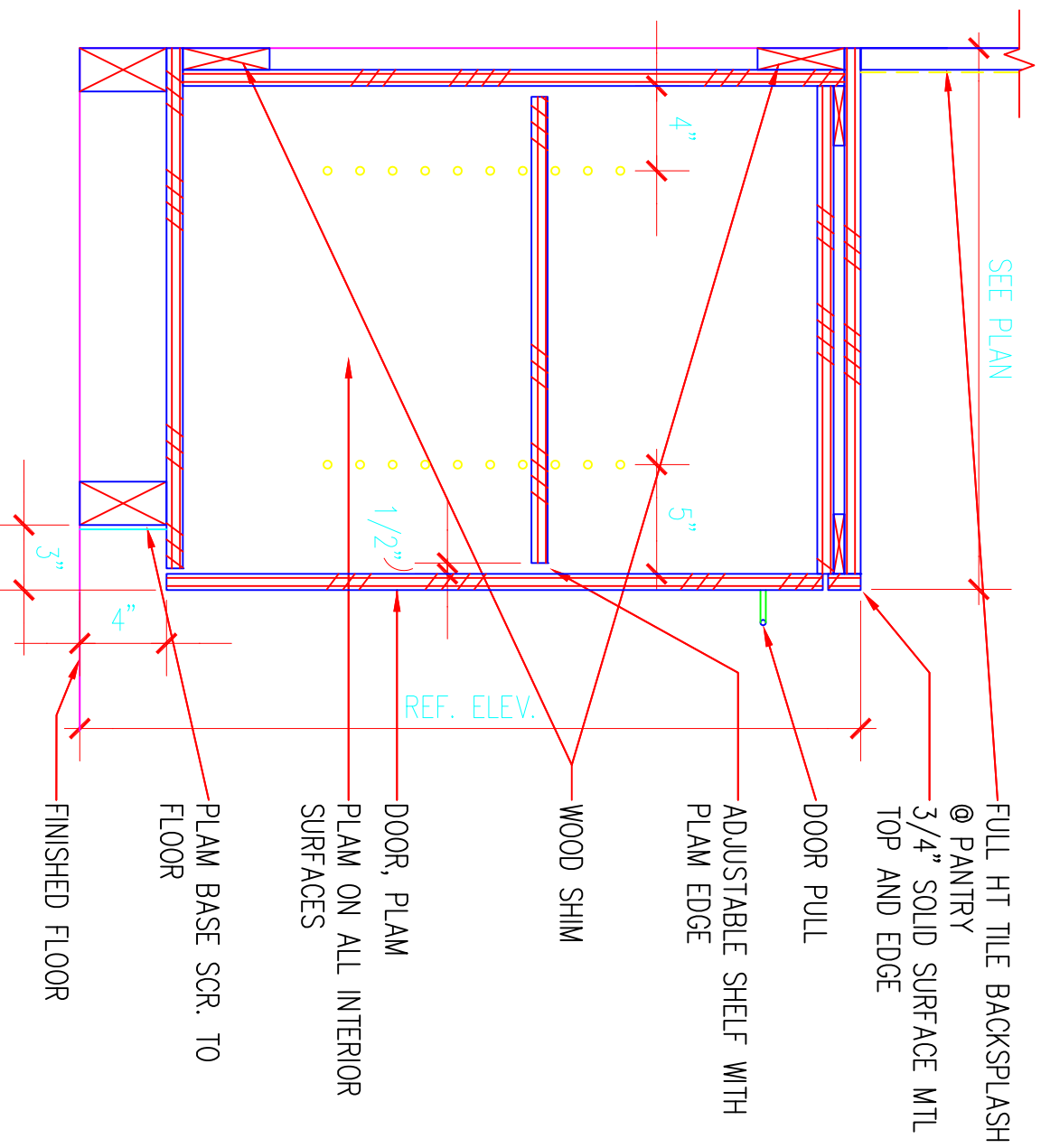


1 Millwork Detail - Typical Base Cabinet w/Sink

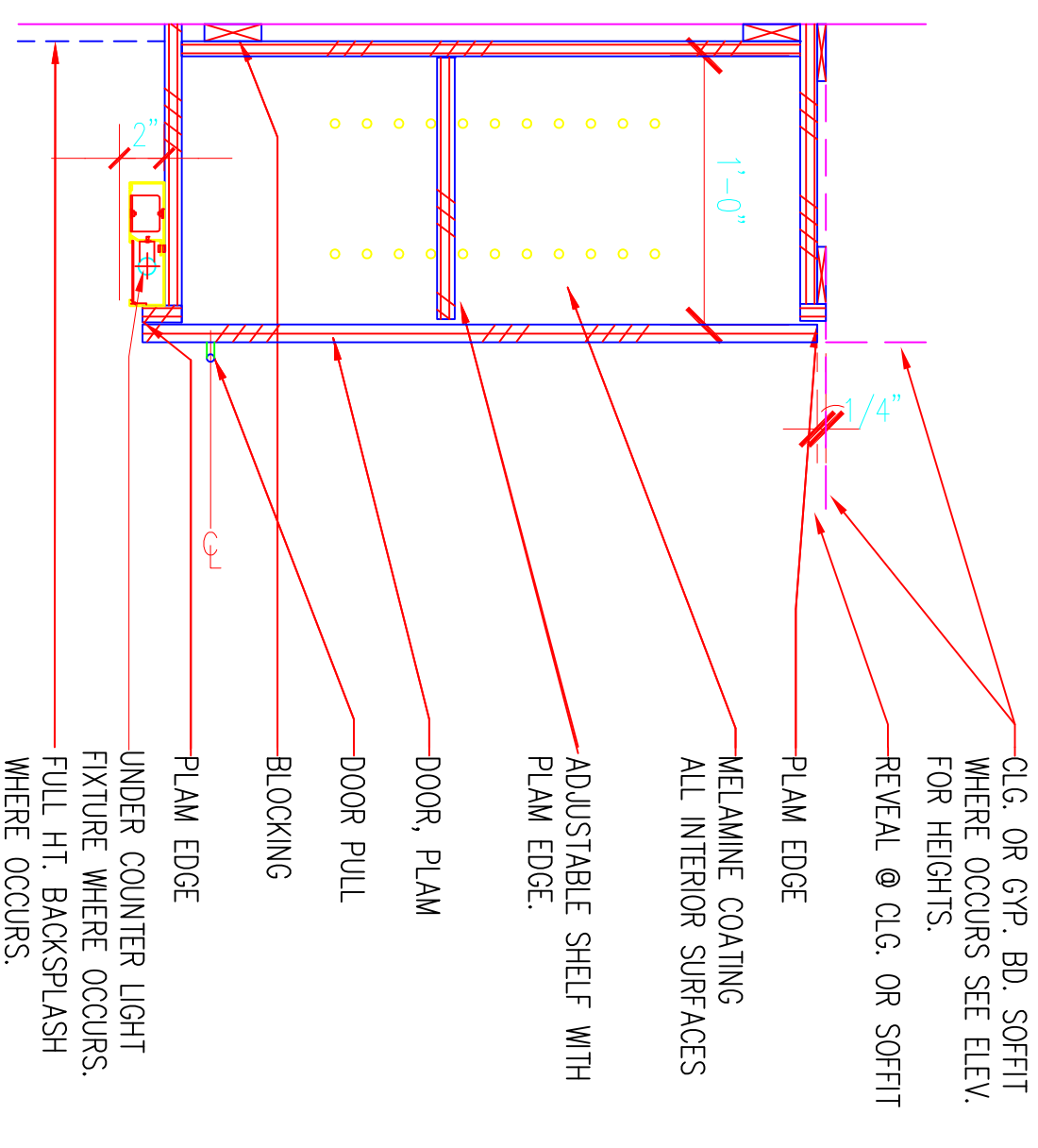


2 Millwork Detail - Typical Base Cabinet w/Drawers
(NOT USED)

Project Name: Mailroom / Receiving Area Renovation Project
 Project Number: #SU-120814
 Location: Plaza Lower Level - Proposed Mailroom / Post Office / Receiving Area
 Scale: 1-1/2" = 1'-0"
 Date: 11/17/14
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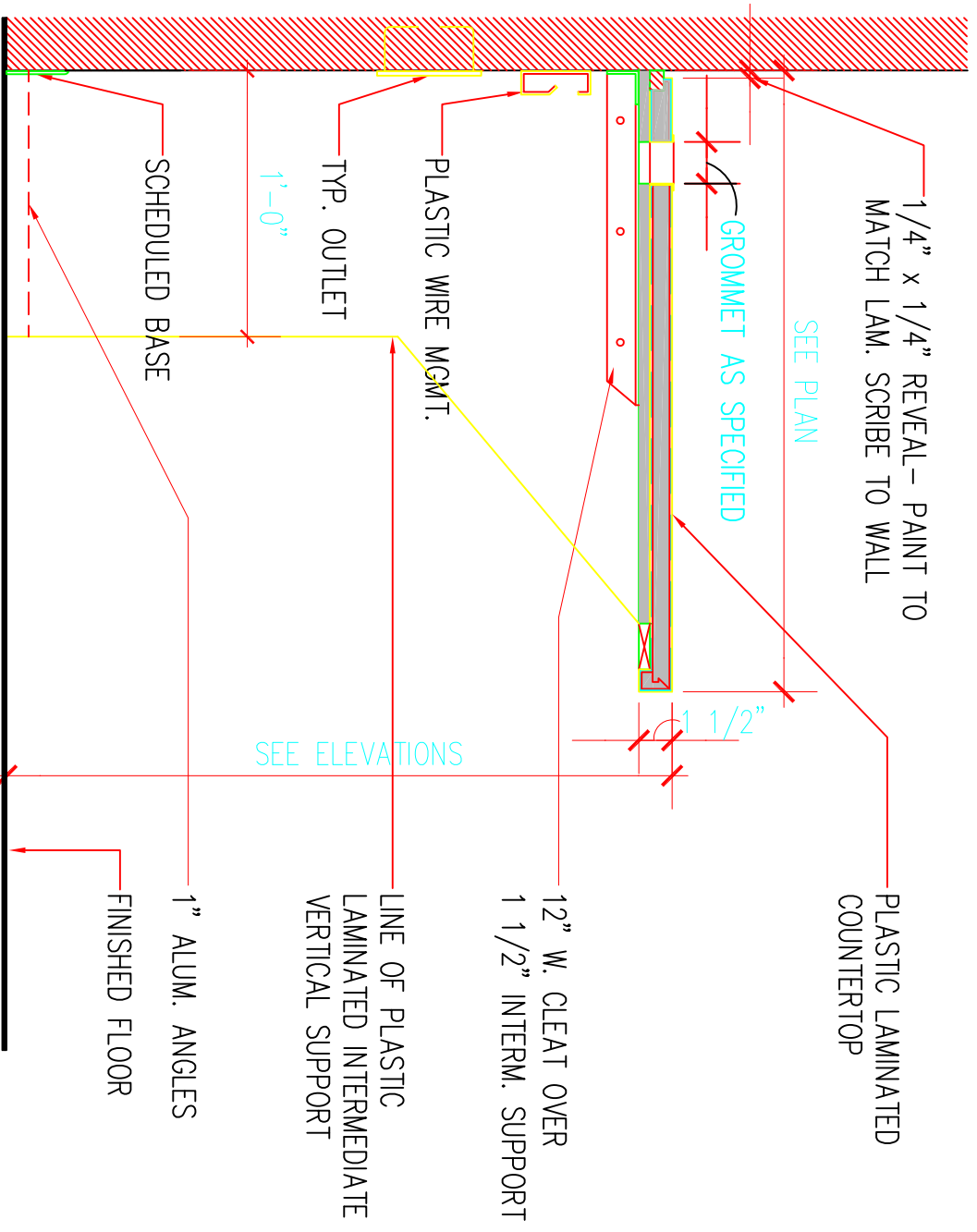


1 Millwork Detail - Typical Base Cabinet

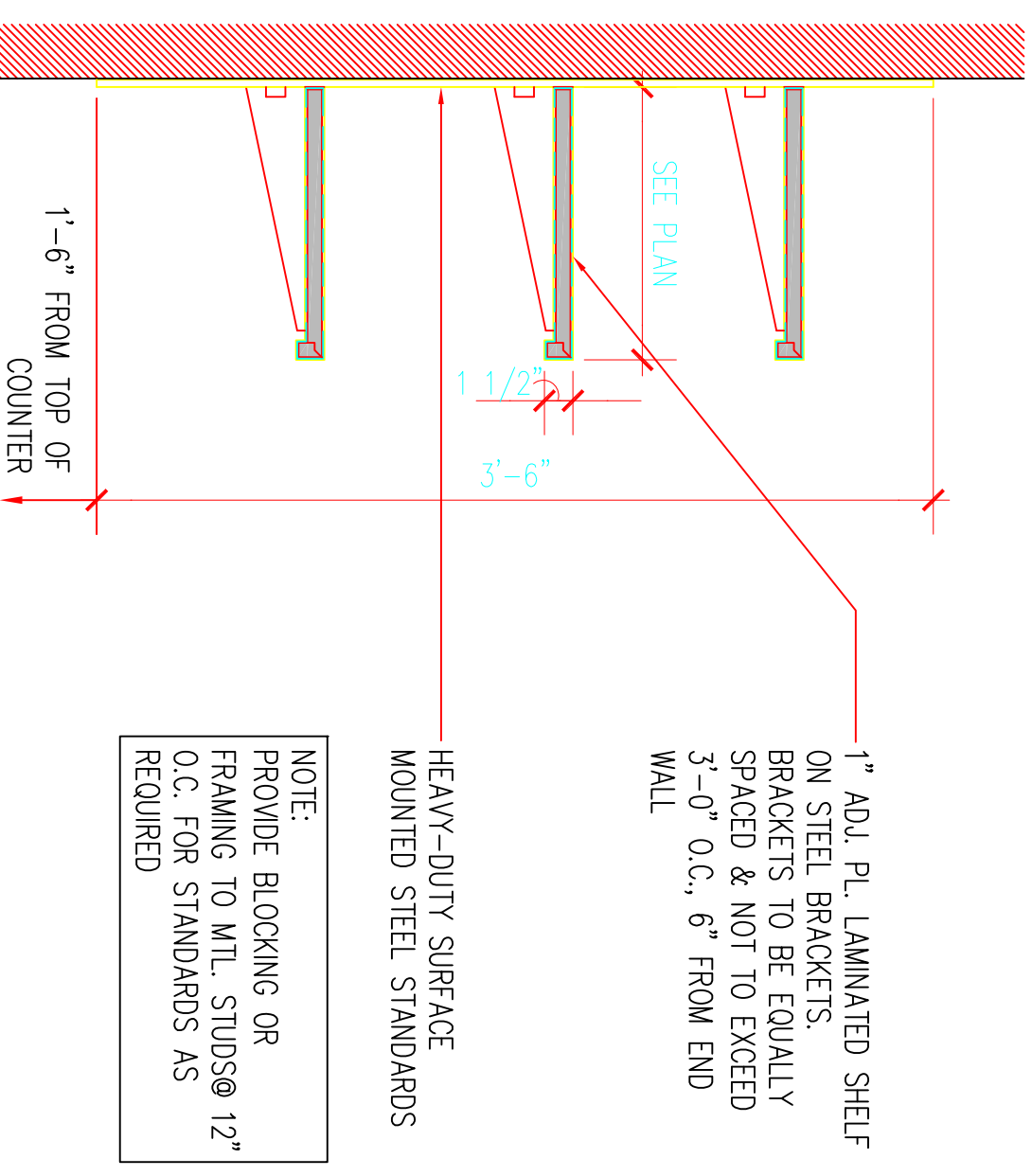


2 Millwork Detail - Typical Overhead Cabinet

Project Name: Mailroom / Receiving Area Renovation Project
 Project Number: #SU-120814
 Location: Plaza Lower Level - Proposed Mailroom / Post Office / Receiving Area
 Scale: 1-1/2" = 1'-0"
 Date: 11/17/14
 File Path: Z:\1-Projects\Mailroom-Receiving Renovation\Drawings\DT-MILLWORK.dwg



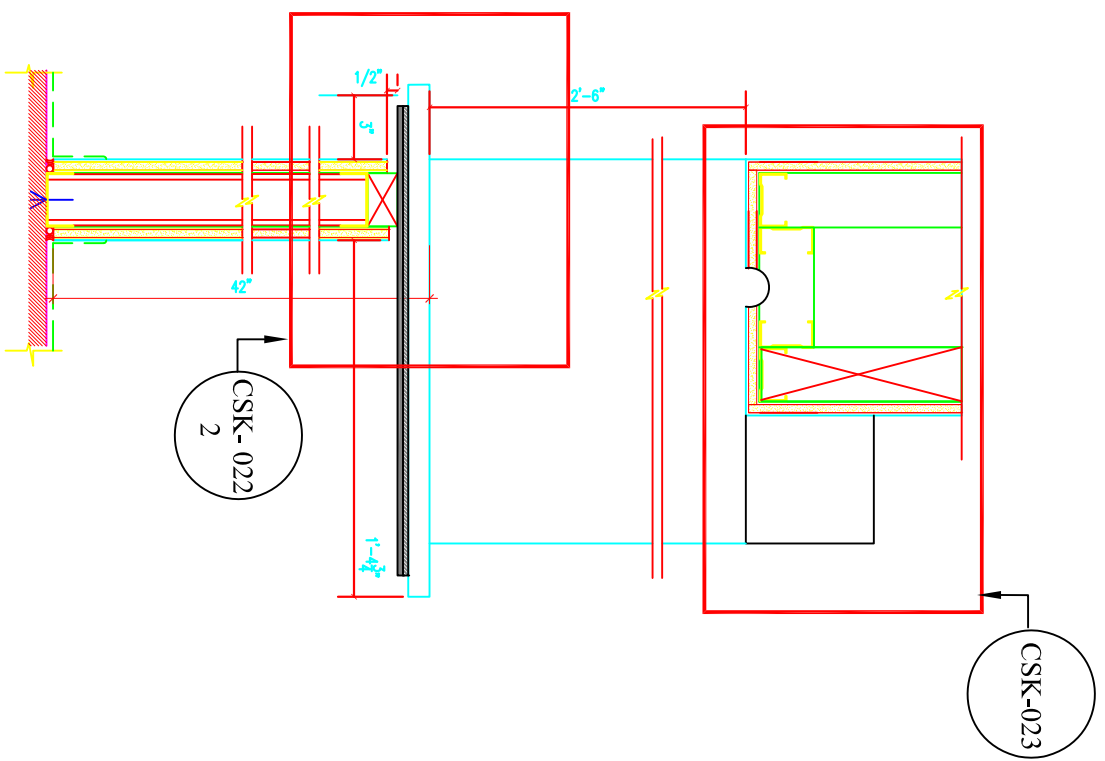
1 Millwork Detail - Typical Work Counter



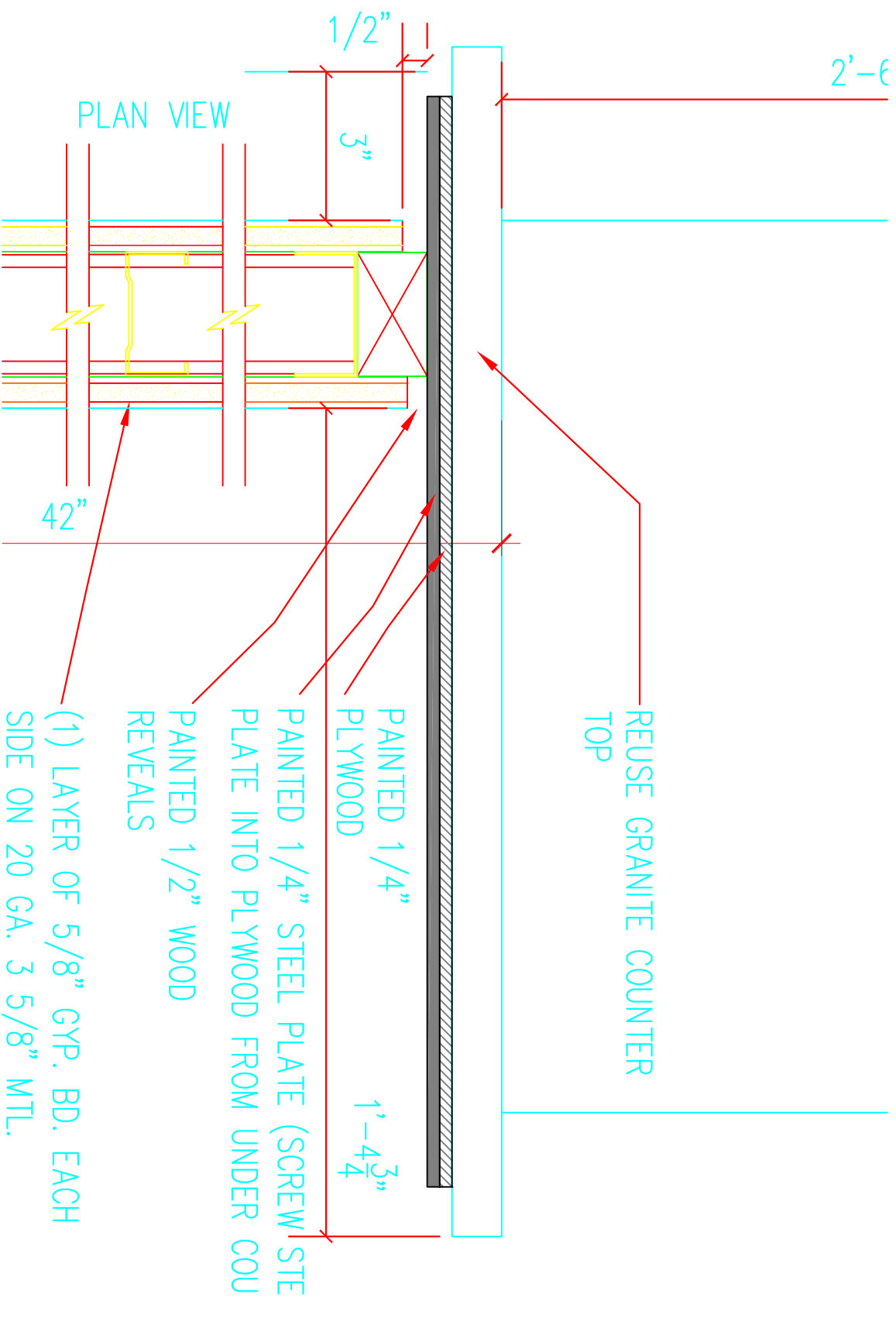
2 Millwork Detail - Typical Adjustable Shelving

