

# Addition & Interior Renovations

for the

## Marlboro Free Library

1251 Route 9W, Marlboro, NY 12542

### Abbreviations

AFF	ABOVE FINISH FLOOR	HM	HOLLOW METAL
AFG	ABOVE FINISH GRADE	HR	HOUR
ALUM	ALUMINUM	INSUL	INSULATION
APPROX	APPROXIMATE	LG	LIGHT GAUGE METAL FRAMING
BM	BEAM	MAX	MAXIMUM
CL	CENTERLINE	MIN	MINIMUM
CJ	CONTROL JOINT	MO	MASONRY OPENING
CMU	CONCRETE MASONRY UNIT	NIC	NOT IN CONTRACT
COL	COLUMN	OPN'G	OPENING
CONC	CONCRETE	OPP	OPPOSITE
CONT	CONTINUOUS	PT	PRESSURE TREATED
COORD	COORDINATE	REQ	REQUIREMENTS
ELEV	ELEVATION	RO	ROUGH OPENING
EP	ELECTRICAL PANEL	SIM	SIMILAR
EXIST	EXISTING	STL	STEEL
ETR	EXISTING TO REMAIN	TYP	TYPICAL
FND	FOUNDATION	UCON	UNLESS OTHERWISE NOTED
FTG	FOOTING	VIF	VERIFY IN FIELD
GWB	GYPSUM WALL BOARD	W/	WITH
		W/O	WITHOUT
		WD	WOOD

### Library Director:

Lindsay Jankovitz

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### Architect:

Butler Rowland Mays Architects, LLP  
57 West High Street  
Ballston Spa, New York 12020  
ph: (518) 885-1255  
www.brmarchitects.com

### Site Engineer:

Engineering & Surveying Properties, PC  
71 Clinton Street  
Montgomery, NY 12549  
ph: (845) 457-7727

### Structural Engineer:

Preston Engineering, PLLC  
1 Avian Drive  
East Greenbush, NY 12061  
ph: (518) 396-9080

### Mechanical, Electrical, Plumbing Engineers:

Sage Engineering Associates, LLP  
9 Columbia Circle  
Albany, NY 12203  
ph: (518) 453-6091

THE ARCHITECT CERTIFIES THAT THIS PROJECT HAS BEEN DESIGNED BY ME, OR UNDER MY SUPERVISION, IN ACCORDANCE WITH THE BUILDING CODE OF NEW YORK STATE / NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, LATEST VERSION, THE 2002 NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE (OR LATEST VERSION), AND APPLICABLE FEDERAL, STATE AND LOCAL LAWS, CODES, AND REGULATIONS, AND TO THE BEST OF MY KNOWLEDGE AND BELIEF, THESE DOCUMENTS ARE IN CONFORMANCE THEREWITHIN.

*Steven G. Rowland*  
STEVEN G. ROWLAND, RA

024705

NYS REGISTRATION No.

5/20/2025

DATE

THIS BUILDING MEETS OR EXCEEDS THE SEISMIC STRUCTURAL REQUIREMENTS OF THE BUILDING CODE OF NEW YORK STATE AND THEREFORE SATISFIES THE REQUIREMENTS AS ESTABLISHED UNDER THE NATIONAL EARTHQUAKE HAZARD REDUCTION PROTECTION ACT (NEHRPA).

### Schedule of Drawings

#### G1 COVER

#### SITE

C100 EXISTING CONDITIONS & DEMOLITION PLAN  
C101 SITE PLAN  
C102 GRADING & DRAINAGE PLAN  
C301 DETAILS

#### STRUCTURAL

S100 GENERAL NOTES AND SPECIFICATIONS  
S101 FOUNDATION PLAN  
S102 ROOF FRAMING PLAN  
S200 TYPICAL FOUNDATION SECTIONS + DETAILS  
S201 FOUNDATION SECTIONS  
S300 FRAMING SECTIONS + DETAILS  
S301 ROOF FRAMING SECTIONS AND DETAILS  
S400 LINTEL DETAILS  
S500 TYPICAL COLD FORMED METAL FRAMING DETAILS

#### ARCHITECTURAL

AR100 EXIST. CONDITIONS & REMOVALS PLAN  
AR101 EXIST. REFLECTED CEILING PLAN & REMOVALS  
A100 OVERALL FLOOR PLAN  
A101 REFLECTED CEILING PLAN  
A102 ROOF PLAN & DETAILS  
A103 FLOOR FINISH PLAN  
A200 ELEVATIONS  
A201 SECTIONS  
A300 WALL SECTIONS  
A301 WINDOW & DOOR DETAILS  
A302 DETAILS  
A400 RESTROOM PLANS & ELEVATIONS  
A600 MILLWORK  
F100 FURNITURE FLOOR PLAN

#### PLUMBING

P001 LEGEND, SYMBOLS AND DETAILS  
P002 DETAILS  
PR101 SANITARY, VENT & STORM REMOVAL PLAN  
PR102 DOMESTIC WATER REMOVAL PLAN  
P101 SANITARY, VENT & STORM INSTALLATION PLAN  
P102 DOMESTIC WATER INSTALLATION PLAN

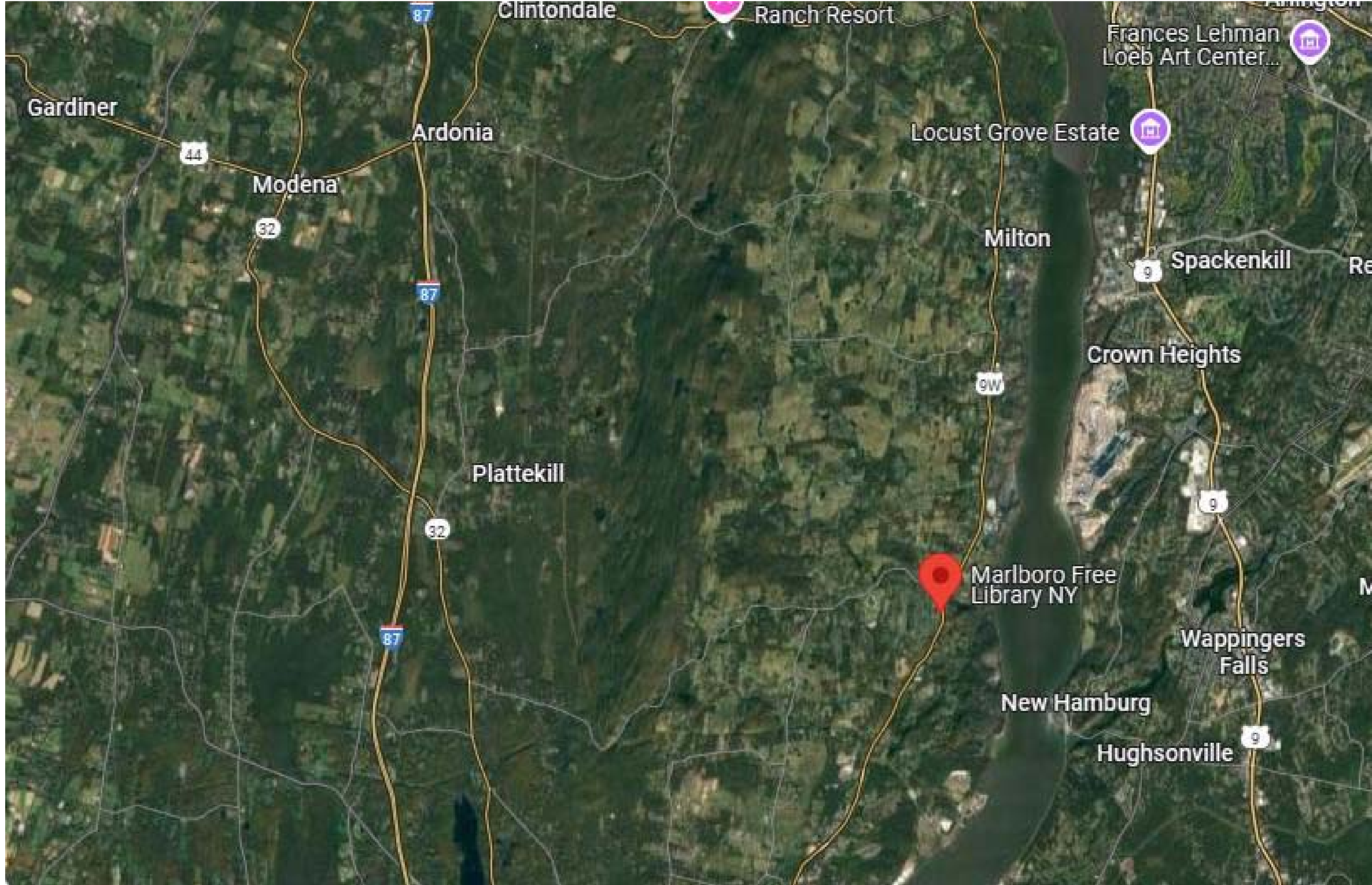
#### MECHANICAL

M001 LEGEND, SYMBOLS AND NOTES  
M002 DETAILS  
M003 DETAILS  
MR101 REMOVALS PLAN  
MR102 ROOF REMOVALS PLAN  
M101 HVAC INSTALLATION PLAN  
M102 HVAC ROOF INSTALLATION PLAN

#### ELECTRICAL

E001 ELECTRICAL LEGEND, NOTES & DETAILS  
ER101 POWER AND DATA REMOVALS PLAN  
ER201 LIGHTING REMOVALS PLAN  
ER301 FIRE ALARM REMOVALS PLAN  
E101 POWER AND DATA PLAN  
E102 MECHANICAL POWER PLAN  
E201 LIGHTING PLAN  
E301 FIRE ALARM PLAN  
E501 LIGHTING FIXTURE SCHEDULE  
E601 PANEL SCHEDULES  
E602 PANEL SCHEDULES

### Overall Site Plan



### General Notes

- G-1. DO NOT SCALE THE DRAWINGS.
- G-2. UNLESS NOTED OTHERWISE, ALL INTERIOR DIMENSIONS ARE TAKEN FROM FACE OF FRAMING, CENTERLINE OF STEEL, OR EDGE OF ROUGH OPENING.
- G-3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO COMMENCING ANY CONSTRUCTION WORK.
- G-4. UNAUTHORIZED ADDITIONS TO OR ALTERATIONS OF THESE DOCUMENTS WITHOUT CONSULTING THE ARCHITECT IS A VIOLATION OF NYS EDUCATION LAW.
- G-5. ALL MATERIALS, PRODUCTS AND FINISHES SHALL BE INSTALLED IN FULL COMPLIANCE WITH ALL MANUFACTURER'S INSTRUCTIONS.
- G-6. THE CONTRACTOR SHALL OBTAIN ALL LICENSES AND PERMITS NECESSARY FOR THE PROPER EXECUTION OF THE WORK.
- G-7. THESE DRAWINGS DO NOT CONTAIN THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. SAFETY DURING CONSTRUCTION IS THE CONTRACTOR'S RESPONSIBILITY.
- G-8. ALL WORK IS TO BE IN STRICT ACCORDANCE WITH THE BUILDING CODE OF NEW YORK STATE, THE MECHANICAL AND PLUMBING CODES OF NEW YORK STATE, THE ENERGY CONSERVATION CODE OF NEW YORK STATE, THE NATIONAL ELECTRIC CODE AND ANY LOCAL ORDINANCES.
- G-9. GENERAL CONTRACTOR SHALL INSTALL ALL MISCELLANEOUS BLOCKING IN PARTITIONS AS REQUIRED TO SUPPORT AND FRAME WALL MOUNTED ITEMS.

### Symbols Legend

	ENLARGED PLAN or DETAIL NUMBER
	SHEET LOCATION
	BUILDING SECTION NUMBER
	SHEET LOCATION
	WALL SECTION NUMBER
	SHEET LOCATION
	NEW WALL CONSTRUCTION
	EXISTING WALL
	NEW DOOR
	EXISTING DOOR

ARCHITECTS JOB No: 23-46-06  
ISSUE DATE:

DWG. No.

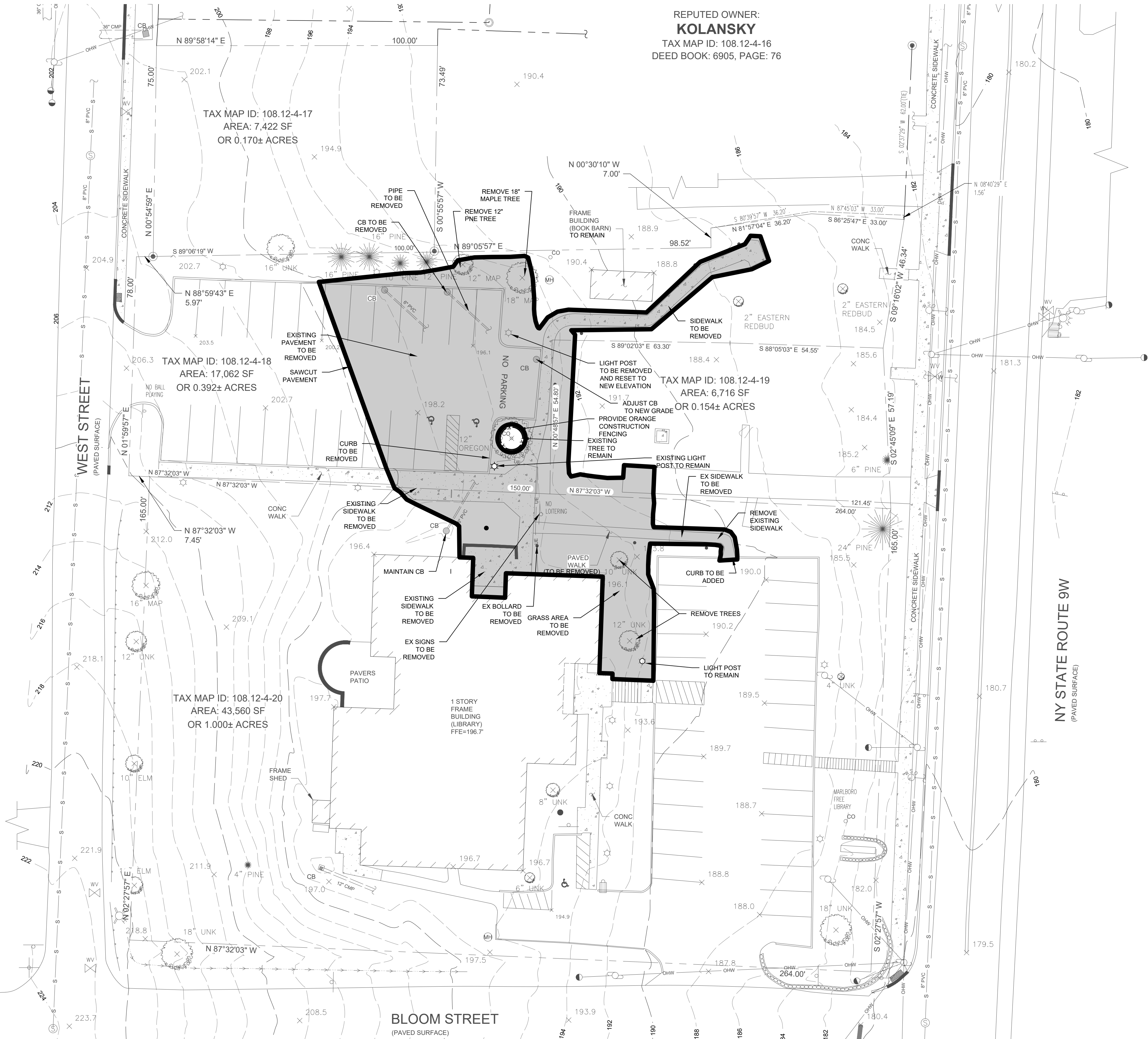
A001



1. IN ACCORDANCE WITH STATE LAW, THE CONTRACTOR IS REQUIRED TO CALL FOR UTILITY MARK-OUT PRIOR TO ANY EXCAVATION, DRILLING, ETC. THE CONTRACTOR SHALL CONTACT DISA, NEW YORK, AT 811. A PRE-DEMOLITION CONFERENCE SHOULD BE ARRANGED WITH DISA NEW YORK AND THE OWNER. IT IS SUGGESTED TO BE HELD A MINIMUM OF 7 DAYS BEFORE THE START OF ANY DEMOLITION.
2. THIS DEMOLITION PLAN IS INTENDED TO IDENTIFY THOSE EXISTING ITEMS/CONDITIONS WHICH ARE TO BE REMOVED. IT IS NOT INTENDED TO PROVIDE DIRECTION OTHER THAN THAT. ALL METHODS AND MEANS ARE TO BE IN ACCORDANCE WITH STATE, FEDERAL, LOCAL, AND JURISDICTIONAL REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL O.S.H.A. AND OTHER SAFETY PRECAUTIONS NECESSARY TO PROTECT THE WORK SITE.
3. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING SITE IMPROVEMENTS AND UTILITIES. ALL DISCREPANCIES SHALL BE IDENTIFIED TO THE ENGINEER IN WRITING.
4. ALL DEMOLITION DEBRIS TO BE REMOVED FROM THE SITE BY THE CONTRACTOR IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.
5. ALL DEMOLITION ACTIVITIES ARE TO BE PERFORMED IN ACCORDANCE WITH THESE PLANS, AS WELL AS ALL FEDERAL, STATE AND LOCAL REGULATIONS. ANY DISCREPANCIES OR DEVIATIONS SHALL BE IDENTIFIED BY THE CONTRACTOR TO THE ENGINEERING IN WRITING FOR RESOLUTION PRIOR TO INITIATION OF SITE ACTIVITY.
6. PRIOR TO STARTING ANY DEMOLITION THE CONTRACTOR IS RESPONSIBLE FOR TO:
  - a. ENSURING COPIES OF ALL PERMITS AND APPROVALS ARE OBTAINED AND MUST BE MAINTAINED ON SITE AND AVAILABLE FOR REVIEW FOR THE ENTIRE DURATION OF ALL WORK.
  - b. INSTALLING THE REQUIRED SOIL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO SITE DISTURBANCE.
  - c. ALL UTILITIES AND SERVICES, INCLUDING BUT NOT LIMITED TO GAS, WATER, ELECTRIC, SANITARY AND STORM SEWER, TELEPHONE, CABLE, FIBER OPTIC CABLE, ETC. WITHIN THE LIMITS OF DISTURBANCE, THE CONTRACTOR SHALL USE AND COMPLY WITH THE REQUIREMENTS OF THE APPLICABLE UTILITY NOTIFICATION SYSTEM TO LOCATE ALL THE UNDERGROUND UTILITIES.
  - d. PROTECTING AND MAINTAINING IN OPERATION, ALL ACTIVE UTILITY SYSTEMS THAT ARE NOT BEING REMOVED DURING ALL DEMOLITION ACTIVITIES.
  - e. FAMILIARIZING THEMSELVES WITH THE APPLICABLE UTILITY SERVICE PROVIDER AND IS RESPONSIBLE FOR ALL COORDINATION REGARDING PROVIDER AND IS RESPONSIBLE FOR ALL COORDINATION REGARDING UTILITY DEMOLITION REQUIRED FOR THE PROJECT. THE CONTRACTOR SHALL PROVIDE THE OWNER WRITTEN NOTIFICATION THAT THE EXISTING UTILITIES AND SERVICES HAVE BEEN TERMINATED AND ABANDONED IN ACCORDANCE WITH JURISDICTION AND UTILITY COMPANY REQUIREMENTS.
7. THE UNDERSIGNED ENGINEER IS NOT RESPONSIBLE FOR ANY REMEDIATION OF UNKNOWN OR UNDOCUMENTED EXISTING ENVIRONMENTAL CONDITIONS FOUND.
8. THE ENGINEER OR ENGINEER'S FIRM OF RECORD IS NOT RESPONSIBLE FOR JOB SITE SAFETY OR SUPERVISION. CONTRACTOR IS TO PROCEED WITH THE DEMOLITION IN A SYSTEMATIC AND SAFE MANNER FOLLOWING ALL THE O.S.H.A. REQUIREMENTS, TO PROTECT PUBLIC AND CALL THE NEARBY UTILITIES.
9. THE CONTRACTOR SHALL PROVIDE ALL THE "MEANS AND METHODS" NECESSARY TO PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF EXISTING STRUCTURES, AND ANY OTHER IMPROVEMENTS THAT ARE REMAINING ON OR OFF SITE. THE DEMOLITION CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS OF DAMAGE TO ALL ITEMS THAT ARE TO REMAIN AS A RESULT OF HIS ACTIVITIES. ALL REPAIR SHALL USE NEW MATERIAL. THE REPAIR SHALL RESTORE THE ITEM TO THE DEMOLITION CONDITION.
10. THE CONTRACTOR SHALL FURNISH ALL MOVEMENT ACTIVITIES, DEMOLITION AND REPAIR OF ALL FOUNDATION WALLS, FOOTING, AND OTHER MATERIALS WITHIN THE LIMITS OF DISTURBANCE IN ACCORDANCE WITH ALL PLANS, NOTES, AND SPECIFICATIONS.
11. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL AS NECESSARY OR AT THE DIRECTION OF THE ENGINEER AND GENERALLY ACCEPTED SAFE PRACTICES IN CONFORMANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL", AS WELL AS FEDERAL, STATE, AND LOCAL REGULATIONS. ALL DEMOLITION RELATED ACTIVITIES IMPACT ROADWAYS OR ROADWAY RIGHTS-OF-WAY.
12. CONDUCT DEMOLITION ACTIVITIES IN SUCH A MANNER TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, SIDEWALKS, WALKWAYS, AND OTHER ADJACENT FACILITIES. NO STREET CLOSURE PERMITS WILL BE PERMITTED.
13. DEMOLITION ACTIVITIES AND EQUIPMENT SHALL NOT USE AREAS OUTSIDE THE DEFINED PROPERTY LINE WITHOUT WRITTEN PERMISSION OF THE OWNER, AND/OR APPROPRIATE GOVERNMENT AGENCY.
14. USE DUST CONTROL MEASURES TO LIMIT AIRBORNE DUST AND DIRT RISING AND SCOURING IN THE AIR IN ACCORDANCE WITH FEDERAL, STATE, AND/OR LOCAL STANDARDS. AFTER THE DEMOLITION IS COMPLETE, ADJACENT STRUCTURES AND IMPROVEMENTS SHALL BE CLEANED OF ALL DUST AND DEBRIS CAUSED BY THE DEMOLITION OPERATIONS. THE CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL ADJACENT AREAS TO THEIR "PRE-DEMOLITION" CONDITION.
15. DEBRIS SHALL NOT BE BURIED ON THE SUBJECT SITE. ALL DEMOLITION WASTES AND DEBRIS (USE AND WASTE) SHALL BE REMOVED IN ACCORDANCE WITH ALL TOWN, COUNTY, STATE AND FEDERAL LAWS AND APPLICABLE CODES.
16. DEMOLITION SHALL NOT PROCEED UNTIL THE LOCATION OF THE EXISTING UTILITIES ARE MARKED IN THE FIELD AND ALL UTILITY CONNECTIONS ARE SUITABLE SHUT OFF AND DISCONNECTED AND PROPER DEMOLITION PERMITS ARE IN PLACE WITH THE TOWN.
17. CONTRACTOR MAY BE RESPONSIBLE TO SEED AND MULCH ALL DISTURBED SITE AREAS AS DIRECTED BY THE OWNER AND/OR ENGINEER.
18. PROTECT ALL EXISTING UTILITIES TO REMAIN (INCLUDING DRAIN INLETS, HYDRANTS, VALVES, SEWER MANHOLES, ETC) DURING DEMOLITION. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED BY THEMSELF OR SUB-CONTRACTORS.
19. IF ANY ASBESTOS IS ENCOUNTERED WITHIN THE BUILDING DURING DEMOLITION, A QUALIFIED & LICENSED CONTRACTOR SHALL BE UTILIZED TO REMOVE SUI ASBESTOS. ANY ASBESTOS SHALL BE REMOVED IN ACCORDANCE WITH ALL APPLICABLE STATE AND FEDERAL REGULATIONS.

	BUILDING LINE
	BUILDING GARAGE LINE
	BUILDING ROOF LINE
	CONCRETE PAD LINE
	CONCRETE HATCH
	MAJOR CONTOUR LINE
	MINOR CONTOUR LINE
	CURB LINE
	LIMIT OF DISTURBANCE LINE
	SILT FENCE LINES
	GUIDERAIL LINES
	MATCHLINES
	PARKING STALL STRIPE
	SWPPP (CONSTRUCTION) PHASING LINE
	PROPERTY LINE
	EDGE OF PAVEMENT LINE
	BUILDING SETBACK LINES
	EDGE OF SIDEWALK LINES
	STORM DRAIN LINES
	STRIPING LINE
	EXISTING BUILDING LINE
	EXISTING MAJOR CONTOUR LINE
	EXISTING MINOR CONTOUR LINE
	EXISTING CURB LINE
	EXISTING EDGE OF PAVEMENT LINE
	ADJACENT PROPERTY LINE
	EXISTING PROPERTY LINE

CATCH BASIN  
YARD DRAIN  
RETAINING WALL LINES (HATCH 135)  
EDGE OF PAVEMENT WITH CURB  
LIGHT POLE  
SIGN & POST  
FIRE HYDRANT  
UTILITY POLE  
DECIDUOUS TREE LANDSCAPE SYMBOL  
EVERGREEN TREE LANDSCAPE SYMBOL  
SHRUB PLANTING LANDSCAPE SYMBOL  
SHRUB PLANTING LANDSCAPE SYMBOL



The map shows a section of Chicago with the following features:

- Streets:** Dubois Street, West Street, Bloom Street, Grand Street, South Street Extension.
- Churches:** First Presbyterian Church of Marquette, Church of St. Mary, Church of Our Lady.
- Public Buildings:** Free Library, Dock Office.
- Lot Dimensions and Areas:** Various lot numbers (e.g., 23, 25.11, 22, 21, 20, 18) and their corresponding dimensions and areas are provided.
- Highlighted Site:** A lot bounded by Dubois Street to the north, West Street to the west, and Bloom Street to the south is highlighted with a black rectangle and labeled "SITE" with an arrow.

SCALE: 1" = 50'

1. TAX MAP IDENTIFICATION NUMBER: SECTION 10B BLOCK 4 LOT(S) 17, 18, 19, 20.
2. TOTAL AREA OF SUBJECT PARCEL: 1.72z ACRES.
3. BOUNDARY AND PLANIMETRIC INFORMATION BASED UPON FIELD SURVEY AS PERFORMED BY ENGINEERING & SURVEYING PROPERTIES, PC ON APRIL 16, 2025.
4. THE TOPOGRAPHY SHOWN HEREON WAS COMPILED BY ENGINEERING & SURVEYING PROPERTIES PC, AND CORRESPOND TO ACTUAL SURVEY OBSERVATIONS TAKEN IN THE FIELD. CONTOURS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988.
5. OWNER/APPLICANT: MARLBORO FREE LIBRARY  
PO BOX 780  
MARLBORO NY 12542

<u>DRAWING #</u>	<u>TITLE</u>	<u>SHEET #</u>
C-100	EXISTING CONDITIONS & DEMOLITION PLAN	1
C-101	SITE PLAN	2
C-102	GRADING AND EROSION CONTROL PLAN	3
C-301	DETAILS	4

[illegible]

DRAWING STATUS		ISSUE DATE: 05/20/2025	
THIS SHEET IS PART OF THE PLAN SET ISSUED FOR		SHEET NUMBER	
<input type="checkbox"/> CONCEPT APPROVAL	N/A	OF	N/A
<input type="checkbox"/> PLANNING BOARD APPROVAL	N/A	OF	N/A
<input type="checkbox"/> OCDOH REALTY SUBDIVISION APPROVAL	N/A	OF	N/A
<input type="checkbox"/> OCDOH WATERMAIN EXTENSION APPROVAL	N/A	OF	N/A
<input type="checkbox"/> NYSDEC APPROVAL	N/A	OF	N/A
<input type="checkbox"/> NYSDOT APPROVAL	N/A	OF	N/A
<input type="checkbox"/> OTHER:	---	OF	N/A
<input checked="" type="checkbox"/> FOR BID / CONSTRUCTION	1	OF	4

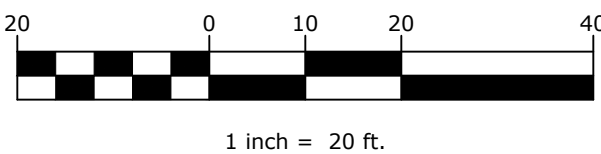
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NEW YORK LICENSE # 0800



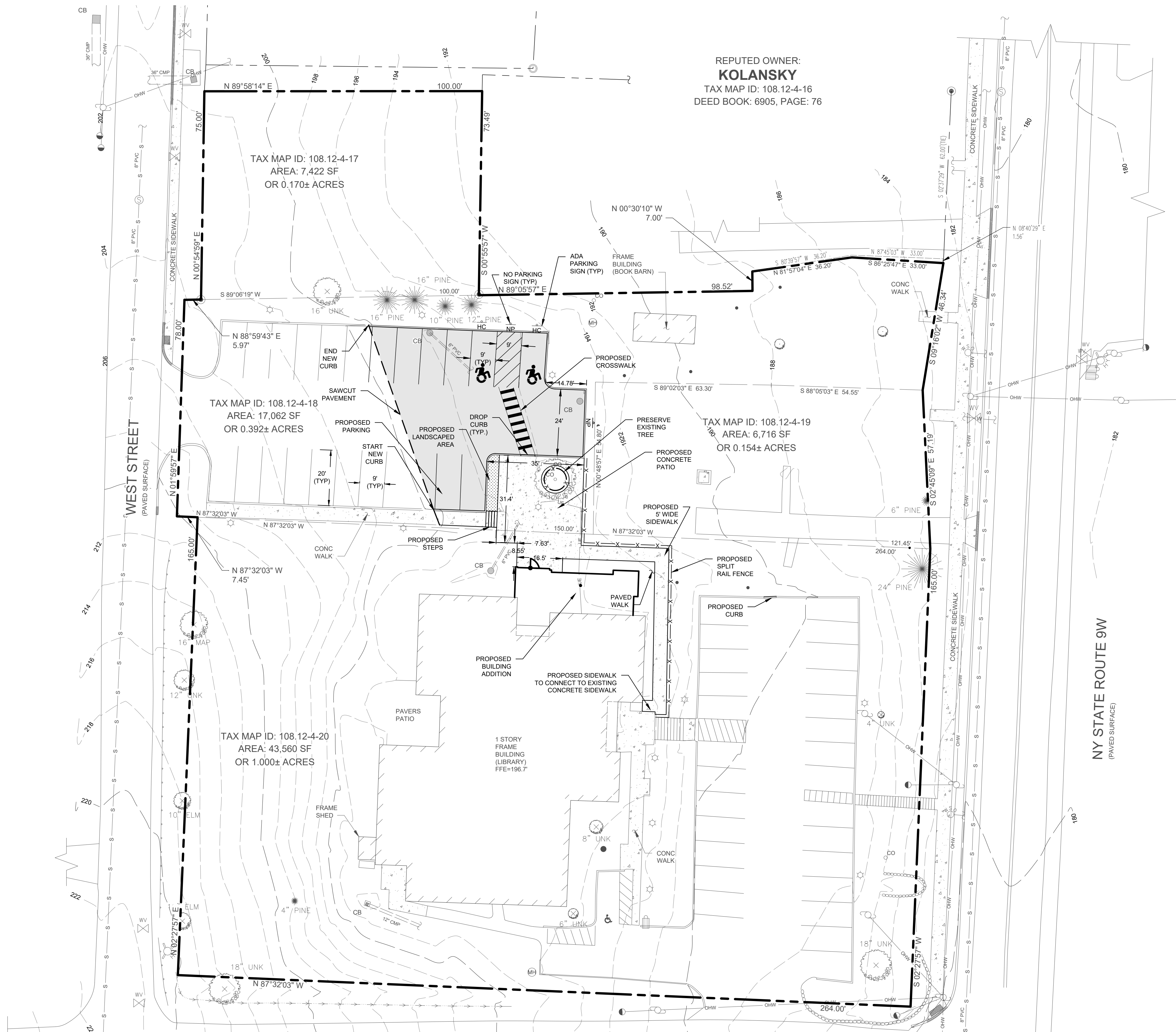
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1251 NY STATE ROUTE 9W  
TOWN OF MARLBORO  
ULSTER COUNTY, NEW YORK

JOB #:	DRAWN BY:
1120.05	SC
DATE:	SCALE:
05/20/25	1" = 20'
REVISION:	TAX LOT:
0	108.12-4-17,18,19,20

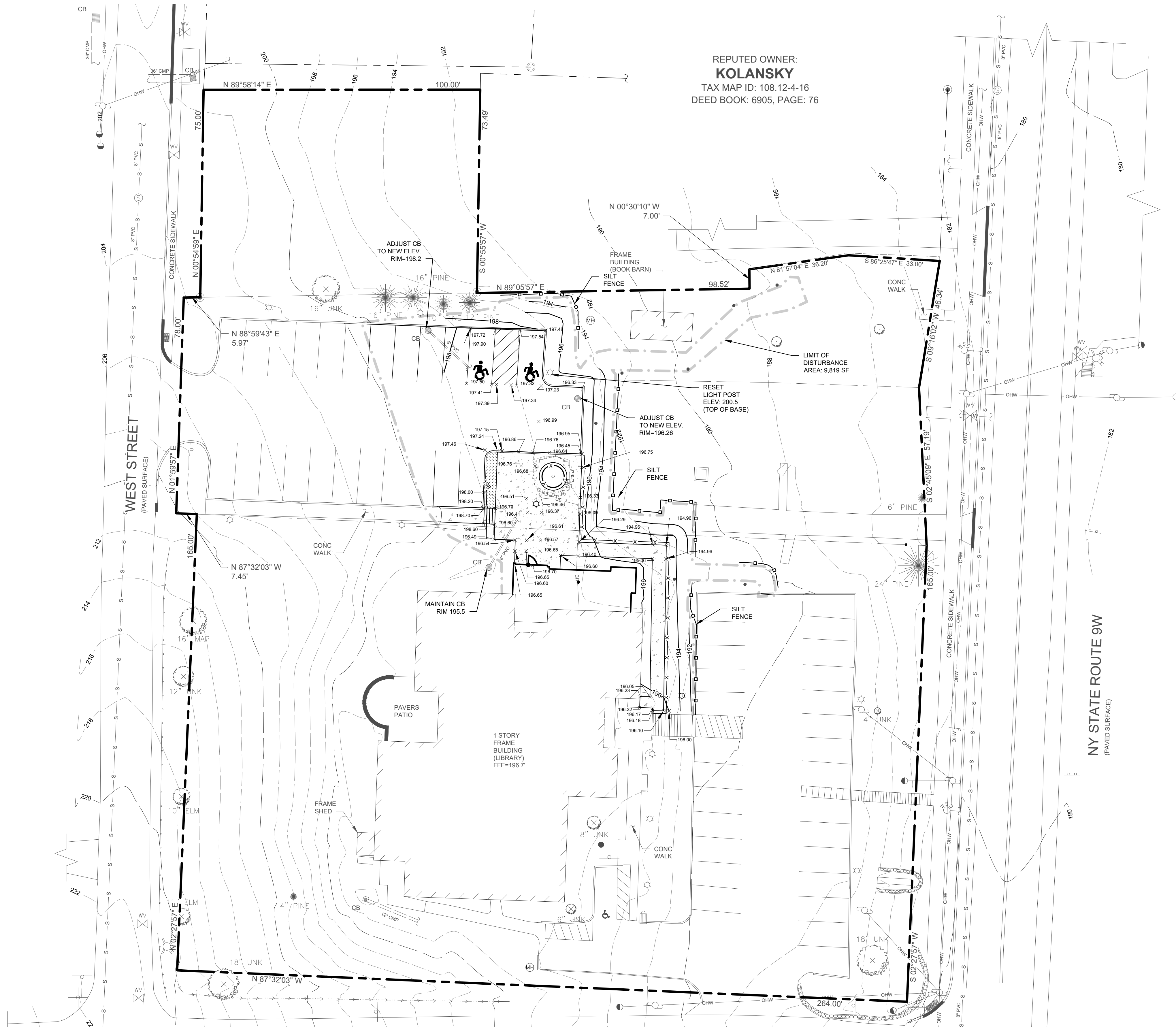
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**C-100**









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<input type="checkbox"/> PLANNING BOARD APPROVAL	N/A	OF	N/A
<input type="checkbox"/> OCDOH REALTY SUBDIVISION APPROVAL	N/A	OF	N/A
<input type="checkbox"/> OCDOH WATERMAIN EXTENSION APPROVAL	N/A	OF	N/A
<input type="checkbox"/> NYSDEC APPROVAL	N/A	OF	N/A
<input type="checkbox"/> NYS DOT WRITTEN CONSENT OF ENGINEERING SURVEYING PROPERTIES, PC. THIS SHEET SHALL BE CONSIDERED INVALID UNLESS ACCOMPANIED BY ALL SHEETS OF THE DENOTED PLAN SET(S).	N/A	OF	N/A
<input checked="" type="checkbox"/> FOR BID / CONSTRUCTION	3	OF	4

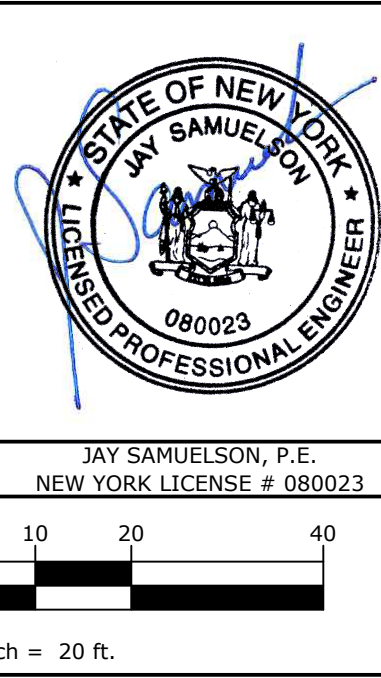
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## GRADING AND DRAINAGE PLAN

**MARLBORO FREE LIBRARY**  
**1251 NY STATE ROUTE 9W**  
**TOWN OF MARLBORO**  
**ULSTER COUNTY, NEW YORK**

JOB #:	DRAWN BY:	SC	C-102
DATE:	SCALE:	1" = 20'	
REVISION:	TAX LOT:		
	0, 18, 12, 14, 17, 18, 19, 20		







**\$100**





PROJECT :

**MARLBORO FREE  
LIBRARY  
1251 ROUTE 9W  
MARLBORO, NY**

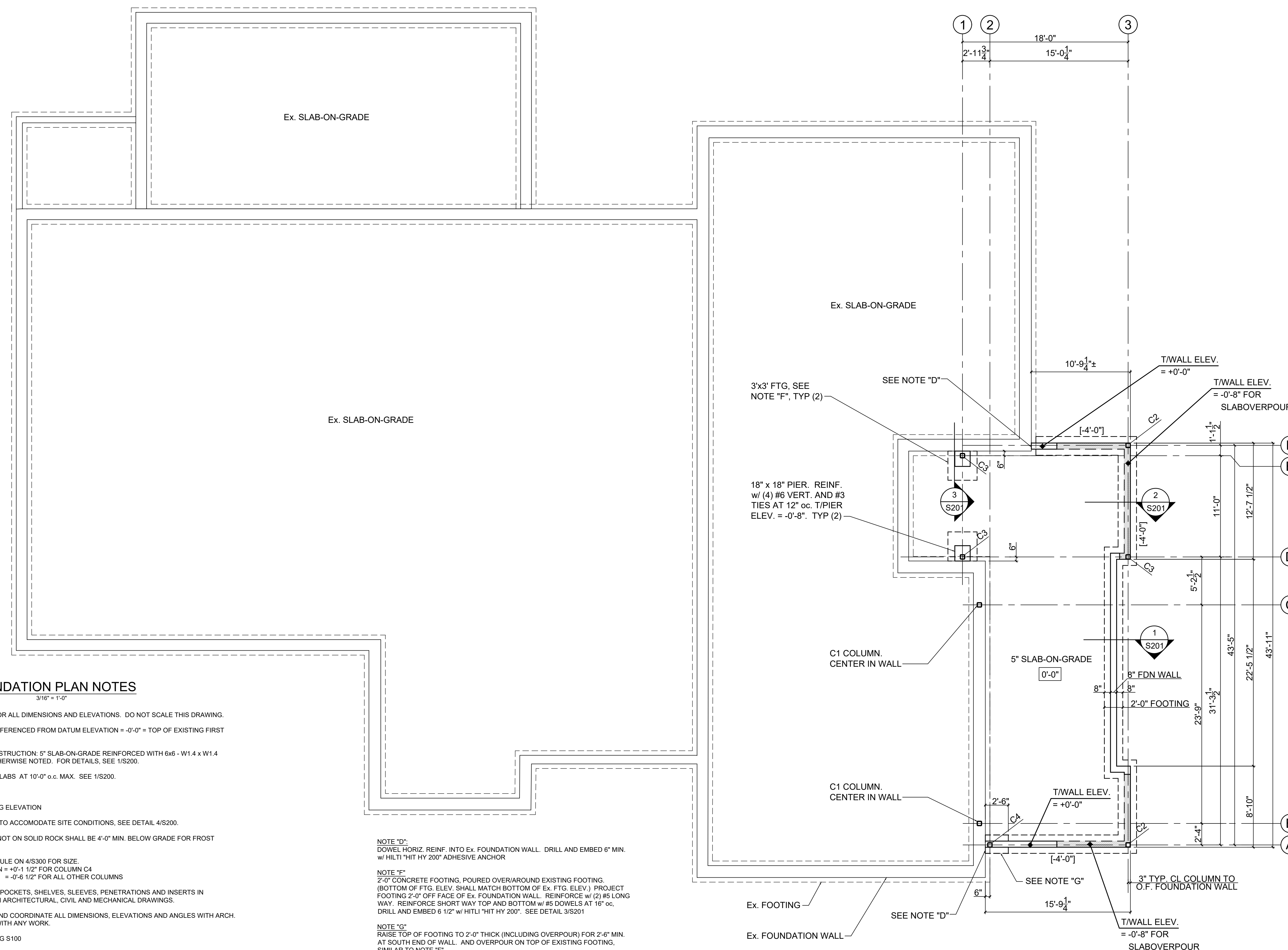
STATE OF NEW YORK  
RYAN T PRESTON  
084832-1  
LICENSED PROFESSIONAL ENGINEER

[illegible]

SCALE:  
**3/16" = 1'-0"**

SHEET NO

# S101





MAX RTU WEIGHTS	
RTU-1	1,300 LBS
RTU-2	1,300 LBS
RTU-3	1,300 LBS
RTU-4	1,300 LBS
RTU-5	1,300 LBS
RTU-6	1,300 LBS

— Ex. RTU  
SUPPORT STEEL

W8x24 LINTEL +  
L4x3 1/2 x 5/16 (LL)  
LOOSE LINTEL

SEE NOTE "P".

### ROOF FRAMING PLAN NOTES

$$\frac{3}{16}'' = 1'-0''$$

SHORE EXISTING WALL AND ROOF CONSTRUCTION ABOVE PRIOR TO CUTTING HOLES IN EXISTING WALLS FOR LINTELS.

- T/STEEL ELEVATION at ROOF ADDITION = 11'-7", U.O.N. [X'-XX"] FROM DATUM ELEVATION 0'-0"
- TOP OF STEEL ELEVATION FOR BEAMS SUPPORTING K-JOISTS SHALL BE DROPPED 2 1/2" FOR JOIST SEAT (i.e. TOP OF BEAM = 11'-4 1/2")
- T/STEEL ELEVATION MARKED (LOW) = 10'-1"

STEEL BEAMS/JOISTS SHALL BE EQUALLY SPACED BETWEEN COLUMN LINES, U.O.N. JOIST SPACING NOT TO EXCEED 4'-0" oc.

FOR FRAMING AT OPENINGS IN EXISTING MASONRY WALLS, SEE S400.

COORDINATE SIZE OF ALL ROOF PENETRATIONS WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS. ALL ROOF PENETRATIONS SHALL BE REVIEWED BY THE ENGINEER PRIOR TO FABRICATION AND INSTALLATION OF PENETRATION FRAMING ELEMENTS. DO NOT SCALE OPENINGS.

FOR GENERAL NOTES, SEE DRAWING S100

NOTE "BP":  
REMOVE Ex. FACE BLOCK AS NEEDED AND SAWCUT Ex. CMU TO CREATE BEAM  
POCKET. SEE 1/S400.

NOTE "P":  
2'-0" WIDE MIN. PIER. REINF. w/ (2) #5 VERTICAL. GROUT ALL CELLS SOLID.

NOTE "R":  
WHERE NEW FRAMED WALL INTERSECTS EXISTING MASONRY, REMOVE EXISTING  
FACE BLOCK AND PROVIDE SOLID BLOCKING BETWEEN NEW WALL AND EXISTING  
MASONRY. COORDINATE w/ ARCH.

CENTER LINTEL AND SUPPORTING  
COLUMNS IN Ex. WALL, TYP. SEE  
FOUNDATION PLAN FOR SIZE —

6"  $\nabla$  COL TO FACE  
OF EX MASONRY

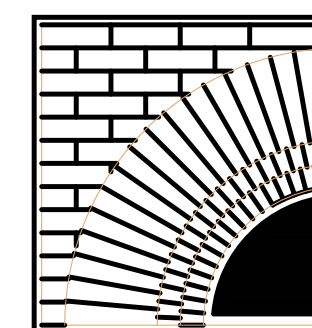
TYP, U.O.N

MAY 20, 2025

SHEET NO.



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PROJECT :

**MARLBORO FREE  
LIBRARY ADDITION  
+ RENOVATIONS**

**MARLBORO FREE  
LIBRARY  
1251 ROUTE 9W  
MARLBORO, NY**

**ISSUED FOR  
BIDDING 5/20/25**

[illegible]

**SHEET TITLE:**

## FIRST FLOOR FRAMING PLAN

SCALE:

**3/16" = 1'-0"**

DATE: \_\_\_\_\_

**MAY 20, 2025**

SHEET NO.



PLAN  
NORTH

# S102





PROJECT

**MARLBORO FREE  
LIBRARY  
1251 ROUTE 9W  
MARLBORO, NY**

[illegible]

SCALE:  
**AS NOTED**

SHEET NO

# S200

PLACEMENT LOCATION No. 1 (AS SHOWN): THIS DETAIL SHOULD BE USED WHEN THE CONSTRUCTION SEQUENCE WILL PROTECT THE SLAB BASE FROM MOISTURE INFILTRATION. FOR EXAMPLE, THE ROOF MEMBRANE IS IN PLACE PRIOR TO PLACEMENT OF CONCRETE SLAB ON GRADE.

**PLACEMENT LOCATION No. 2 (NOT SHOWN)**  
PLACE THE VAPOR BARRIER DIRECTLY UNDER THE CONCRETE SLAB ON GRADE AND OMIT THE FINE-GRADED GRANULAR MATERIAL LAYER. TOP SURFACE OF THE GRANULAR SUBBASE LAYER SHALL BE CHOKED (BUT STILL PERMITTING WATER PASSAGE) WITH FINE-GRADED GRANULAR MATERIAL TO THE SAME ELEVATION WITH SURFACE FOR THE VAPOR BARRIER. THE CONTRACTOR MUST BE AWARE THAT BY PLACING THE VAPOR BARRIER DIRECTLY BENEATH THE SLAB, THE RISK OF SLAB CURLING IS INCREASED. THE CONTRACTOR MUST PROVIDE A LOW SHRINKAGE CONCRETE MIXTURE DESIGN WITH A WATER/CEMENT RATIO NOT EXCEEDING 0.40. PROVIDE CLOSER CONTROL OF CURING THAN IS SHOWN ON THE PLANS, AND PROVIDE OTHER MEASURES TO MINIMIZE SLAB CURL.

OFF PLAN FOR CLASS

STEGO WRAP 15 MIL VAPOR  
BARRIER, SEE NOTE "A".  
LAP EDGES 24" AND TAPE  
OMIT AT EXTERIOR SLABS

SEE PLAN FOR  
REINFORCEMENT

GRANULAR SUB-BASE  
(ASTM C33 BLEND 57)

6" MIN. \_\_\_\_\_

- NATURAL "CUT" GRADE OR  
COMPACTED SUBGRADE

### SLAB ON GRADE DETAIL

FIRST POUR ————— SECOND POUR

DIAMOND SAW CUT. IN AREAS WHERE SLAB IS LEFT EXPOSED, (I.E. LEFT UNCOVERED), FILL W/ JOINT FILLER IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. —

SEE SLAB PLAN FOR CONTROL  
JOINT LOCATIONS NOTED "C.J."

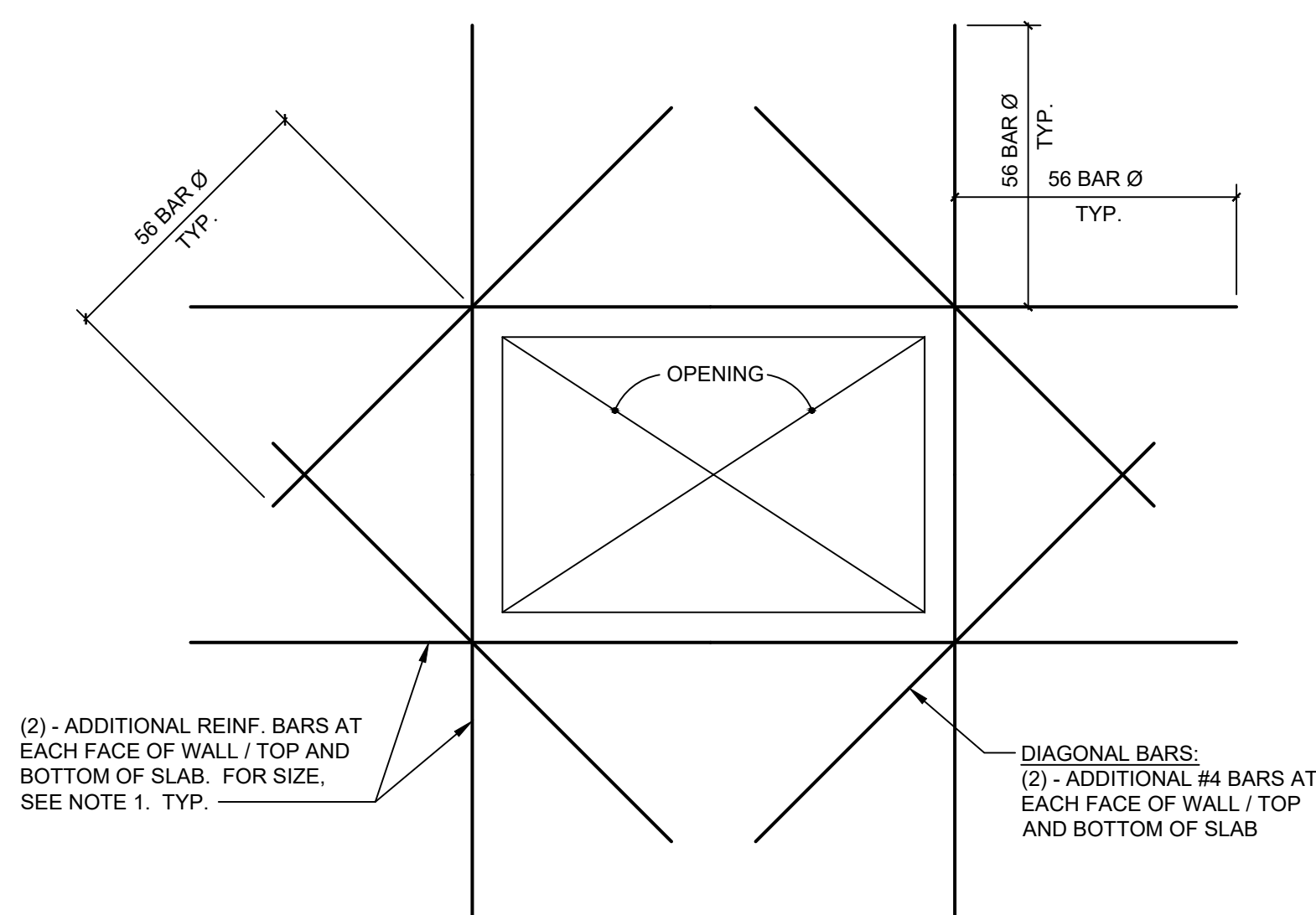
**NOTE:**  
THE SAW CUT IS TO BE PERFORMED  
UP TO 12 HOURS AFTER THE CONC. IS  
POURED. REFER TO ACI 301

CONSTRUCTION JOINTS ARE TO BE USED WHEN CONCRETE OPERATIONS ARE TO BE INTERRUPTED. CONSTRUCTION JOINTS MAY ONLY BE USED AT LOCATIONS SPECIFIED FOR CONTROL JOINTS. SEE SLAB PLAN AND DETAIL.

### CONTROL JOINT DETAIL

### SLAB ON GRADE CONSTRUCTION JOINT DETAIL

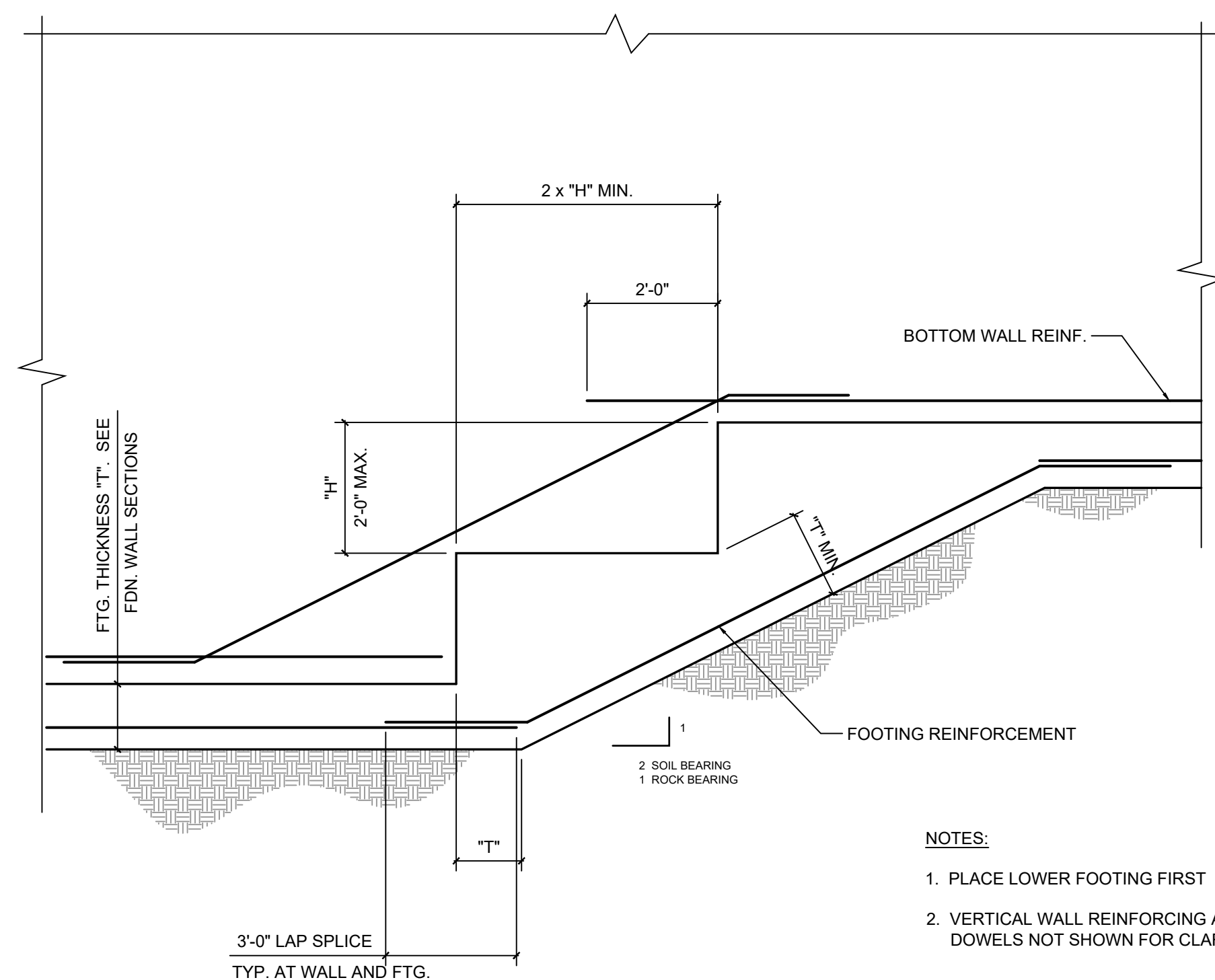
## NO SCALE



NOTES:

1. AT WALLS, ADDITIONAL REINFORCING SIZE SHALL MATCH HORIZONTAL AND VERTICAL REINFORCING. AT SLABS, USE #4 BARS
2. THIS DETAIL APPLIES AT ALL OPENINGS 1'-0" X 1'-0" AND LARGER. DETAIL IS SIMILAR AT CIRCULAR OPENINGS 1'-0" Ø AND LARGER.
3. COORDINATE ALL OPENING SIZES AND LOCATIONS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.

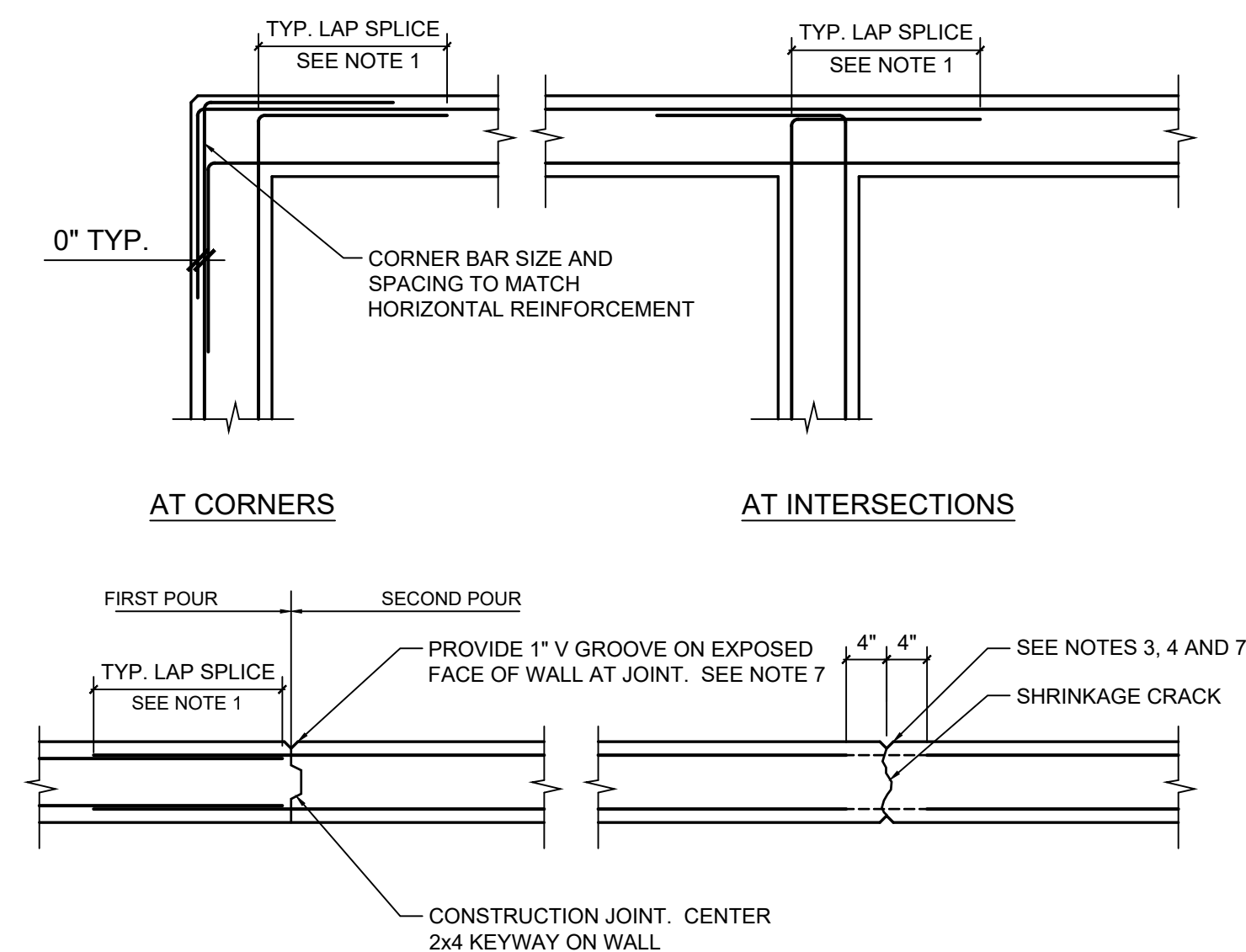
## NO SCALE



NOTES:

1. PLACE LOWER FOOTING FIRST
2. VERTICAL WALL REINFORCING AND DOWELS NOT SHOWN FOR CLARITY

## NO SCALE

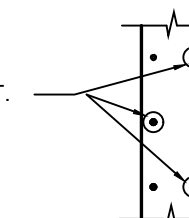


### CONSTRUCTION JOINT

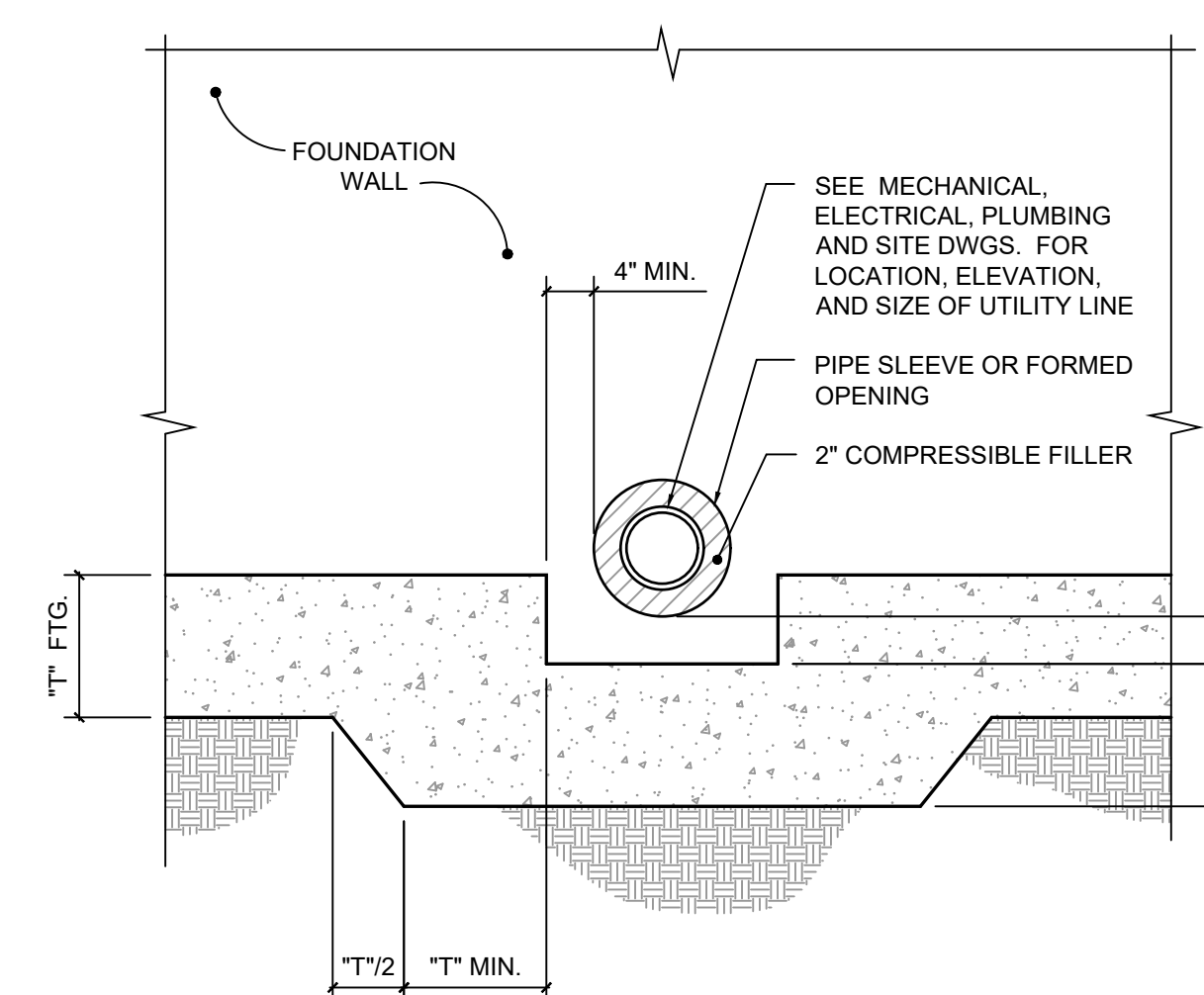
CONTROL JOINT

NOTES:

1. ALL BAR SPLICES SHALL BE CLASS "B" LAP SPLICES WITH 56 BAR DIAMETERS MINIMUM.
2. PROVIDE CONSTRUCTION JOINT AT END OF EACH DAY'S POUR OR AS REQUIRED TO LIMIT THE LENGTH OF WALL POUR TO A MAXIMUM OF 30 FEET.
3. PROVIDE CONSTRUCTION / CONTROL JOINTS AT FACE OF PIERS UNLESS OTHERWISE NOTED ON PLAN.
4. AT CONTROL JOINT, PROVIDE BEVEL JOINT T7/T10 INTO WALL SURFACE BOTH SIDES. STOP ALTERNATING HORIZONTAL REINFORCING BARS 6" SHORT OF CONTROL JOINT.
5. SEE APPROPRIATE SECTION FOR WALL REINFORCING.
6. VERTICAL REINFORCING AND/OR SUPPORT BARS NOT SHOWN FOR CLARITY.
7. PROVIDE CAULKING AT JOINTS AS PER SPECIFICATIONS.



