

# RENOVATION & ADDITION TO NORTH MACON PARK RECREATION CENTER

BIBB COUNTY RECREATION DEPARTMENT  
815 N MACON PARK DR  
MACON, GA 31210

05/16/2016 - 100% CONSTRUCTION DOCUMENTS



ABBREVIATIONS & TERMS

ABBR.	DEFINITION
A	
AB	ANCHOR BOLT
ACT	ACOUSTICAL CEILING TILE
AD	AREA DRAIN
ADDUM	ADDENDUM
ADD'L	ADDITIONAL
ADJ	ADJACENT
AFF	ABOVE FINISH FLOOR
AGGR	AGGREGATE
AJS	ARCHITECTURAL JOINT SYSTEM
ALT	ALTERNATE
ALUM	ALUMINUM
ANOD	ANODIZED
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ATOS	ABOVE TOP OF SLAB
B	
BD	BOARD
BF	BACKFACE
BG	BUMPER GUARD
BL	BED LOCATOR
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM
BOT	BOTTOM
BR	BUMPER RAIL
BRG	BEARING
BSM	BUILDING SYSTEMS MANUFACTURER
BSMT	BASEMENT
BTW	BTW
BU ROD	BACK-UP ROD
BUR	BUILT-UP ROOF
BW	BEARING WALL
C	
CDR	CARD READER
CEM	CEMENT
CER	CERAMIC
CG	CORNER GUARD
CIP	CAST IN PLACE
CJ	CONTROL JOINT
CL	CENTER LINE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CNTRTOP	COUNTERTOP
COL	COLUMN
COMM	COMMUNICATIONS
CONN	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
COORD	COORDINATE
CORRID	CORRIDOR
CR	CRASH RAIL
CSK	COUNTERSINK
CSS	CLINICAL SERVICE SINK
CT	CERAMIC TILE
CTD	CENTERED
CTR	CENTER
CW	CURTAIN WALL
D	
DET	DEPTH
DIA	DIA
DIAPH	DIAPHRAGM
DIM	DIMENSION
DJ	DEFLECTION JOINT
DL	DEAD LOAD
DN	DOWNSPOUT
DW	DRYWALL
DWG	DRAWING
DWMS	DRY WALL METAL STUD
E	
EA	EACH
EF	EACH FACE
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
ELEC	ELECTRIC
ELEV	ELEVATOR
EQ	EQUAL
EQUIP	EQUIPMENT
ESC	ESCALATOR
EW	EACH WAY
EW/C	ELECTRO- WATER COOLER
EXIST, EX-	EXISTING
EXG	EXISTING
EXP BLT	EXPANSION BOLT
EXT	EXTERIOR
F	
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FLOOR
FFE	FLOOR FLOOR ELEVATION
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
G	
GA	GAUGE
GALV	GALVANIZED
GB	GRADE BEAM
GEN	GENERAL
GFRC	GLASS-FIBER REINFORCED CONCRETE
GI	GALVANIZED IRON
GL	GLASS
GND	GROUND
GR	GRADE
GRG	GLASS-REINFORCED GYPSUM
GYP BD	GYPSUM BOARD
H	
HB	HOSE BIB
HGWD	HOLLOW CORE WOOD DOOR
HDW	HARDWARE
HDWD	HARDWOOD
HK	HOOK
HM	HOLLOW METAL
HOR	HORIZONTAL
HP	HIGH POINT
HS	HEADED STUD
HSKP	HOUSEKEEPING
HT	HEIGHT
HW	HAND WASH
I	
ID	INSIDE DIAMETER
INSUL	INSULATION
INT	INTERIOR
J	
JT	JOINT
K	
KIPS	KIPS (1000 LB)
KO	KNOCK-OUT
KP	KICKPLATE
KPD	KEYPAD
KSF	KIPS PER SQUARE FOOT
KT	KEYBOARD STICK
L	
LAV	LAVATORY
LG	LONG
LGMS	LIGHT GAUGE METAL STUD
LKB	LOCKABLE
LL	LIVE LEG
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LOC	LOCATION
LIT	LIGHT
LTP	LIGHT POLE
LWC	LIGHTWEIGHT CONCRETE
M	
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MEMB	MEMBRANE
MFG	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MOD	MODIFIED
MOD BIT	MODIFIED BITUMEN
MSL	MEAN SEA LEVEL
MT	METAL THRESHOLD
MTL	METAL
N	
N/A	NOT APPLICABLE
NA	NOT AVAILABLE
NIC	NOT IN CONTRACT
NOM	NOMINAL
NITS	NEAR SIDE
NWC	NOT ON SCALE
NC	NORMA WEIGHT CONCRETE
O	
O.C	OWNER FURNISHED, CONTRACTOR INSTALLED
O.O	OWNER OWNED, OWNER INSTALLED
OVERALL	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
ODD	OVERFLOW DRAIN
OH	OPPOSITE HAND
OPENG	OPENING
OPP	OPPOSITE
OSF	OUTSIDE FACE
P	
PC	PORTLAND CEMENT
PCF	POUNDS PER CUBIC FOOT
PD	PENCIL DRAWER
W	
WID	WIDTH
WIT	WITH
W/O	WITHOUT
WD	WOOD
WF	WIDE FLANGE
WL	WIND LOAD
WP	WATERPROOF(ING)
WP	WORK POINT
WR	WATER RESISTANT
WWF	WELDED WIRE FABRIC

ABBREVIATIONS & TERMS

ABBR.	DEFINITION
PENT	PENTHOUSE
PL	PROPERTY LINE
PLAM	PLASTER LAMINATE
PLUMB	PLUMBING
PLYWD	PLYWOOD
POL	POLISHED
PORT CEM	PORTLAND CEMENT
PP	PUSH PLATE
PAIR	PAIR
PREFAB	PREFABRICATED
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
PTD	PAINTED
QT	QUARRY TILE

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## DRAWING INDEX

G0-0 COVER SHEET & DRAWING INDEX  
LS-1 LIFE SAFETY PLAN & INFORMATION

**CIVIL**  
WM2A ARCHITECTS  
348 COTTON AVENUE SUITE 500  
MACON, GEORGIA 31201  
478-745-4945  
CONTACT: CHARLES GREEN

DRAWINGS

C1-0 SITE UTILITIES AND GRADING PLAN  
C6-1 INITIAL STORMWATER POLLUTION PREVENTION PLAN  
C6-3 FINAL STORMWATER POLLUTION PREVENTION PLAN  
C6-6 STORMWATER POLLUTION PREVENTION DETAILS

**STRUCTURAL**  
KORNIEGAY ENGINEERING  
362 PIERCE AVE, SUITE 202  
MACON, GA 31204  
478-745-6161  
CONTACT: ADAM CROSBY

DRAWINGS

S0-0 GENERAL NOTES AND DETAILS  
S0-1 GENERAL NOTES AND DETAILS  
S1-0 PLANS, SECTIONS & DETAILS  
S2-0 CANOPY PLANS, SECTIONS & DETAILS

**ARCHITECTURAL**  
WM2A ARCHITECTS  
348 COTTON AVENUE SUITE 500  
MACON, GEORGIA 31201  
478-745-4945  
CONTACT: TREY WOOD

A1-1 ARCHITECTURAL SITE PLAN  
A1-2 DEMOLITION FLOOR PLAN  
A1-3 FLOOR PLAN - EXISTING  
A1-4 ENLARGED FLOOR PLAN, SCHEDULES & ACCESSORIES  
A1-5 CANOPY PLANS & SECTIONS  
A1-6 ROOF PLAN & ROOF DETAILS  
A2-1 EXTERIOR ELEVATIONS  
A2-2 DOOR SCHEDULE & DETAILS  
A2-3 WINDOW SCHEDULE & DETAILS  
A3-1 BUILDING SECTIONS  
A3-2 WALL SECTIONS  
A3-3 WALL SECTIONS  
A3-4 WALL SECTIONS  
A4-1 WALL DETAILS  
A5-1 INTERIOR ELEVATIONS  
A5-2 INTERIOR ELEVATIONS  
A5-3 INTERIOR ELEVATIONS  
A5-4 CASEWORK DETAILS  
A6-1 REFLECTED CEILING PLAN  
A7-1 FINISH PLAN & SCHEDULE

**MECHANICAL**  
AH&P ENGINEERING  
250 CHARTER LANE  
MACON, GA 31210  
478-405-8301  
CONTACT: ROB McGREGGOR

DRAWINGS

MD101 MECHANICAL DEMOLITION FLOOR PLAN  
M101 MECHANICAL NEW WORK FLOOR PLAN  
M501 MECHANICAL DETAILS  
M601 MECHANICAL LEGEND, GENERAL NOTES & SCHEDULES

**PLUMBING**  
AH&P ENGINEERING  
250 CHARTER LANE  
MACON, GA 31210  
478-405-8301  
CONTACT: RODNEY HOPKINS

DRAWINGS

P101 PLUMBING DEMOLITION AND NEW WORK PLANS, DETAILS, SCHEDULE AND LEGEND

**ELECTRICAL**  
AH&P ENGINEERING  
250 CHARTER LANE  
MACON, GA 31210  
478-405-8301  
CONTACT: ED MILLER

DRAWINGS

ED101 ELECTRICAL LIGHTING DEMOLITION FLOOR PLAN  
ED201 ELECTRICAL POWER DEMOLITION FLOOR PLAN  
ED301 ELECTRICAL LOW VOLTAGE DEMOLITION FLOOR PLAN  
E101 ELECTRICAL NEW WORK LIGHTING FLOOR PLAN  
E201 ELECTRICAL NEW WORK POWER FLOOR PLAN  
E301 ELECTRICAL NEW WORK LOW VOLTAGE FLOOR PLAN  
E701 ELECTRICAL DETAILS  
E801 ELECTRICAL LEGEND AND SCHEDULES

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BIBB COUNTY RECREATION DEPARTMENT  
815 N MACON PARK DR  
MACON, GA 31210

REVISIONS  
# DATE DESCRIPTION  
  
Date: 05/16/2016  
Drawn By: BE/JSP  
Checked By: CG  
Project Number: 2016-08  
Sheet Name:  
**COVER SHEET & DRAWING INDEX**  
Sheet Number:  
**G0-0**  
CONSTRUCTION DOCUMENTS  
5/27/2016 9:04:47 AM





**ARCHITECTS**  
**W M 2 A . C O M**  
348 COTTON AVENUE  
SUITE 500, PO BOX 110  
MACON, GEORGIA 31201



# RENOVATION & ADDITION TO NORTH MACON PARK RECREATION CENTER

# BIBB COUNTY RECREATION DEPARTMENT

315 N MACON PARK DR  
MACON, GA 31210

## REVISIONS

DATE	DESCRIPTION
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e: 05/16/2011

wn By: Author

checked By: Checker

ject Number: 2016-0

heet Name:

**UTILITIES AND GRADING  
PLAN**

Sheet Number:

This detailed site plan illustrates the layout for a new addition to an existing recreation center. The plan shows the following key features and dimensions:

- Existing Buildings:** The "EXISTING 15,465 GSF RECREATION CENTER" is shown as a large gray rectangular building.
- New Construction:** A central "NEW 1,142 GSF ADDITION" is highlighted in dark gray. It includes a "NEW HEAT PUMP & 6" CONCRETE MONOLITHIC SLAB" and "NEW CONCRETE SIDEWALK".
- Access and Entrances:** An "EXG CONCRETE SIDEWALK" leads to a "NEW ENTRANCE CANOPY" and a "NEW CONCRETE BENCH W/ SKATEBOARD STOPS @ 36" OC MAX".
- Utilities and Equipment:** A "CONCRETE HVAC UNIT" is located on the left side of the addition. An "EXG. TRANSFORMER ENCLOSURE & PAD" is positioned on the right.
- Site Details:** The plan includes "EXISTING PLAYGROUND TO REMAIN" and "EXISTING PICNIC SHELTER TO REMAIN". A "CONCRETE SIDEWALK" runs along the bottom of the site. Landscaping areas are indicated with hatching and labeled "EXISTING AIR HANDLING & ELECTRICAL EQUIPMENT TO REMAIN".
- Topography and Labels:** Elevation points like 384, 392, 396, 397, 398, 399, 400, and 401 are marked. A "400'" dimension line spans across the top. A "400'" distance is also noted between two points on the right side. A "LP" label is placed near the bottom center, and "FH" is at the bottom right.

The plan is a technical drawing with a scale bar indicating 1" = 10' 0".



**ARCHITECTS**  
**WM2A.COM**  
348 COTTON AVENUE  
SUITE 500, PO BOX 110  
MACON, GEORGIA 31201



## RENOVATION & ADDITION TO NORTH MACON PARK RECREATION CENTER

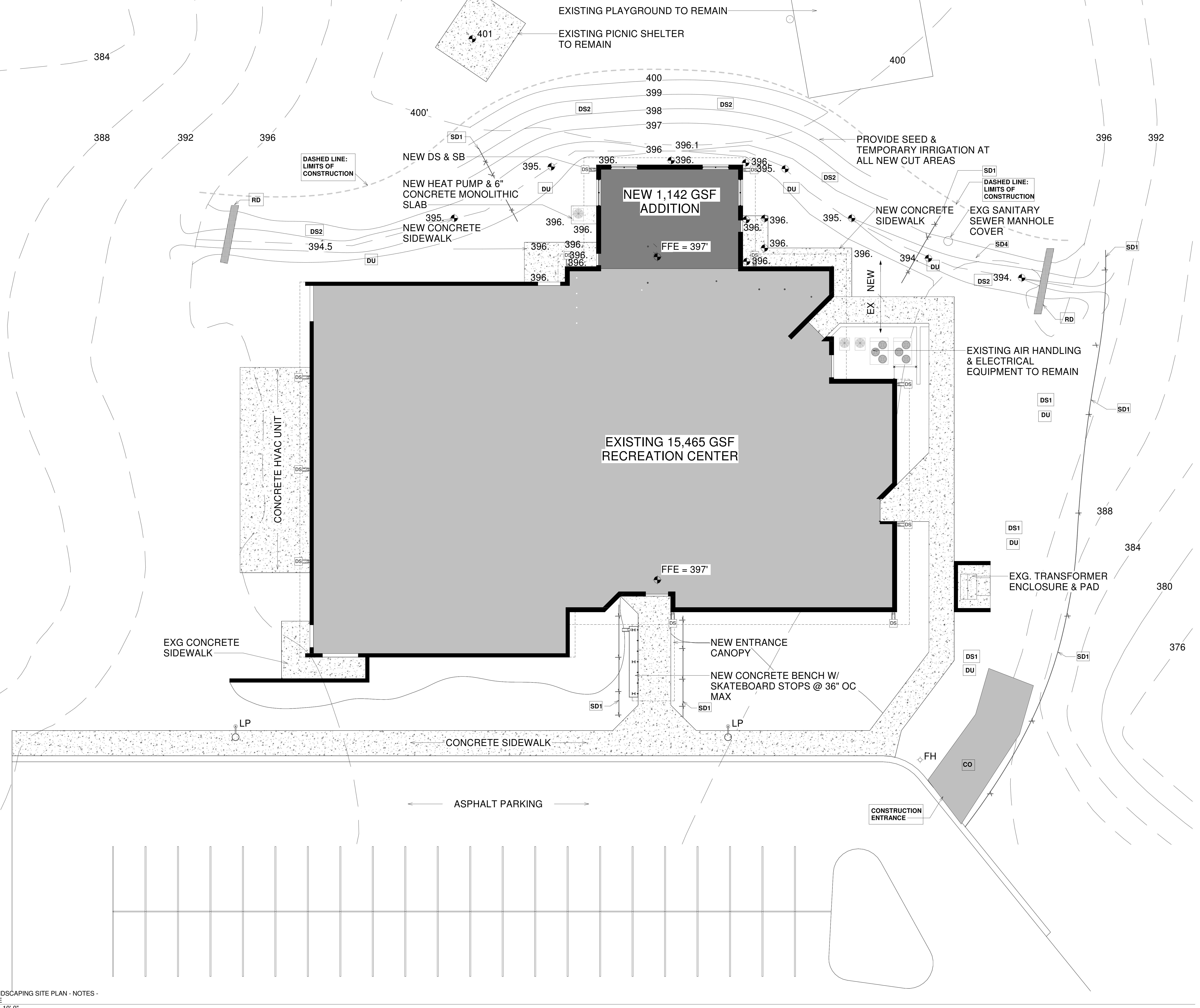
BIBB COUNTY RECREATION DEPARTMENT

815 N MACON PARK DR  
MACON, GA 31210

REVISIONS  
# DATE DESCRIPTION

Date: 05/16/2016  
Drawn By: Author  
Checked By: Checker  
Project Number: 2016-08  
Sheet Name: INITIAL STORMWATER POLLUTION PREVENTION PLAN  
Sheet Number:

C-6.1







## RENOVATION & ADDITION TO NORTH MACON PARK RECREATION CENTER

BIBB COUNTY RECREATION DEPARTMENT

815 N MACON PARK DR  
 MACON, GA 31210

REVISIONS  
 # DATE DESCRIPTION

Date: 05/16/2016  
 Drawn By: Author  
 Checked By: Checker  
 Project Number: 2016-08  
 Sheet Name: STORMWATER POLLUTION PREVENTION DETAILS  
 Sheet Number:

## LEGEND

<b>Co</b>	Construction Exit
<b>Ds1</b>	Disturbed Area Stabilization (With Mulching Only)
<b>Ds2</b>	Disturbed Area Stabilization (With Temporary Seeding)
<b>Ds3</b>	Disturbed Area Stabilization (With Permanent Vegetation)
<b>Ds4</b>	Disturbed Area Stabilization (With Sodding)
<b>Du</b>	Dust Control on Disturbed Area
<b>Rd</b>	Rock Filter Dam
<b>Re</b>	Retaining Wall
<b>Rt</b>	Retrofit
<b>Sd1</b>	Sediment Barrier
<b>Sd2</b>	Inlet Sediment Trap
<b>Sd3</b>	Temporary Sediment Basin
<b>Sd4</b>	Temporary Sediment Trap
<b>Tp</b>	Topsoiling