NOTE:
 PROVIDE BLOCKING OR
 FRAMING TO MTL. STUDS @ 12"
 O.C. FOR STANDARDS AS
 REQUIRED

Project Name:	Mailroom / Receiving Area Renovation Project
Project Number:	#SU-120814
Location:	Plaza Lower Level - Proposed Mailroom / Post Office / Receiving Area/ Millwork
Scale:	1-1/2" = 1'-0"
Date:	11/17/14
File Path:	Z:\I-Projects\Mailroom-Receiving Renovation\Drawings\DT-MILLWORK.dwg

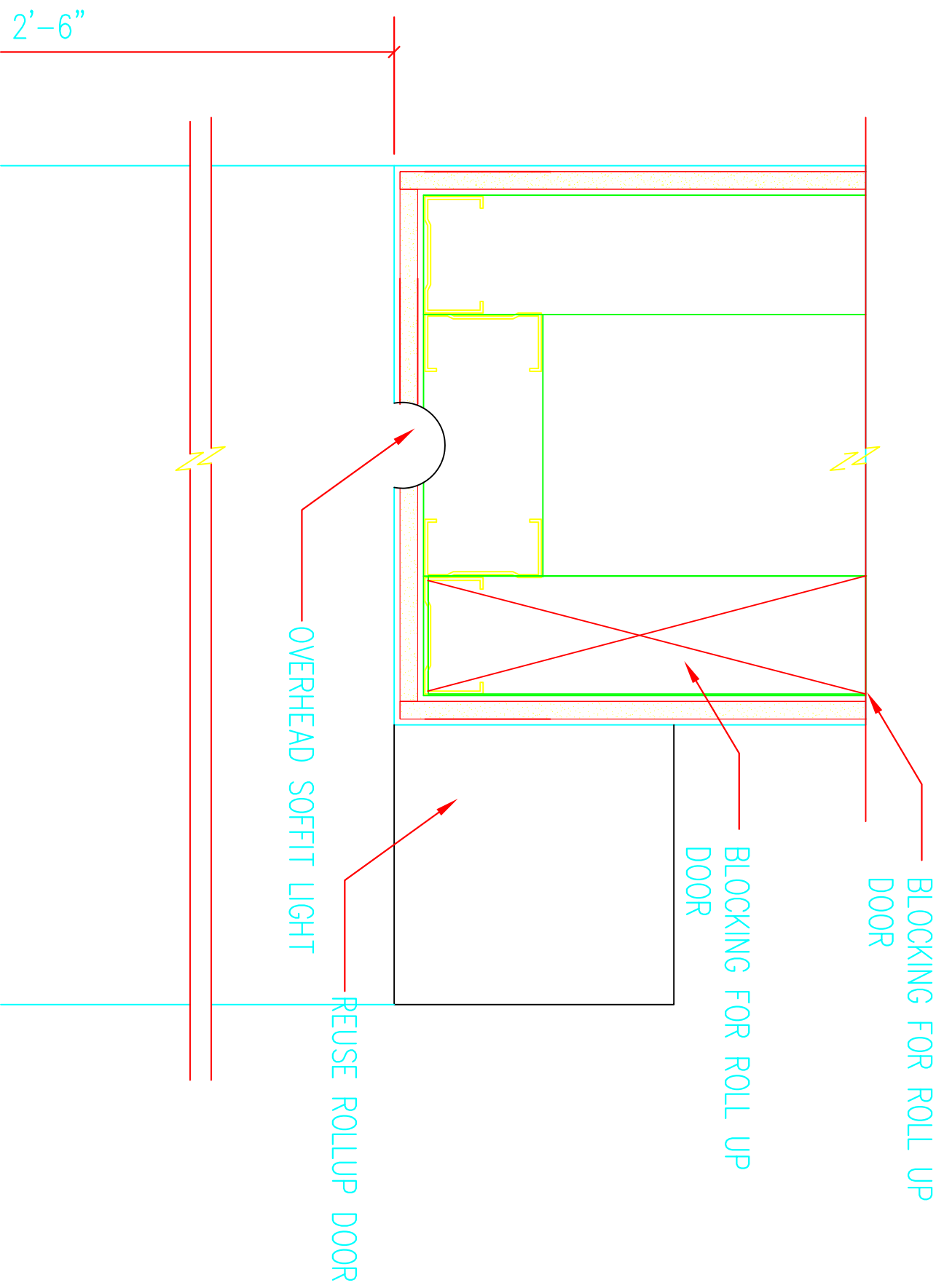


1 Section
Not to Scale



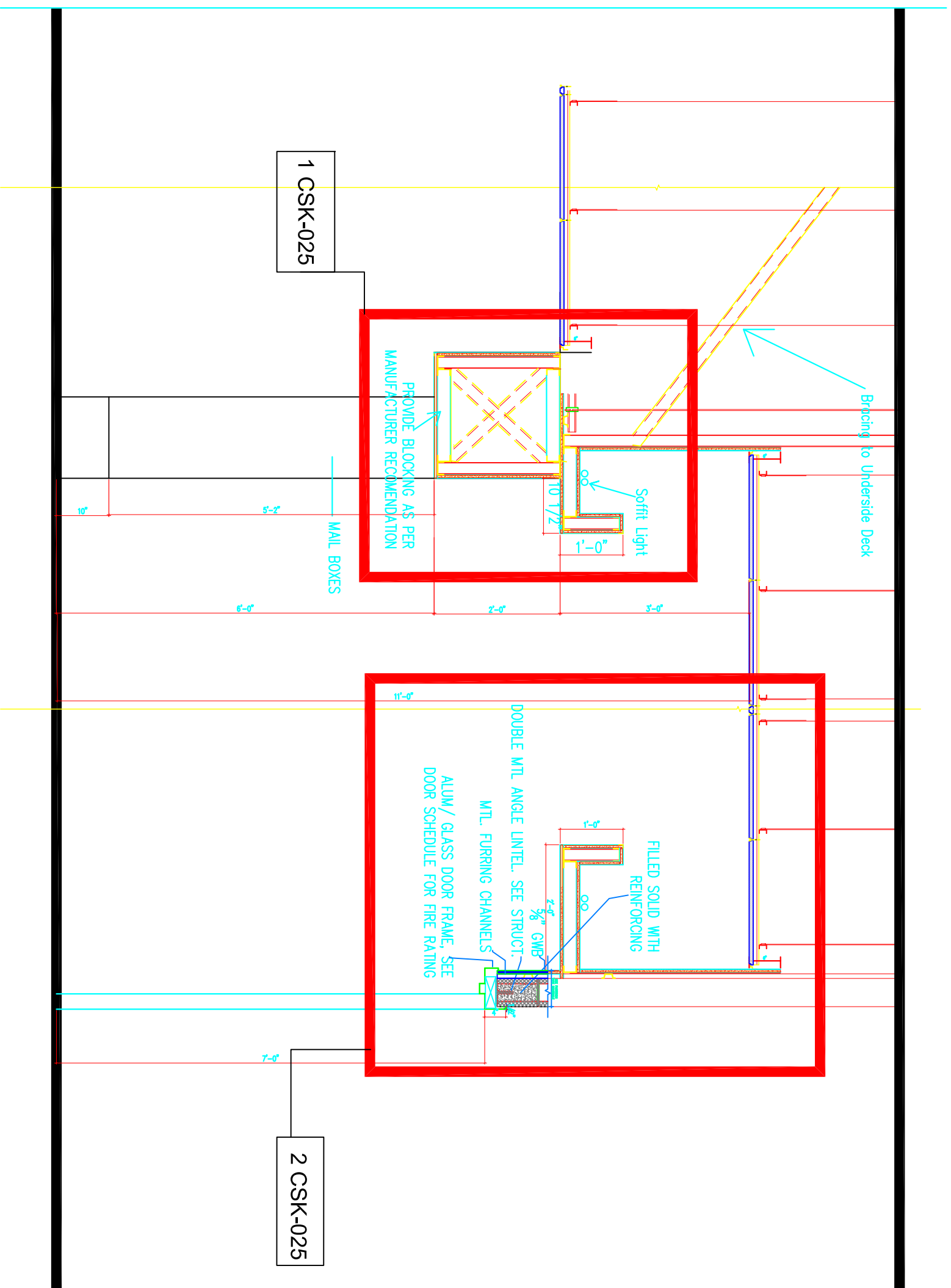
2 Detail at Transaction Counter

Project Name:	Mailroom / Receiving Area Renovation Project
Project Number:	#SU-120814
Location:	Plaza Lower Level - Proposed Mailroom / Post Office / Receiving Area
Scale:	3" = 1'-0"
Date:	11/17/14
File Path:	Z:\I-Projects\Mailroom-Receiving Renovation\Drawings\Transaction Detail



1 Detail at Transaction Counter Head

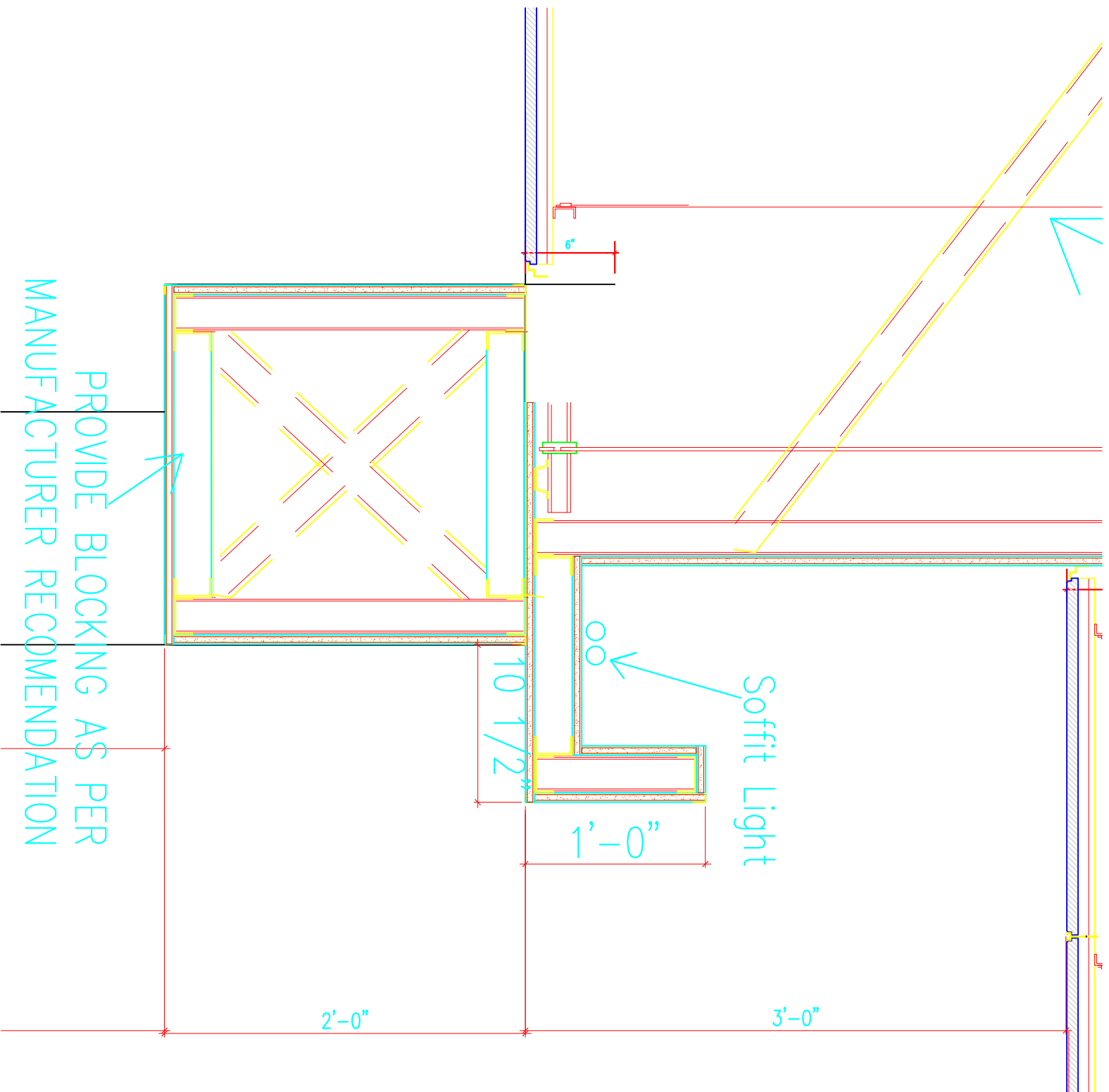
Project Name:	Mailroom / Receiving Area Renovation Project
Project Number:	#SU-120814
Location:	Plaza Lower Level - Proposed Mailroom / Post Office / Receiving Area
Scale:	3" = 1'-0"
Date:	11/17/14
File Path:	Z:\I-Projects\Mailroom-Receiving Renovation\Drawings\Transaction Counter Detail.



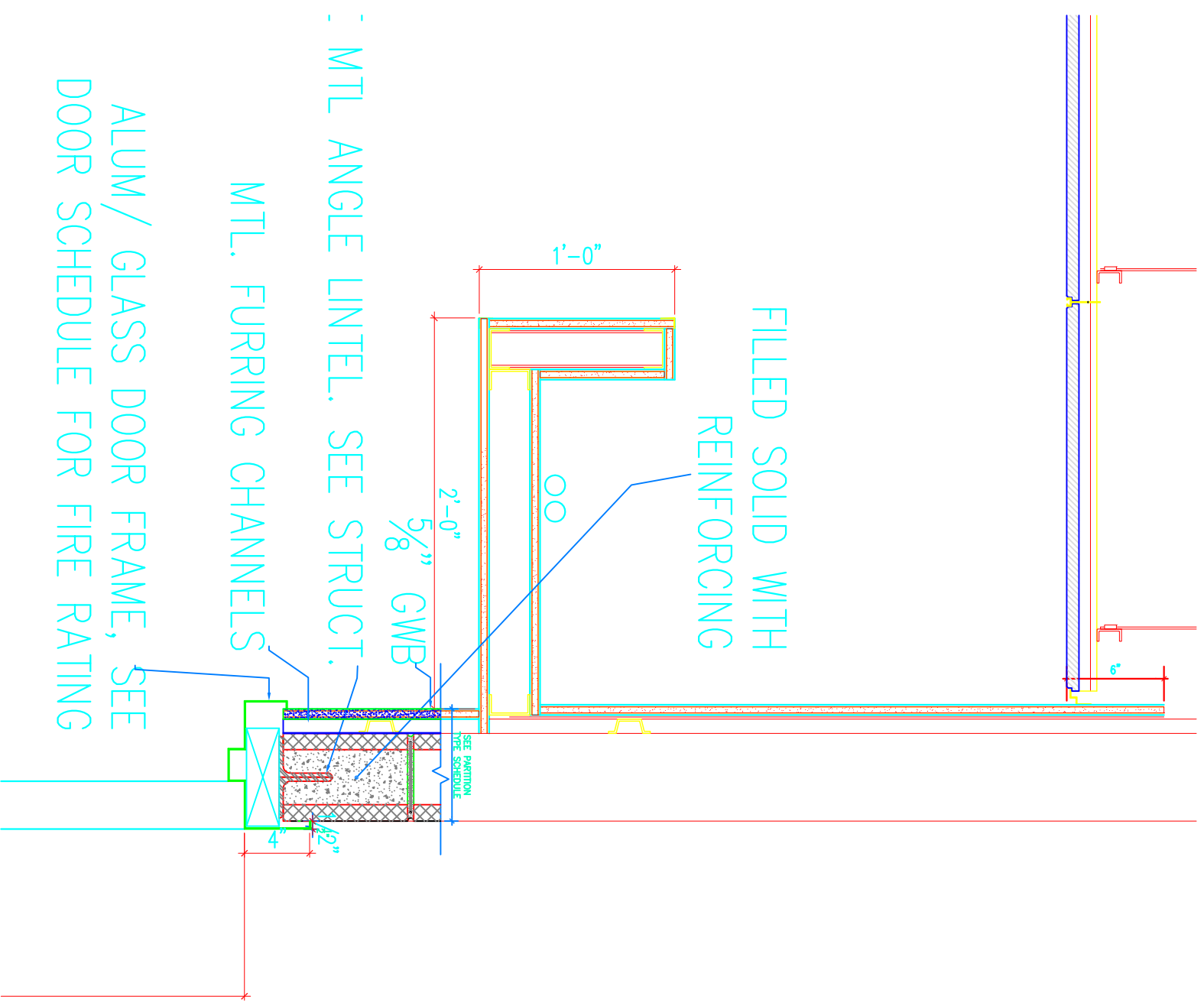
SOFFIT SECTION

1

Project Name: Mailroom / Receiving Area Renovation Project
 Project Number: #SU-120814
 Location: Plaza Lower Level - Proposed Mailroom / Post Office / Receiving Area
 Scale: Not to Scale
 Date: 11/17/14
 File Path: Z:\1-Projects\Mailroom-Receiving Renovation\Drawings\Soffit Section



1 Section



2 Section

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PURCHASE, NY 10577-1400

Project Name: Mailroom / Receiving Area Renovation Project

Project Number: #SU-120814

Location: Plaza Lower Level - Proposed Mailroom / Post Office / Receiving Area / Wall Types