## NO SCALE

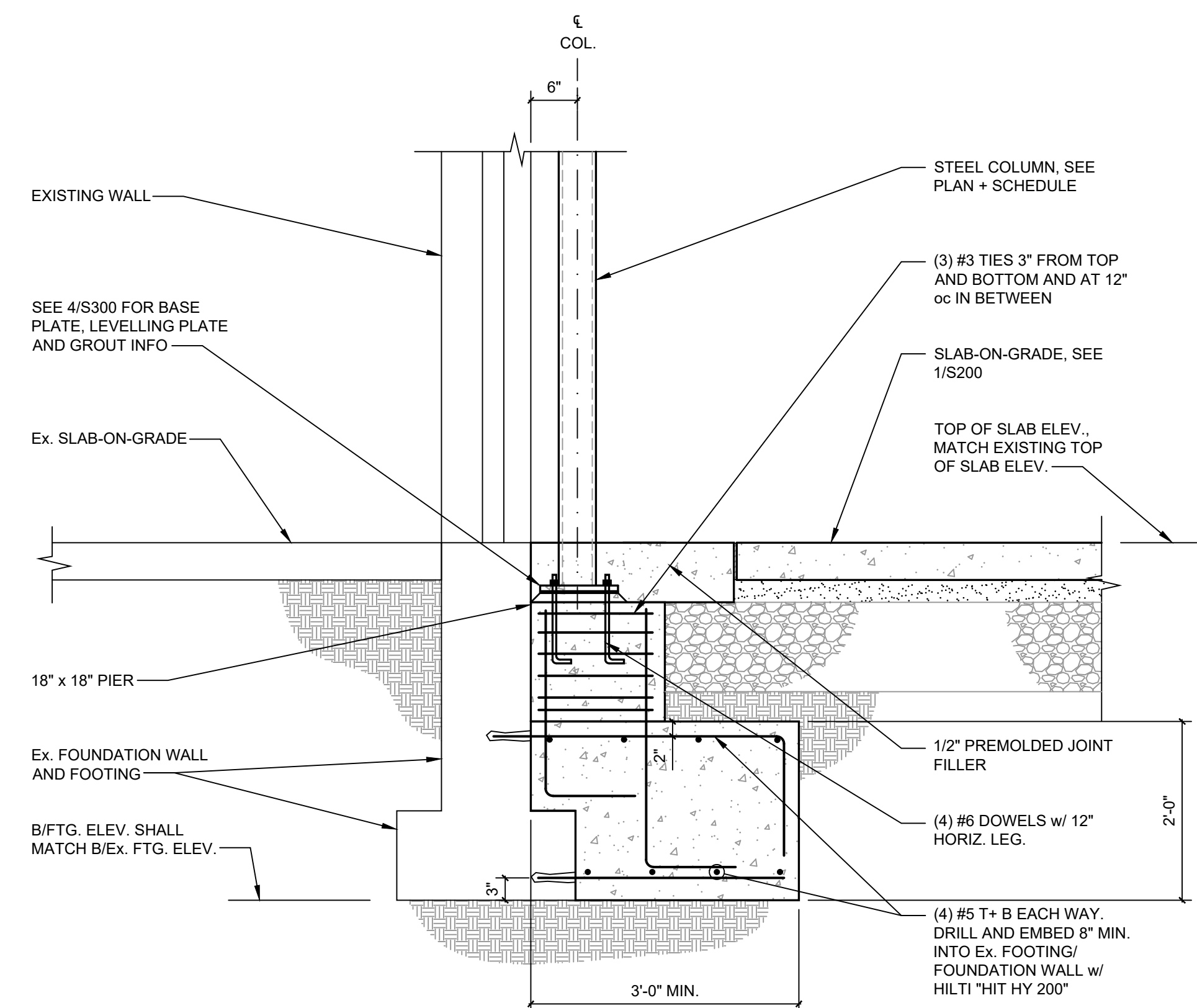
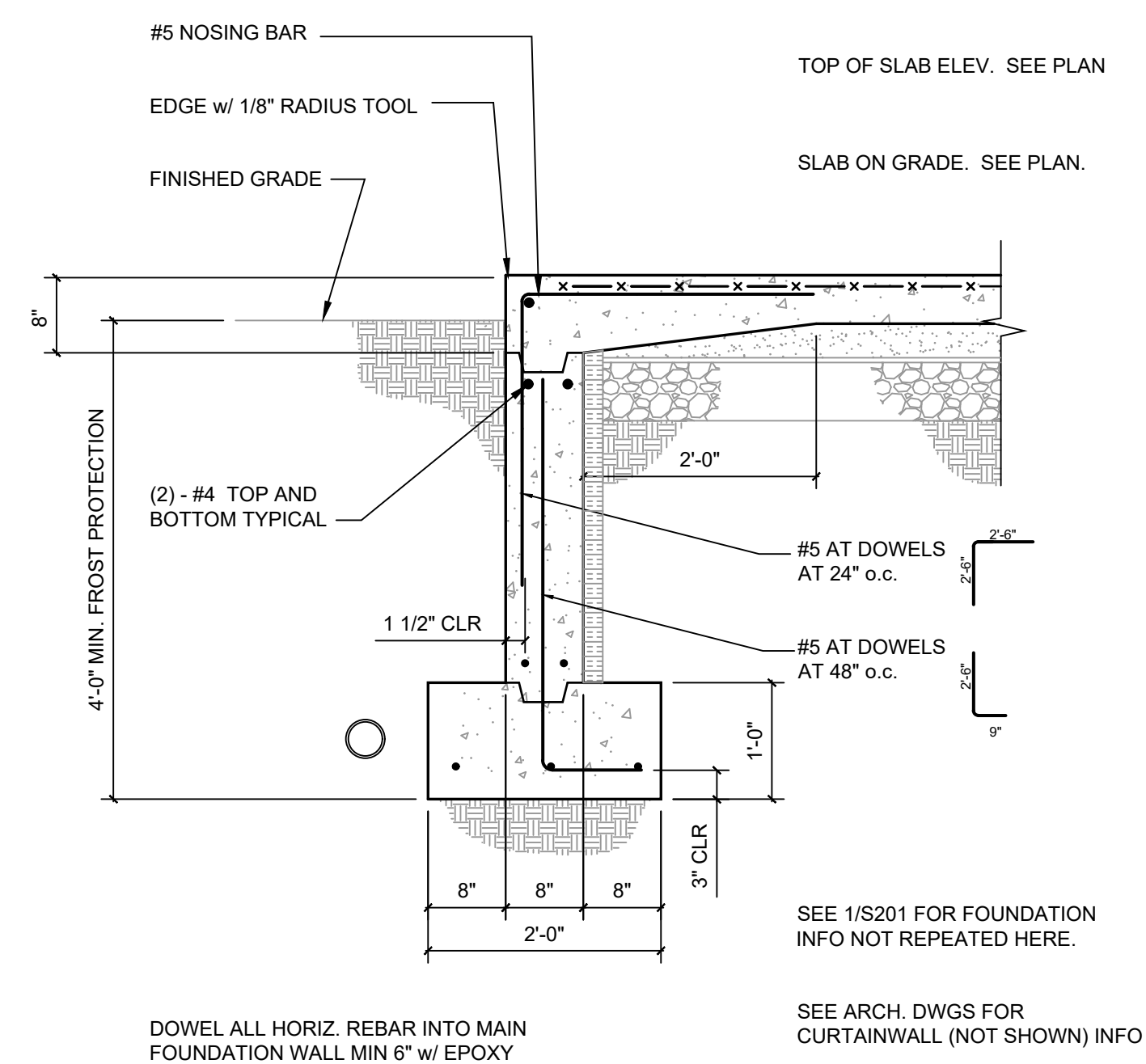
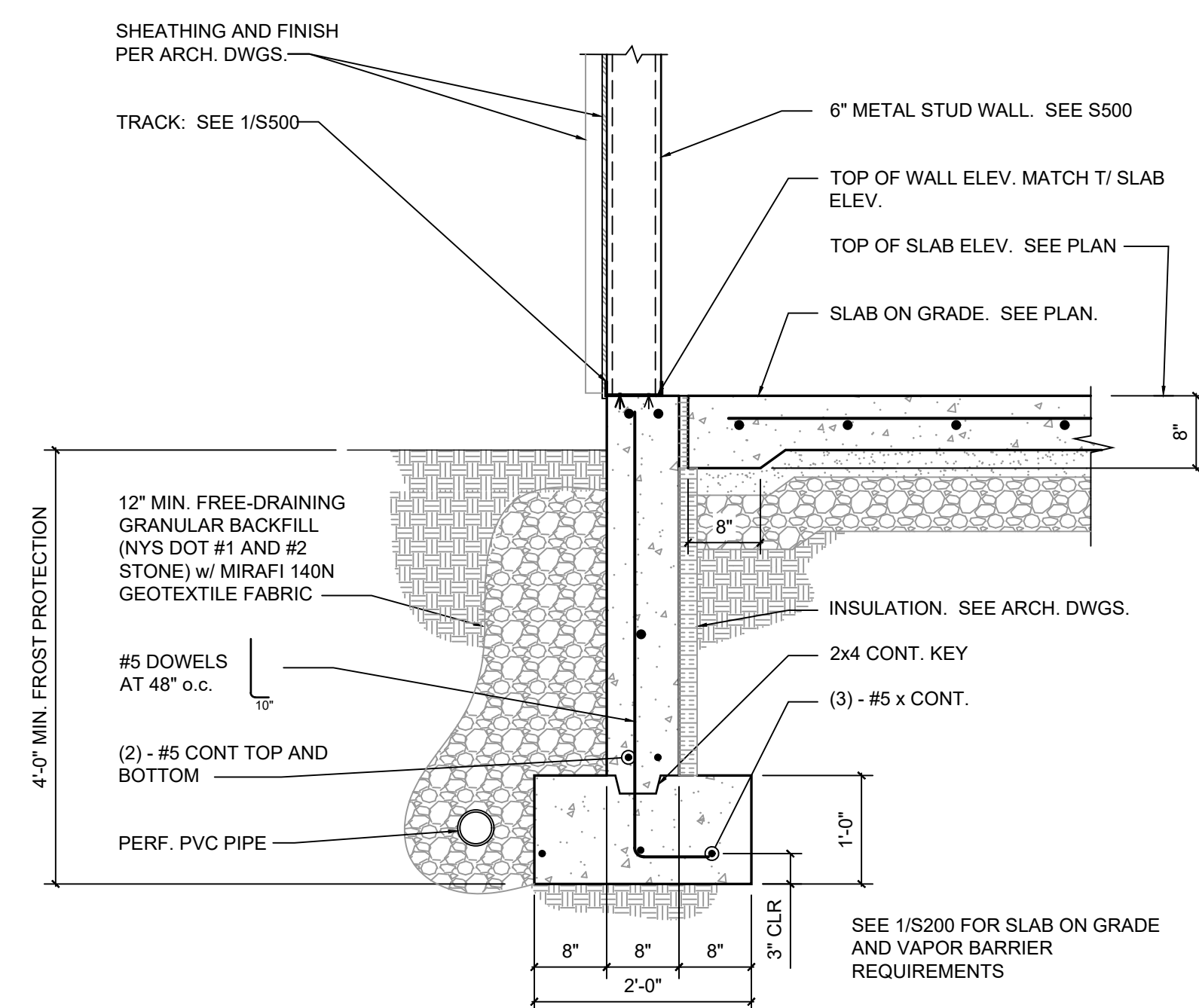


NOTES:

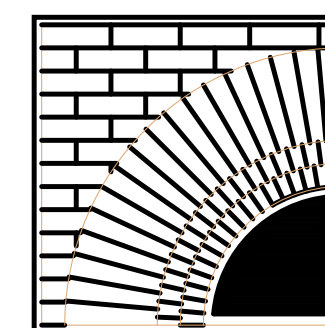
1. AT STEP FOOTING, FOR WALL AND FOOTING REINFORCING SEE "TYPICAL STEPPED FOOTING DETAIL".
2. IF REQUIRED, FOR ADDITIONAL WALL REINFORCING, SEE "TYPICAL SLAB/WALL PENETRATION REINFORCING DETAIL".

## NO SCALE





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1 AVIAN DRIVE  
EAST GREENBUSH, NY 12061  
(518) 396-9080  
[www.preston-eng.com](http://www.preston-eng.com)



57 West High Street  
Ballston Spa  
New York 12020

PROJECT :

**MARLBORO FREE  
LIBRARY ADDITION  
+ RENOVATIONS**

**MARLBORO FREE  
LIBRARY  
1251 ROUTE 9W  
MARLBORO, NY**

**ISSUED FOR  
BIDDING 5/20/25**

[illegible]

SHEET TITLE:  
**FOUNDATION  
SECTIONS  
AND DETAILS**

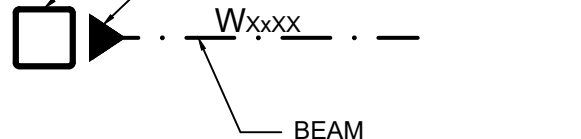
SCALE:  
**AS NOTED**

DATE:  
**MAY 20, 2025**

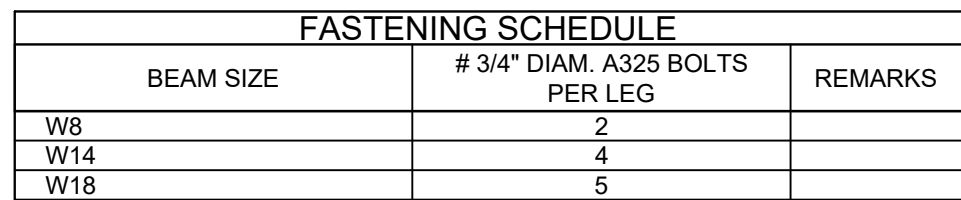
SHEET NO

# S201





## TYPICAL MOMENT CONNECTION



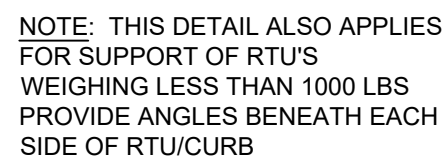
## TYPICAL SHEAR CONNECTION

## 1 TYPICAL BEAM CONNECTION DETAILS

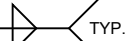


**NOTE:**  
AT THE CONTRACTOR'S OPTION, ANCHOR RODS MAY BE DRILLED AND EMBEDDED 9" MIN. INTO CONCRETE WITH HILTI "HIT HY 200" ADHESIVE ANCHORING SYSTEM.

#### 4 COLUMN SCHEDULE



ROOF OPENING DETAIL GREATER THAN 1'-4" IN SIZE  
(DECK NOT SHOWN FOR CLARITY)



ROOF OPENING DETAIL 1'-4" OR LESS IN SIZE

## 2 TYPICAL ROOF OPENING DETAIL AND RTU SUPPORT DETAIL

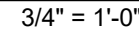


## 5 OUTRIGGER TO COLUMN CONN. DETAIL



- A WEB STIFFENER MUST BE APPLIED TO ANY JOIST BETWEEN THE CHORD WHERE THE CONCENTRATED LOAD IS APPLIED AND THE PANEL POINT OF THE OPPOSITE CHORD WHEN A CONCENTRATED LOAD IS PLACED ON THE JOIST 6" OR MORE AWAY FROM A PANEL POINT.
- CONCENTRATED LOADS INCLUDE ANGLE FRAMES FOR RTU SUPPORT
- WHEN PIPES/CONDUITS ARE LESS THAN 4" Ø, JOISTS DO NOT REQUIRE REINFORCING.

### 3 TYP. JOIST REINFORCING DETAIL



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New York 12020

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**MARLBORO FREE  
LIBRARY  
1251 ROUTE 9W  
MARLBORO, NY**

**ISSUED FOR  
BIDDING 5/20/25**

[illegible]

SHEET TITLE:  
**TYP. FRAMING  
SECTIONS  
AND DETAILS**

SCALE:  
**3/4" = 1'-0"**

DATE:  
**MAY 20, 2025**

SHEET NO.

# S300





PROJECT :

**MARLBORO FREE  
LIBRARY  
1251 ROUTE 9W  
MARLBORO, NY**

STATE OF NEW YORK  
RYAN T PRESTON  
084832-1  
LICENSED PROFESSIONAL ENGINEER

[illegible]

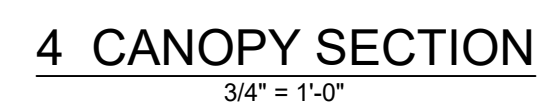
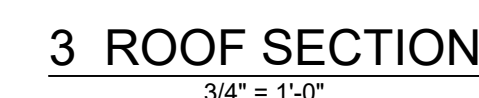
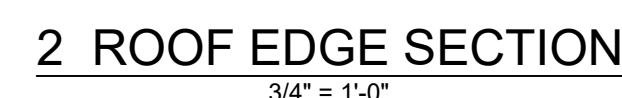
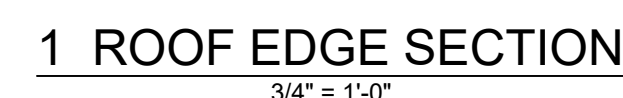
**SHEET TITLE:**

SCALE:  
**3/4" = 1'-0"**

DATE:  
**MAY 20, 2025**

SHEET NO.

# S301





WHERE BEAM FLANGE WIDTH IS 6 1/2" OR LESS, PROVIDE TOP PLATE: 1/4" x 7" x CONT.

STEEL LINTEL

1/4 2-12

STEEL BEAM, STEEL PLATE + CMU WALL

SET TOP OF STEEL ELEVATION IN MORTAR JOINT OR AS REQUIRED FOR DOOR FRAME/MASONRY OPENING

AFTER BEAM IS INSTALLED, INFILL POCKET WITH SOLID GROUT

FILL (2) COURSES MIN. BELOW BEARING PLATE SOLID w/ NON-SHRINK GROUT

BUILDING PAPER OR OTHER GROUT STOP

EXISTING 8" CMU WALL.

- SHORE WALL PRIOR TO REMOVING MASONRY FOR NEW OPENING

L3x3x1/4 x 3" LONG, FIELD WELD TO BEAM FASTEN TO CMU WALL w/ 1/2" Ø THREADED ROD. DRILL AND EMBED 4" w/ EPOXY

1/4

BEARING PLATE: SEE SCHEDULE

3/4" MIN. GROUT BED.

HEADED STUDS, SEE SCHEDULE

SEE ARCH. DWGS FOR MASONRY OPENING SIZE

SEE WALL NOTE

T LINTEL OPTION, SEE 2/S401

W8 LINTEL BEARING DETAIL (W18 SIM.)

---

1 1/2" = 1'-0"





PROJECT :

**MARLBORO FREE  
LIBRARY  
1251 ROUTE 9W  
MARLBORO, NY**

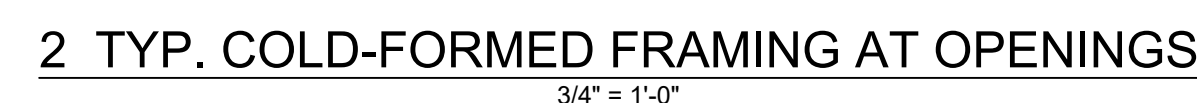
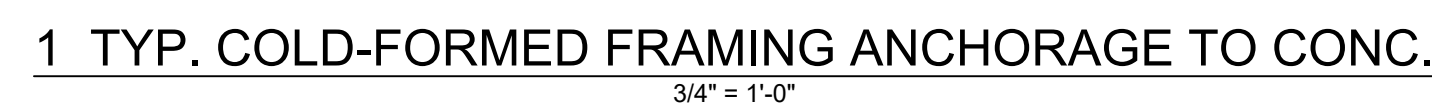
STATE OF NEW YORK  
RYAN T PRESTON  
084832-1  
LICENSED PROFESSIONAL ENGINEER

[illegible]

SCALE:  
**AS NOTED**

SHEET NO

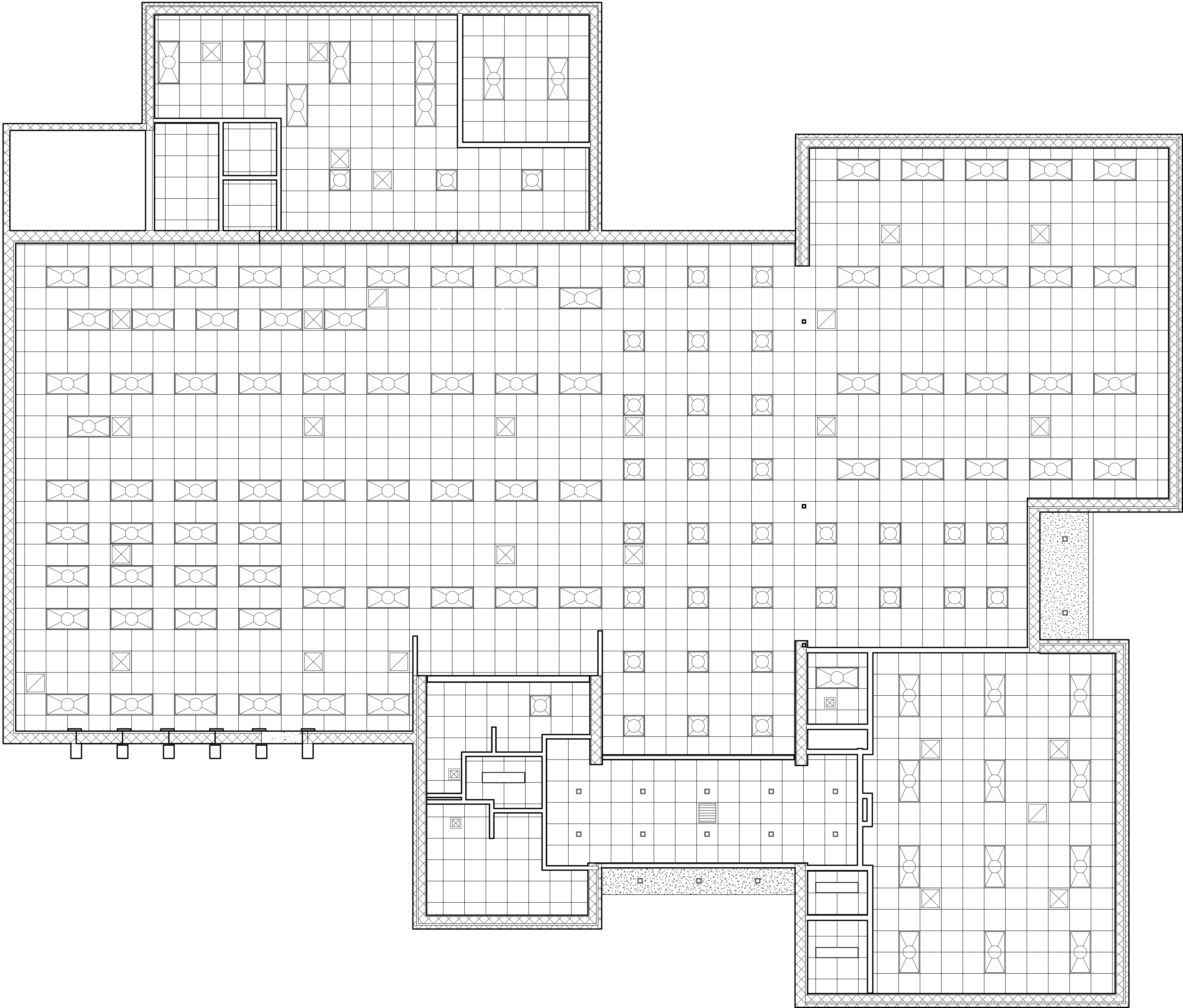
# S500











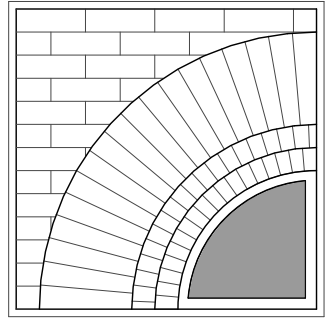
EXIST CONDIONS & REMOVALS  
REFLECTED CEILING PLAN  
3/16" = 1'-0"

- GENERAL REMOVAL NOTES
- ALL FINISH CEILING SYSTEMS TO BE REMOVED IN ENTIRETY; COORD. w/ M & E DRAWINGS
  - ALL MECHANICAL SYSTEM DIFFUSERS AND ETC. TO BE REMOVED; COORD. w/ M DRAWINGS
  - ALL LIGHT FIXTURES TO BE REMOVED; COORD. w/ M DRAWINGS
  - REFER TO E DRAWINGS FOR FIRE ALARM, SECURITY SYSTEM, AND OTHER ELECTRICAL REMOVALS WORK
  - EXACT LOCATIONS AND QUANTITIES SHOULD BE FIELD VERIFY FOR ALL SYSTEMS, DEVICES, EQUIPMENT, ETC. NOTED FOR REMOVAL

ISSUED FOR BIDDING: 5/20/25

ISSUES AND REVISIONS

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Addition & Interior  
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for the  
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Free Library**

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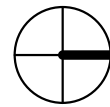
PROJECT

CONSULTANT

CONSULTANT



STAMP



CALLED NORTH

DWN. BY: MB  
SCALE: As Indicated  
JOB NO.: 23-46-06  
DATE: 03/31/25

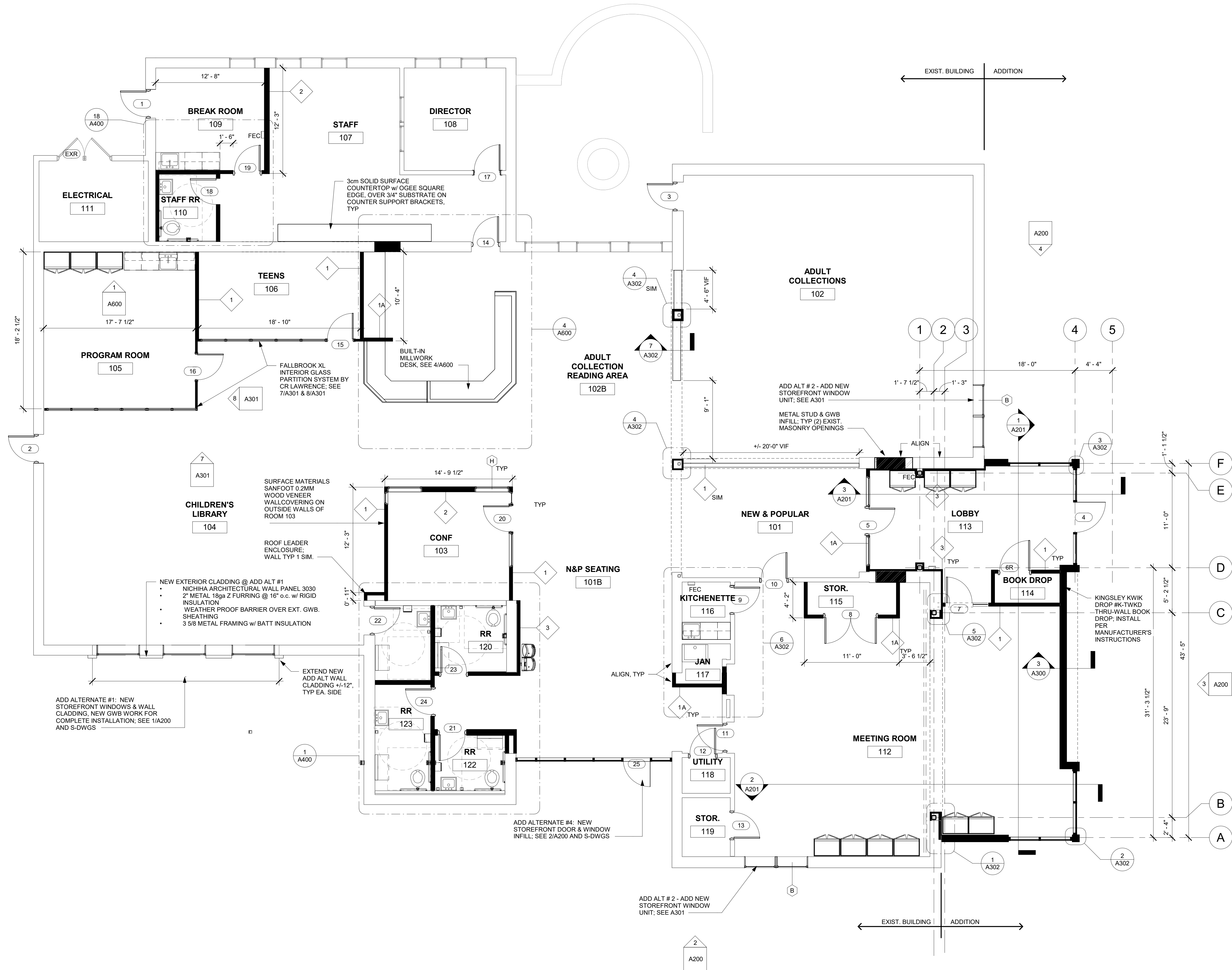
EXIST.  
REFLECTED  
CEILING PLAN  
& REMOVALS

TITLE

**AR101**

DWG. NO.





1 OVERALL FLOOR PLAN  
3/16" = 1'-0"

DRAWING SYMBOL LEGEND

101

ROOM NUMBER

01

DOOR & FRAME NUMBER  
(SEE SCHEDULE, DWG A301)  
R = 1 HOUR RATED DOOR  
ASSEMBLY

C1

WINDOW TYPE, SEE SHEET A301

A

WALL TYPE (SEE THIS DWG.)

2  
1 A00 3  
4

INTERIOR ELEVATION  
ELEVATION REF NO. 1

F.E.

SEMI-RECESSED FIRE  
EXTINGUISHER CABINET

WALL TYPES

TYPE-1

5/8" GYPSUM BOARD

3 5/8" MTL. STUD @ 16" O.C.

5/8" GYPSUM BOARD

ACOUSTIC INSULATION  
(NO INSULATION @ 1A)

TYPE-2

5/8" GYPSUM BOARD OVER 3  
5/8" ON FLAT @ 24" o.c.

EXIST. CMU WALL  
CONSTRUCTION, TYP.

TYPE-3

HP P-LAM WALL PANEL SYSTEM

5/8" M.R. GYPSUM BOARD

3 5/8" MTL. STUD @ 16" O.C.

ACOUSTIC INSULATION

TYPE-4

HP P-LAM WALL PANEL SYSTEM

5/8" M.R. GYPSUM BOARD

EXIST. WALL CONSTRUCTION

TYPE-4B

HP P-LAM WALL PANEL SYSTEM

5/8" M.R. GYPSUM BOARD

3 5/8" MTL. STUD @ 16" O.C.  
(6" @ SIM. LOCATIONS)

5/8" GYPSUM BOARD

ACOUSTIC INSULATION

TYPE-4C

HP P-LAM WALL PANEL SYSTEM

5/8" M.R. GYPSUM BOARD

3 5/8" MTL. STUD @ 16" O.C.  
(6" @ SIM. LOCATIONS)

5/8" GYPSUM BOARD

ACOUSTIC INSULATION

ISSUED FOR BIDDING: 5/20/25

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PROJECT

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STAMP

CALLED NORTH

DWN. BY: MB  
SCALE: As Indicated  
JOB NO.: 23-46-06  
DATE: 08/28/23

**OVERALL  
FLOOR PLAN**

TITLE

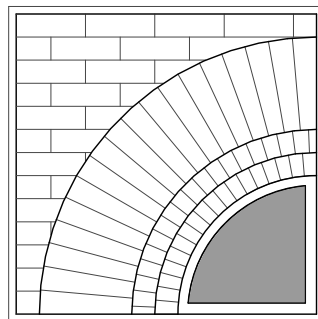
**A100**

DWG. NO.



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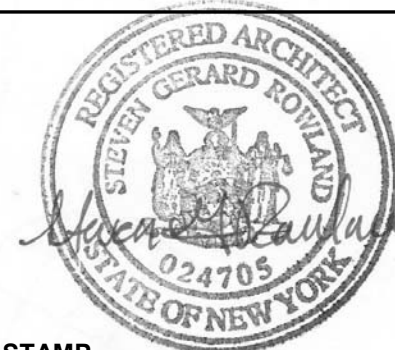
for the  
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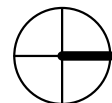
PROJECT

CONSULTANT

CONSULTANT



STAMP



CALLED NORTH

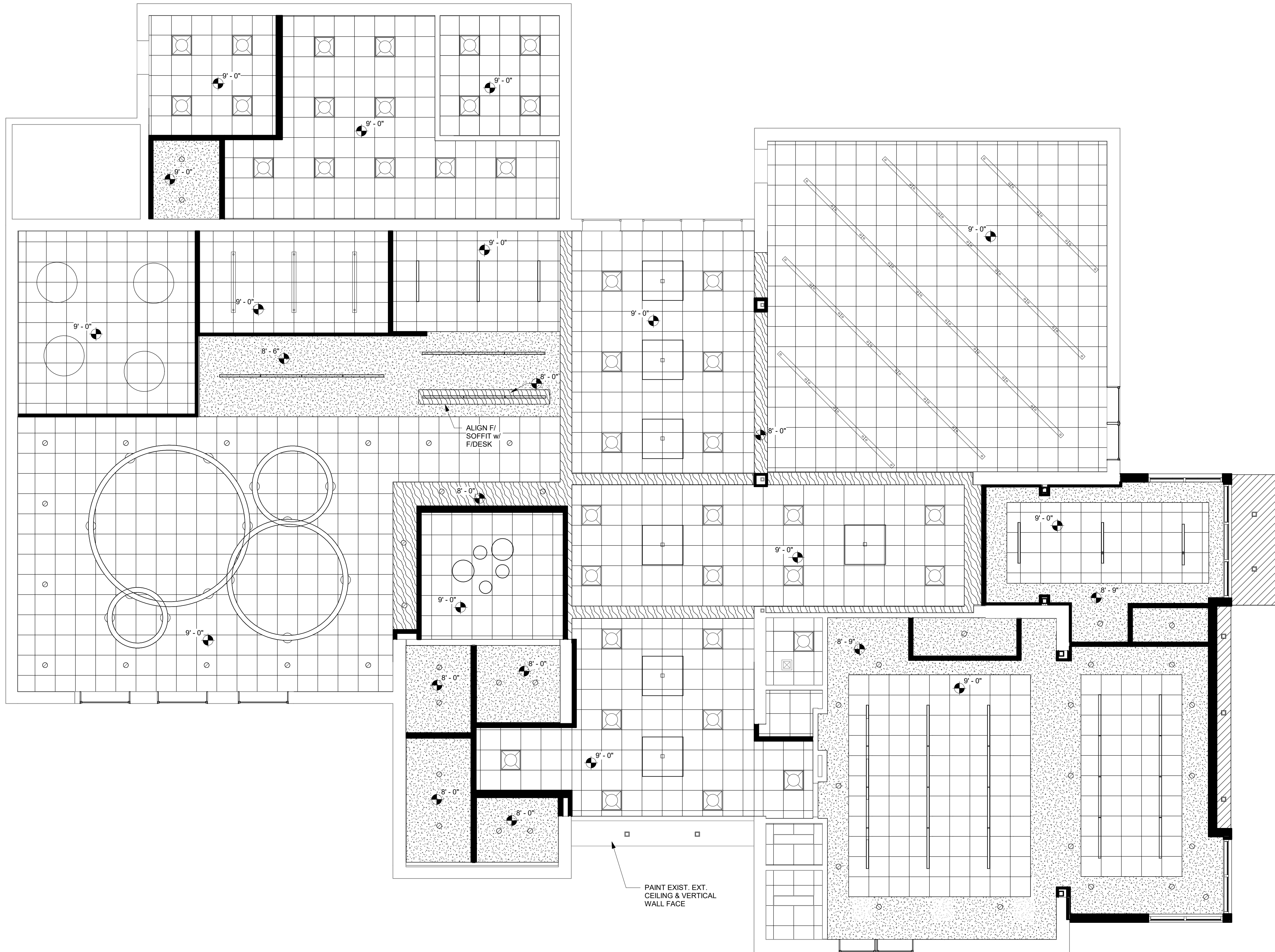
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SCALE: As Indicated  
JOB NO.: 23-46-06  
DATE: 11/08/23

REFLECTED  
CEILING PLAN

TITLE

**A101**

DWG. NO.

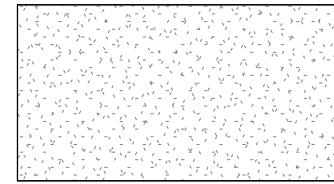


1 REFLECTED CEILING PLAN  
3/16" = 1'-0"

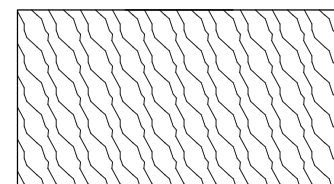
REFLECTED CEILING PLAN LEGEND



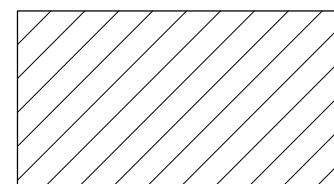
NEW SUSPENDED  
ACOUSTIC CEILING  
2x2 GRID



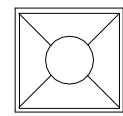
GWB SOFFIT



GWB SOFFIT w/ SURFACE  
MATERIALS SANFOOT  
0.2MM WOOD VENEER  
WALLCOVERING



EXTERIOR SOFFIT



24" x 24" RECESSED FIXTURE, FOR  
TYPE SEE E-DWG'S.



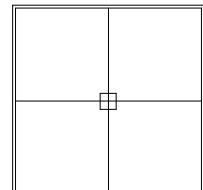
SUSPENDED LINEAR FIXTURE, FOR  
TYPE & SIZE SEE E-DWG'S.



RECESSED FIXTURE, FOR TYPE  
SEE E-DWG'S.



EXTERIOR RECESSED FIXTURE,  
FOR TYPE SEE E-DWG'S.



SUSPENDED FIXTURE, FOR TYPE  
SEE E-DWG'S.



RECESSED LED STRIP LIGHT, FOR  
TYPE SEE E-DWG'S.



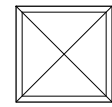
PENDANT FIXTURE, FOR  
TYPE & SIZE SEE E-DWG'S.



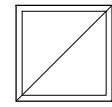
SURFACE MTD. ROUND  
FIXTURE, FOR TYPE & SIZE  
SEE E-DWG'S.



EXHAUST FAN, SEE M-  
DWG'S.



SUPPLY DIFFUSER, SEE  
M-DWG'S.



RETURN REGISTER, SEE  
M-DWG'S.



SMOKE (OR HEAT)  
DETECTOR, SEE E-DWG'S.



CARBON MONOXIDE  
SENSOR, SEE E-DWG'S.



FIRE ALARM HORN/STROBE,  
SEE E-DWG'S.



OCCUPANCY SENSOR,  
SEE E-DWG'S.



LED EMERGENCY LIGHT  
SEE E-DWG'S.

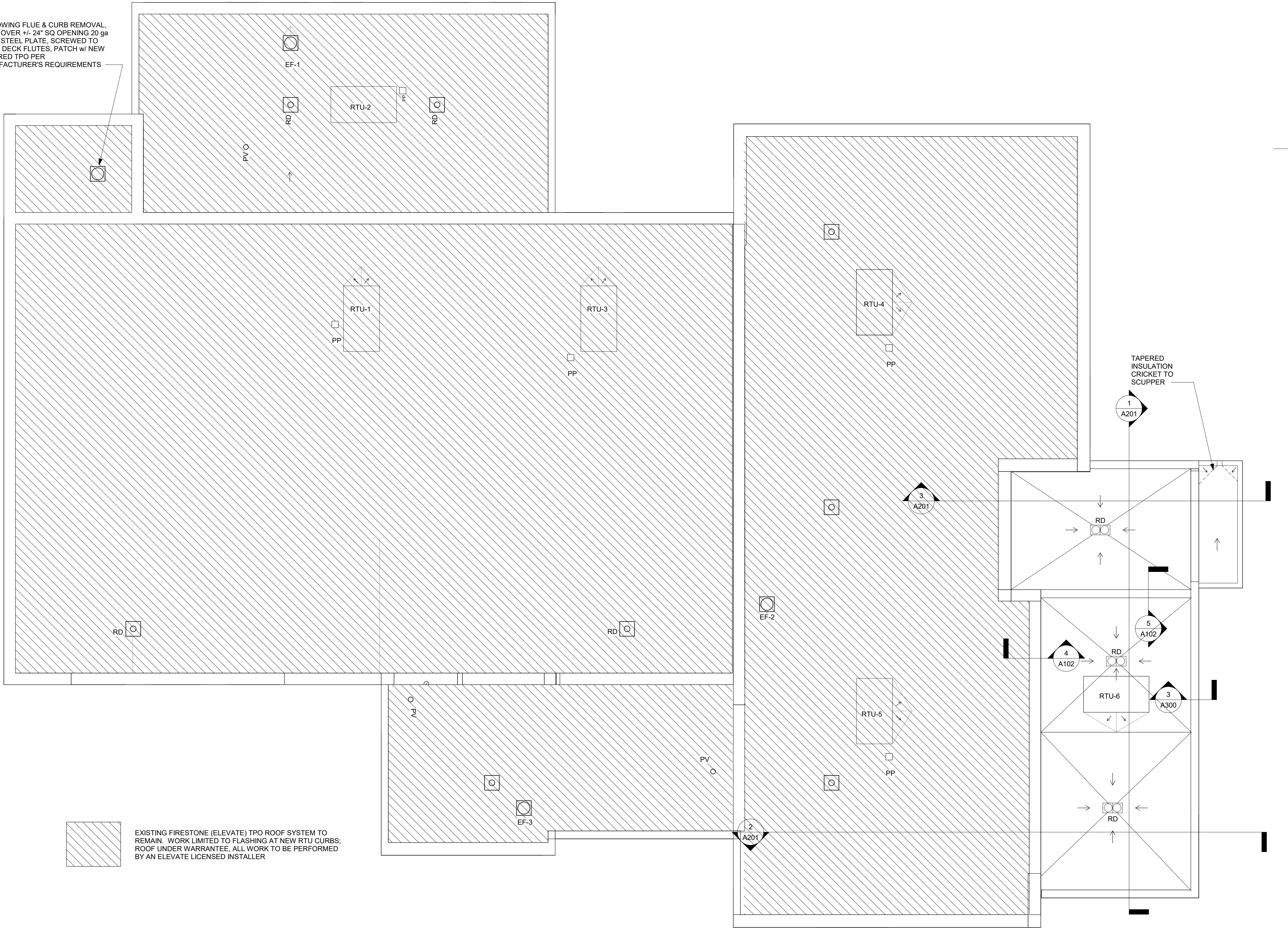


LED EXIT SIGN, SEE  
E-DWG'S.

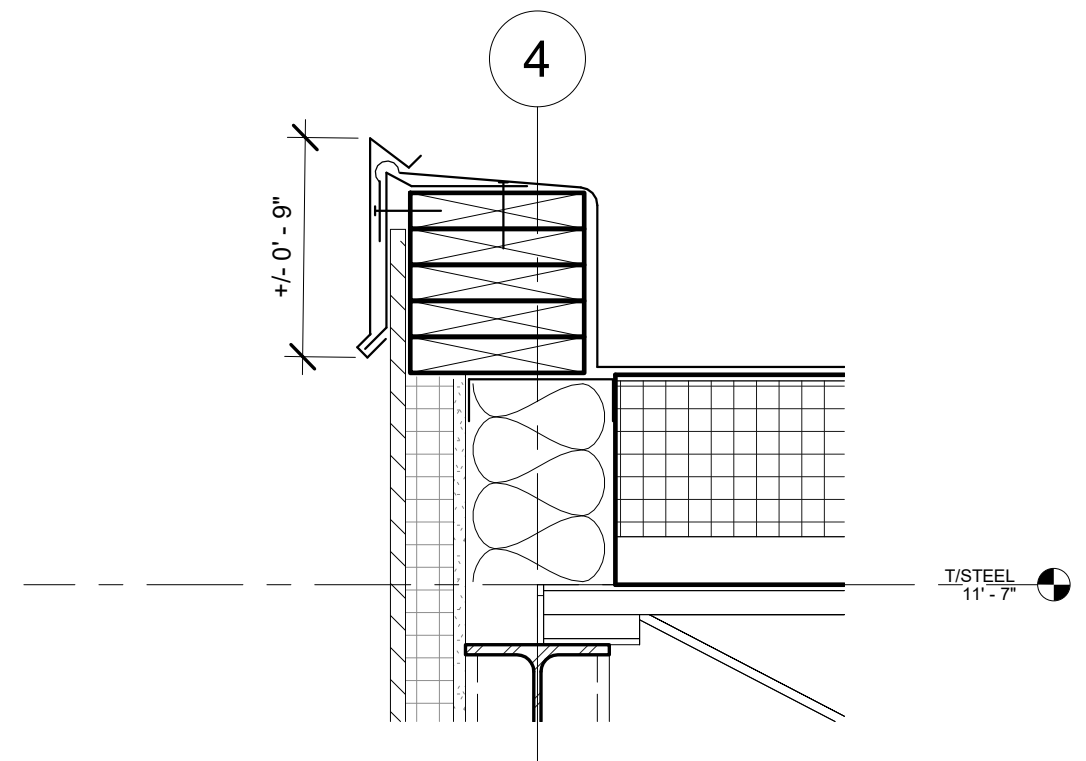
REFER TO E-DWG'S FOR DETAILED DESCRIPTIONS,  
LOCATIONS, MOUNTING HEIGHTS, ETC.



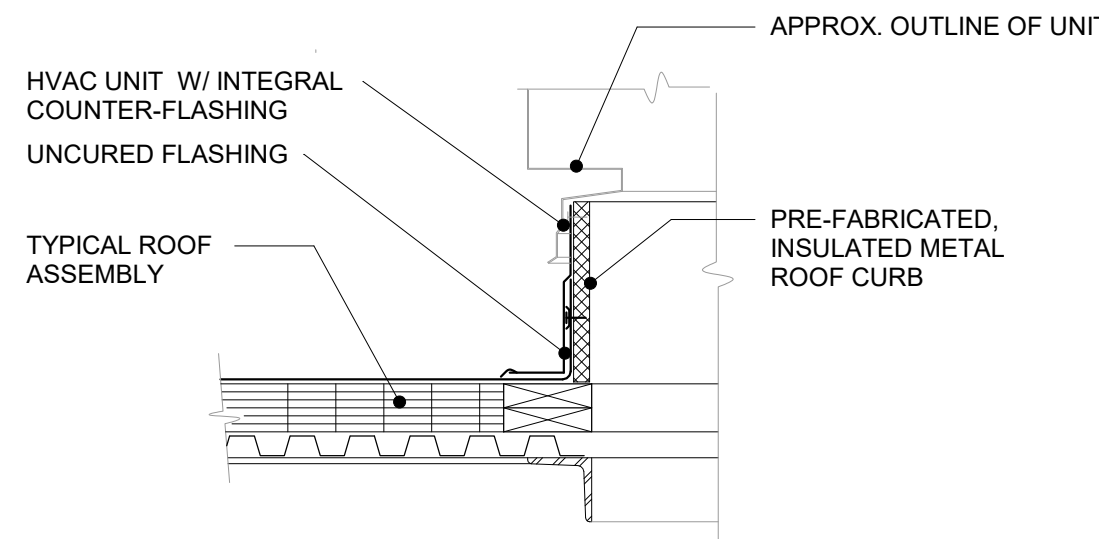
FOLLOWING FLUE & CURB REMOVAL,  
INFILL OVER +/- 24" SQ OPENING 20 ga  
GALV. STEEL PLATE, SCREWED TO  
EXIST. DECK FLUTES, PATCH w/ NEW  
ADHERED TPO PER  
MANUFACTURER'S REQUIREMENTS



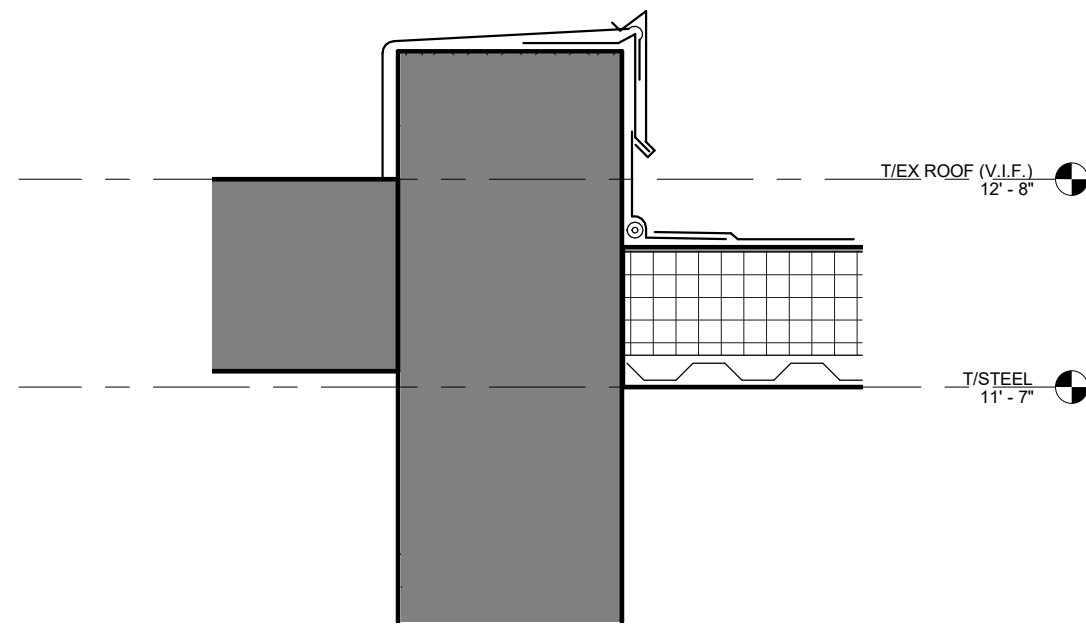
1 OVERALL ROOF PLAN  
3/16" = 1'-0"



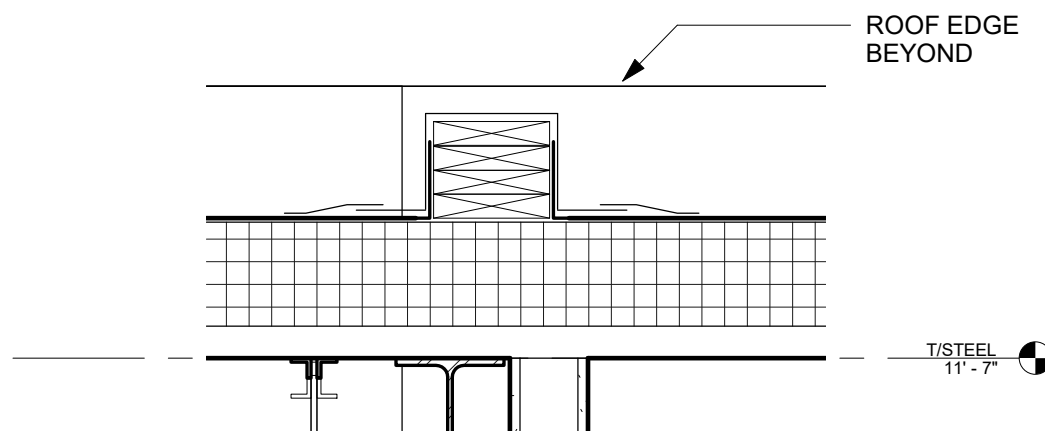
2 ROOF EDGE DETAIL  
1 1/2" = 1'-0"



3 ROOF CURB DETAIL  
1" = 1'-0"



4 EXIST. ROOF TRANSITION DETAIL  
1" = 1'-0"

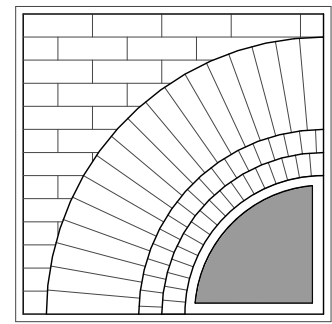


5 ROOF TRANSITION DETAIL  
1" = 1'-0"

ISSUED FOR BIDDING: 5/20/25

#### ISSUES AND REVISIONS

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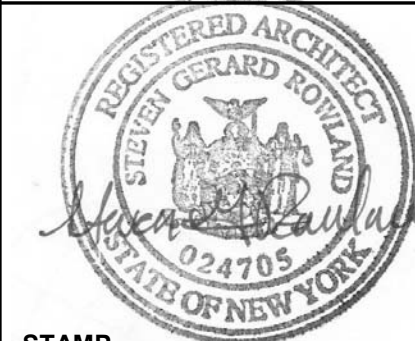
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1251 Rte 9W  
Marlboro, NY 12542

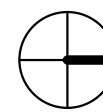
PROJECT

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DWN. BY: Author  
SCALE: As Indicated  
JOB NO.: 23-46-06  
DATE: 03/06/25

**ROOF PLAN &  
DETAILS**

TITLE

**A102**

DWG. NO.



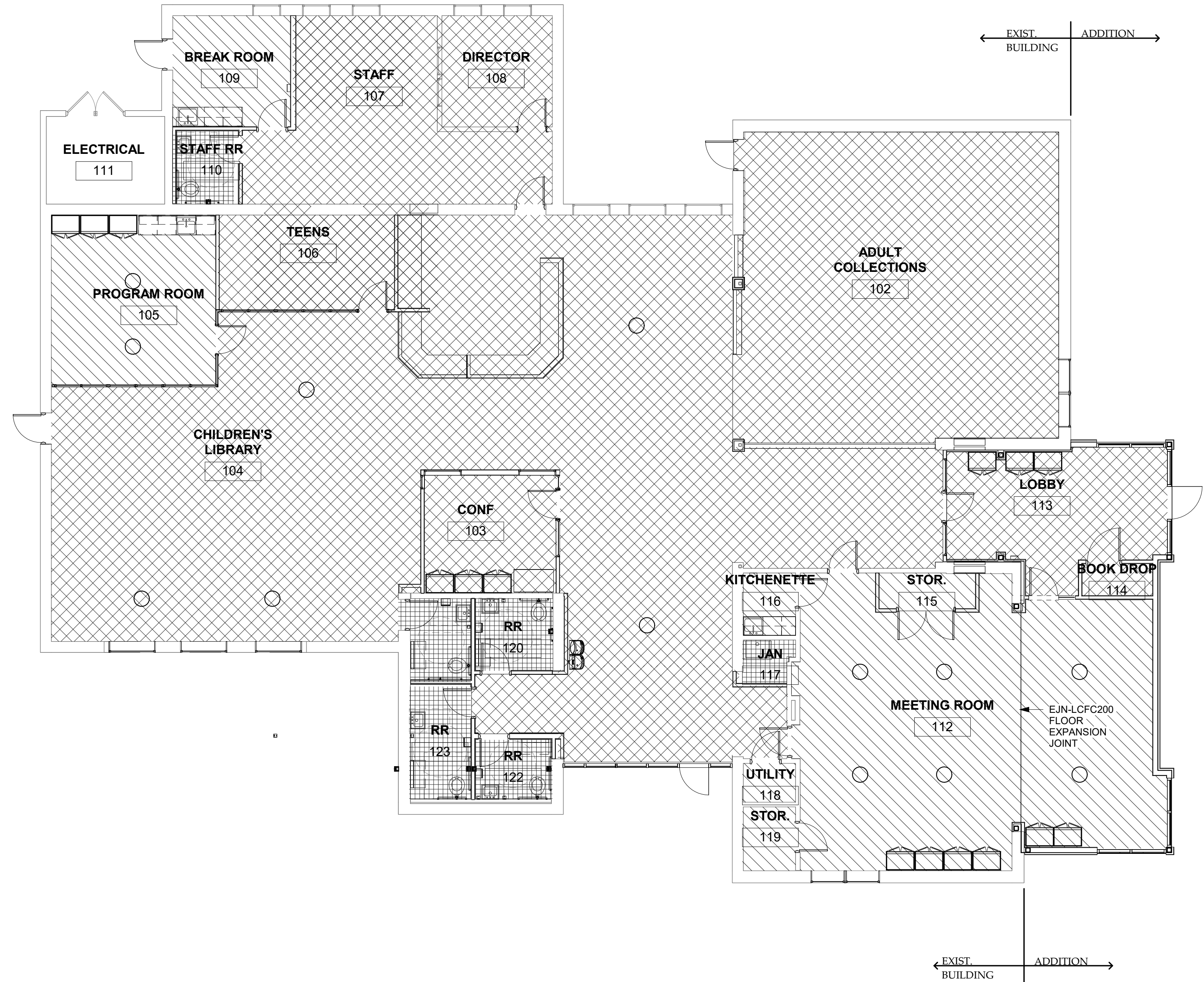
ROOM NAME															
ROOM NO	ROOM NAME	FLOOR	BASE	WALLS								PAINT	CEILING		REMARKS
				NORTH		EAST		SOUTH		WEST			WALLS	TYPE	
				MAT.	FIN.	MAT.	FIN.	MAT.	FIN.	MAT.	FIN.				
100	CIRC DESK	CPT	RB	GWB	PT	GWB	PT	GWB	PT	GWB	PT		GWBA/CT	PT/FF	
101	NEW & POPULAR	CPT	RB	GWB	PT	GWB	PT	GWB	PT	GWB	PT				
101B	N&P SEATING	CPT	RB	GWB	PT	GWB	PT	GWB	PT	EX	PT				
102	ADULT COLLECTIONS	CPT	RB	EX	PT	EX/GWB	PT	GWB	PT	EX	PT		ACT	FF	
102B	ADULT COLLECTION READING AREA	CPT	RB	EX/GWB	PT	GWB	PT	GWB	PT	EX	PT				
103	CONF	CPT	RB	GWB	PT	GWB	PT	GWB	PT	GWB	PT		ACT	FF	
104	CHILDREN'S LIBRARY	CPT	RB	GWB	PT	EX/GWB	PT	EX	PT	GWB	PT		ACT	FF	
105	PROGRAM ROOM	LVT	RB	GWB	PT	GWB	PT	EX	PT	GWB	PT		ACT	FF	
106	TEENS	CPT	RB	GWB	PT	GWB	PT	GWB	PT	EX	PT		ACT	FF	
107	STAFF	CPT	RB	EX	PT	EX	PT	EX/GWB	PT	EX	PT		ACT	FF	
108	DIRECTOR	CPT	RB	EX	PT	EX	PT	EX	PT	EX	FF		ACT	FF	
109	BREAK ROOM	LVT	RB	GWB	PT	GWB	PT	EX	--	EX	FF		ACT	FF	
110	STAFF RR	CT	RB	MR/PLWC	PT/FF	MR/PLW C	PT/FF	MR/PLW C	PT/FF	MR/PLW C	PT/FF		GWB	PT	
111	ELECTRICAL	CONC	RB	EX	--	EX	--	EX	--	EX	--	--	EX		
112	MEETING ROOM	LVT	RB	GWB	PT	GWB	PT	GWB	PT	GWB	PT		GWBA/CT	PT/FF	
113	LOBBY	CPT	RB	GWB	PT	GWB	PT	GWB	PT	GWB	PT		GWBA/CT	PT/FF	
114	BOOK DROP	CPT	RB	GWB	PT	GWB	PT	GWB	PT	GWB	PT		GWB	PT	
115	STOR.	LVT	RB	GWB	PT	GWB	PT	GWB	PT	GWB	PT				
116	KITCHENETTE	LVT	RB	EX	PT	EX	PT	EX	PT	EX	PT		EX	PT	
117	JAN	CT	RB	EX/GWB	PT	GWB	PT	EX/GWB	PT		FF		EX/GWB	PT	
118	UTILITY	LVT	RB	EX	PT	EX	PT	EX	PT	EX	PT		EX		
119	STOR.	LVT	RB	EX	PT	EX	PT	EX	PT	EX	PT		EX	--	
120	RR	CT	RB	MR/PLWC	PT/FF	MR/PLW C	PT/FF	MR/PLW C	PT/FF	MR/PLW C	PT/FF		GWB	PT	
121	RR	CT	RB	MR/PLWC	PT/FF	MR/PLW C	PT/FF	MR/PLW C	PT/FF	MR/PLW C	PT/FF		GWB	PT	
122	RR	CT	RB	MR/PLWC	PT/FF	MR/PLW C	PT/FF	MR/PLW C	PT/FF	MR/PLW C	PT/FF		GWB	PT	
123	RR	CT	RB	MR/PLWC	PT/FF	MR/PLW C	PT/FF	MR/PLW C	PT/FF	MR/PLW C	PT/FF		GWB	PT	

NOTES:

- ALL FLOORING PATTERNS SHALL BE CENTERED IN ROOM UNLESS NOTED OTHERWISE. CONFIRM PATTERNS WITH ARCHITECT PRIOR TO INSTALLATION.
- SEE PLUMBING DRAWINGS FOR FLOOR DRAIN AND CLEAN-OUT INFORMATION.
- SEE ELECTRICAL DRAWINGS FOR FLOOR OUTLET INFORMATION.
- SEE SITE AND STRUCTURAL DRAWINGS FOR EXTERIOR CONCRETE SLAB DETAILS.
- ALL RUNNING TRIMS TO RECEIVE PAINT COLOR P1.
- ALL HOLLOW METAL FRAMES TO RECEIVE PAINT COLOR P2.
- ALL FINISHES TO BE CLASS A.
- ALL CARPET TO BE CLASS 1.
- ALL EXISTING WOOD TRIMS TO BE AND RECEIVE NEW TRIM PAINT COLOR 3.
- EXISTING MAIN LEVEL CEILING TO RECEIVE PAINT COLOR 4; UPPER LEVEL EXPOSED CEILING TO RECEIVE PAINT COLOR 5 & ALL EXPOSED TRUSSES TO RECEIVE PAINT COLOR 6 IN ROOM 209 AND PAINT COLOR 7 IN ALL OTHER LOCATIONS.
- PAIN
- PAINT ALL EXPOSED PLUMBING PIPING (INSULATED AND NON-INSULATED), EXPOSED FIRE PROTECTION PIPING, AND ELECTRICAL CONDUITS WITH CEILING; PAINT EXPOSED DUCTWORK - 1 ACCENT PAINT COLOR FOR SUPPLY AND 1 ACCENT PAINT COLOR FOR RETURN.