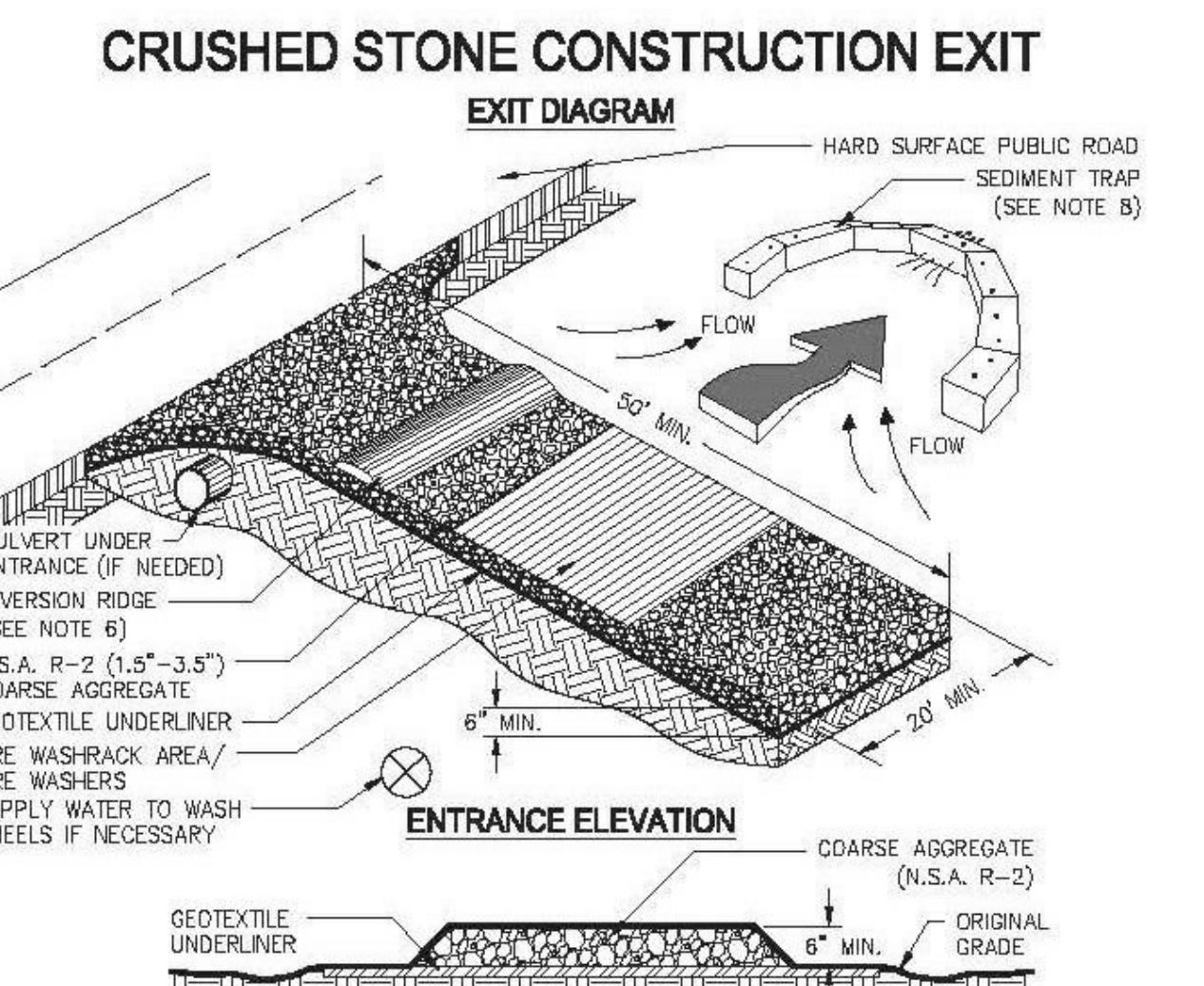


Figure 1. Crushed Stone Construction Exit Installation Requirements



Figure 2. Geotextile Underliner

## Sd4

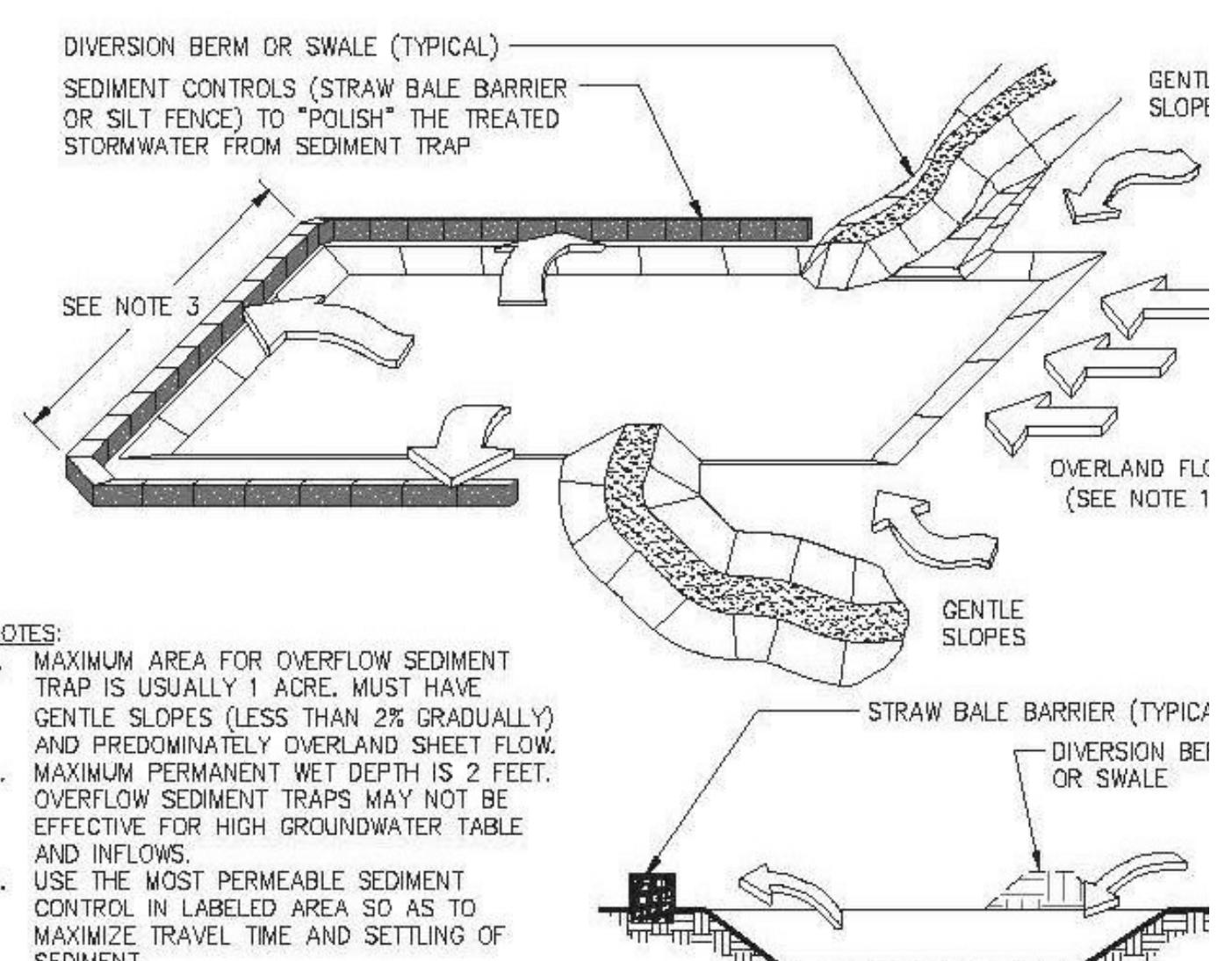


Figure 1. Overflow Outlet

Species	Rates per Acre	Rates per 1,000 sq ft	Planting Dates by Region			Remarks
			M-L	P	C	
Bahia, Pensacola Alone or with temporary cover With other perennials	60 lbs. 30 lbs.	1.4 lbs. 0.7 lb.	---	4/1-5/31	3/1-5/31	Low growing; sod producing; will spread into Bermuda lawns.
Bahia, Wilmington Alone or with temporary cover With other perennials	60 lbs. 30 lbs.	1.4 lbs. 0.7 lb.	3/15-5/31	3/1-5/31	—	Same as above
Bermuda, Common (Hulled seed) Alone With other perennials	10 lbs. 6 lbs.	0.2 lb. 0.1 lb.	---	4/1-5/31	3/15-5/31	Quick cover; low growing; sod forming; needs full sun.
Bermuda, Common (Unhulled seed) With temporary cover With other perennials	10 lbs. 6 lbs.	0.2 lb. 0.1 lb.	---	10/1-2/28	11/1-1/31	Plant with Winter annuals. Plant with Tall Fescue

**Sd3**

## DUST CONTROL ON DISTURBED AREAS

### DEFINITION

Controlling surface and air movement of dust on construction sites, roads, and demolition sites.



### PURPOSE

- Prevent surface and air movement of dust from exposed soil surfaces.
- Reduce the presence of airborne substances that may be harmful or injurious to human health, welfare, or safety, or to animals or plant life.

### MATERIALS

#### Temporary Methods

- Mulches** - See Ds1 - Disturbed Area Stabilization (with Mulching only).

## Sd1

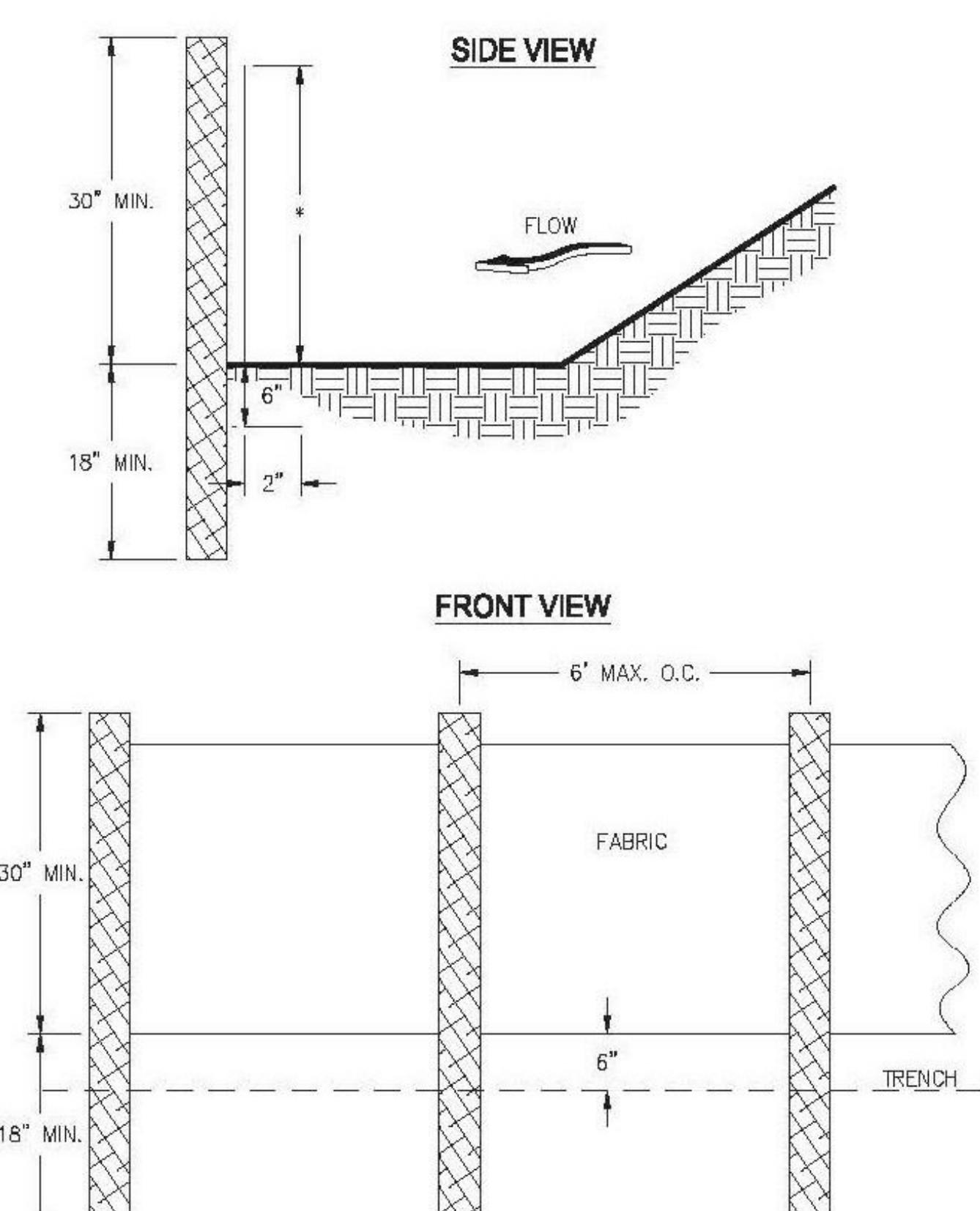


Figure 2. Type "A" & "B" Silt Fence

CROSS-SECTION

## Tp

## ROCK FILTER DAM

### DEFINITION

A temporary stone filter dam installed across drainageways or in conjunction with a temporary sediment trap.



## Sd3

## TEMPORARY SEDIMENT BASIN

### DEFINITION

A basin created by the construction of a barrier or dam across a concentrated flow area, or by excavating a basin, or by a combination of both.



## Ds1

## DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)

### DEFINITION

A temporary cover of plant residues or other suitable materials, produced on site if possible, applied to the soil surface.



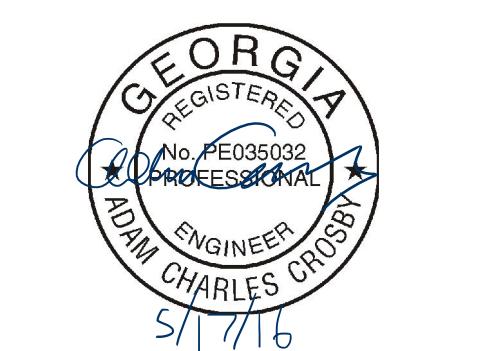
## Ds3

## DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)

### DEFINITION

The planting of perennial vegetation such as trees, shrubs, vines, grasses, or legumes on exposed areas for final permanent stabilization.





Kornegay Engineering Inc.  
Structural Consultant  
363 Pierce Avenue, Suite 202  
Macon, GA 31204  
(478)745-6161 ph / (478)745-4744 fax  
keimacson.com  
Project No: 16-093

## RENOVATION & ADDITION TO NORTH MACON PARK RECREATION CENTER

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### I. General

- Project specifications for requirements in addition to general notes. Coordinate these drawings with existing conditions, and coordinate all dimensions and wall locations with the **Architectural drawings**. The general contractor shall immediately notify the **Architect** and the Structural Engineer of any discrepancies within the construction documents.
- The structural drawings should not be used to size or locate doors, windows, toilet partitions, or non-load bearing walls.
- See **architectural** for all **expansion joint covers**.
- Design and construction shall be in accordance with the **2012 International Building Code**.
- Design loads:

  - Live Load Information**
    - A. Roof live load (Reduced for tributary area) = **20 PSF**
  - Roof Dead Loading Information**
    - A. **PSF** Dead load (not including light gauge trusses)
    - B. **8.00** Colateral load (lights, HVAC, ceiling, etc.)
    - C. See Framing Plan for other concentrated loads
  - Snow Load Information**
    - A. Ground snow load ( $P_0$ ) = **5 PSF**
    - B. Flat-roof snow load ( $P_0$ ) = **5.5 PSF**
    - C. Snow exposure factor ( $C_o$ ) = **1.0**
    - D. Snow load importance factor(s) = **1.1**
    - E. Thermal factor ( $C_t$ ) = **1.0**
  - Wind Load Information**
    - A. Ult. wind speed = **120 MPH**
    - B. Wind load category = **II**
    - C. Wind impedance factor ( $\chi_w$ ) = **1.0**
    - D. Occupancy Category = **III**
    - E. Wind Exposure = **C**
    - F. Internal Pressure Coefficient = **+0.18**
    - G. Components and Cladding = **Varies**
  - Seismic Design Information**
    - A. Seismic importance factor ( $I_o$ ) = **1.25**
    - B. Seismic design category = **D**
    - C. 0.2 Second Spectral Response Acceleration ( $S_2$ ) = **0.164**
    - D. 1 Second Spectral Response Acceleration ( $S_1$ ) = **0.082**
    - E. 0.2 Design Spectral Response Acceleration ( $S_{D2}$ ) = **0.175**
    - F. Design Seismic Response Acceleration ( $S_{D1}$ ) = **0.131**
    - G. Site class: D (no geotechnical report)
    - H. Response modification coefficient ( $R$ ) = **3.5**
    - I. System overstrength factor = **2**
    - J. Deflection amplification factor ( $\phi_d$ ) = **2.25**
    - K. Component importance factor ( $C_i$ ) = **0.602**
    - L. Design base shear ( $V_d$ ) = **Varies**
    - M. Basic Seismic Force Resisting System - **Building frame systems - Intermediate reinforced masonry shear walls**
    - N. Analysis procedure - Equivalent lateral force procedure

6. All the safety regulations, methods of construction and erection of structural material shall be the responsibility of the general contractor. It shall be the general contractor's responsibility to provide adequate shoring, bracing, and framework, etc. as required.

7. Dimensions are not to be derived by scaling these drawings. If there is any question about details or dimensions, contact the **Architect** and Structural Engineer for clarification.

8. Where a detail is shown for one condition, it shall also apply for all like or similar conditions, unless noted otherwise.

9. **Isometric views** are for illustrative purposes only. No information about the structure or its components shall be taken or assumed from them.

### II. Structural Masonry

- All masonry work to be done in accordance with the code-referenced edition of ACI-530 "Building Code Requirements for Masonry Structures", and ACI-530.1 "Specification for Masonry Structures."

2. Mortar shall be Portland cement-lime and conform to ASTM C270.

3. Clay masonry units shall have **type N mortar**. Net area compressive strength of units shall be **6200 psi**. Net area compressive strength of installed masonry ( $f_m$ ) shall be **2000 psi**. Refer to **architectural** documents for ASTM designations.

4. Concrete masonry units above and below grade shall have **type S mortar**. Net area compressive strength of units shall be **1900 psi**. Net area compressive strength of installed masonry ( $f_m$ ) shall be **1500 psi**. Concrete masonry units shall conform to ASTM C90.

5. Back fill for reinforced masonry shall be fine grain in conformance with ASTM C476 **minimum compressive strength method**. Grout shall be **2000 PSI** at 28 days. Grout slump shall be **8 to 11 inches**.

6. Reinforcing: ASTM A615 - Grade 60. See table below for minimum lap splice length and embedment of reinforcing bars.

Masonry Reinforcing Lap Splices and Embed Length		
Bar Size	Lap Splice Length (IN)	Embedment (IN)
#4	24	18
#5	30	24
#6	36	28
#7	42	32
#8	48	36
#9	54	42

7. Masonry preparation, construction and protection in hot or cold weather (greater than 90 degrees Fahrenheit or less than 40 degrees Fahrenheit) shall be in conformance with **ACI 530.1 Section 1.8**.

8. Embedded conduits, pipes and sleeves shall be compatible with masonry and shall not be located in grouted cells. Pipes containing water subject to freezing, materials in excess of 150 degree Fahrenheit or pipes under pressure in excess of 55 PSI shall not be embedded in masonry. General contractor shall coordinate the location of all embedded items with the Structural Engineer prior to construction.

9. All masonry walls shall be **reinforced horizontal Joint Reinforcement** @ **16" O.C.** vertically as follows. The space between these walls of CMU Size **width** that the masonry joint will accommodate:

Running Bond	Stack Bond
4"	(1) W1.7 @ 16" O.C.
6" or 8"	(2) W1.7 @ 16" O.C.
12"	(2) W1.7 @ 16" O.C.

10. Vertical rebar shall be centered in block walls U.N.O.

11. Masonry cells on which steel or masonry lintels bear must be reinforced with same reinforcing as wall and must be filled with grout. If no wall reinforcing is shown a #4 bar shall be assumed.

12. Provide horizontal bond beams in all masonry walls at **10'-0"** on center max vertically and within **16"** of the top of the wall. Reinforcing in bond beams shall be **1#4 x continuous for 6" CMU, 1#5 x continuous for 8" CMU, and 1#6 x continuous for 12" CMU**.

13. The minimum level of Quality Assurance based on **ACI 530 shall be Level B**. Refer to Table 1.15.3 in ACI 530.

14. Where concrete block is above and below equipment platform, fit block tight to underside of beam prior to constructing block above.