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

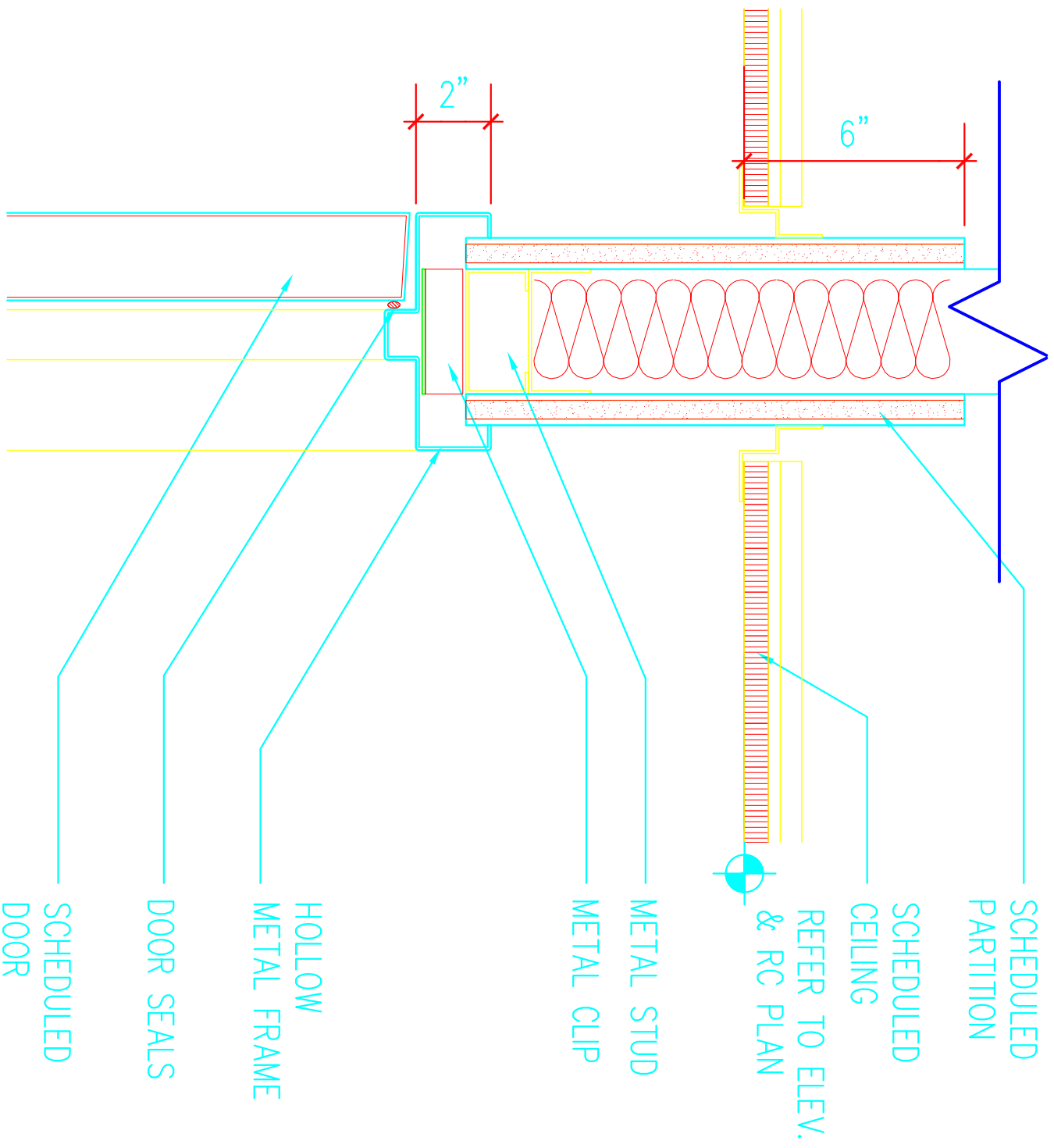
Date: 11/17/14

File Path: Z:\1-Projects\Mailroom-Receiving Renovation\Drawings\Soffit Detail

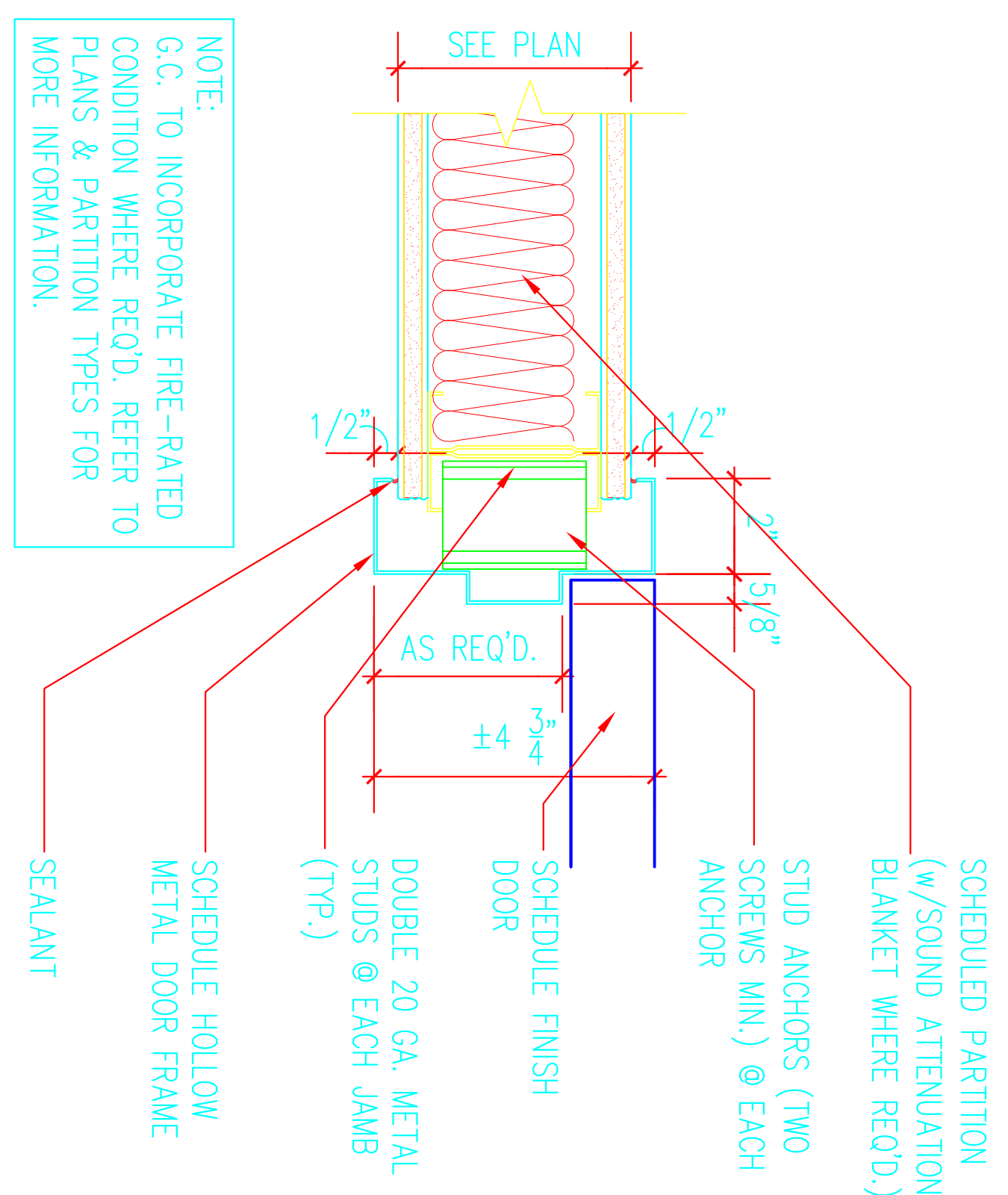
Mailroom-Receiving

Soffit Details

CSK-025

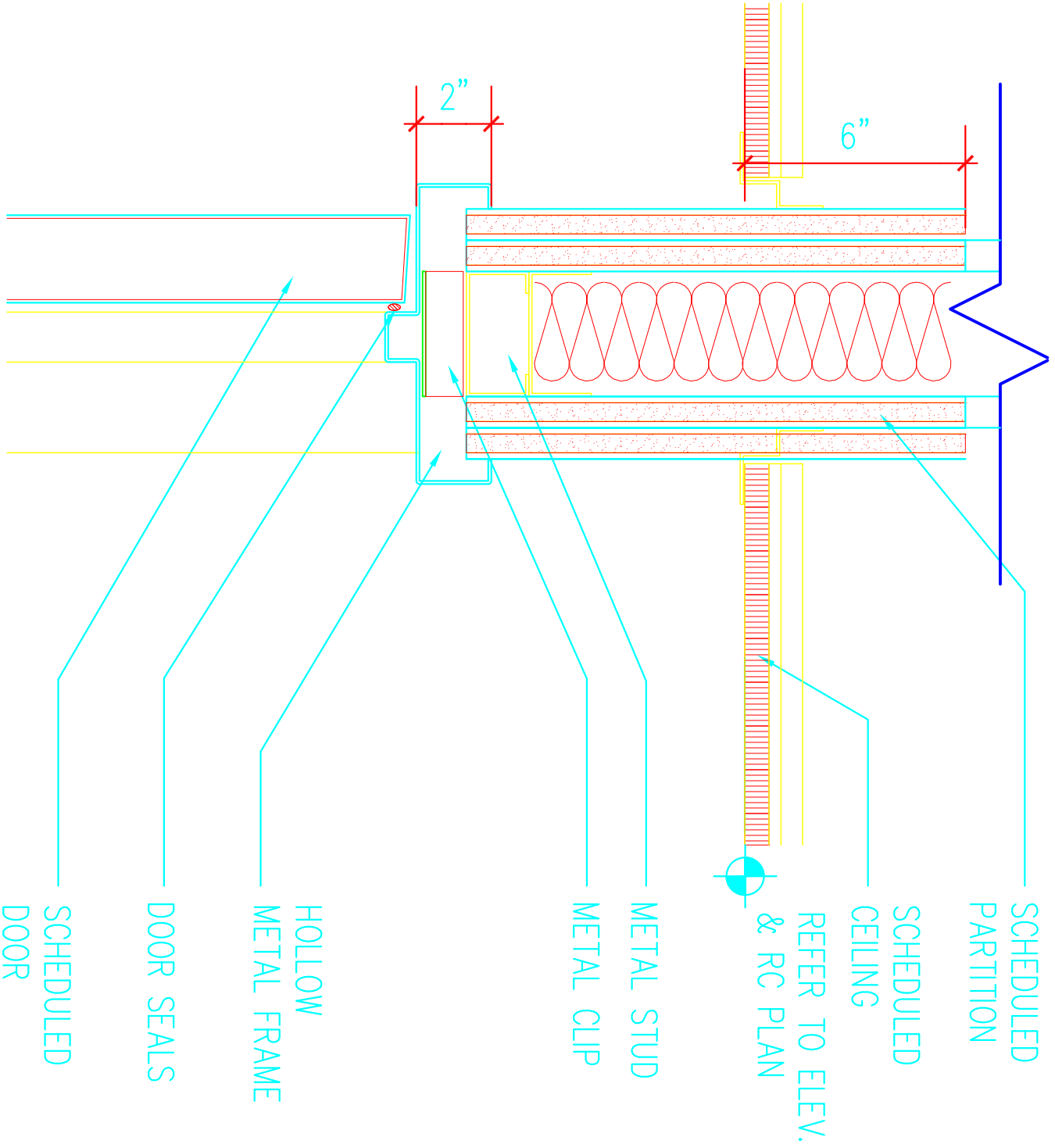


1 Door Type A&A1 - Head Detail

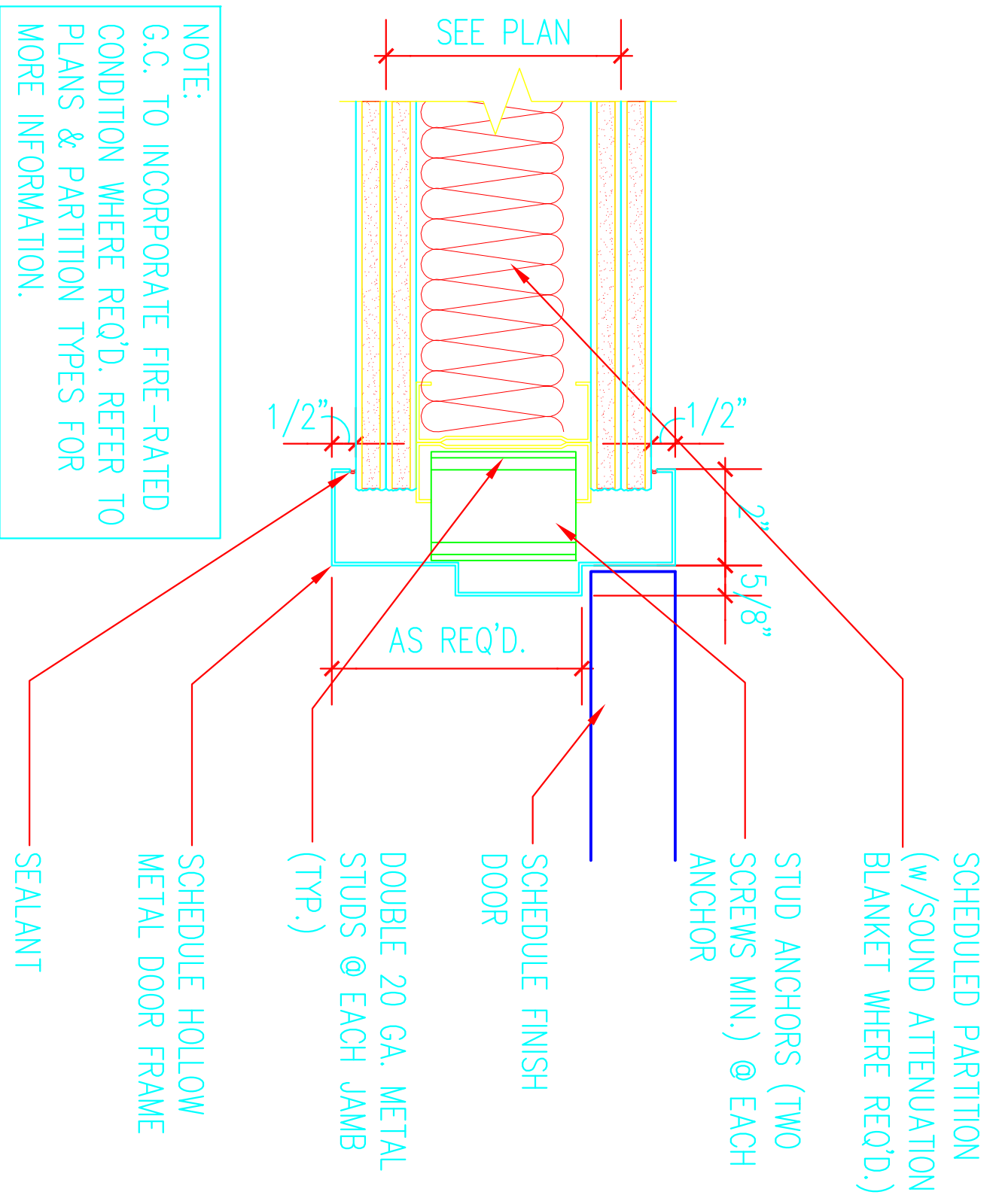


2 Door Type A&A1, - Jamb Detail

Project Name:	Mailroom / Receiving Area Renovation Project
Project Number:	#SU-120814
Location:	Plaza Lower Level - Proposed Mailroom / Post Office / Receiving Area
Scale:	3" = 1'-0"
Date:	11/25/14
File Path:	Z:\1-Projects\Mailroom-Receiving Renovation\Drawings\Door Details.dwg

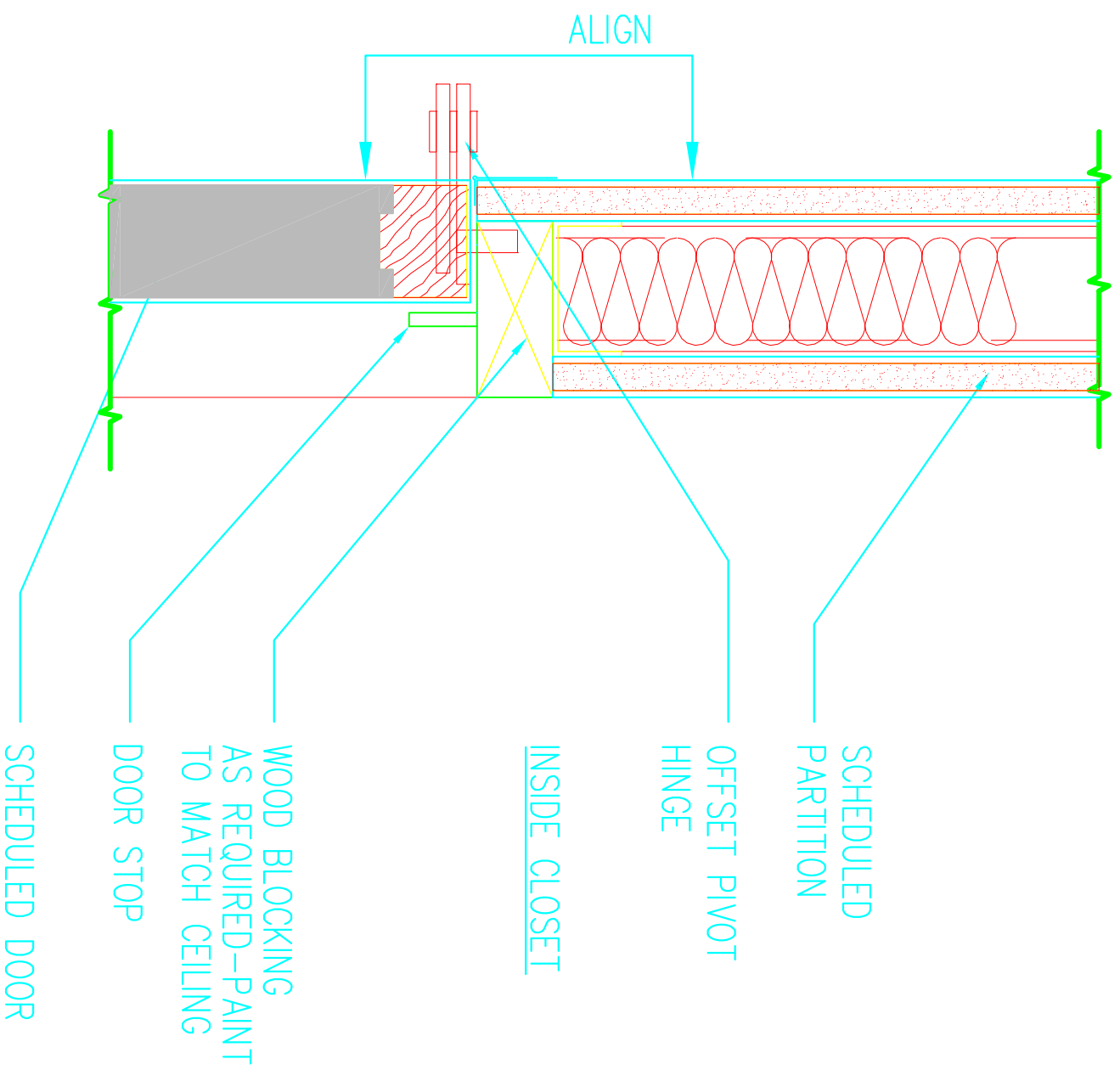


1 Door Type C - Head Detail - Rated Door

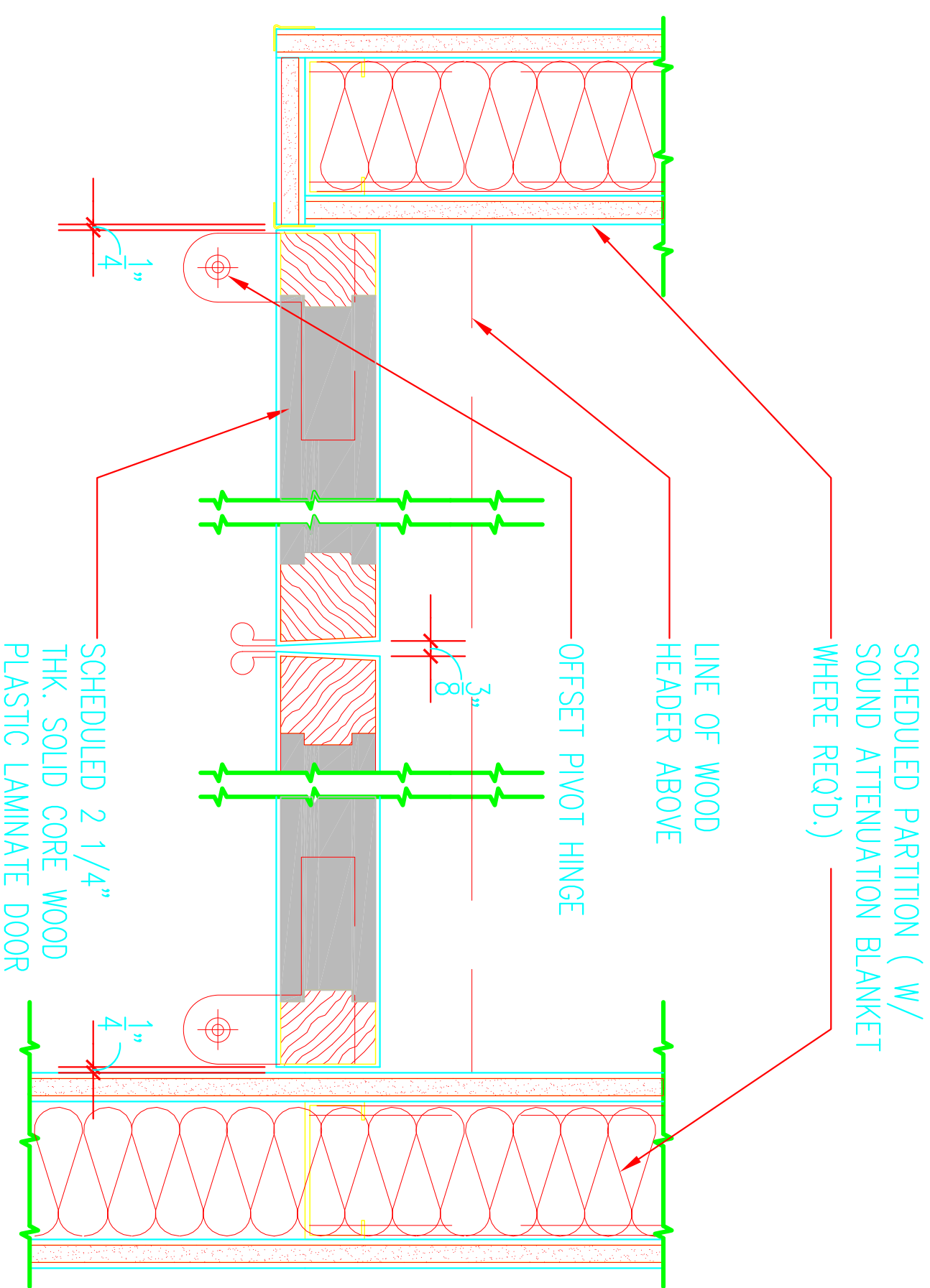


2 Door Type C - Jamb Detail - Rated Door

Project Name: Mailroom / Receiving Area/Project
 Project Number: #SU-120814
 Location: Plaza Lower Level - Proposed Mailroom / Post Office / Receiving Area
 Scale: 3" = 1'-0"
 Date: 12/08/14
 File Path: Z:\I-Projects\Mailroom-Receiving Renovation\Drawings