KEY:

ACT	ACOUSTIC CEILING TILE	FF	FACTORY FINISH
CPT	CARPET TILE (SEE SPECIFICATION FOR PRODUCT SELECTION)	RB	RESILIENT BASE
MR	MOISTURE RESISTANT GWB	GWB or G	GYPSUM WALL BOARD
CT	CERAMIC TILE (SEE SPECIFICATION FOR PRODUCTSELECTION)	VWC	VINYL WALL COVERING
CONC or C	CONCRETE	WD	WOOD
PT or P	PAINTED	LVT	LUXURY VINYL TILE
EX	EXISTING	PLWC	PLASTIC LAMINATE WALL COVERING - WET WALL PRO BY WILSONART



FLOOR FINISH LEGEND

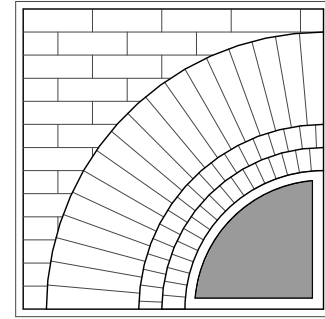
	CARPET TILE; SEE SPECIFICATION FOR STYLES & LOCATIONS
	CERAMIC TILE; SEE SPECIFICATION FOR STYLES & LOCATIONS
	LUXURY VINYL TILE; SEE SPECIFICATION FOR PRODUCT INFO
	EXIST. FLOOR TO REMAIN

NOTES:

- ELECTRICAL FLOOR BOXES, NTS

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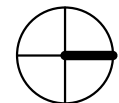
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DWN. BY: Author  
SCALE: As indicated  
JOB NO.: 23-46-06  
DATE: 03/28/19

FLOOR FINISH  
PLAN

TITLE

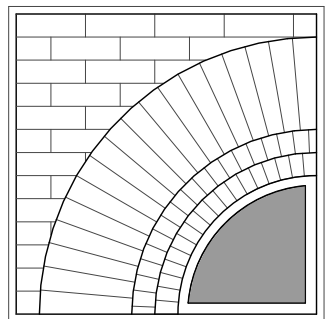
**A103**

DWG. NO.



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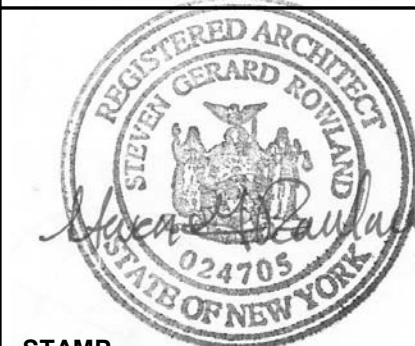
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**CONSULTANT**

**CONSULTANT**



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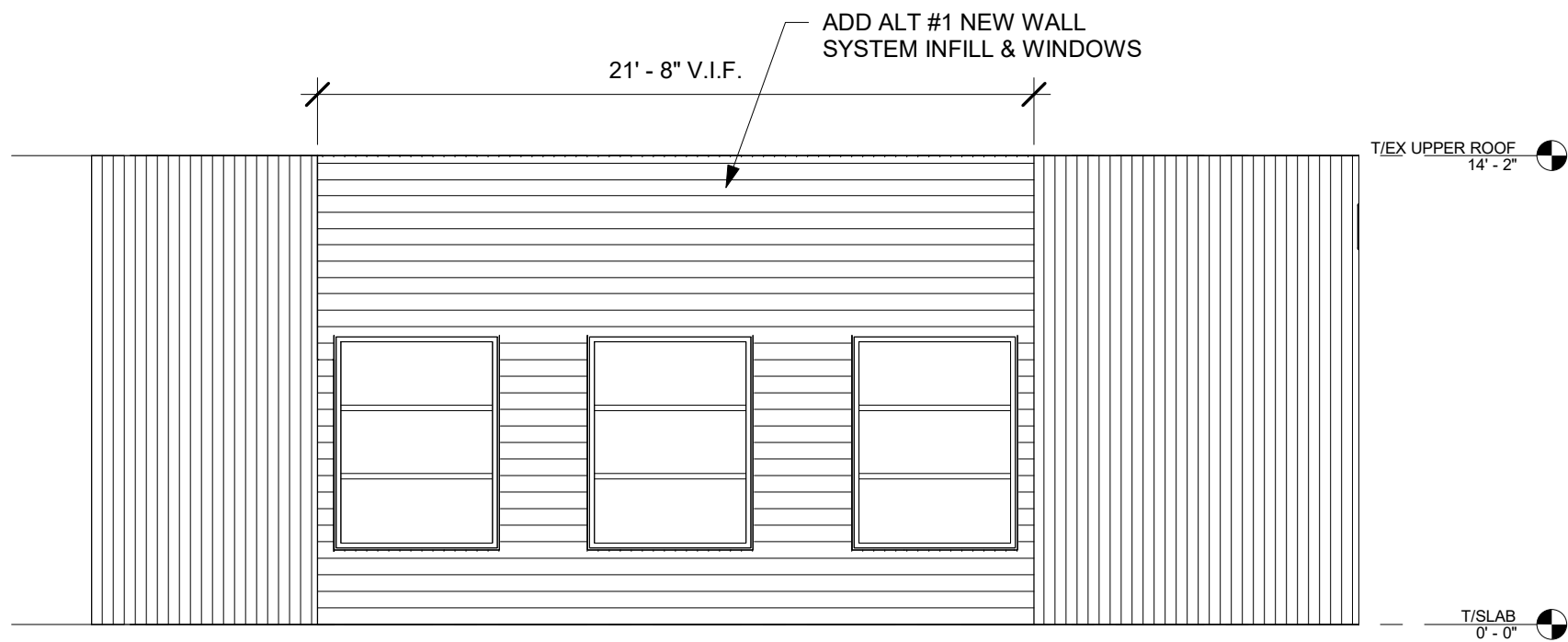
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DWN. BY: Author  
SCALE: 3/16" = 1'-0"  
JOB NO.: 23-48-08  
DATE: 11/08/23

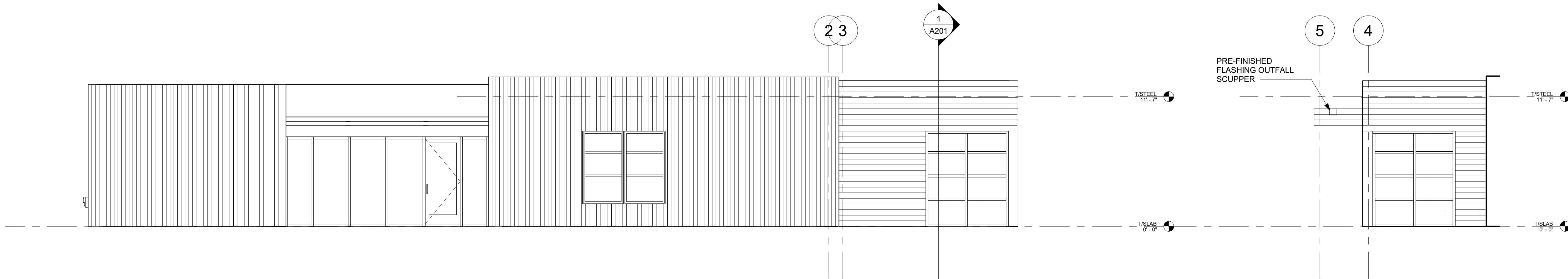
**ELEVATIONS**

**TITLE**

**A200**  
DWG. NO.

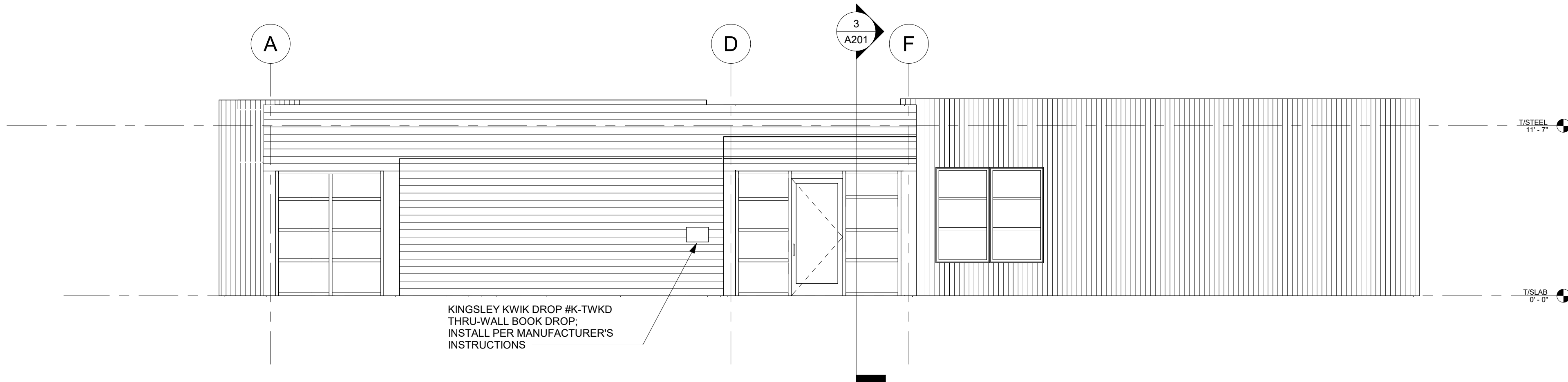


1 PARTIAL EAST ELEVATION - ADD  
ALTERNATE #1  
3/16" = 1'-0"



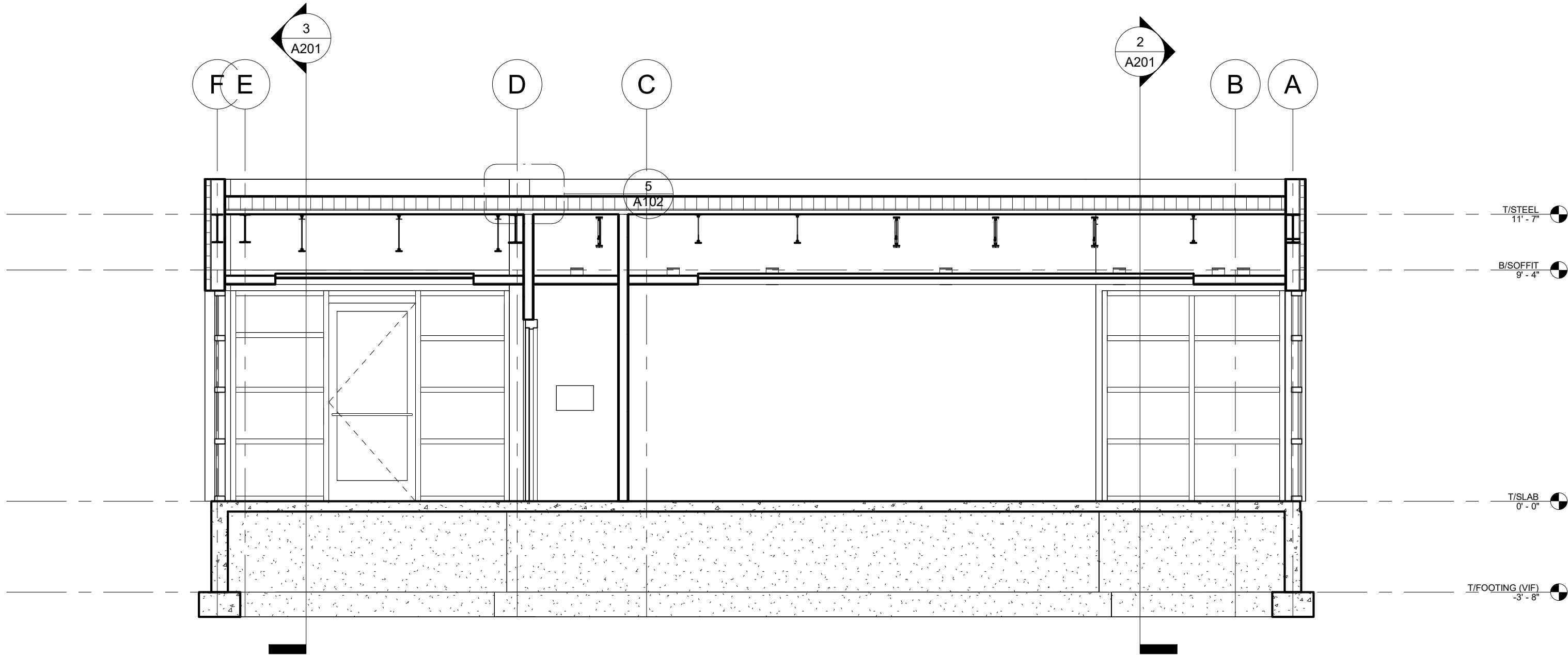
2 EAST ELEVATION  
3/16" = 1'-0"

4 PARTIAL WEST ELEVATION  
3/16" = 1'-0"

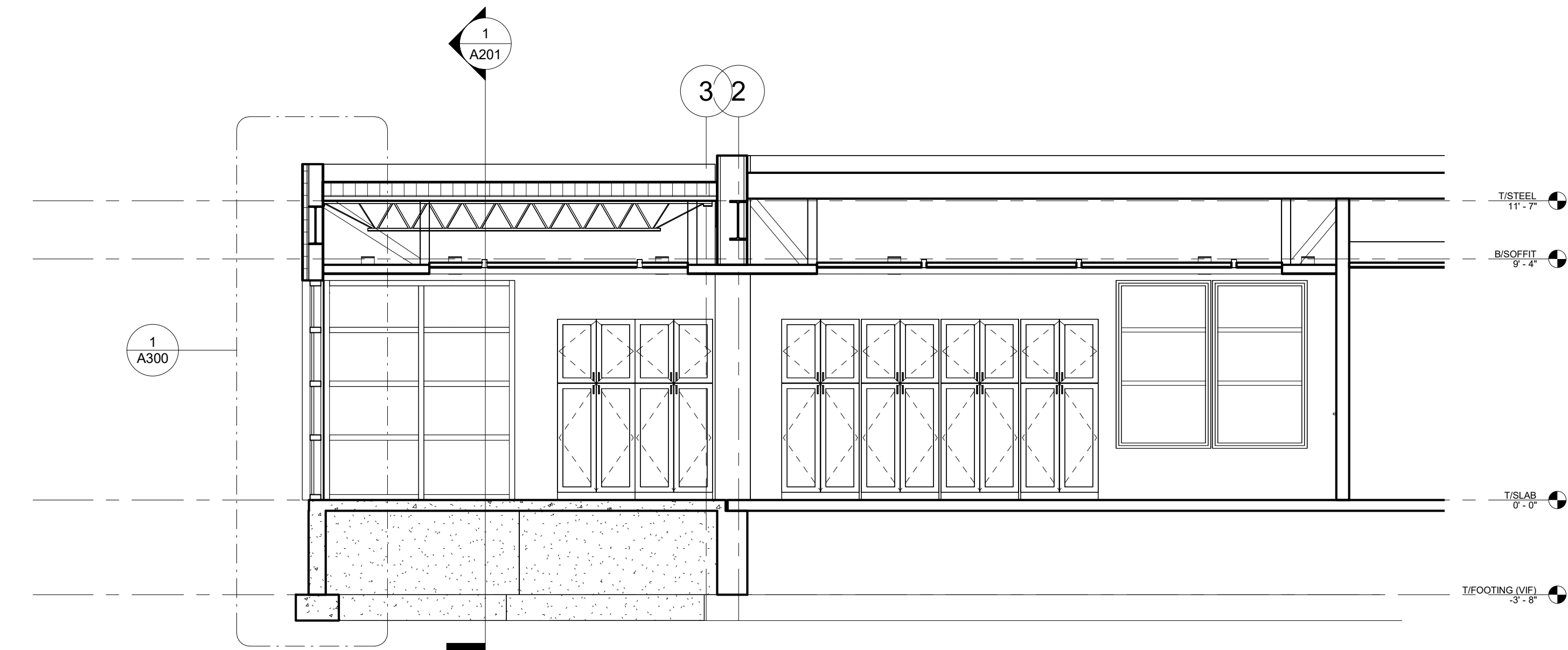


3 NORTH ELEVATION  
3/16" = 1'-0"

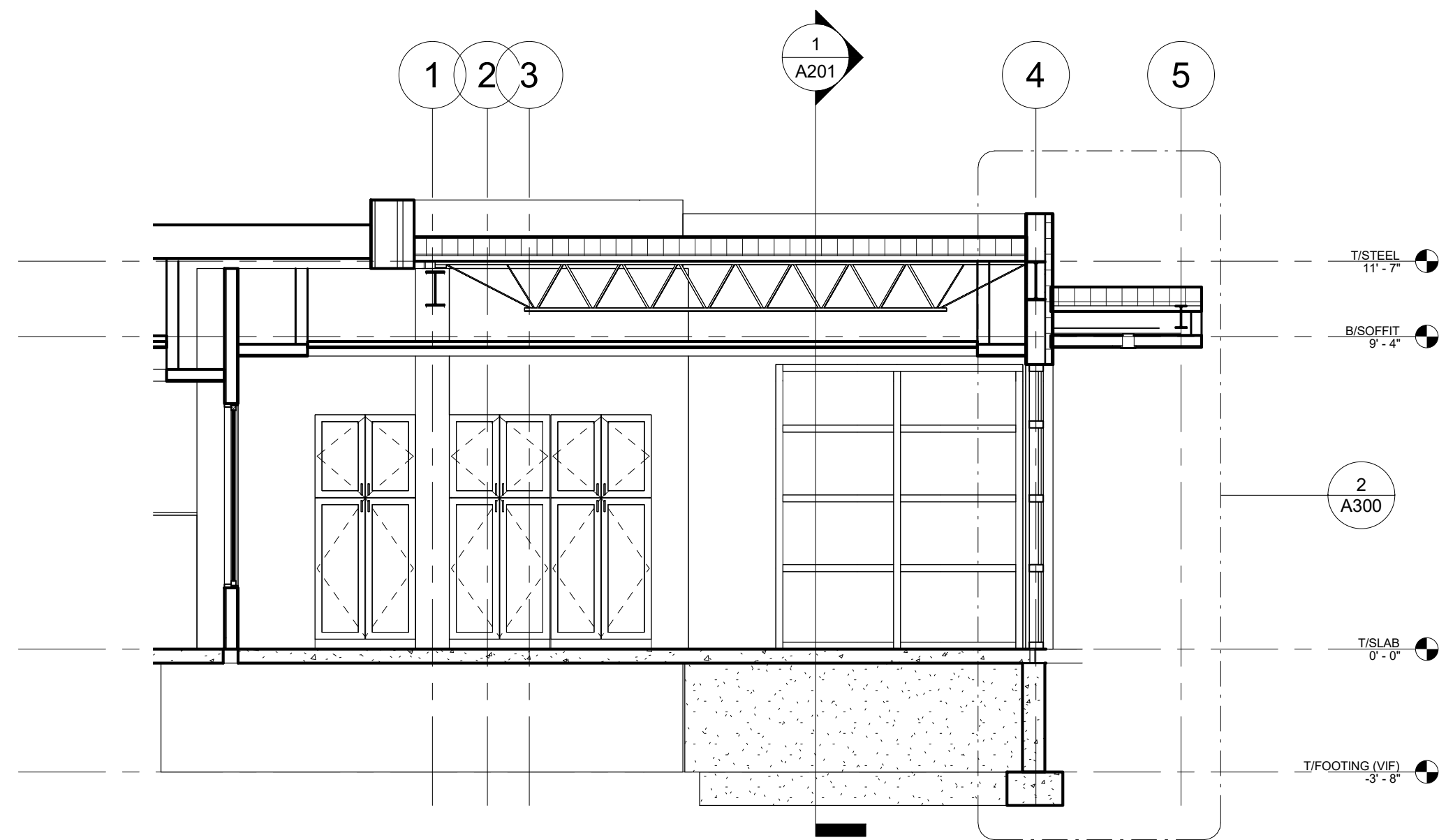




1 SECTION @ ADDITION  
1/4" = 1'-0"



2 SECTION @ MEETING ROOM  
1/4" = 1'-0"

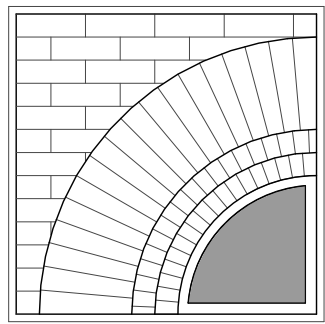


3 SECTION AT LOBBY  
1/4" = 1'-0"

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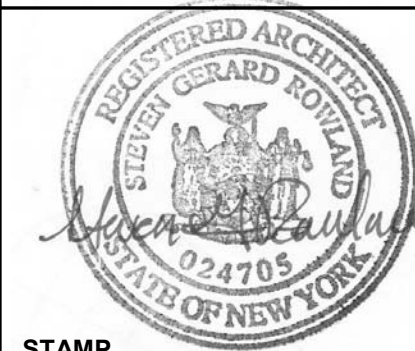
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SCALE: 1/4" = 1'-0"  
JOB NO.: 23-48-08  
DATE: 11/08/23

SECTIONS

TITLE

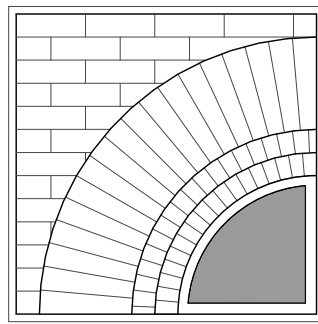
**A201**

DWG. NO.



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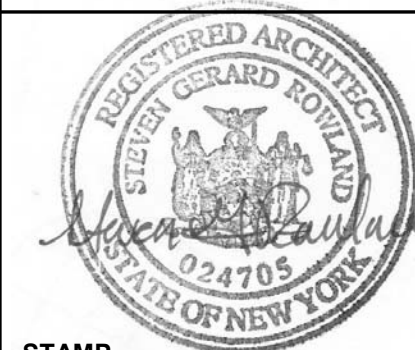
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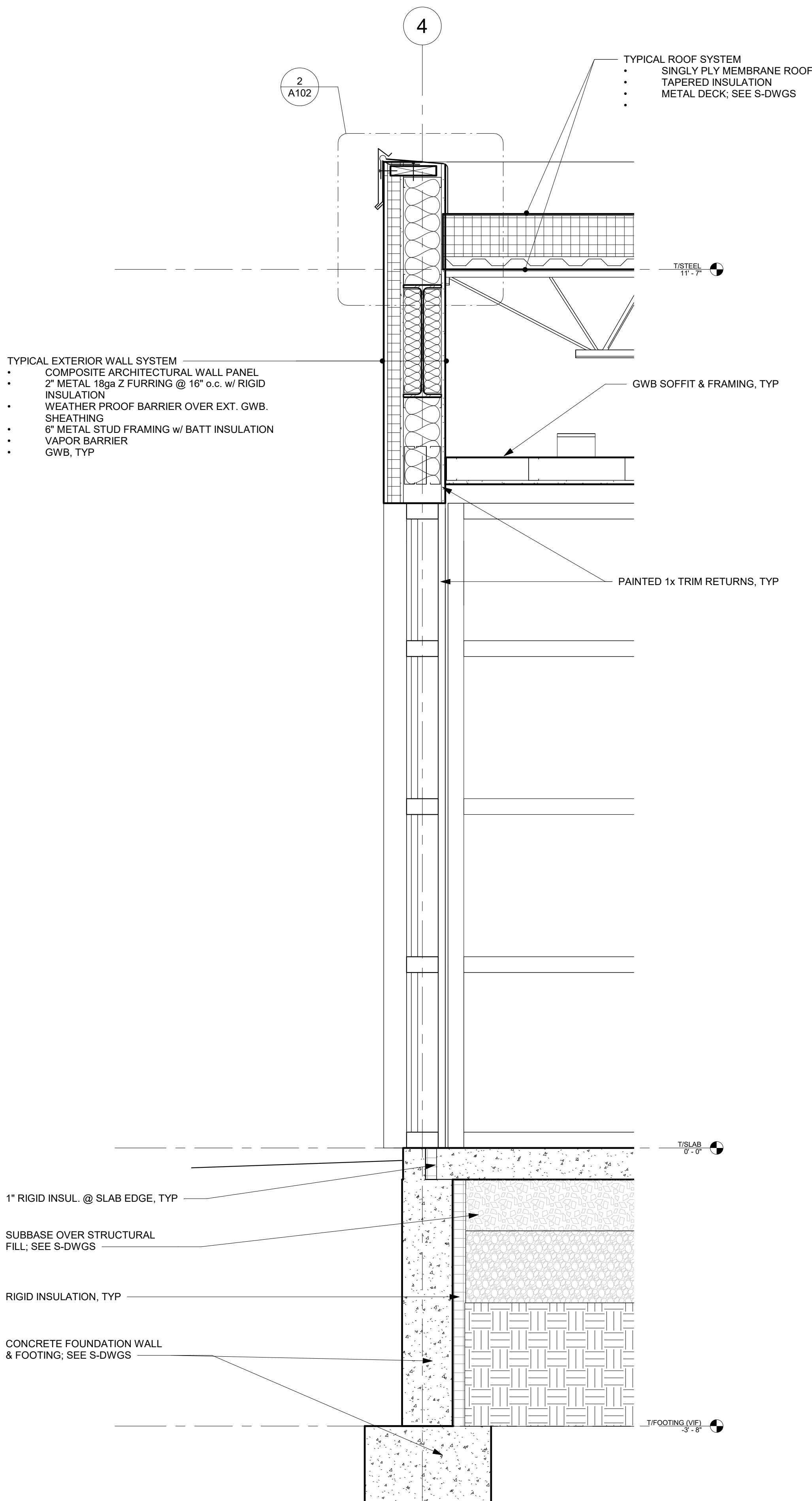
DWN. BY: Author  
SCALE: 1" = 1'-0"  
JOB NO.: 23-48-06  
DATE: 03/07/25

**WALL  
SECTIONS**

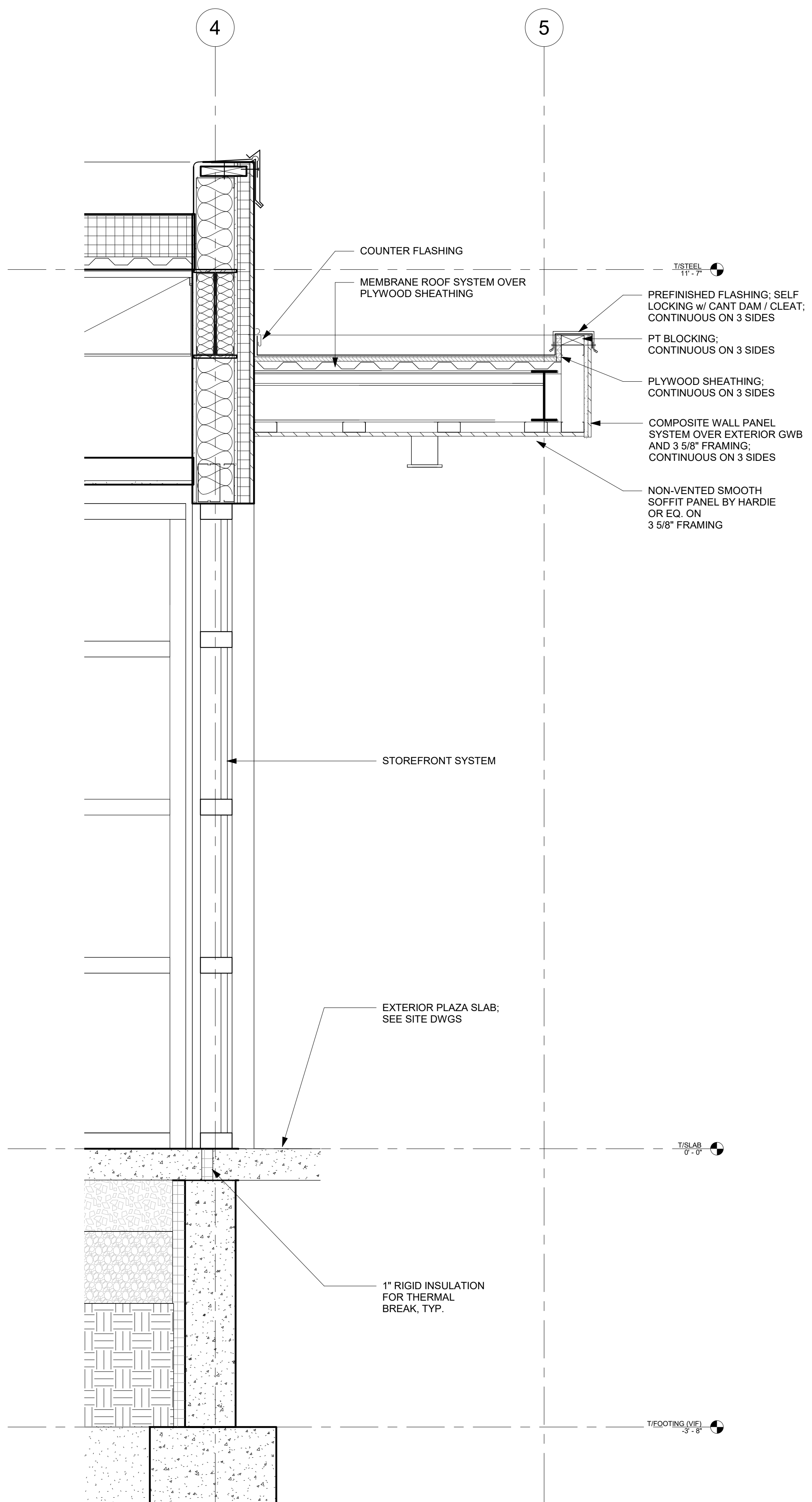
TITLE

**A300**

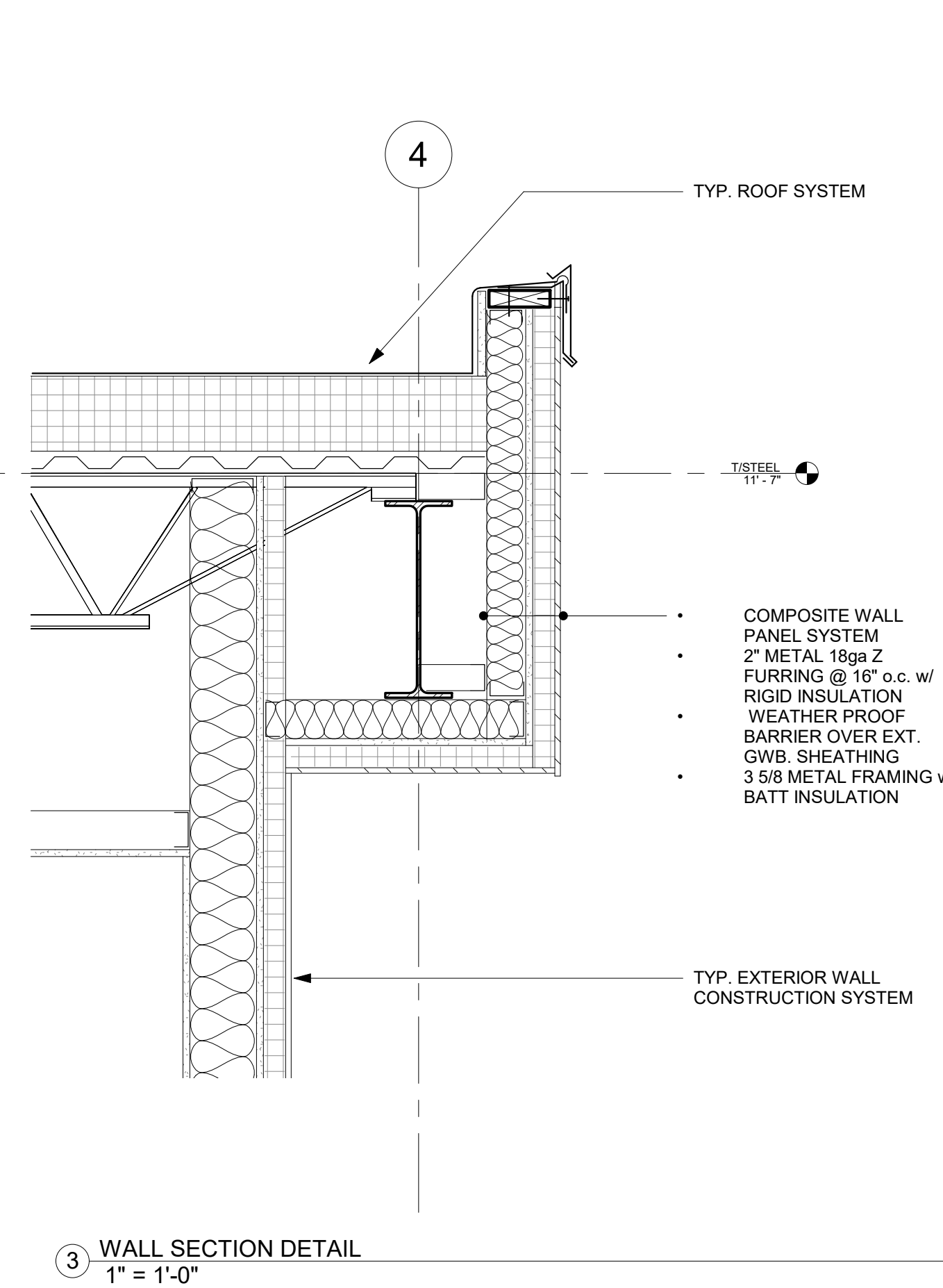
DWG. NO.



① WALL SECTION  
1" = 1'-0"

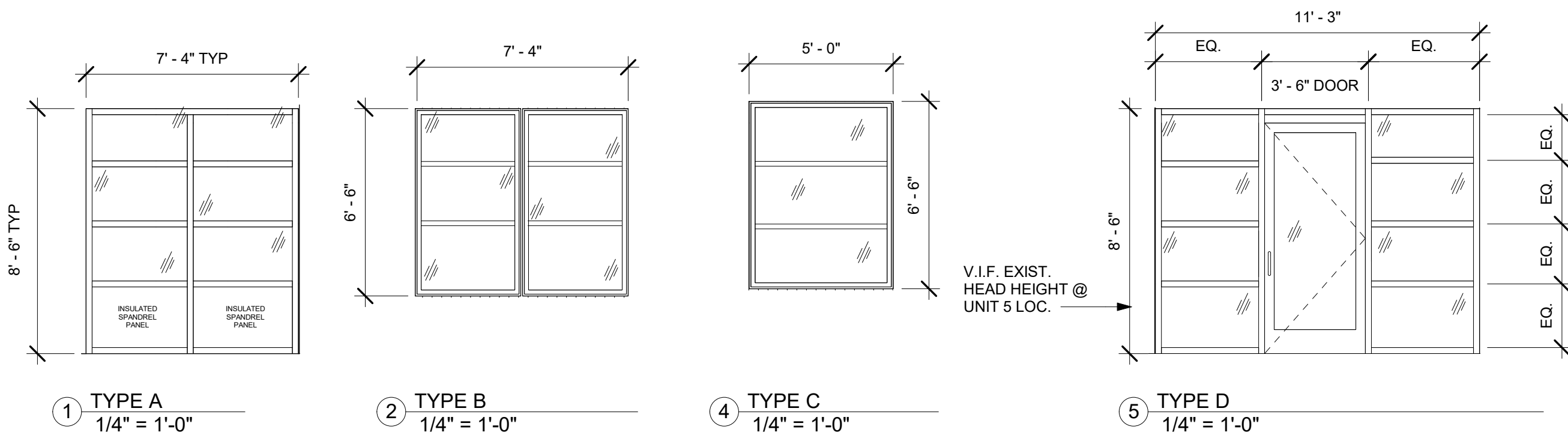


WALL SECTION AT STOREFRONT  
ENTRANCE  
② 1" = 1'-0"

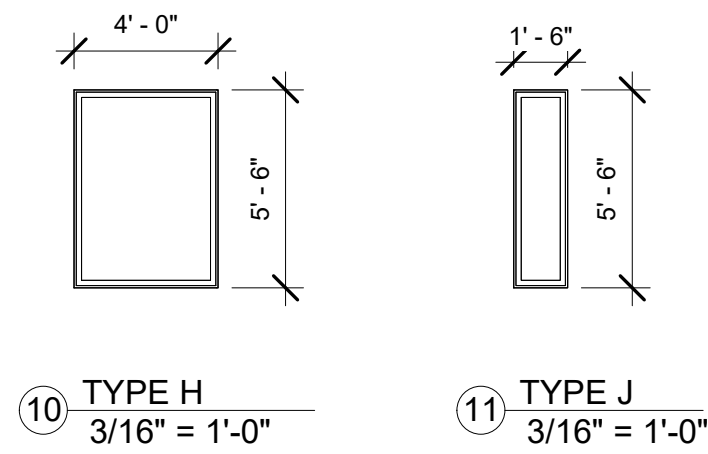


③ WALL SECTION DETAIL  
1" = 1'-0"

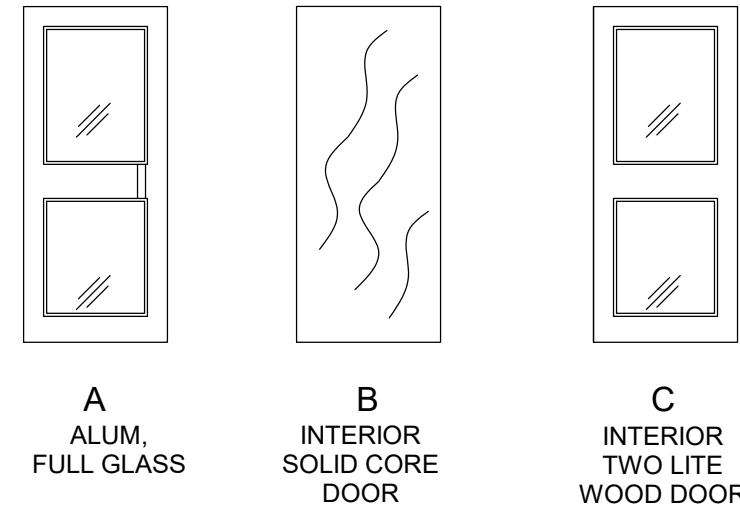




EXTERIOR GLAZED UNITS & FRAMES



INTERIOR GLAZED UNITS & FRAMES

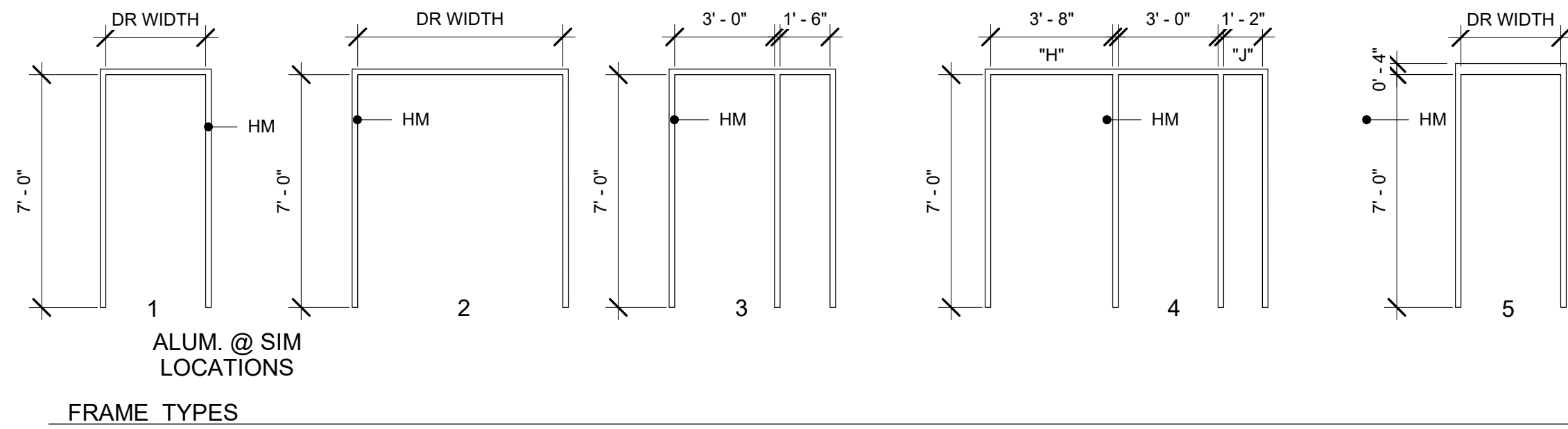


DOOR TYPES  
N.T.S. NOTE: ALL GLASS IN DOORS SHALL BE TEMPERED.

PROGRAM ROOM & TEEN ROOM EAST WALL  
1/4" = 1'-0"

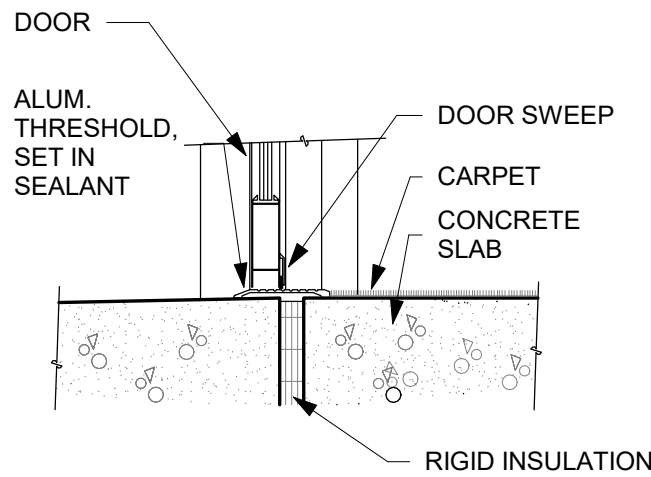
PROVIDE LAMINTED GLAZING, HARDWARE, & ALL COMPONENTS FOR COMPLETE SYSTEM INSTALLATION

PROGRAM ROOM NORTH WALL  
1/4" = 1'-0"

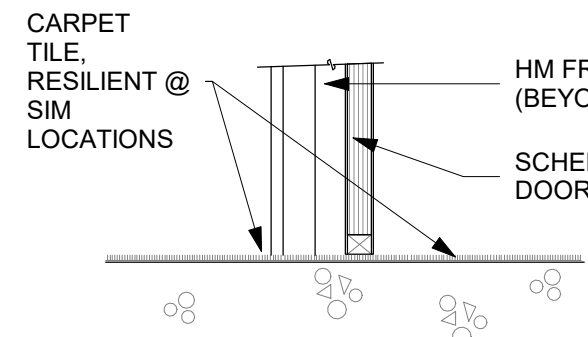


DOOR & FRAME TYPES  
1/4" = 1'-0"

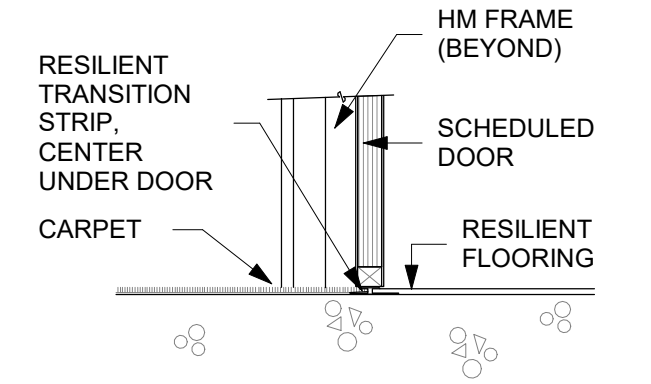
Door Schedule										
Mark	ADJ ROOM	ELEV TYPE	Width	Height	DOOR MATERIAL	Frame Type	Frame Material	JAMB	SILL	Comments
1	STAFF BREAKROOM	A	3' - 0"	8' - 0"	ALUM	1 SIM	ALUM	EX	1 SIM	
2	CHILDREN'S LIBRARY	A	3' - 0"	7' - 0"	ALUM	1 SIM	ALUM	EX	1	
3	ADULT COLLECTIONS	A	3' - 0"	8' - 0"	ALUM	1 SIM	ALUM	EX	1	
4	LOBBY	A	3' - 6"	8' - 0"	ALUM	1 SIM	ALUM	2	1	
5	LOBBY	A	3' - 0"	7' - 0"	ALUM	D	ALUM	2	2	
6R	BOOK DROP	B	3' - 6"	7' - 0"	WD	D	HM	1 SIM	2	1 HR RATED UNIT
7	MEETING ROOM C	B	3' - 0"	7' - 0"	WD	3	HM	1 SIM	3	
8	STORAGE	B	6' - 0"	7' - 0"	WD	2	HM	1 SIM	2 SIM	
9	KITCHENETTE	B	3' - 0"	7' - 0"	WD	EX	HM	EX	2 SIM	RE-USE EXIST. HM FRAME
10	MEETING ROOM	C	3' - 0"	7' - 0"	WD	EX	HM	EX	3	RE-USE EXIST. HM FRAME
11	MEETING ROOM	C	3' - 0"	8' - 0"	WD	EX	HM	EX	3	RE-USE EXIST. HM FRAME
12	UTILITY	B	3' - 0"	7' - 0"	WD	EX	HM	EX	3	RE-USE EXIST. HM FRAME
13	STOR.	B	3' - 0"	7' - 0"	WD	EX	HM	EX	2 SIM	RE-USE EXIST. HM FRAME
14	STAFF WORKROOM	C	3' - 0"	7' - 0"	WD	1	HM	EX	2	RE-USE EXIST. HM FRAME
15	TEENS	--	3' - 0"	7' - 0"	FALBROOK SYS	FALBROOK SYS		N/A	2	COORD. KEYING
16	PROGRAM ROOM	--	3' - 0"	7' - 0"	FALBROOK SYS	FALBROOK SYS		N/A	3	COORD. KEYING
17	DIRECTOR	C	3' - 0"	7' - 0"	WD	EX	HM	EX	2	RE-USE EXIST. HM FRAME
18	STAFF RESTROOM	B	3' - 0"	7' - 0"	WD	1	HM	2	5	
19	BREAKROOM	C	3' - 0"	7' - 0"	WD	1	HM	2	3	
20	CONFERENCE	C	3' - 0"	7' - 0"	WD	K	HM	2	2	
21	RESTROOM	B	3' - 0"	7' - 0"	WD	1	HM	2	5	
22	RESTROOM	B	3' - 0"	7' - 0"	WD	1	HM	2	5	
23	RESTROOM	B	3' - 0"	7' - 0"	WD	1	HM	2	5	
24	RESTROOM	B	3' - 0"	7' - 0"	WD	1	HM	2	5	
25	N&P SEATING	A	3' - 1 1/2"	7' - 7"	ALUM	1 SIM	ALUM	EX	1	
27	JANITOR CLOSET	B	3' - 0"	7' - 0"	WD	1	HM	2	5	
EXR	ELECTRICAL	EX	3' - 0"	7' - 0"	N/A	N/A	N/A	N/A	N/A	



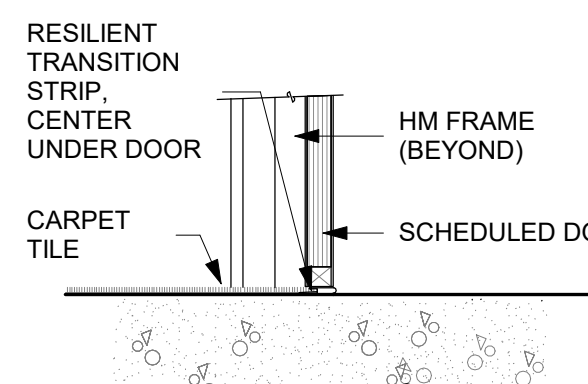
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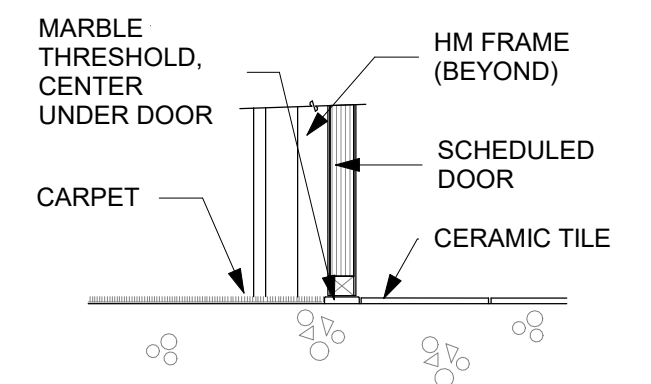
2) SILL DETAIL



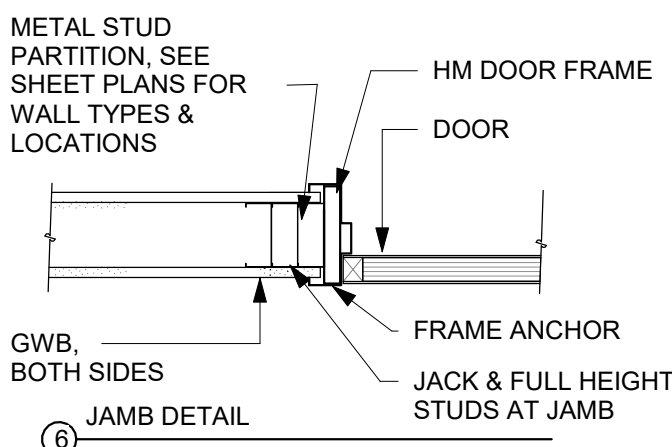
3) SILL DETAIL



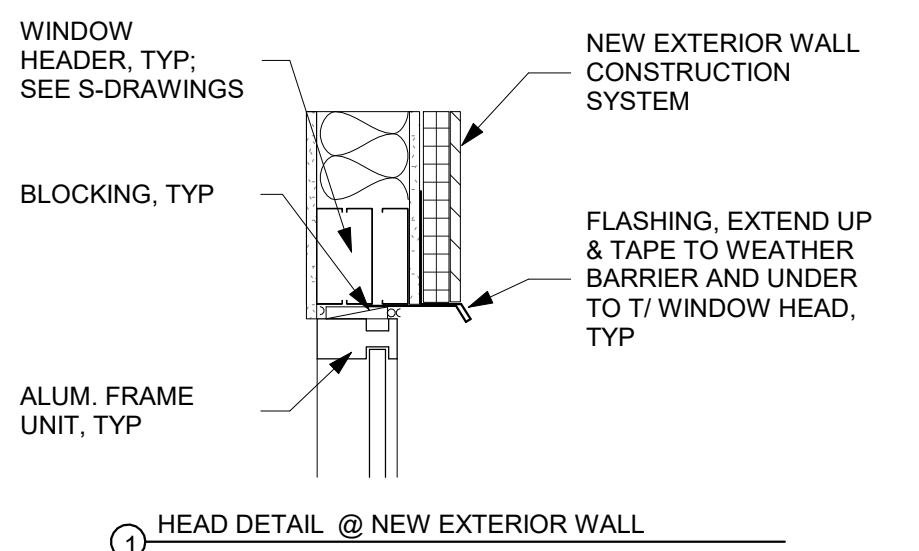
4) SILL DETAIL



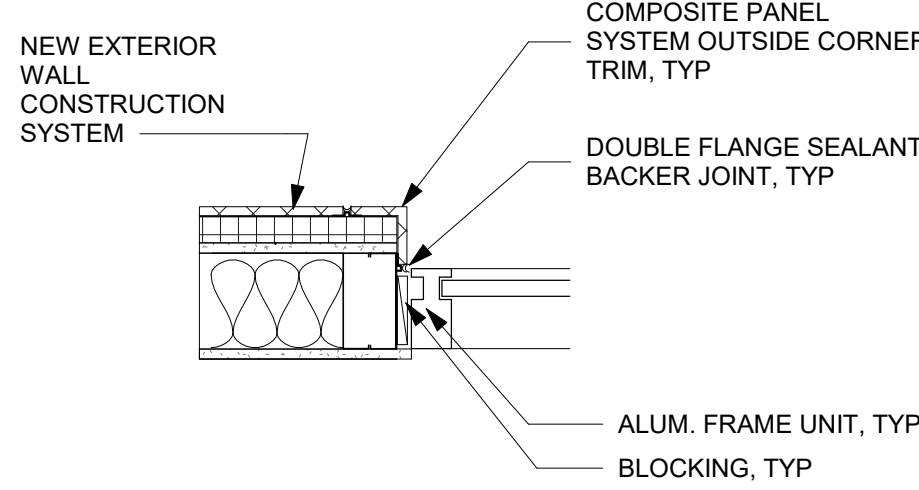
5) SILL DETAIL



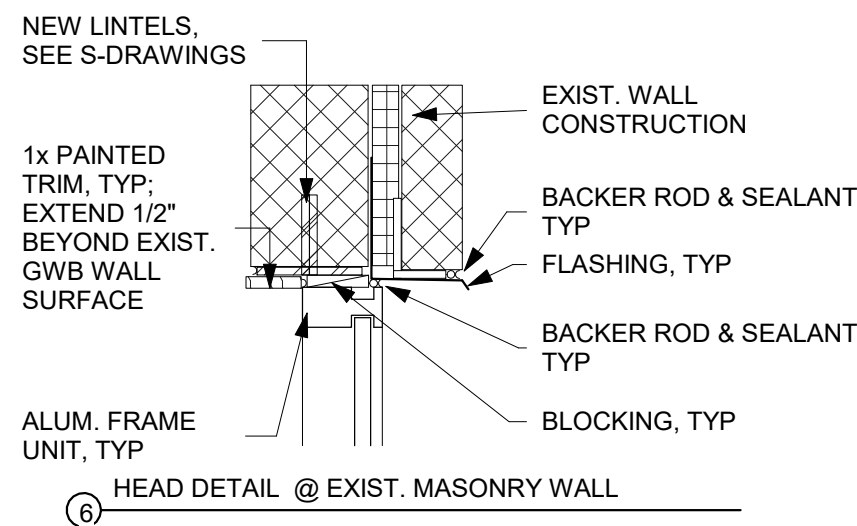
6) JAMB DETAIL



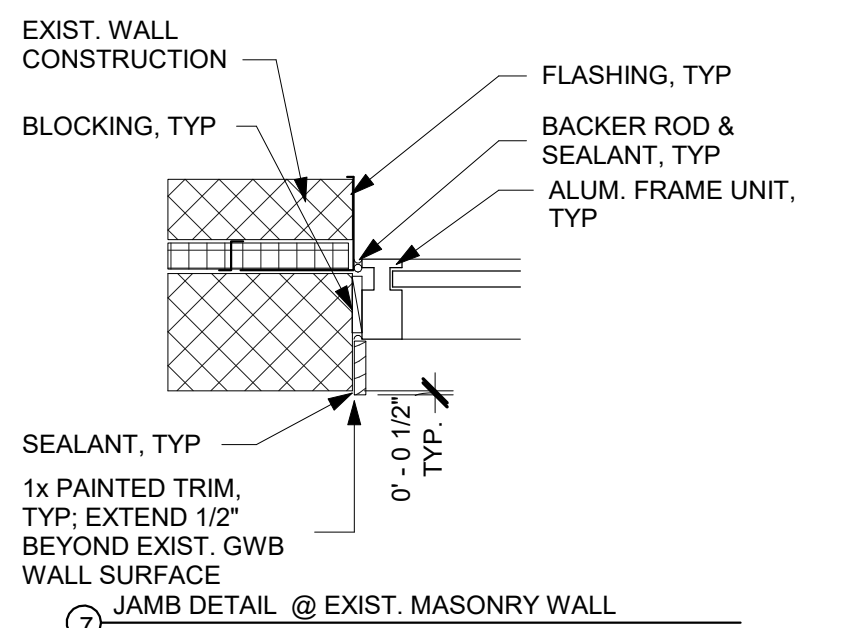
1) HEAD DETAIL @ NEW EXTERIOR WALL



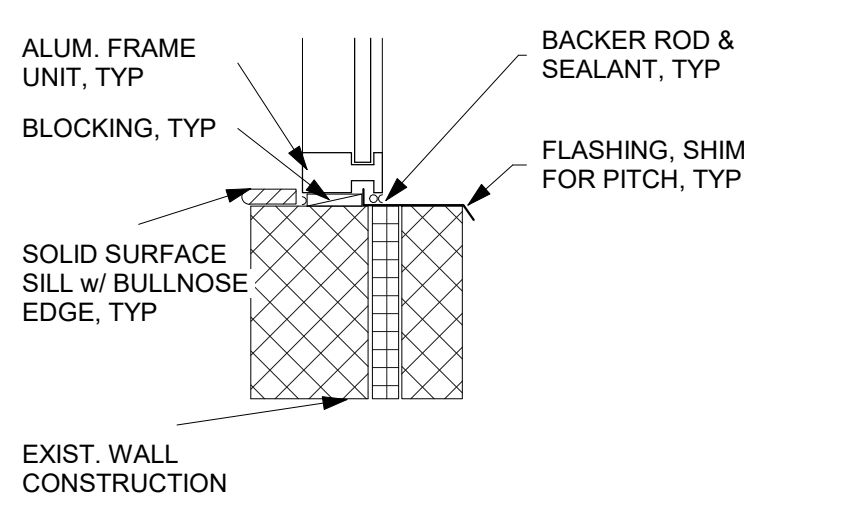
2) JAMB DETAIL @ NEW EXTERIOR WALL



6) HEAD DETAIL @ EXIST. MASONRY WALL



7) JAMB DETAIL @ EXIST. MASONRY WALL



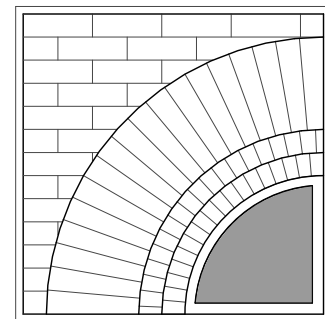
8) SILL DETAIL @ EXIST. MASONRY WALL

WINDOW DETAILS  
1" = 1'-0"

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for the  
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SCALE: As Indicated  
JOB NO.: 23-46-06  
DATE: 03/31/25