### III. Reinforcing Steel

- Reinforcing steel shall be new billet steel, deformed bars conforming to ASTM A615, grade 60, and shall be free from any form release agents.
- Welded wire fabric shall be sheets of new billet steel cold drawn, conforming to ASTM Specification A185, grade 60.
- Bar supports, design, detailing, fabrication and placing of reinforcing steel shall be in accordance with ACI 318 and "The Manual of Standard Practice for Detailing Reinforced Concrete Structures", ACI 315.
- Splices for continuous bars shall be class B, unless noted otherwise. Welded wire fabric shall be lapped 12" minimum.
- Provide bent horizontal bars at corners and intersections of all walls and footings. Bent bars are to match the size and spacing of horizontal bars in wall or footing. Use class B splice each side.
- Provide diagonal bars at corners of openings in slabs and concrete walls. See Details "Rectangular Opening Wall Slab" and "Circle Opening Wall Slab". Provide 2" clear cover between the opening and the corner reinforcing bars.
- Wall footing reinforcement shall be continuous through column footing.
- Extend all footing reinforcement to far side of footing. See note below for concrete coverage.
- Provide dowels in wall footing to match wall verticals unless noted otherwise on drawings. Provide class B splice. Use standard ACI 90 degree hook with 3" clear to bottom of footing unless noted otherwise. See detail "Corner bar & splice length detail (in concrete)"

Class B Splice or Corner Bar per ACI 318

3000 psi Concrete		4000 psi Concrete		5000 psi Concrete	
	Min. Splice (inches)	Min. Splice (bar diam.)	Min. Splice (inches)	Min. Splice (bar diam.)	
4	29		25	24	
5	36	57	31	28	
6	43		37	34	
7	63		54	49	
8	72		62	56	
9	81	72	70	63	
10	89		78	69	
11	98		85	76	

### VI. Structural Steel

- Design, detailing, fabrication and erection of structural steel shall be in accordance with the code-referenced ABC manual of steel construction, specification for steel buildings, and code of standard practice.
- Steel fabricator shall be currently certified by the AISC Quality Certification Program for Structural Steel Fabrications and designated as "AISC Certified Fabricator, Conventional Category". Contractor shall submit in writing to the structural engineer, at the time of bid, Proof of certification for the steel fabricator(s) supplying structural steel.
- Materials shall meet the following minimum requirements:
  - W-Shapes = ASTM 992
  - Hollow Structural Shapes = ASTM A500, Grade B
  - Plates, Bars, Angles, C-Shapes, MC-Shapes = ASTM A36
  - Pipes = ASTM A53, Grade B
  - Welding Electrodes = E70XX

All anchor bolts shall be size and strength specified on these drawings.

- All beam end connections shall be AISC double angle bolted-welded connections with 3/4" Dia. A325N bolts U.N.O. The weld shall be 1/4" weld full length of angle plus 1" top and bottom. Design shear shall be greater of:

The shear reaction shown on drawings (if any):

- 50% of the value from the "Maximum total uniform load in Kips" tables of the AISC 13th Edition (Black book) Or,

c. The minimum number of bolts in single shear as follows:

Beam Shape*	# of 3/4" dia. A325 bolts	Length of LL
W8, W10	4	5 1/2"
W12, W14	6	8 1/2"
W16, W18	8	11 1/2"
W21	10	14 1/2"
W24	12	17 1/2"
W27	14	20 1/2"
W30	16	23 1/2"

Where connections are skewed or the double angle connections above will not fit, the following connections shall be used:

Beam Shape*	# of 3/4" dia. A325 bolts	1/2" Shear Tab Length**
W8, W10	2	5 1/2"
W12, W14	3	8 1/2"
W16, W18	4	11 1/2"
W21	5	14 1/2"
W24	6	17 1/2"
W27	7	20 1/2"
W30	8	23 1/2"

\* When the shear tab connection above does not fit in the beam web, use the adjacent smaller connection and cloud on shop drawings.

\*\* Weld plate to supporting member with 5/16" weld all around. Shear tab to be 1/2" thick x 4" wide.

5. Welds shall be made only by operators certified by the standard qualification procedure of the American Welding Society for the type of weld required. Welder certification shall be submitted for review.

6. Weld lengths not noted shall be full length. Terminate welds in accordance with AISC Manual of Steel Construction and American Welding Society Structural Welding Code - Steel (D1).

7. Holes larger than 1" dia. shall be coordinated with the structural engineer. Holes shall be punched or drilled, except as otherwise permitted by the structural engineer.

8. Protect columns, base plates, anchor bolts, and any steel below grade with an approved inorganic or epoxy anti-corrosion coating, field applied per manufacturer's instructions.

9. All exposed steel including lintels, and as noted on drawings, shall be galvanized in conformance with ASTM A123. Fasteners and small parts requiring galvanizing shall be in conformance with ASTM A153.

10. The contractors shall determine, furnish and install all temporary supports sufficient to secure the structural steel framing against loads present during erection. Temporary supports shall remain in place until all connections to the lateral load resisting system, including horizontal diaphragms, are complete.

11. The general contractor shall verify that the correct beam and girder camber is present after erection and before floor slab is poured.

12. Splice continuous steel angles and plates with Partial-Joint-Penetration Square Groove Welds (Joint Designation B-P1a) U.N.O.

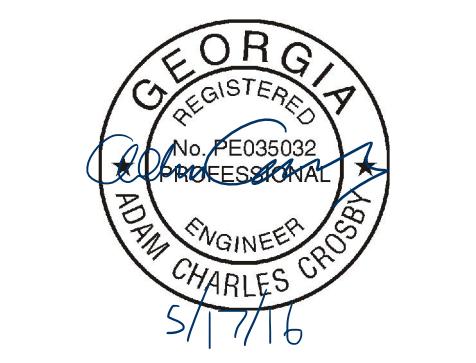
13. Structural steel fabricator and detailer shall see the **Architectural** drawings for any additional steel not shown or called out in these drawings. If size is not shown in architectural drawings a request or information shall be sent to the **structural engineer** through the proper channels.

14. General contractor shall coordinate **connections of joist and joist girders to structural steel**.

15. Light gauge straps on both sides of the wall are required to provide shear resistance for shear wall framing. The Steel Network, Inc. Stiffclip® SV-5 is an acceptable product to meet this criteria.

### V. Submittals

- The contract documents are the structural engineer's instruments of service to convey design intent. They are not to be considered fabrication or layout drawings.
- The follow are required submittals:
  - Concrete mix design(s)
  - Reinforcing bar drawings
  - Masonry material certificates, accessories, and grout mix design
  - Structural steel
  - Light gauge metal



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XL Concrete:					
1. All concrete work to be done in accordance with the code referenced edition of ACI-318: "Building Code Requirements for Reinforced Concrete"					
2. Concrete mix design requirements and compressive strength at 28 days.					
Description	28 Day strength (PSI)	Weight per cubic foot (pcf)	Stump at point of placement	Aggregate	Fibermesh or WWM
Footing and Foundation Walls	3000	145	4" +/- 1"	ASTM C33	none
Floor slab @ gym wood floor	3000	145	4" +/- 1"	ASTM C33	Fibermesh @ 1.5lb per cubic yard of conc.

Fly ash shall not be used. Water reducing admixtures may be used to achieve slump requirements.

3. All concrete joints shall be 3/8" wide unless noted on architectural drawings.

4. Location of all construction joints, excluding slabs on grade, shall be coordinated with structural engineer.

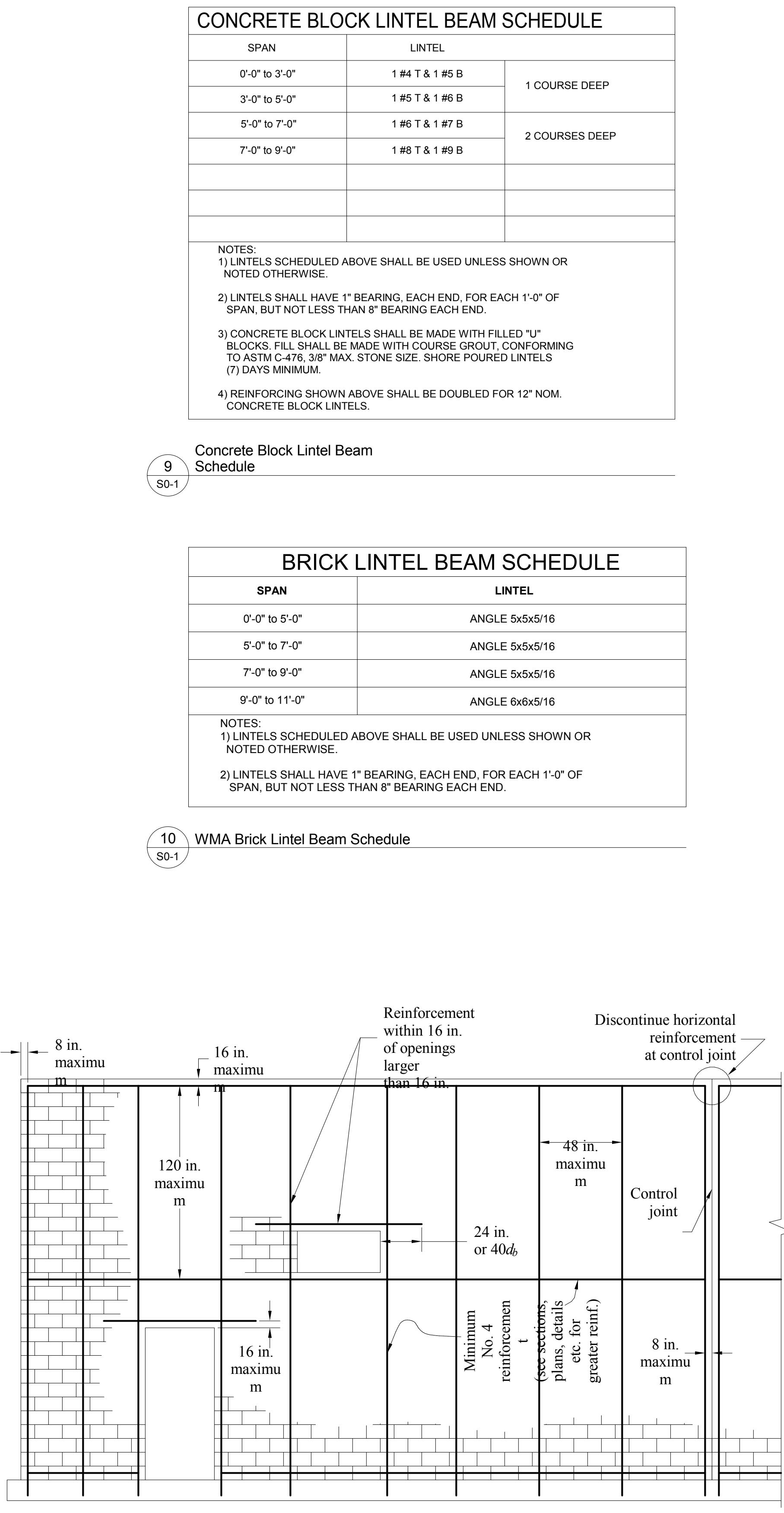
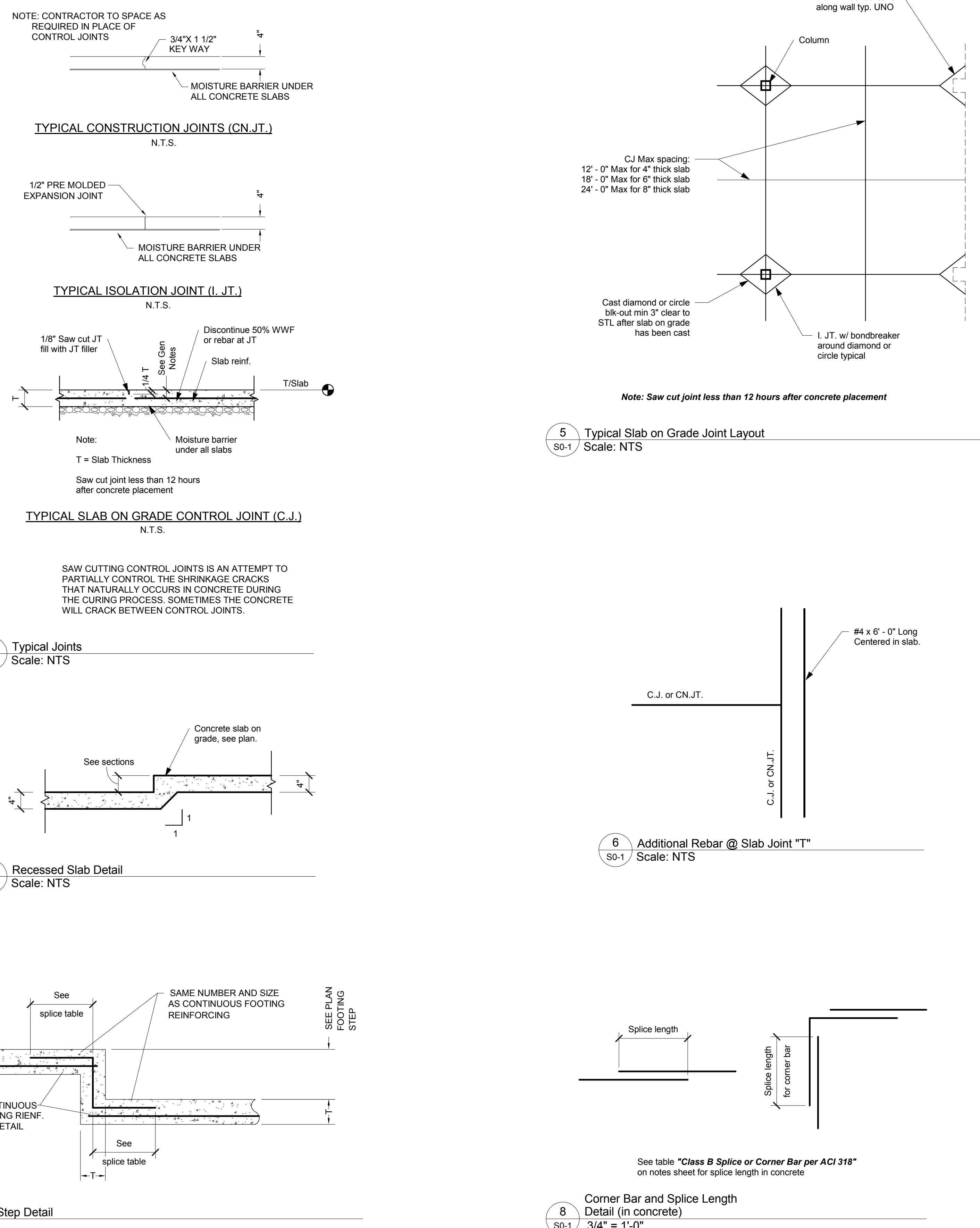
5. Shop drawings shall be submitted to the structural engineer showing proposed locations of any material such as but not limited to conduits, embedments, or fixtures to be placed inside any structural concrete member such as beams, walls, slabs, columns or footings. This is not required for slabs on grade of 4" or less in thickness.

6. Concrete slab flatness and levelness tolerances shall be in conformance with ACI 117, and shall be specified by the owner. Unless specified otherwise in the specification, testing of concrete shall be in conformance with the requirements of ACI 318 Section 5.6 "Evaluation and Acceptance of Concrete".

7. Construction joints (CN.JT.) are to be located on the threshold side of a wall.

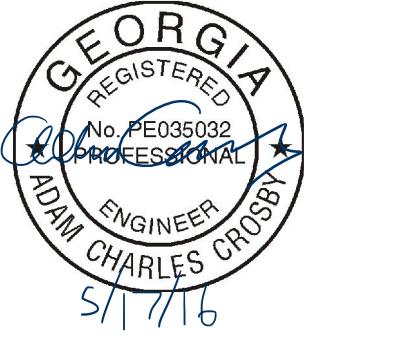
See detail "Typical Slab on Grade Joint Layout".

Procedure	Reference Section
Preparation	ACI 304 - "Guide for measuring, mixing, transporting and placing concrete"
Conveying	ACI 318 Section 5.9 - "Conveying"
Depositing	ACI 318 Section 5.10 - "Depositing"
Consolidation	ACI 309 - "Guide for consolidation of concrete"
Curing	ACI 308 - "Standard practice for curing concrete"
Hot weather concreting	ACI 305 - "Hot weather concreting"
Cold weather concreting	ACI 308 "Cold weather concreting"



### Intermediate Reinforced Masonry Shear Wall

Date:	05/16/2016
Drawn By:	M. Stefano
Checked By:	A. Crosby
Project Number:	2016-08
Sheet Name:	General Notes & Details
Sheet Number:	S0-1



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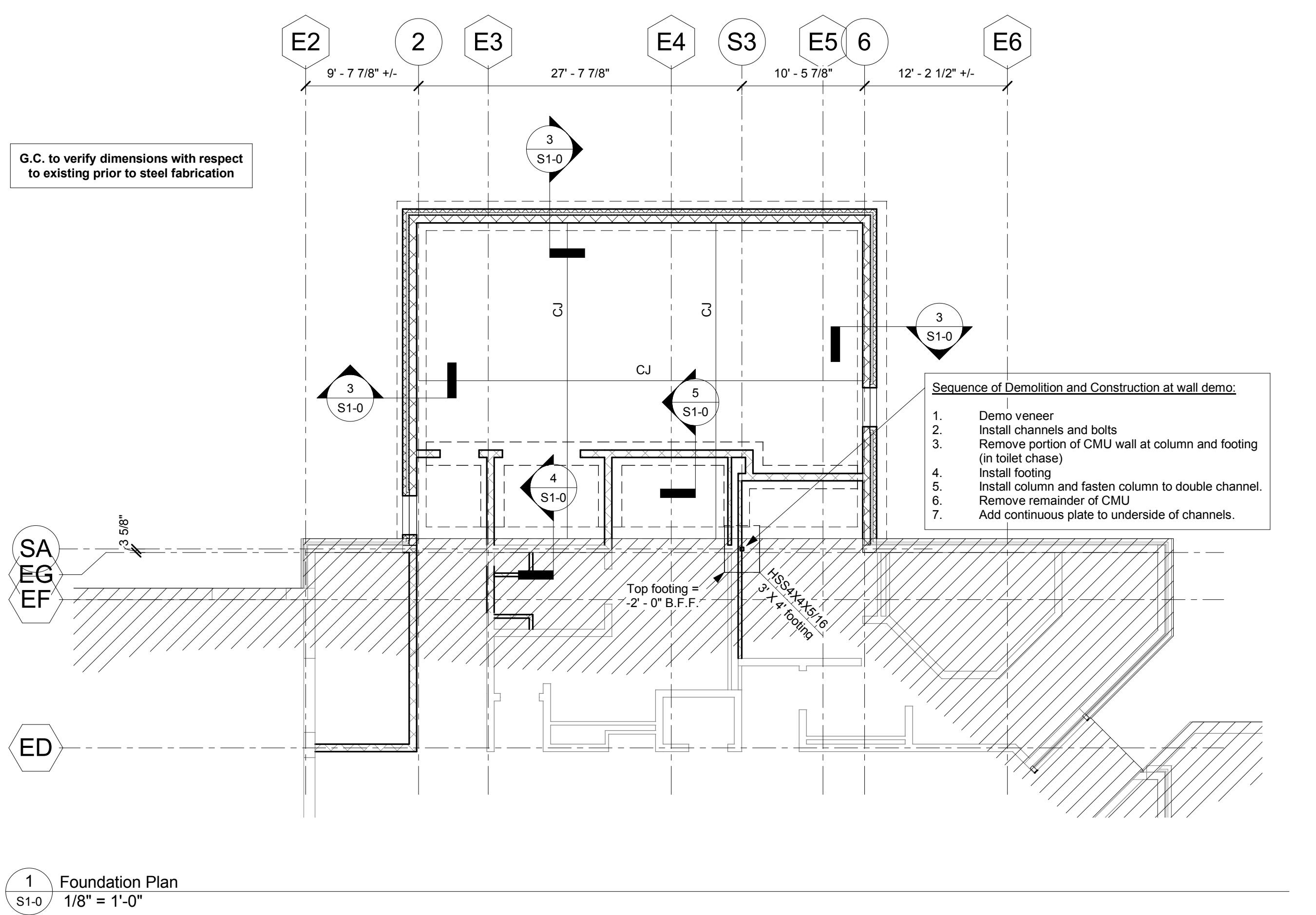
815 N MACON PARK DR  
MACON, GA 31210