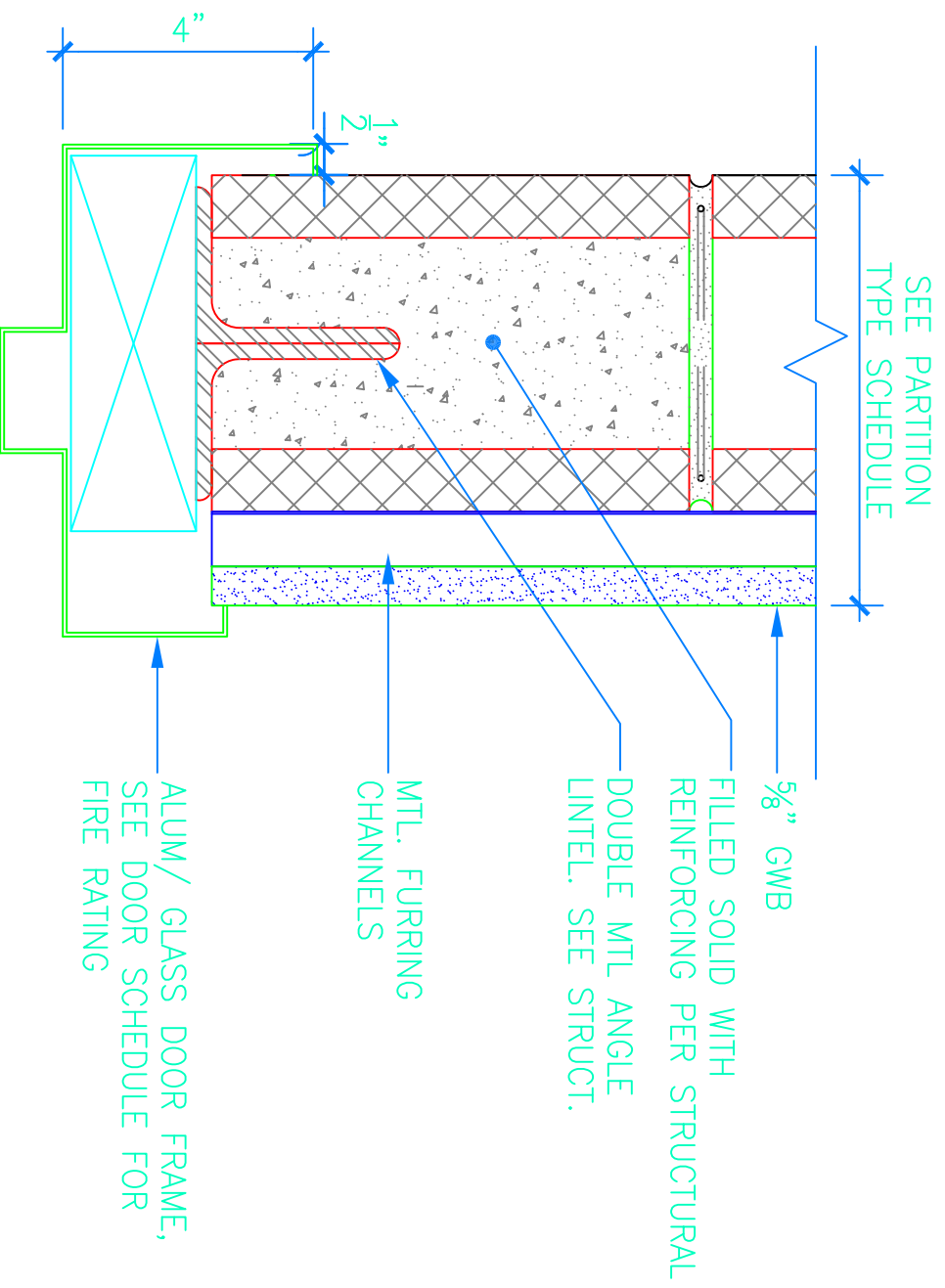


1 Door Type 3 - Head Detail - Coat Closet

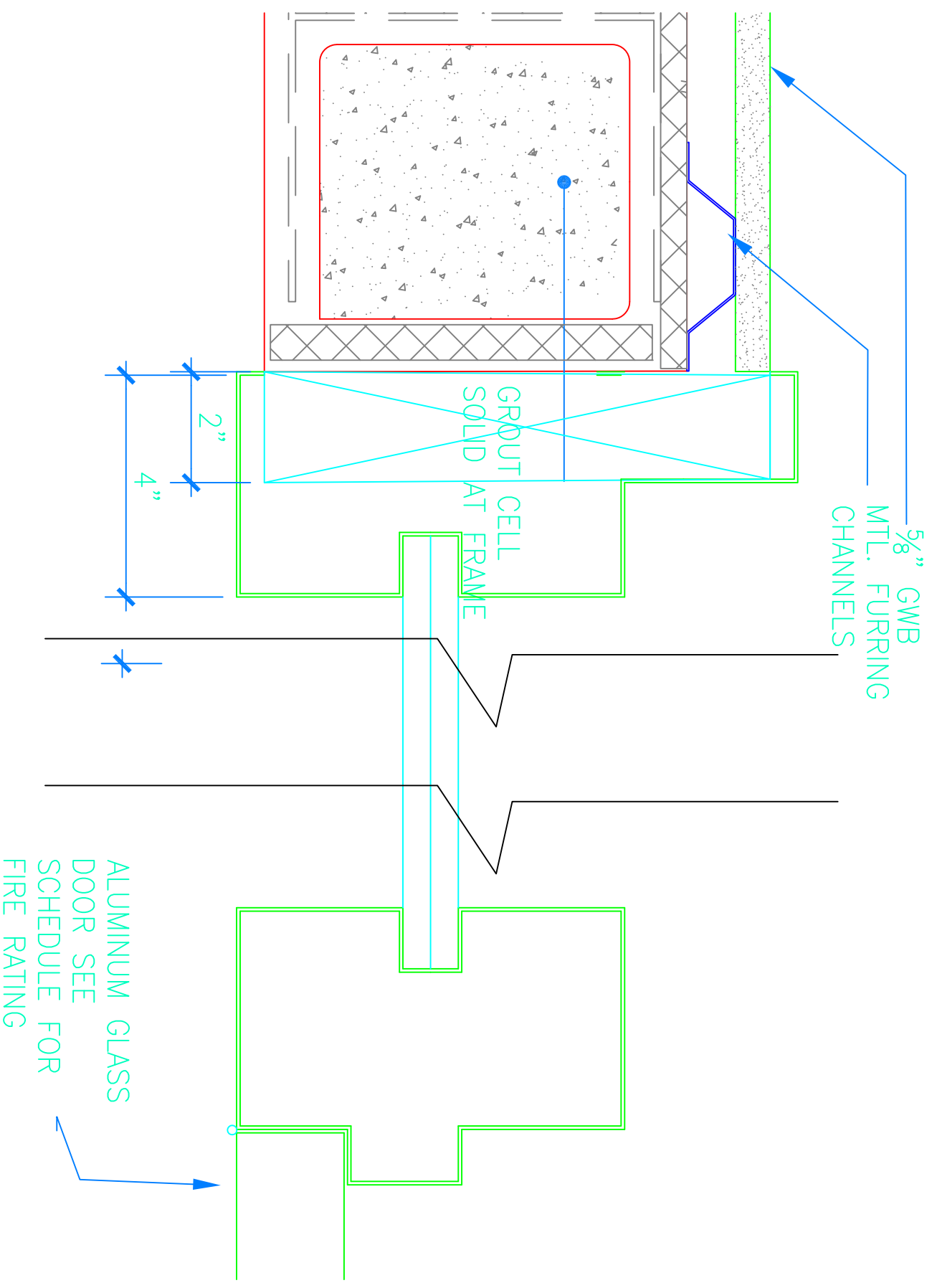


2 Door Type 3 - Jamb Detail - Coat Closet

Project Name: Mailroom / Receiving Area Renovation Project
 Project Number: #SU-120814
 Location: Plaza Lower Level - Proposed Mailroom / Post Office / Receiving Area
 Scale: 3" = 1'-0"
 Date: 12/02/14
 File Path: Z:\1-Projects\Mailroom-Receiving Renovation\Drawings\Door Details.dwg

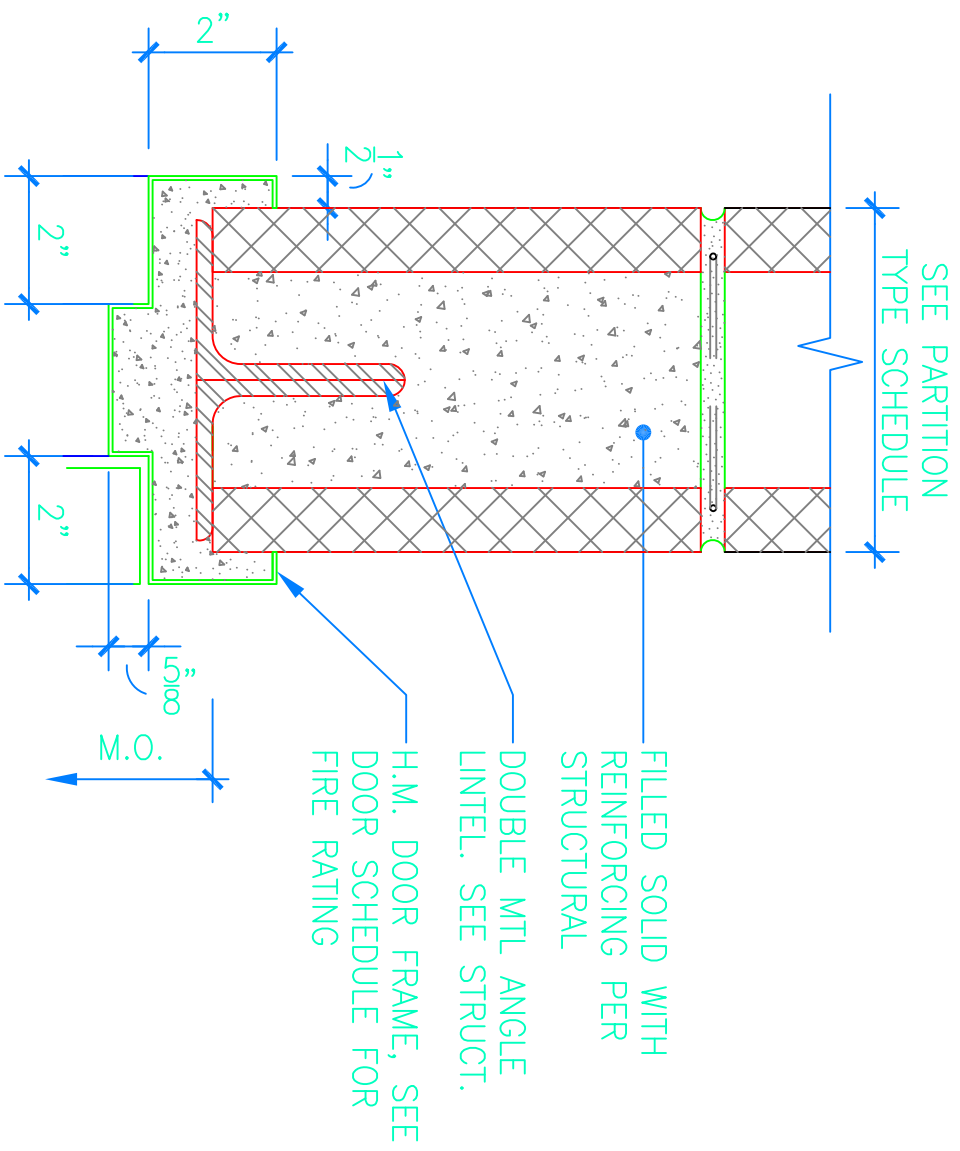


1 Door Type D - Head Detail - CMU Walls

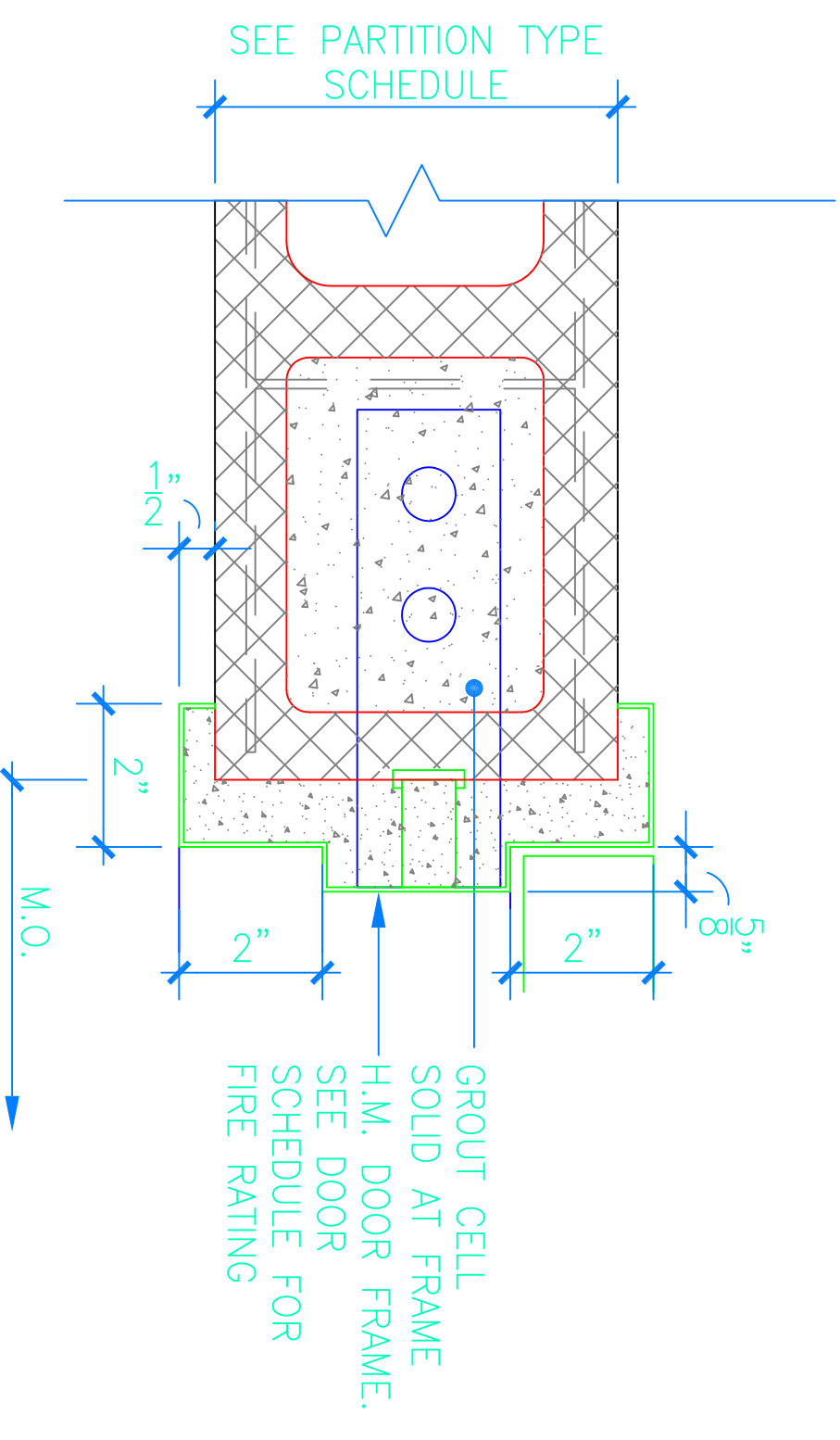


2 Door Type D - Jamb Detail - CMU Walls

Project Name:	Mailroom / Receiving Area Renovation Project
Project Number:	#SU-120814
Location:	Plaza Lower Level - Proposed Mailroom / Post Office / Receiving Area
Scale:	3" = 1'-0"
Date:	12/02/14
File Path:	Z:\1-Projects\Mailroom-Receiving Renovation\Drawings\Door Details.dwg



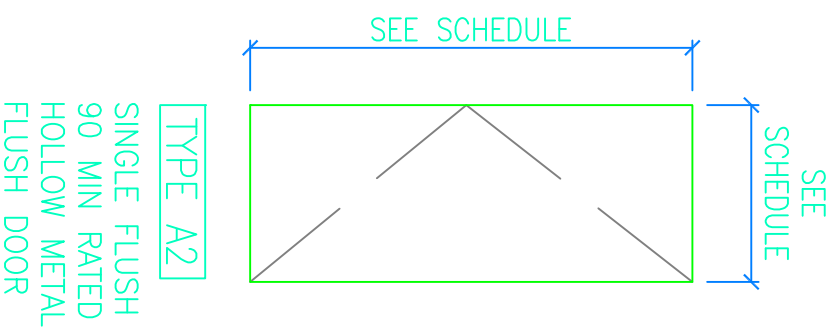
1 Door Type A2 - Head Detail - CMU Walls



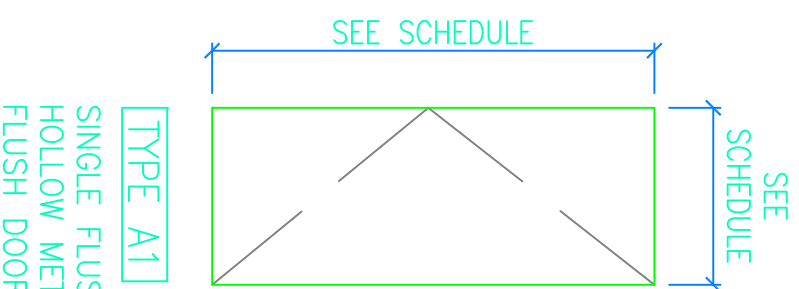
2 Door Type A2 - Jamb Detail - CMU Walls

Project Name:	Mailroom / Receiving Area Renovation Project
Project Number:	#SU-120814
Location:	Plaza Lower Level - Proposed Mailroom / Post Office / Receiving Area
Scale:	3" = 1'-0"
Date:	11/17/14
File Path:	Z:\1-Projects\Mailroom-Receiving Renovation\Drawings\Door Details.dwg

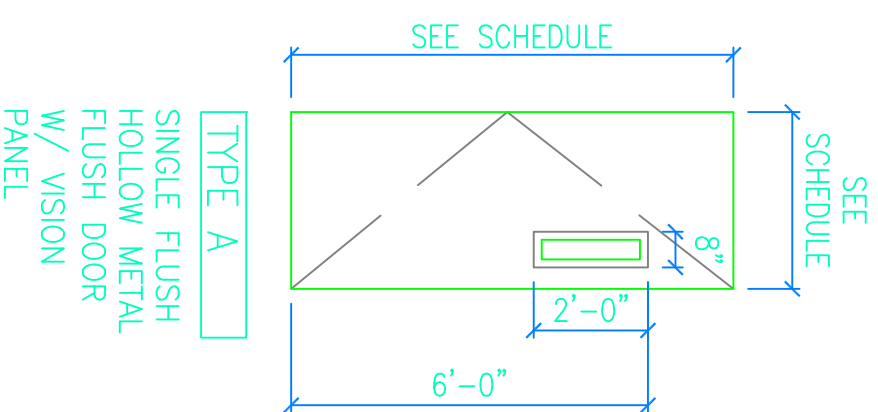
Door Elevations



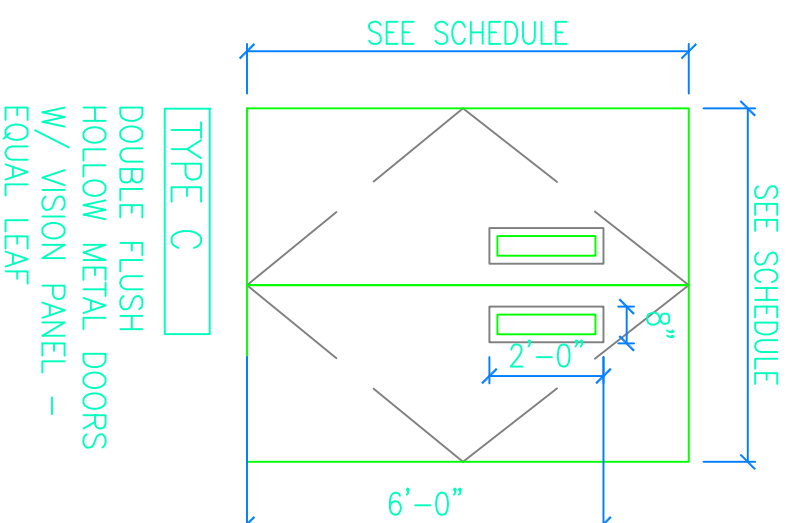
TYPE A2
SINGLE FLUSH
90 MIN RATED
HOLLOW METAL
FLUSH DOOR



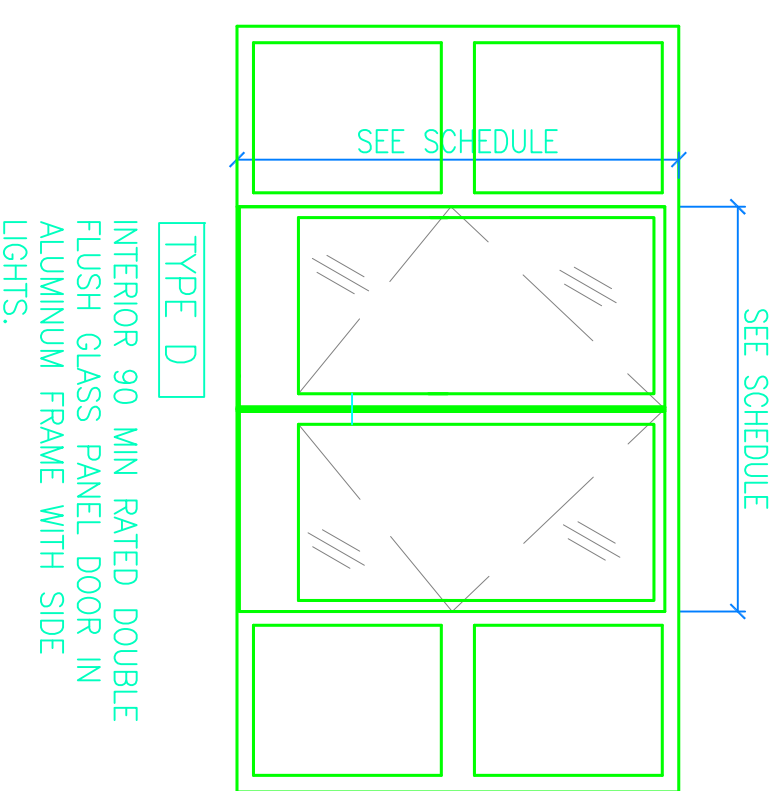
TYPE A1
SINGLE FLUSH
HOLLOW METAL
FLUSH DOOR



TYPE A
SINGLE FLUSH
HOLLOW METAL
FLUSH DOOR
W/ VISION
PANEL



TYPE C
DOUBLE FLUSH
HOLLOW METAL
DOORS
W/ VISION PANEL -
EQUAL LEAF



TYPE D
INTERIOR 90 MIN RATED DOUBLE
FLUSH GLASS PANEL DOOR IN
ALUMINUM FRAME WITH SIDE
LIGHTS.