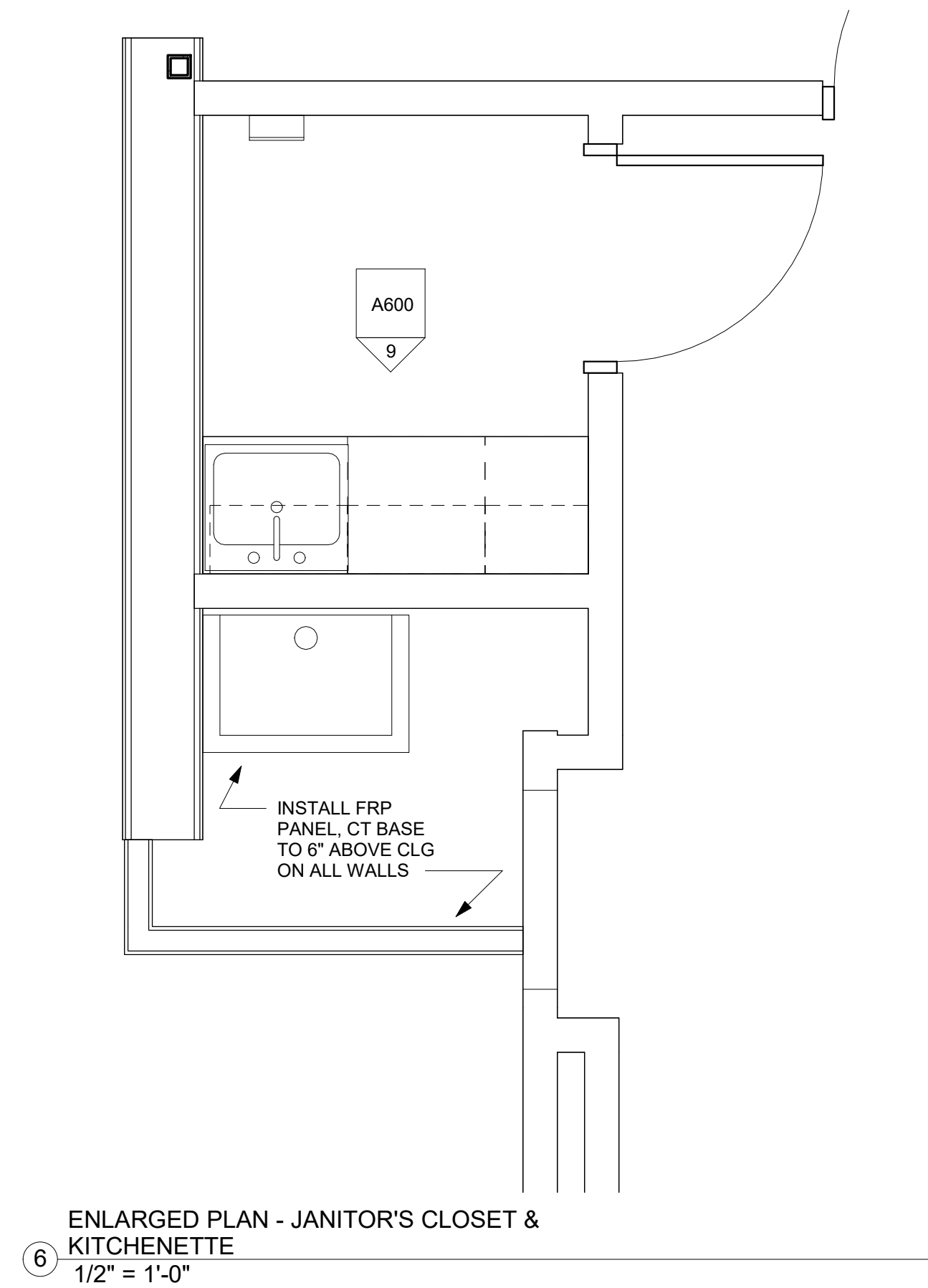
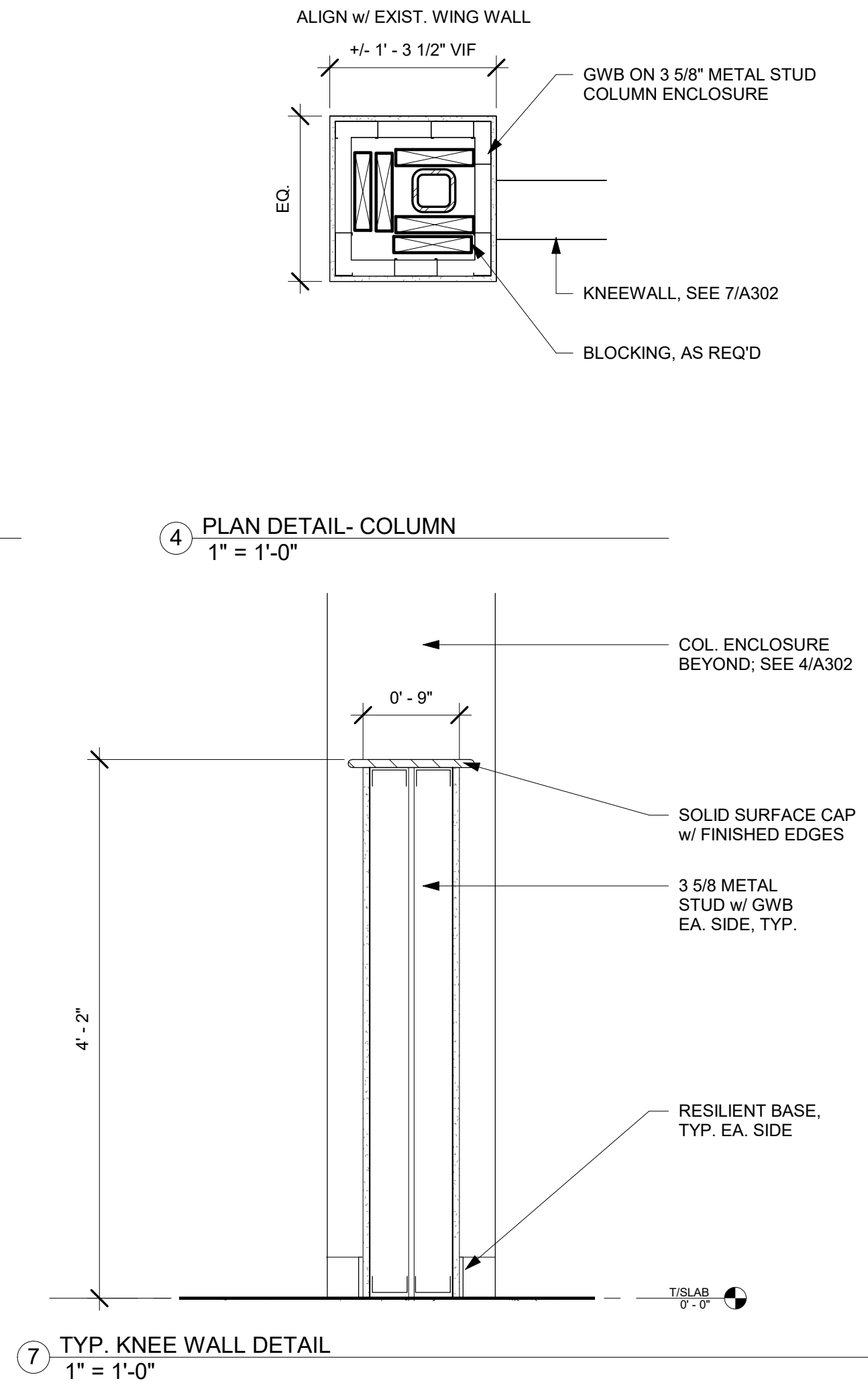
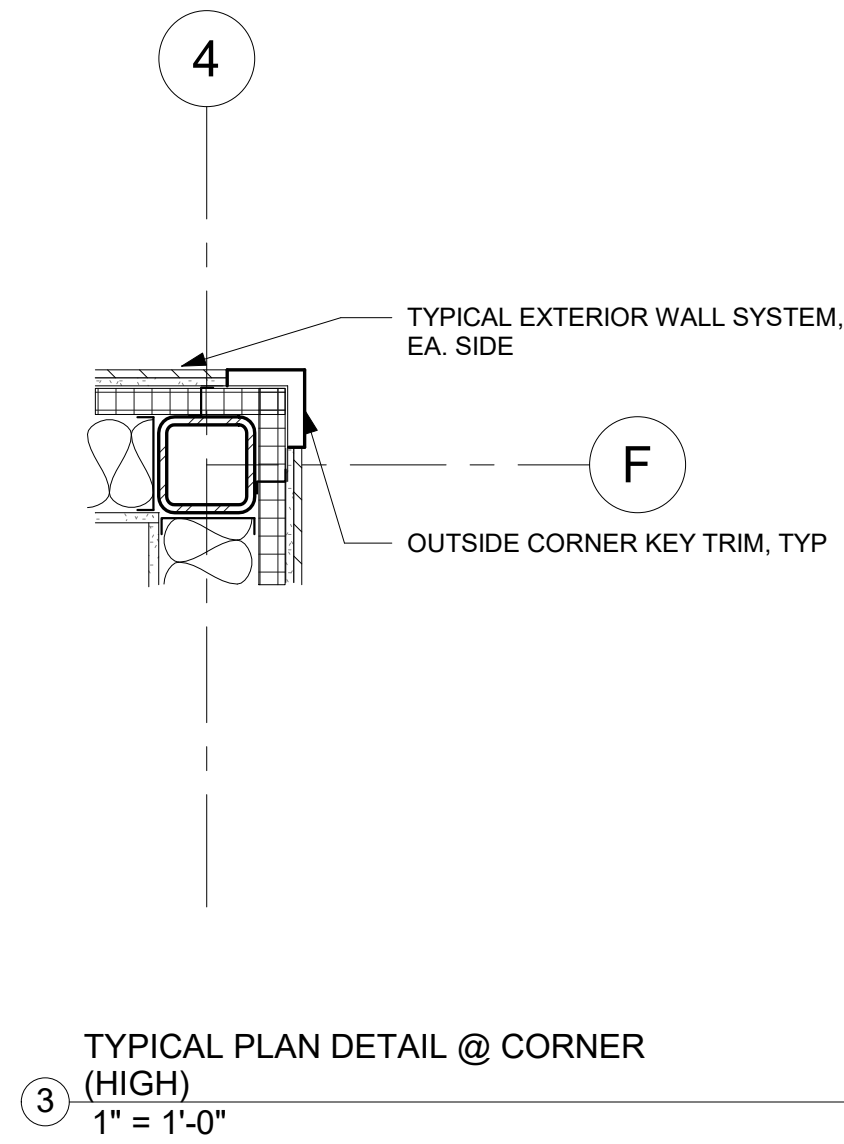
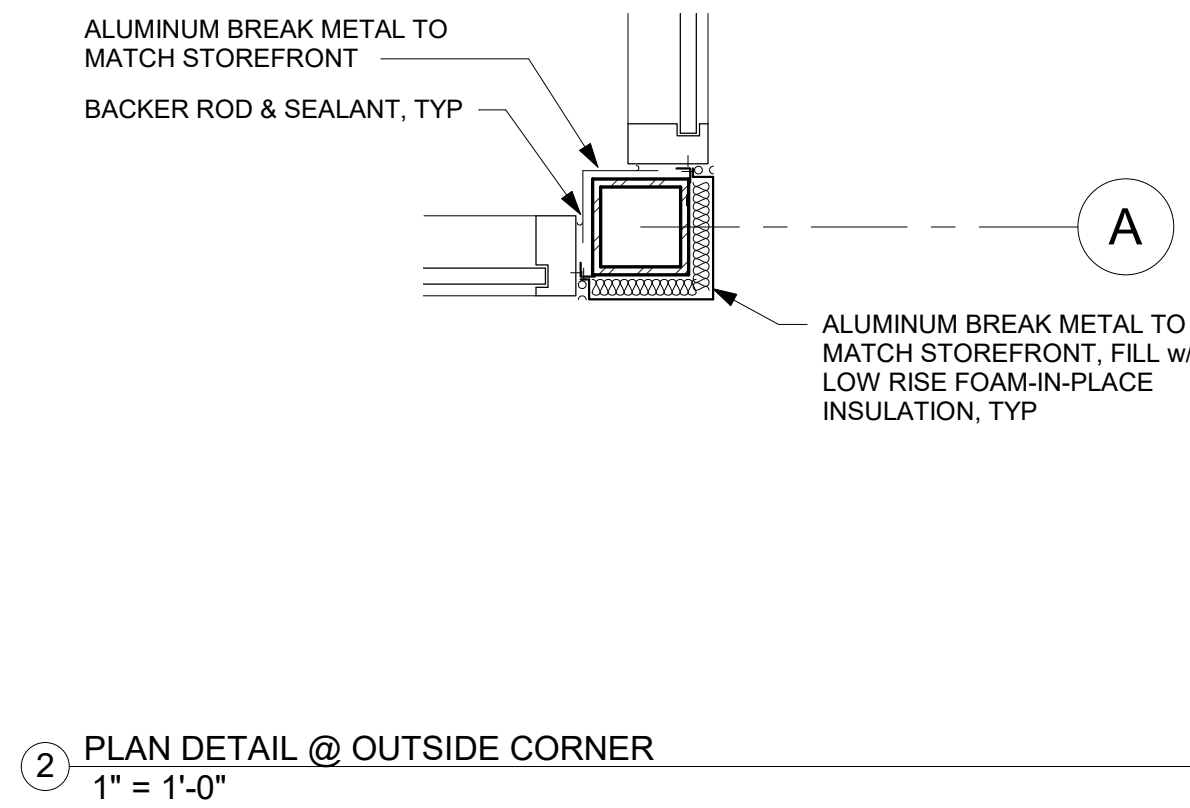
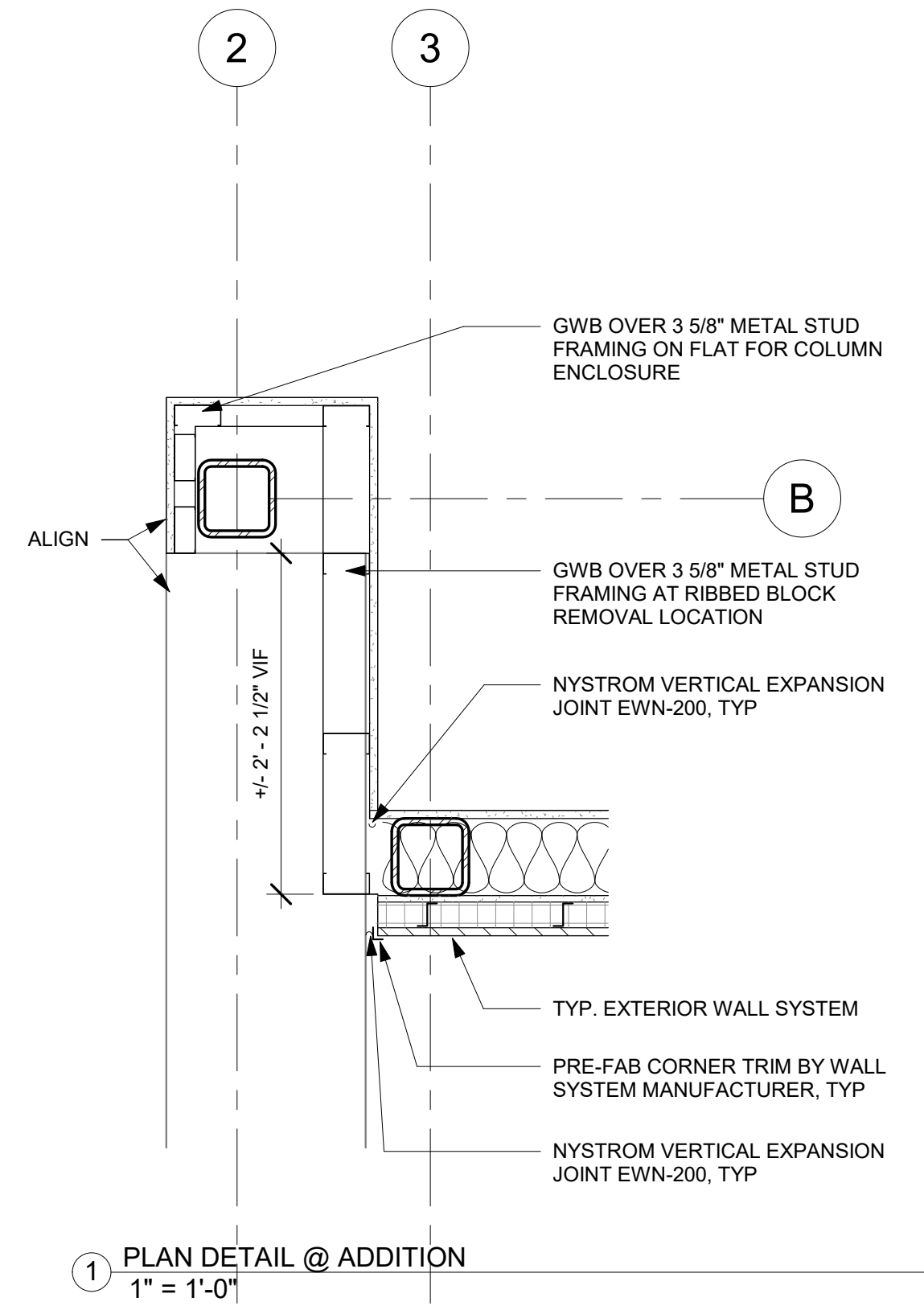
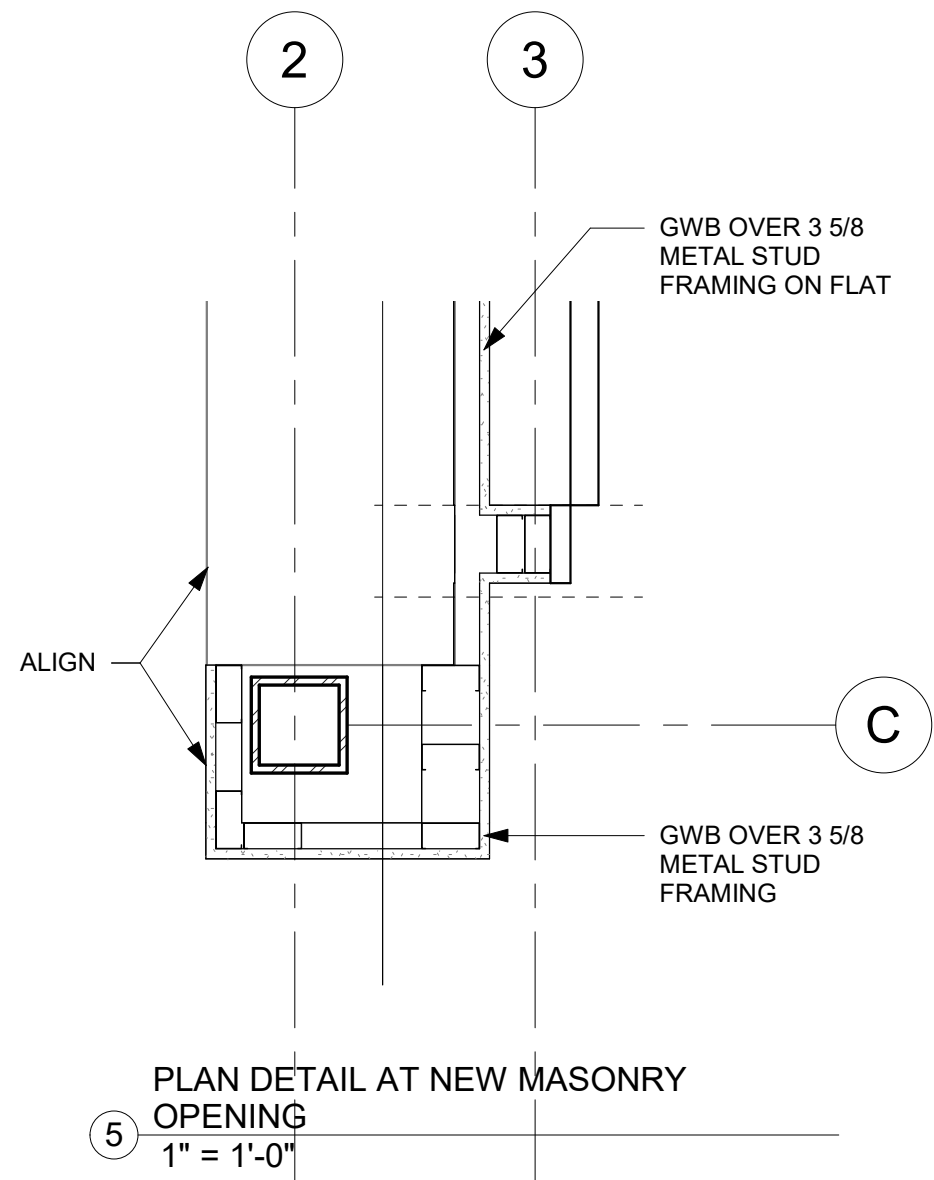
**WINDOW &  
DOOR  
DETAILS**

TITLE

**A301**

DWG. NO.

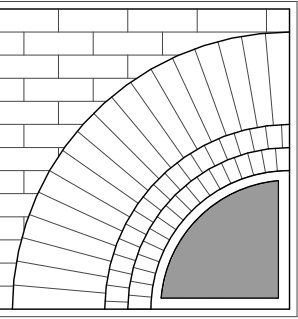




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DATE: 03/31/25

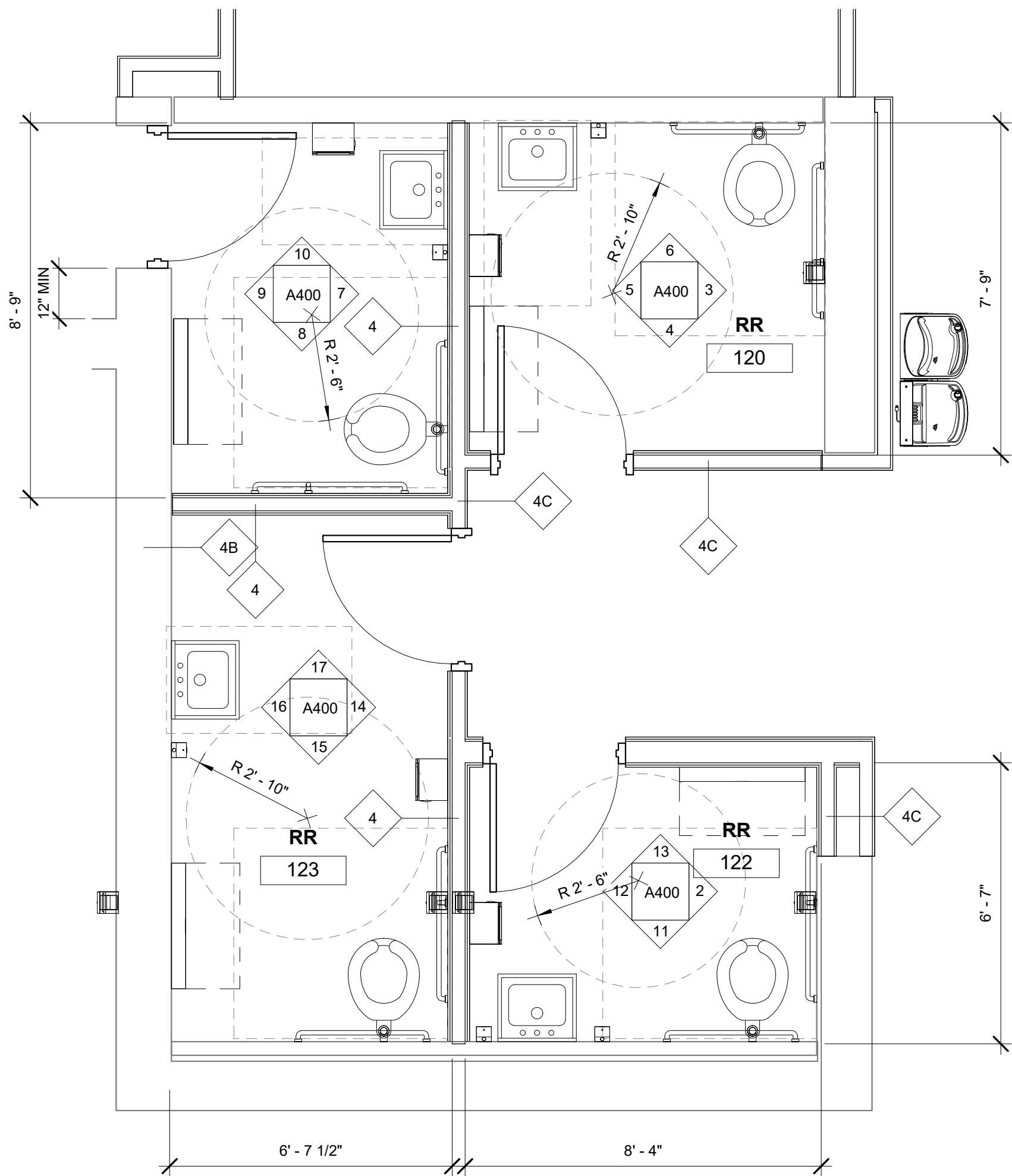
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#### TITLE

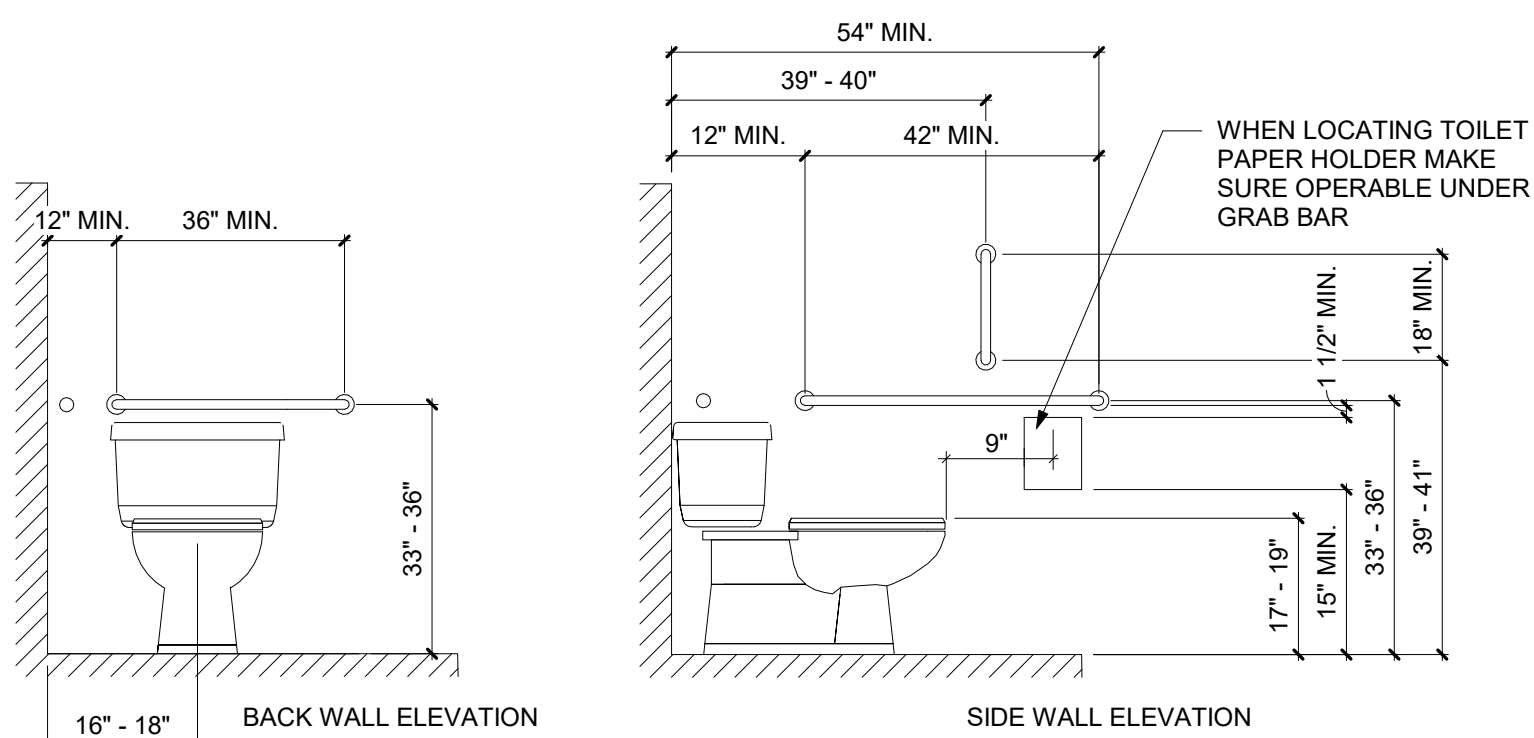
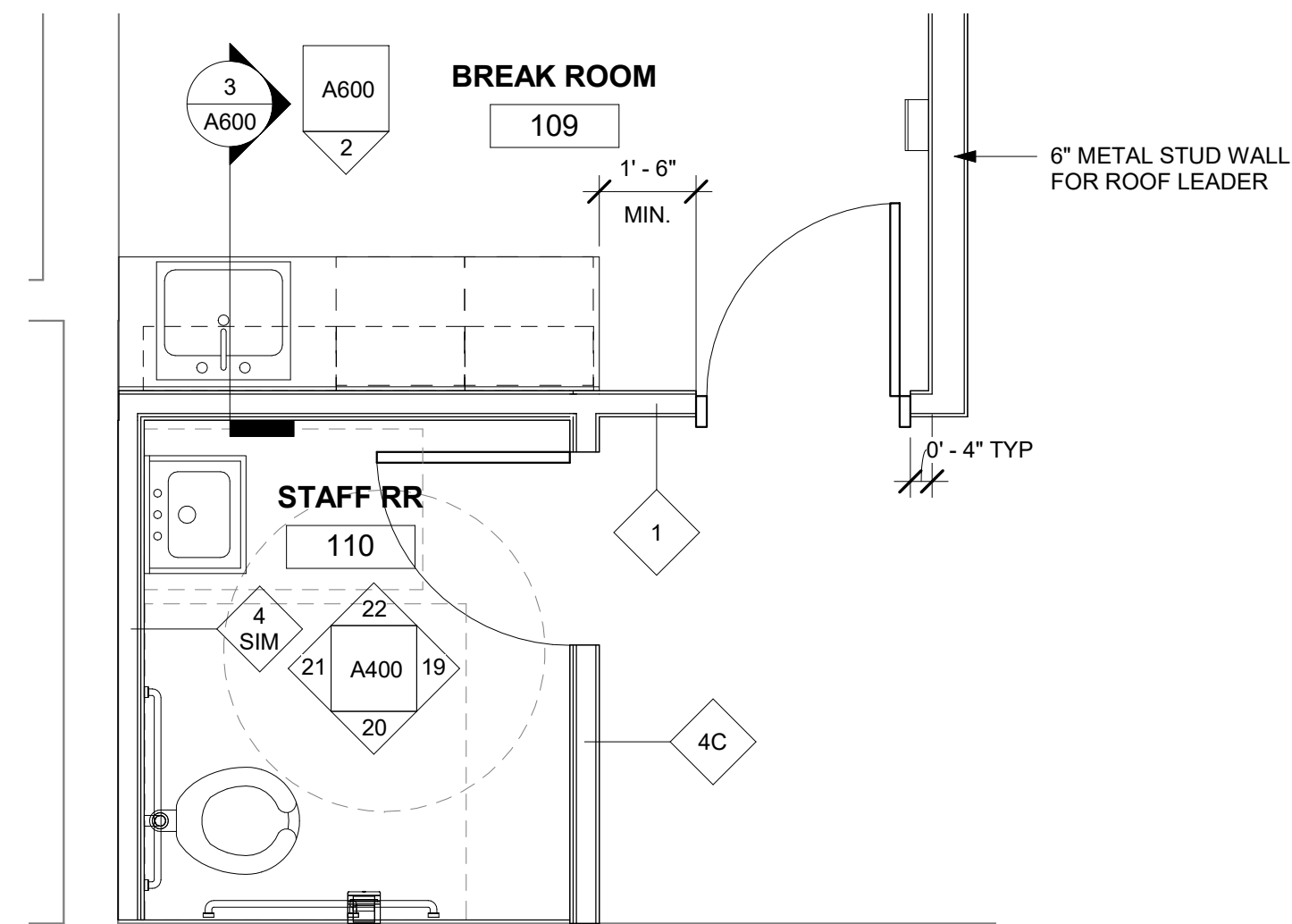
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DWG. NO.

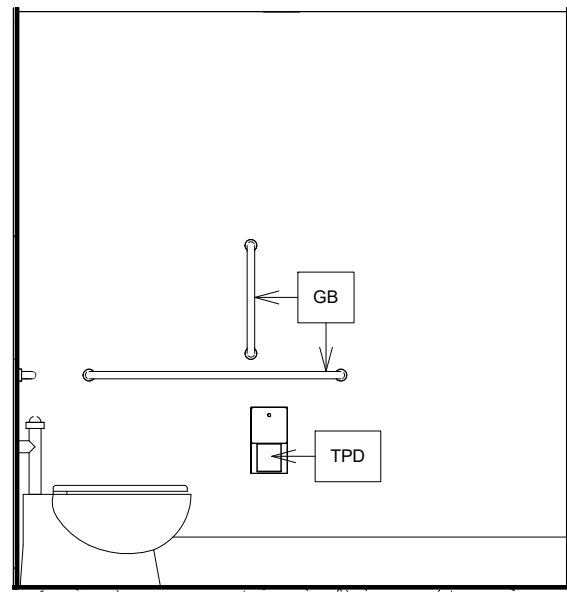




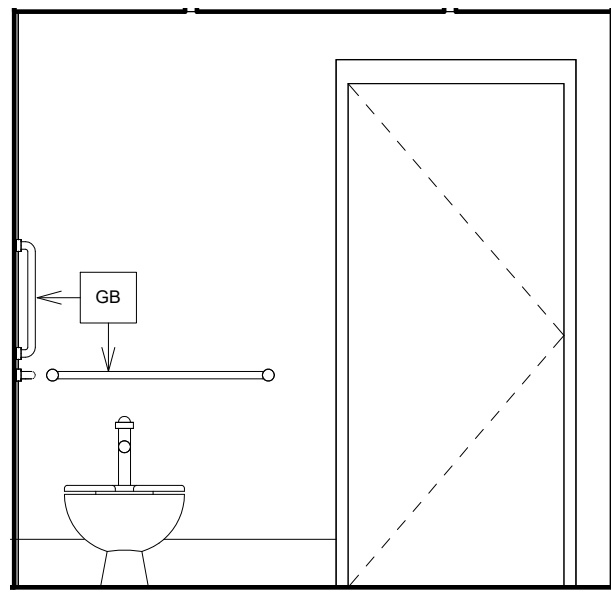
1 ENLARGED RESTROOM PLANS  
3/8" = 1'-0"



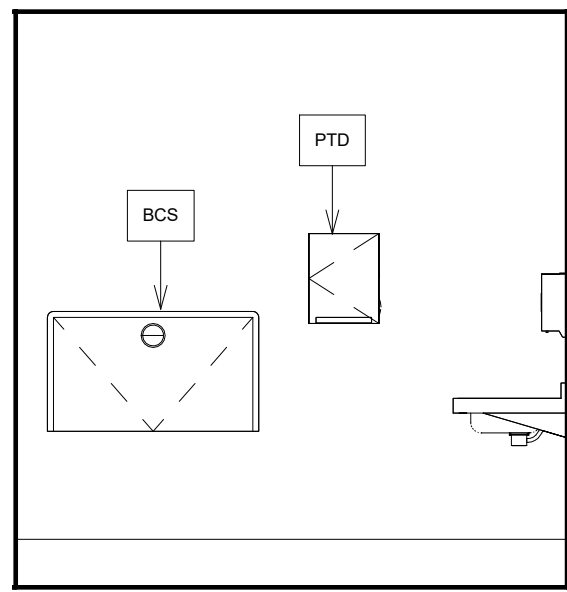
ACCESSIBILITY REQUIREMENTS  
1/4" = 1'-0"



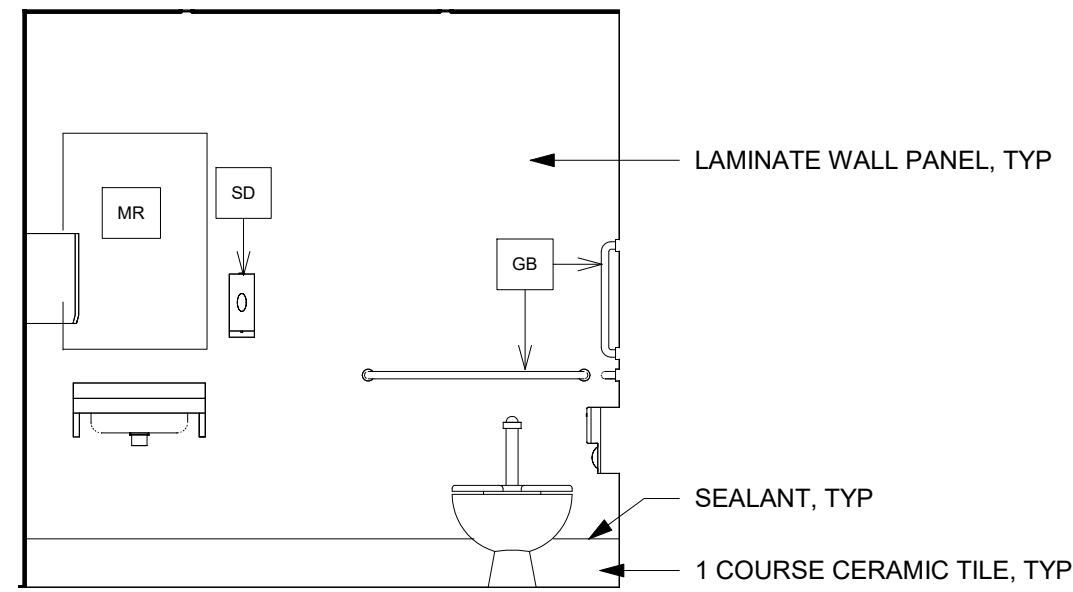
3 RR 120 NORTH ELEVATION  
3/8" = 1'-0"



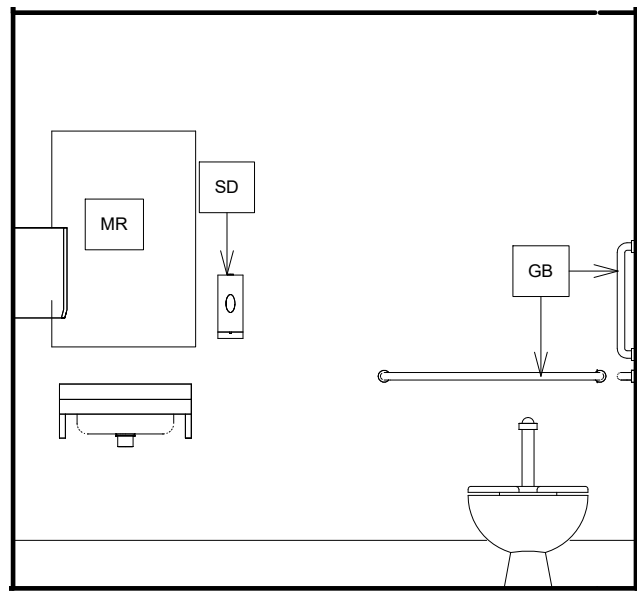
4 RR 120 EAST ELEVATION  
3/8" = 1'-0"



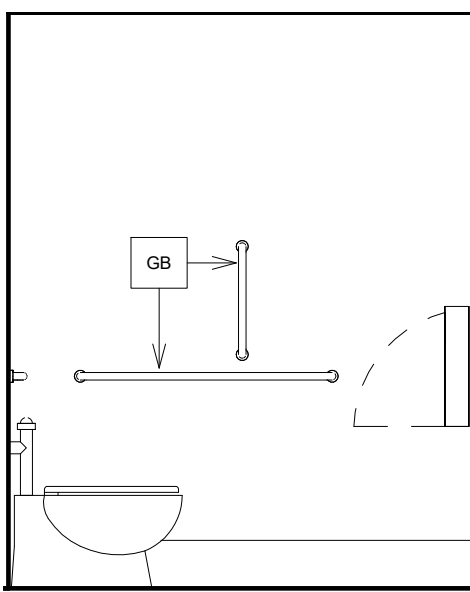
5 RR 120 SOUTH ELEVATION  
3/8" = 1'-0"



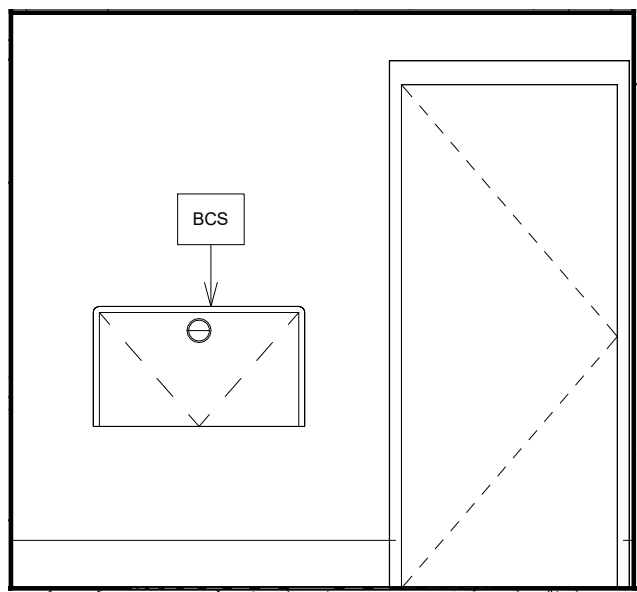
6 RR 120 WEST ELEVATION  
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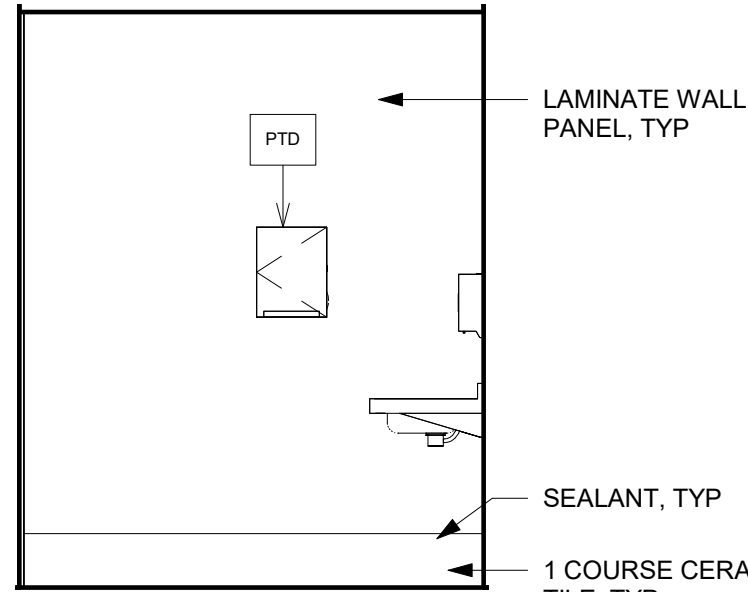
7 RR 121 NORTH ELEVATION  
3/8" = 1'-0"



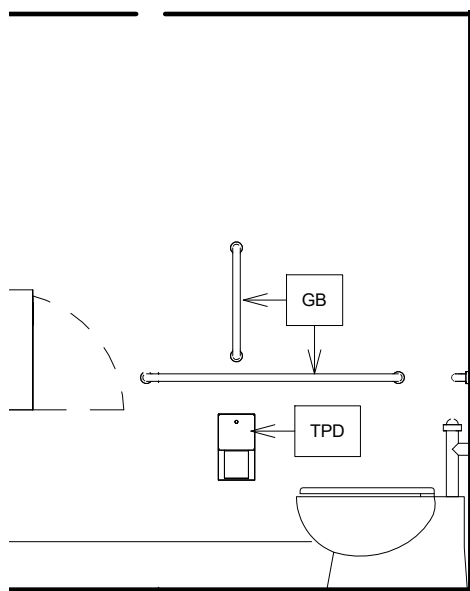
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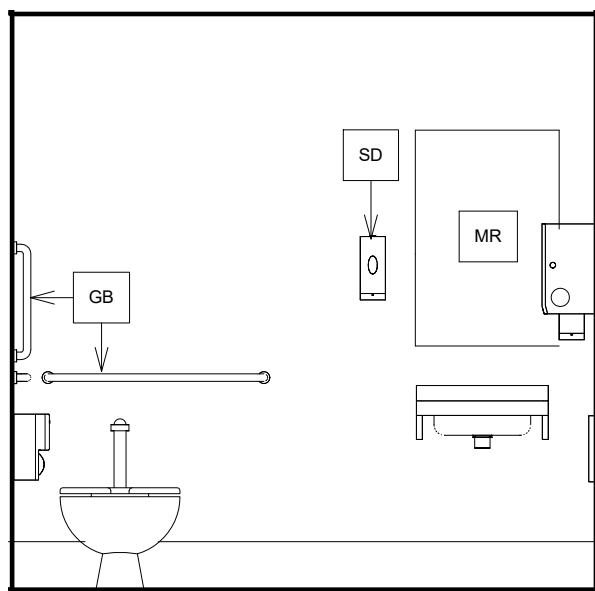
9 RR 121 SOUTH ELEVATION  
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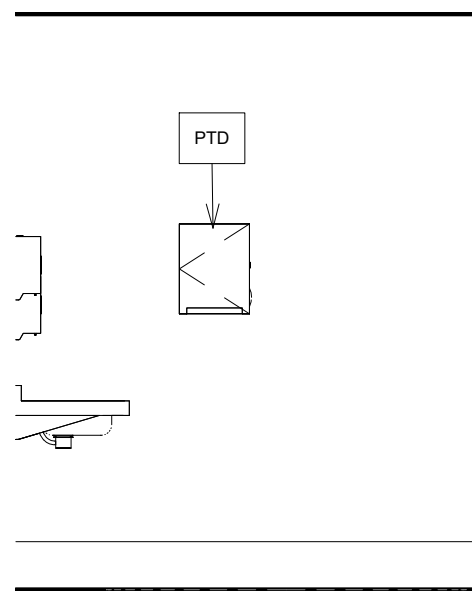
10 RR 121 WEST ELEVATION  
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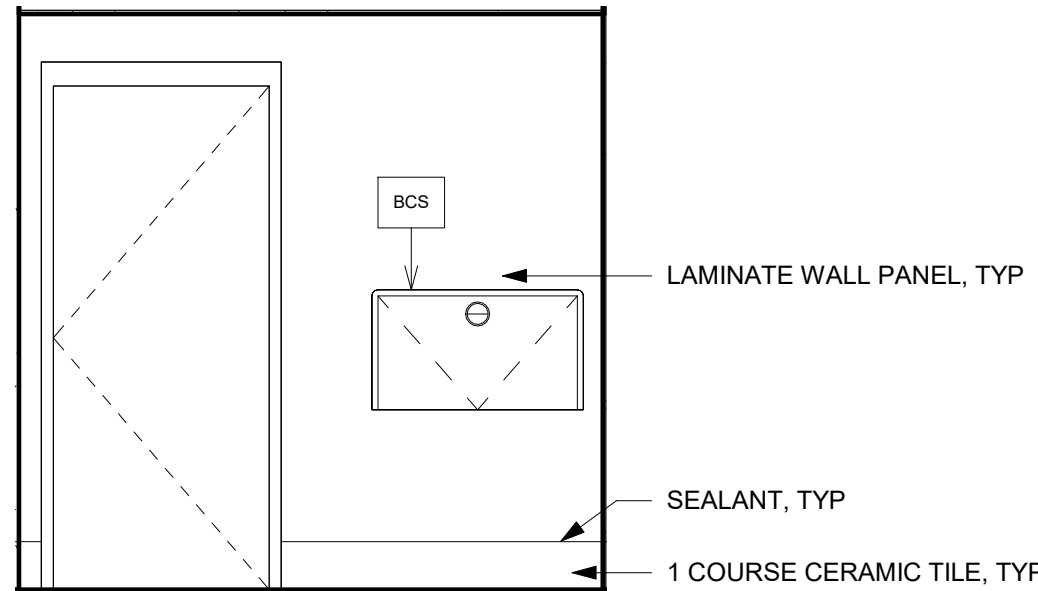
2 RR 122 NORTH ELEVATION  
3/8" = 1'-0"



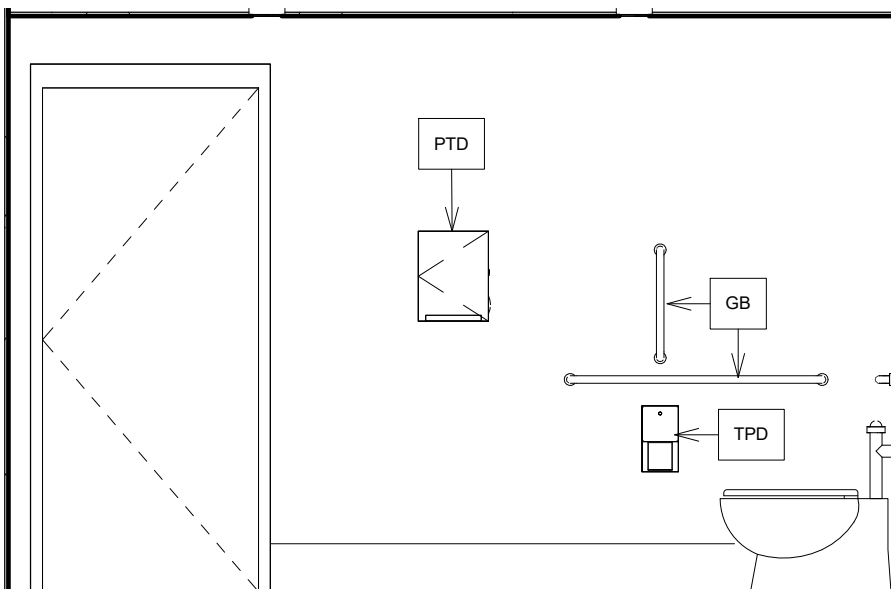
11 RR 122 EAST ELEVATION  
3/8" = 1'-0"



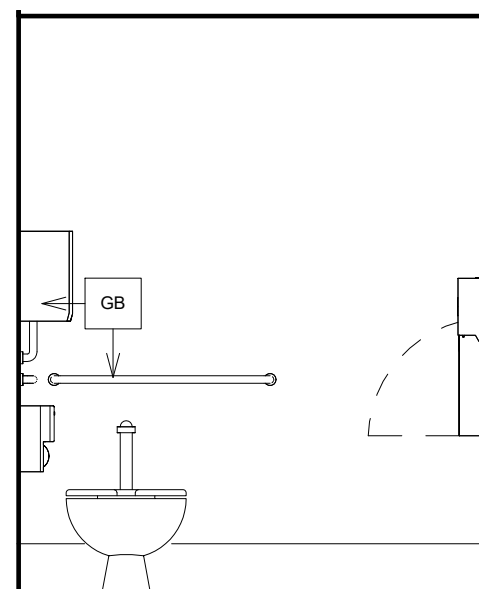
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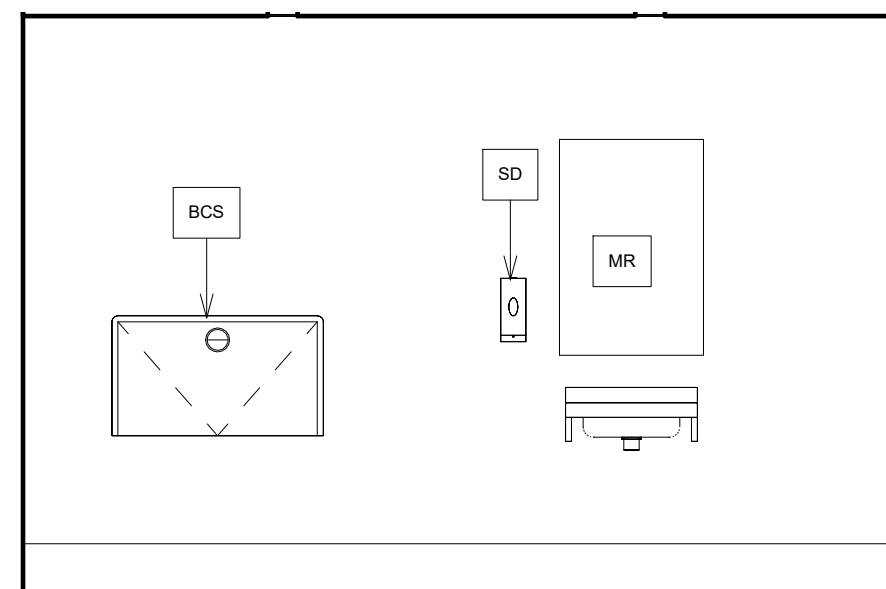
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3/8" = 1'-0"



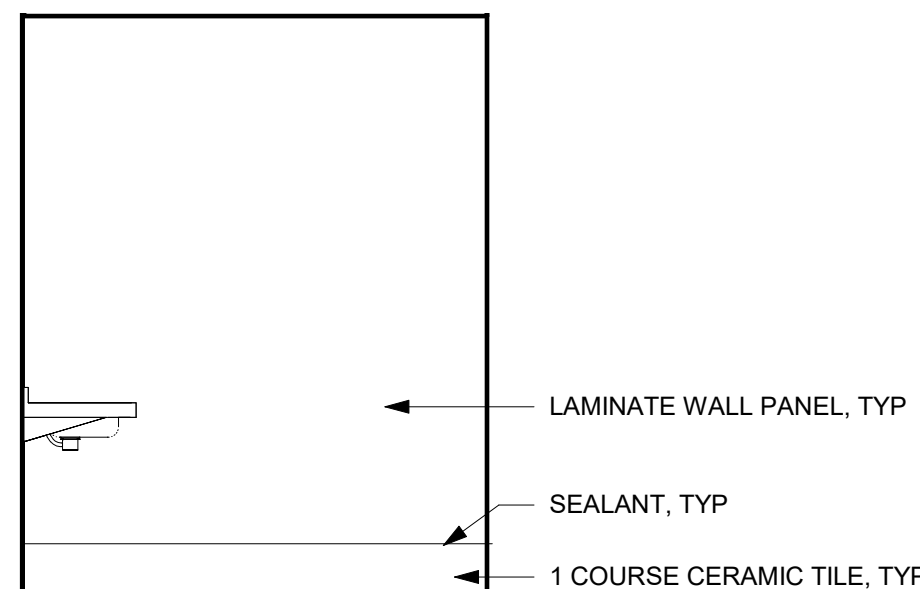
14 RR 123 NORTH ELEVATION  
3/8" = 1'-0"



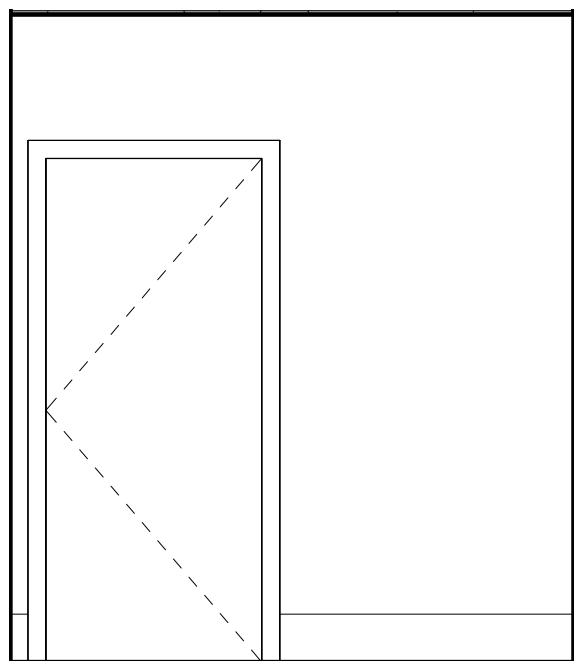
15 RR 123 EAST ELEVATION  
3/8" = 1'-0"



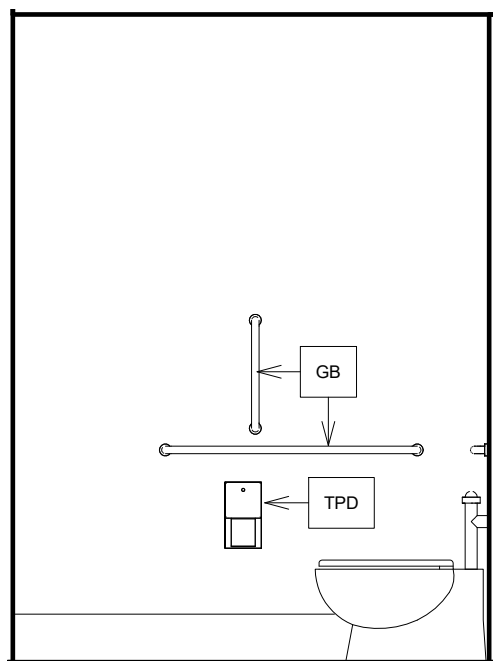
16 RR 123 SOUTH ELEVATION  
3/8" = 1'-0"



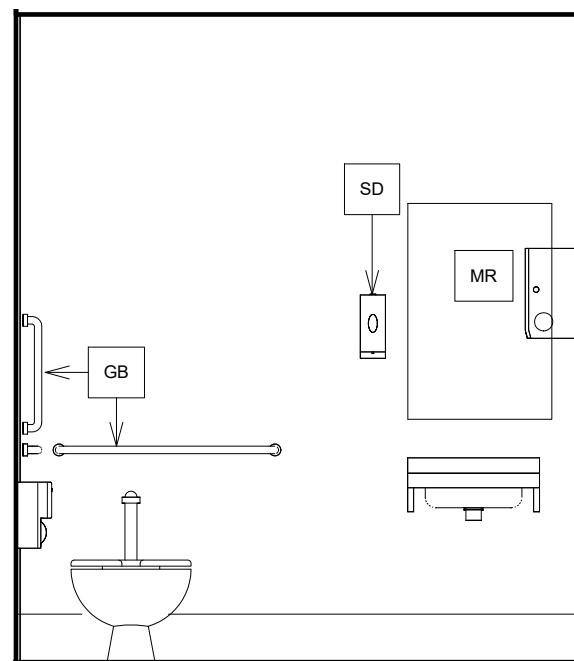
17 RR 123 WEST ELEVATION  
3/8" = 1'-0"



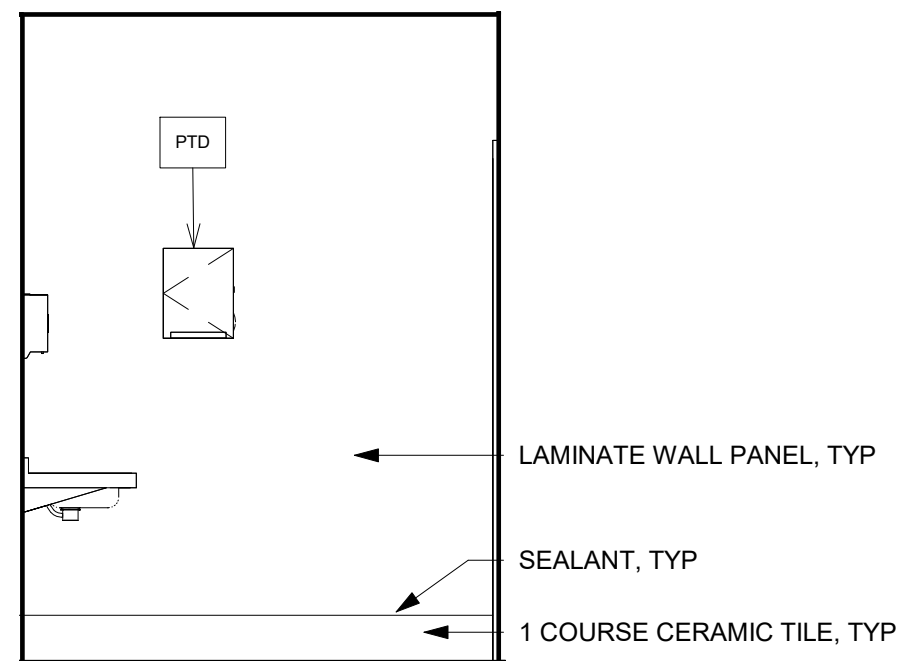
19 STAFF RR NORTH ELEVATION  
3/8" = 1'-0"



20 STAFF RR EAST ELEVATION  
3/8" = 1'-0"



21 STAFF RR SOUTH ELEVATION  
3/8" = 1'-0"



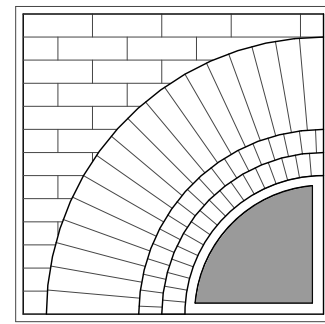
22 STAFF RR WEST ELEVATION  
3/8" = 1'-0"

TOILET ROOM ACCESSORIES	
MARK	ACCESSORY
TPD	TOILET PAPER DISPENSER
PTD	PAPER TOWEL DISPENSER
MR	MIRROR
GB	GRAB BAR
BCS	BABY CHANGING STATION
SD	SOAP DISPENSER
AHD	AUTOMATIC HAND DRYER
NOTES	
1. PROVIDE SOLID WOOD BLOCKING IN ALL DRYWALL PARTITIONS FOR MOUNTING OF TOILET ACCESSORIES	
2. INSTALL PER MANUFACTURERS INSTRUCTIONS FOR H.C. ACCESSIBILITY.	
* ALL DIMENSIONS SHOWN TO TOILET ACCESSORIES AND FIXTURES ARE FROM FACE OF FINISH	

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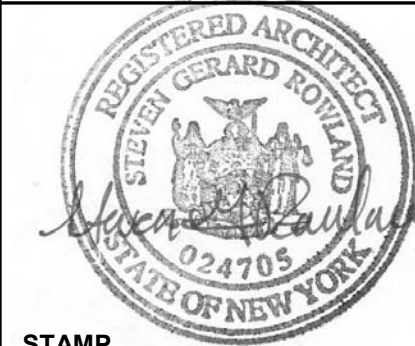
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SCALE: As Indicated  
JOB NO.: 23-46-06  
DATE: 02/03/25