REVISIONS  
# DATE DESCRIPTION

Date: 05/16/2016  
Drawn By: M. Stefano  
Checked By: A. Crosby  
Project Number: 2016-08  
Sheet Name: Plans, Sections & Details

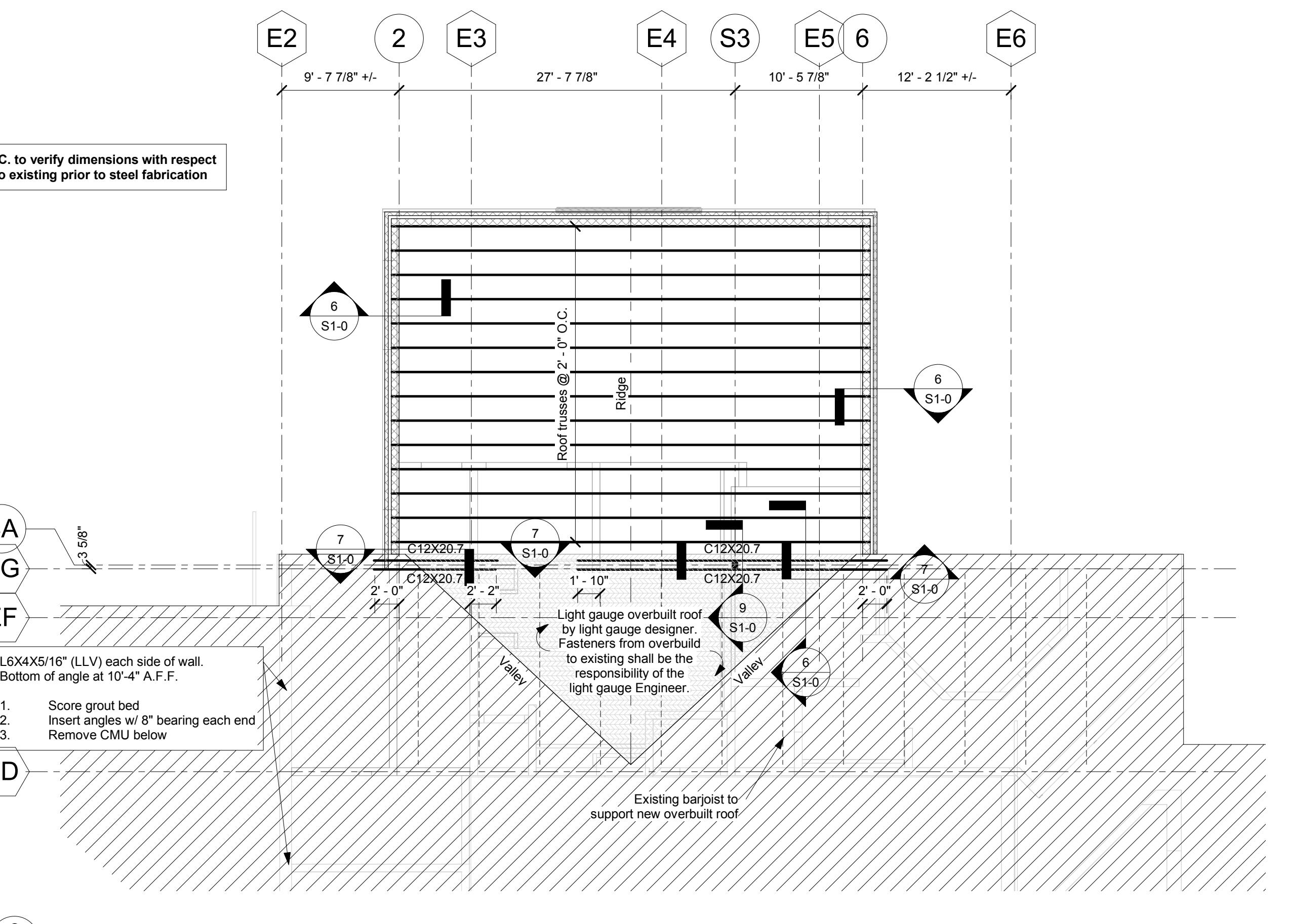
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S1-0



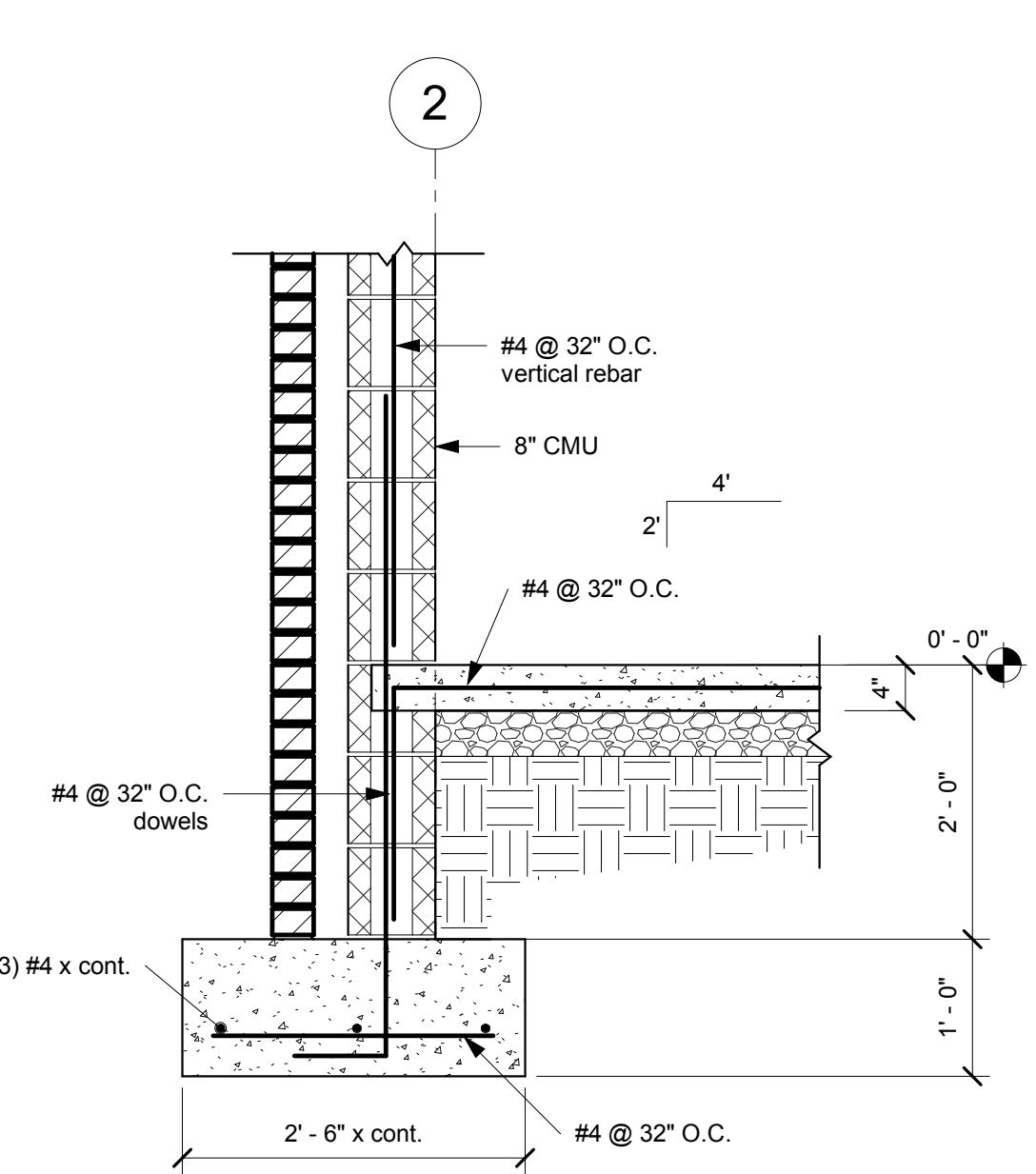
1 Foundation Plan

S1-0 1/8" = 1'-0"

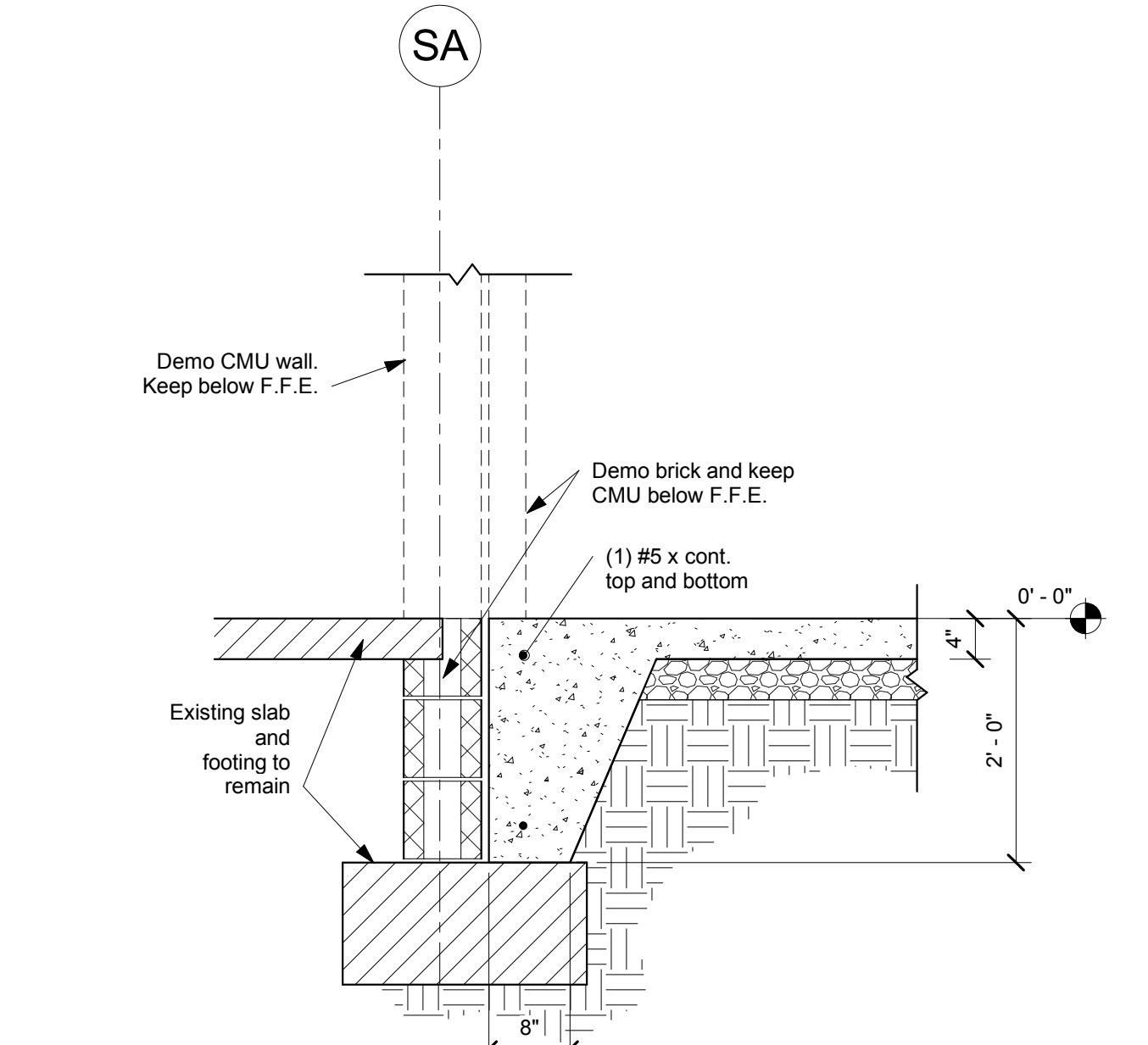


2 Framing Plan

S1-0 1/8" = 1'-0"



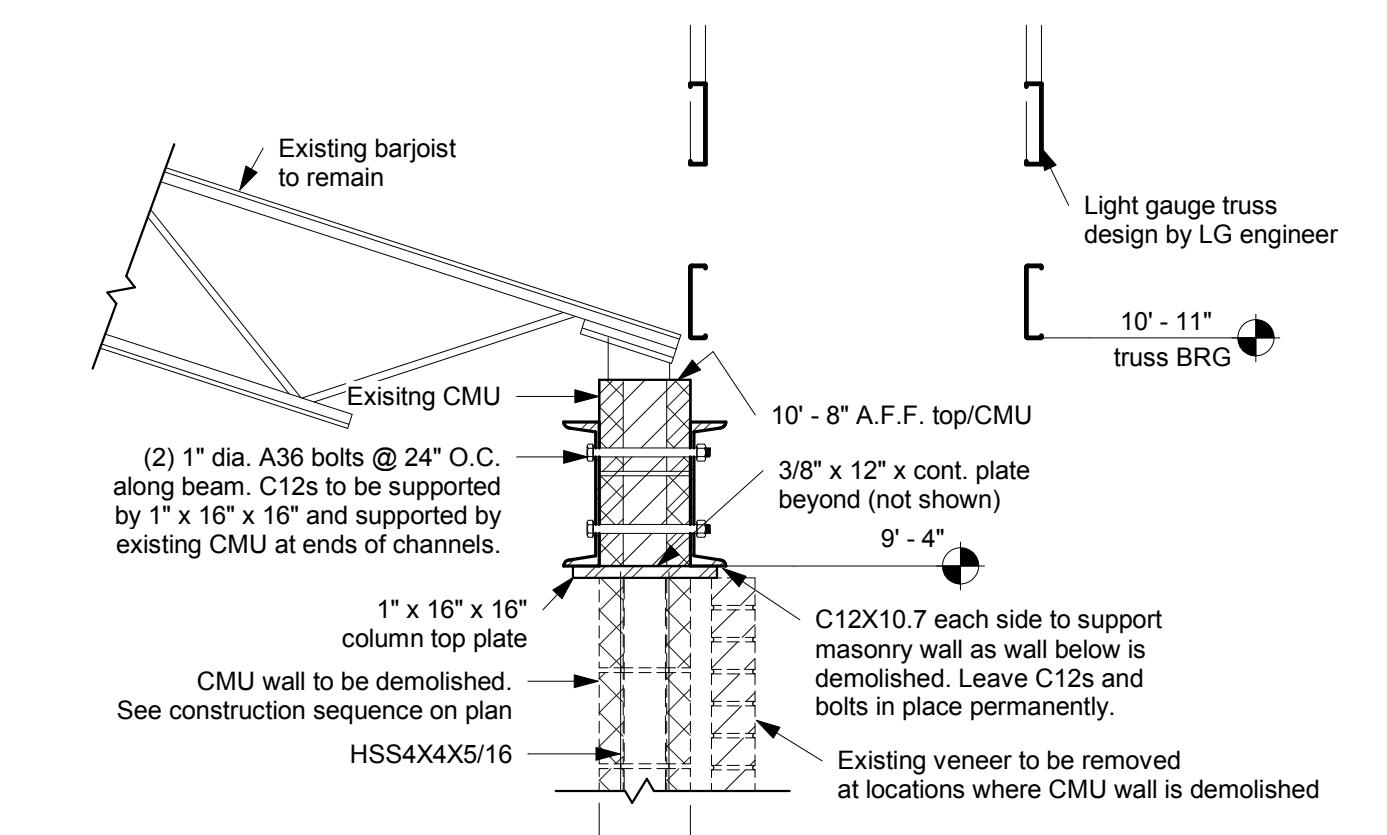
3 Section 1  
S1-0 3/4" = 1'-0"



4 Section 2  
S1-0 3/4" = 1'-0"

5 Section 8  
S1-0 3/4" = 1'-0"

6 Section 4  
S1-0 3/4" = 1'-0"



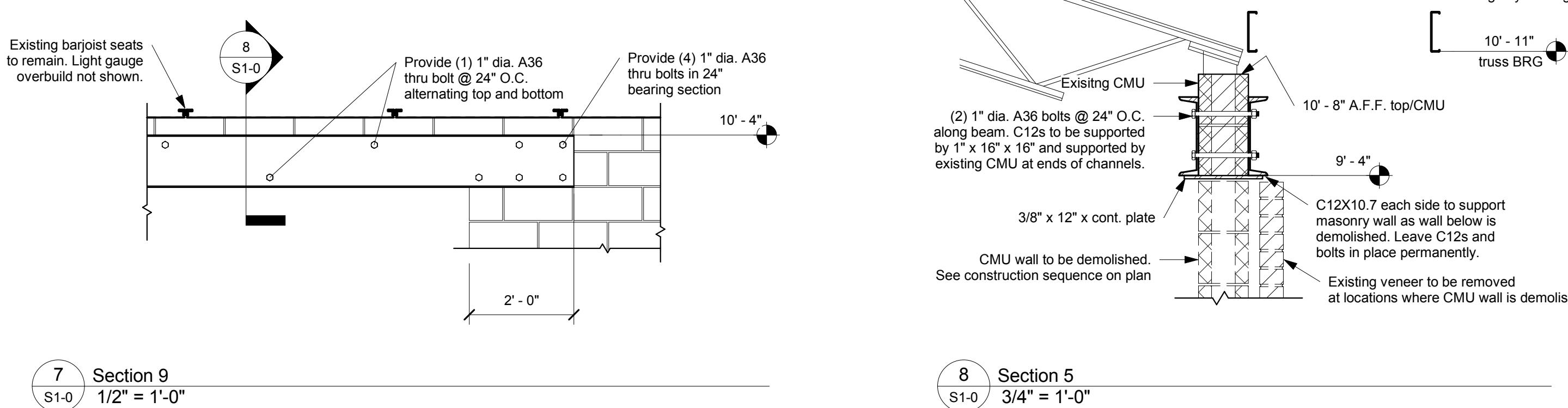
7 Section 9  
S1-0 1/2" = 1'-0"

8 Section 5  
S1-0 3/4" = 1'-0"

9 Section 3  
S1-0 3/4" = 1'-0"

Sheet Number:

S1-0



Sheet Number:

S1-0

Sheet Number:

S1-0



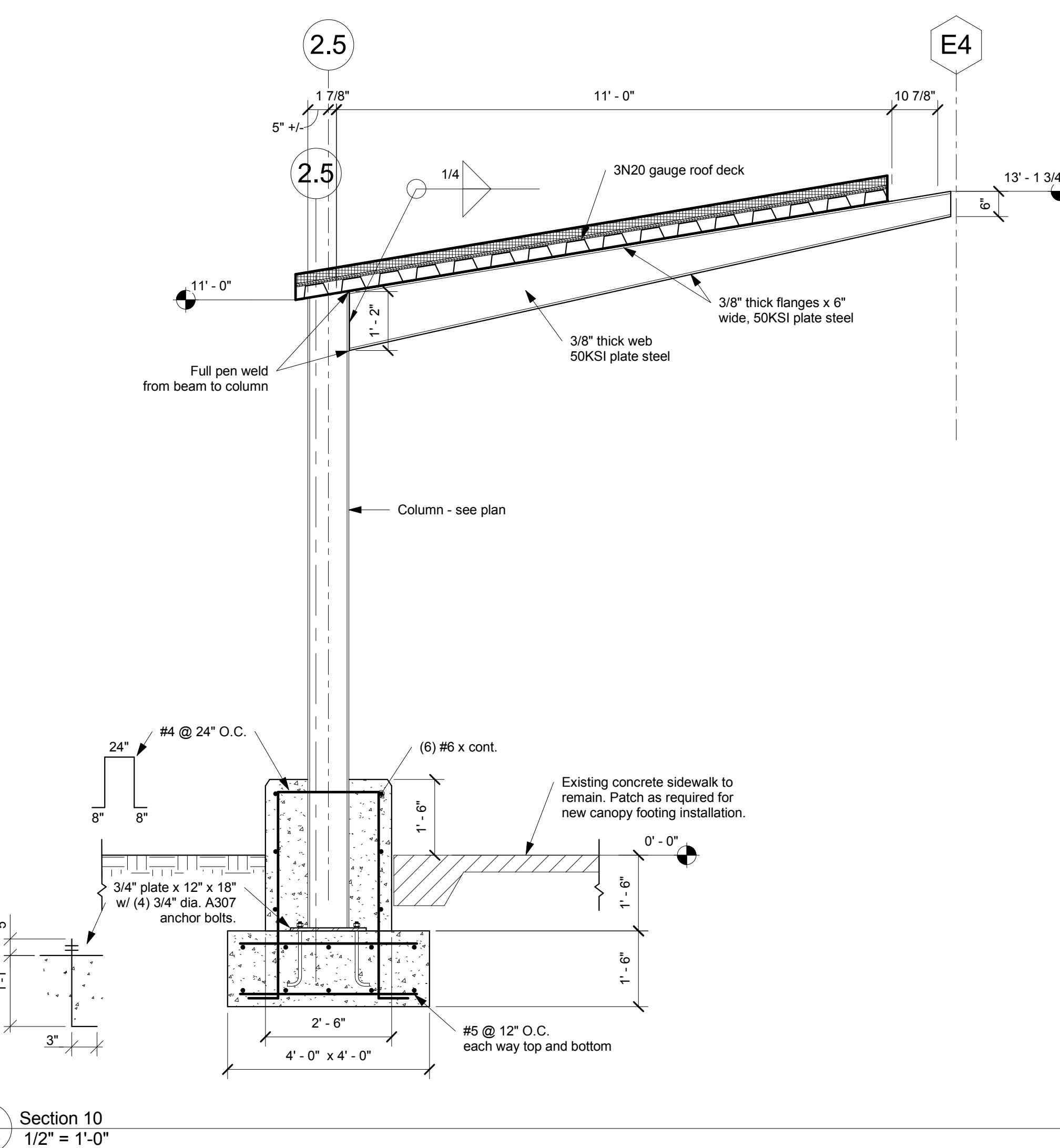
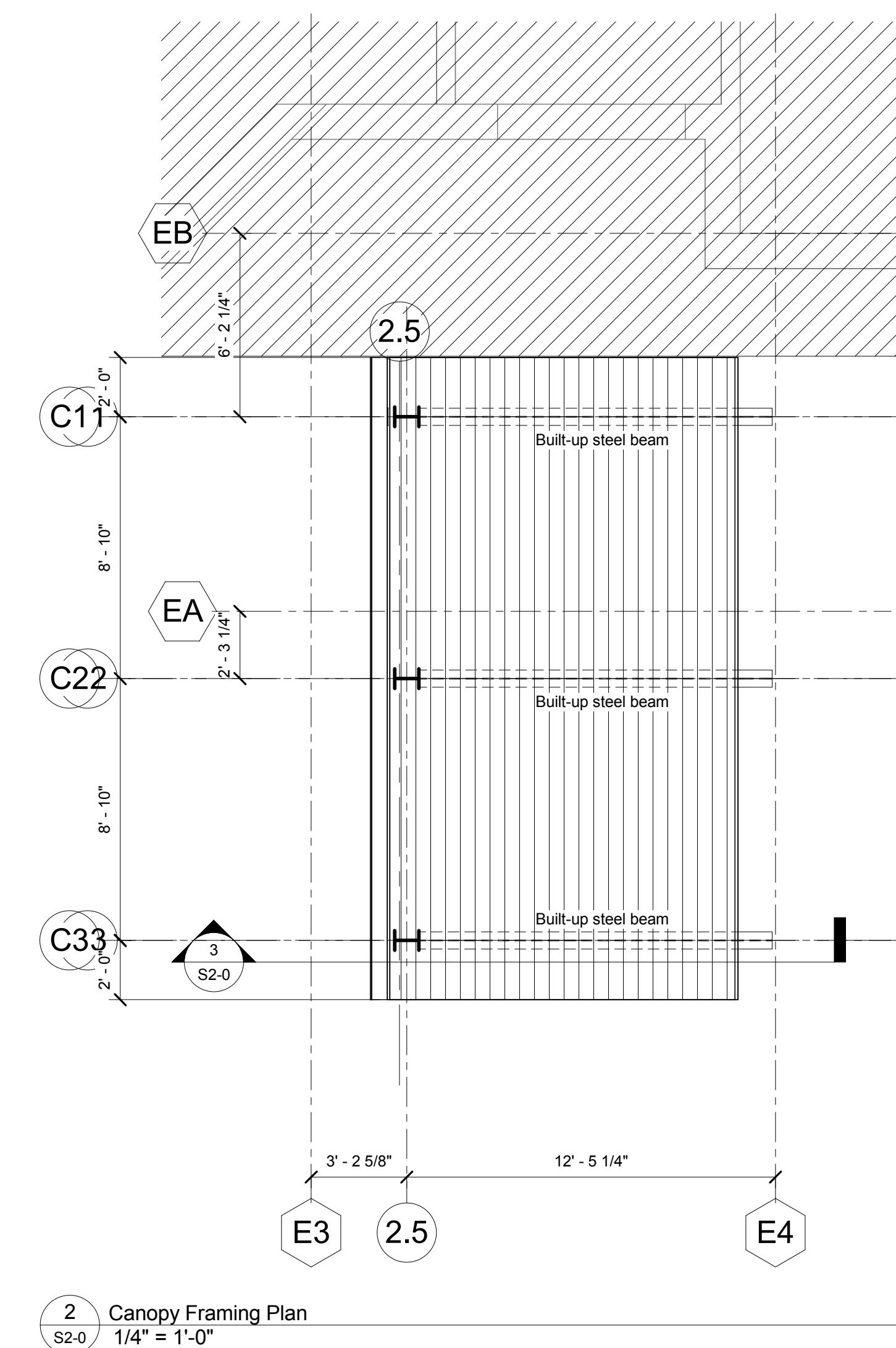
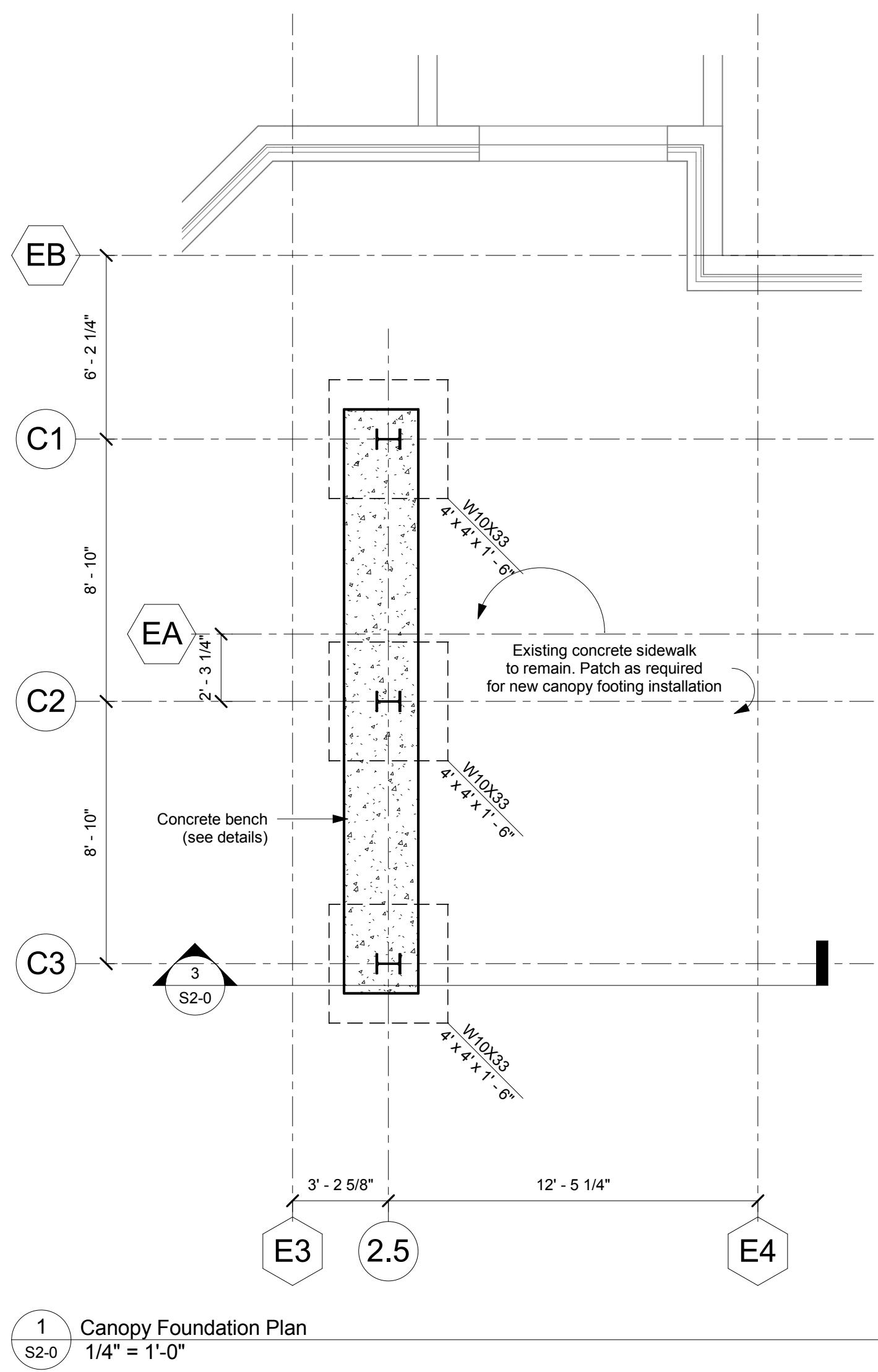
**KEI**  
Kornegay Engineering Inc.  
Structural Consultant  
363 Pierce Avenue, Suite 202  
Macon, GA 31204  
(478)745-6161 ph. (478)745-4744 fax  
[keimacon.com](http://keimacon.com)  
Project No: 16-093

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REVISONS  
# DATE DESCRIPTION



Date: 05/16/2016  
Drawn By: M. Stefano  
Checked By: A. Crosby  
Project Number: 2016-08  
Sheet Name:  
**Canopy Plans, Sections & Details**

Sheet Number:

**S2-0**



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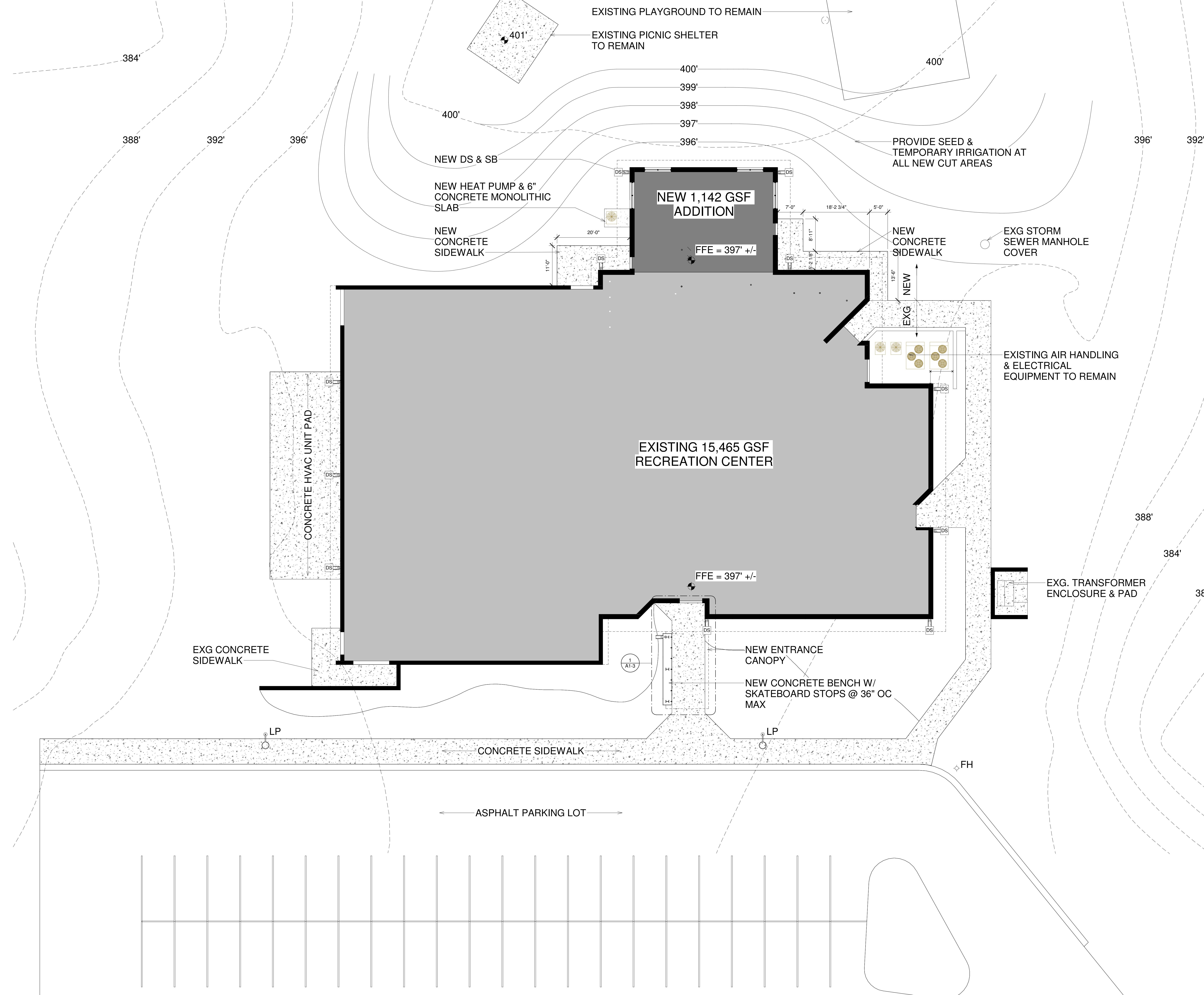
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MACON, GA 31210

REVISIONS  
# DATE DESCRIPTION

Date: 05/16/2016  
Drawn By: BEJ  
Checked By: CG  
Project Number: 2016-08  
Sheet Name: ARCHITECTURAL SITE PLAN  
Sheet Number:

AS-1

CONSTRUCTION DOCUMENTS





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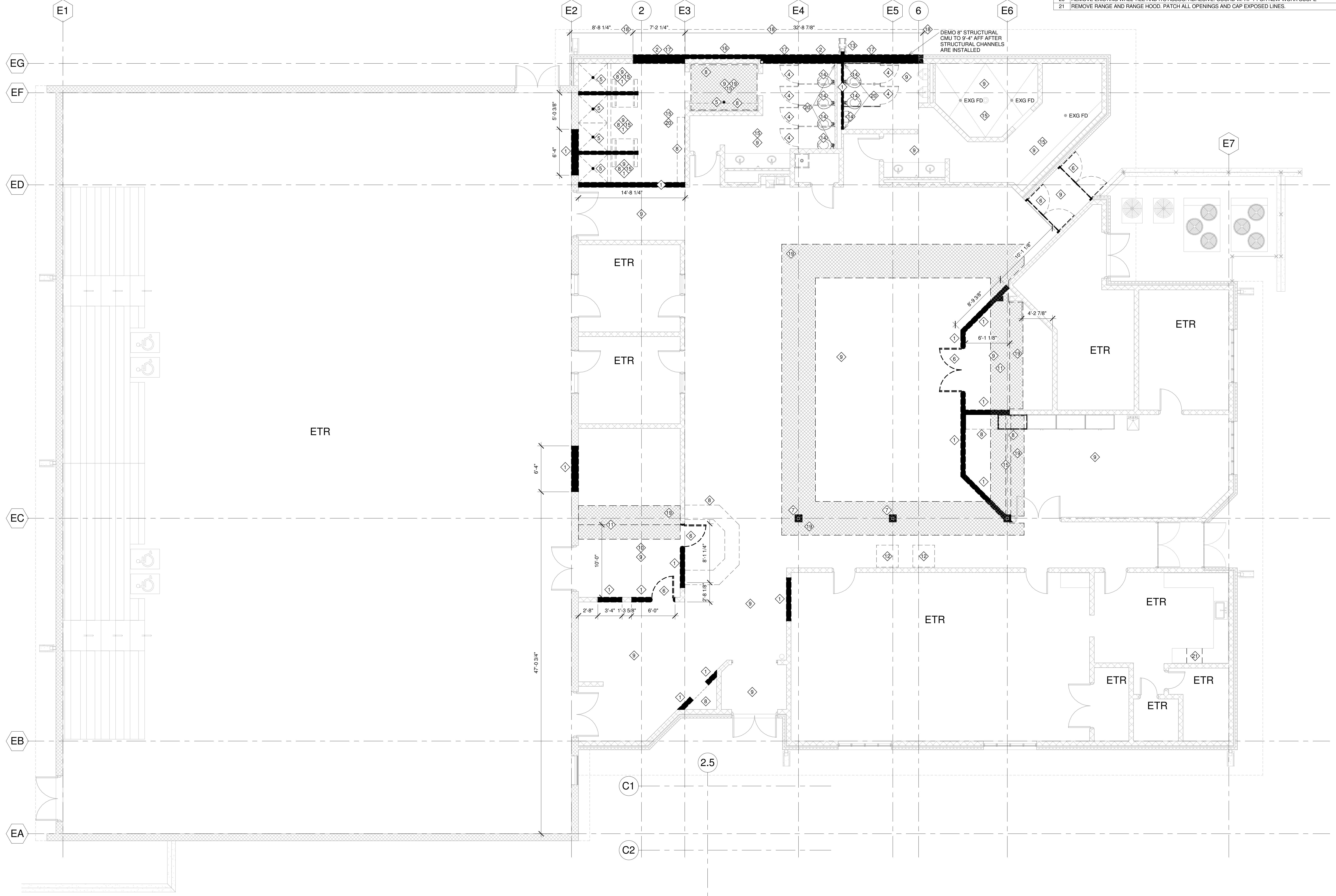
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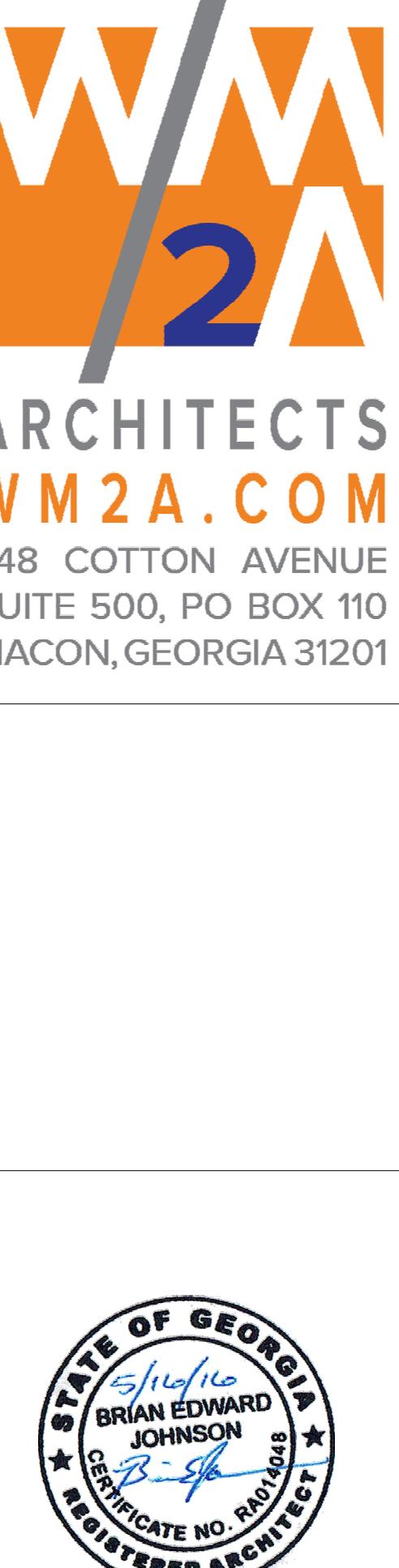
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Drawn By: BEJ/SP  
Checked By: CG  
Project Number: 2016-08  
Sheet Name:  
**DEMOLITION FLOOR PLAN**