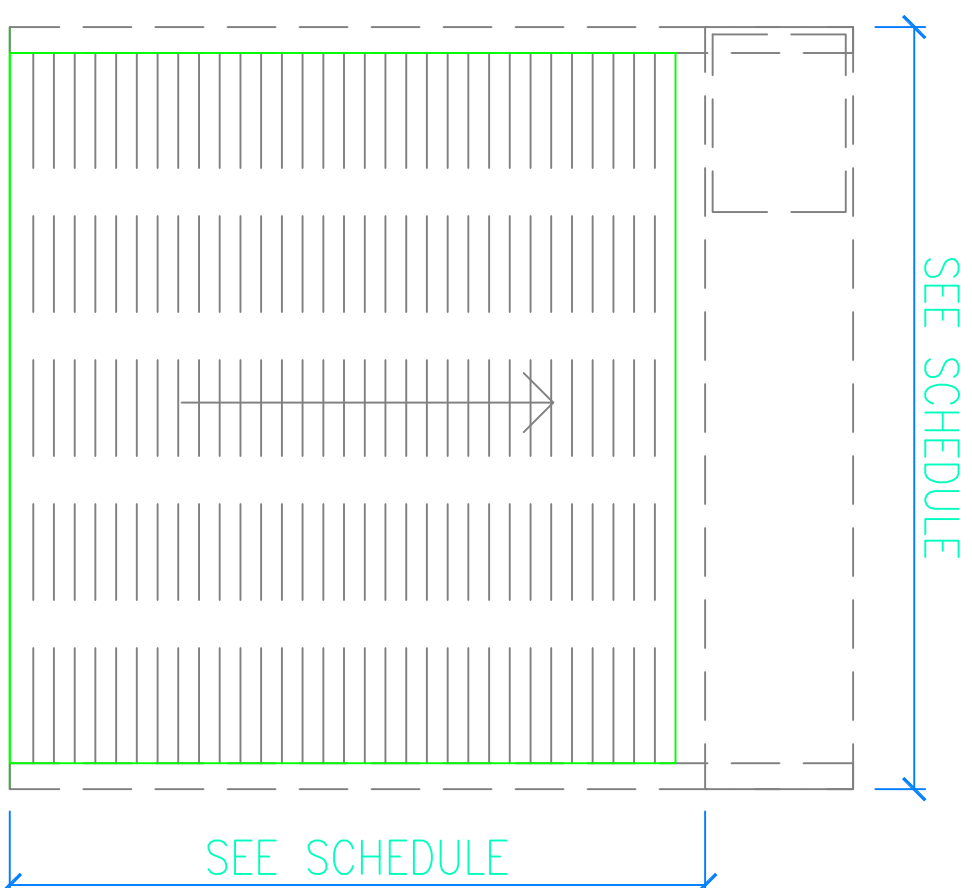
PURCHASE
COLLEGE
STATE UNIVERSITY OF NEW YORK
735 ANDERSON HILL RD.
PURCHASE, NY 10577-1400

Project Name: Mailroom / Receiving Area Renovation Project
Project Number: #SU-120814
Location: Plaza Lower Level - Proposed Mailroom / Post Office / Receiving Area
Scale: Not to scale
Date: 11/17/14
File Path: Z:\1-Projects\Mailroom-Receiving Renovation\Drawings\Door Details.dwg

Mailroom-Receiving
Door Details
CSK-032

Door Elevation

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PURCHASE, NY 10577-1400



TYPE 2

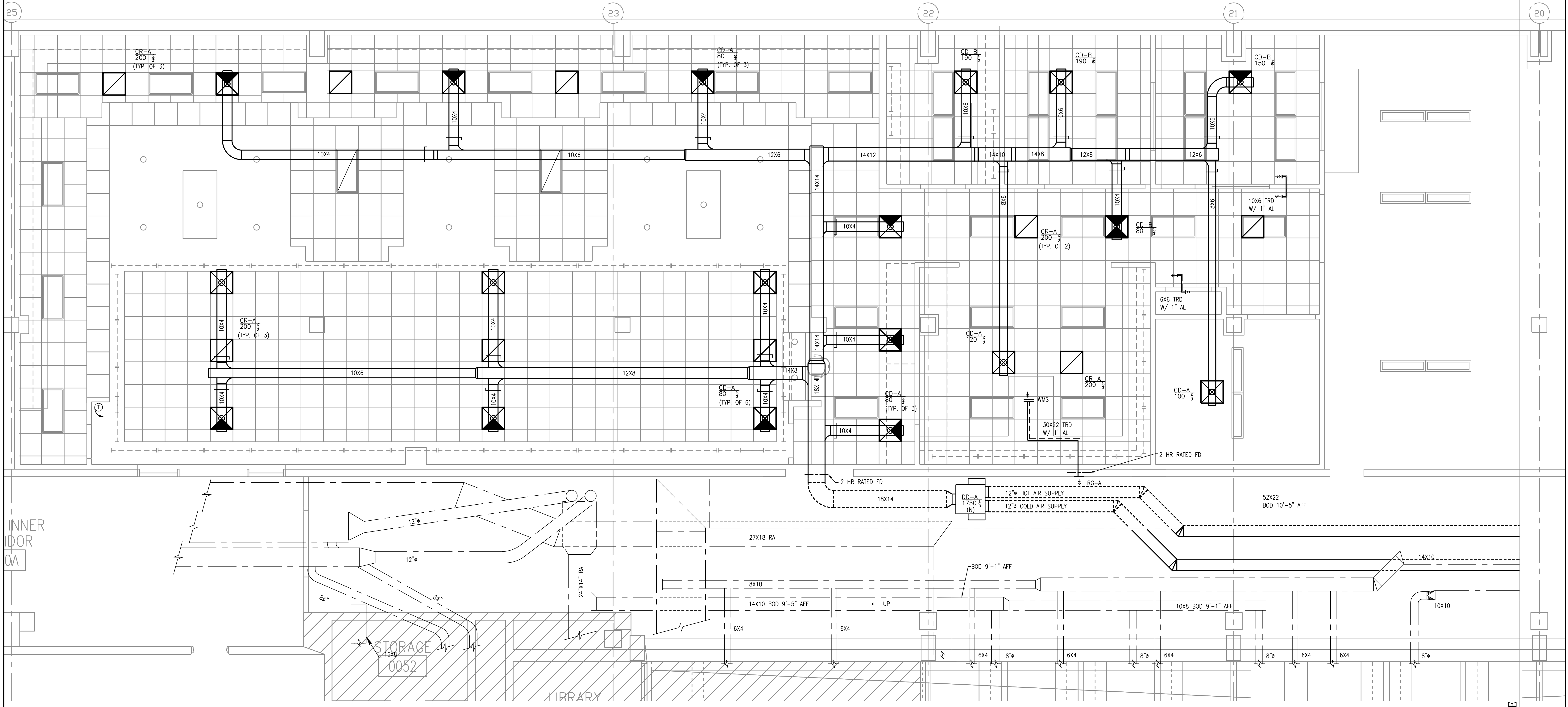
INTERIOR 90MIN RATER
OVERHEAD COILING METAL
DOOR

Project Name: Mailroom / Receiving Area Renovation Project
Project Number: #SU-120814
Location: Plaza Lower Level - Proposed Mailroom / Post Office / Receiving Area
Scale: 3" = 1'-0"
Date: 11/17/14
File Path: Z:\I-Projects\Mailroom-Receiving Renovation\Drawings\Door Details.dwg

Mailroom-Receiving
Door Details
CSK-033

GENERAL NOTES:

- 1. NOT ALL EXISTING DUCTWORK & PIPING IS SHOWN.
- 2. ALL NEW DUCTWORK SHALL BE INSTALLED AS HIGH AS POSSIBLE.
- 3. ALL EXISTING CONDITIONS SHALL BE FIELD VERIFIED.



MECHANICAL WEST CORRIDOR PART PLAN
 SCALE: 1/4" = 1'-0"

INNER
CORRIDOR

MATCHLINE

SYMBOLS LIST

	SINGLE POLE WALL SWITCH RATED AT 20AMP, 120 VOLT. LOWERCASE LETTER INDICATES SWITCHING CONTROL.
	SINGLE POLE SWITCH 2=DOUBLE POLE 3=THREE-WAY 4=FOUR-WAY a=CONTROLLING OUTLET OR FIXTURE "a" D=DIMMER K=KEY OPERATED P=WITH PILOT LIGHT M=MOMENTARY CONTACT
	DUPLEX RECEPTACLE RATED AT 20-AMPS 120 VOLTS. C= IN CEILING F= UNDER RAISED FLOOR EM= EMERGENCY CL= CLEANING AC = ABOVE COUNTER
	GROUND FAULT INTERRUPTED WALL DUPLEX RECEPTACLE RATED AT 20-AMPS 120 VOLTS.
	WALL DOUBLE DUPLEX EACH RECEPTACLE RATED AT 20-AMPS 120 VOLTS. N ONE 4"x4" BOX
	COMBINATION VOICE/DATA OUTLET BOX. PROVIDE (1) 1" EMT CONDUIT FROM OUTLET BOX TO TELEPHONE CLOSET. U.O.N.
	CEILING MOUNTED JUNCTION BOX (J-BOX) WITH HOMERUN CIRCUIT AND FLEXIBLE CONNECTION TO EQUIPMENT.
	WALL MOUNTED JUNCTION BOX (J-BOX) WITH HOMERUN CIRCUIT AND FLEXIBLE CONNECTION TO EQUIPMENT.
	WALL MOUNTED EXIT LIGHTING FIXT: SHADED AREA INDICATES SIGN FACE. ARROW INDICATES DIRECTIONAL ARROW ON SIGN FACE. NEW FIXTURES TO MATCH EXISTING.
	CEILING MOUNTED EXIT LIGHTING FIXT: SHADED AREA INDICATES SIGN FACE. ARROW INDICATES DIRECTIONAL ARROW ON SIGN FACE. NEW FIXTURES TO MATCH EXISTING.
	DUAL TECHNOLOGY CEILING MOUNTED OCCUPANCY SENSOR. LETTER INDICATES MANUAL OVERRIDE SWITCH CONTROLLING SENSOR. MODEL #: GREENGATE OAC-DT-1000
	DUAL TECHNOLOGY WALL MOUNTED OCCUPANCY SENSOR. LETTER INDICATES MANUAL OVERRIDE SWITCH CONTROLLING SENSOR. MODEL #: GREENGATE OAWC-DT-120W
	DUAL TECHNOLOGY CEILING MOUNTED CORRIDOR OCCUPANCY SENSOR. LETTER INDICATES MANUAL OVERRIDE SWITCH CONTROLLING SENSOR. MODEL #: GREENGATE OAC-DT-2000
	BATTERY LIGHT FIXTURE. RM INDICATES EXISTING TO BE REMOVED. NEW FIXTURE TO MATCH EXISTING.

	CONCEALED CONDUIT
	EXPOSED CONDUIT
	CONDUIT UP
	CONDUIT DOWN
	CONDUIT RISING UP AND TERMINATE IN ACCESSABLE HUNG CEILING.
	PULL BOX
	UNFUSED DISCONNECT SWITCH; SWITCH SIZE TO BE GREATER THEN OR EQUAL TO OVER CURRENT PROTECTION. U.O.N.
	CAPPED CONDUIT
	MOTOR
	CEILING MOUNTED SPACE SMOKE DETECTOR
	CIRCUIT BREAKER
	FEEDER DESIGNATION H=480V L=208V A=SWITCHBOARD A I=FEEDER NUMBER ONE
	SECTION A
	COMBINATION SPEAKER STROBE. EX INDICATES EXISTING TO REMAIN. RM INDICATES EXISTING TO BE REMOVED. RL INDICATES RELOCATED DEVICE.
	SMOKE DETECTOR. EX INDICATES EXISTING TO REMAIN. RM INDICATES EXISTING TO BE REMOVED. RL INDICATES RELOCATED DEVICE.
	WATER FLOW SWITCH
	TAMPER SWITCH

ELECTRICAL ABBREVIATIONS

A	AMPERE	HZ	HERTZ
AC	ABOVE COUNTER	JB	JUNCTION BOX
AF	AMPERE FRAME	KV	KILOVOLT
AF	AMPERE FRAME	KVA	KILOVOLT AMPERE
AF	ABOVE FINISHED FLOOR	KW	KILOWATT
ALM	ALARM	KWH	KILOWATT HOUR
AMM	AMMETER	LTG	LIGHTING
ASYM	ASYMMETRICAL	LV	LOW VOLTAGE
AT	AMPERE TRIP	MAX	MAXIMUM
AWG	AMERICAN WIRE GAUGE	MCB	MAIN CIRCUIT BREAKER
BKR	BREAKER	MIN	MINIMUM
C	CONDUIT	MTD	MOUNTED
°C	DEGREE CELSIUS	MTG	MOUNTING
CAB	CABINET	MUFS	MAIN UNFUSED SWITCH
CB	CIRCUIT BREAKER	N	NEUTRAL
CCTV	CLOSED CIRCUIT TELEVISION	NIC	NOT IN CONTRACT
CKT	CIRCUIT	NTS	NOT TO SCALE
CLG	CEILING	PB	PULLBOX
CNL	CONTROL	∅	PHASE
CO	CONDUIT ONLY	PNL	PANEL
COMM	COMMUNICATION	PS	PRESSURE SWITCH
CU	COPPER	PWR	POWER
DEG	DEGREE	RECEPT	RECEPTACLE
DIA	DIAMETER	REQD	REQUIRED
DISC	DISCONNECT	RFL	RAISED FLOOR
DWG	DRAWING	RM	ROOM
E	EMERGENCY	RO	RACEWAY ONLY
EA	EACH	SCHED	SCHEDULE
EC	ELECTRICAL CONTRACTOR	SD	SMOKE DETECTOR
EL	ELEVATION	SECT	SECTION
ELEC	ELECTRICAL	SIG	SIGNAL
EM	EMERGENCY	SN	SOLID NEUTRAL
EOPIT	EQUIPMENT	SPEC	SPECIFICATION
EXIST	EXISTING	SPKR	SPEAKER
EXT	EXTERIOR	SW	SWITCH
°F	DEGREE FAHRENHEIT	SWBD	SWITCHBOARD
FA	FIRE ALARM	SWGR	SWITCHGEAR
FAP	FIRE ALARM PANEL	SYM	SYMMETRICAL
FBO	FURNISHED BY OTHERS	TBD	TO BE DETERMINED
FDR	FEEDER	TEL	TELEPHONE
FDS	FUSED DISCONNECT SWITCH	TEMP	TEMPERATURE
FIXT	FIXTURE	TYP	TYPICAL
FL	FLOOR	UC	UNDER COUNTER
FLEX	FLEXIBLE	UNF	UNFUSED
FLUOR	FLUORESCENT	UNO	UNLESS OTHERWISE NOTED
FT	FEET OR FOOT	V	VOLT OR VOLTAGE
G	GROUND	VA	VOLT AMPERE
GFI	GROUND FAULT INTERRUPTER	VM	VOLTMETER
GND	GROUND	W	WATT
HC	HUNG CEILING	WP	WEATHERPROOF
HP	HORSEPOWER		

ELECTRICAL GENERAL NOTES

- DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. FOLLOW DRAWING IN LAYING OUT WORK AND CHECK DRAWINGS OF OTHER TRADES TO VERIFY SPACE CONDITIONS. MAINTAIN HEADROOM AND SPACE CONDITIONS.
 - SECURE ALL SUPPORTS TO BUILDING STRUCTURE UTILIZING TOGGLE BOLTS (HOLLOW MASONRY), EXPANSION SHIELDS OR INSERTS (CONCRETE AND BRICK), MACHINE SCREWS (METAL), BEAM CLAMPS (FRAMEWORK), WOOD SCREWS (WOOD) OR PAN THRU STRAPS (METAL DECK). NAILS, RAWL PLUGS AND WOOD PLUGS ARE NOT PERMITTED. WHERE REQUIRED BY STRUCTURE, PROVIDE THRU BOLTS AND FISH PLATES. SUPPORT HORIZONTAL RUNS OF METALLIC RACEWAYS NOT MORE THAN 10 FT APART.
 - RACEWAYS SHALL BE ALLOWED TO PASS OVER WATER, STEAM OR OTHER PIPING WHEN PULL BOXES ARE NOT REQUIRED. NO RACEWAY SHALL BE ROUTED WITHIN 3 INCHES OF STEAM OR HOT WATER PIPES, OR APPLIANCES, EXCEPT PERPENDICULAR CROSSINGS WHERE RACEWAY SHALL BE A MINIMUM OF 1 INCH FROM PIPE COVER.
 - CUT CONDUIT ENDS SQUARE, REAM SMOOTH. PAINT MALE THREADS OF FIELD THREADED RACEWAYS WITH GRAPHITE BASE PIPE COMPOUND. DRAW UP TIGHT WITH RACEWAY COUPLING.
 - HORIZONTAL OR CROSS RUNS IN PARTITIONS AND WALLS ARE NOT PERMITTED. DO NOT RUN CONDUIT IN 2 INCH SLAB.
 - LEAVE WIRES WITH SUFFICIENT SLACK TO PERMIT MAKING FINAL CONNECTIONS. PROVIDE FISH WIRE FOR ALL EMPTY CONDUITS.
 - SET BOXES SQUARE AND TRUE WITH BUILDING FINISH. ERECT WALL AND SWITCH OUTLETS IN ADVANCE OF FURRING AND FIREPROOFING. SECURE TO BUILDING STRUCTURE BY ADJUSTABLE STRAP IRONS.
 - VERIFY LOCATIONS OF OUTLETS AND SWITCHES IN FINISHED ROOMS WITH ARCHITECTURAL DRAWINGS OF INTERIOR DETAILS AND FINISH. IN CENTERING OUTLETS AND LOCATING BOXES AND OUTLETS, ALLOW FOR OVERHEAD PIPES, DUCTS AND MECHANICAL EQUIPMENT. VARIATIONS IN FIREPROOFING AND PLASTERING, WINDOW AND DOOR TRIM, PANELING, HUNG CEILINGS AND THE LIKE. CORRECT ANY INACCURACY RESULTING FROM FAILURE TO DO SO WITHOUT EXPENSE TO OWNER.
 - LOCATIONS INDICATED FOR LOCAL WALL SWITCHES ARE SUBJECT TO MODIFICATIONS AT OR NEAR DOORS. COORDINATE WITH ARCHITECT AND INSTALL SWITCH ON SIDE OPPOSITE HINGE. VERIFY FINAL HINGE LOCATIONS IN FIELD PRIOR TO SWITCH OUTLET INSTALLATION.
 - COVERS OF JUNCTION AND PULLBOXES SHALL BE READILY ACCESSIBLE.
 - PROVIDE PULLBOXES AS INDICATED, REQUIRED BY CODE AND WHEREVER NECESSARY TO FACILITATE PULLING OF WIRE. COORDINATE PULLBOX LOCATIONS WITH OTHER TRADES.
 - JUNCTION AND PULL BOXES SHOULD NOT BE LOCATED EXPOSED IN FINISHED SPACES. WHERE NECESSARY, REROUTE RACEWAYS OR MAKE OTHER ARRANGEMENTS FOR CONCEALMENT.
 - SEE APPENDIX FOR IT SPECIFICATIONS.
- SUPPORT PANEL, JUNCTION AND PULL BOXES INDEPENDENTLY TO BUILDING STRUCTURE WITH NO WEIGHT BEARING ON RACEWAYS.
 - ALL ACCESS DOOR LOCATIONS SHALL BE REVIEWED BY ARCHITECT PRIOR TO INSTALLATION.
 - DO NOT PULL THERMOPLASTIC WIRES AT TEMPERATURES LOWER THAN 32°F (0°C) PROVIDE CABLE SUPPORTS FOR WIRE IN RISER CONDUITS AS REQUIRED BY CODE.
 - SEPARATE RACEWAYS FOR CONDUCTORS OF NORMAL AND EMERGENCY CIRCUITS. BOXES: PROVIDE BARRIERS BETWEEN EMERGENCY AND NORMAL WIRING.
 - HEIGHTS OF OUTLETS FROM FINISHED FLOOR TO CENTERLINE OF OUTLET:
RECEPTACLES AND TELEPHONES:
GENERALLY 1'-0"
OVER WORK BENCHES 3'-6"
WALL SWITCHES 4'-0"
STROBES 8'-0"
EXCEPTIONS: AT JUNCTION OF DIFFERENT WALL FINISH MATERIALS; ON MOLDING OR BREAK IN WALL SURFACE; IN VIOLATION OF CODE REQUIREMENTS; AS NOTED OR DIRECTED.
 - WIRE COLOR CODING: AS PER CODE. WHERE COLOR-CODED CABLE IS NOT AVAILABLE, CERTIFY IN WRITING AND REQUEST PERMISSION FOR OVERLAP COLOR TAPING OF CONDUCTORS (MINIMUM LENGTH 6") IN ACCESSIBLE LOCATIONS. COLOR CODING, ONCE SELECTED, MUST BE USED CONSISTENTLY FOR THE ENTIRE PROJECT.
 - INSTALL NEW WORK AND CONNECT TO EXISTING WORK WITH MINIMUM INTERFERENCE TO EXISTING FACILITIES. TEMPORARY SHUTDOWNS: ONLY WITH WRITTEN CONSENT OF OWNER. MAINTAIN CONTINUOUS OPERATION OF EXISTING FACILITIES. ALARM AND EMERGENCY SYSTEMS ARE NOT TO BE INTERRUPTED.
 - ALL LIGHT FIXTURES AND INSTRUMENTS THAT ARE REMOVED SHOULD BE CAREFULLY STORED FOR FUTURE USE. COORDINATE REMOVAL AND STORAGE OF ALL EQUIPMENT WITH BUILDING MANAGEMENT.
 - RUN EXPOSED RACEWAYS PARALLEL WITH OR AT RIGHT ANGLES TO WALLS.
 - FIRESTOPPING SHALL BE INSTALLED WHENEVER WIRING OR RACEWAYS CROSS FIRE RATED CONSTRUCTION.
 - POWER INTERRUPTIONS AND CORE DRILLING ONLY PERMITTED BETWEEN THE HOURS OF 6 PM AND 8 AM. AS APPROVED BY BUILDING MANAGER.
 - DO NOT SWITCH POWER TO BATTERY BALLAST FOR EMERGENCY FIXTURES SHOWN SWITCH CONTROLLED.
 - COORDINATE ALL EXPOSED CONDUIT RUNS WITH ARCHITECT PRIOR TO EXPOSED CONDUIT INSTALLATION.
 - FOR NEW ELECTRICAL PANEL, THE CONTRACTOR SHALL PROVIDE A TYPE WRITTEN DIRECTORY CARD TO REFLECT NEW CIRCUITING.
 - UPON COMPLETION OF THE WORK, A MARKED UP SET OF "AS-BUILT" DRAWINGS SHALL BE SUBMITTED TO THE BUILDING MANAGER AND TENANT.