#### RESTROOM PLANS & ELEVATIONS

#### TITLE

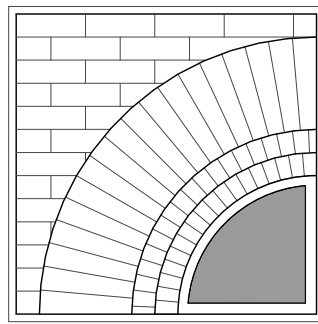
**A400**

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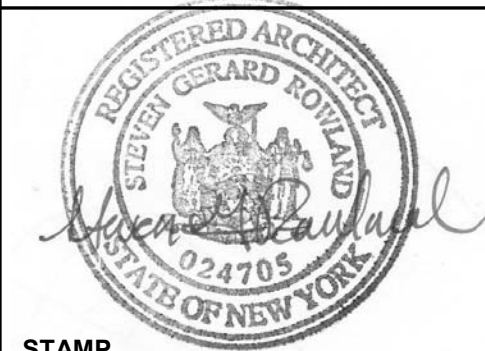
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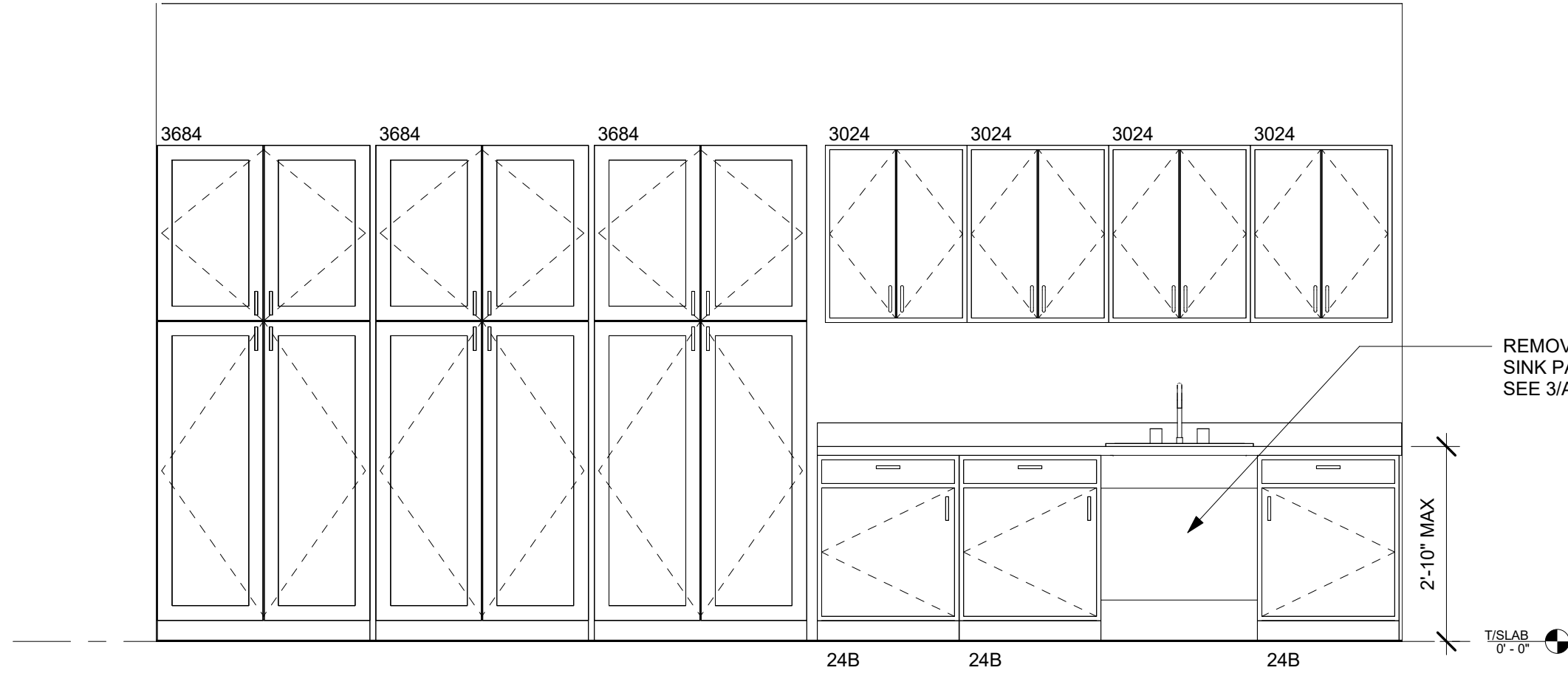
DWN. BY: Author  
SCALE: As Indicated  
JOB NO.: 23-46-06  
DATE: 03/12/25

**MILLWORK**

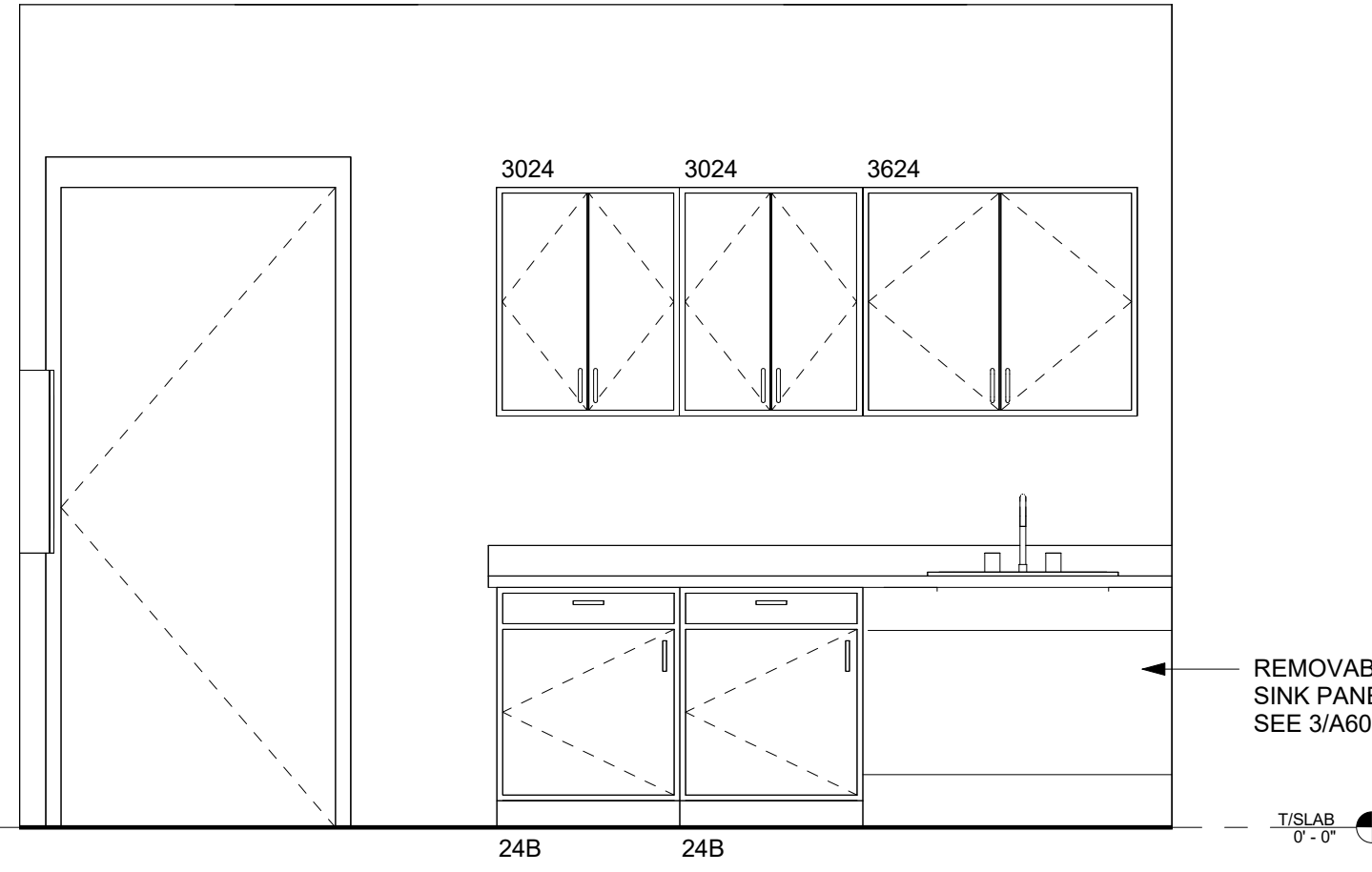
**TITLE**

**A600**

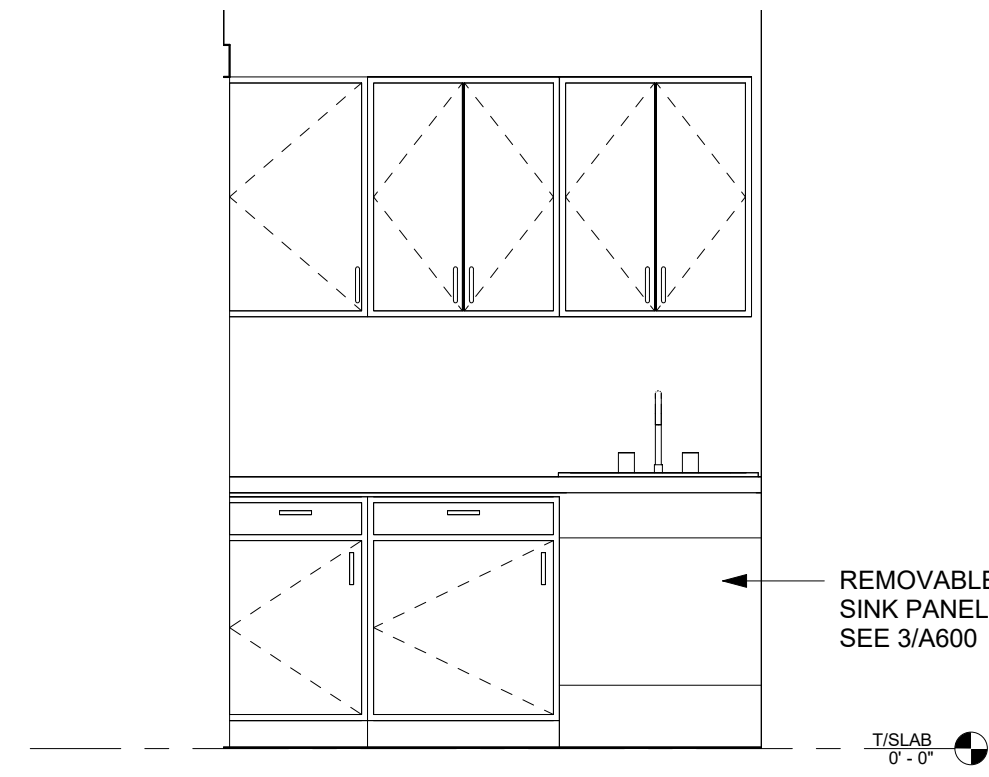
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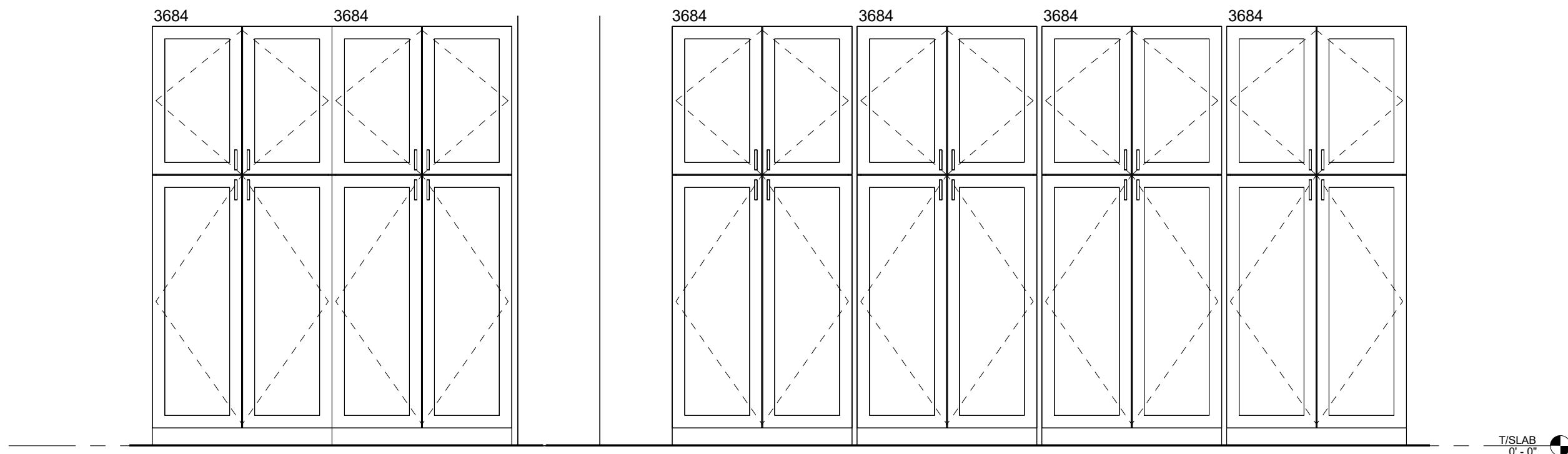
1 PROGRAM ROOM MILLWORK  
ELEVATION  
1/2" = 1'-0"



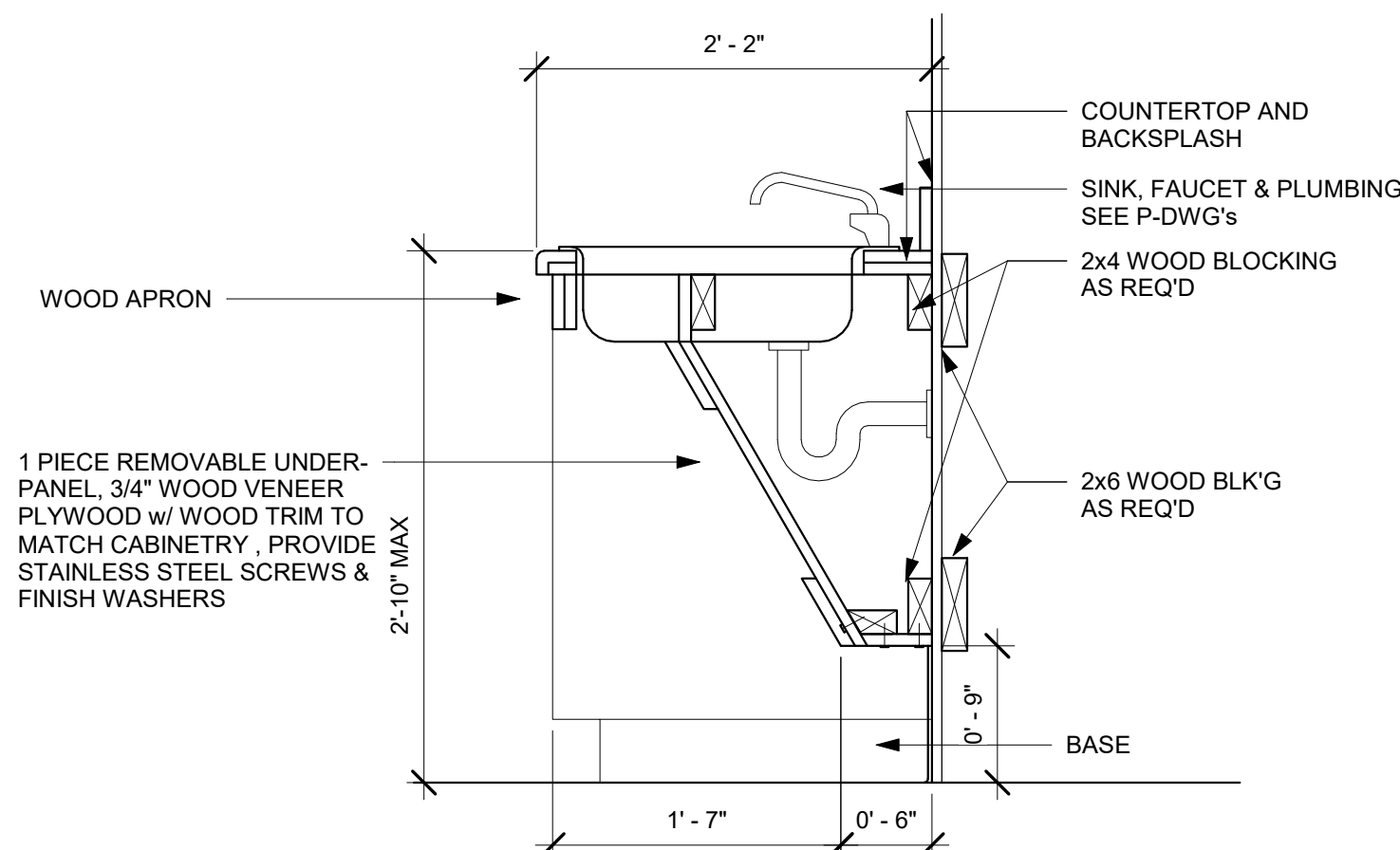
2 STAFF ROOM MILLWORK ELEVATION  
1/2" = 1'-0"



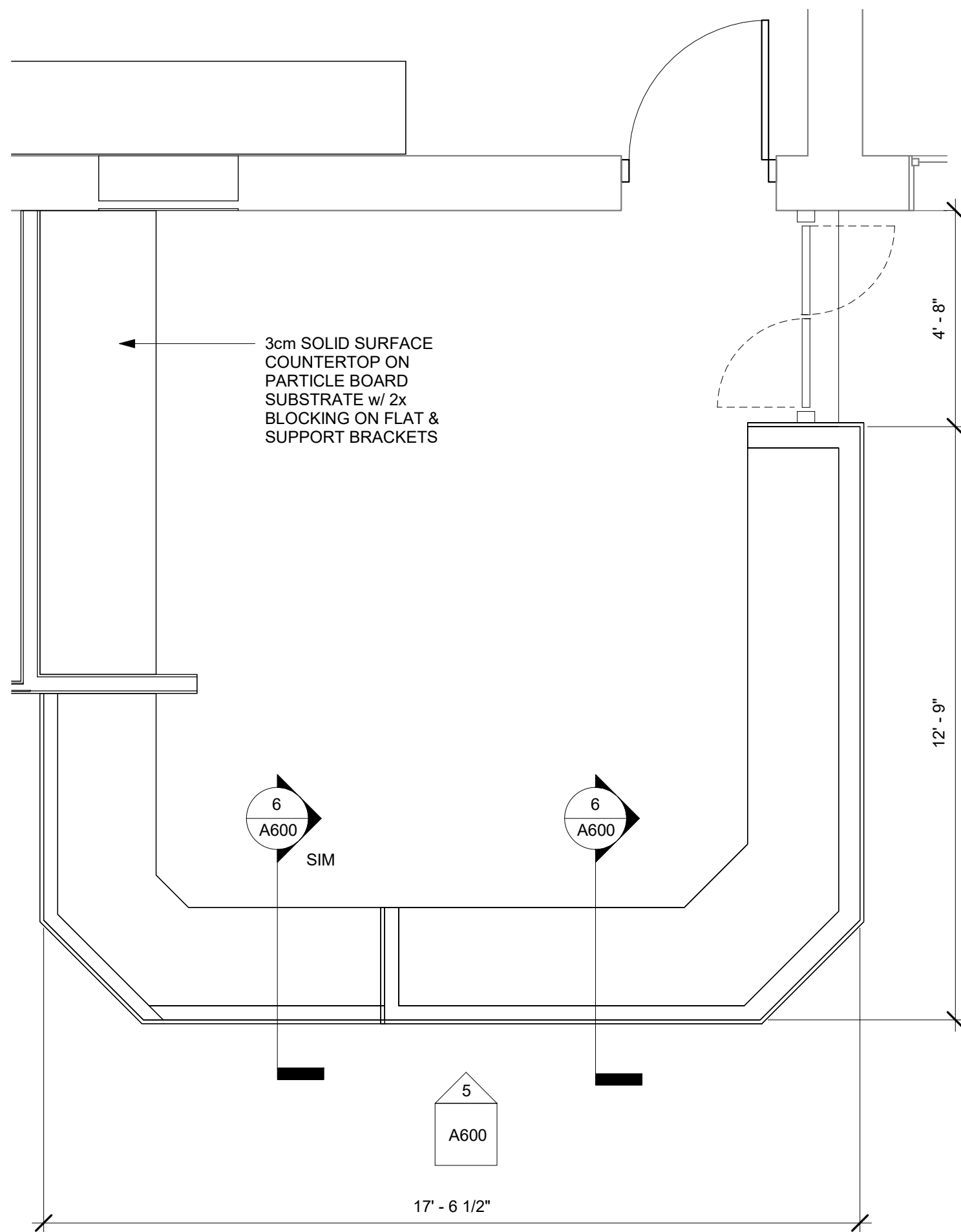
9 KITCHENETTE ELEVATION  
1/2" = 1'-0"



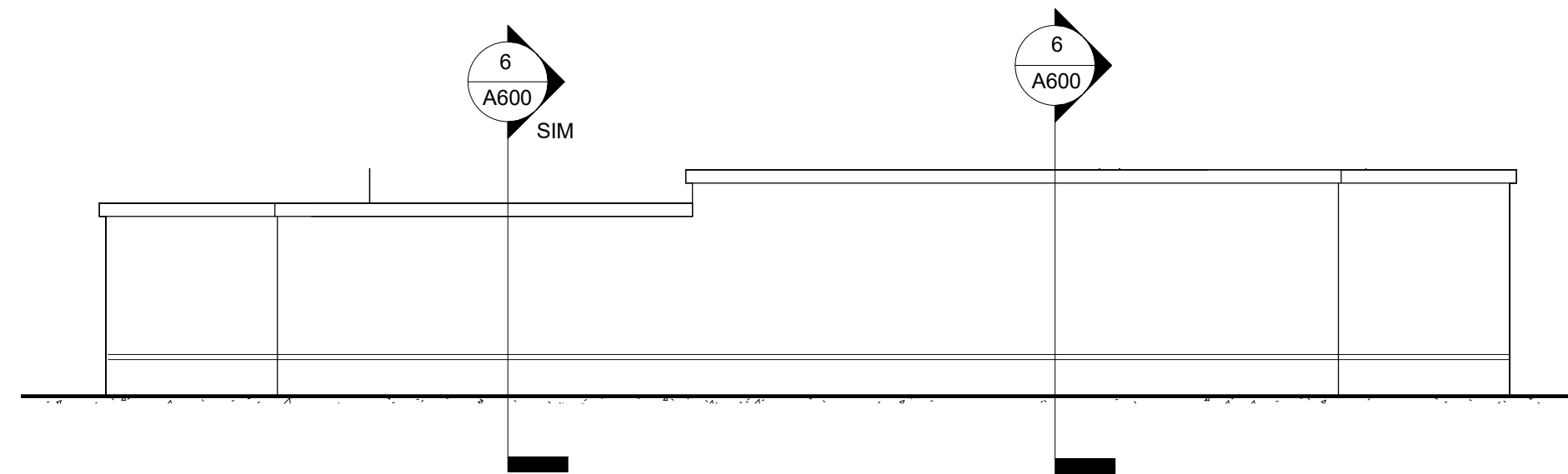
10 MEETING ROOM MILLWORK  
1/2" = 1'-0"



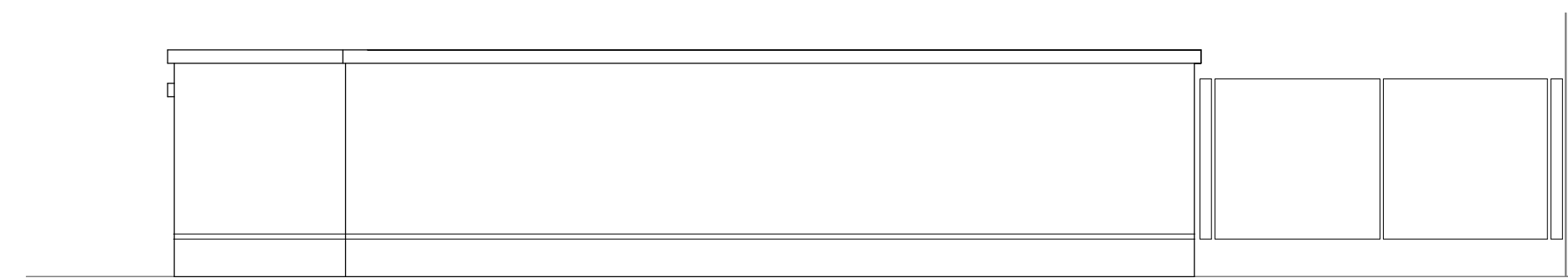
SECTION AT (3) SINKS - WIDTH VARIES,  
VIF  
3 1" = 1'-0"



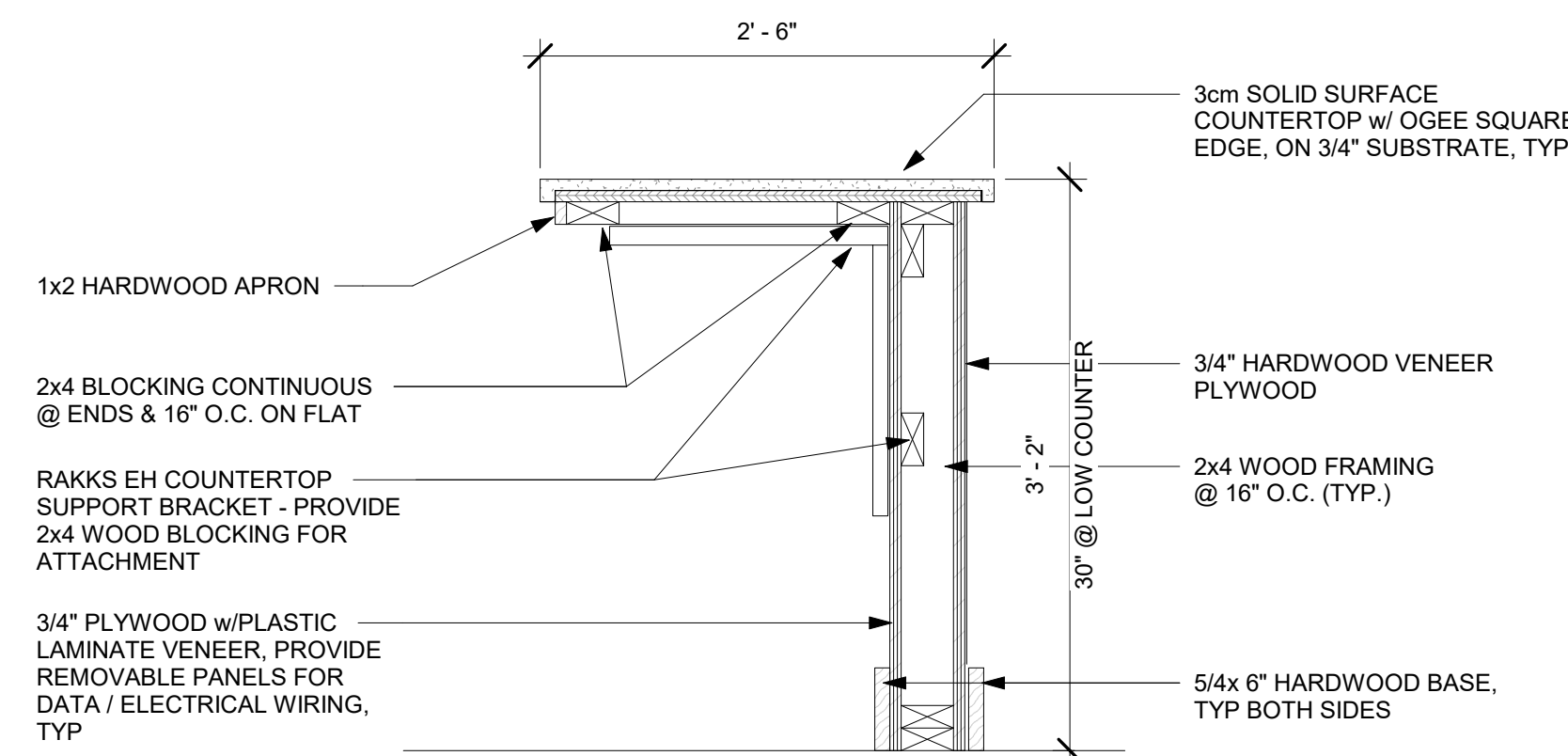
4 CIRC DESK PLAN  
3/8" = 1'-0"



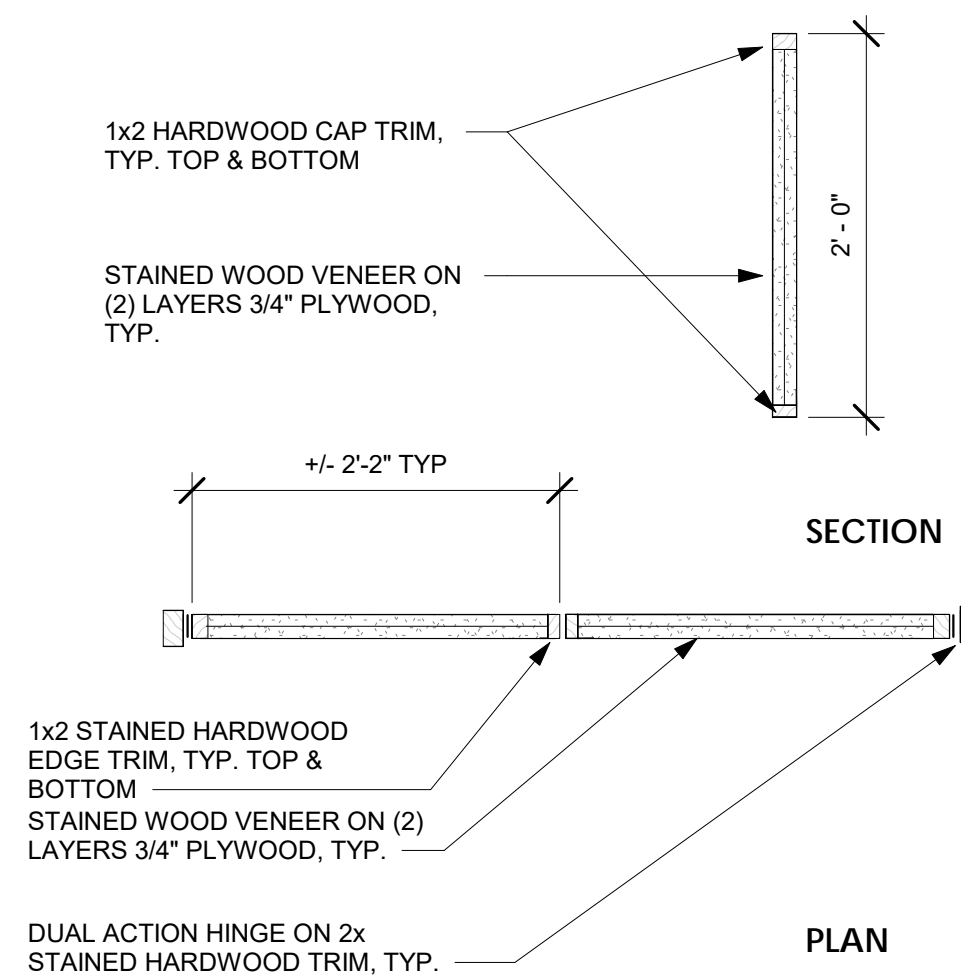
5 CIRC DESK FRONT ELEVATION  
1/2" = 1'-0"



7 CIRC DESK SIDE ELEVATION  
1/2" = 1'-0"

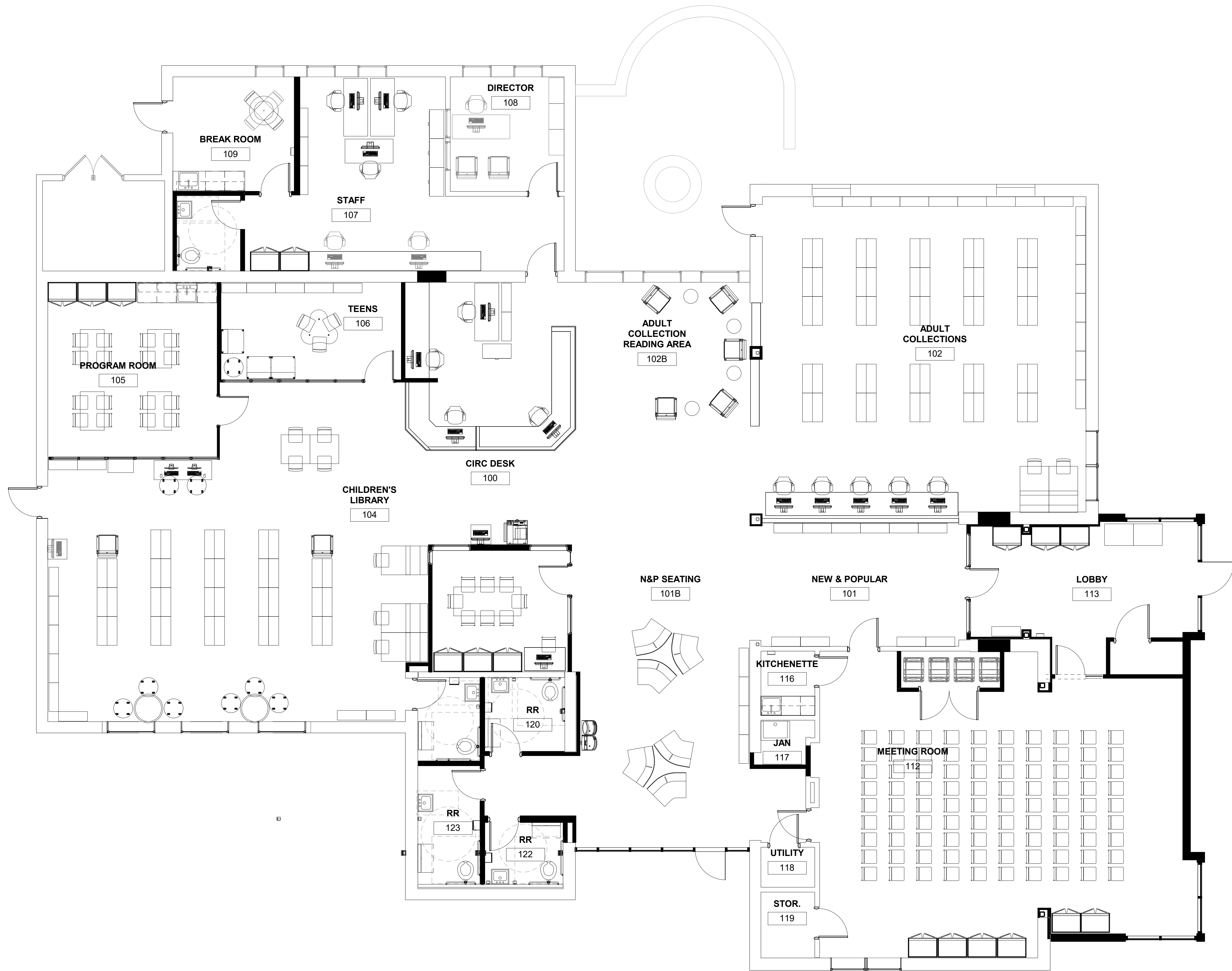


6 TYPICAL DESK SECTION  
1" = 1'-0"



8 GATE DETAIL  
1" = 1'-0"



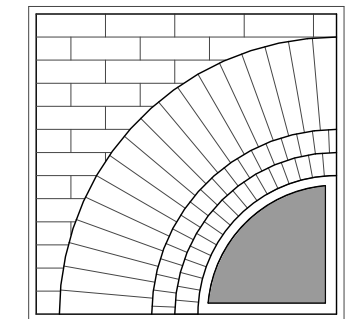


1 FURNITURE FLOOR PLAN  
3/16" = 1'-0"

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SCALE: 3/16" = 1'-0"  
JOB NO.: 23-48-08  
DATE: 11/08/23

**FURNITURE  
PLAN**

TITLE

**F100**

DWG. NO.



MIXING VALVE SCHEDULE										
TAG	LOCATION	SERVICE	MIN FLOW (GPM)	DESIGN FLOW (GPM)	DESIGN FLOW DELTA-P PSI	HOT WATER TEMP.	COLD WATER TEMP	MIXED WATER TEMP	BASIS OF DESIGN	REMARKS
TMV-1	BELOW LAVATORY FAUCET	SEE PLANS	0.5	5	5	140°F	50°F	110°F	CHICAGO FAUCET 131-ABNF	1, 2, 3, 4
NOTES: 1. COLD WATER TEMPERATURE WILL VARY. 2. LEAD FREE. 3. MIXING VALVE SHALL BE ASSE 1017 COMPLIANT. 4. MIXING VALVE SHALL BE ASSE 1070 COMPLIANT.										

EXPANSION TANK SCHEDULE										
TAG	TYPE	CAPACITY (GAL)	MIN TEMP (DEG. F)	MAX TEMP (DEG. F)	MIN. PRES (PSIG)	MAX PRES (PSIG)	DIA (IN)	HEIGHT (IN)	BASIS OF DESIGN MFG. AND MODEL	REMARKS
ET-1	VERT ASME DIAPHRAGM	2.1	50	120	20	125	10 "	10"	THERM-X-TROL ST-5-C	DOMESTIC HOT WATER

PIPE INSULATION THICKNESS									
FLUID OPERATING TEMPERATURE RANGE AND USAGE (°F)	INSULATION CONDUCTIVITY		NOMINAL PIPE OR TUBE SIZE (INCHES)						REMARKS
	CONDUCTIVITY BTU-IN/(H*FT**F)	MEAN RATING TEMPERATURE (°F)	<1	1 TO 1-1/2	1-1/2 TO <4	4 TO <8	≥8		
105 - 140 DOMESTIC HOT WATER	0.21-0.28	100	1	1	1.5	1.5	1.5		
40-60 DOMESTIC COLD WATER	0.21-0.27	75	0.5	0.5	1	1	1		
1. FOR OUTDOOR PIPING PROVIDE DOUBLE THE INSULATION THICKNESS LISTED AND WEATHER PROOF JACKET (ALUMAGUARD). 2. FOR PIPING SMALLER THAN 1-1/2" AND LOCATED IN PARTITIONS WITHIN CONDITIONED SPACES, REDUCTION OF THESE THICKNESS BY 1 INCH SHALL BE PERMITTED, REVIEW ENERGY CONSERVATION CODE. 3. FOR PIPING IN MECHANICAL ROOMS, PROVIDE ALUMINUM INSULATION JACKET FOR ALL PIPING FROM FLOOR LEVEL TO 10' ABOVE THE FLOOR. 4. FOR CHILLED WATER AND CHILLED GLYCOL SYSTEMS PROVIDE CONTINUOUS INSULATION AT VALVES. 4a. FOR CHILLED WATER AND CHILLED GLYCOL SYSTEMS, PROVIDE REUSABLE VALVE WRAPS COVERS (NOSWEAT REUSABLE VALVE WRAPS.) 5. FOR HOT WATER AND GLYCOL SYSTEMS, PROVIDE REUSABLE VALVE WRAPS COVERS. (NOSWEAT REUSABLE VALVE WRAPS.)									

PLUMBING FIXTURE SCHEDULE									
TAG	FIXTURE TYPE	BASIS OF DESIGN MANUFACTURER	MODEL NO.	MAXIMUM FIXTURE FLOW RATES	CONNECTION SIZE				REMARKS
					CW	HW	W	V	
WC-1	WATER CLOSET (ADA HEIGHT), WALL MOUNTED	TOTO	GHE20313	1.28 GALLONS PER FLUSH	1/2"	-	3"	2"	2. WALL MOUNTED W/ CARRIER, TOTO TET6LA, 1.28 GPF TURBINE/CAPACITOR HYDROELECTRIC POWERED FLUSH VALVE, 1.5" TOP SPUD, ELONGATED BOWL, ASME A112.19.15" RIM HEIGHT, HEAVY DUTY OPEN FRONT SEAT, (2)
LAV-1	WALL-HUNG (ADA HEIGHT) LAVATORY	KOHLER	K02005	0.5 GPM @ 60 PSI	1/2"	1/2"	1 1/2"	1 1/2"	1, 3, 4, 5. PROVIDE MANUAL ADA FAUCET, LEVER HANDLE ( KOHKER K-15243-4RA). 0.5 GPM, ADA TRIM-INSULATED, ADA/ANSI-A117.1. (1) (3) (4)
KSK-1	SINGLE BOWL SINK	ELKAY	LR2522	2.2 GPM @ 60 PSI	1/2"	1/2"	1 1/2"	1 1/2"	PROVIDE 3 HOLE DELTA 400-DST FAUCET WITH SPRAY, SUPPLIES, P-TRAP, BASKET STRAINER
KSK-2	SINGLE BOWL SINK	ELKAY	LR2522	2.2 GPM @ 60 PSI	1/2"	1/2"	1 1/2"	1 1/2"	PROVIDE 3 HOLE DELTA 400-DST FAUCET WITH SPRAY, SUPPLIES, P-TRAP, BASKET STRAINER
KSK-3	SINGLE BOWL SINK	ELKAY	LR2522	2.2 GPM @ 60 PSI	1/2"	1/2"	1 1/2"	1 1/2"	REPLACE EXISTING DROP-IN SINK, PROVIDE 3 HOLE DELTA 400-DST FAUCET WITH SPRAY, SUPPLIES, P-TRAP, BASKET STRAINER
FD-1	FLOOR DRAIN	JR SMITH	2005	N/A	-	-	3"	1 /12"	DURA-COATED CAST IRON BODY, POLISHED NICKEL BRONZE STRAINER 6" DIA., HEEL PROOF & ADJUSTABLE, LIGHT DUTY, WITRAP SEAL PRIME DEVICE STABILIZER RING
DPCO-1	DECK PLATE CLEANOUT	JR SMITH	4031	N/A	-	-	VARIES	-	ROUND, POLISHED BRONZE NON-SLIP COVER, DIAMOND PATTERN.
EW-1	ADA WATER COOLER WITH BOTTLE FILER	ELKAY	LZSTL8WSP	N/A	1/2"	-	2"	-	DUAL FOUNTAIN UNIT W/BOTTLE FILLER, ADA, STAINLESS STEEL W/ AIR COOLED CHILLER, NSF/ANSI STD 53 & 42, 7.5 GPH @ 50°F, STANDARD HEIGHT X ADA. PROVIDE ACCESSORY APRON CANE MODEL 98324C, STAINLESS STEEL CONSTRUCTION TO MAINTAIN THE MANDATORY ADA 27" FLOOR TO UNDERSIDE REQUIREMENT.
MSB-1	MOP SINK	FIAT	TSB-100	2.2 GPM @ 60 PSI	3/4"	3/4"	3"	2"	PROVIDE FIAT 830-AA FAUCET WITH VACUUM BREAKER, PAIL HOOK AND 3/4" HOSE THREADED SPOUT
RD-1	ROOF DRAIN AND OVERFLOW DRAIN	JR SMITH	1800	N/A	-	-	SEE PLAN	-	STANDARD AND EMERGENCY ROOF DRAIN, LARGE LOW PROFILE POLYETHYLENE DOME, CAST IRON BODIES, COMBINED FLASHING CLAMP AND GRAVEL STOP AND UNDERDECK CLAMP, 3 1/2" HIGH INTERNAL WATER DAM STANDPIPE
DS-1	OVERFLOW DRAIN SPOUT	JR SMITH	1775	N/A	-	-	SEE PLAN	-	FLAP COVER AT ABOVE GRADE OUTLETS, SIZE PER DRAWINGS, HINGED PERFORATED COVER, STAINLESS STEEL FINISH.
GCO-1	GRADE CLEANOUT	JR SMITH	4250	N/A	-	-	4"	-	FLOOR CLEANOUT FOR UNFINISHED AREA, ROUND FLANGED HOUSING WITH HEAVY DUTY CAST IRON COVER
1. PROVIDE FAUCET, C/W/H/W, STOPS AND WASTE TRIM. MEET ANS/ADA REQUIREMENTS AT ADA FIXTURES. 2. ERGO HEIGHT ADA ELONGATED TOTE WITH FLUSHMATE PRESSURE VESSEL WITH EXTRA LARGE DUAL FED SIPHON JETS FOR HIGH POWER BOWL CLEANING, PROVIDE TOILET SEAT (G0099216). 3. LAVATORY'S SHALL HAVE A MANUAL FAUCET SETS, 4" CC. 4. LAVATORY SHALL HAVE AN ADJUSTABLE THERMOSTATIC SETTING FOR 120°F WATER IN - 105°F WATER OUT ON THE FAUCET DISCHARGE. 5. WITH GRIDDED DRAIN OFFSET TAIL PIECE, PIPING SAFETY COVERS.									

FITTINGS FOR CHANGE IN DIRECTION			
TYPE OF FITTING PATTERN	CHANGE IN DIRECTION		
	HORIZONTAL TO VERTICAL	VERTICAL TO HORIZONTAL	HORIZONTAL TO HORIZONTAL
SIXTEENTH BEND	X	X	X
EIGHTH BEND	X	X	X
SIXTH BEND	X	X	X
QUARTER BEND	X	X(a)	X(a)
SHORT SWEEP	X	X(a,b)	X(a,b)
LONG SWEEP	X	X	X
SANITARY TEE	X	-	-
WYE	X	X	X
COMBINATION WYE AND EIGHTH BEND	X	X	X
a. THE FITTING SHALL ONLY BE PERMITTED FOR A 2-INCH OR SMALLER FIXTURE DRAIN. b. THREE INCHES OR LARGER.			

IN-LINE CIRCULATOR PUMP SCHEDULE										
TAG	SERVING	TYPE	CAPACITY (GPM)	HEAD (FT)	ELECTRICAL			RPM	BASIS OF DESIGN	REMARKS
					VOLTS	PHASE	HP			
RP-1	WH-1	CARTRIDGE	3	30	120	1	1/6	3250	TACO 0013-MSSFT-IFC	1, 2, 3, 4, 5, 6
1. 3-SPEED STAINLESS STEEL CONSTRUCTION. 2. PROVIDE WITH DIGITAL TIMER TACO 265-3 OR EQUAL. 3. CIRCULATING HOT WATER PUMP 3/4" CONNECTIONS. 4. PUMP RUNS CONTINUOUSLY DURING OCCUPIED HOURS. 5. PROVIDE WITH ISOLATION VALVES. 6. PROVIDE PIPING FLANGES AS BRONZE OR STAINLESS STEEL										

ELECTRIC WATER HEATER SCHEDULE									
TAG	LOCATION	CAPACITY (WATTS)	SIZE (GAL)	OPERATING TEMP., (DEG. F)	RECOVERY (GPH AT 100 DEG. F)	ELECTRICAL		BASIS OF DESIGN MANUFACTURER & MODEL	REMARKS
						VOLTS	PHASE		
WH-3	1ST FLOOR 1-08 UTILITY RM	1440	6	140	N/A	120	1	EEMAX MINI TANK EMT4	2, 3, 4
1. PROVIDE WATER HEATER WITH DIELECTRIC HEAT TRAPS NIPPLES ON THE HOT AND COLD WATER CONNECTIONS. 2. INSTALL PER MANUFACTURER INSTALLATION INSTRUCTIONS. 3. MIXING VALVE SHALL MEET ASSE 1070, NO ADDITIONAL MIXING VALVE REQUIRED. 4. MOUNT ON WALL INSIDE CABINET ADJACENT TO SINK, PIPE RELIEF VALVE DISCHARGE TO FLOOR.									

GENERAL NOTES:

- PITCH ALL WATER LINES TO DRAIN, PROVIDE SHUTOFF VALVES ON ALL DOMESTIC COLD AND HOT WATER SUPPLY PIPING TO INDIVIDUAL FIXTURES.
- PIPING SHALL RUN CONCEALED IN ALL AREAS WITH THE EXCEPTION OF MECHANICAL ROOMS OR WHERE NO CEILING EXISTS.
- ALL DOMESTIC WATER PIPING PRESSURE TESTS SHALL BE CONDUCTED PRIOR TO INSTALLATION OF PIPING INSULATION.
- INSTALL DIELECTRIC CONNECTORS BETWEEN DISSIMILAR MATERIALS.
- INSTALL HORIZONTAL RUNS OF DOMESTIC COLD AND HOT WATER PIPE AS HIGH AS POSSIBLE, PROVIDE DRAW-OFFS AT ALL LOW POINTS WITH 3/4" HOSE VALVE AND CAP CONNECTION.
- REFER TO EQUIPMENT SCHEDULES, DETAILS AND RISER DIAGRAMS FOR SIZES NOT SHOWN ON FLOOR PLANS.
- PROVIDE CLEANOUTS AT THE BASE OF ALL SANITARY AND STORM RISERS.
- PROVIDE DOMESTIC CW, HW ISOLATION VALVES TO ALL BATHROOM GROUP FIXTURES.
- PROVIDE CUTTING & PATCHING OF EXISTING STRUCTURAL REINFORCED FLOOR SLAB AT GROUND LEVEL UNDER SLAB PIPING SHALL BE SET AT A SLOPE AND PITCH OF 1/8" PER FT. MINIMUM AND SUPPORTED TO PROVIDE FOR PATCHING WORK.
- CLEAN AND VELOCITY FLUSH EXISTING BELOW SLAB SANITARY PIPING ON GROUND FLOOR SCHEDULED TO REMAIN IN SERVICE. PROVIDE ADEQUATE FLOWS TO FLUSH PIPING AT 1/2 FULL CAPACITY MINIMUM.
- VERTICALLY SUPPORT ALL RISERS AND STACKS AT EACH FLOOR AND SECURE TO WALLS PER SPECIFIED SPACING.
- ALL OPERATING VALVES, BALANCING VALVES AND WATER HAMMER ARRESTORS SHALL BE PLACED WHERE ACCESSIBLE AND MAINTAINABLE WITHIN CEILINGS AND CHASES.
- CONFIRM WALL AND FLOOR CONDITIONS WITH FINISHES AND ACCOMMODATE PLUMBING FIXTURE PLACEMENTS WITH TRIM.
- LAVATORIES AND KITCHEN SINKS SHALL BE PROVIDED WITH A MIXING VALVE TO DELIVER 110°F HOT WATER.

LEGEND & ABBREVIATIONS

	PIPING OR EQUIPMENT REMOVALS
	ELBOW - UP
	ELBOW - DN
	BRANCH - TOP OF PIPE
	BRANCH - BOTTOM OF PIPE
	CAP
	UNION
	BALL VALVE (TYPICAL)
	SWING CHECK VALVE
	PRESSURE REDUCING VALVE
	PRESSURE GAUGE
	STRAINER
	DECK PLATE CLEANOUT
	FLOOR DRAIN
	COLD WATER PIPING
	HOT WATER PIPING
	HOT WATER RECIRC. PIPING
	BELOW SLAB SANITARY PIPING
	ABOVE SLAB SANITARY PIPING
	SANITARY VENT PIPING
	STORM PIPING
	REMOVAL POINT
	CONNECTION POINT
	KEYED NOTE
	KEYED NOTE
	ABOVE FINISH FLOOR
	ABOVE FINISHED GRADE
	CLEAN OUT
	CONTINUATION
	COLD WATER
	DOMESTIC COLD WATER
	DETAIL
	DRINKING FOUNTAIN
	DOWN
	DRAWING
	FLOOR CLEANOUT
	DOWN SPOUT
	ELECTRICAL CONTRACTOR
	EMERGENCY EYEWASH STATION
	ELECTRIC WATER HEATER
	ELECTRIC WATER COOLER
	EXISTING
	FLOOR DRAIN
	FROST FREE HOSE BIBB
	GAS
	HOSE BIB
	HOT WATER
	HOT WATER RECIRCULATING
	INVERT ELEVATION
	LAVATORY
	ROOF DRAIN
	CIRCULATION PUMP
	ROOFTOP UNIT
	ROOF LEADER
	SANITARY
	STORM
	THROUGH
	TEMPERATURE AND PRESSURE RELIEF VALVE
	VENT THRU ROOF
	WATER CLOSET
	WATER HEATER
	WALL CLEAN OUT
	WATER HAMMER ARRESTOR

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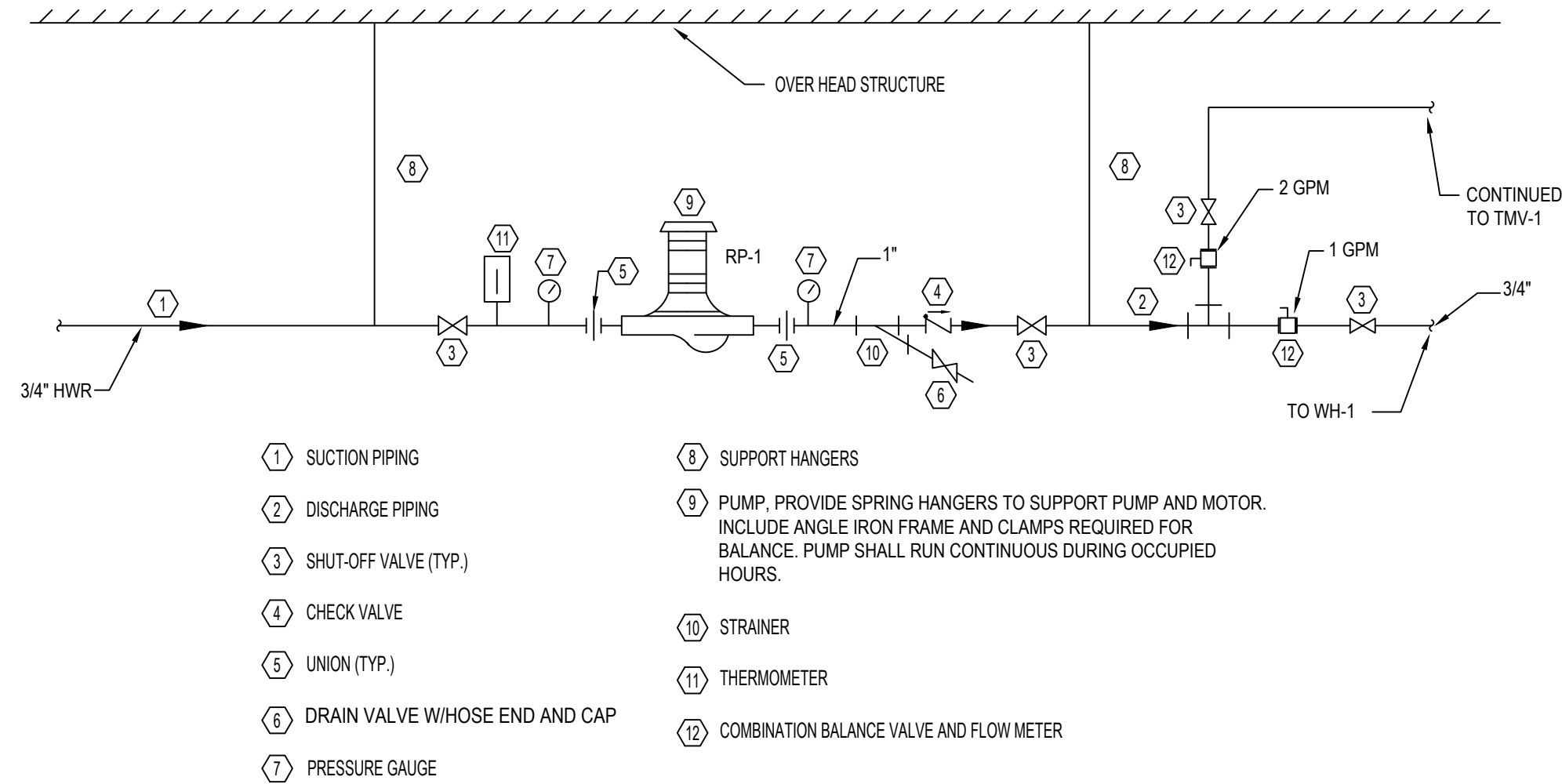
LEGEND, SYMBOLS AND DETAILS

TITLE

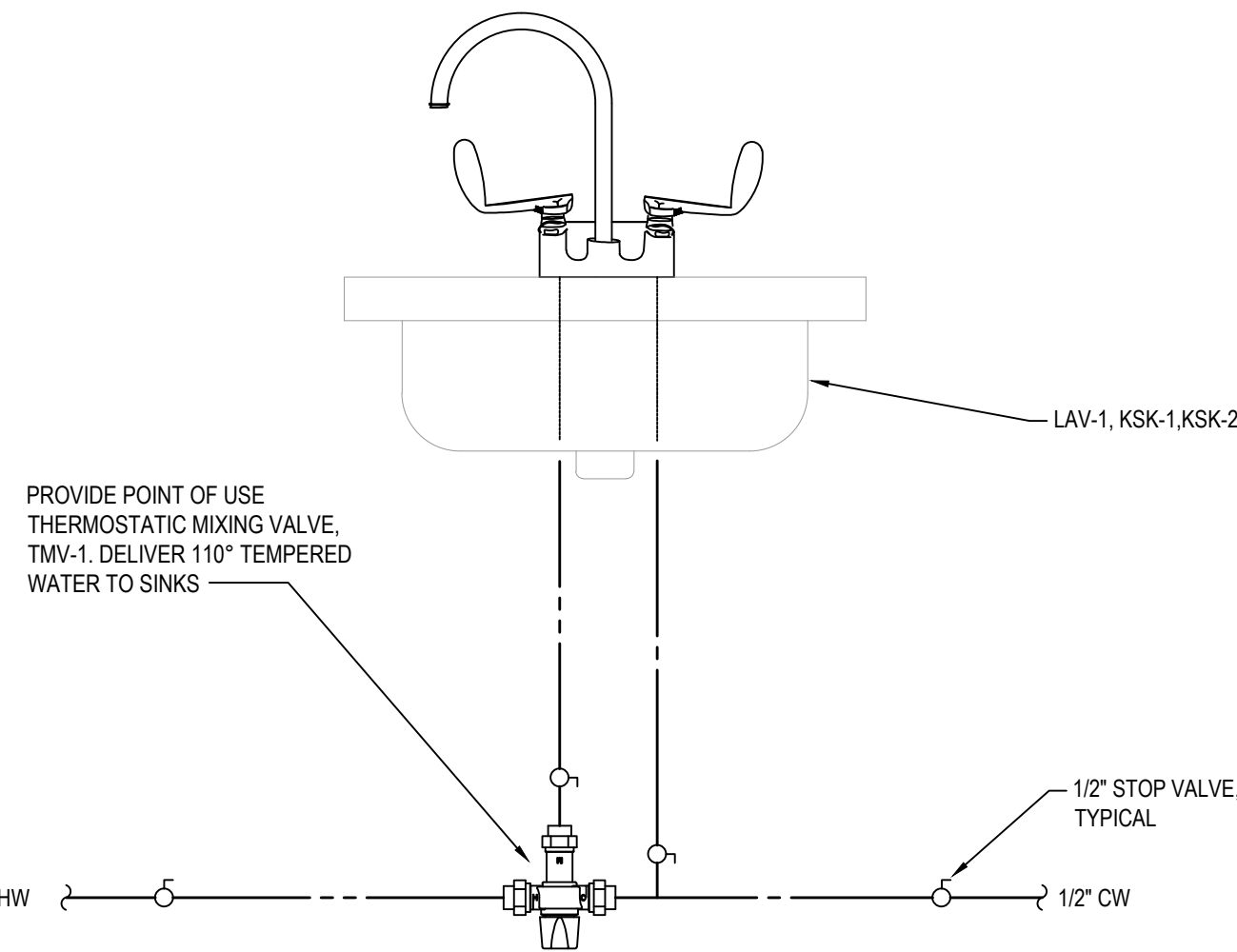
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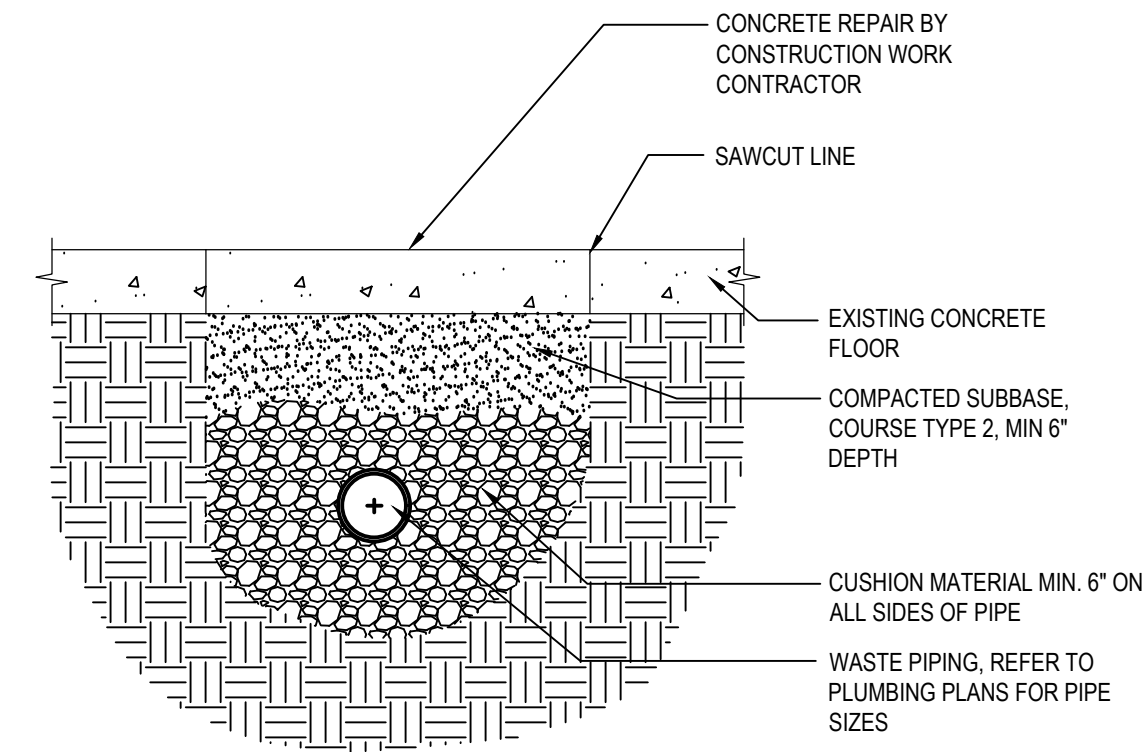




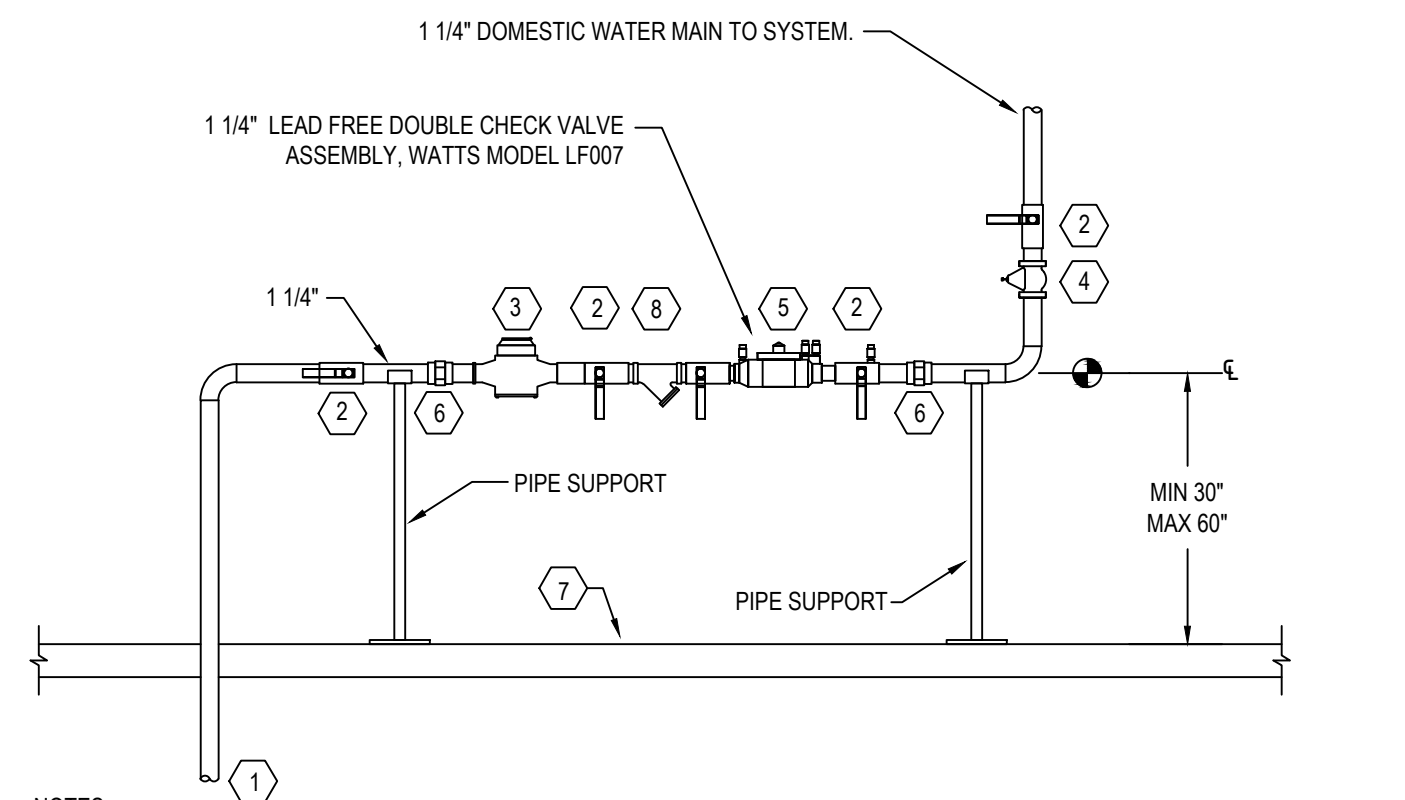
1 **INLINE PUMP DETAIL**  
P-002 SCALE: N.T.S.