Sheet Number:

AD-1

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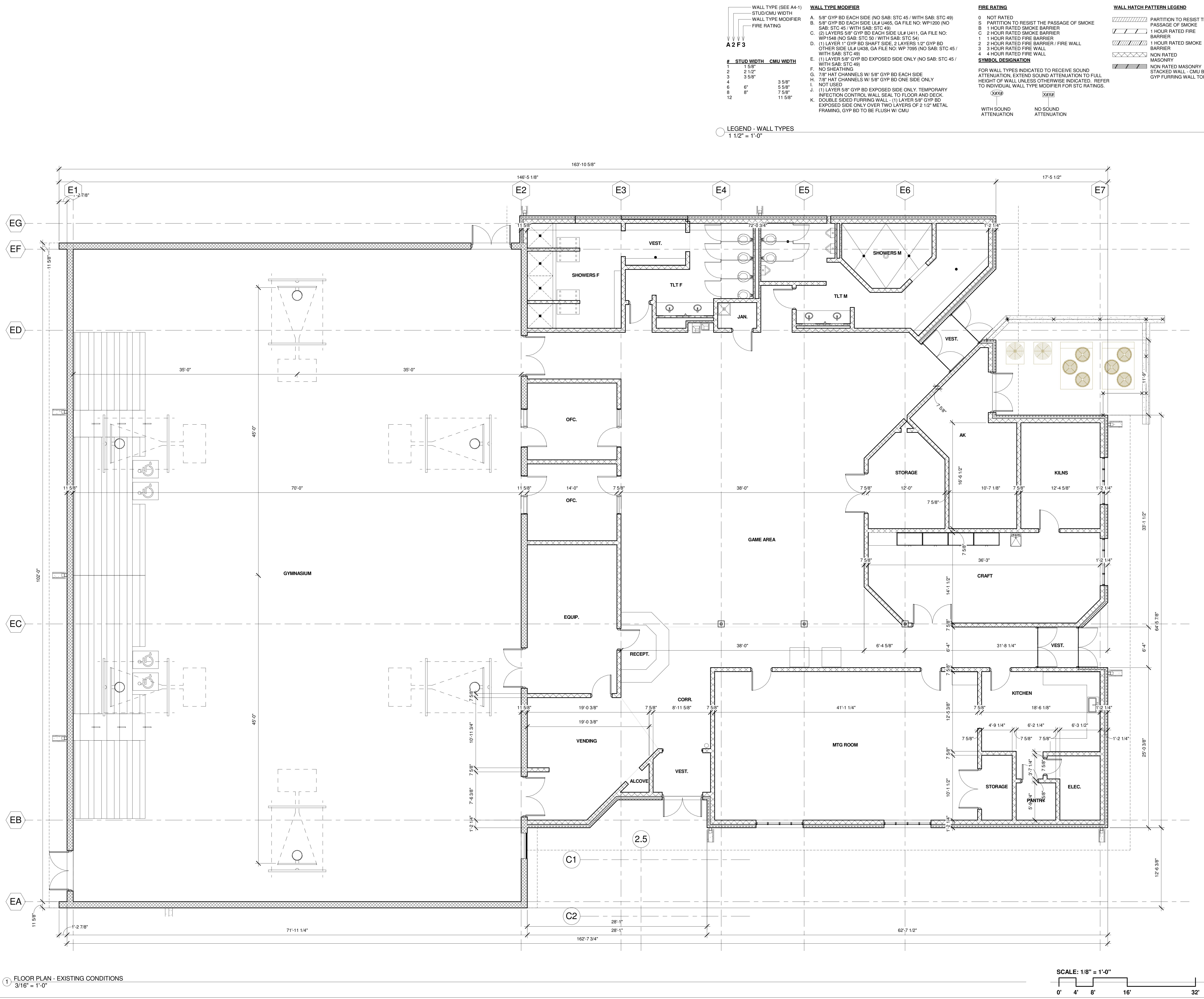
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MACON, GA 31210

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Checked By:	C
Project Number:	2016-
Client Name:	

Set Number:

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
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MACON, GA 31210

## REVISIONS

# DATE DESCRIPTION

Date: 05/16/2016  
 Drawn By: BEJ/SP  
 Checked By: CG  
 Project Number: 2016-08  
 Sheet Name: FLOOR PLAN - NEW WORK  
 Sheet Number:

A1-1  
5/16/2016 4:07:17 PM







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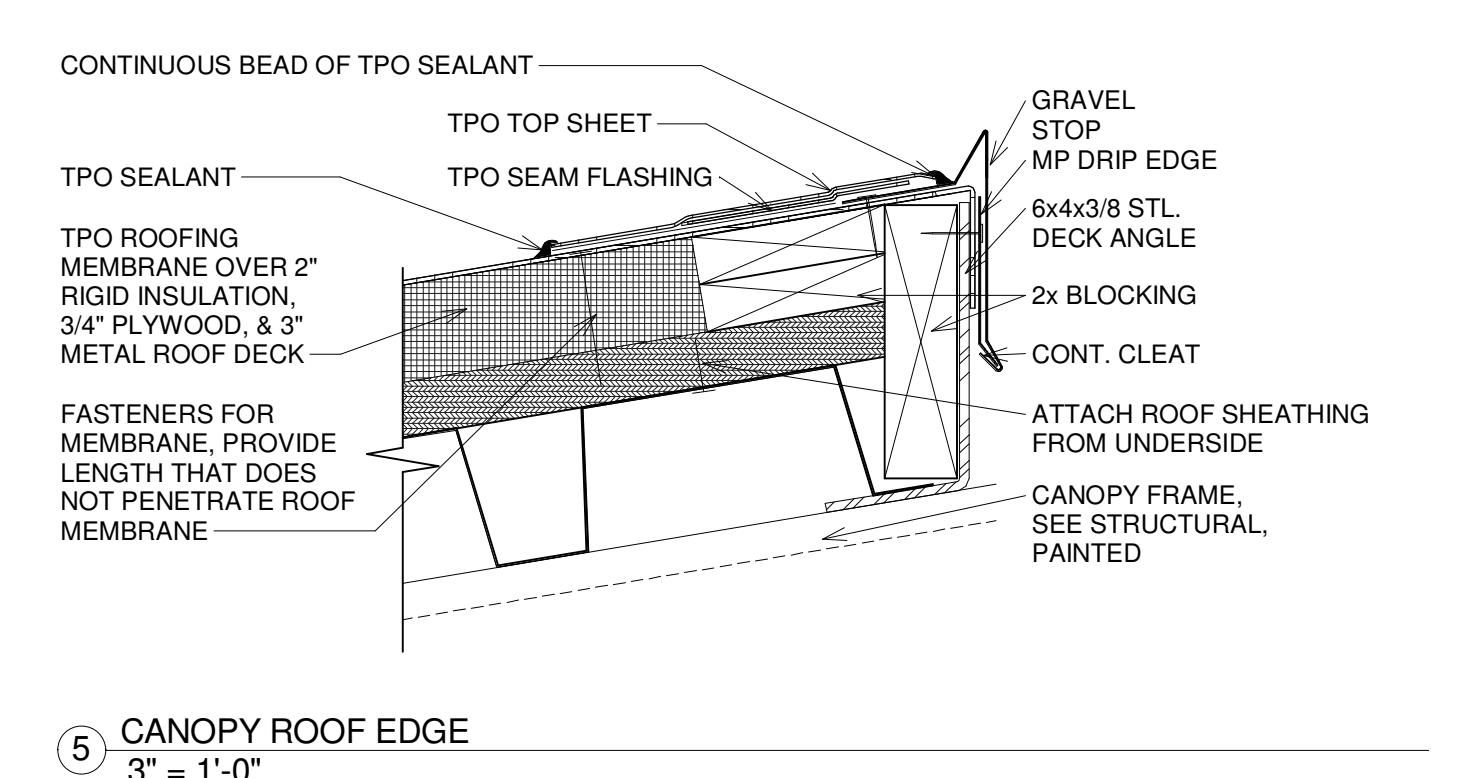
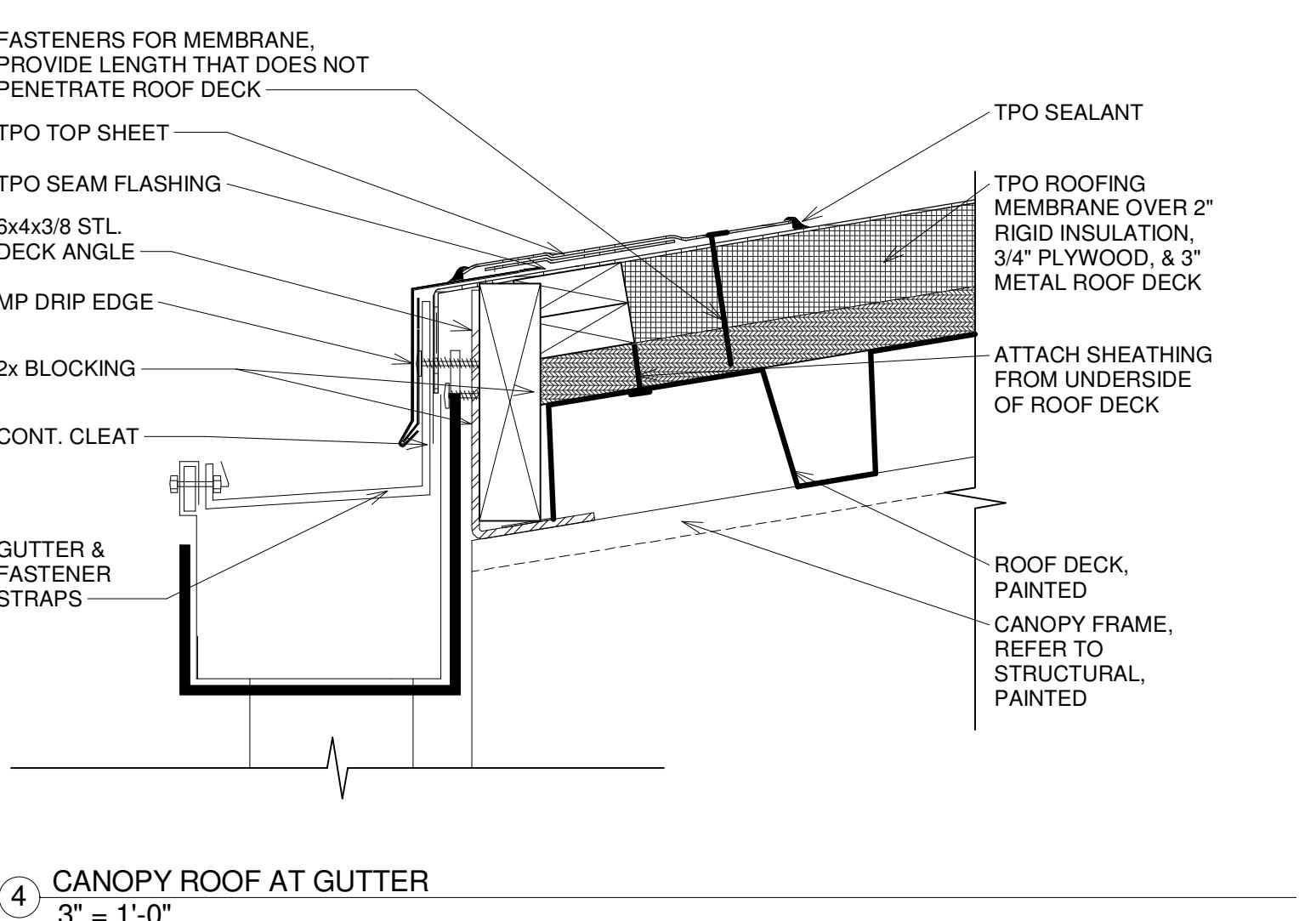
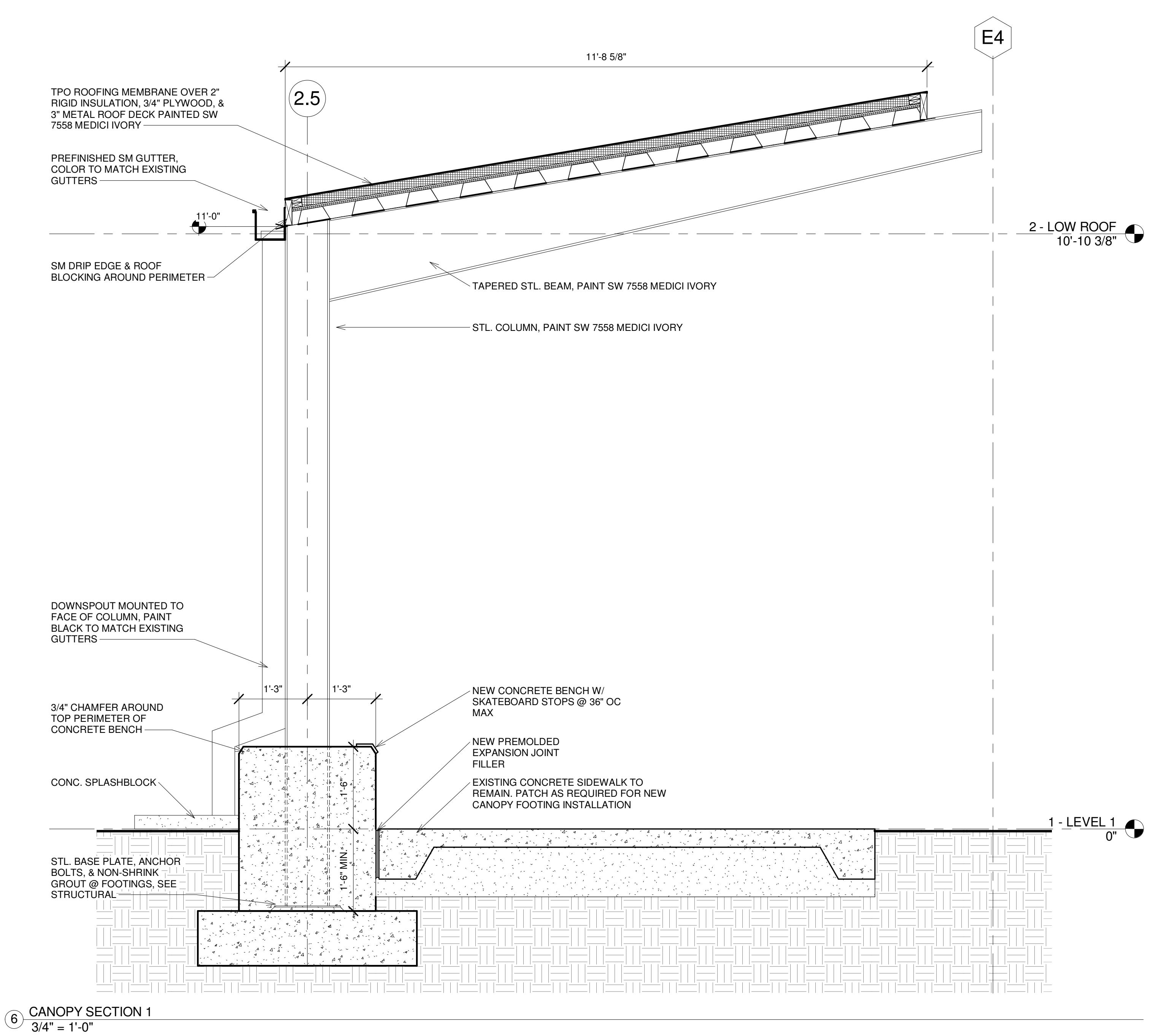
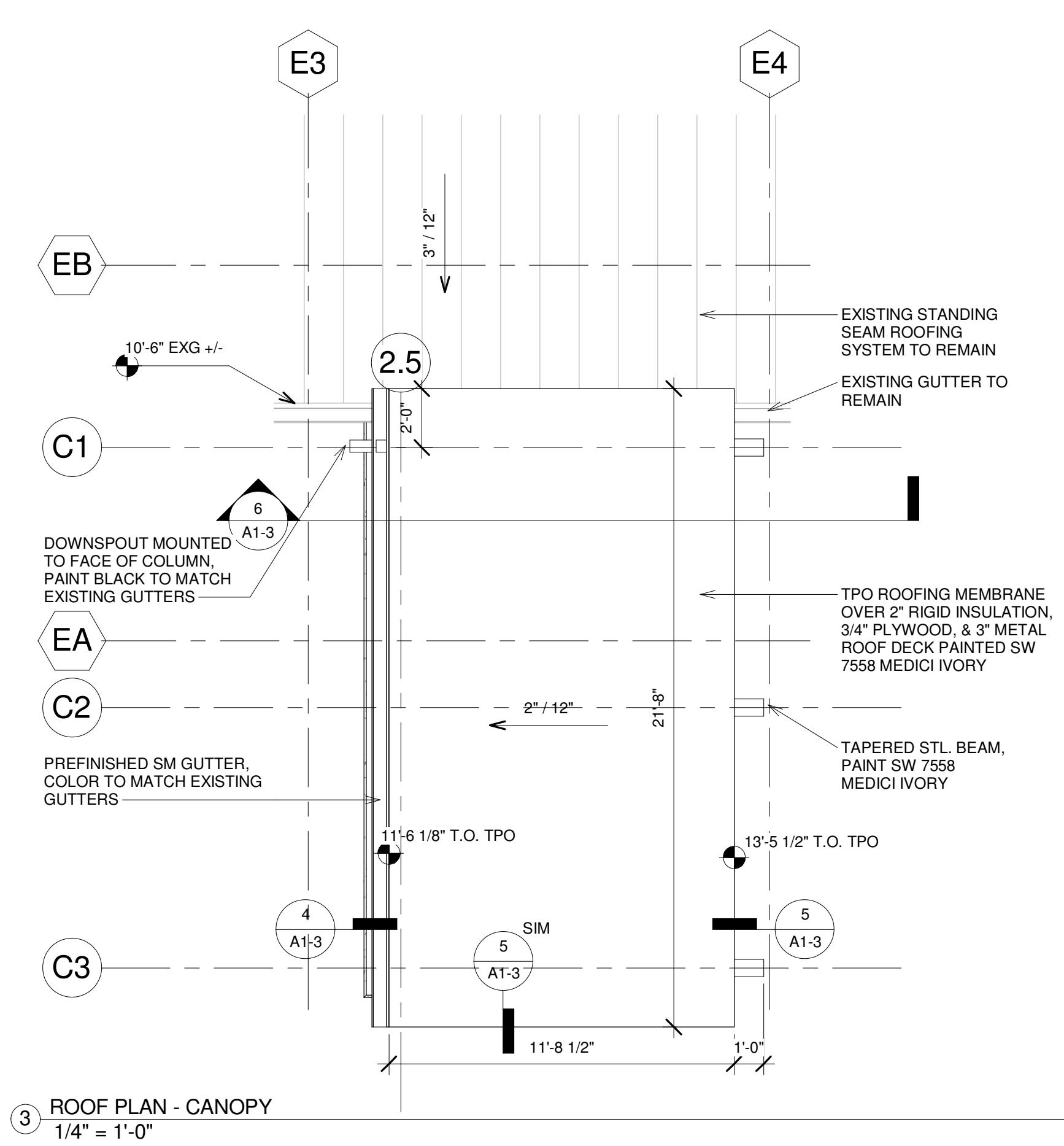
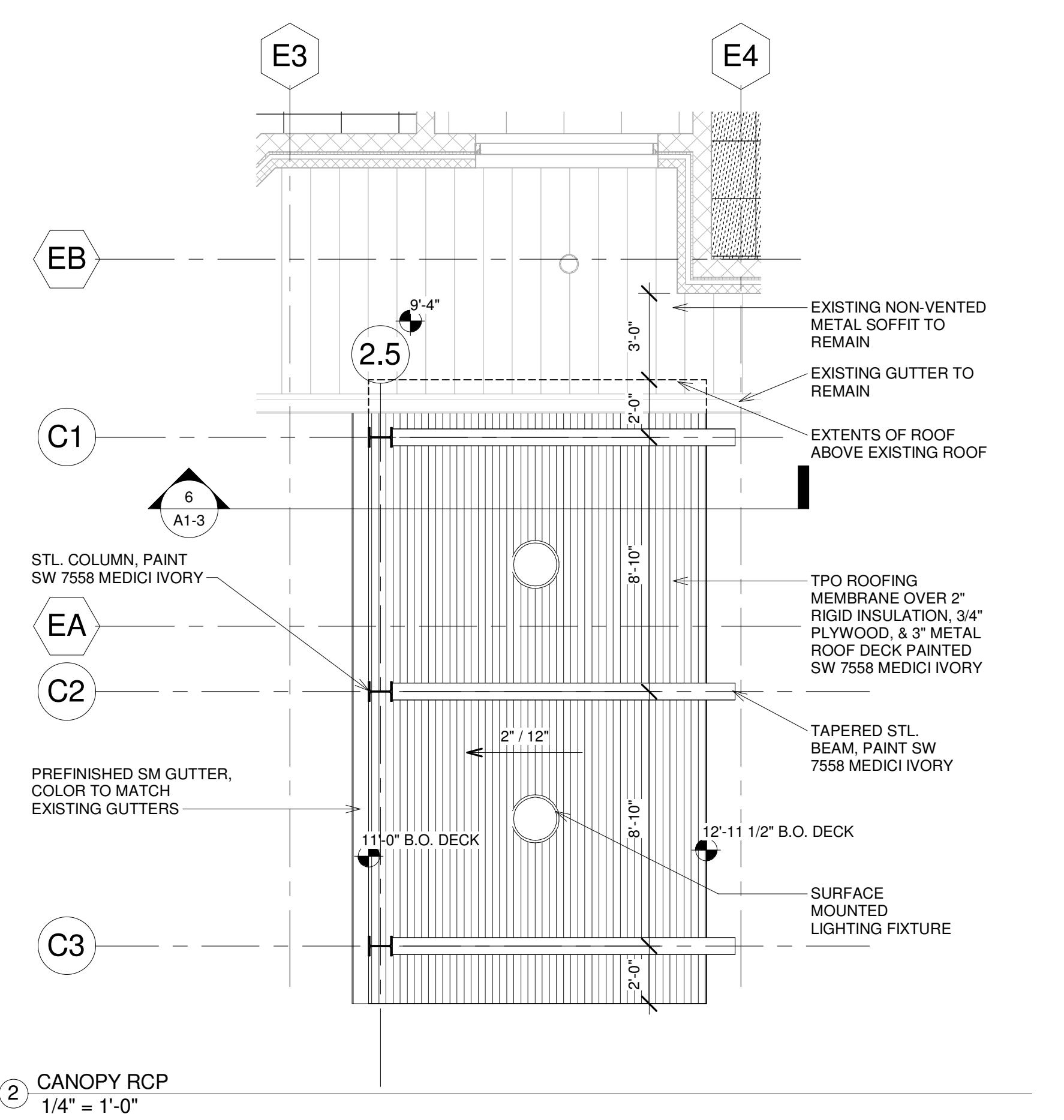
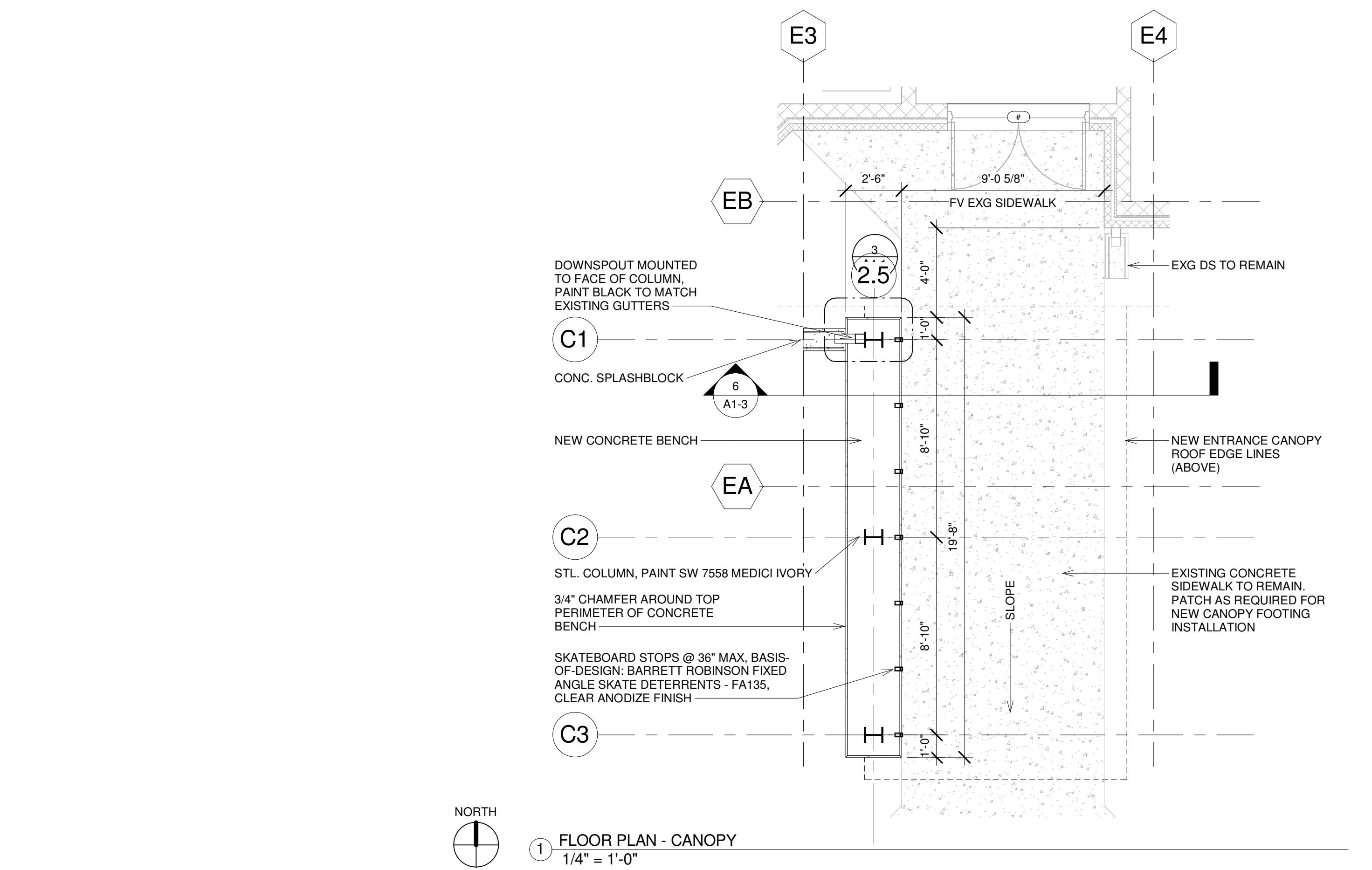
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MACON, GA 31210