ELECTRICAL DRAWING LIST	
E-001	SYMBOL LIST, ABBREVIATIONS, & GENERAL NOTES
E-100	ELECTRICAL DEMOLITION PLAN
E-101	FIRE ALARM PLAN
E-102	ELECTRICAL POWER PLAN
E-200	ELECTRICAL LIGHTING PLAN
E-300	ELECTRICAL SPECIFICATIONS

PLUMBING SYMBOLS & ABBREVIATIONS

(NOT ALL SYMBOLS & ABBREVIATIONS ARE NECESSARILY USED ON THIS PROJECT)

	EXISTING PIPING		SANITARY STACK
	EXISTING PIPING TO BE REMOVED		WATER RISERS
	DOMESTIC COLD WATER PIPING		STORM LEADERS
	DOMESTIC HOT WATER PIPING		GAS RISERS
	DOMESTIC HOT WATER RETURN PIPING		AREA DRAIN
	VENT PIPING (SANITARY)		ABOVE FINISHED FLOOR BUILDING
	SOIL/WASTE/SANITARY PIPING		BACKFLOW PREVENTER
	GREASE INTERCEPTOR PIPING		BOTTOM OF PIPE CEILING
	BURIED PIPING		CLEAN OUT
	HEAT TRACED PIPING		CLEAN OUT DECK PLATE
	CLEAN OUT/PLUGGED OUTLET		CONTINUED PIPING
	CAPPED OUTLET		PIPE DOWN/DROP
	CONTINUED PIPING		PIPE UP/RAISE
	PIPE DOWN/DROP		BOTTOM PIPE CONNECTION
	PIPE UP/RAISE		TOP PIPE CONNECTION
	BOTTOM PIPE CONNECTION		P-TRAP
	TOP PIPE CONNECTION		SLOPED CHANGE IN PIPE ELEVATION
	P-TRAP		CLEAN OUT WALL PLATE (COWP)
	AREA DRAIN		CLEAN OUT DECK PLATE (COWP)
	ABOVE FINISHED FLOOR BUILDING		RUNNING TRAP
	BACKFLOW PREVENTER		HOSE BIB
	BOTTOM OF PIPE CEILING		VACUUM BREAKER
	CLEAN OUT		DRAIN
	CLEAN OUT DECK PLATE		P-TRAP
	CONTINUED PIPING		DISCONNECT FROM EXISTING
	PIPE DOWN/DROP		CONNECT TO EXISTING
	PIPE UP/RAISE		BALL VALVE
	BOTTOM PIPE CONNECTION		CHECK VALVE
	TOP PIPE CONNECTION		VALVE
	P-TRAP		MIXING VALVE
	AREA DRAIN		SOLENOID VALVE
	ABOVE FINISHED FLOOR BUILDING		ANGLE RELIEF VALVE
	BACKFLOW PREVENTER		RELIEF VALVE
	BOTTOM OF PIPE CEILING		PLUG VALVE
	CLEAN OUT		FRESH AIR INLET
	CLEAN OUT DECK PLATE		PRESSURE GAUGE & COCK
	CONTINUED PIPING		PUMP
	PIPE DOWN/DROP		REDUCER
	PIPE UP/RAISE		SLEEVE
	BOTTOM PIPE CONNECTION		THERMOMETER
	TOP PIPE CONNECTION		UNION
	P-TRAP		WATERPROOF SLEEVE
	AREA DRAIN		
	ABOVE FINISHED FLOOR BUILDING		
	BACKFLOW PREVENTER		
	BOTTOM OF PIPE CEILING		
	CLEAN OUT		
	CLEAN OUT DECK PLATE		
	CONTINUED PIPING		
	PIPE DOWN/DROP		
	PIPE UP/RAISE		
	BOTTOM PIPE CONNECTION		
	TOP PIPE CONNECTION		
	P-TRAP		
	AREA DRAIN		
	ABOVE FINISHED FLOOR BUILDING		
	BACKFLOW PREVENTER		
	BOTTOM OF PIPE CEILING		
	CLEAN OUT		
	CLEAN OUT DECK PLATE		
	CONTINUED PIPING		
	PIPE DOWN/DROP		
	PIPE UP/RAISE		
	BOTTOM PIPE CONNECTION		
	TOP PIPE CONNECTION		
	P-TRAP		
	AREA DRAIN		
	ABOVE FINISHED FLOOR BUILDING		
	BACKFLOW PREVENTER		
	BOTTOM OF PIPE CEILING		
	CLEAN OUT		
	CLEAN OUT DECK PLATE		
	CONTINUED PIPING		
	PIPE DOWN/DROP		
	PIPE UP/RAISE		
	BOTTOM PIPE CONNECTION		
	TOP PIPE CONNECTION		
	P-TRAP		
	AREA DRAIN		
	ABOVE FINISHED FLOOR BUILDING		
	BACKFLOW PREVENTER		
	BOTTOM OF PIPE CEILING		
	CLEAN OUT		
	CLEAN OUT DECK PLATE		
	CONTINUED PIPING		
	PIPE DOWN/DROP		
	PIPE UP/RAISE		
	BOTTOM PIPE CONNECTION		
	TOP PIPE CONNECTION		
	P-TRAP		
	AREA DRAIN		
	ABOVE FINISHED FLOOR BUILDING		
	BACKFLOW PREVENTER		
	BOTTOM OF PIPE CEILING		
	CLEAN OUT		
	CLEAN OUT DECK PLATE		
	CONTINUED PIPING		
	PIPE DOWN/DROP		
	PIPE UP/RAISE		
	BOTTOM PIPE CONNECTION		
	TOP PIPE CONNECTION		
	P-TRAP		
	AREA DRAIN		
	ABOVE FINISHED FLOOR BUILDING		
	BACKFLOW PREVENTER		
	BOTTOM OF PIPE CEILING		
	CLEAN OUT		
	CLEAN OUT DECK PLATE		
	CONTINUED PIPING		
	PIPE DOWN/DROP		
	PIPE UP/RAISE		
	BOTTOM PIPE CONNECTION		
	TOP PIPE CONNECTION		
	P-TRAP		
	AREA DRAIN		
	ABOVE FINISHED FLOOR BUILDING		
	BACKFLOW PREVENTER		
	BOTTOM OF PIPE CEILING		
	CLEAN OUT		
	CLEAN OUT DECK PLATE		
	CONTINUED PIPING		
	PIPE DOWN/DROP		
	PIPE UP/RAISE		
	BOTTOM PIPE CONNECTION		
	TOP PIPE CONNECTION		
	P-TRAP		
	AREA DRAIN		
	ABOVE FINISHED FLOOR BUILDING		
	BACKFLOW PREVENTER		
	BOTTOM OF PIPE CEILING		
	CLEAN OUT		
	CLEAN OUT DECK PLATE		
	CONTINUED PIPING		
	PIPE DOWN/DROP		
	PIPE UP/RAISE		
	BOTTOM PIPE CONNECTION		
	TOP PIPE CONNECTION		
	P-TRAP		
	AREA DRAIN		
	ABOVE FINISHED FLOOR BUILDING		
	BACKFLOW PREVENTER		
	BOTTOM OF PIPE CEILING		
	CLEAN OUT		
	CLEAN OUT DECK PLATE		
	CONTINUED PIPING		
	PIPE DOWN/DROP		
	PIPE UP/RAISE		
	BOTTOM PIPE CONNECTION		
	TOP PIPE CONNECTION		
	P-TRAP		
	AREA DRAIN		
	ABOVE FINISHED FLOOR BUILDING		
	BACKFLOW PREVENTER		
	BOTTOM OF PIPE CEILING		
	CLEAN OUT		
	CLEAN OUT DECK PLATE		
	CONTINUED PIPING		
	PIPE DOWN/DROP		
	PIPE UP/RAISE		
	BOTTOM PIPE CONNECTION		
	TOP PIPE CONNECTION		
	P-TRAP		
	AREA DRAIN		
	ABOVE FINISHED FLOOR BUILDING		
	BACKFLOW PREVENTER		
	BOTTOM OF PIPE CEILING		
	CLEAN OUT		
	CLEAN OUT DECK PLATE		
	CONTINUED PIPING		
	PIPE DOWN/DROP		
	PIPE UP/RAISE		
	BOTTOM PIPE CONNECTION		
	TOP PIPE CONNECTION		
	P-TRAP		
	AREA DRAIN		
	ABOVE FINISHED FLOOR BUILDING		
	BACKFLOW PREVENTER		
	BOTTOM OF PIPE CEILING		
	CLEAN OUT		
	CLEAN OUT DECK PLATE		
	CONTINUED PIPING		
	PIPE DOWN/DROP		
	PIPE UP/RAISE		
	BOTTOM PIPE CONNECTION		
	TOP PIPE CONNECTION		
	P-TRAP		
	AREA DRAIN		
	ABOVE FINISHED FLOOR BUILDING		
	BACKFLOW PREVENTER		
	BOTTOM OF PIPE CEILING		
	CLEAN OUT		
	CLEAN OUT DECK PLATE		
	CONTINUED PIPING		
	PIPE DOWN/DROP		
	PIPE UP/RAISE		
	BOTTOM PIPE CONNECTION		
	TOP PIPE CONNECTION		
	P-TRAP		
	AREA DRAIN		
	ABOVE FINISHED FLOOR BUILDING		
	BACKFLOW PREVENTER		
	BOTTOM OF PIPE CEILING		
	CLEAN OUT		
	CLEAN OUT DECK PLATE		
	CONTINUED PIPING		
	PIPE DOWN/DROP		
	PIPE UP/RAISE		
	BOTTOM PIPE CONNECTION		
	TOP PIPE CONNECTION		
	P-TRAP		
	AREA DRAIN		
	ABOVE FINISHED FLOOR BUILDING		
	BACKFLOW PREVENTER		
	BOTTOM OF PIPE CEILING		
	CLEAN OUT		
	CLEAN OUT DECK PLATE		
	CONTINUED PIPING		
	PIPE DOWN/DROP		
	PIPE UP/RAISE		
	BOTTOM PIPE CONNECTION		
	TOP PIPE CONNECTION		
	P-TRAP		
	AREA DRAIN		
	ABOVE FINISHED FLOOR BUILDING		
	BACKFLOW PREVENTER		
	BOTTOM OF PIPE CEILING		
	CLEAN OUT		
	CLEAN OUT DECK PLATE		
	CONTINUED PIPING		
	PIPE DOWN/DROP		
	PIPE UP/RAISE		
	BOTTOM PIPE CONNECTION		
	TOP PIPE CONNECTION		
	P-TRAP		
	AREA DRAIN		
	ABOVE FINISHED FLOOR BUILDING		
	BACKFLOW PREVENTER		
	BOTTOM OF PIPE CEILING		
	CLEAN OUT		
	CLEAN OUT DECK PLATE		
	CONTINUED PIPING		
	PIPE DOWN/DROP		
	PIPE UP/RAISE		
	BOTTOM PIPE CONNECTION		
	TOP PIPE CONNECTION		
	P-TRAP		
	AREA DRAIN		
	ABOVE FINISHED FLOOR BUILDING		
	BACKFLOW PREVENTER		
	BOTTOM OF PIPE CEILING		
	CLEAN OUT		
	CLEAN OUT DECK PLATE		
	CONTINUED PIPING		
	PIPE DOWN/DROP		
	PIPE UP/RAISE		
	BOTTOM PIPE CONNECTION		
	TOP PIPE CONNECTION		
	P-TRAP		
	AREA DRAIN		
	ABOVE FINISHED FLOOR BUILDING		
	BACKFLOW PREVENTER		
	BOTTOM OF PIPE CEILING		
	CLEAN OUT		
	CLEAN OUT DECK PLATE		
	CONTINUED PIPING		
	PIPE DOWN/DROP		
	PIPE UP/RAISE		
	BOTTOM PIPE CONNECTION		
	TOP PIPE CONNECTION		
	P-TRAP		
	AREA DRAIN		
	ABOVE FINISHED FLOOR BUILDING		
	BACKFLOW PREVENTER		
	BOTTOM OF PIPE CEILING		
	CLEAN OUT		
	CLEAN OUT DECK PLATE		
	CONTINUED PIPING		
	PIPE DOWN/DROP		

SPRINKLER DRAWING LIST	
SP-001	SPRINKLER SYMBOL LIST, NOTES, DETAILS, SCHEDULE & RISER DIAGRAM
SP-100	SPRINKLER CONSTRUCTION PLAN
SP-200	SPRINKLER SPECIFICATIONS

SPRINKLER SYMBOL LIST	
	NEW SPRINKLER PIPE
	EXISTING SPRINKLER PIPING TO REMAIN
	PIPE UP
	PIPE DN
	POINT OF DISCONNECTION
	POINT OF NEW CONNECTION
	CAP
	FLOOR CONTROL ASSEMBLY
	REMOVE SPRINKLER HEAD
	RELOCATE SPRINKLER HEAD
	NEW SPRINKLER HEAD
	FLOW SWITCH
	GATE VALVE WITH TAMPER SWITCH
	BALL VALVE
	PRESSURE SWITCH

SPECIAL INSPECTION NOTE:

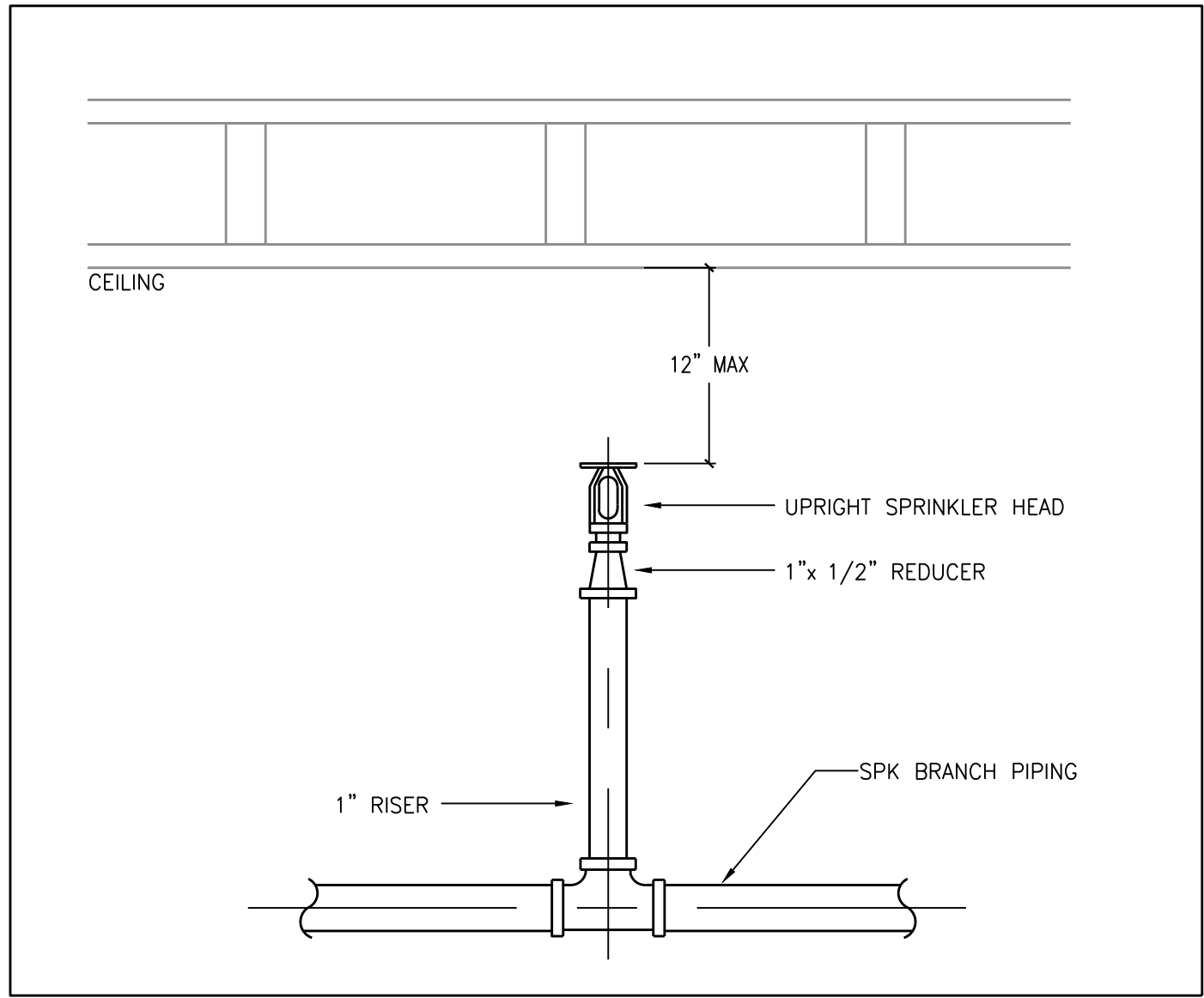
1. REQUIRED SPECIAL INSPECTIONS SHALL BE AS FOLLOWS:
 A. SPRINKLER SYSTEM
 B. FIRESTOPPING
 C. FINAL

COMPLIANCE WITH NYCECC:

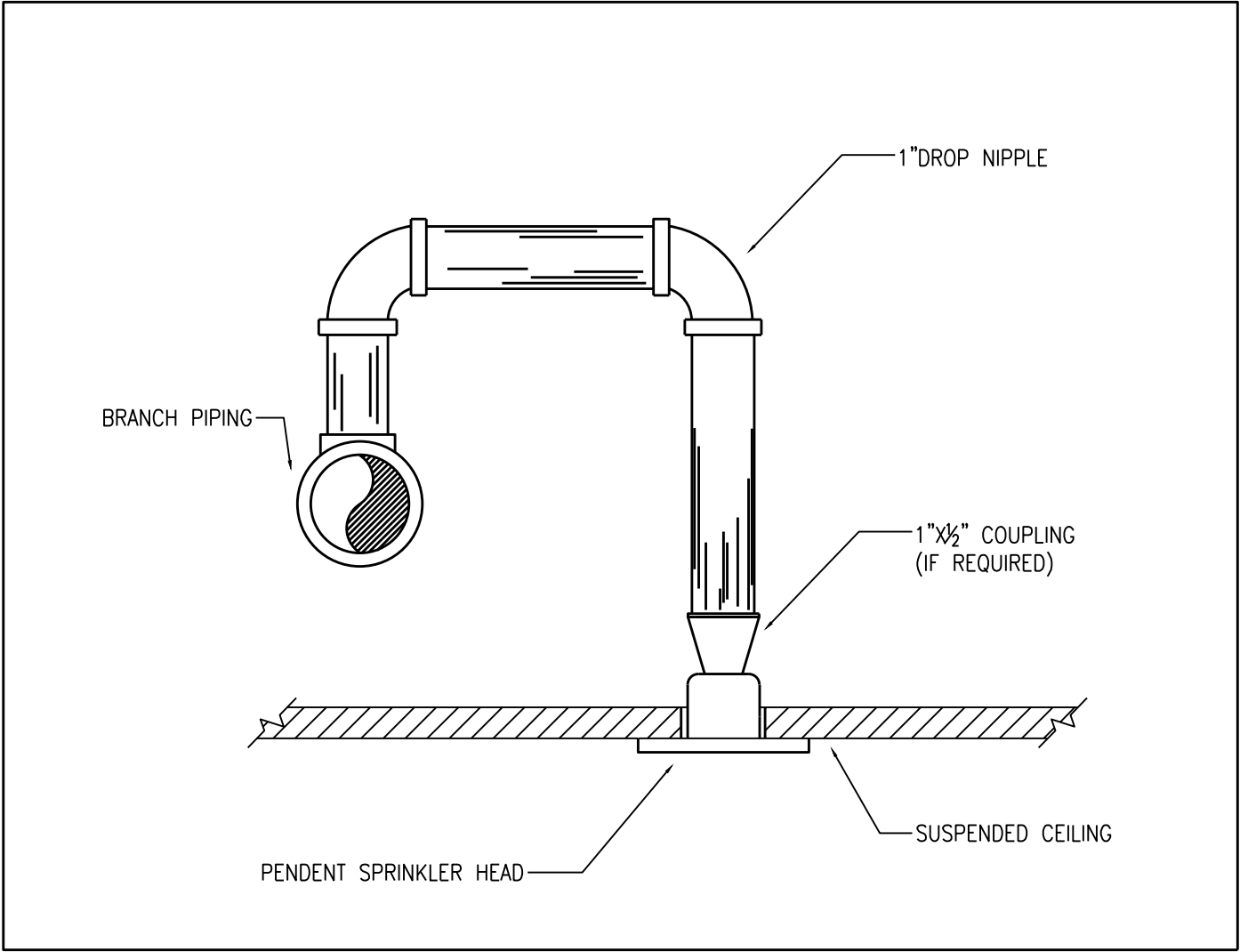
TO THE BEST OF MY KNOWLEDGE, BELIEF, AND PROFESSIONAL JUDGMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE. THE WORK BEING PERFORMED (THE MODIFICATION OF AN EXISTING SPRINKLER SYSTEM) IS NOT GOVERNED BY THE NYCECC.