2 **LAVATORY/SINK MIXING VALVE DETAIL**  
P-002 SCALE: N.T.S.

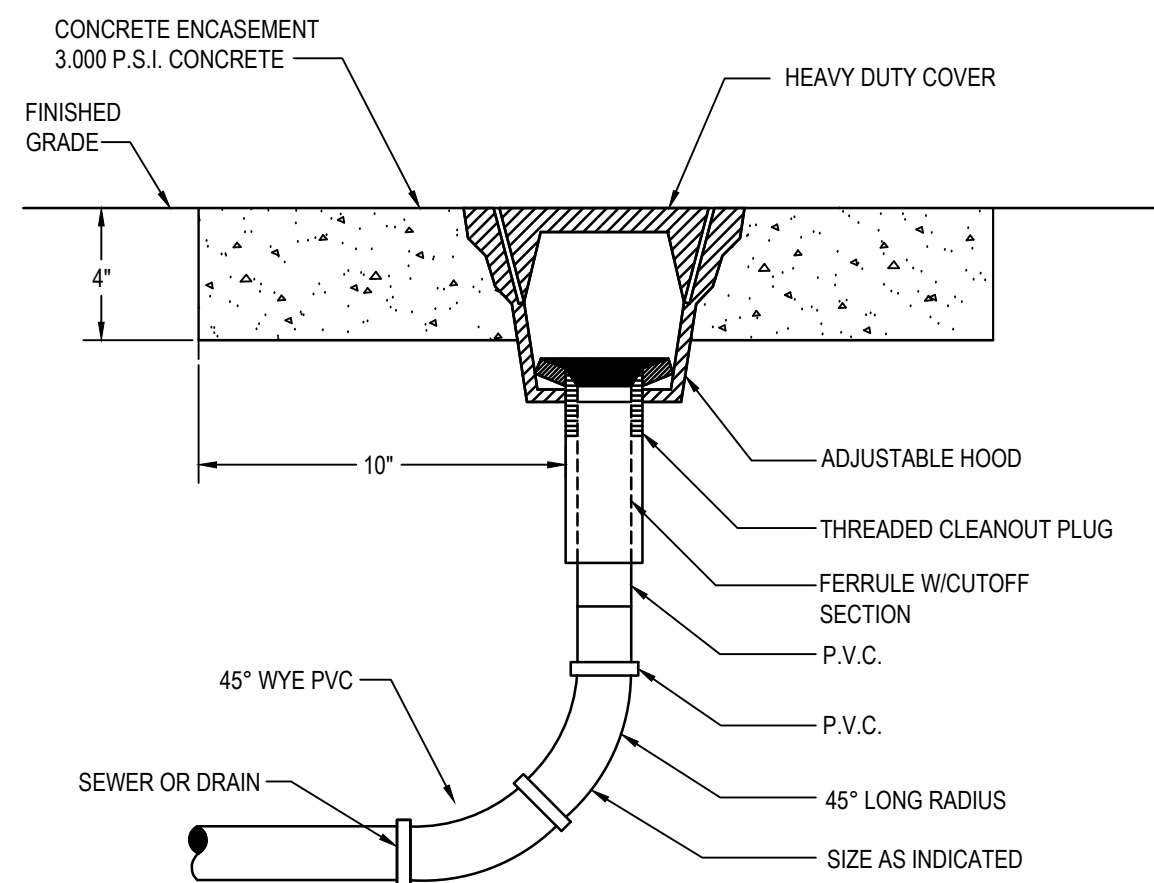


3 **PIPE TRENCH DETAIL**  
P-002 SCALE: N.T.S.

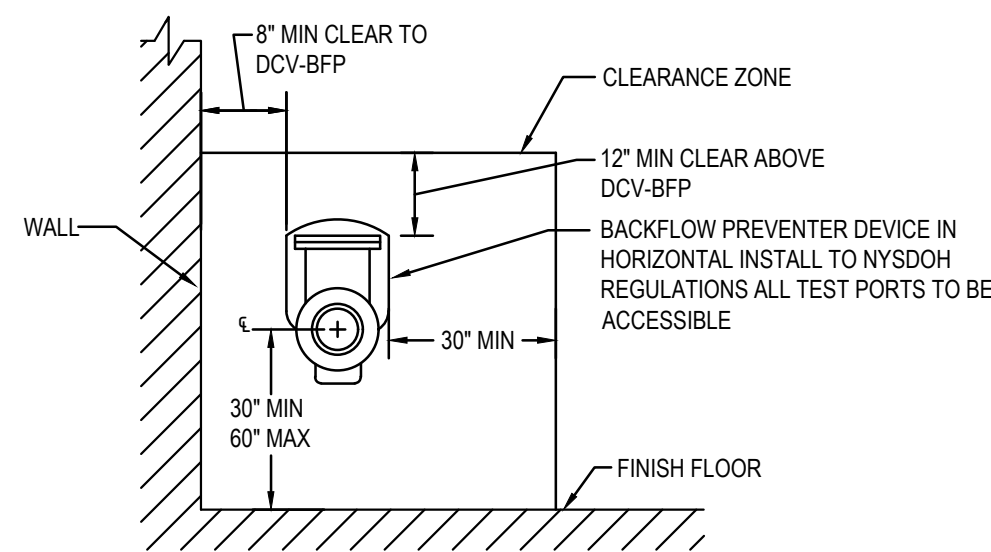


- NOTES:**
- DEVICE CENTER LINE TO BE 30" TO 60" ABOVE FINISHED FLOOR.
  - THERE WILL BE A MINIMUM CLEARANCE OF 12" ABOVE UNIT.
  - THERE WILL BE A MINIMUM OF 30" IN FRONT OF UNIT.
  - THERE WILL BE A MINIMUM OF 8" OFF BACK SIDE OF UNIT.
- | ITEM | DESCRIPTION                          |
|------|--------------------------------------|
| 1    | INCOMING 1 1/4" WATER SERVICE        |
| 2    | BALL VALVE                           |
| 3    | DOMESTIC WATER METER                 |
| 4    | WATER PRESSURE REDUCING VALVE        |
| 5    | DOUBLE CHECK VALVE WATTS MODEL LF007 |
| 6    | UNION                                |
| 7    | FINISHED FLOOR                       |
| 8    | STRAINER                             |

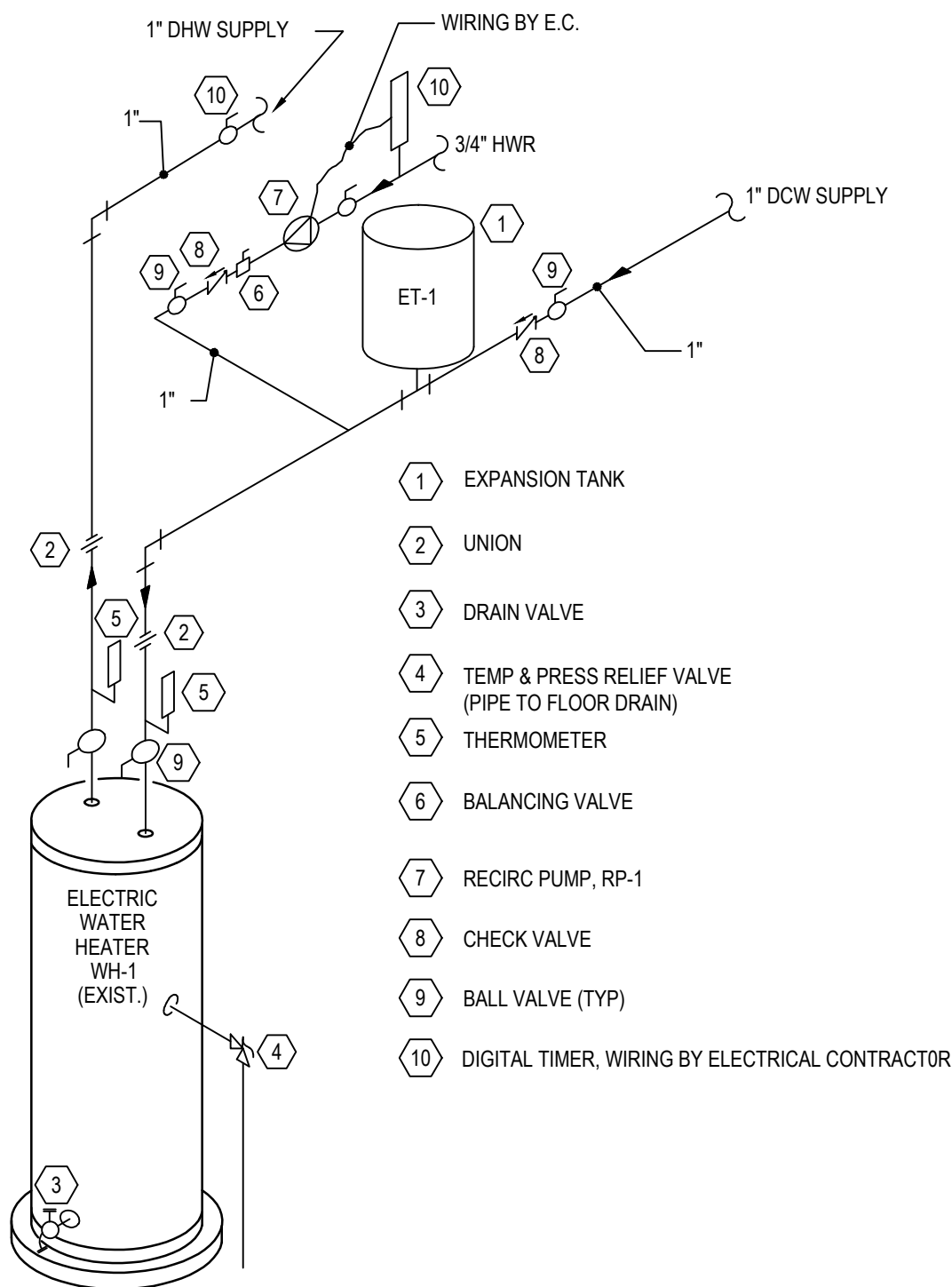
4 **DOMESTIC WATER MAIN RISER DETAIL**  
P-002 SCALE: N.T.S.



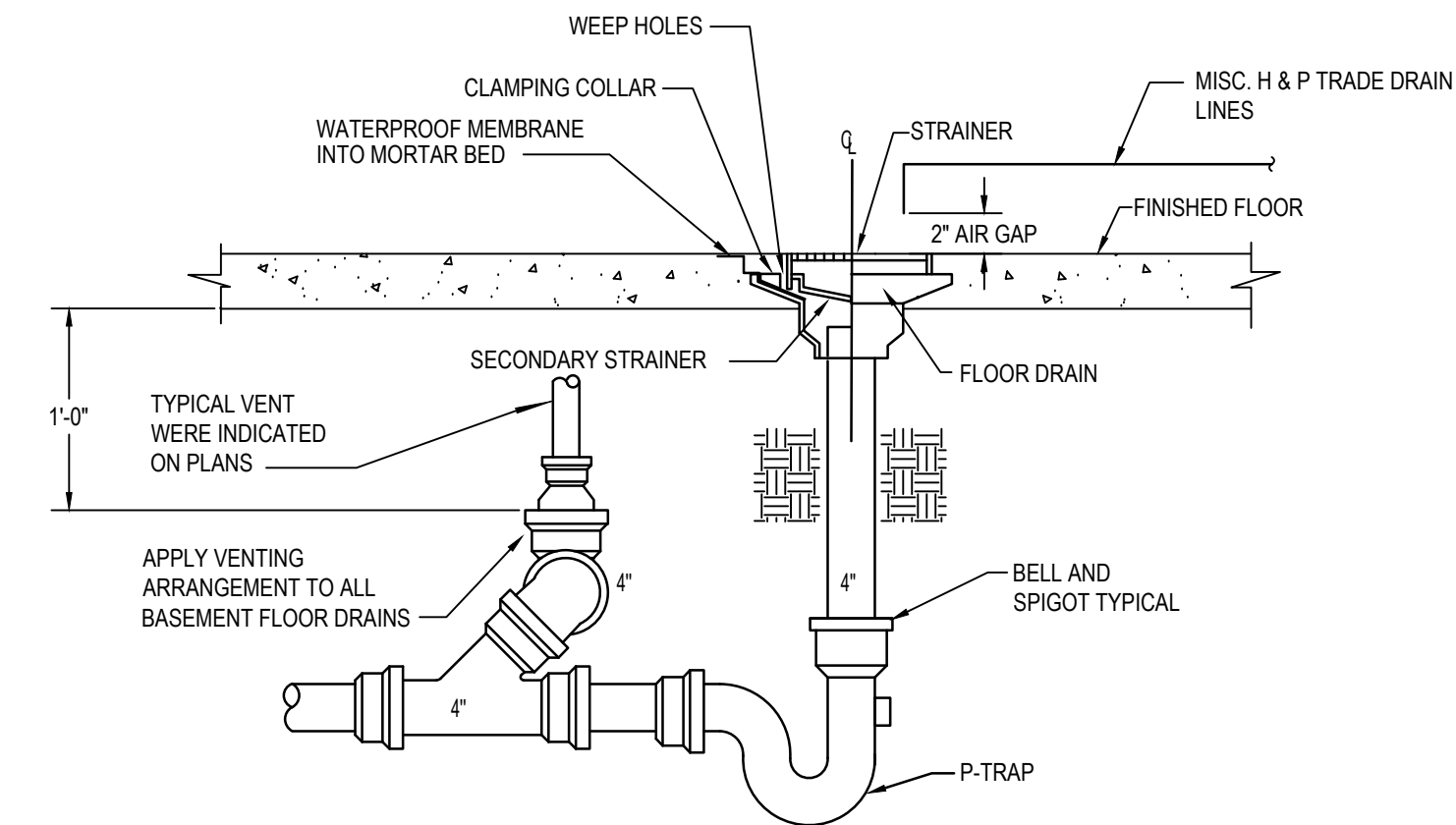
7 **GRADE CLEANOUT DETAIL (GCO-1)**  
P-002 SCALE: N.T.S.



5 **BACKFLOW PREVENTER CLEARANCE DETAIL**  
P-002 SCALE: N.T.S.



8 **ELECTRIC WATER HEATER DETAIL (WH-1)**  
P-002 SCALE: N.T.S.

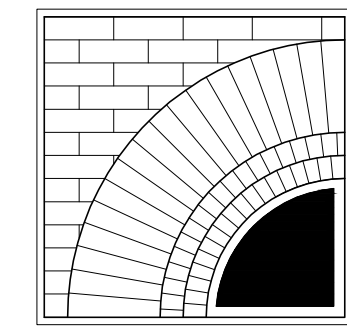


6 **FLOOR DRAIN WITH BURIED PIPING DETAIL**  
P-002 SCALE: N.T.S.

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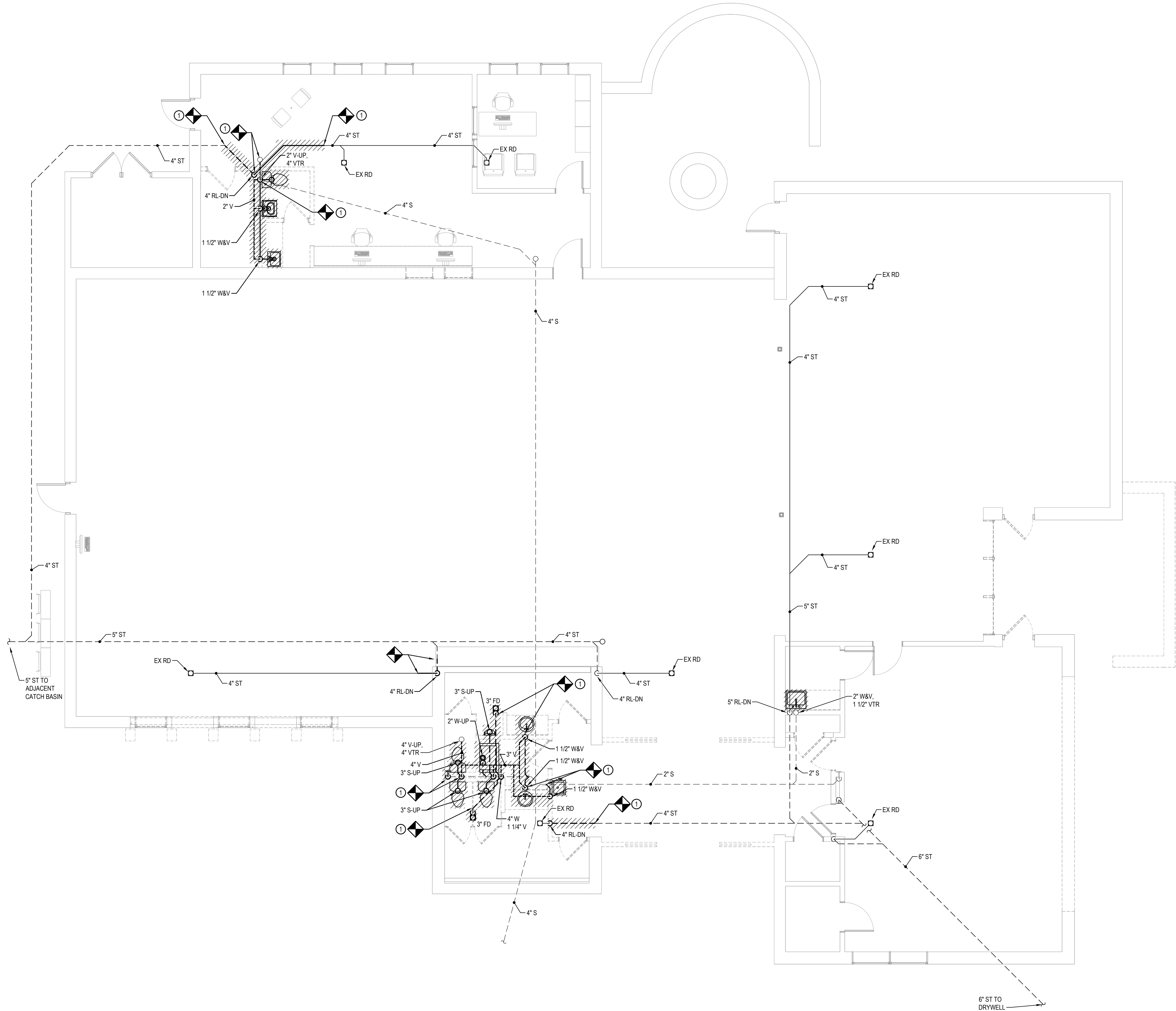
**DETAILS**

**TITLE**

**P002**

DWG. NO.





① REMOVALS PLAN  
3/16" = 1'-0"

GENERAL NOTES:

1. SLAB REMOVAL AND SLAB REPAIR BY GC CONTRACT. REFER TO PIPE TRENCH DETAIL ON P-002

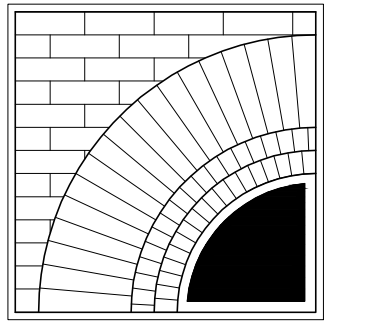
KEYED NOTES:

- ① REMOVE WASTE, VENT AND STORM PIPING AS SHOWN, REFER TO P101 FOR PIPING INSTALLATION.

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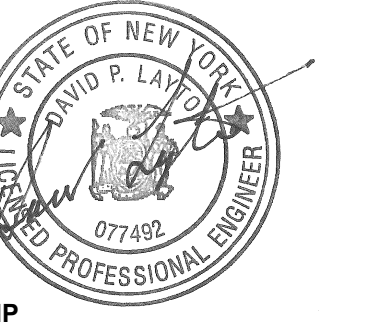
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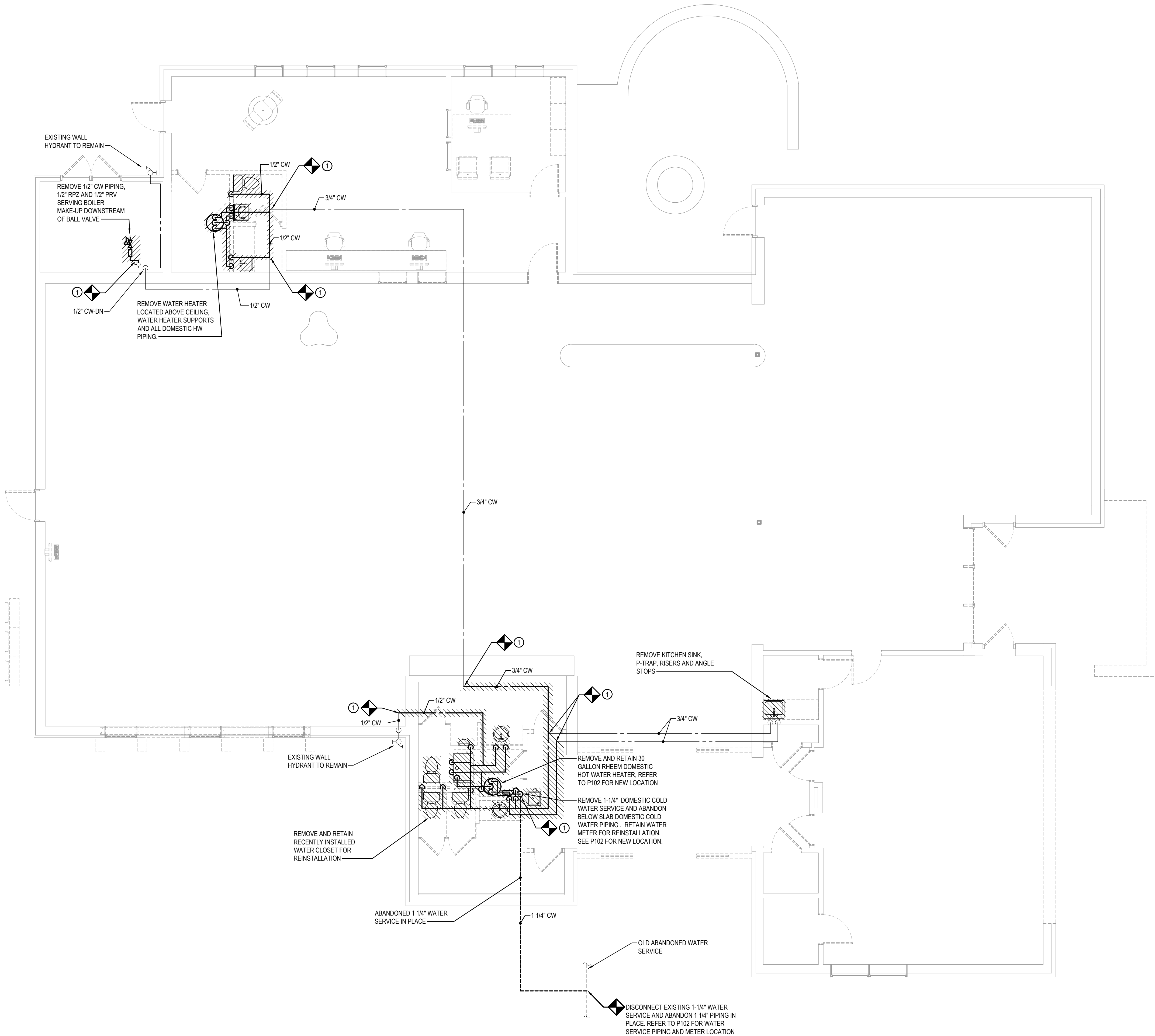
**SANITARY, VENT  
AND STORM  
REMOVAL PLAN**

TITLE

**PR101**

DWG. NO.





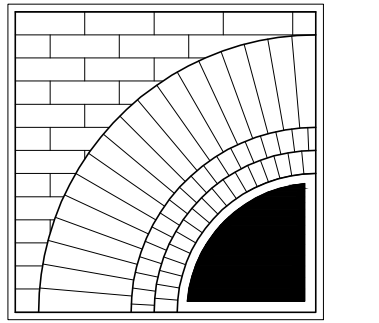
KEYED NOTES:

- ① REMOVE PLUMBING FIXTURES AND DOMESTIC WATER PIPING AS SHOWN, REFER TO P102 FOR PIPING INSTALLATION.

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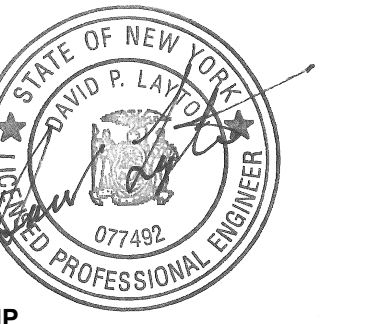
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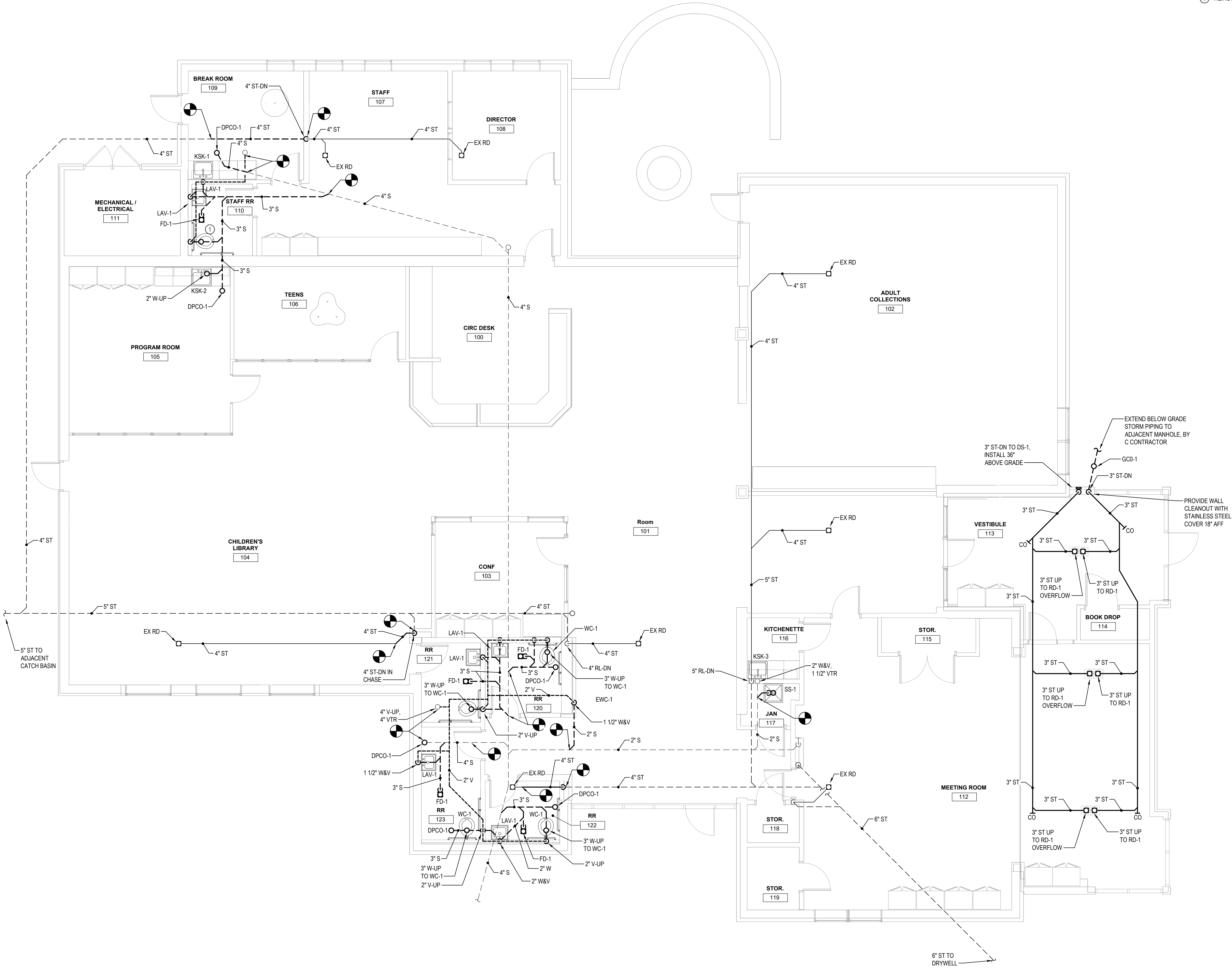
**DOMESTIC  
WATER  
REMOVAL PLAN**

TITLE

**PR102**

DWG. NO.



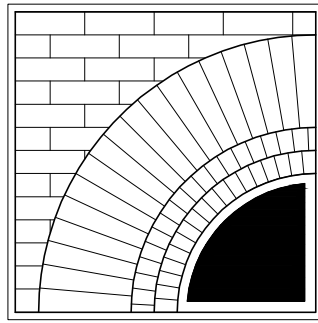


GENERAL NOTES:

1. COORDINATE STORM PIPING INSTALLATION IN ADDITION WITH HVAC DUCTWORK.

KEYED NOTES:

① REINSTALL SALVAGED TANK WATER CLOSET.



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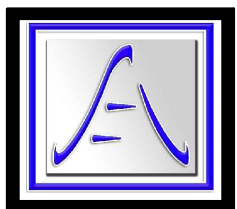
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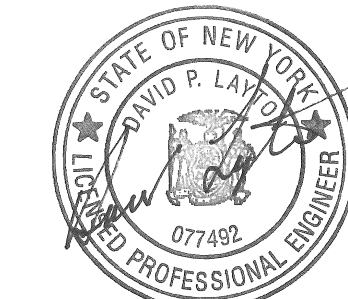
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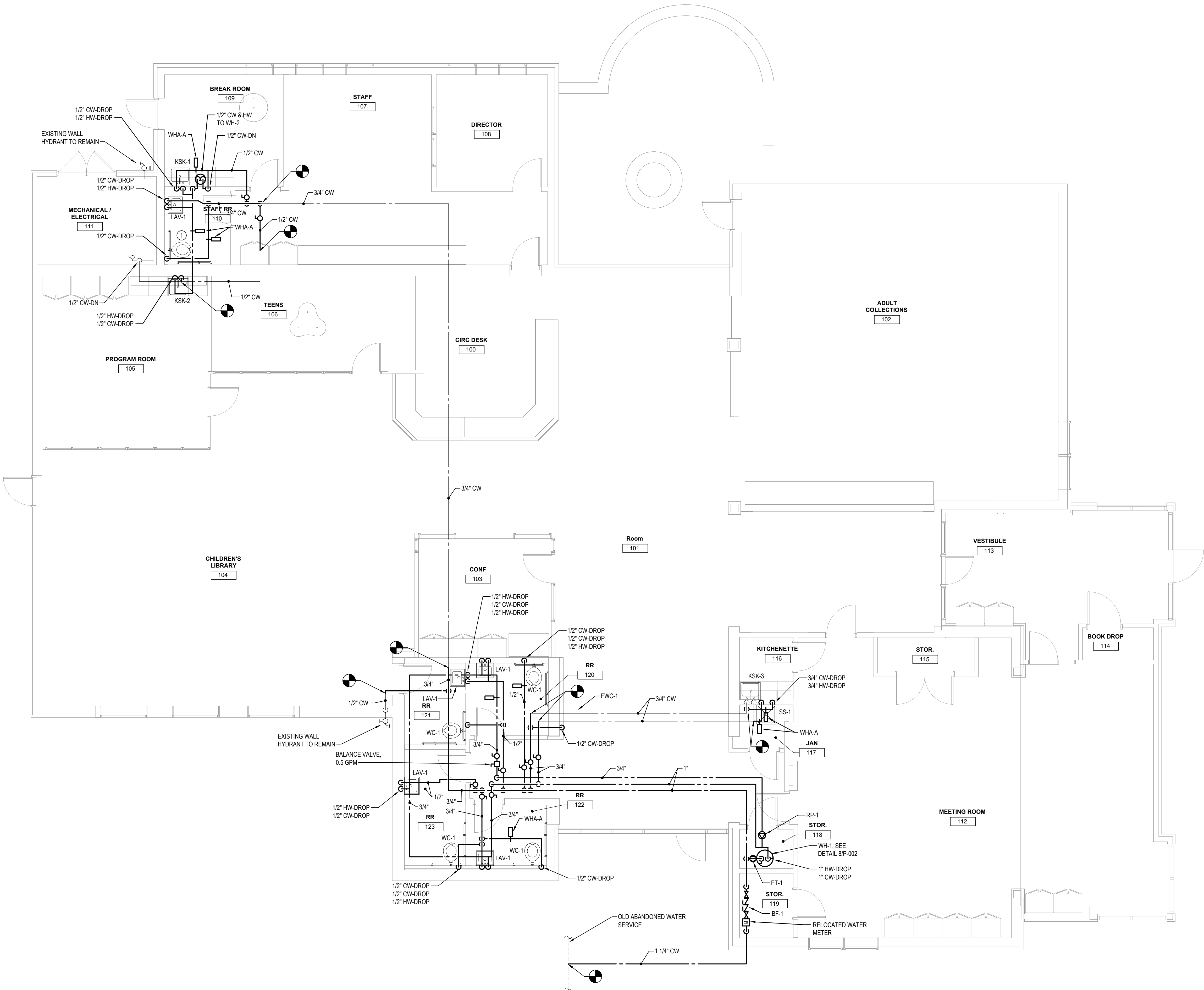
**SANITARY, VENT  
AND STORM  
INSTALLATION  
PLAN**

TITLE

**P101**

DWG. NO.





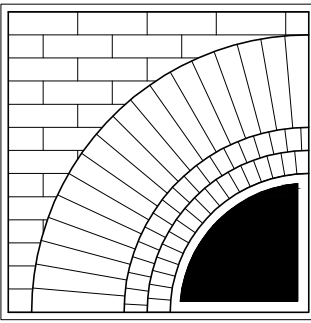
GENERAL NOTES:

1. COORDINATE DOMESTIC WATER PIPING INSTALLATION WITH HVAC DUCTWORK.

KEYED NOTES:

① REINSTALL SALVAGED TANK WATER CLOSET.

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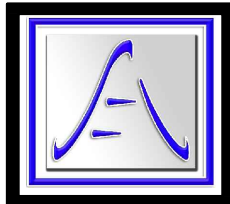
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**DOMESTIC  
WATER  
INSTALLATION  
PLAN**

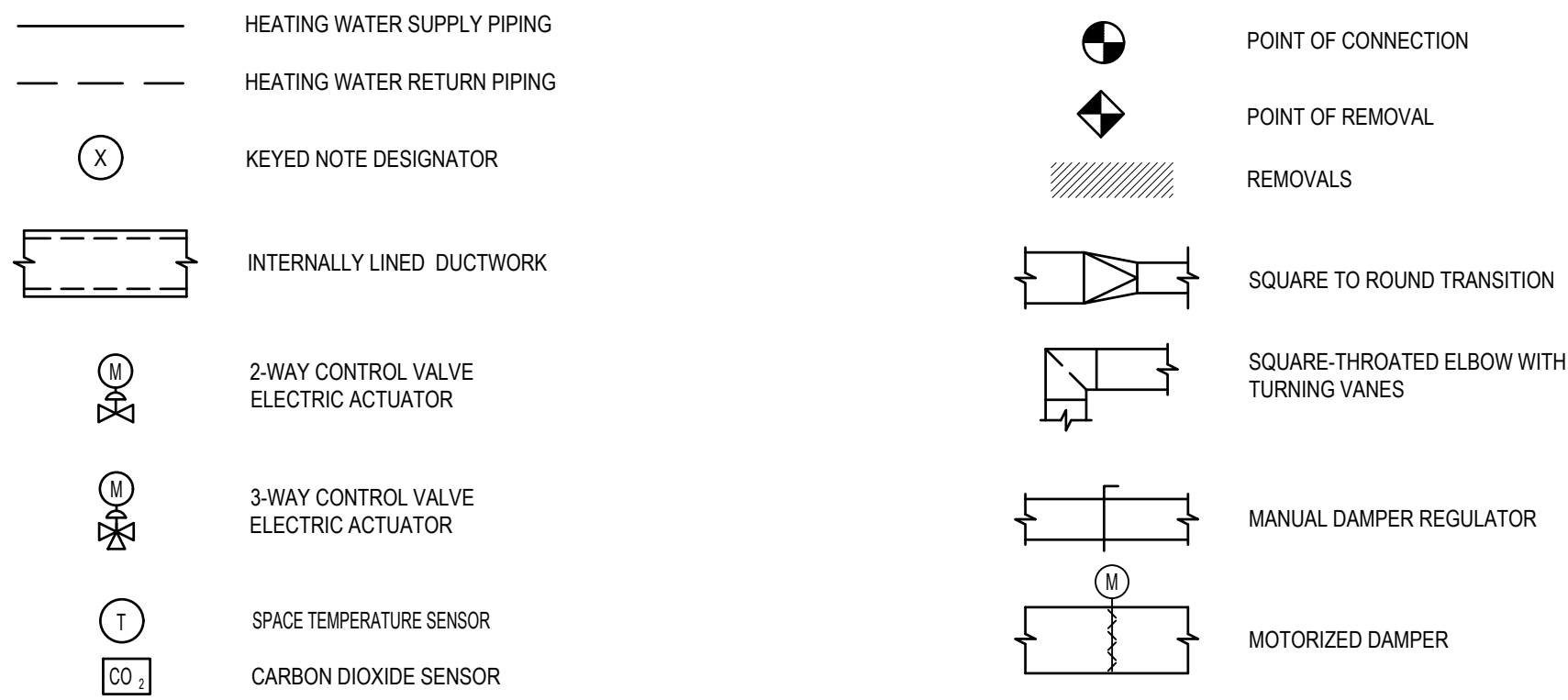
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**P102**

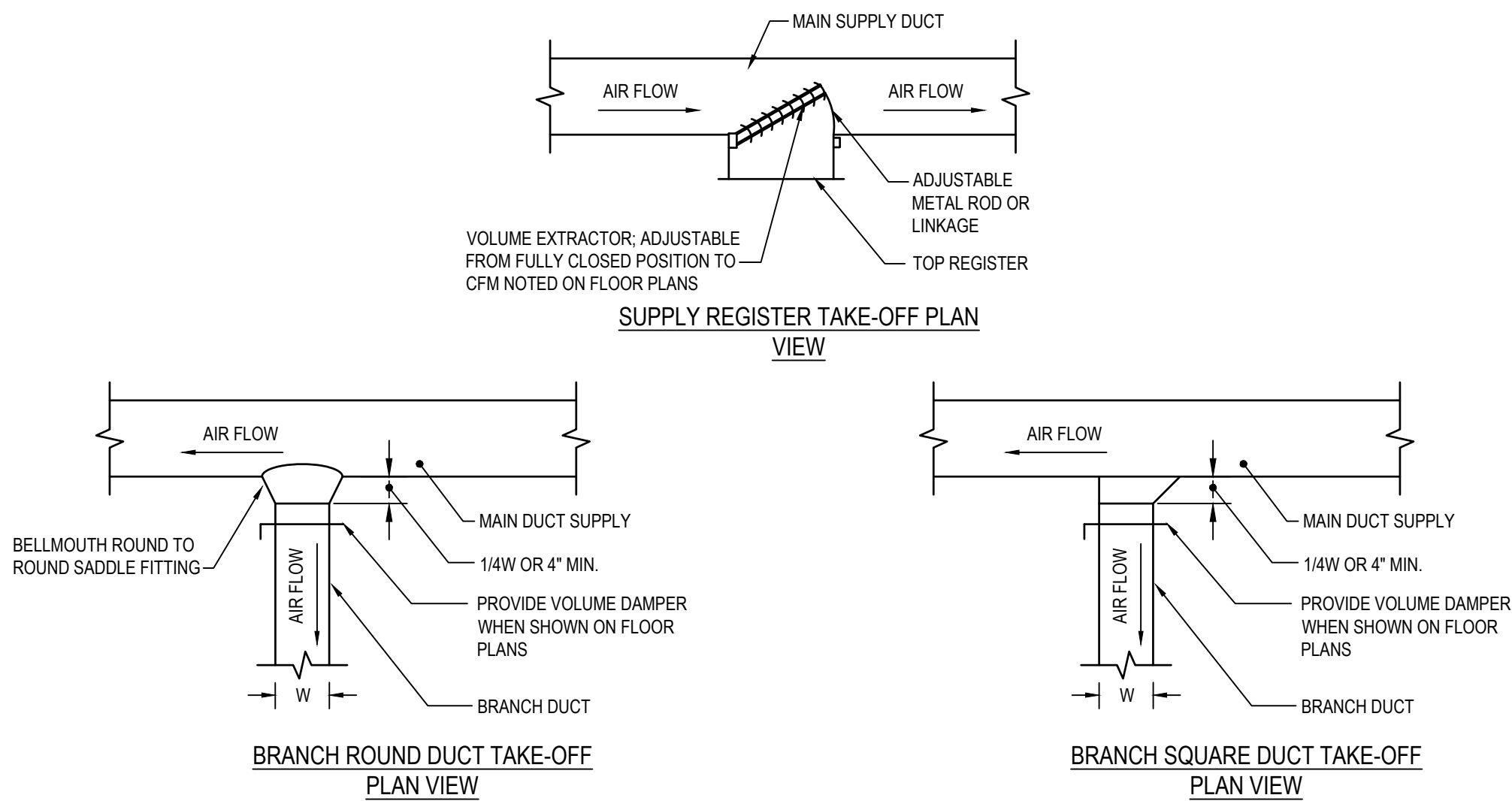
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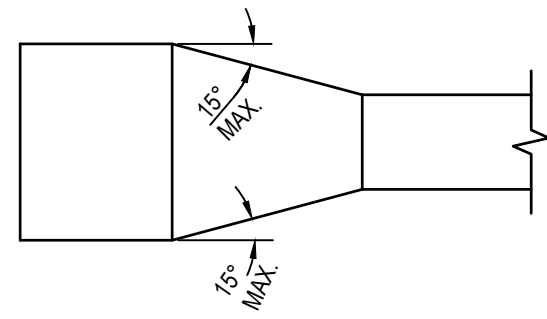
SYMBOLS LEGEND







1  
M002  
SCALE: NTS  
**SUPPLY DUCTWORK TAKE-OFF DETAILS**

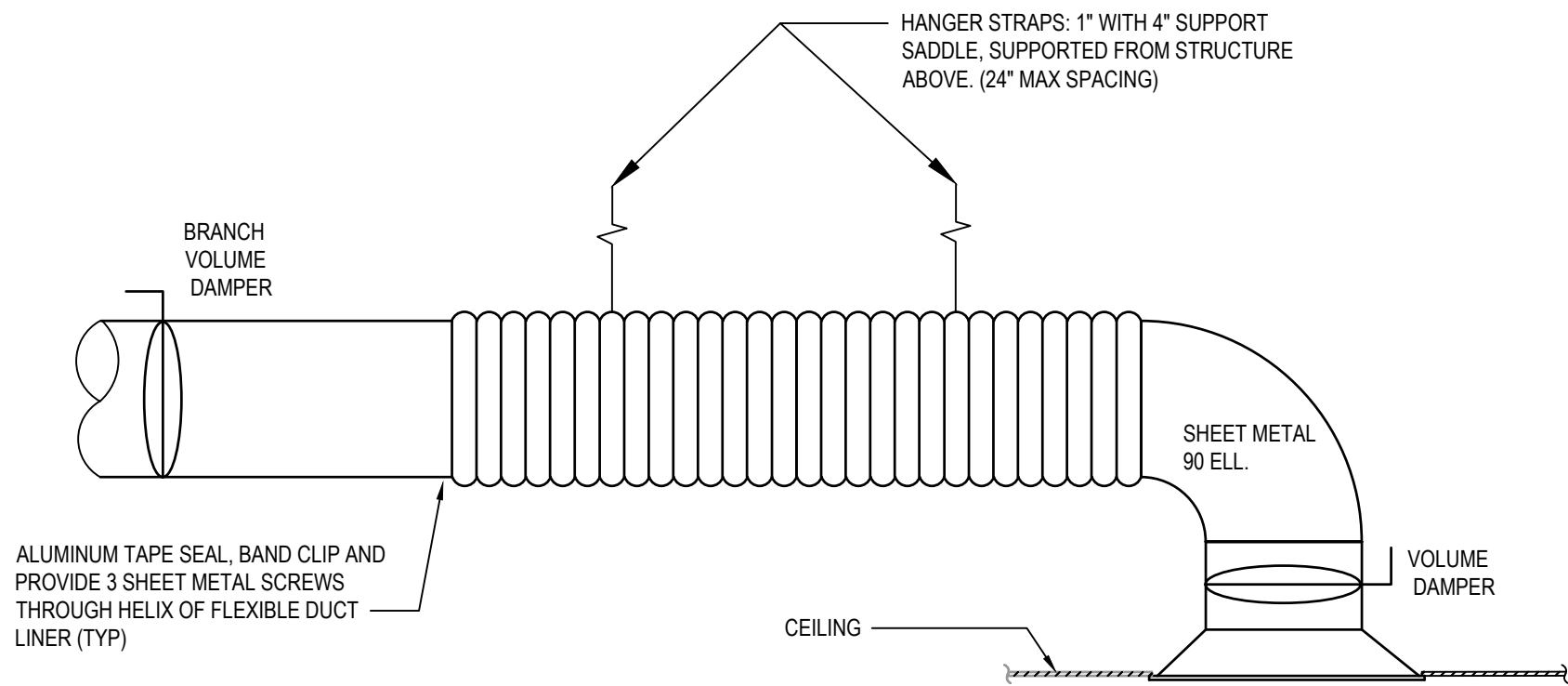


**TYPICAL DUCTWORK TRANSITION  
PLAN OR SIDE VIEW**

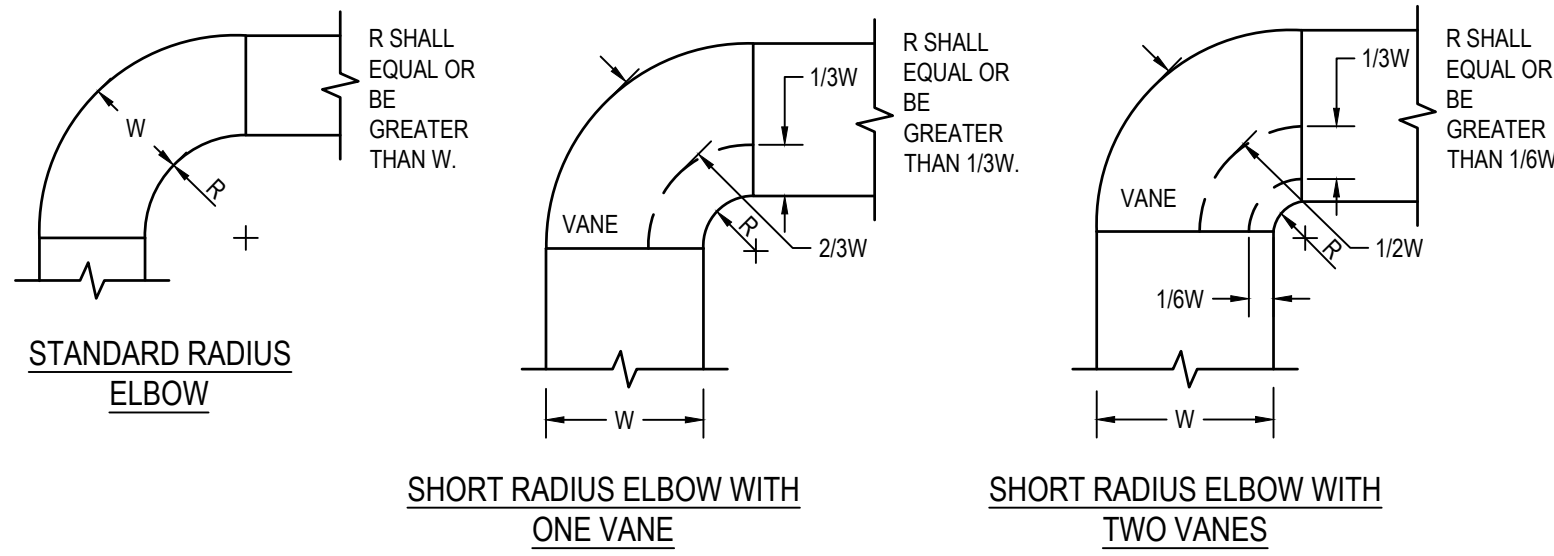
**NOTE:**

1. UNLESS OTHERWISE INDICATED ON PLANS, MAXIMUM ANGLES SHOWN SHALL APPLY.

3  
M002  
SCALE: NTS  
**DUCTWORK TRANSITION DETAILS**



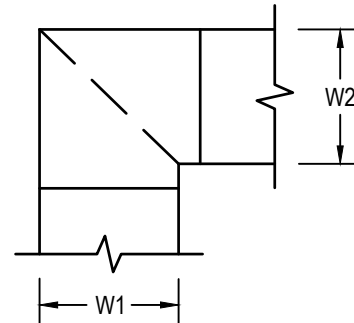
5  
M002  
SCALE: NTS  
**REGISTER, DIFFUSER, GRILLE AND DUCT CONNECTION DETAIL**



**NOTE:**

1. THE INTERIOR SURFACE OF ALL RADIUS ELBOWS SHALL BE MADE ROUND.
2. ALL STANDARD RADIUS ELBOWS SHOWN ON FLOOR PLANS MAY BE MADE SHORT RADIUS ELBOWS. ALL SHORT RADIUS ELBOWS SHALL HAVE VANES. VANES SHALL BE CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SMACNA.

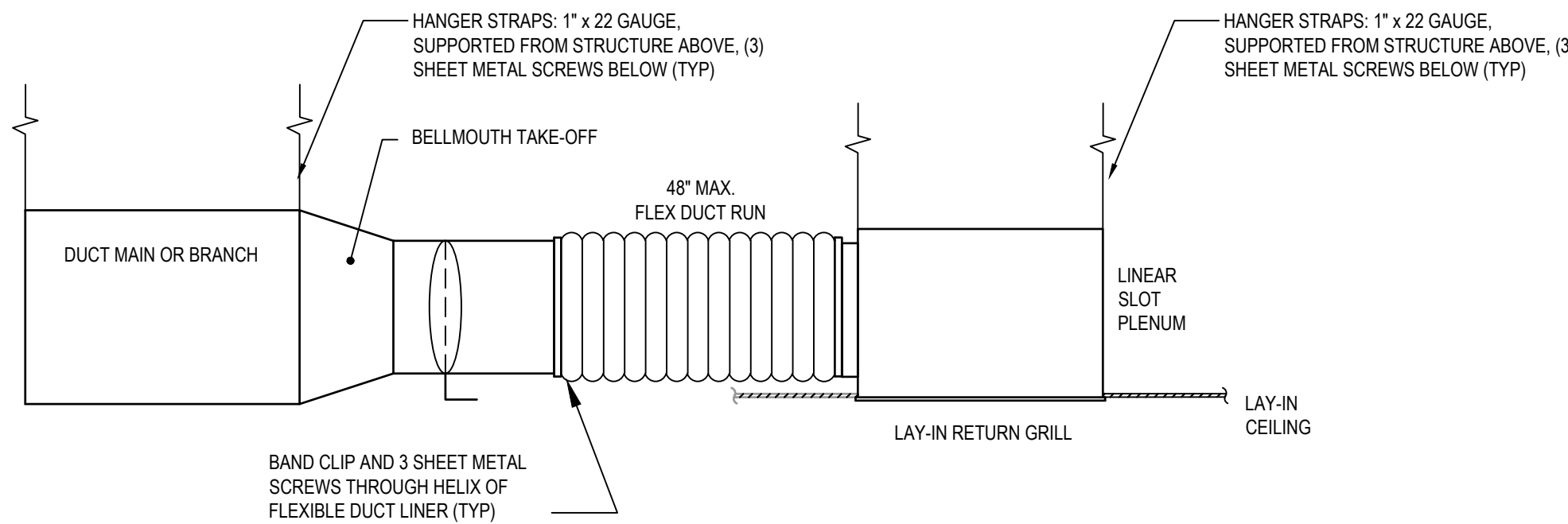
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M002  
SCALE: NTS  
**DUCTWORK RADIUS ELBOW DETAILS**



**NOTE:**

1. ALL VANED ELBOWS SHALL BE CONSTRUCTED AND INSTALLED AS DETAILED BY SMACNA.
2. WHEN W1 DOES NOT EQUAL W2, VANE SHALL BE SINGLE VANE TYPE REGARDLESS OF W DIMENSION.
3. ALL SINGLE VANES SHALL HAVE A 2" RADIUS, 1 1/2" MAXIMUM SPACE BETWEEN VANES AND A 3/4" TRAILING EDGE.
4. WHEN W EQUALS W2 AND W1 IS GREATER THAN 20" VANES SHALL BE DOUBLE VANE TYPE.