REVISIONS  
# DATE DESCRIPTION

Date: 05/16/2016  
Drawn By: BEJ  
Checked By: CG  
Project Number: 2016-08  
Sheet Name:  
**CANOPY PLANS &  
SECTIONS**

Sheet Number:

**A1-3**





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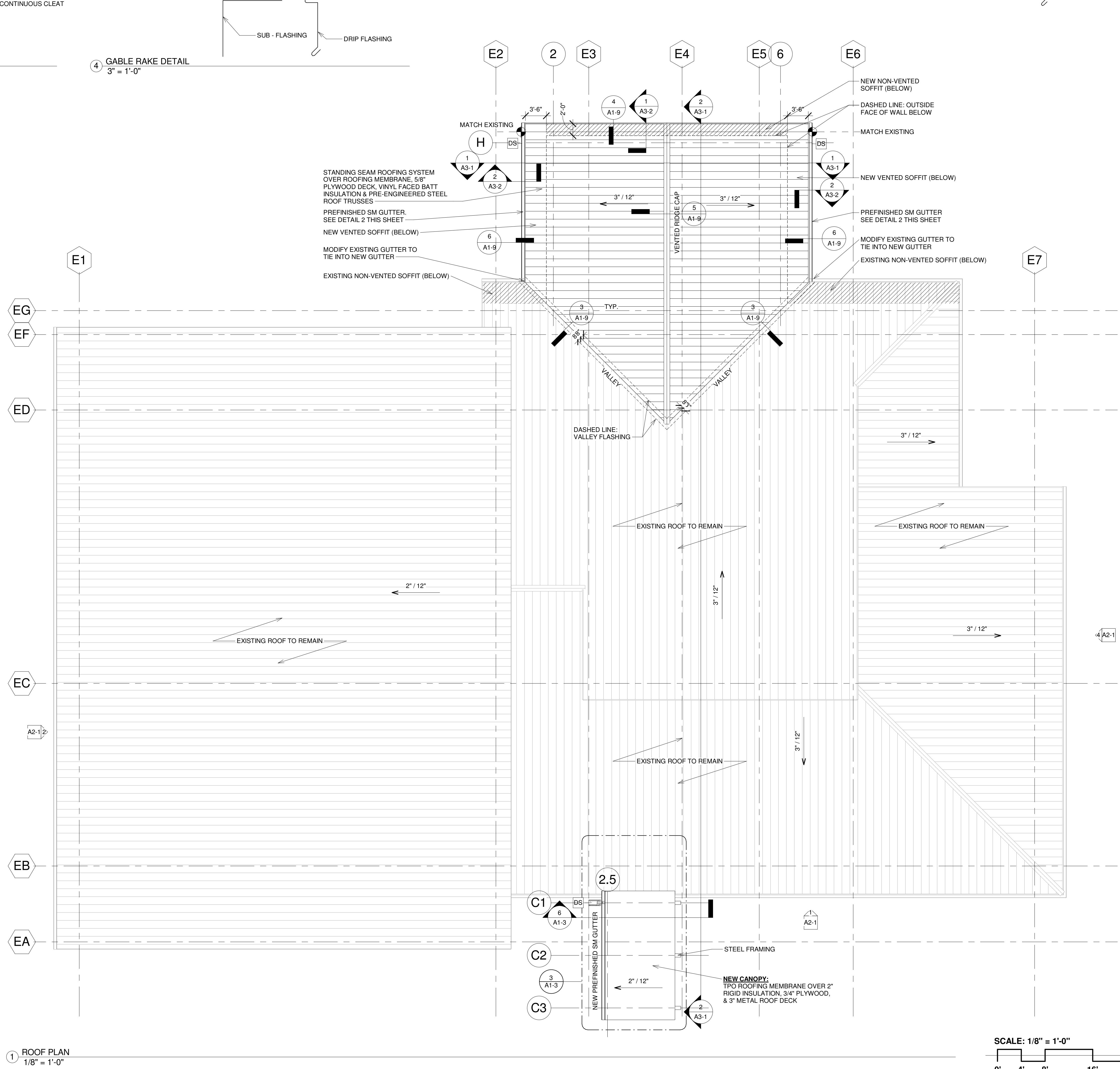
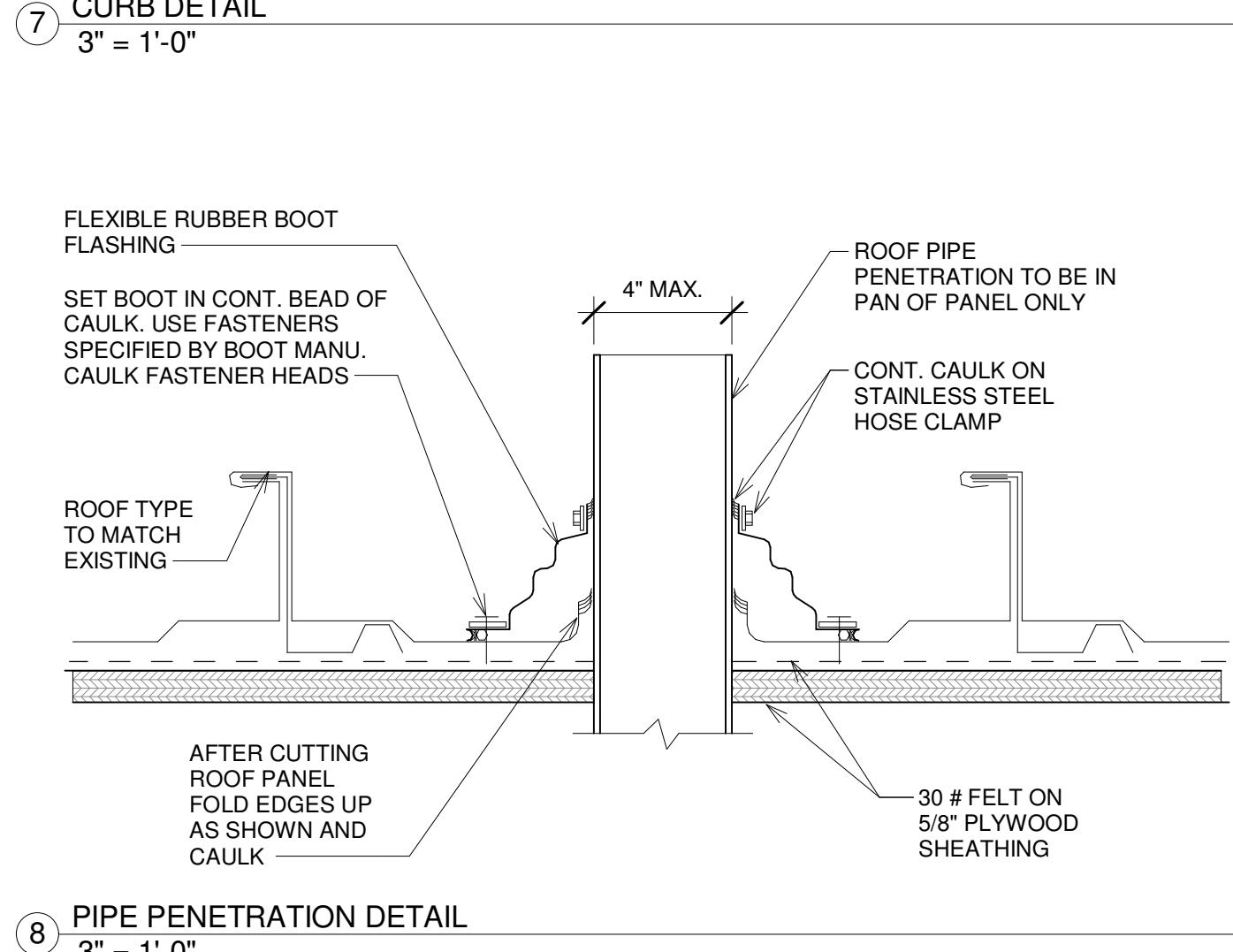
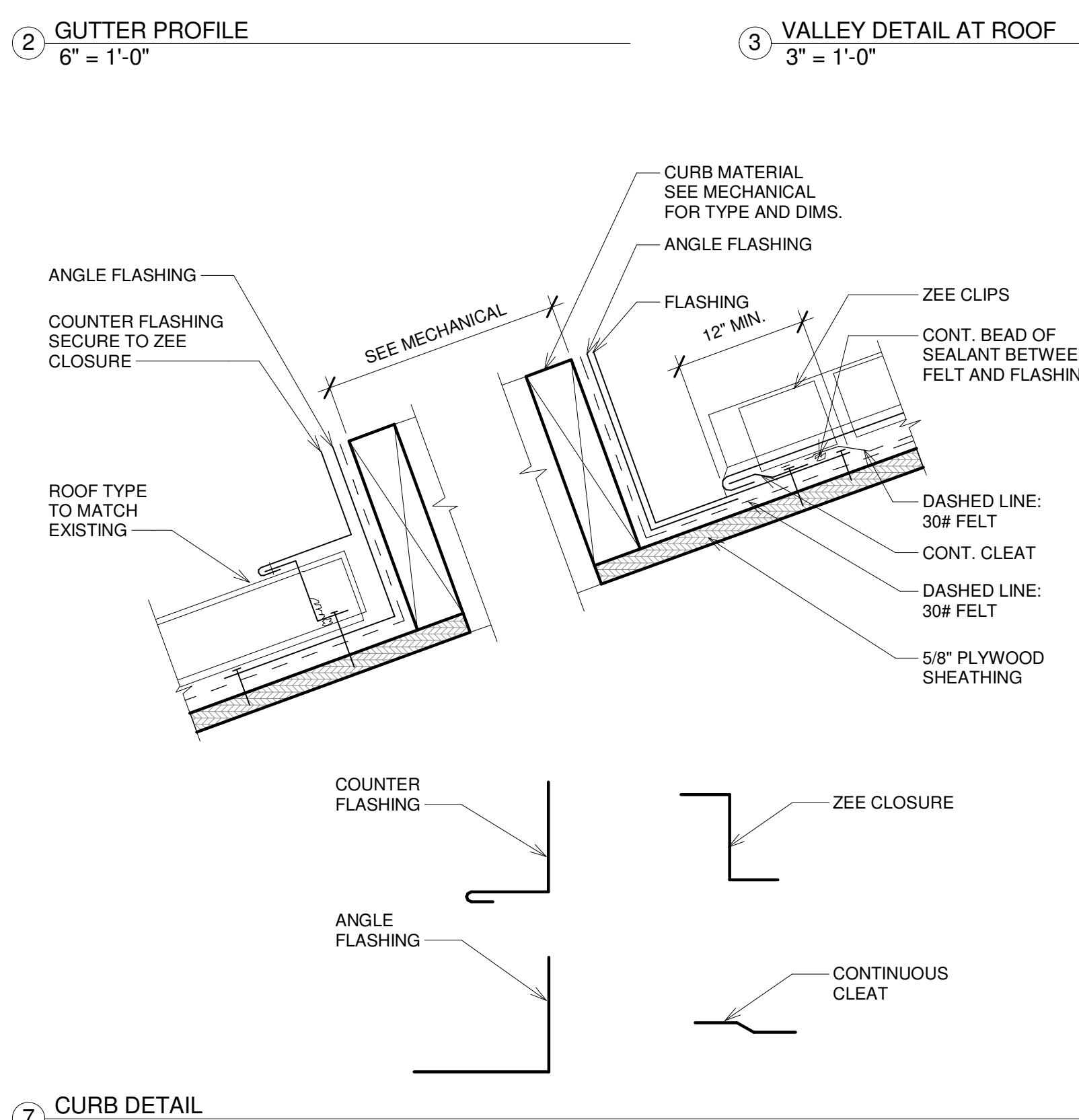
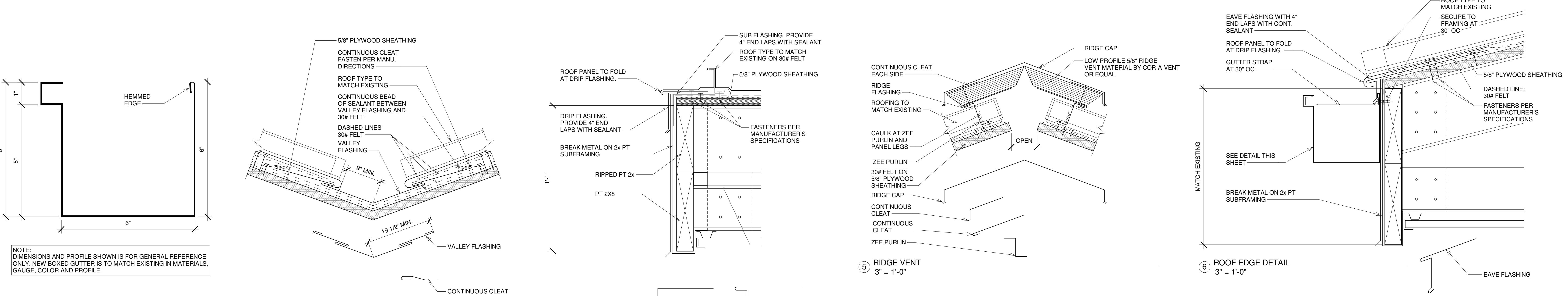
BIBB COUNTY RECREATION DEPARTMENT