NEW YORK CITY BUILDING DEPARTMENT NOTE:

THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

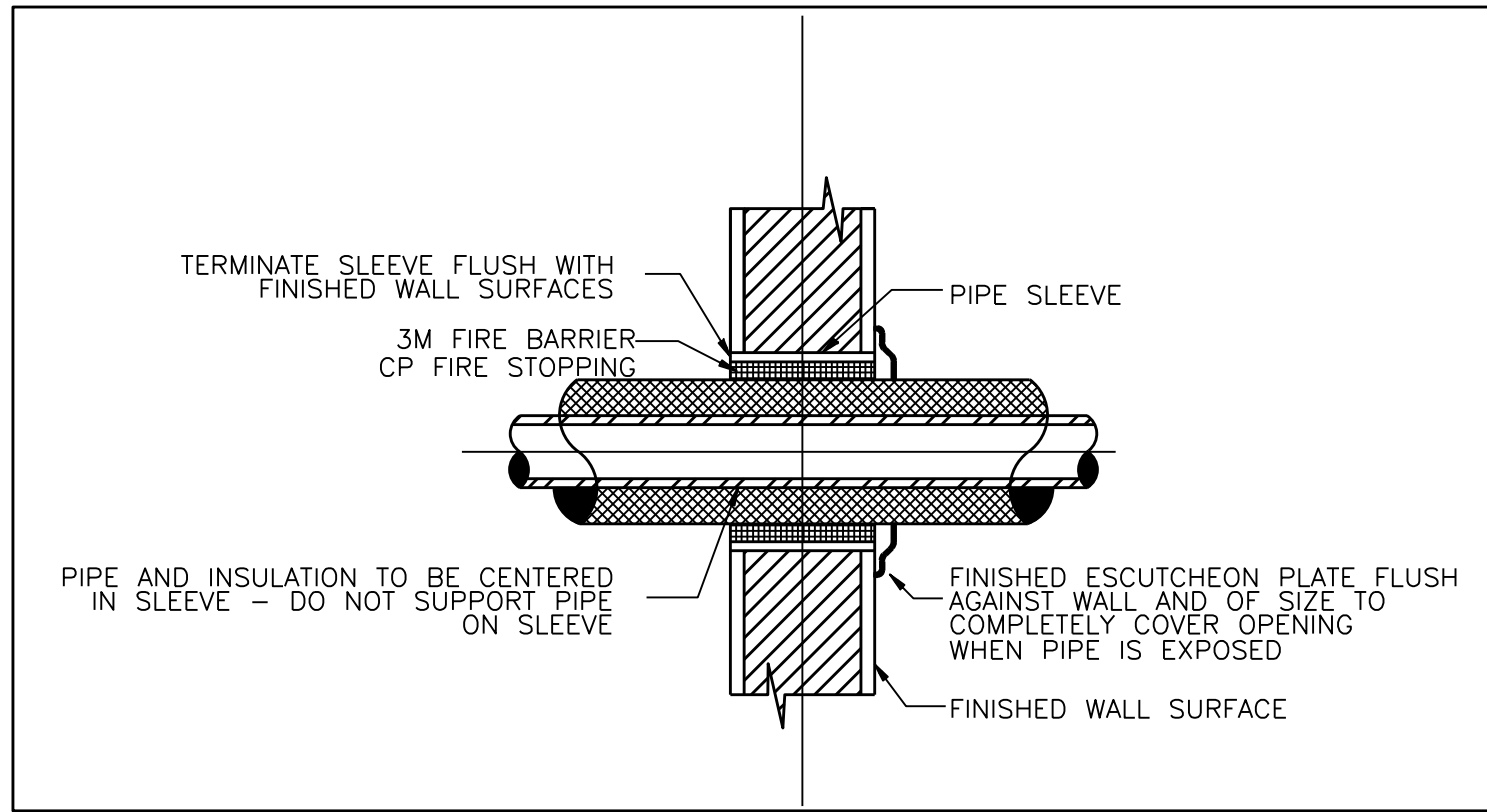


1 TYPICAL UPRIGHT SPRINKLER CONNECTION DETAIL
SCALE: NONE

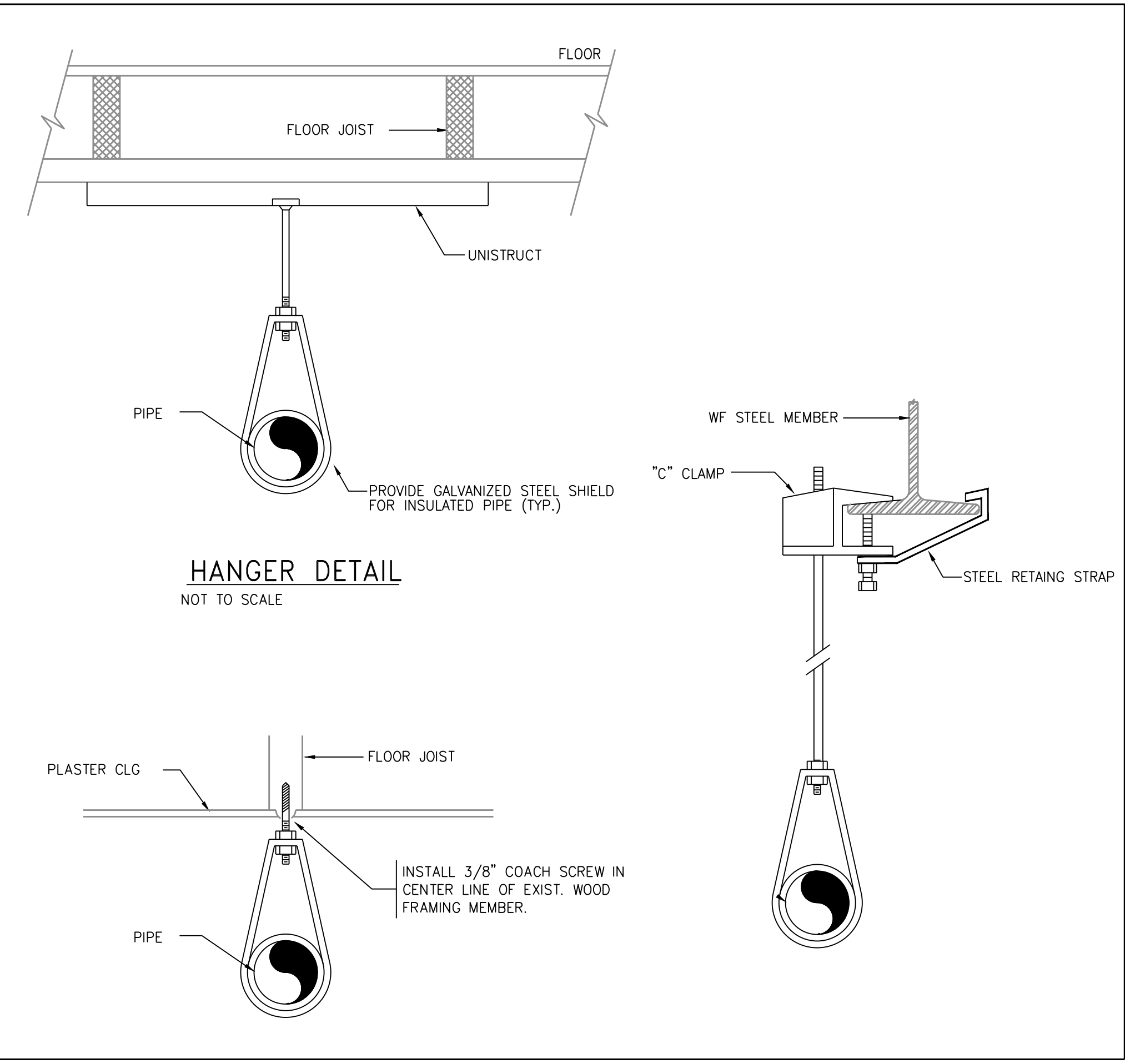


2 TYPICAL SPRINKLER CONNECTION DETAIL
SCALE: NONE

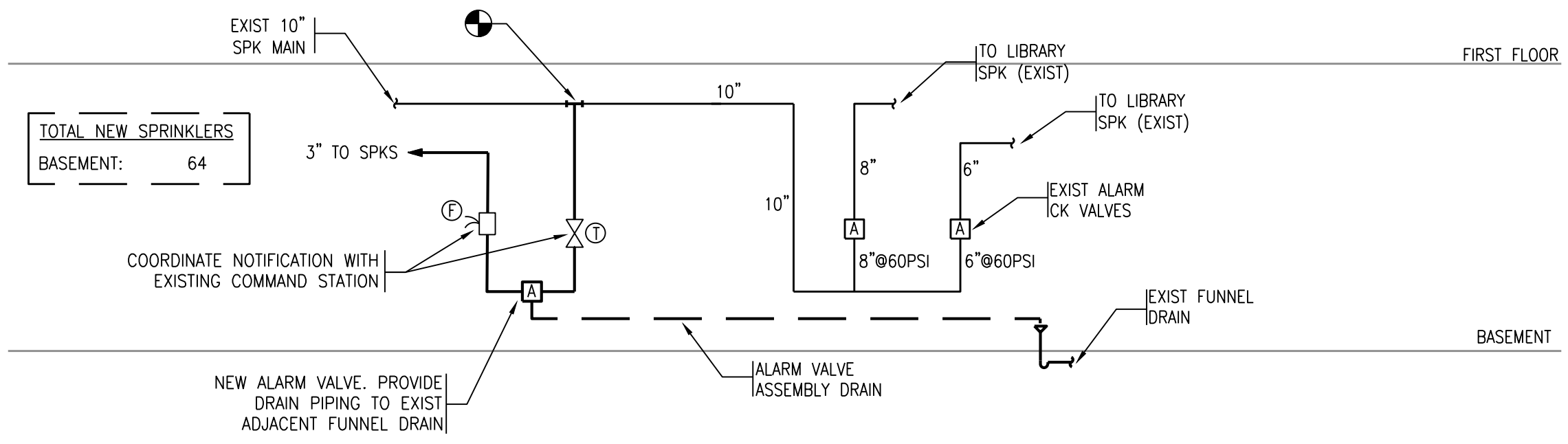
SPRINKLER HEAD SCHEDULE												
DESIGNATION	REQUIRED	MANUFACTURER/MODEL		CONCEALED	PENDANT	UPRIGHT	SIDEWALL	EXTENDED COVERAGE	FLUSH	DRY	DELUGE	REMARKS
		CENTRAL RELIABLE	VIKING									
○	●	F1FR56										
●	●	G4A		●	●							