4  
M002  
SCALE: NTS  
**SQUARE VANE ELBOW DETAIL**

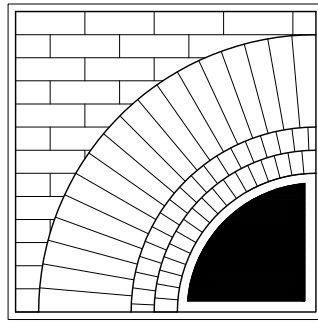


6  
M002  
SCALE: NTS  
**RETURN GRILLE CONNECTION DETAIL**

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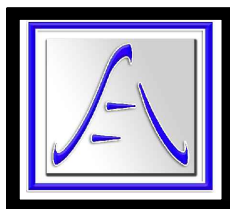
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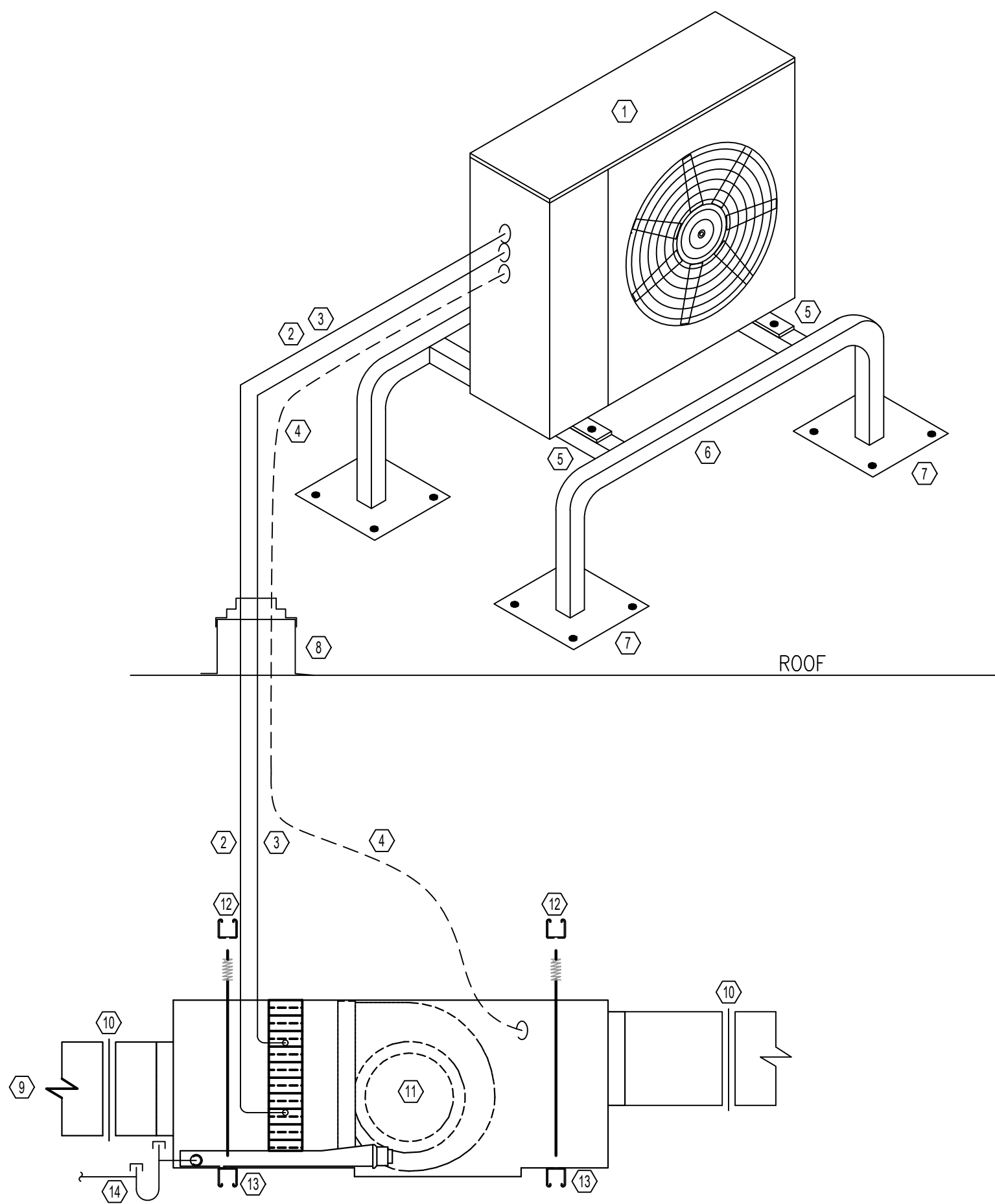
**DETAILS**

**TITLE**

**M002**

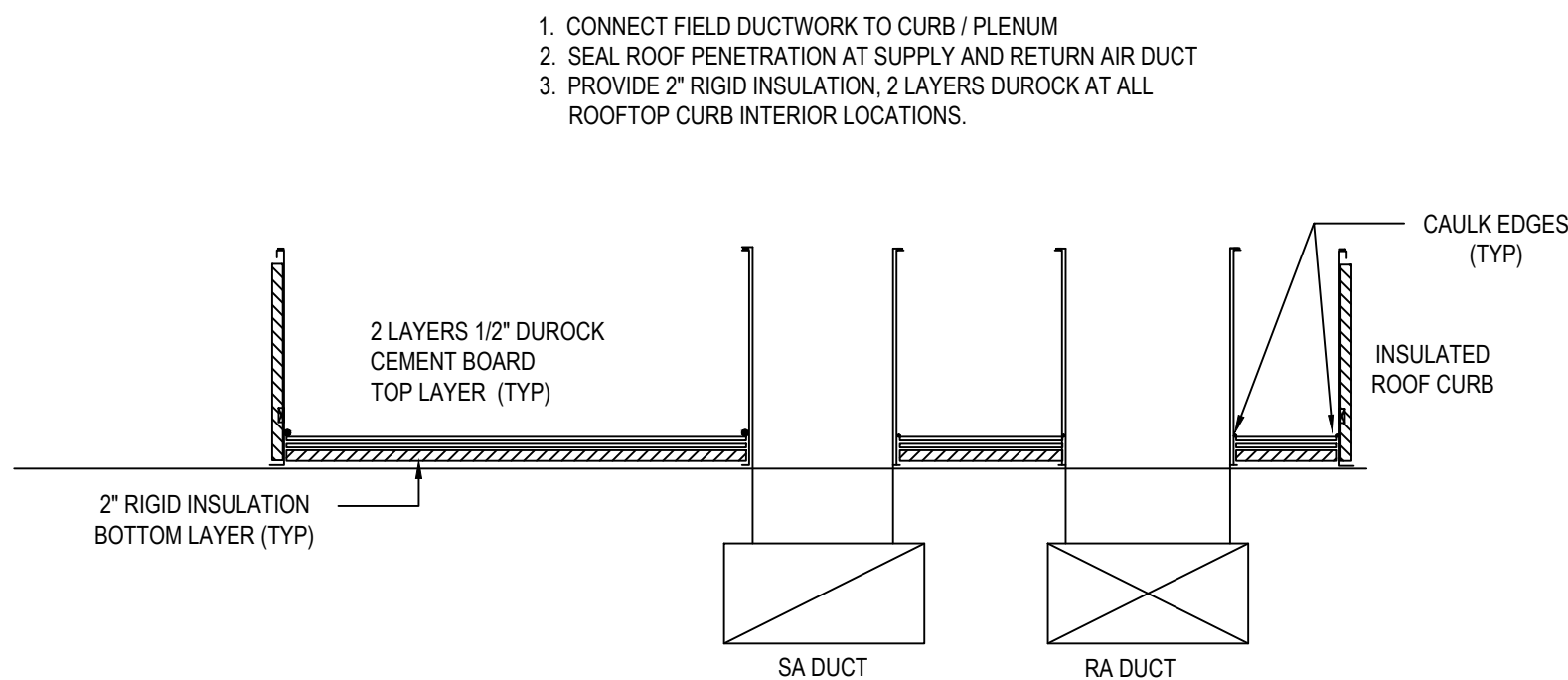
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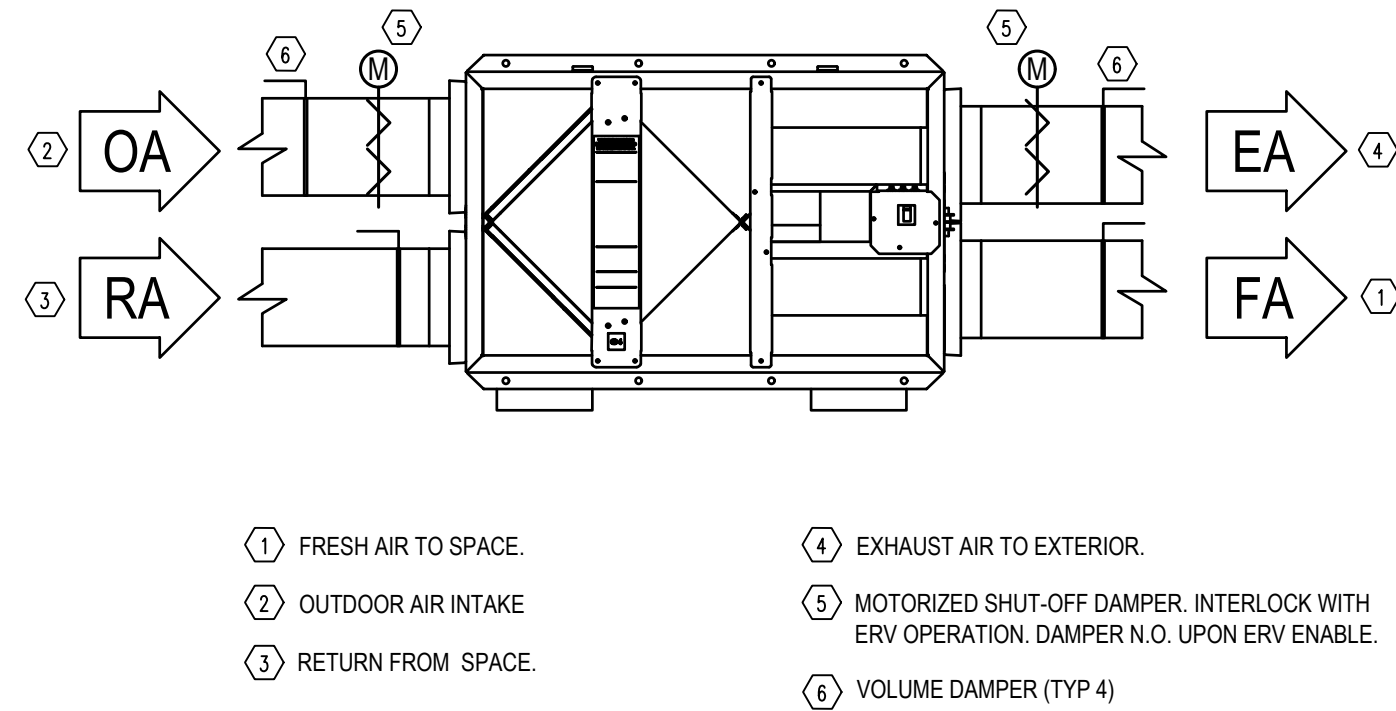


- ① HEAT PUMP CONDENSING UNIT
- ② REFRIGERANT LIQUID LINE (TYPE L DRAWN TEMPER COPPER WITH ELASTOMERIC INSULATION)
- ③ REFRIGERANT SUCTION LINE (TYPE L DRAWN TEMPER COPPER WITH ELASTOMERIC INSULATION)
- ④ CONTROL WIRING/POWER WIRING FROM CONDENSER TO FAN COIL.
- ⑤ CONDENSING UNIT ANCHOR POINT (ANCHOR TO EQUIPMENT STAND TYP 4)
- ⑥ HEAT PUMP STAND (MIN 16" AFG) . DIVERSITECH QSMS SERIES OR EQUAL
- ⑦ ANCHOR TO ROOF (TYP 16). PROVIDE ROOF PATCH AND SEAL. (WARRANTED ROOF)
- ⑧ PROVIDE ROOF PENETRATION AND WEATHERPROOF EDPM BOOT
- ⑨ SUPPLY DUCT
- ⑩ FLEX COLLAR
- ⑪ HEAT PUMP DUCTED FAN/COIL UNIT
- ⑫ 3/8" THREADED ROD SUPPORT TO STRUCTURE (BAR JOIST) WITH STRUT (TYP 4)
- ⑬ FAN/COIL SUPPORT STRUTS (TYP 2)
- ⑭ CONDENSATE PIPING / TRAP. PIPE TO EXTERIOR LOCATION (SEE DWG)  
PROVIDE CONDENSATE PUMP IF REQUIRED TO MEET MIN. DRAINAGE PITCH

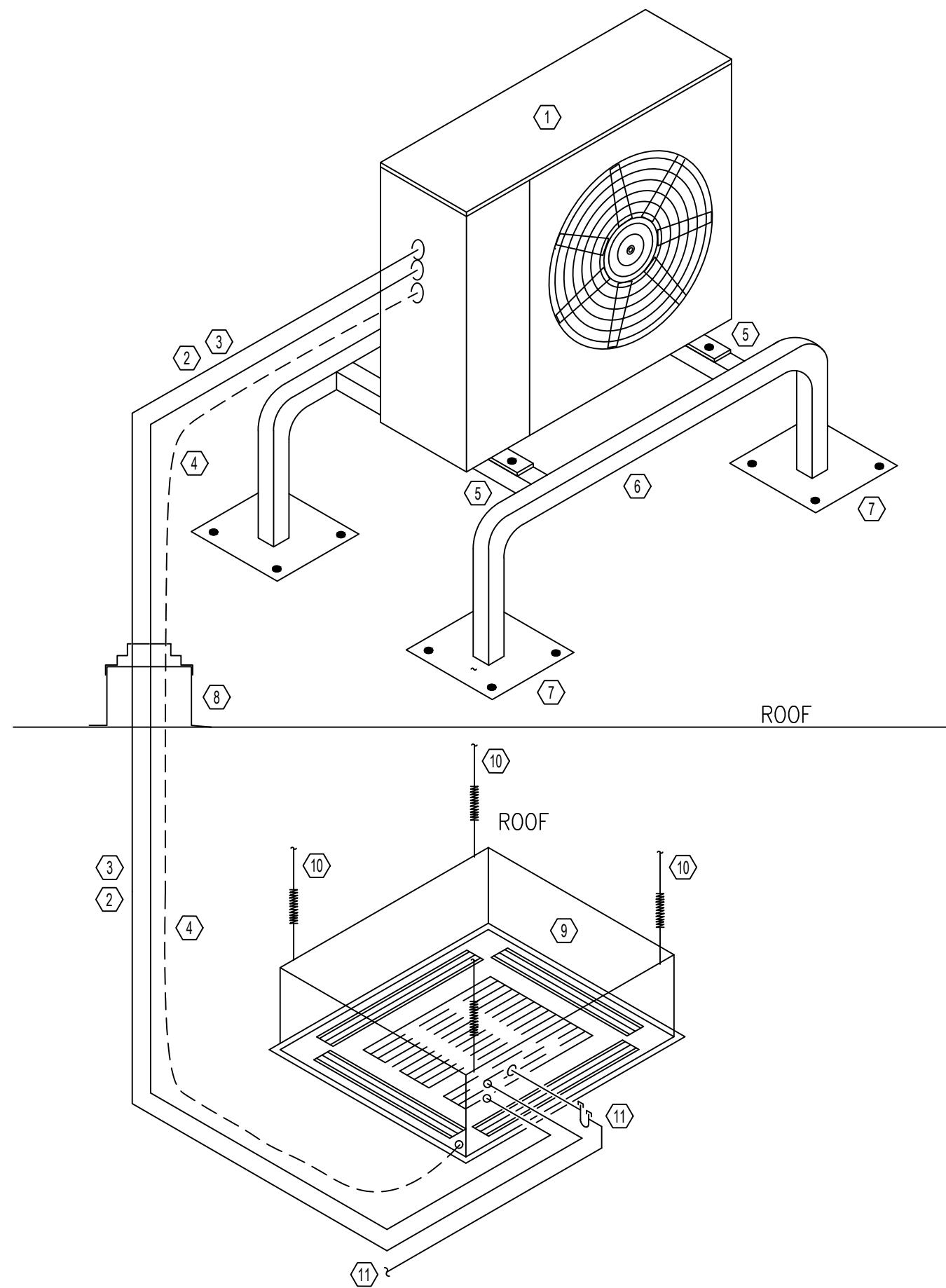
1 DUCTED HEAT PUMP SPLIT DETAIL  
M003 SCALE: NONE



3 ACCOUSTICAL ROOF CURB DETAIL (TYP)  
M003 SCALE: NONE



2 ENERGY RECOVERY VENTILATOR DETAIL (TYP)  
M003 SCALE: NONE



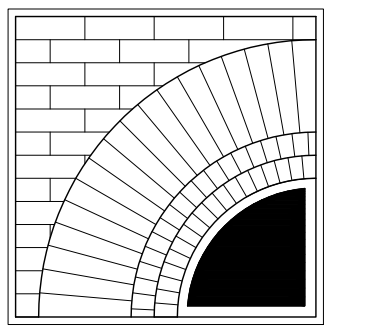
- ① HEAT PUMP CONDENSING UNIT
- ② REFRIGERANT LIQUID LINE (TYPE L DRAWN TEMPER COPPER WITH ELASTOMERIC INSULATION)
- ③ REFRIGERANT SUCTION LINE (TYPE L DRAWN TEMPER COPPER WITH ELASTOMERIC INSULATION)
- ④ CONTROL WIRING/POWER WIRING FROM CONDENSER TO FAN COIL.
- ⑤ CONDENSING UNIT ANCHOR POINT (ANCHOR TO EQUIPMENT STAND TYP 4)
- ⑥ HEAT PUMP STAND (MIN 16" AFG) . DIVERSITECH QSMS SERIES OR EQUAL
- ⑦ ANCHOR TO ROOF (TYP 16). PROVIDE ROOF PATCH AND SEAL. (WARRANTED ROOF)
- ⑧ PROVIDE ROOF PENETRATION AND WEATHERPROOF EDPM BOOT
- ⑨ HEAT PUMP CASSETTE FAN/COIL
- ⑩ 3/8" THREADED ROD SUPPORT TO STRUCTURE (BAR JOIST) WITH STRUT (TYP 4)
- ⑪ CONDENSATE PIPING / TRAP. PIPE DRAIN TO EXTERIOR LOCATION.

4 DUCTLESS (CASSETTE) HEAT PUMP SPLIT DETAIL  
M003 SCALE: NONE

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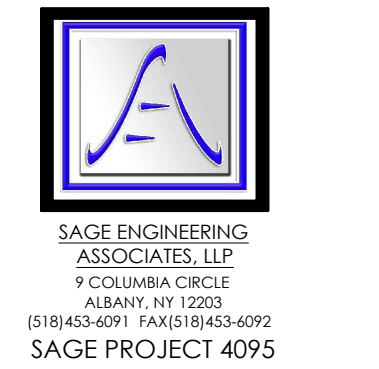
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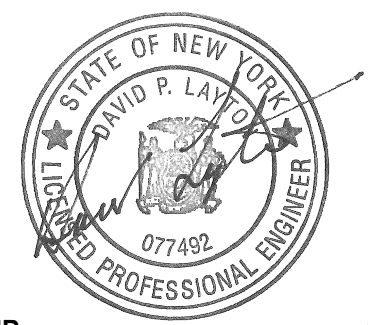
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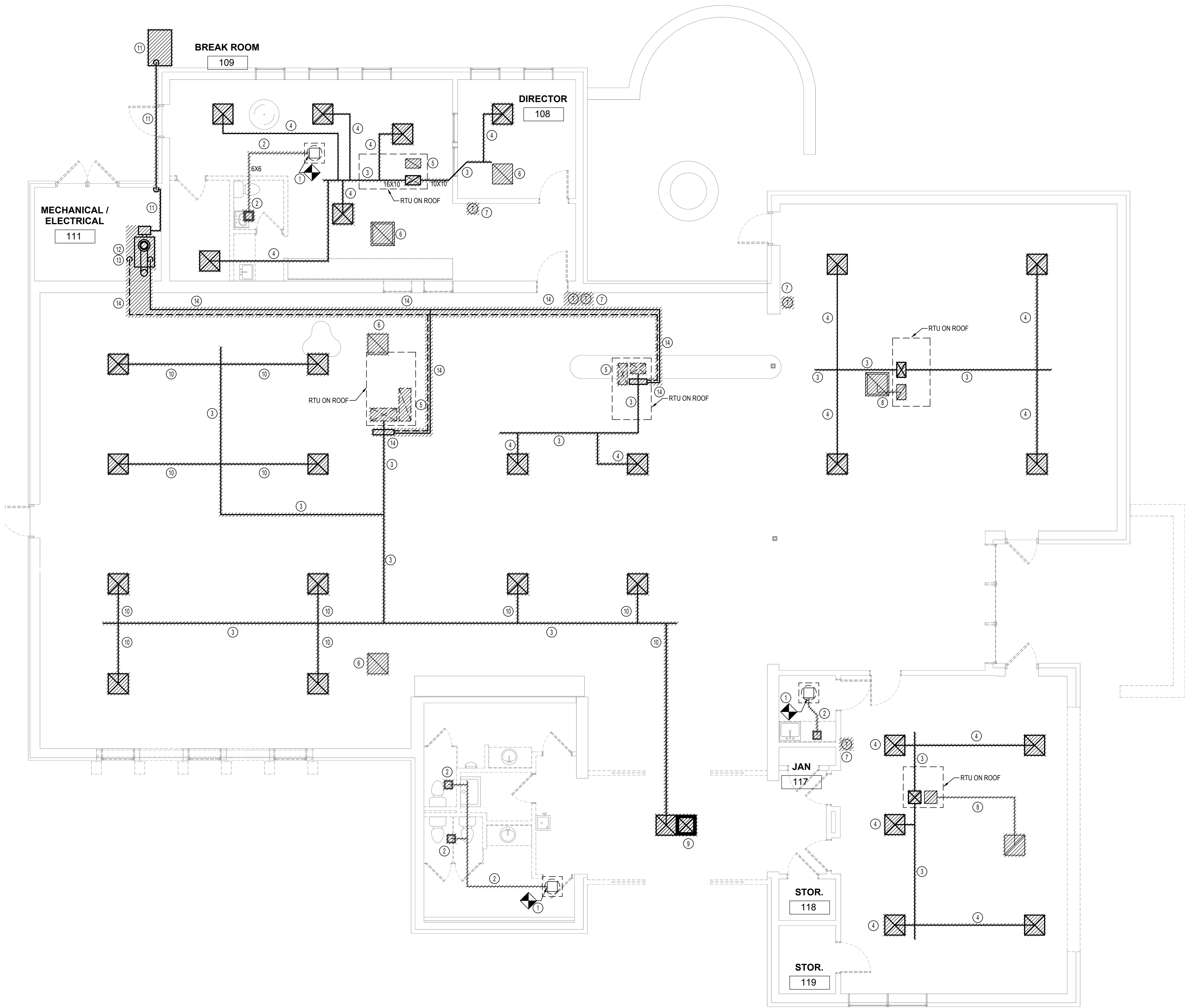
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**M003**  
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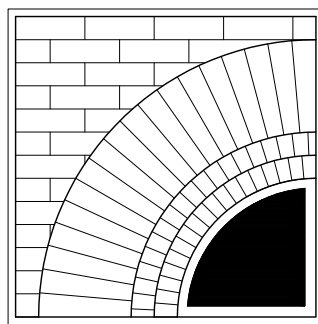




1 REMOVALS PLAN  
3/16" = 1'-0"

KEYED NOTES:

- 1 DISCONNECT POINT FOR EXHAUST DUCT WORK. DUCT RISER TO FAN ASSEMBLY ON ROOF REMAINS IN PLACE.
- 2 REMOVE EXHAUST DUCTWORK, INSULATION, SUPPORTS, AND REGISTER GRILL.
- 3 REMOVE SUPPLY MAIN DUCT TRUNK, SUPPORTS, AND INSULATION.
- 4 REMOVE SUPPLY DUCT BRANCH DUCT, SUPPORTS, INSULATION, FLEX DUCT AND DIFFUSERS.
- 5 REMOVE RETURN DUCT RISER, SUPPORTS AND INSULATION UP TO ROOFTOP UNIT CURB.
- 6 REMOVE RETURN REGISTER AND SUPPORTS.
- 7 REMOVE THERMOSTAT AND CONTROL WIRING TO ROOF TOP UNIT.
- 8 REMOVE RETURN REGISTER, RETURN DUCT WORK, SUPPORTS, INSULATION AND DUCT RISER TO ROOF TOP UNIT.
- 9 REMOVE CEILING MOUNTED ELECTRIC CABINET HEATER.
- 10 REMOVE SUPPLY DUCT BRANCH TAKEOFF AND DAMPER, DUCT, INSULATION AND SUPPORTS. PATCH AND SEAL OPENINGS IN MAIN SUPPLY TRUNK NOT REUSED IN FUTURE INSTALLATION. SEE M-101
- 11 REMOVE EXTERIOR ROTH DOUBLE WALL 275 GALLON OIL TANK. REMOVE OIL AS PER EPA GUIDELINES. (APPROX 100 GALLONS). REMOVE OIL PIPING AND SUPPORTS FROM EXTERIOR OIL TANK TO OIL BURNER IN MECHANICAL ROOM.
- 12 REMOVE OIL BOILER AND BURNER. REMOVE HWS AND HWR PIPING, PIPE INSULATION AND SUPPORTS FROM BOILER THRU WALL TO LIBRARY SPACE. REMOVE HEATING SYSTEM PUMPS AND HYDRONIC ACCESSORIES.
- 13 REMOVE BOILER BREECHING TO CHIMNEY. REMOVE CHIMNEY UP THRU ROOF. SEE MR-102 FOR ROOF REMOVALS AND PATCHING.
- 14 REMOVE HWS AND HWR PIPING AND INSULATION. REMOVE PIPING SUPPORTS. REMOVE ZONE VALVE CONTROL VALVES, AND HOT WATER COIL. REMOVE HYDRONIC ACCESSORIES.



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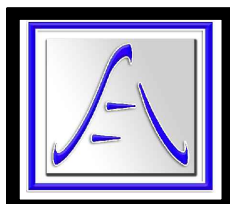
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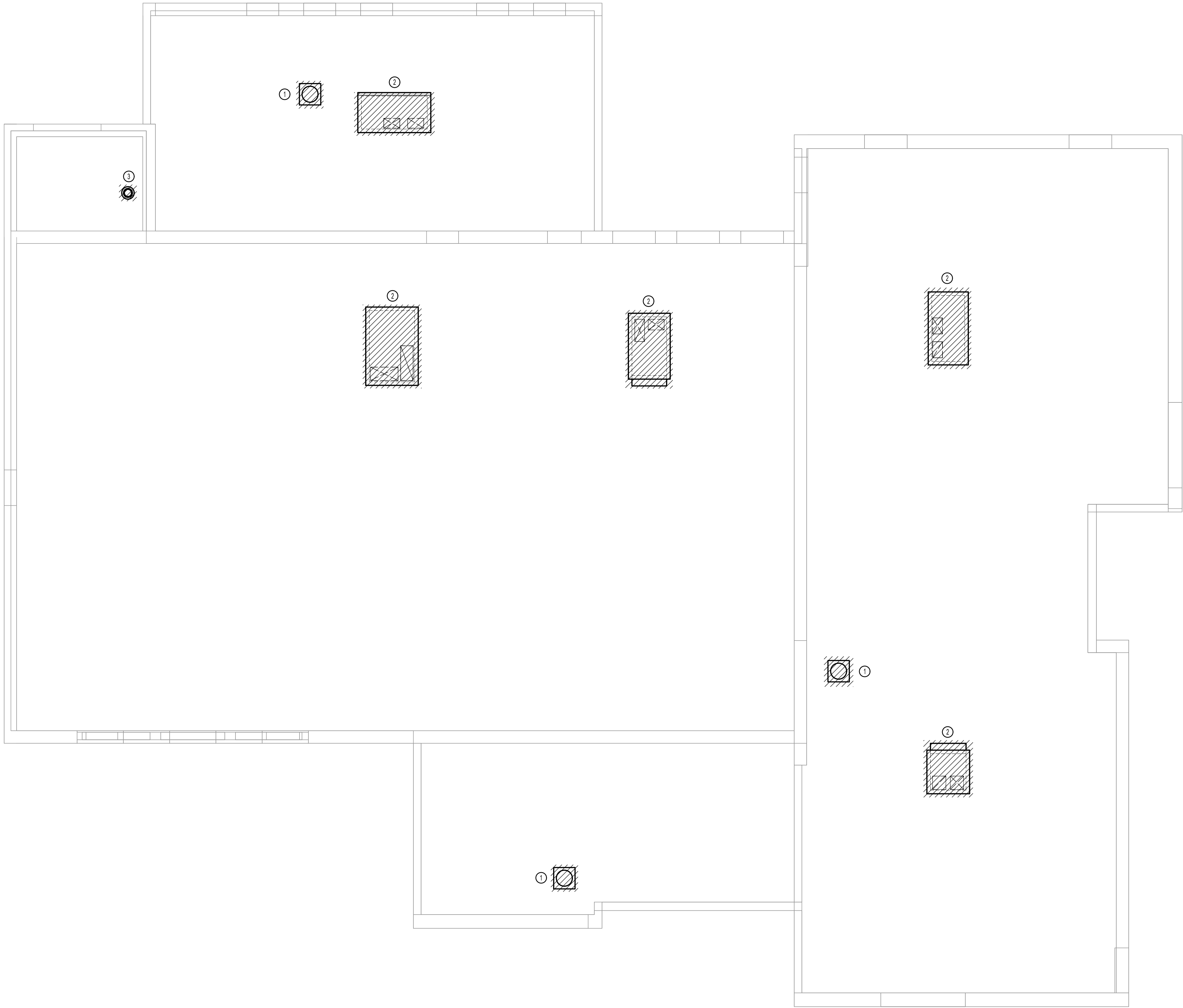
**REMOVALS  
PLAN**

TITLE

**MR101**

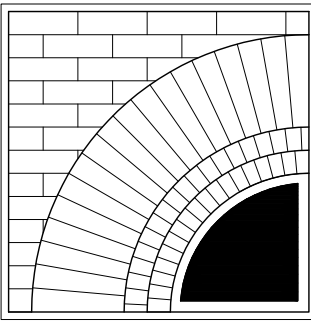
DWG. NO.





- KEYED NOTES:
- ① REMOVE FAN ASSEMBLY. FAN CURB IS TO REMAIN IN PLACE. PROVIDE TEMPORARY WEATHERPROOFING OF OPENING. SEE M-102 FOR FAN REPLACEMENT.
  - ② REMOVE ROOF TOP UNIT AND DISCARD. RECOVER REFRIGERANT AS PER EPA GUIDELINES. REMOVE CURB. PROVIDE TEMPORARY WEATHERPROOFING OF OPENING. SEE M-102 FOR ROOF TOP UNIT REPLACEMENT. SEE ARCHITECTURAL DRAWINGS FOR WARRANTED ROOF PATCH AND SEAL DETAILS.
  - ③ REMOVE OIL CHIMNEY SERVING OIL FIRED BOILER. SEE ARCHITECTURAL DRAWINGS FOR WARRANTED ROOF PATCH AND SEAL DETAILS.

① ROOF REMOVALS PLAN  
3/16" = 1'-0"



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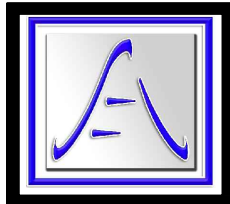
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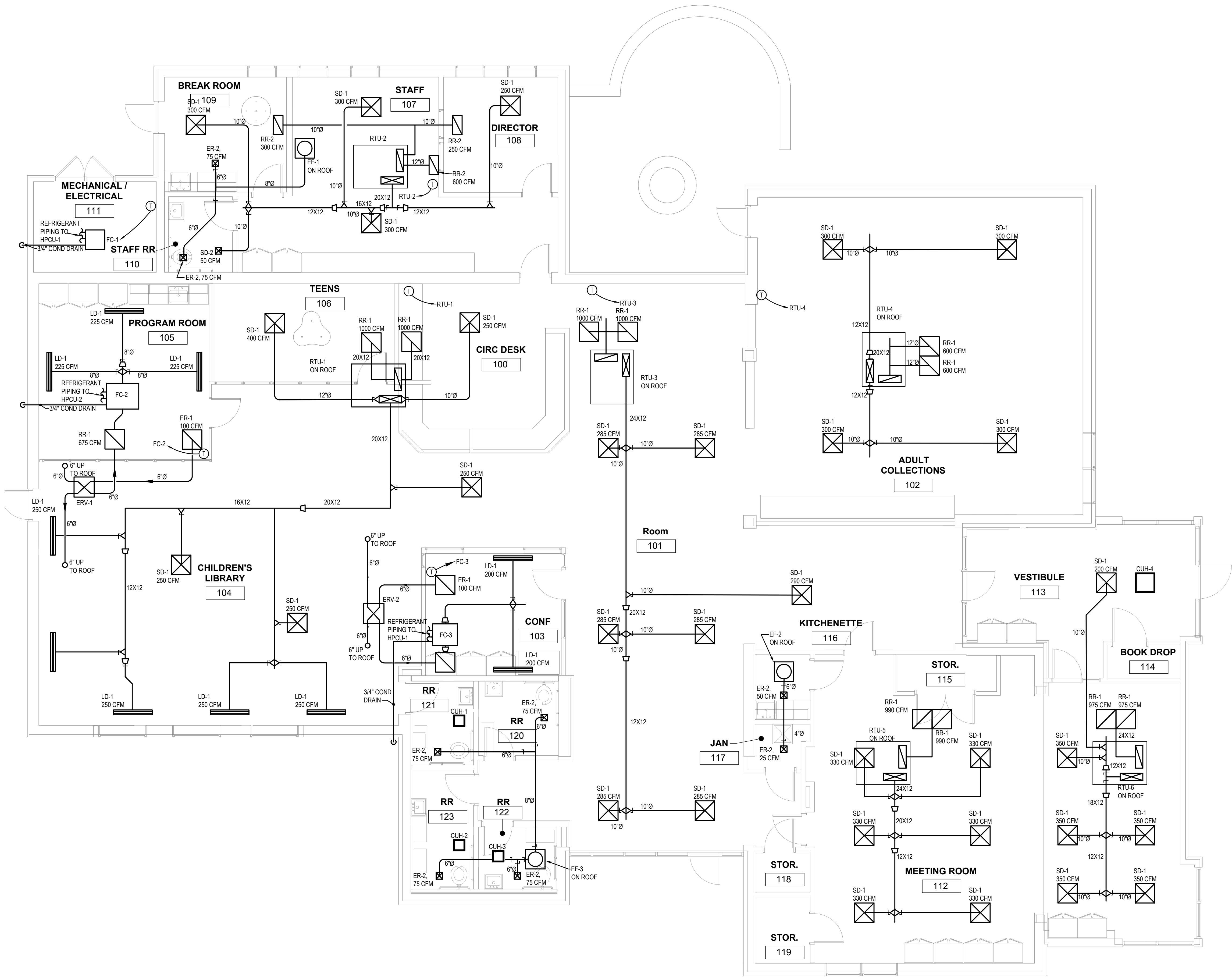
**ROOF  
REMOVALS  
PLAN**

TITLE

**MR102**

DWG. NO.



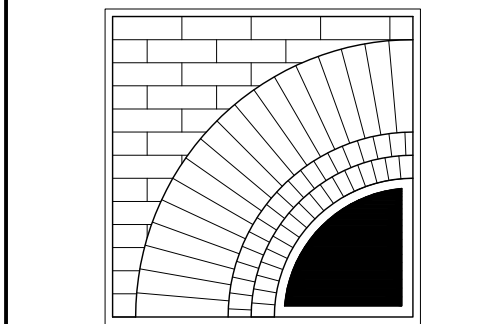


① HVAC INSTALLATION PLAN  
3/16" = 1'-0"

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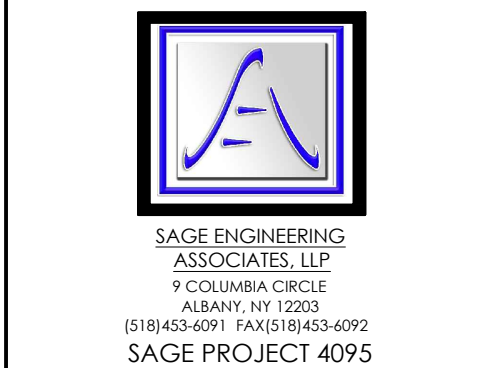
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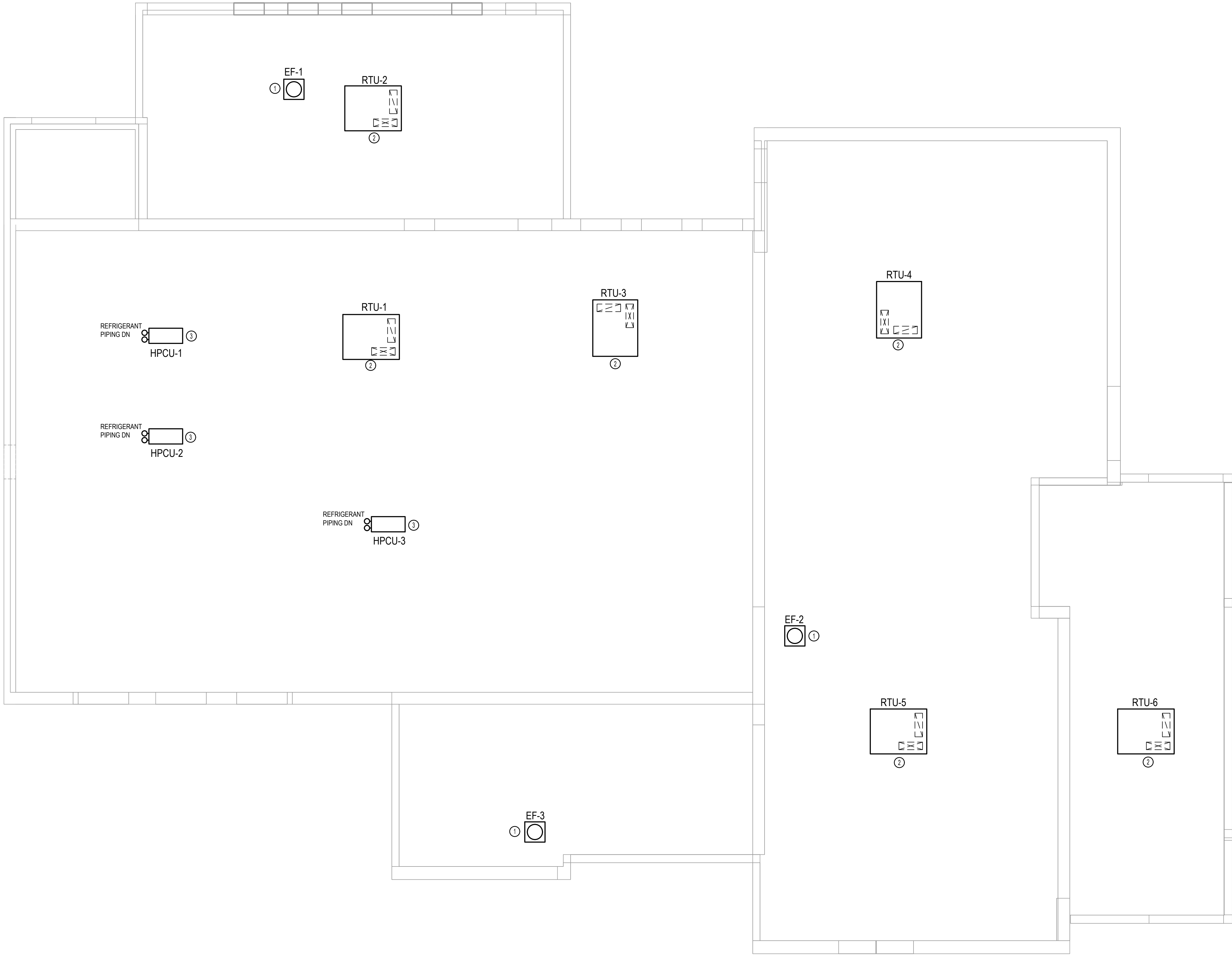
**HVAC  
INSTALLATION  
PLAN**

TITLE

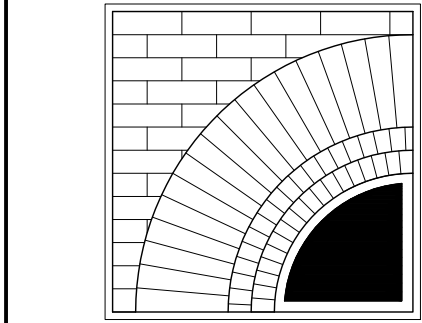
**M101**

DWG. NO.





- KEYED NOTES:
- ① INSTALL FAN ON EXISTING CURB. PROVIDE CURB ADAPTER IF REQUIRED. SEAL AND WEATHERPROOF CONNECTION POINT
  - ② INSTALL ROOF CURB AND ROOF TOP UNIT AT LOCATION SHOWN. COORDINATE WITH ARCHITECT. MECHANICAL AND STRUCTURAL ENGINEERS FOR FINAL LOCATION AND ORIENTATION. EXISTING ROOF IS WARRANTED.
  - ③ INSTALL HPCU'S AT LOCATION SHOWN. SEE INSTALLATION DETAIL 1/M003. COORDINATE ROOF PENETRATIONS AND SUPPORT STAND ANCHORING AND SEALING WITH ARCHITECT AND GC.



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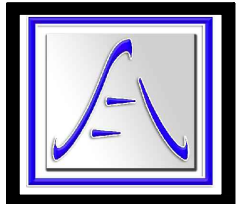
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**HVAC ROOF  
INSTALLATION  
PLAN**

TITLE

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DWG. NO.



ABBREVIATIONS: (SOME MAY NOT BE USED)

A	AMP	DSP	GARBAGE DISPOSAL	HH	HAND HOLE
AC	ABOVE COUNTER	DW	DISHWASHER	HOA	HAND-OFF-AUTO SWITCH
ACC	AIR COOLED CONDENSING UNIT	DWG	DRAWING	HP	HORSEPOWER
ACP	ACCESS CONTROL PANEL	EC	ELECTRICAL CONTRACTOR	HVAC	HEATING, VENTILATION AND/OR AIR CONDITIONING
AFCI	ARC FAULT CIRCUIT INTERRUPTER	ECB	ENCLOSED CIRCUIT BREAKER	IG	ISOLATED GROUND
AF	ABOVE FINISHED FLOOR	EM	EMERGENCY	IN	INCHES
AFG	ABOVE FINISHED GRADE	EMT	ELECTRICAL METALLIC TUBING	INT	INTERNAL
AHU	AIR HANDLING UNIT	ELU	EMERGENCY LIGHTING UNIT	IT	INFORMATION TECHNOLOGIES
AWG	AMERICAN WIRE GAGE	ES	ELECTRIC STRIKE	JB	JUNCTION BOX
BFG	BELOW FINISHED GRADE	EXR	EXISTING TO REMAIN	K	KILO
BLDG	BUILDING	FA	FIRE ALARM	KVA	KILO-VOLT AMPERE
BTU	BRITISH THERMAL UNITS	FAAP	FIRE ALARM ANNUNCIATOR PANEL	KW	KILOWATT
C	CONDUIT	FACP	FIRE ALARM CONTROL PANEL	LBS	POUNDS
CAT	CATEGORY	FTC	FIBER OPTIC CABLE CROSS CONNECT CABINET	LV	LOW VOLTAGE
CB	CIRCUIT BREAKER	FLA	FULL LOAD AMPS	MAX	MAXIMUM
CFM	CUBIC FEET PER MINUTE	FLR	FLOOR	MC	METAL CLAD CABLE
CKT	CIRCUIT	FT	FEET	MCB	MAIN CIRCUIT BREAKER
COMM	COMMUNICATION	FTL	FEED THRU LUGS	MS	MOTOR STARTING
CONT.	CONTINUED	FVNR	FULL VOLTAGE NON-REVERSING	MH	MOUNTING HEIGHT
CT	CURRENT TRANSFORMER	G	GROUND	MIN	MINIMUM
CU	COPPER	GC	GENERAL CONTRACTOR	MLO	MAIN LUGS ONLY
CUH	CABINET UNIT HEATER	GFI	GROUND FAULT CIRCUIT INTERRUPTER	MM	MULTIMODE FIBER OPTIC CABLE
CVT	CONTROL VOLTAGE TRANSFORMER	GPM	GALLONS PER MINUTE	MTG	MOUNTING
DDC	DIRECT DIGITAL CONTROL	H	HEIGHT		
DLC	DESIGN LIGHTS CONSORTIUM	HC	HANDICAP ACCESSIBLE		

SYMBOLS LEGEND:

	SURFACE MOUNTED PANEL
	RECESSED PANEL
	JUNCTION BOX
	HOME RUN TO PANEL. 2#12, #12G, 3/4" UNLESS OTHERWISE NOTED. PROVIDE SEPARATE GROUND AND NEUTRAL FOR EACH BRANCH CIRCUIT. 'X'-INDICATES PANEL. 'Z, Y'-INDICATES CIRCUIT NUMBERS
	CIRCUIT CONTINUATION WITH 'Y' INDICATING DEVICE OR AREA DESCRIPTION. 'X'-INDICATES PANEL. 'Z, Y'-INDICATES CIRCUIT NUMBERS
	CIRCUIT CONSISTING OF GROUND, NEUTRAL AND PHASE CONDUCTORS. ADDITIONAL SLASH MARKS INDICATE SWITCHING OR TRAVELER CONDUCTORS, AND A LONG SOLID LINE INDICATES NEUTRAL. A SEPARATE GREEN GROUND CONDUCTOR SHALL BE PLACED IN ALL NEW CIRCUITS
	CONNECTION POINT
	CAPPED CONDUIT
	CONDUIT TURNED DOWN
	CONDUIT TURNED UP
	LINE TYPE SHOWING WIRING BETWEEN LOW VOLTAGE DEVICES
	SINGLE POLE SWITCH. 20 AMP 120/277 UNLESS NOTED OTHERWISE. 'PRV'-INDICATES FAN CONTROL SWITCH. 'P'-INDICATES PILOT LIGHT. 'MS'-INDICATES 1HP RATED GENERAL USE 'SNAP SWITCH' WITH OVERLOADS SIZED FOR EQUIPMENT AND LOCKABLE HASP. '3MS'-INDICATES 3 POLE 600 VOLT 30 AMP 3HP RATED MANUAL MOTOR STARTER WITH LOCKABLE HASP. 'WP'-INDICATES WEATHER PROOF. '3'-INDICATES THREE WAY SWITCH. '4'-INDICATES FOUR WAY SWITCH. 'K'-INDICATES KEYSWITCH. 'LV'-INDICATES LOW VOLTAGE MOMENTARY SWITCH. 'LV6'-INDICATES LOW VOLTAGE MULTIFUNCTION DIMMING SWITCH, 6-BUTTON. 'VS'-INDICATES VACANCY SENSOR SWITCH. 'VS2'-INDICATES 2 POLE WALL MOUNTED VACANCY SENSOR SWITCH. 'D'-INDICATES DIMMER SWITCH. 'LVD'-INDICATES LOW VOLTAGE MULTIFUNCTION DIMMING SWITCH. 'VSD'-INDICATES DIMMING VACANCY SENSOR SWITCH. 'SP'-INDICATES SPEAKER CONTROL.
	NEMA 1 NON-FUSED DISCONNECT UON. 'XX'-INDICATES DISCONNECT SIZE. 'Y'-NUMBER OF POLES.
	NEMA 1 FUSED DISCONNECT UON. 'XX'-INDICATES DISCONNECT SIZE. 'Y'-NUMBER OF POLES. 'ZZ'-FUSE SIZE.
	COMBINATION MOTOR STARTER, SIZE AS INDICATED. 'XX'-INDICATES DISCONNECT SIZE. 'Y'-NUMBER OF POLES. 'ZZ'-FUSE SIZE. 'NF'-NON-FUSED.
	VARIABLE FREQUENCY DRIVE. HP AS INDICATED.
	COMBINATION NON-FUSED DISCONNECT VARIABLE FREQUENCY DRIVE. HP AS INDICATED.
	DUPLEX RECEPTACLE. 'GFI'-INDICATES GROUND FAULT CIRCUIT INTERRUPTER. 'AFI'-INDICATES ARC FAULT CIRCUIT INTERRUPTER. 'WP'-WEATHER-PROOF. 'AC'-INDICATES ABOVE COUNTER, VERIFY HEIGHT. 'SR'-INDICATES SURFACE RACEWAY.
	ABOVE COUNTER GFI DUPLEX RECEPTACLE, VERIFY HEIGHT.
	QUADRUPLEX RECEPTACLE.
	SIMPLEX RECEPTACLE.
	SPECIAL RECEPTACLE, TYPE AS INDICATED.
	DUPLEX RECEPTACLE WITH 2-USB CHARGING PORTS, 3.6 AMP SMART OUTPUT. LEVITON T5832 OR EQUAL.
	Ceiling Mounted Duplex Receptacle. 'DC'-INDICATES DROP CORD.
	FLUSH FLOOR MOUNTED DUPLEX RECEPTACLE.
	FLUSH FLOOR MOUNTED QUADRUPLEX RECEPTACLE.
	TELEPHONE OUTLET MOUNTED AT 48" UON WITH 1" CONDUIT UP TO ABOVE CEILING. 1-PORT IN FACEPLATE UON. PROVIDE 1-CAT 6 CABLE UON.
	DATA OUTLET WITH 1" CONDUIT UP TO ABOVE CEILING. 1-PORT IN FACEPLATE UON. PROVIDE 1-CAT 6 CABLE UON.
	TELE/DATA OUTLET WITH 1" CONDUIT UP TO ABOVE CEILING. 2-PORTS IN FACEPLATE. PROVIDE 2-CAT 6 CABLES.
	Ceiling Mounted Data Outlet. 1-PORT IN FACEPLATE UON. PROVIDE 1-CAT 6 CABLE UON.
	Ceiling Mounted WiFi Antenna. PROVIDE CABLE ABOVE CEILING. PROVIDE 1 CAT 6 CABLE WITH 10' SERVICE LOOP. FOR NON-ACCESSIBLE CEILINGS, INSTALL LOW VOLTAGE RING WALL MOUNTED AT 84" UON.
	WALL MOUNTED 4" SQUARE JUNCTION BOX, EXTRA DEEP FOR AV CABLE PROVIDE 2-1 1/2" CONDUITS TO ABOVE.
	Ceiling Ceiling Mounted 4" SQUARE JUNCTION BOX, EXTRA DEEP FOR AV CABLE PROVIDE 2-1" CONDUITS TO ABOVE CEILING.
	FLUSH FLOOR MOUNTED 4" SQUARE FLOOR BOX, EXTRA DEEP FOR AV CABLE PROVIDE 2-1 1/2" CONDUITS TO ABOVE CEILING.
	CABLE TV OUTLET WITH 1" CONDUIT UP TO ABOVE CEILING. 1 PORT IN FACEPLATE. PROVIDE 1 RG-6/U COAXIAL CABLE.

NEC	NATIONAL ELECTRIC CODE
NI	NIGHT LIGHT
NO/NC	NORMALLY OPEN/NORMALLY CLOSED
OEM	ORIGINAL EQUIPMENT MANUFACTURER
OLS	THERMAL OVERLOAD UNITS
P	POLE
PC	PHOTOCELL
PE	PHOTO EYE
PH	PHASE
PIV	POST INDICATING VALVE
POE	POWER OVER ETHERNET
PR	PAIR
PVC	POLYVINYL CHLORIDE
RAF	RETURN AIR FAN
RECEPT	RECEPTACLE
RVCC	REMOTE VOICE COMMAND CENTER
REL	RELOCATE
REM	REMOVE
REP	REPLACE
RGS	RIGID GALVANIZED STEEL
RPM	REVOLUTIONS PER MINUTE
SAF	SUPPLY AIR FAN
SCH	SCHEDULE
SER	SERVICE ENTRANCE RATED
SPD	SURGE PROTECTIVE DEVICE

	WALL OR CEILING MOUNTED SPEAKER PA SYSTEM
	WALL OR CEILING MOUNTED SOUND SYSTEM/THEATRICAL SPEAKER
	TELEPHONE BACKBOARD. FIRE RETARDANT PLYWOOD PAINTED WITH 2 COATS GRAY FIRE RETARDANT PAINT
	GROUNDING BAR
	FIRE ALARM CONTROL PANEL
	REMOTE ANNUNCIATOR PANEL
	PULL STATION
	WALL MOUNTED OR CEILING MOUNTED SMOKE DETECTOR. PHOTOELECTRIC UON
	SMOKE DETECTOR WITH CARBON MONOXIDE BASE
	HEAT DETECTOR. RATE OF RISE, FIXED TEMPERATURE 135° F
	CARBON MONOXIDE DETECTOR
	PHOTOELECTRIC DUCT SMOKE DETECTOR DUCT SMOKE
	REMOTE INDICATOR AND TEST STATION
	FIRE SMOKE DAMPER
	WALL MOUNTED STROBE ONLY NOTIFICATION APPLIANCE. 15 CANDELA UNLESS NOTED OTHERWISE. 'X'-INDICATES CANDELA RATING STROBE UON
	CEILING MOUNTED STROBE ONLY NOTIFICATION APPLIANCE. 110 CANDELA UNLESS NOTED OTHERWISE. 'X'-INDICATES CANDELA RATING STROBE UON
	WALL MOUNTED FIRE ALARM HORN ONLY
	WALL MOUNTED FIRE ALARM COMBINATION HORN/STROBE. 15 CANDELA UNLESS NOTED OTHERWISE. 'X'-INDICATES CANDELA RATING STROBE UON
	CEILING MOUNTED FIRE ALARM SPEAKER
	DOOR HOLD OPEN DEVICE. 'F'-DESIGNATION INDICATES FLOOR MOUNTED
	FIRE ALARM CONTROL MODULE
	FIRE ALARM MONITOR MODULE
	SPRINKLER PRESSURE SWITCH
	SPRINKLER FLOW SWITCH
	SPRINKLER TAMPER SWITCH
	FIRE ALARM RELAY
	CEILING MOUNTED OCCUPANCY SENSOR. DUAL TECHNOLOGY ULTRASONIC/PIR UNLESS NOTED OTHERWISE. 'MP'-INDICATES MICROPHONICS. 'XR'-INDICATES EXTENDED RANGE
	LIGHTING POWER PACK
	CEILING OR WALL MOUNTED LED EXIT SIGN, PROVIDE DIRECTIONAL ARROWS AS SHOWN ON DRAWINGS
	CEILING OR WALL MOUNTED EMERGENCY LIGHTING UNIT
	CEILING OR WALL MOUNTED COMBINATION EXIT SIGN / EMERGENCY LIGHTING UNIT
	WALL MOUNTED LIGHT. SEE LIGHT FIXTURE SCHEDULE FOR TYPE
	WALL MOUNTED SCONCE. SEE LIGHT FIXTURE SCHEDULE FOR TYPE
	LINEAR WALL MOUNTED. SEE LIGHT FIXTURE SCHEDULE FOR TYPE
	LIGHT FIXTURE. SEE LIGHT FIXTURE SCHEDULE FOR TYPE
	BALLAST DIRECTION INDICATED FIXTURE. SEE LIGHT FIXTURE SCHEDULE FOR TYPE
	LINEAR VARIABLE LENGTH OR EXISTING FIXTURE. SEE LIGHT FIXTURE SCHEDULE FOR TYPE
	LINEAR PENDANT FIXTURE. SEE LIGHT FIXTURE SCHEDULE FOR TYPE
	DIRECTIONAL UPLIGHT OR WALLWASH FIXTURE. SEE LIGHT FIXTURE SCHEDULE FOR TYPE
	LINEAR STRIP FIXTURE. SEE LIGHT FIXTURE SCHEDULE FOR TYPE
	SURFACE DOWNLIGHT. SEE LIGHT FIXTURE SCHEDULE FOR TYPE
	RECESSED DOWNLIGHT. SEE LIGHT FIXTURE SCHEDULE FOR TYPE
	PENDANT MOUNTED FIXTURE. SEE LIGHT FIXTURE SCHEDULE FOR TYPE
	ROOFTOP MOUNTED FLOODLIGHT MOUNTED FIXTURE. SEE LIGHT FIXTURE SCHEDULE FOR TYPE
	SPOTLIGHT. SEE LIGHT FIXTURE SCHEDULE FOR TYPE
	ADDED TO A FIXTURE INDICATES EMERGENCY OR GENERATOR POWERED CIRCUIT. 'LS'-INDICATES LIFE SAFETY CIRCUIT. 'NL'-INDICATES NIGHT LIGHT
	ACCESS CONTROL PANEL
	CARD READER
	DOOR OPERATOR POWER CONNECTION
	MOTION SENSOR
	EGRESS SENSOR
	HANDICAP DOOR OPERATOR PUSH PAD ACTUATOR
	SECURITY CAMERA. PROVIDE 1 CAT 6 CABLE FOR CAMERA. CAMERA FURNISHED AND INSTALLED BY OWNER'S SECURITY VENDOR.

ELECTRICAL SPECIFICATIONS:

- GENERAL:
- ALL WORK SHALL BE DONE AS PER THE 2017 NATIONAL ELECTRICAL CODE, 2016 NATIONAL FIRE ALARM AND SIGNALING CODE, AND 2020 BUILDING CODE OF NEW YORK STATE AND ALL AMENDMENTS ADOPTED BY NEW YORK STATE, AND 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.
  - ALL PARTS OF THE ELECTRICAL INSTALLATION SHALL BE ADEQUATELY SUPPORTED FROM THE BUILDING CONSTRUCTION USING APPROVED CLAMP SCREWS WITH THE INSERTS OF EXPANSION ANCHORS, EXPANSION BOLTS AND TOGGLE BOLTS \* IN NO CASE SHALL THE HUNG CEILING MEMBERS OR WIRES BE USED TO SUPPORT CONDUIT\*.
  - FURNISH 12 GAUGE GALVANIZED STEEL CHANNEL AND ACCESSORIES AS MANUFACTURED BY KINDORF ELEC.; B-9000 (12" X 12"), B-901 (12" X 11"), B-902 (12" X 3") OR APPROVED EQUAL.

- FASTENINGS, SUPPORTS, AND HANGERS
- CONDUIT:
- ALL WIRING SHALL BE INSTALLED CONCEALED, WHERE POSSIBLE, USING EMT ABOVE 10 FEET. WHERE BELOW 10 FEET AND SUBJECT TO DAMAGE USE RIGID GALVANIZED STEEL CONDUIT.
  - CONDUIT FITTINGS SHALL BE STEEL, COMPRESSION TYPE.
  - MINIMUM SIZE SHALL BE 1/2".
  - ALL CONDUITS SHALL BE RUN PARALLEL AND/OR PERPENDICULAR TO WALLS AND CEILINGS SUPPORT
  - LIQUID TIGHT FLEXIBLE METAL CONDUIT MAY BE USED FOR FINAL CONNECTION NOT EXCEEDING 36" IN LENGTH.

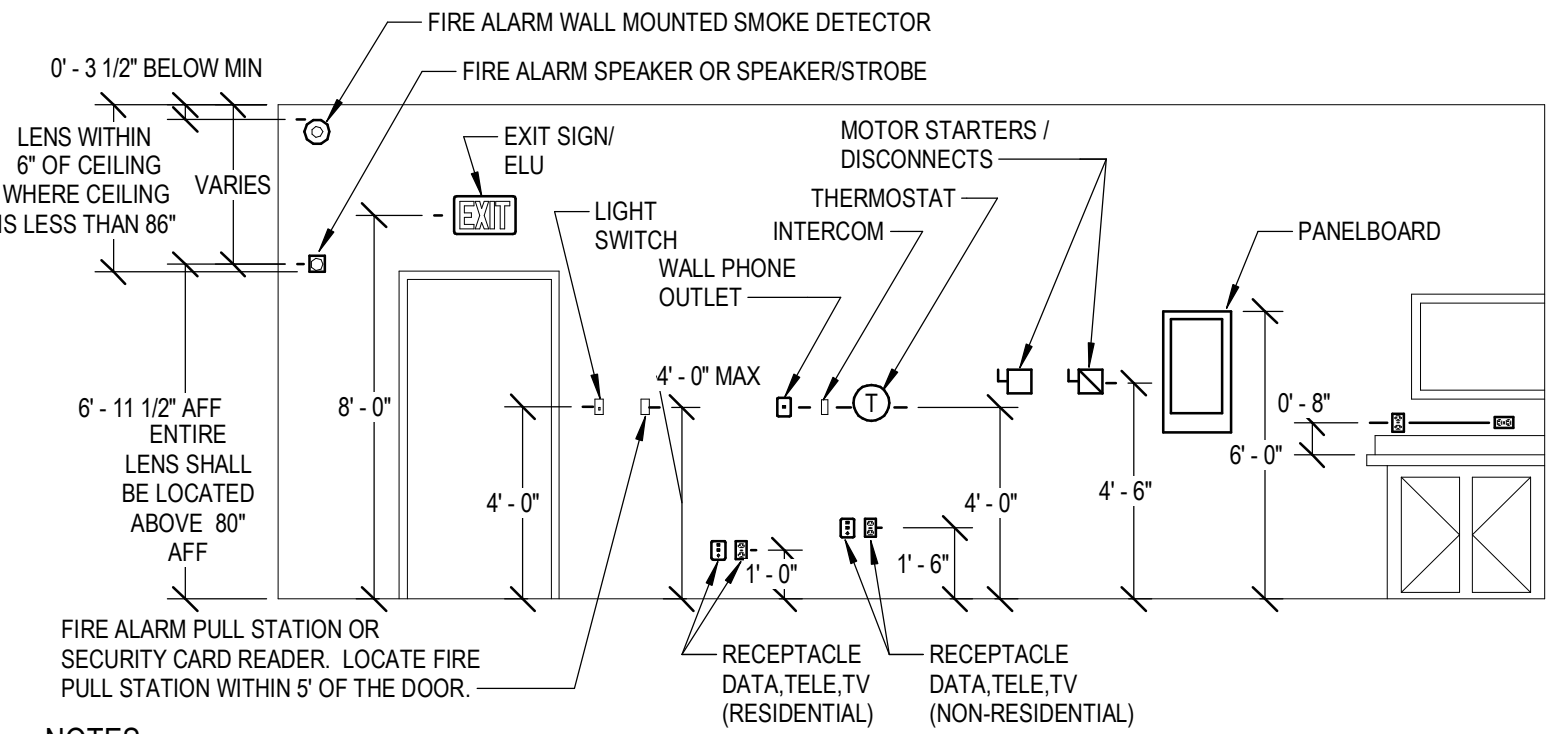
- METAL-CLAD CABLE:
- METAL-CLAD CABLE MAY BE USED AS FIXTURE WHIPS. MAXIMUM LENGTH 6' AND WHERE CONDUCTORS MUST BE 'FISHED' THROUGH WALLS. MINIMUM WIRE SIZE SHALL BE #12 AWG.

- BOXES:
- ALL BOXES SHALL BE STAMPED STEEL TYPE, 4" X 4" X 2 1/8" DEEP.
  - PULL BOXES SHALL STEEL WITH SCREW COVERS.
  - BOX DEVICE COVERS USED IN UNFINISHED AREAS SHALL BE RAISED STEEL.
  - JUNCTION AND PULL BOXES LOCATED OUTDOORS AND IN DAMP LOCATIONS SHALL BE GALVANIZED CAST IRON WITH THREADED HUBS AND GASKETS.

- WIRE AND CABLE:
- ALL WIRE SHALL BE COPPER, RATED 600 VOLTS, TYPE THWN OR THHW MINIMUM SIZE #12 FOR BRANCH CIRCUIT WIRING AND MINIMUM SIZE #14 FOR CONTROL WIRING, UNLESS OTHERWISE SPECIFIED. FOR EXTERIOR APPLICATIONS INSULATION TYPE XHHW.
  - WIRE #10 AWG AND SMALLER SHALL BE SOLID, WIRE # 8 AWG AND LARGER SHALL BE SINGLE CONDUCTOR STRANDED.
  - WIRING SHALL BE CONSISTENTLY COLOR CODED THROUGHOUT. FOR 120/208 VOLT SYSTEMS: RED, BLUE, BLACK FOR LINE (PHASE) CONDUCTORS AND WHITE FOR NEUTRAL CONDUCTOR, SWITCH LEG SHALL BE SEPARATELY IDENTIFIED. FOR 277/480 VOLT SYSTEMS: BROWN, ORANGE, YELLOW FOR LINE (PHASE) CONDUCTORS AND GRAY FOR NEUTRAL CONDUCTOR, SWITCH LEG SHALL BE SEPARATELY IDENTIFIED.
  - GROUND CONDUCTORS SHALL BE GREEN.
  - NO COMMON NEUTRALS ARE ALLOWED.

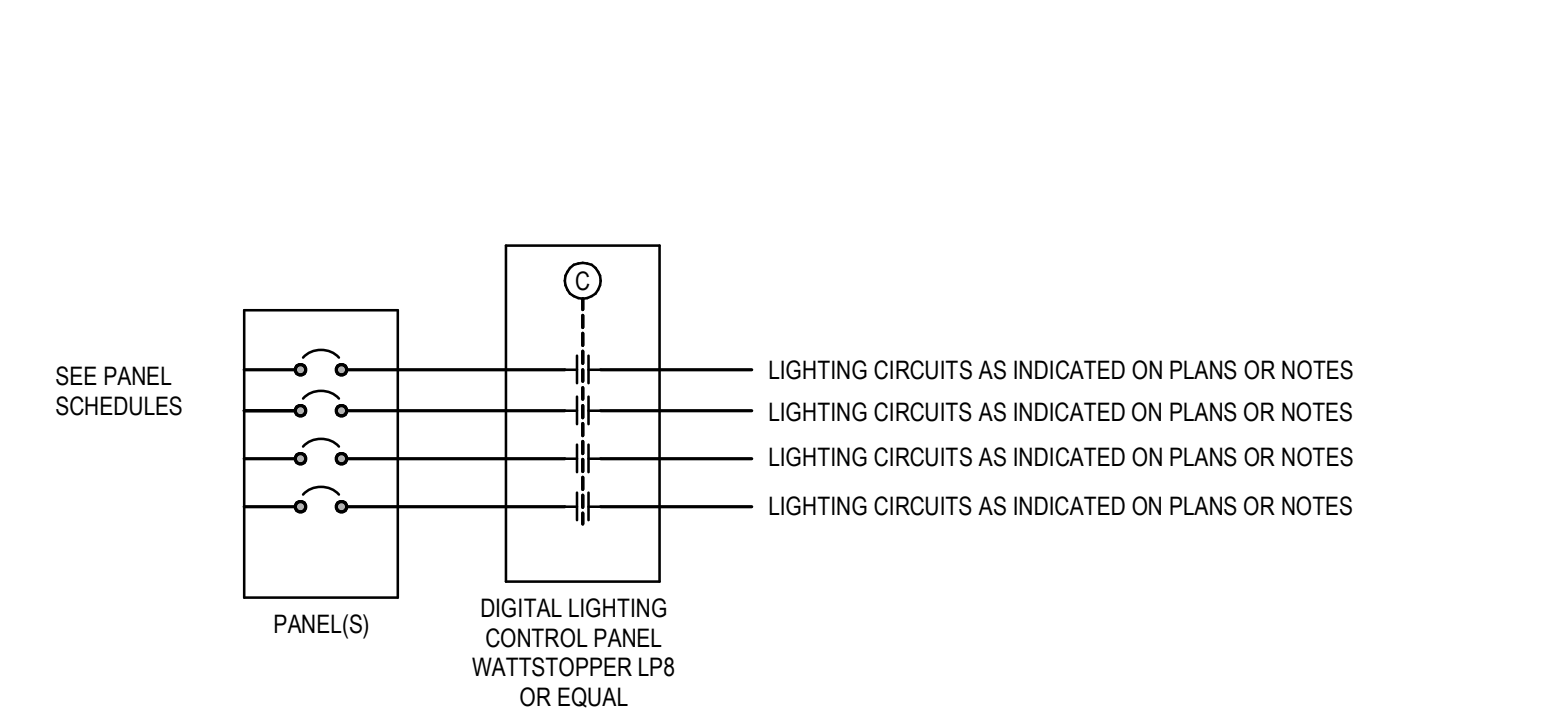
- WIRING DEVICES:
- ALL WIRING DEVICES SHALL BE RATED 20AMP, SPECIFICATION GRADE, COLOR TO MATCH EXISTING. NYLON COVER PLATES.
- SAFETY SWITCHES:
- SAFETY SWITCHES SHALL BE OF SIZE NOTED ON THE DRAWING, OR AS REQUIRED; FUSIBLE OR NON-FUSIBLE AS INDICATED. ALL SWITCHES SHALL BE HEAVY DUTY TYPE AND SHALL HAVE QUICK-MAKE, QUICK-BREAK MECHANISM.
  - ALL SWITCHES SHALL BE OF PROPER HORSEPOWER RATING AS APPLICABLE AND HAVE DUAL INTERLOCKS DESIGNED TO INTERLOCK THE SWITCH BOX DOOR WITH THE SWITCH OPERATING MECHANISM.

- SURFACE RACEWAY:
- STEEL SINGLE CHANNEL ONE PIECE FOR POWER CIRCUITS, DATA CABLES, OR FIRE ALARM. WIREMOLD V500 OR V700. IVORY OR WHITE AS DIRECTED.
  - STEEL DUAL CHANNEL TWO PIECE FOR POWER CIRCUITS AND DATA INCLUDING DEVICES. WIREMOLD 4000. IVORY OR GRAY AS DIRECTED



- NOTES:
- THE ABOVE MOUNTING HEIGHTS SHALL APPLY TO ALL DEVICES UNLESS NOTED OTHERWISE ON THE PLANS. ALL NOTED DIMENSIONS ARE TO THE CENTERLINE OF THE DEVICE FROM THE FINISHED FLOOR UNLESS NOTED OTHERWISE.
  - WHERE SPECIAL CONDITIONS PREVENT THE INSTALLATION OF DEVICES AT THE ABOVE HEIGHTS, THE EC SHALL VERIFY HEIGHTS ON SITE WITH THE ARCHITECT.
  - THE EC SHALL VERIFY FINAL WORKBENCH, COUNTER, CABINET OR VANITY HEIGHTS INCLUDING BACK SPLASH, ON SITE WITH THE GC PRIOR TO THE INSTALLATION OF ANY BOXES.
  - WHERE DEVICES ARE INSTALLED ABOVE OR BELOW EACH OTHER ALL DEVICE BOXES SHALL ALIGN VERTICALLY.
  - WHERE DEVICES RE INSTALLED ON EACH SIDE OF A RATED WALL THE DEVICES SHALL BE OFFSET.

1. DEVICE MOUNTING DETAIL NTS



3. LIGHTING CONTROL PANEL DIAGRAM 12" = 1'-0"

GENERAL NOTES:

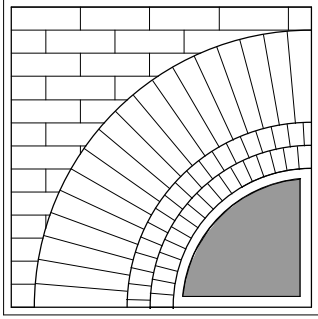
- REPAIR ALL SURFACES DISTURBED AS PART OF THIS WORK TO MATCH EXISTING CONDITIONS.
- REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS TO DETERMINE THE AREAS TO BE DEMOLISHED AND THE EXTENT OF THIS DEMOLITION. COOPERATE FULLY WITH THE ARCHITECT.
- REMOVE ALL BRANCH CIRCUIT CONDUCTORS AND CONDUIT, WHICH SERVE AREAS TO BE DEMOLISHED, BACK TO THE ELECTRICAL PANELBOARDS.
- REMOVE BOXES, LIGHT FIXTURES, AND WIRING DEVICES IN AREAS TO BE DEMOLISHED.
- EXTEND CONDUITS AND CONDUCTORS TO MAINTAIN ELECTRICAL CONTINUITY OF ELECTRICAL EQUIPMENT SERVING AREAS NOT DEMOLISHED AS REQUIRED. THIS APPLIES TO BOTH POWER AND COMMUNICATIONS CIRCUITS.
- LOCATIONS BASED UPON AVAILABLE DOCUMENTATION AND CASUAL FIELD OBSERVATION. CONFIRM ALL LOCATIONS WITH FIELD OBSERVATIONS, MEASUREMENTS AND INVESTIGATION.
- PROVIDE LIFTS, LADDERS AND OTHER EQUIPMENT REQUIRED TO GAIN ACCESS FOR ALL ELEVATED WORK. OWNER'S LIFTS AND LADDERS SHALL NOT BE USED.
- PROVIDE ACCURATE, TYPED, PANEL DIRECTORY FOR ALL PANELS INSTALLED OR MODIFIED AS PART OF THE WORK.
- PROVIDE CIRCUIT BREAKERS LISTED/LABELED FOR EXISTING PANELS TO SUPPLY BRANCH CIRCUITS.
- FIRESTOP ALL PENETRATIONS THROUGH RATED WALLS AND FLOOR WITH A LISTED FIRESTOP METHOD MATCHING THE F AND T RATINGS OF THE PENETRATED MEDIUM.
- SEAL ALL PENETRATIONS THROUGH EXTERIOR WALLS OR THROUGH WALLS OR ROOFS SUBJECT TO MOISTURE.
- COORDINATE WITH OTHER TRADES LOCATIONS OF DISCONNECTS, MOTOR CONTROLLERS AND OTHER ELECTRICAL EQUIPMENT TO PROVIDE REQUIRED CLEARANCES.
- PROVIDE BRANCH CIRCUIT TO TERMINALS OF MECHANICAL EQUIPMENT AND MAKE TERMINATIONS.
- CONNECT EXIT SIGNS AND EMERGENCY LIGHTING UNITS (ELUS) AHEAD OF LOCAL SWITCHING TO THE SAME CIRCUIT AS THE AREA'S GENERAL LIGHTING.
- PROVIDE MOUNTING HARDWARE AND MANUFACTURER'S ACCESSORIES FOR LIGHTING FIXTURES AS REQUIRED FOR A COMPLETE INSTALLATION.
- THE EXISTING FIRE ALARM/SECURITY PANEL IS A HONEYWELL SYSTEM. OBTAIN THE SERVICES OF THE OWNER'S FIRE ALARM VENDOR FOR PROGRAMMING, ADDITIONS, AND/OR RELOCATIONS OF EXISTING SECURITY SYSTEM DEVICES.

INTERFERENCE NOTES:

1. INTERFERENCE IS DEFINED AS:  
A. THE INTERRUPTION OF NORMAL ELECTRICAL POWER DISTRIBUTION TO CONVENIENCE OUTLETS AND OTHER ELECTRICAL EQUIPMENT.
- THIS IS A WORKING INSTITUTION AND CARE SHALL BE TAKEN NOT TO INTERFERE WITH NORMAL BUILDING OPERATIONS.
- IF INTERFERENCE IS UNAVOIDABLE, NOTIFY THE OWNERS, IN WRITING, OF THE NATURE AND DURATION OF THE INTERFERENCE. THIS NOTIFICATION SHALL BE DELIVERED TO THE OWNER'S REPRESENTATIVE AT LEAST ONE WEEK PRIOR TO THE INTERFERENCE. OBTAIN WRITTEN PERMISSION FROM THE OWNER'S REPRESENTATIVE PRIOR TO PROCEEDING WITH THE INTERFERENCE. THE OWNER RESERVES THE RIGHT TO REQUEST THAT THE WORK BE ACCOMPLISHED AFTER NORMAL WORKING HOURS AT NO ADDITIONAL CHARGE IN ORDER TO AVOID THE INTERFERENCE.
- ALL SUCH INTERFERENCES SHALL BE AMENDED AS RAPIDLY AS POSSIBLE, I.E., QUICKLY RESTORE THE BUILDING TO NORMAL OPERATING CONDITIONS.

<div>EQUIPMENT NAME XXX VOLTS, X PH, X WIRE FED FROM PANEL XXX CIRCUIT XX, XX, XX</div>	<p>NOTES:</p> <ol style="list-style-type: none"><li>EXAMPLE PLATE SHOWN.</li><li>PROVIDE MINIMUM 1/4" HEIGHT WHITE LETTERING ON BLACK BACKGROUND.</li><li>ATTACH WITH WATERPROOF ADHESIVE.</li></ol>
---	--

2. LAMINATED IDENTIFICATION PLATE NTS



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SCALE: AS SHOWN  
JOB NO.: 23-46-06  
DATE: 05/20/25

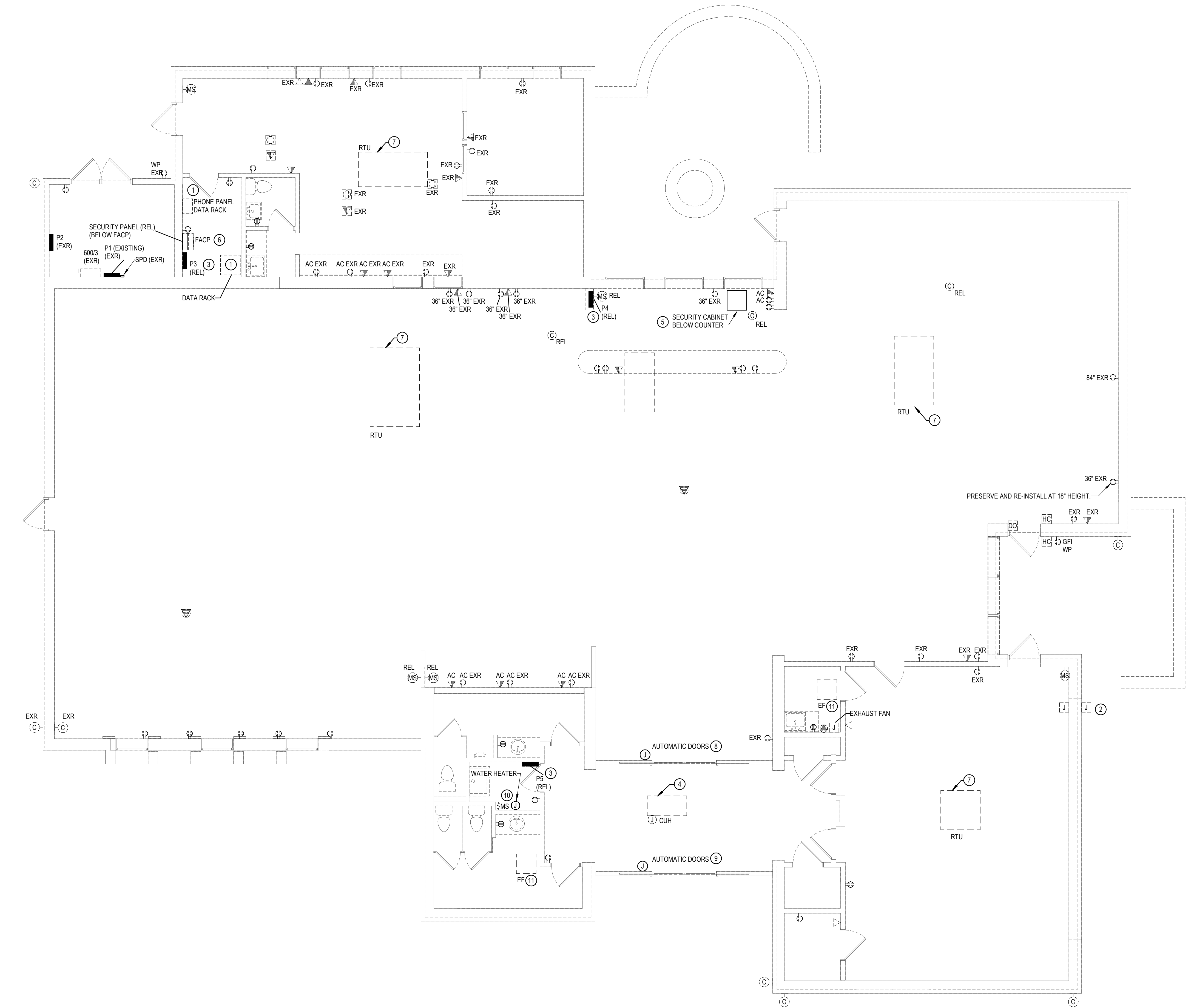
ELECTRICAL  
LEGEND,  
NOTES, AND  
DETAILS

TITLE

E001

DWG. NO.





1 POWER AND DATA REMOVALS PLAN  
3/16" = 1'-0"

GENERAL NOTES:

1. SEE E001 FOR GENERAL NOTES.
2. PHONE SYSTEM PANEL AND DATA RACK AND COMPONENTS WILL BE RELOCATED BY OWNER.

GENERAL REMOVAL NOTES:

1. REMOVAL DRAWINGS INDICATE DEVICE LOCATIONS, EQUIPMENT CONNECTIONS, AND PANEL LOCATIONS AS OBSERVED IN THE FIELD. EXISTING PANEL INFORMATION IS BASED ON FIELD OBSERVATION AND AS BUILT DRAWINGS. VERIFY CIRCUITING IN FIELD PRIOR TO REMOVAL. CONFIRM ALL LOCATIONS WITH FIELD OBSERVATIONS, MEASUREMENTS, AND INVESTIGATION. REMOVE ELECTRICAL ITEMS SHOWN ON PLANS UNLESS NOTED OTHERWISE.
2. PROVIDE LIFTS, LADDERS, AND OTHER EQUIPMENT REQUIRED TO GAIN ACCESS FOR ALL ELEVATED WORK. OWNER'S LIFTS AND LADDERS SHALL NOT BE USED.
3. COORDINATE REMOVALS WITH THE ARCHITECTURAL PLANS.
4. COORDINATE ELECTRICAL REMOVALS WITH OTHER TRADES.
5. CONDUCT REMOVALS TO ALLOW EXISTING RECEPTACLES TO REMAIN TO STAY ON THEIR EXISTING CIRCUIT(S) SHOULD A NEW CIRCUIT OR DEDICATED CIRCUIT NOT BE INDICATED ON THE DRAWINGS.
6. REMOVE CONDUCTORS AND CONDUIT BACK TO SOURCE PANEL WHERE NOT INDICATED FOR REUSE.
7. MAINTAIN CIRCUIT CONTINUITY TO SYSTEMS AND ROOMS ADJACENT TO RENOVATION AND CONSTRUCTION AREAS. PERMANENTLY REPAIR CIRCUITS OR WIRING DISTURBED, MODIFIED, OR DISPLACED BY THE WORK.
8. REPAIR ALL OPEN PENETRATIONS CREATED BY REMOVAL OF ELECTRICAL RACEWAYS.
9. REMOVE CONDUIT AND CONDUCTORS ASSOCIATED WITH FIXTURES, DEVICES, AND EQUIPMENT REMOVED.
10. PROVIDE COVER PLATES FOR ABANDONED FLUSH MOUNTED DEVICES.
11. REMOVE DATA JACKS AND CABLING BACK TO DATA RACKS. REMOVE PHONE JACKS AND CABLING BACK TO TELEPHONE PUNCH PANEL.
12. PROVIDE TEMPORARY LIGHTING TO 10 FC WHERE LIGHTING IS REMOVED OR TEMPORARILY DIMINISHED OR DISABLED.
13. THE EXISTING FIRE ALARM IS A SILENT KNIGHT PANEL MAINTAINED BY SAFECO ALARM SYSTEMS. OBTAIN THE SERVICES OF THE OWNER'S FIRE ALARM VENDOR FOR PROGRAMMING, ADDITIONS, AND/OR RELOCATIONS OF EXISTING FIRE ALARM DEVICES.
14. THE EXISTING SECURITY PANEL IS A REGENCY PANEL MAINTAINED BY SAFECO SECURITY SYSTEMS. OBTAIN THE SERVICES OF THE OWNER'S SECURITY VENDOR FOR PROGRAMMING, ADDITIONS, AND/OR RELOCATIONS OF EXISTING SECURITY SYSTEM DEVICES.
15. PROTECT SMOKE DETECTORS DURING CONSTRUCTION. TAKE MEASURES TO PREVENT FIRE ALARM SYSTEM TRIP DUE TO CONSTRUCTION. RESTORE FIRE ALARM TO FULL FUNCTION WH

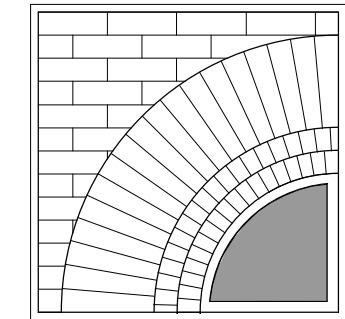
KEYED NOTES:

- 1 PRESERVE AND RELOCATE PHONE PANEL, SECURITY PANEL, DATA RACK, AND ASSOCIATED COMPONENTS.
- 2 REMOVE JUNCTION BOX. PRESERVE CONDUCTORS FOR REUSE.
- 3 RELOCATE PANELBOARD AND EXISTING CIRCUITS TO REMAIN FROM HERE TO NEW LOCATION OF PANEL.
- 4 REMOVE CABINET UNIT HEATER AND REMOVE CONDUCTOR BACK TO SOURCE.
- 5 RELOCATE SECURITY SYSTEM AND EXTEND EXISTING WIRING TO NEW LOCATION. COORDINATE WITH OWNER'S VENDOR.
- 6 PRESERVE AND RELOCATE RELOCATE PHONE PANEL, FACP, SECURITY PANEL, PANEL P3, DATA RACK, AND ASSOCIATED COMPONENTS.
- 7 REMOVE EXISTING HVAC UNIT, DISCONNECTS, AND CIRCUIT BACK TO SOURCE.
- 8 REMOVE AUTOMATIC DOOR AND REMOVE CONDUCTORS BACK TO SOURCE.
- 9 ADD ALTERNATE #4: REMOVE AUTOMATIC DOOR AND REMOVE CONDUCTORS BACK TO SOURCE.
- 10 REMOVE WATER HEATER AND MS SWITCH. REMOVE CONDUCTOR BACK TO SOURCE.
- 11 REMOVE EXHAUST FAN. REMOVE CIRCUIT BACK TO SOURCE.

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JOB NO.: 23-46-06  
DATE: 05/20/25

**POWER AND  
DATA  
REMOVALS  
PLAN**

TITLE

**ER101**  
DWG. NO.

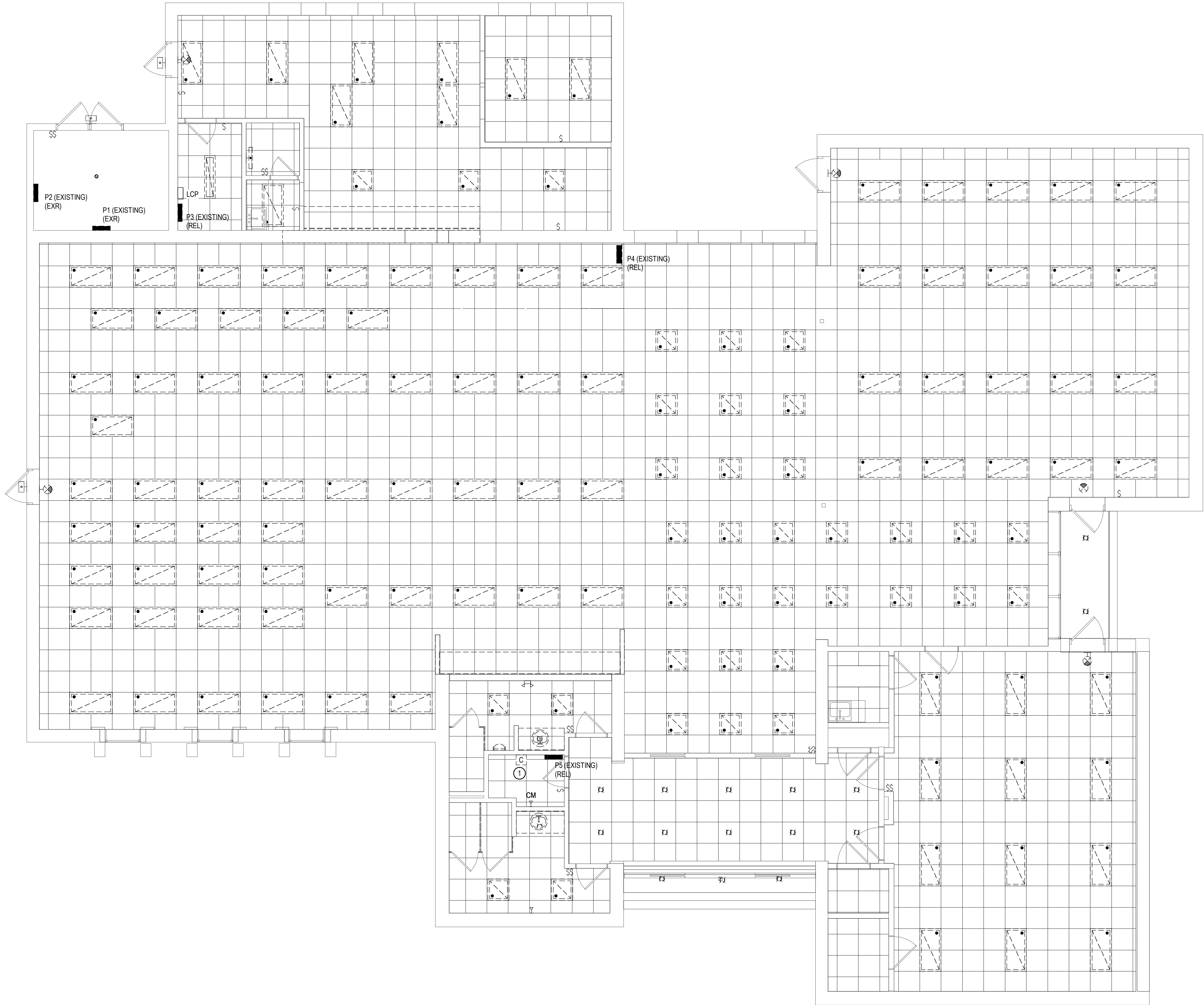


GENERAL NOTES:

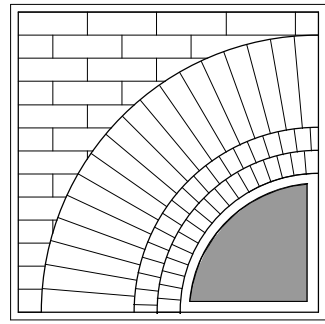
1. SEE E001 FOR GENERAL NOTES.
2. SEE ER101 FOR GENERAL REMOVAL NOTES.

KEYED NOTES:

- ① EXTEND EXISTING UG SITE LIGHTING CIRCUITS SERVED FROM THIS PANEL AND CONTACTOR TO NEW LOCATION OF PANELBOARD AND TIMECLOCK. REMOVE CONTACTOR.



① LIGHTING REMOVALS PLAN  
3/16" = 1'-0"



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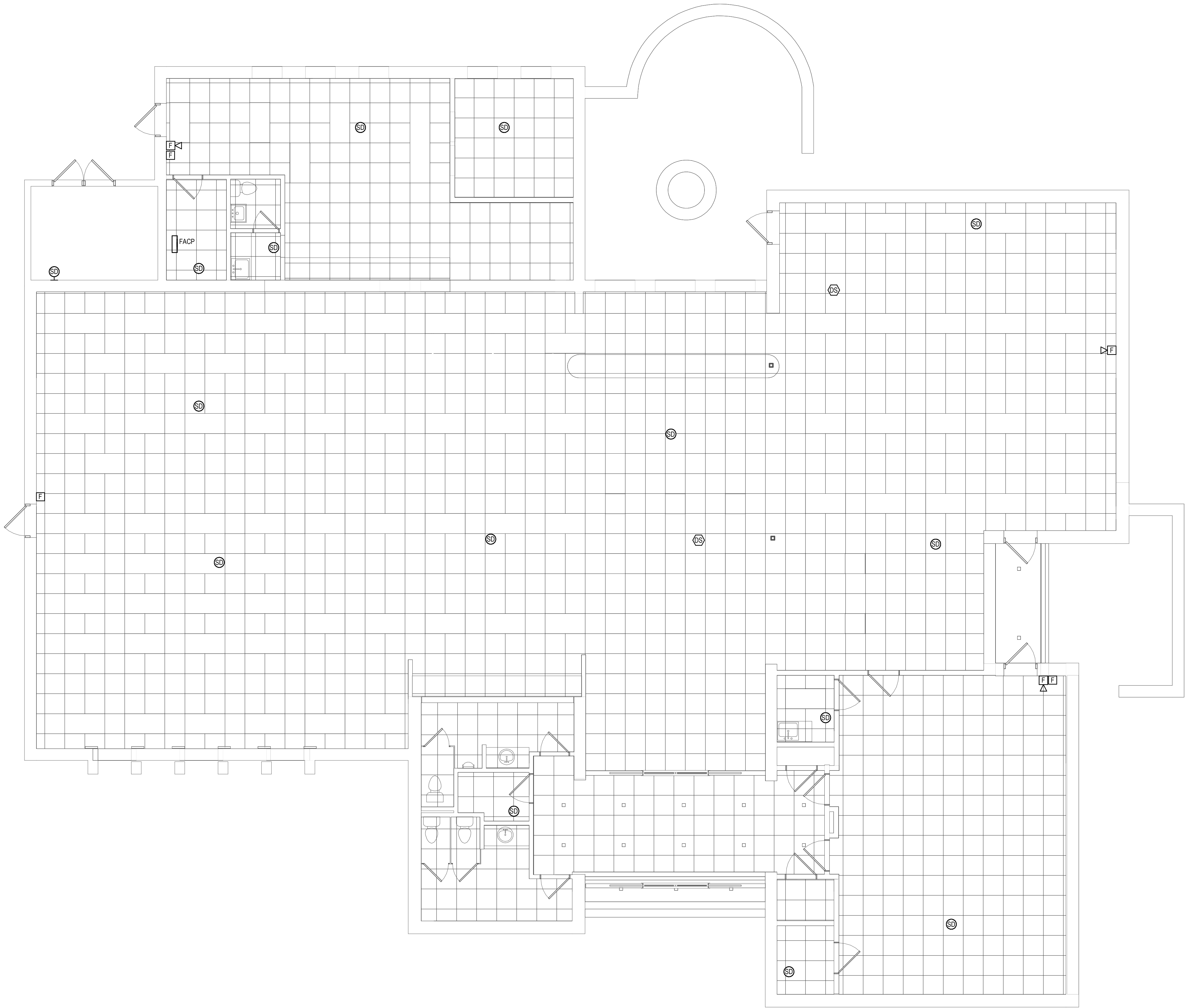
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**LIGHTING  
REMOVALS  
PLAN**

TITLE

**ER201**  
DWG. NO.





① FIRE ALARM REMOVALS PLAN  
3/16" = 1'-0"

GENERAL NOTES:

- SEE E001 FOR GENERAL NOTES.
- SEE ER101 FOR GENERAL REMOVAL NOTES.

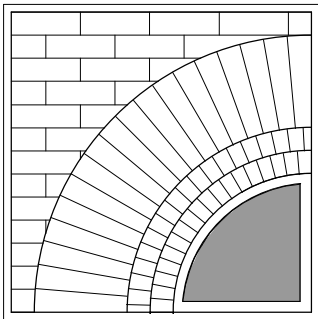
KEYED NOTES:



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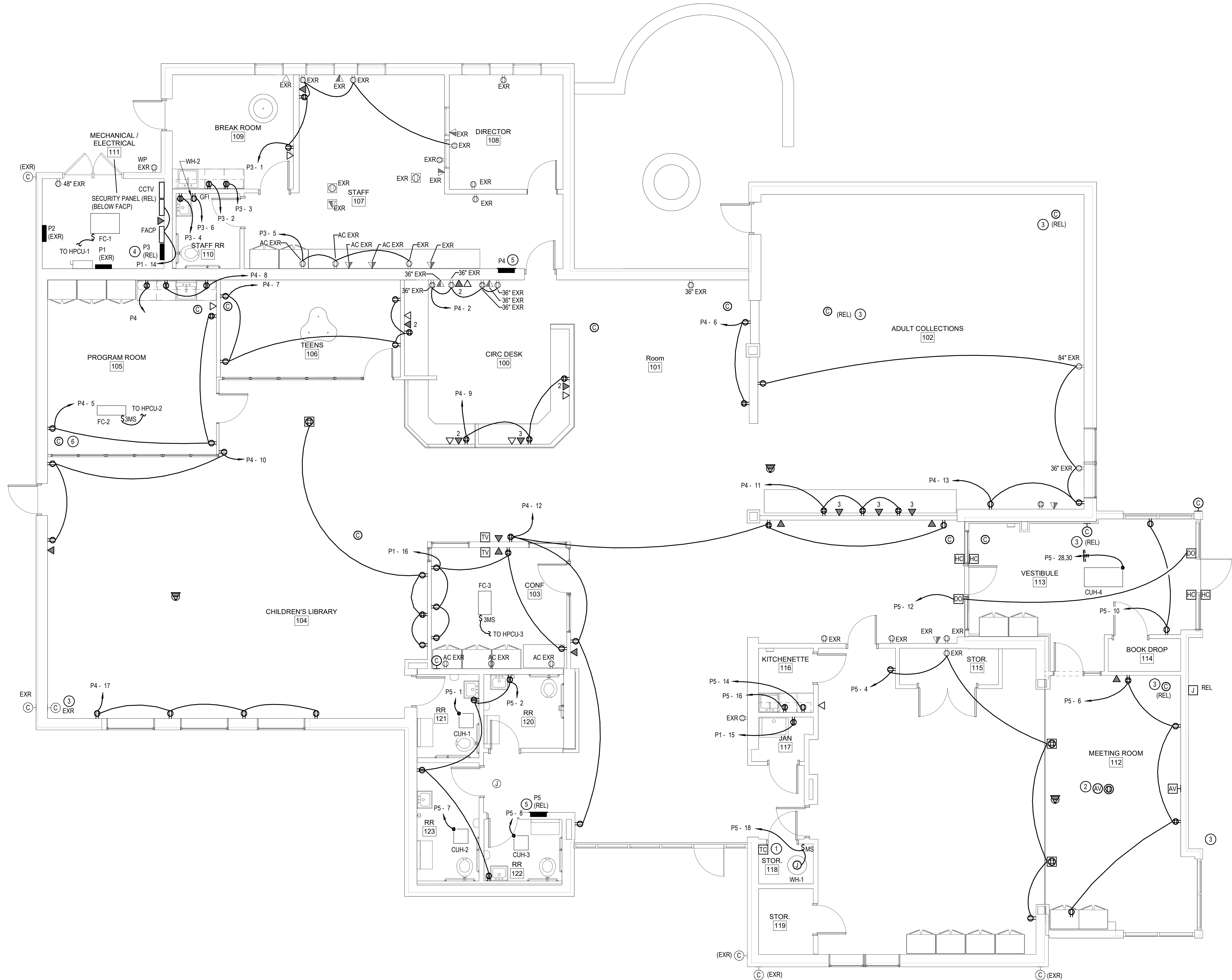
**FIRE ALARM  
REMOVALS  
PLAN**

TITLE

**ER301**

DWG. NO.





1 POWER AND DATA PLAN  
3/16" = 1'-0"

GENERAL NOTES:

1. SEE E001 FOR GENERAL NOTES.
2. ALL DUPLEX AND QUADRUPEX RECEPTACLES PROVIDED DURING THIS PHASE MUST BE TAMPER-RESISTANT.

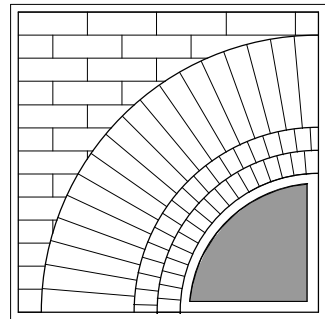
KEYED NOTES:

- 1 PROVIDE INTERMATIC # ET2145C TIMECLOCK (4 CIRCUIT) TO CONTROL SITE AND BUILDING EXTERIOR LIGHTING.
- 2 PROVIDE ONE 25' ACTIVE HDMI CABLE FROM CEILING MOUNTED AV BOX TO WALL MOUNTED AV BOX. LEAVE 1' OF CABLE LENGTH AT CEILING MOUNTED AV BOX FOR CONNECTION TO PROJECTOR.
- 3 PRESERVE EXISTING CAMERA AND CABLE. REUSE IN PLACE AFTER CEILING AND WALL WORK IS COMPLETE.
- 4 PRESERVE AND RELOCATE RELOCATE PHONE PANEL, FACP, SECURITY PANEL, PANEL P3, DATA RACK, AND ASSOCIATED COMPONENTS.
- 5 PRESERVE AND RELOCATE PANEL.
- 6 PROVIDE INTERMATIC # ET2145C TIMECLOCK (4 CIRCUIT) TO CONTROL SITE AND BUILDING EXTERIOR LIGHTING.

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for the  
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1251 Rte 9W  
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PROJECT



SAGE ENGINEERING  
ASSOCIATES, LLP  
9 COLUMBIA CIRCLE  
ALBANY, NY 12203  
(518) 483-4091 FAX: (518) 483-4092  
SAGE PROJECT 4095

CONSULTANT



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SCALE: AS SHOWN  
JOB NO.: 23-46-06  
DATE: 05/20/25

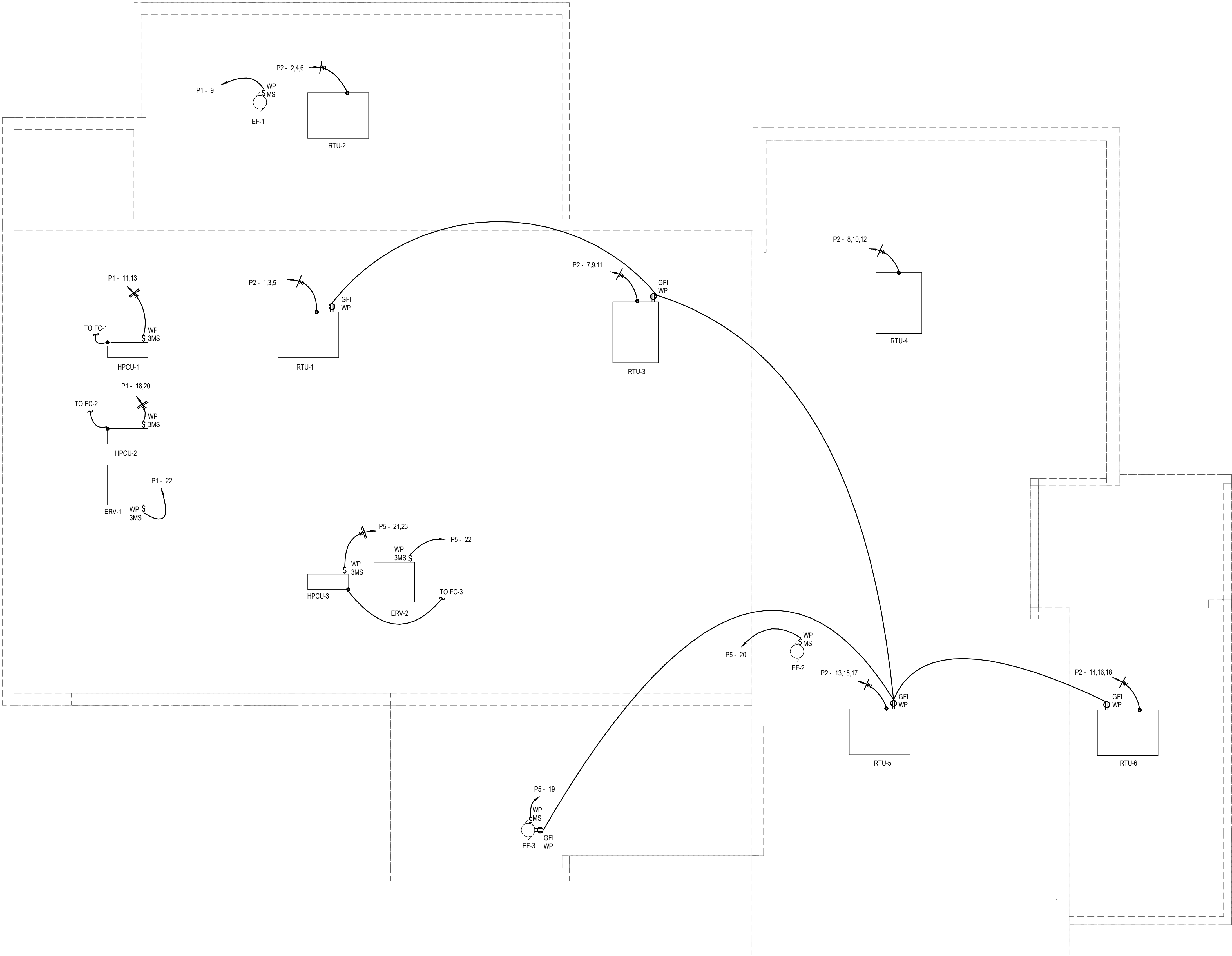
POWER AND  
DATA PLAN

TITLE

**E101**

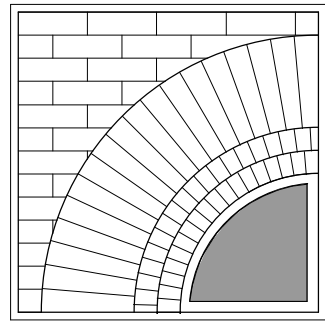
DWG. NO.





GENERAL NOTES:  
1. SEE E001 FOR GENERAL NOTES.

KEYED NOTES:  
○



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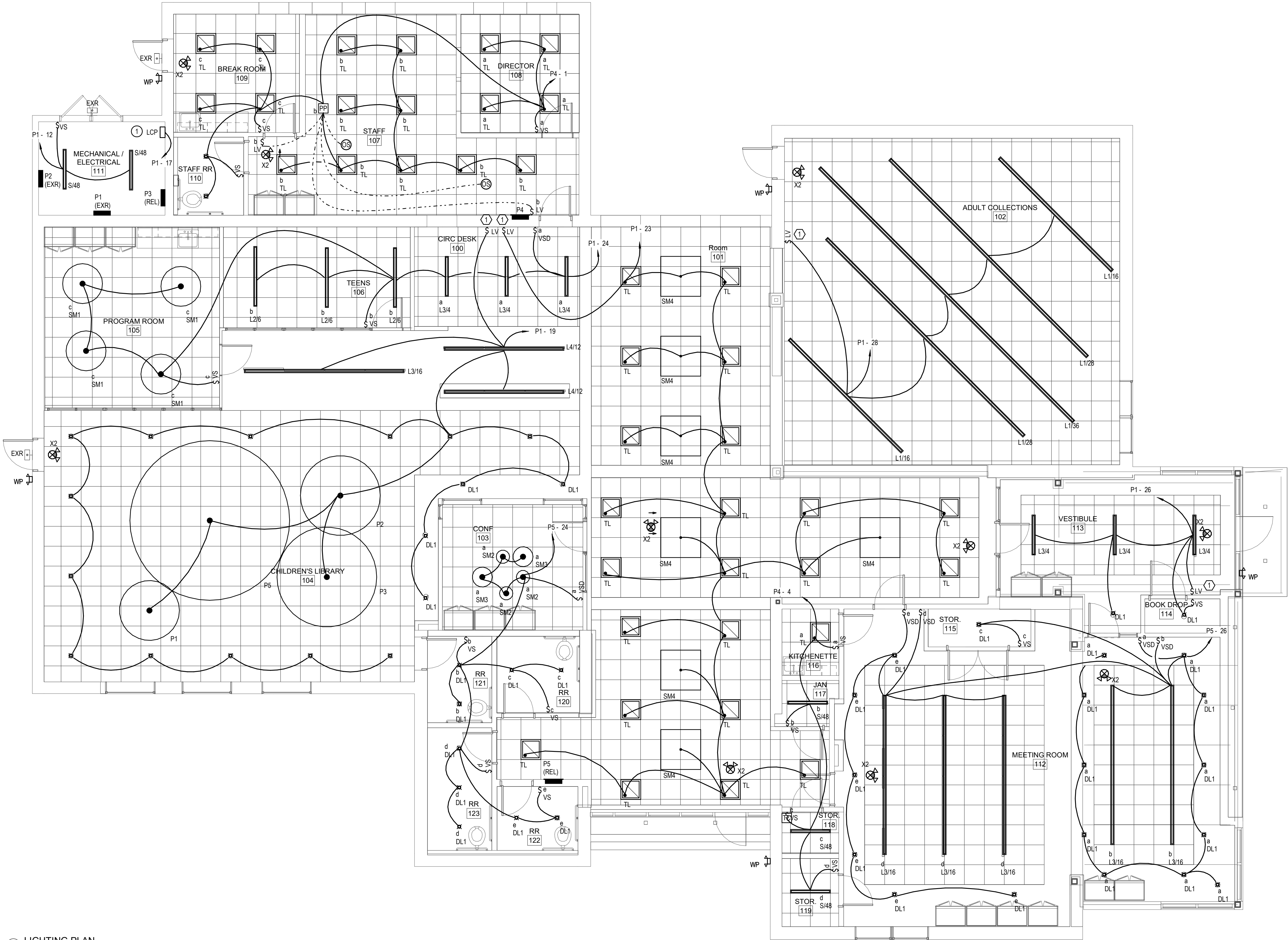
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**MECHANICAL  
POWER PLAN**

TITLE

**E102**  
DWG. NO.





1 LIGHTING PLAN  
3/16" = 1'-0"

GENERAL NOTES:

1. SEE E001 FOR GENERAL NOTES.

KEYED NOTES:

- 1 PROVIDE LIGHTING CONTROL PANEL. LIGHTING CONTROL PANEL SHALL CONTAIN TIME-SWITCH CONTROLS. SET TIME-SWITCH CONTROLS FOR THE LIBRARY'S HOURS OF OPERATION (9:30AM-8PM MONDAY-FRIDAY, 11AM-5PM SATURDAY, 1-5PM SUNDAY). PROGRAM TIME-SWITCH CONTROLS TO SHUT OFF DURING OFF HOURS AND HOLIDAYS.

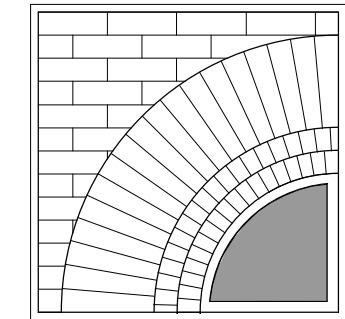
LCP NOTES

- 1 CONNECT LOW VOLTAGE SWITCH TO THE LCP VIA LIGHTING CONTROL CIRCUIT. LOW VOLTAGE SWITCH SHALL BE CAPABLE OF DIMMING (LIGHT REDUCTION BY NOT LESS THAN 50 PERCENT). LOW VOLTAGE SWITCH SHALL PERMIT THE CONTROLLED LIGHTING AREA TO REMAIN ON FOR NOT MORE THAN 2 HOURS.

5/20/2025 ISSUED FOR BIDDING

ISSUES AND REVISIONS

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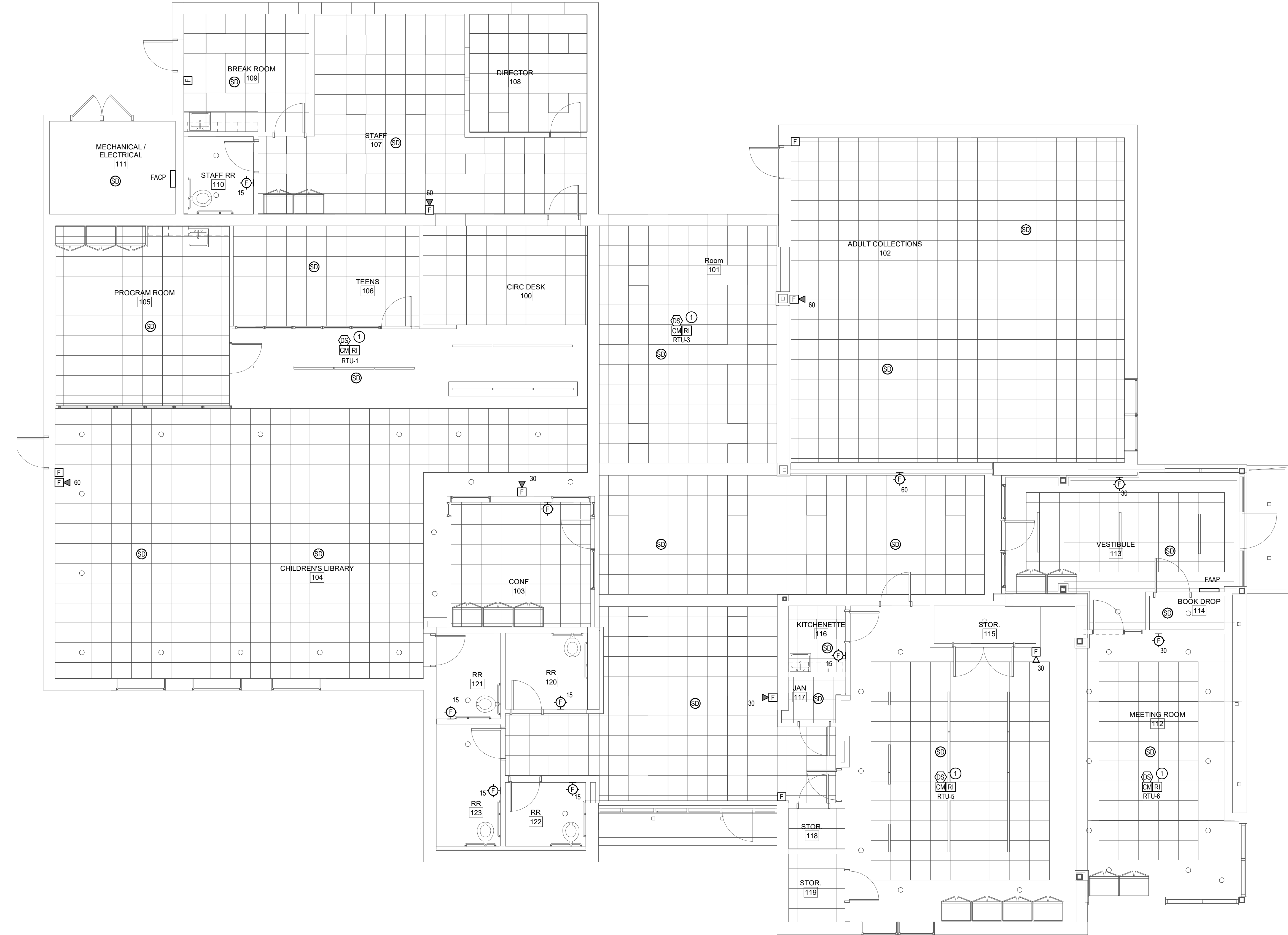
DWN. BY: RET  
SCALE: AS SHOWN  
JOB NO.: 23-46-06  
DATE: 05/20/25

**LIGHTING  
PLAN**

TITLE

**E201**  
DWG. NO.





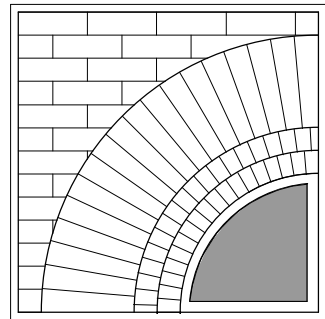
1 FIRE ALARM PLAN  
3/16" = 1'-0"

GENERAL NOTES:

1. SEE E001 FOR GENERAL NOTES.

KEYED NOTES:

- 1 PROVIDE DUCT SMOKE DETECTOR IN THE RETURN DUCT OF INDICATED UNIT. LOCATE DUCT SMOKE DETECTOR UPSTREAM OF ALL BRANCHES. PROVIDE CONTROL RELAYS AS NECESSARY TO SHUT DOWN ROOFTOP UNIT THAT DUCTWORK RETURNS TO. PROVIDE WIRING, INCLUDING ANY CONTROL WIRING, PER MANUFACTURERS INSTRUCTIONS.



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**FIRE ALARM  
PLAN**

TITLE

**E301**

DWG. NO.



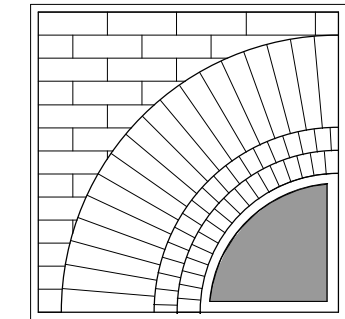
LIGHTING FIXTURE SCHEDULE									
NOTE:									
TYPE	DESCRIPTION	MANUFACTURER	LAMP				VOLTS	FIXTURE REMARKS	
			TYPE	WATTS	LUMENS	COLOR			
DL1	4" ROUND RECESSED LED DOWNLIGHT	LUMENWERX	LED	14.0 W	767 lm	3500 K	120/277		
L1/16	LINEAR SUSPENDED BI-DIRECTIONAL LED	Tetra2 Direct Lambertian 2ft 80CRI 4000K Medium	LED	88.0 W	2600 lm	3500 K	120/277		
L1/28	LINEAR SUSPENDED BI-DIRECTIONAL LED	Tetra2 Indirect Lambertian 2ft 80CRI 4000K Medium	LED	154.0 W	2600 lm	3500 K	120/277		
L1/36	LINEAR SUSPENDED BI-DIRECTIONAL LED	Tetra2 Direct Lambertian 2ft 80CRI 4000K Medium	LED	198.0 W	2600 lm	3500 K	120/277		
L2/6	LINEAR SUSPENDED ACCOUSTIC LED	Lumenwerx VIA1.5PD-HLO-FH-SW-80-500-35-4FT	LED	30.6 W	2600 lm	3500 K	120/277		
L3/4	LINEAR SUSPENDED ACCOUSTIC LED	LUMENWERX VIA1.5PD-HLO-FH-SW-80-500-35-4FT	LED	28.0 W	2600 lm	3500 K	120/277		
L3/16	LINEAR RECESSED LED	LUMENWERX VIA1.5PD-HLO-FH-SW-80-500-35-4FT	LED	112.0 W	2600 lm	3500 K	120/277		
L4/12	LINEAR SUSPENDED LED	LUMENWERX QUAWP-HLO-LED-80-750-35-4FT	LED	21.1 W	2600 lm	3500 K	120/277		
P1	ACCOUSTIC RING 6"	LumenWerx PCROD-48-ULO-LED-80-7000-35-UNV	LED	116.0 W	0 lm	3500 K	120/277	SUSPEND WITH 8" FROM BOTTOM OF FIXTURE TO FLOOR.	
P2	ACCOUSTIC RING 8"	LightArt Accoustic Ring 8"	LED	173.0 W	0 lm	3500 K	120/277	SUSPEND WITH 8" FROM BOTTOM OF FIXTURE TO FLOOR.	
P3	ACCOUSTIC RING 10"	LightArt Accoustic Ring 10"	LED	231.0 W	0 lm	3500 K	120/277	SUSPEND WITH 8" FROM BOTTOM OF FIXTURE TO FLOOR.	
P5	ACCOUSTIC RING 16"	LightArt Accoustic Ring 16"	LED	375.0 W	0 lm	3500 K	120/277	SUSPEND WITH 8" FROM BOTTOM OF FIXTURE TO FLOOR.	
S/48	CONTRACTOR LED SINGLE STRIP, 48", 3000 LUMENS, 120-347V, 3500K, 80 CRI	CSS L48 ALO3 (3000) UVOLT SWW3 (35) 80CRI	LED	27.0 W	2600 lm	3500 K	120/277		
SM1	ROUND SUSPENDED 48" LED	LumenWerx PCROD-48-ULO-LED-80-7000-35-UNV	LED	64.6 W	0 lm	3500 K	120/277		
SM2	ROUND SUSPENDED 16"	BROWNLEE LIGHTING INC 2470-16-WH-R22-35K	LED	0.0 W	0 lm	3500 K	120/277		
SM3	ROUND SUSPENDED 24"	BROWNLEE LIGHTING INC 2472-24-WH-R49-35K	LED	2196.0 W	0 lm	3500 K	120/277		
SM4	9" BLACK PENDANT	LightArt ACC-SHPE-BOX-48SQ-12H	E12	60.0 W	1200 lm	3000 K	120/277		
TL	2X2 ALO3 SWW7 MVOLT 3500K MEDIUM LUMEN	LITHONIA LIGHTING LFRM 2X2ALO3 SWW7 MVOLT M6	LED	24.0 W	3130 lm	3500 K	120/277		
	LED EMERGENCY LIGHTING UNIT WITH ADJUSTABLE HEADS, SELF DIAGNOSTICS	LITHONIA #ELMZLEDSD	LED	2.9 W			120		
X2	UNIVERSAL MOUNT SINGLE OR DOUBLE FACE THERMOPLASTIC LED EXIT SIGN WITH EMERGENCY LIGHTING UNIT, SELF DIAGNOSTICS		LED	3.4 W	-		120	PROVIDE MOUNTING AND DIRECTIONAL CONFIGURATION AS INDICATED ON DRAWINGS	

LIGHTING CONTROL PANEL SCHEDULE							
NOTE:							
NAME AND LOCATION					MOUNTING SURFACE	CIRCUIT	VOLTAGE
LCP MECHANICAL/ELECTRICAL 111						P1-17	120 V
RELAY	DESCRIPTION	RELAY TYPE	CIRCUIT	VOLTAGE	INPUTS	MANUAL CONTROLS	
1	CHILDREN'S LIBRARY 104		P1-19	120 V			
2	ROOM 101		P1-23	120 V			
3	ADULT COLLECTIONS 102		P1-28	120 V			
4	VESTIBULE 113		P1-26	120 V			
5	PROGRAM ROOM 105, TEENS 106, CIRC DESK 100		P1-24	120 V			

GENERAL NOTES:

1. SEE E001 FOR GENERAL NOTES.

KEYED NOTES:



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**LIGHTING  
FIXTURE  
SCHEDULE**

TITLE

**E501**  
DWG. NO.



1. SEE E001 FOR GENERAL NOTES

NAME: P4 (EXISTING)

MOUNTING: RECESSED

VOLTS: 208Y/120

MAIN RATING: 225 A

MCB: MLO

OTHER:

NOTES:

RELOCATE EXISTING PANEL

PHASE: 3

WIRE: 4

MIN A/C RATING:

AMPS RMS SYM

LOCATION: Room 101

OKT	DESCRIPTION	LOAD	WIRE	BKR	P	A	B	C	A	B	C	P	BKR	WIRE	LOAD	DESCRIPTION	OKT	
1	MAIN RM. LIGHTS; SOUTH SEC.	--	--	20	1	0		0				1	20	--	--	MAIN RM. LIGHTS; NORTH SEC.	2	
3	MAIN RM. LIGHTS; SOUTH SEC.	--	--	20	1		0			0		1	20	--	--	MAIN RM. LIGHTS; NORTH SEC.	4	
5	MAIN RM. LIGHTS; SOUTH SEC.	--	--	20	1			0			0	1	20	--	--	MAIN RM. LIGHTS; NORTH SEC.	6	
7	MAIN RM. LIGHTS; SOUTH SEC.	--	--	20	1	0						1	20	--	--	MAIN RM. LIGHTS; NORTH SEC.	8	
9	MAIN RM. LIGHTS; SOUTH SEC.	--	--	20	1		0				0	1	20	--	--	MAIN RM. LIGHTS; NORTH SEC.	10	
11	MAIN RM. LIGHTS; SOUTH SEC.	--	--	20	1			0				0	1	20	--	--	SPARE	12
13	MAIN RM. LIGHTS; SOUTH SEC.	--	--	20	1	0			0			1	20	--	--	MAIN RM. LIGHTS; CENTER	14	
15	MAIN RM. LIGHTS; SOUTH SEC.	--	--	20	1		0				0	1	20	--	--	MAIN RM. LIGHTS; CENTER	16	
17	PATIO ELECTRIC DOOR	--	--	20	1			0				0	1	20	--	--	LIGHTS - OFFICE AREA	18
19	SPARE	--	--	20	1	0						1	20	--	--	LIGHTS - OFFICE AREA	20	
21	SPARE	--	--	20	1		0			0		1	20	--	--	OFFICE AREA BATH FAN	22	
23	MAIN RM. OUTLETS, NORTH SEC.	--	--	20	1			0				0	1	20	--	--	OFFICE AREA OUTLETS	24
25	MAIN RM. OUTLETS, NORTH SEC.	--	--	20	1	0				0		1	20	--	--	OFFICE AREA OUTLETS	26	
27	CIRC. DESK AREA OUTLETS	--	--	20	1		0			0		1	20	--	--	OFFICE/KITCHEN OUTLETS	28	
29	CIRC. DESK AREA OUTLETS	--	--	20	1			0				0	1	20	--	--	OFFICE/BATHS STORAGE OUTLETS	30
31	COUNTER OUTLETS; WEST WALL	--	--	20	1	0				0		1	20	--	--	OPER. OUTLET - FRONT AREA	32	
33	MAIN RM. OUTLETS; SOUTH	--	--	20	1		0				0	1	20	--	--	COPPER OUTLET - OFFICE AREA	34	
35	MAIN RM. OUTLETS; SOUTH	--	--	20	1			0				0	2	30	--	--	WATER HEATER	36
37	COUNTER OUTLETS; EAST WALL	--	--	20	1	0						--	--	--	--	--	--	38
39	MAIN RM. OUTLETS; SOUTH	--	--	20	1		0					0	2	20	--	--	KITCHENETTE COOKTOP	40
41	NITE/EMER. LIGHTS (MAIN AREA)	--	--	20	1		0		0			0	--	--	--	--	--	42

NAME: P4										PANEL SCHEDULE MODIFIED										
MOUNTING: RECESSED			VOLTS: 208Y/120			PHASE: 3					WIRE: 4									
MAIN RATING: 225 A			MCB: MLO			MIN AIC RATING:					AMPS RMS SYM									
OTHER:						LOCATION: STAFF 107														
NOTES:																				
CKT	DESCRIPTION				LOAD	WIRE	BKR	P	A	B	C	A	B	C	P	BKR	WIRE	LOAD	DESCRIPTION	CKT
1	LGT Room 107, 108, 109				408	#12	20	1	408			1080			1	20	#12	1080	RECEPT CIRC DESK 100	2
3													105		1	20	#12	105	LGT ROOM 116, 117, 118, 119	4
5	RECEPT PROGRAM ROOM 105				720	#12	20	1		720				360	1	20	#12	360	RECEPT ROOM 101	6
7	RECEPT ROOM 106, 107				1080	#12	20	1	1080			360			1	20	#12	360	RECEPT PROGRAM ROOM 105	8
9	RECEPT CIRC DESK 100				1080	#12	20	1		1080			360		1	20	#12	540	RECEPT CHILDREN'S LIBRARY 104	10
11	RECEPT ADULT COLLECTIONS 102				540	#12	20	1		540			540	1260	1	20	#12	1260	RECEPT ROOM 101	12
13	RECEPT ADULT COLLECTIONS 102				900	#12	20	1	900											14
15	RECEPT PROGRAM ROOM 105				180	#12	20	1	180											16
17	RECEPT CHILDREN'S LIBRARY 104				720	#12	20	1		720										18
19																				20
21																				22
23																				24
25																				26
27																				28
29																				30
31																				32
33																				34
35																				36
37																				38
39													0		2	20	--	--	KITCHENETTE COOKTOP	40
41	NITE/EMER. LIGHTS (MAIN AREA)				--	--	20	1		0			0	--	--	--	--	--		42

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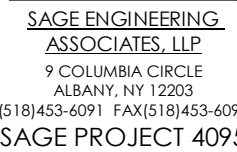
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DATE: 05/20/25

## PANEL SCHEDULES

**TITLE**

# E601

**DWG. NO**



NAME: P5 (EXISTING)				RELOCATE EXISTING PANEL																														
MOUNTING:	SURFACE	VOLTS:	208Y/120	PHASE:	3	WIRE:	4																											
MAIN RATING:	200 A	MCB:	MLO	MIN A/C RATING:		AMPS RMS SYM																												
OTHER:				LOCATION:																														
NOTES:																																		
CKT	DESCRIPTION	LOAD	WIRE	BKR	P	A	B	C	A	B	C	P	BKR	WIRE	LOAD	DESCRIPTION	CKT																	
1	BATH AREA LIGHTS	--	--	20	1	0		0				1	20	--	--	BATH AREA OUTLETS	2																	
3	FOYER LIGHTS	--	--	20	1		0			0		1	20	--	--	MEETING ROOM OUTLETS	4																	
5	OUTSIDE LIGHTS	--	--	20	1			0				0	1	20	--	MEETING ROOM OUTLETS	6																	
7	MEETING ROOM LIGHTS	--	--	20	1	0		0				1	20	--	--	KITCHENETTE EXHAUST FAN	8																	
9	MEETING ROOM LIGHTS	--	--	20	1		0			0		1	20	--	--	SOUTH SIDE COPIER	10																	
11	MTEEMER LIGHTS (FRONT)	--	--	20	1			0				0	1	20	--	NORTH SIDE COPIER	12																	
13	FLAGPOLE LIGHT	--	--	20	1	0		--				1	--	--	--	--	14																	
15	OUTSIDE POST LIGHTS	--	--	20	1		0			--		1	--	--	--	--	16																	
17	NORTH PARKING POLE LIGHTS	--	--	20	1			0			--	1	--	--	--	--	18																	
19	EXISTING LOAD	--	--	20	1	0				--		1	--	--	--	--	20																	
21	NORTH WIREMOLD QUAD RECEPT	--	--	20	1			0			--	--	--	--	--	--	22																	
23	EAST WALL WIREMOLD RECEPT	--	--	20	1			0			--	--	--	--	--	--	24																	
25		--	--	--	1	--				--		1	--	--	--	--	26																	
27	FRONT SIGN	--	--	20	2		0			--		1	--	--	--	--	28																	
29	--	--	--	--	--			0				--	1	--	--	--	30																	
31	WATER HEATER	--	--	20	2	0			0			2	20	--	--	MENS ROOM HEAT	32																	
33	--	--	--	--	--		0				0	--	--	--	--	--	34																	
35	CEILING UNIT	--	--	20	2							0	2	20	--	LADIES ROOM HEAT	36																	
37	--	--	--	--	--		0			0		--	--	--	--	--	38																	
39	DOOR OPENER	--	--	20	2		0			0		2	20	--	--	KITCHENETTE HEAT	40																	
41	--	--	--	--	--			0				0	--	--	--	--	42																	

NAME: P5										PANEL SCHEDULE MODIFIED																				
MOUNTING: RECESSED			VOLTS: 208Y/120		PHASE: 3					WIRE: 4																				
MAIN RATING: 200 A			MCB: MLO		MIN AIC RATING:					AMPS RMS SYM																				
OTHER:					LOCATION:																									
NOTES:																														
CKT	DESCRIPTION										LOAD	WIRE	BKR	P	A	B	C	A	B	C	P	BKR	WIRE	LOAD	DESCRIPTION	CKT				
1	CUH-1 RR 121										564	#12	20	1	564				720			1	20	#12	720	RECEPT Room 120, 121, 123, 122	2			
3	FOYER LIGHTS										--	--	20	1		0			1260			1	20	#12	1260	RECEPT Room 115, 112	4			
5	OUTSIDE LIGHTS										--	--	20	1			0						1	20	#12	720	RECEPT MEETING Room 112	6		
7	CUH-2 RR 123										564	#12	20	1	564				564			1	20	#12	364	CUH-3 RR 122	8			
9																						1	20	#12	360	RECEPT VESTIBULE 113	10			
11	NITE-EMER. LIGHTS (FRONT)										--	--	20	1			0						1	20	#12	200	DOOR OPERATOR VESTIBULE 113	12		
13	FLAGPOLE LIGHT										--	--	20	1	0				180			1	20	#12	180	RECEPT KITCHENETTE 116	14			
15	OUTSIDE POST LIGHTS										--	--	20	1			0			180			1	20	#12	180	RECEPT KITCHENETTE 116	16		
17	NORTH PARKING POLE LIGHTS										--	--	20	1			0						1	20	#12	500	WH-1 STOR. 118	18		
19	EF-3										528	#12	20	1	528				1176			1	20	#12	1176	EF-2	20			
21	FG-3										3978	#12	15	2		1989				168			1	20	#12	168	ERV-2	22		
23											--	--	--	--	--	1989							1	50	#6	4518	LGT Room 121, 120, 123, 122, 103	24		
25											--	--	--	1	--				812			1	20	#12	812	LGT Room 112, 115	26			
27	FRONT SIGN										--	--	20	2					2556			2	35	#10						