4 PIPE SLEEVE THRU INTERIOR PARTITION
SCALE: NONE



5 TYPICAL PIPE SUPPORT
SCALE: NONE



3 PART SPRINKLER RISER DIAGRAM
SCALE: NONE

FIRE PROTECTION SPECIFICATIONS

1. GENERAL:
 - A. THE "GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION", AIA DOCUMENT A201, LATEST EDITION, AND THESE SPECIFICATIONS AS APPLICABLE ARE PART OF THIS CONTRACT.
 - B. ALL APPLICABLE CODES, LAWS AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS, AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR WHO SHALL INFORM THE OWNER, PRIOR TO SUBMITTING A PROPOSAL, OR ANY WORK OR MATERIAL WHICH VIOLATES ANY OF THE ABOVE LAWS AND REGULATIONS. ANY WORK DONE BY THE CONTRACTOR CAUSING SUCH VIOLATION SHALL BE CORRECTED BY THE CONTRACTOR.
 - C. INVESTIGATE EACH SPACE THROUGH WHICH EQUIPMENT MUST BE MOVED. WHERE NECESSARY, EQUIPMENT SHALL BE SHIPPED FROM MANUFACTURER IN SECTIONS OF SIZE SUITABLE FOR MOVING THROUGH AVAILABLE RESTRICTIVE SPACES. ASCERTAIN FROM BUILDING OWNER AND TENANT AT WHAT TIMES OF DAY EQUIPMENT MAY BE MOVED THROUGH ALL AREAS.
 - D. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. PIPE ROUTING IS SHOWN DIAGRAMMATICALLY AND DOES NOT SHOW ALL OFFSETS, DROPS AND RISES OF RUNS. THE CONTRACTOR SHALL ALLOW IN HIS PRICE FOR ROUTING OF PIPE TO AVOID OBSTRUCTIONS. COORDINATION WITH THE EXISTING SERVICES, INCLUDING THOSE OF OTHER TRADES IS REQUIRED. MAINTAIN HEADROOM AND SPACE CONDITIONS.
 - E. INSTALL WORK SO AS TO BE READILY ACCESSIBLE FOR OPERATION, MAINTENANCE AND REPAIR. MINOR DEVIATIONS FROM DRAWINGS MAY BE MADE TO ACCOMPLISH THIS, BUT CHANGES WHICH INVOLVE EXTRA COST SHALL NOT BE MADE WITHOUT APPROVAL.
 - F. REMOVAL AND RELOCATION OF CERTAIN EXISTING WORK WILL BE NECESSARY FOR THE PERFORMANCE OF THE GENERAL WORK. ALL EXISTING CONDITIONS CANNOT BE COMPLETELY DETAILED ON THE DRAWINGS. THE CONTRACTOR SHALL SURVEY THE SITE AND INCLUDE ALL CHANGES IN MAKING UP THE WORK PROPOSAL.
 - G. CONNECTIONS TO EXISTING WORK: INSTALL NEW WORK AND CONNECT TO EXISTING WORK WITH MINIMUM INTERFERENCE TO EXISTING FACILITIES. TEMPORARY SHUTDOWNS OF EXISTING SERVICES SHALL BE PERFORMED AT NO ADDITIONAL CHARGES, AT TIMES NOT TO INTERFERE WITH NORMAL OPERATION OF EXISTING FACILITIES AND ONLY WITH WRITTEN CONSENT OF OWNER. MAINTAIN CONTINUOUS OPERATION OF EXISTING FACILITIES AS REQUIRED WITH NECESSARY TEMPORARY CONNECTIONS BETWEEN NEW AND EXISTING WORK. CONNECT NEW WORK TO EXISTING WORK IN NEAT AND ACCEPTABLE MANNER. RESTORE EXISTING DISTURBED WORK TO ORIGINAL CONDITION.
 - H. DISCONNECT, REMOVE AND/OR RELOCATE EXISTING MATERIAL, EQUIPMENT AND OTHER WORK AS NOTED OR REQUIRED FOR PROPER INSTALLATION OF NEW WORK.
 - I. THE CONTRACTOR SHALL KEEP ALL EQUIPMENT AND MATERIALS, AND ALL PARTS OF THE BUILDING, EXTERIOR SPACES AND ADJACENT STREETS, SIDEWALKS AND PAVEMENTS, FREE FROM MATERIAL AND DEBRIS RESULTING FROM THE EXECUTION OF THIS WORK. EXCESS MATERIALS WILL NOT BE PERMITTED TO ACCUMULATE EITHER ON THE INTERIOR OR THE EXTERIOR.
 - J. THE LOCATIONS OF THE EXISTING SERVICES ARE BELIEVED TO BE AS INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL VERIFY THE ACTUAL LOCATION OF THESE SERVICES AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO COMMENCING ANY WORK.
 - K. SEAL OPENINGS THROUGH PARTITIONS, WALLS AND FLOORS WITH A U.L.-LISTED FIRESTOPPING ASSEMBLY MATCHED TO THE RATING OF THE PENETRATED ELEMENT.
 - L. PROVIDE ALL NECESSARY FLASHING AND COUNTERFLASHING TO MAINTAIN THE WATERPROOFING INTEGRITY OF THIS BUILDING AS REQUIRED BY THE INSTALLATION OR REMOVAL OF PIPING AND EQUIPMENT. PROVIDE EQUIPMENT CURBS AS REQUIRED.
 - M. ALL PRESENT MATERIAL, EQUIPMENT AND CONSTRUCTION DEBRIS TO BE REMOVED UNDER THIS CONTRACT SHALL BECOME THE PROPERTY OF THE CONTRACTOR WITH THE EXCEPTION OF SPECIFIC EQUIPMENT AND APPARATUS REQUESTED BY THE BUILDING REPRESENTATIVE, ARCHITECT OR AS NOTED TO BE RELOCATED ON THE DRAWINGS. REMOVED EQUIPMENT SHALL BE PROPERLY DISPOSED OF BY THIS CONTRACTOR, OR AS DIRECTED BY THE OWNER.
 - N. MATERIALS AND WORKMANSHIP, UNLESS OTHERWISE NOTED, SHALL BE IN ACCORDANCE WITH BUILDING STANDARDS.
 - O. THE WORK IN THE BUILDING SHALL BE DONE WHEN AND AS DIRECTED, AND IN A MANNER SATISFACTORY TO THE OWNER. THE WORK SHALL BE PERFORMED SO AS TO CAUSE THE LEAST POSSIBLE INCONVENIENCE AND DISTURBANCE TO THE PRESENT OCCUPANTS.
 - P. THE CONTRACTOR'S PROPOSAL FOR ALL WORK SHALL BE PREDICATED ON THE PERFORMANCE OF THE WORK DURING REGULAR WORKING HOURS. WHEN SO DIRECTED, HOWEVER, THE CONTRACTOR SHALL INSTALL WORK IN OVERTIME AND THE ADDITIONAL COST TO BE CHARGED THEREFORE SHALL BE ONLY THE "PREMIUM" PORTION OF THE WAGES PAID.
 - Q. UNLESS OTHERWISE SPECIFICALLY SPECIFIED, INCLUDE ALL CUTTING AND PATCHING OF EXISTING FLOORS, WALLS, PARTITIONS AND OTHER MATERIALS IN THE EXISTING BUILDING. THE CONTRACTOR SHALL RESTORE THESE AREAS TO ORIGINAL CONDITION.
 - R. ALL MATERIAL AND EQUIPMENT TO BE NEW UNLESS OTHERWISE NOTED AND SHALL BE IN ACCORDANCE WITH BUILDING STANDARDS.
 1. ALL MATERIAL AND EQUIPMENT ON SITE SHALL BE PROPERLY STORED SUCH THAT IT IS PROTECTED FROM DAMAGE AND EXPOSURE TO OUTSIDE ELEMENTS.
 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SERVICES AND EQUIPMENT.
 3. SUBMISSION OF A PROPOSAL SHALL BE CONSTRUED AS EVIDENCE THAT A CAREFUL EXAMINATION OF THE PORTIONS OF THE EXISTING BUILDING, EQUIPMENT, ETC., WHICH AFFECT THIS WORK, AND THE ACCESS TO SUCH SPACES, HAS BEEN MADE AND THAT THE CONTRACTOR IS FAMILIAR WITH EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT THE EXECUTION OF THE WORK. THE CONTRACTOR IS RESPONSIBLE TO INDICATE ANY DISCREPANCIES BETWEEN THE CONTRACT DRAWINGS AND ACTUAL FIELD CONDITIONS PRIOR TO SUBMITTAL OF BID. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE. LATER CLAIMS SHALL NOT BE MADE FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN DURING SUCH AN EXAMINATION. THE ON-SITE INSPECTION SHALL VERIFY EXISTING PIPE SIZES, CLEARANCES, ETC. AND CONDITIONS.
 4. INSURANCE: PROVIDE IN ACCORDANCE WITH BUILDING REQUIREMENTS AND POLICY SHALL INCLUDE A HOLD HARMLESS CLAUSE FOR OWNER AND ENGINEER.
 5. THE FINAL ACCEPTANCE WILL BE MADE AFTER THE CONTRACTOR HAS ADJUSTED HIS EQUIPMENT, TESTED THE VARIOUS SYSTEMS, DEMONSTRATED THAT IT FULFILLS THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS AND HAS FURNISHED ALL THE REQUIRED CERTIFICATES OF INSPECTION AND APPROVAL.
2. SCOPE OF WORK:
 - A. SCOPE OF WORK SHALL CONSIST OF PROVIDING LABOR, MATERIALS, EQUIPMENT, SERVICES AND FEES NECESSARY FOR COMPLETE AND SAFE INSTALLATION IN CONFORMITY WITH THE NEW YORK CITY BUILDING CODE AND ALL OTHER APPLICABLE INDUSTRY, NATIONAL AND LOCAL CODES AND AUTHORITIES HAVING JURISDICTION, AS INDICATED ON DRAWINGS AND HEREIN SPECIFIED.
 - B. MODIFY AND EXTEND EXISTING SPRINKLER PIPING TO SERVE NEW HEADS.
 - C. PROVIDE COMPLETE HYDRAULICALLY CALCULATED AUTOMATIC WET PIPE SPRINKLER SYSTEM IN ALL AREAS OF WORK INCLUDING CONNECTION TO EXISTING RISER, FLOOR CONTROL VALVE ASSEMBLY, TEST/DRAIN, PIPING AND HEADS, AUXILIARY DRAINS. SUBMIT HYDRAULIC CALCULATIONS, SIGNED AND SEALED FROM THE P.E. TO THE ENGINEER.
 - D. PROVIDE TEMPORARY SPRINKLER LOOP AND HEADS TO PROTECT EGRESS PATHS AND ELEVATOR LOBBIES DURING DEMOLITION AND CONSTRUCTION UNTIL SUCH TIME AS THE PERMANENT SYSTEM IS MADE ACTIVE.
 - E. THE BASE BUILDING DRAWINGS, PLANS, DETAILS, SPECIFICATIONS AND SPECIFICATION ADDENDA ARE MADE PART OF THIS CONTRACT AND SHALL APPLY TO ALL WORK UNDER THE CONTRACT UNLESS OTHERWISE AMENDED, MODIFIED, SUPPLEMENTED OR SPECIFIED HEREIN.
 - F. THE CONTRACTOR SHALL FURNISH A WRITTEN GUARANTEE TO REPLACE OR REPAIR PROMPTLY AND ASSUME RESPONSIBILITY FOR ALL EXPENSES INCURRED FOR ANY WORKMANSHIP AND EQUIPMENT IN WHICH DEFECTS DEVELOP WITHIN ONE YEAR FROM THE DATE OF FINAL CERTIFICATE FOR PAYMENT AND/OR FROM DATE OR ACTUAL USE OF EQUIPMENT OR BENEFICIAL OCCUPANCY OF SPACES BY OWNER INCLUDED UNDER THE VARIOUS PARTS OF THE WORK, WHICHEVER DATE IS EARLIER. THIS WORK SHALL BE DONE AS DIRECTED BY THE OWNER. THIS GUARANTEE SHALL ALSO PROVIDE THAT WHERE DEFECTS OCCUR, THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR ALL EXPENSES INCURRED IN REPAIRING AND REPLACING WORK OF OTHER TRADES AFFECTED BY DEFECTS, REPAIRS OR REPLACEMENTS IN EQUIPMENT SUPPLIED BY THE CONTRACTOR.
 - G. THE CONTRACTOR SHALL GIVE NECESSARY NOTICE, FILE DRAWINGS AND SPECIFICATIONS WITH THE DEPARTMENT HAVING JURISDICTION, OBTAIN PERMITS OR LICENSES NECESSARY TO CARRY OUT THIS WORK AND PAY ALL FEES THEREFOR. THE CONTRACTOR SHALL ARRANGE FOR INSPECTION AND TESTS OF ANY OR ALL PARTS OF THE WORK IF SO REQUIRED BY AUTHORITIES AND PAY ALL CHARGES FOR SAME. THE CONTRACTOR SHALL PAY ALL COSTS FOR, AND FURNISH TO THE OWNER BEFORE FINAL BILLING, ALL CERTIFICATES NECESSARY AS EVIDENCE THAT THE WORK INSTALLED CONFORMS WITH ALL REGULATIONS WHERE THEY APPLY TO THIS WORK. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY AND REQUIRED SIGN-OFFS AND APPROVALS FOR THE WORK INSTALLED.
3. SHOP DRAWINGS:
 - A. PRIOR TO THE INSTALLATION OF ANY WORK AND PROCUREMENT OF EQUIPMENT PROVIDE COMPLETE SET OF COORDINATED SHOP DRAWINGS OF ALL NEW AND EXISTING EQUIPMENT, INDICATING CAPACITY DIMENSIONS AND SEQUENCE OF OPERATION FOR WRITTEN APPROVAL BY THE ARCHITECT AND ENGINEER.
 - B. INDICATE ON EACH SHOP DRAWINGS SUBMITTED:
 1. PROJECT NAME AND LOCATION.
 2. NAME OF ARCHITECT AND ENGINEER.
 3. ITEM IDENTIFICATION.
 4. APPROVAL STAMP OF PRIME CONTRACTOR.
 - C. SUBMISSIONS:
 1. SUBMISSIONS 11in x 17in OR SMALLER: IF THE SUBMISSION IS A CATALOG CUT, THEN THE CONTRACTOR SHALL SUBMIT ONE ORIGINAL AND TWO COPIES. OTHERWISE, HE SHALL SUBMIT THREE COPIES. THE ARCHITECT WILL FORWARD THE ORIGINAL AND ONE COPY (TWO COPIES WHEN NO ORIGINAL IS RECEIVED) TO THE ENGINEER. ALL CATALOG CUTS SHALL BE COMPLETE.
 2. SUBMISSIONS LARGER THAN 11in x 17in: SUBMIT TWO PRINTS AND ONE PAPER SEPIA TO THE ARCHITECT. THE ARCHITECT WILL FORWARD ONE PRINT AND THE PAPER SEPIA TO THE ENGINEER.
 - D. SUBMIT SHOP DRAWINGS FOR THE FOLLOWING:
 1. PIPE AND FITTINGS.
 2. VALVES
 3. SPRINKLER HEADS AND ACCESSORIES.
 4. PIPING LAYOUTS.
 5. HYDRAULIC CALCULATIONS.
 6. SUPPORTS, HANGERS AND GUIDES.
 - E. AS BUILT DRAWINGS AND EQUIPMENT OPERATIONAL INSTRUCTION:
 - A. UPON COMPLETION AND ACCEPTANCE OF WORK, CONTRACTOR SHALL FURNISH WRITTEN INSTRUCTIONS AND EQUIPMENT MANUALS AND DEMONSTRATE TO THE OWNER THE PROPER OPERATION AND MAINTENANCE OF ALL EQUIPMENT AND APPARATUS FURNISHED UNDER THIS CONTRACT.
 - B. THESE INSTRUCTIONS SHALL BE TYPED ON 8 1/2" x 11" PAPER AND BOUND IN THREE RING BINDERS WITH CLEAR ACETATE COVERS. CONTRACTOR SHALL GIVE THREE COPIES OF THE INSTRUCTIONS TO THE OWNER AND ONE COPY TO THE ENGINEER.
 - C. THE INSTRUCTION BOOKLET SHALL BEAR THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE PROJECT, ARCHITECT AND ENGINEER.
 - D. REPRODUCIBLE "AS-BUILT" DRAWINGS SHALL BE PROVIDED INDICATING THE AS INSTALLED CONDITIONS OF THE WORK. "AS-BUILT" DRAWINGS SHALL BE PROVIDED TO THE ARCHITECT AFTER COMPLETION OF THE INSTALLATION.
4. GENERAL PROVISIONS FOR FIRE PROTECTION WORK:
 - A. SPECIFICATIONS ARE OF SIMPLIFIED FORM AND INCLUDE INCOMPLETE SENTENCES, WORDS OR PHRASES SUCH AS "THE CONTRACTOR SHALL", "SHALL BE", "FURNISH", "PROVIDE", "A", "THE", AND "ALL" HAVE BEEN OMITTED FOR BREVITY.
 - B. DEFINITIONS:
 1. "PROVIDE": TO SUPPLY, INSTALL AND CONNECT UP COMPLETE AND READY FOR SAFE AND REGULAR OPERATION THE PARTICULAR WORK REFERRED TO UNLESS SPECIFICALLY OTHERWISE NOTED.
 2. "INSTALL": TO ERECT, MOUNT AND CONNECT COMPLETE WITH RELATED ACCESSORIES.
5. "FURNISH" OR "SUPPLY": TO PURCHASE, PROCURE, ACQUIRE AND DELIVER COMPLETE WITH RELATED ACCESSORIES.
6. "WORK": LABOR, MATERIALS, EQUIPMENT, APPARATUS, CONTROLS, ACCESSORIES AND OTHER ITEMS REQUIRED FOR PROPER AND COMPLETE INSTALLATION.
7. "CONCEALED": EMBEDDED IN MASONRY OR OTHER CONSTRUCTION, INSTALLED IN FURRED SPACES, WITHIN DOUBLE PARTITIONS OR HUNG CEILING, IN TRENCHES, IN CRAWL SPACES, OR IN ENCLOSURES.
8. "EXPOSED": NOT INSTALLED UNDERGROUND OR "CONCEALED" AS DEFINED ABOVE.
9. "SIMILAR" OR "EQUAL": EQUAL IN MATERIALS, WEIGHT, SIZE, DESIGN AND EFFICIENCY OF SPECIFIED PRODUCT.
10. QUALITY ASSURANCE:
 1. QUALITY AND GAUGE OF MATERIALS: NEW, BEST OF THEIR RESPECTIVE KINDS, FREE FROM DEFECTS AND IF APPLICABLE LISTED BY UNDERWRITERS LABORATORIES, INC., AND FACTORY MUTUAL INC. OR BEARING THEIR LABEL. MATERIALS AND EQUIPMENT OF SIMILAR APPLICATION SHALL BE OF SAME MANUFACTURER, EXCEPT AS NOTED.
 2. GUARANTEE: ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE OF WORK.
 3. ANY PRODUCTS BEING INSTALLED IN NEW YORK CITY SHALL BE APPROVED BY THE BOARD OF STANDARDS AND APPEALS.
11. PRODUCT DELIVERY, STORAGE AND HANDLING:
 1. MOVING OF EQUIPMENT: WHERE NECESSARY, SHIP IN CARTED SECTIONS OF SIZE TO PERMIT PASSING THROUGH AVAILABLE SPACES.
 2. ACCESSIBILITY: FOR OPERATION, MAINTENANCE AND REPAIR, MINOR DEVIATIONS SHALL BE PERMITTED. CHANGES OF MAGNITUDE OR INVOLVING EXTRA COST ARE NOT PERMISSIBLE WITHOUT REVIEW.
12. BRUSH AND CLEAN WORK PRIOR TO CONCEALING, PAINTING AND ACCEPTANCE. PAINTED EXPOSED WORK THAT IS SOILED OR DAMAGED, CLEAN AND REPAIR TO MATCH ADJOINING WORK BEFORE FINAL ACCEPTANCE. REMOVE DEBRIS FROM INSIDE AND OUTSIDE OF MATERIAL AND EQUIPMENT.
13. FINAL LOCATIONS AND MOUNTING ORIENTATIONS OF ALL VISIBLE FIRE PROTECTION EQUIPMENT BE VERIFIED BY ARCHITECT.
14. ALL ACCESS DOOR LOCATIONS SHALL BE REVIEWED BY ARCHITECT PRIOR TO INSTALLATION.
15. SPRINKLER SYSTEM DESIGN CRITERIA:
 1. LIGHT HAZARD OCCUPANCIES: 225 SQ FT/HEAD MAXIMUM COVERAGE; 0.10 GPM/SQ FT DENSITY OVER THE MOST REMOTE 1,500 SQ FT OF THE SYSTEM.
 2. ORDINARY HAZARD OCCUPANCIES: 130 SQ FT/HEAD MAXIMUM COVERAGE; 0.16/SQ FT DENSITY OVER THE MOST REMOTE 1,500 SQ FT OF THE SYSTEM.
16. PRODUCTS:
 - A. ESCUTCHEONS:
 1. ALL EXPOSED PIPING PASSING THROUGH WALLS, FLOORS, PARTITIONS AND CEILING SHALL BE PROVIDED WITH CHROME PLATED CAST BRASS ESCUTCHEONS HELD IN PLACE WITH SET SCREWS.
17. PIPE AND FITTINGS:
 - A. PIPE:
 1. ALL SPRINKLER AND FIRE STANDPIPE PIPING ABOVE GRADE: STANDARD WEIGHT BLACK STEEL PIPE, SCHEDULE 40, WELDED OR SEAMLESS, WITH MANUFACTURER'S NAME ROLLED INTO EACH LENGTH.
 2. ALL SPRINKLER MAIN PIPING ABOVE GRADE WITH MAXIMUM WORKING PRESSURE OF 175 PSI: LIGHT WEIGHT SCHEDULE 10 PIPE WITH MANUFACTURER'S NAME ROLLED ONTO EACH LENGTH.
 - B. FITTINGS:
 1. SUITABLE FOR FSP PRESSURE ZONE.
 2. ROLLED OR CUT GROOVE:
 - a. "T'S, ELBOWS, NIPPLES, CAPS AND CROSSES OF DUCTILE OR MALLEABLE IRON; VICTAULIC PRODUCTS OR APPROVED EQUALS.
 - b. BRANCH OUTLETS OF HOLE CUT TYPE WITH 2-PIECE BOLTED DUCTILE IRON HOUSINGS: VICTAULIC STYLE 920 AND STYLE 920N.
 - c. ALL FITTINGS IN SCHEDULE 80 PIPING SYSTEMS SHALL BE VICAULIC STYLE 77, OR APPROVED EQUAL.
 - C. JOINTS:
 1. THREADED (SCHEDULE 40 ONLY) WITH APPROVED COMPOUND.
 2. CUT GROOVE (SCHEDULE 40 ONLY) WITH RIGID MALLEABLE IRON BOLTED COUPLINGS WITH EPDM GASKETS, VICTAULIC STYLE 07, OR APPROVED EQUAL.
 - a. FOR SCHEDULE 80 PIPE SYSTEMS, VICTAULIC STYLE 77 OR APPROVED EQUAL.
 - b. FOR ROLL GROOVE SCHEDULE 10 SPRINKLER MAINS WITH A MAXIMUM WORKING PRESSURE OF 175 PSI, FIRE SERVICE RIGID MALLEABLE IRON BOLTED COUPLINGS WITH EPDM GASKETS, VICTAULIC STYLE 005, OR APPROVED EQUAL.
 - D. APPLICATIONS:
 1. THREADED: ALL SPRINKLER AND FIRE STANDPIPE SYSTEMS.
 2. GROOVED (ROLL OR CUT): ALL SPRINKLER RISERS/MAINS AND FIRE STANDPIPE SYSTEMS.
 - E. ACCEPTABLE MANUFACTURERS: VICTAULIC CO., INTERFIT, SPRINK.
18. PIPING SUPPORTS:
 - A. SUPPORT ALL PIPING FROM BUILDING CONSTRUCTION BY PROVIDING INSERTS, BEAM CLAMPS, STEEL FISHPLATES (IN CONCRETE FILL ONLY), AND ACCEPTABLE BRACKETS. SUBMIT ALL METHODS FOR REVIEW.
 - B. PROVIDE ADDITIONAL FRAMING WHERE BUILDING CONSTRUCTION IS INADEQUATE. SUBMIT FOR REVIEW.
 - C. SUSPEND HORIZONTAL PIPING:
 1. SUPPORT ALL PIPING INDEPENDENTLY FROM STRUCTURE USING HEAVY IRON-HINGED TYPE HANGERS, SIMILAR TO GRINNELL CLEVIS NO. 260.
 2. PROVIDE ELECTROPLATED SOLID BAND HANGERS SIMILAR TO AUTO-GRIP, FOR TWO-INCH AND SMALLER PIPE.
 3. PROVIDE WALL BRACKETS FOR WALL SUPPORTED PIPING, AND PROVIDE PIPE SADDLES FOR FLOOR MOUNTED PIPING.
 4. SUSPEND PIPING FROM INSERTS, USING BEAM CLAMPS WITH RETAINING CLAMP OR LOCKNUT, STEEL FISH PLATES, CANTILEVER BRACKETS OR OTHER ACCEPTED MEANS. BEAM CLAMPS SHALL BE SIMILAR TO GRINNELL FIGURES 61, 87, 131, OR 225.
 5. SUSPEND PIPING BY RODS WITH DOUBLE NUTS.
 6. PROVIDE ADDITIONAL STEEL FRAMING AS REQUIRED AND ACCEPTED WHERE OVERHEAD CONSTRUCTION DOES NOT PERMIT FASTENING HANGER RODS IN REQUIRED LOCATIONS.
 7. MAXIMUM HANGER SPACING AS INDICATED:
 - a. PIPE 1 INCH AND SMALLER SHALL BE EVERY 8 FEET.
 - b. PIPE 1-1/4 INCH AND LARGER SHALL BE EVERY 10 FEET.
 - D. VERTICAL PIPING:
 - a. PROVIDE EXTENSION PIPE CLAMPS BOLTED TO BARE PIPE ON EACH SIDE AND BEARING EQUALLY ON STRUCTURE OR WELDED TO BEAM.
 - b. PROVIDE SPACING AS INDICATED:
 - 1) THREADED AND PIPING GROOVED PIPING SHALL BE EVERY OTHER FLOOR LEVEL, AT A MAXIMUM OF 25 FEET ON CENTERS.
 - E. EXPANSION ANCHORS:
 1. PROVIDE SMOOTH WALL, NON-SELF-DRILLING INTERNAL PLUG EXPANSION TYPE ANCHORS CONSTRUCTED OF AISC 12L14 STEEL AND ZINC PLATED IN ACCORDANCE WITH FED. SPEC. 11-A-325 TYPE 1, CLASS 3.
 2. DO NOT EXCEED 1/4 OF AVERAGE VALVES FOR A SPECIFIC ANCHOR SIZE USING 2000 PSIG (13,800 KPA) CONCRETE ONLY, FOR MAXIMUM WORKING LOADS.
 3. PROVIDE SPACING AND INSTALL ANCHORS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
 4. EXPANSION ANCHORS SHALL BE QUALIFIED PER ASCE 93 AND HAVE AN ESR REPORT, QUALIFIED FOR CRACKED CONCRETE.
 - F. INSULATION:
 - A. DURING CONSTRUCTION, PROPERLY CAP ALL LINES AND EQUIPMENT NOZZLES SO AS TO PREVENT THE ENTRANCE OF DIRT, DEBRIS, ETC.
 - B. EACH SYSTEM OF PIPING SHALL BE FLUSHED (FOR THE PURPOSE OF MOVING DIRT, DEBRIS, ETC. FROM THE PIPING) FOR AS LONG A TIME AS IS REQUIRED TO THOROUGHLY CLEAN THE SYSTEM.
 - G. TESTS:
 - A. FIRE PROTECTION SYSTEM PIPING SHALL BE HYDROSTATICALLY AT A PRESSURE OF 200 PSI FOR A DURATION OF THREE HOURS WITHOUT A LOSS IN PRESSURE.
 - B. DEFECTS DISCLOSED BY THE TESTS SHALL BE REPAIRED OR REPLACED. TESTS SHALL BE REPEATED AS DIRECTED UNTIL ALL WORK IS PROVEN SATISFACTORY.
 - C. TAKE ALL PRECAUTIONS NECESSARY TO PREVENT DAMAGE TO THE BUILDING AND ITS CONTENTS AS A RESULT OF SUCH TESTS. REPAIR ANY DAMAGE CAUSED.
 - D. ARRANGE AND COORDINATE TESTS WITH OWNER 48 HOURS IN ADVANCE. NOTIFY ENGINEER AND ARCHITECT OF TEST DATE AND TIME.

**PURCHASE
COLLEGE**
STATE UNIVERSITY OF NEW YORK

735 ANDERSON HILL RD.
PURCHASE, NY 10577-1400

Project Name: Mailroom / Receiving Area Renovation Project
Project Number: #SU-120814
Location: Plaza Lower Level - Proposed Mailroom / Post Office / Receiving Area
Scale: AS SHOWN
Date: 09/19/14
File Path: Z:\1-Projects\Mailroom-Receiving Renovation\Drawings\PP_00-Opt10.dwg

ISSUED FOR BID	12.08.2014
NO.	REVISIONS / SUBMISSIONS
	DATE

**SPRINKLER
SPECIFICATIONS**

SP-200.00