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REVISIONS  
# DATE DESCRIPTION

Date: 05/16/2016  
Drawn By: BEJ/SP  
Checked By: CG  
Project Number: 2016-08  
Sheet Name: ROOF PLAN & ROOF DETAILS  
Sheet Number:

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A1-9





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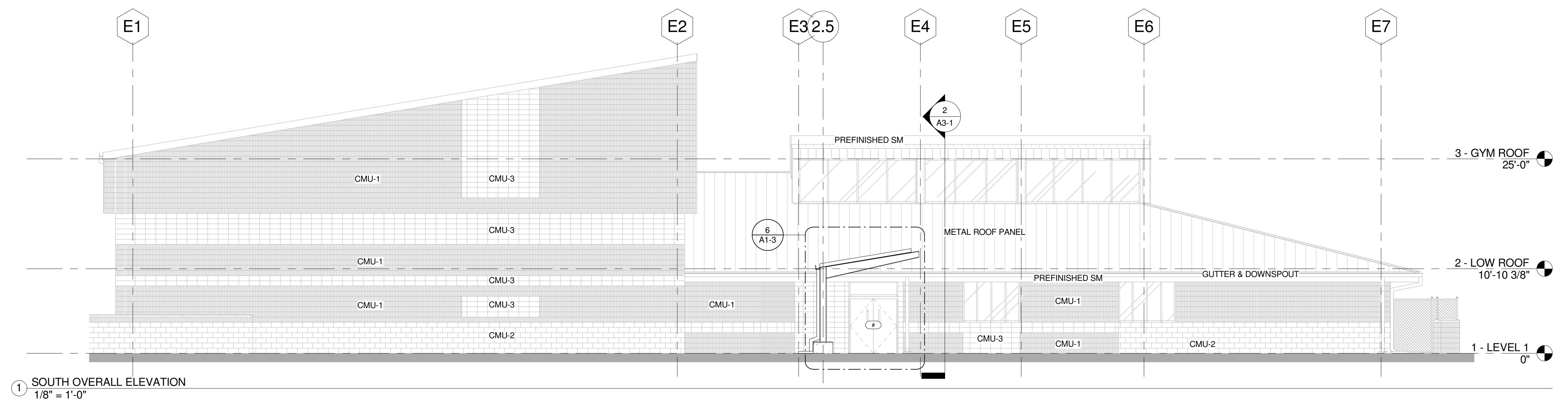
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Date: 05/16/2016  
Drawn By: BEJ  
Checked By: CG  
Project Number: 2016-08  
Sheet Name: EXTERIOR ELEVATIONS

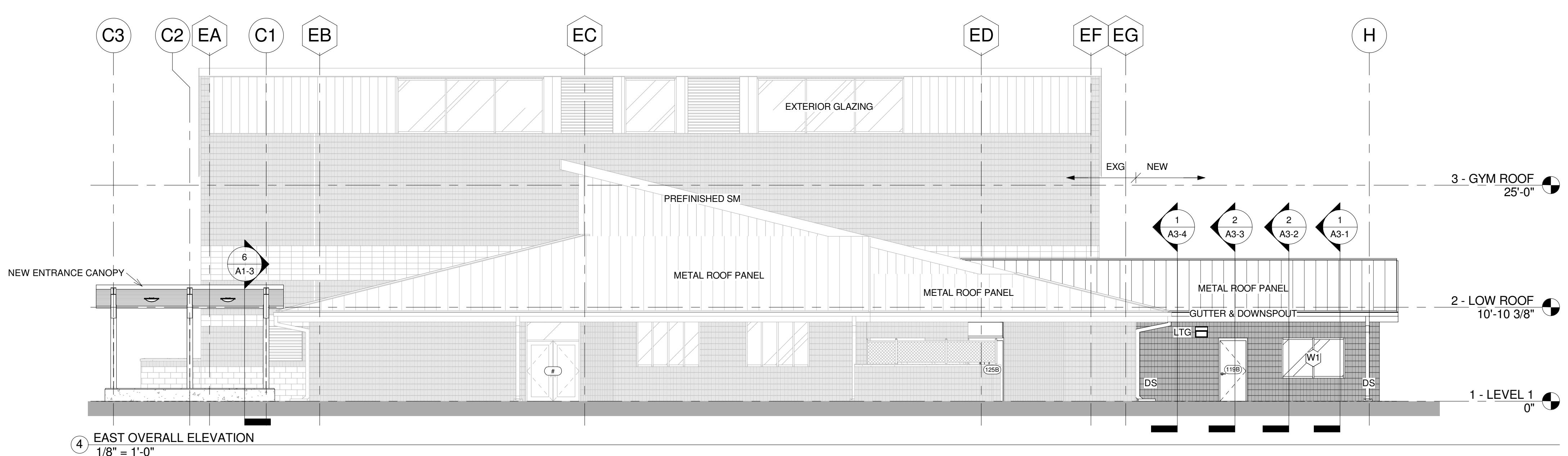
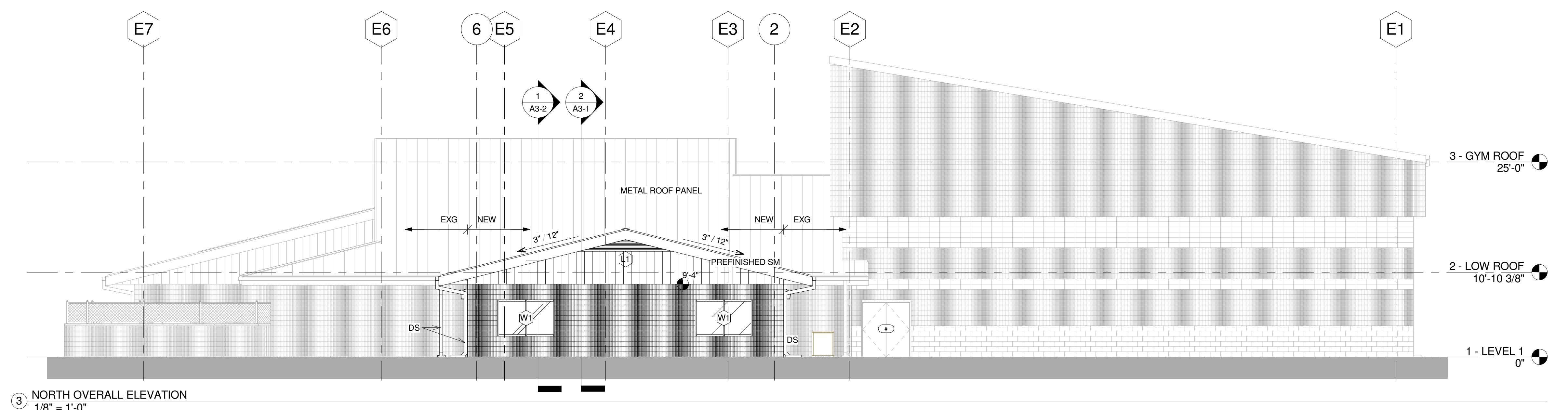
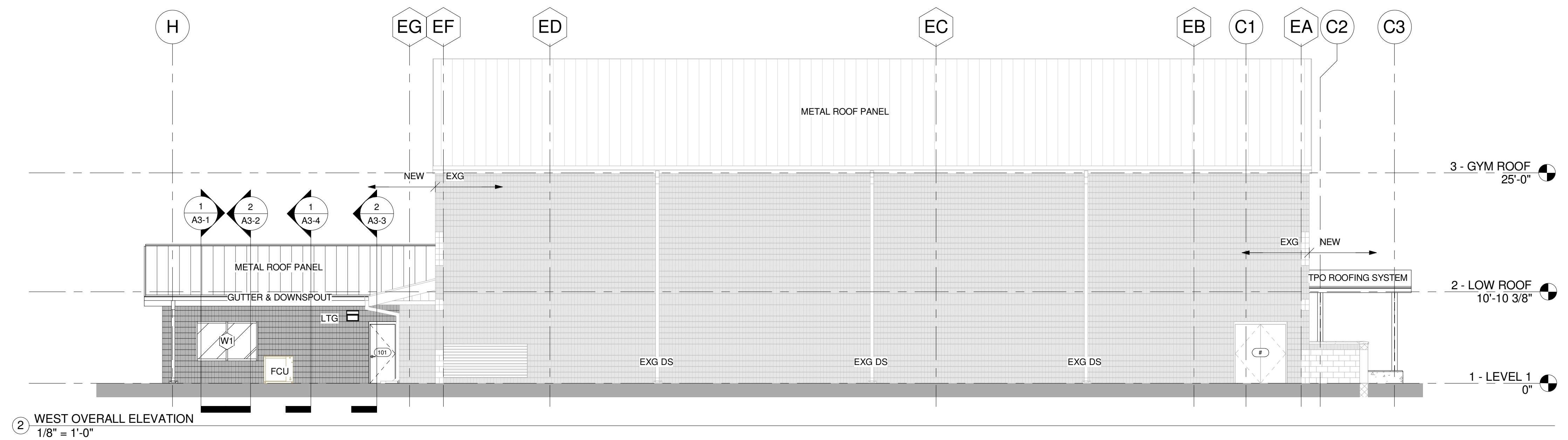
Sheet Number:

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CONSTRUCTION DOCUMENTS  
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EXTERIOR MATERIALS LEGEND	
CMU-1 STACKED BOND COLOR 1 (TAN). MATCH EXISTING: DETERMINING COLOR TO BE DETERMINED	
CMU-2 RUNNING BOND COLOR 2 (WHITE). EXISTING: EXISTING COLOR TO BE DETERMINED	
CMU-3 RUNNING BOND COLOR 3 (TAN). EXISTING: EXISTING COLOR TO BE DETERMINED	
CONCRETE CAST-IN-PLACE OR CAST STONE	
METAL WALL & ROOF PANELS STANDING SEAM PANELS AEP SPAN "COLONIAL RED" OR EQUAL TO MATCH EXISTING	





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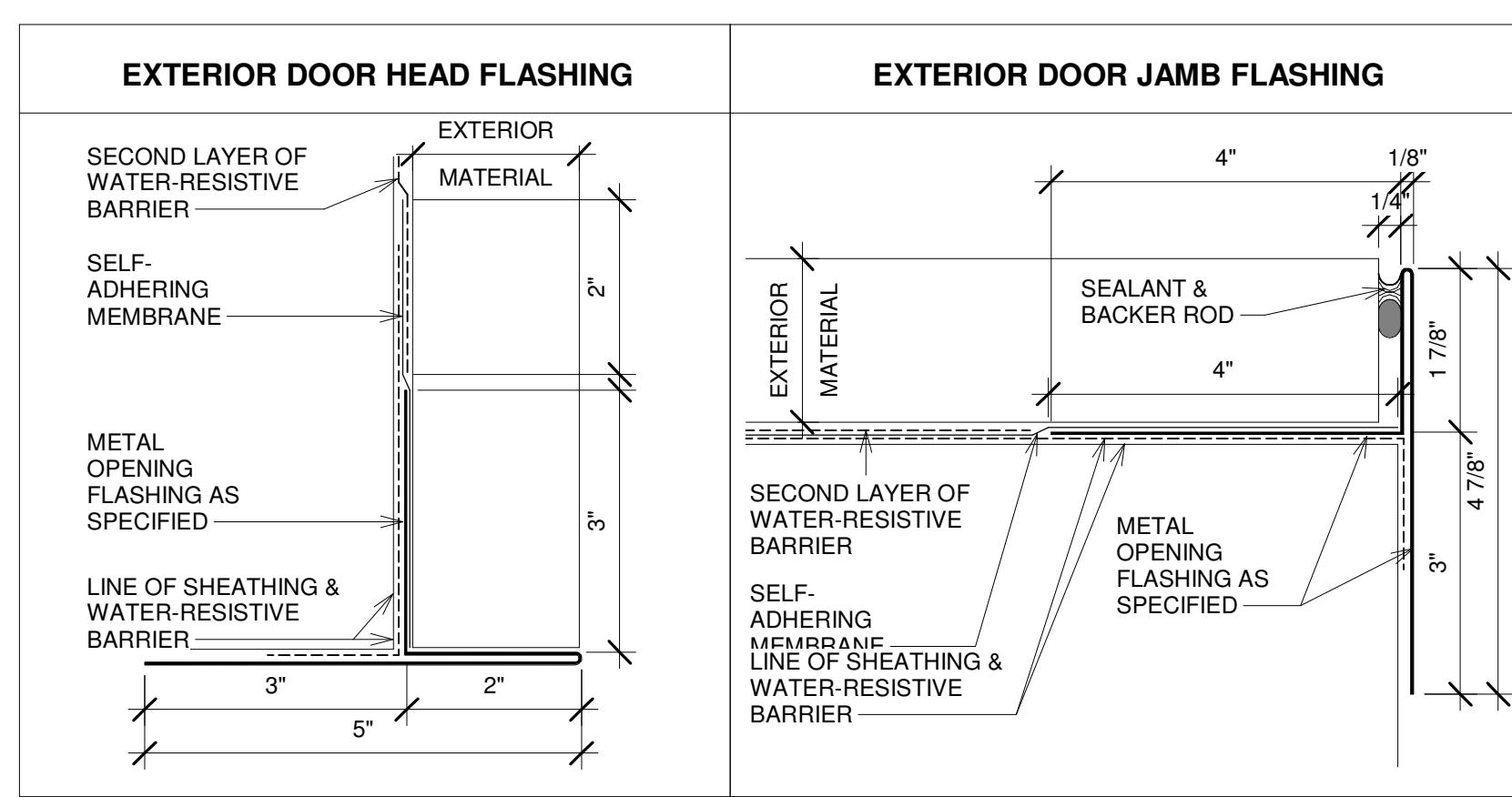
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Date: 05/16/2016  
Drawn By: BEJ  
Checked By: CG  
Project Number: 2016-08  
Sheet Name: DOOR SCHEDULE & DETAILS

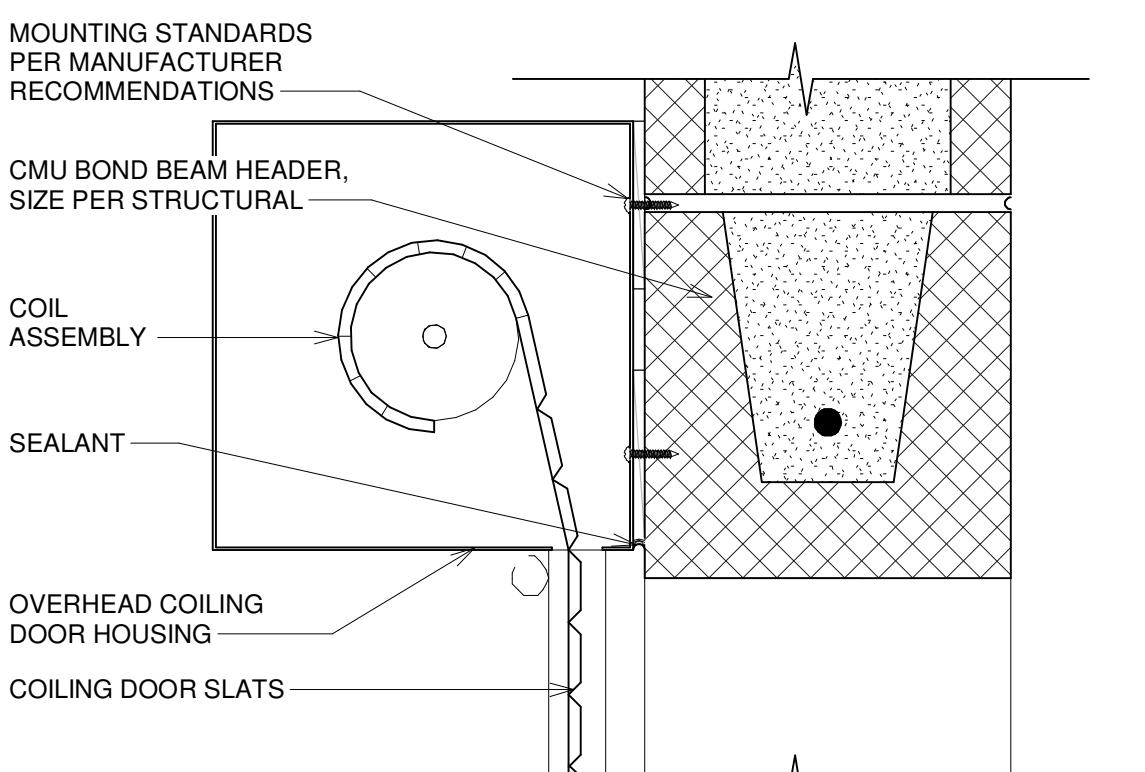
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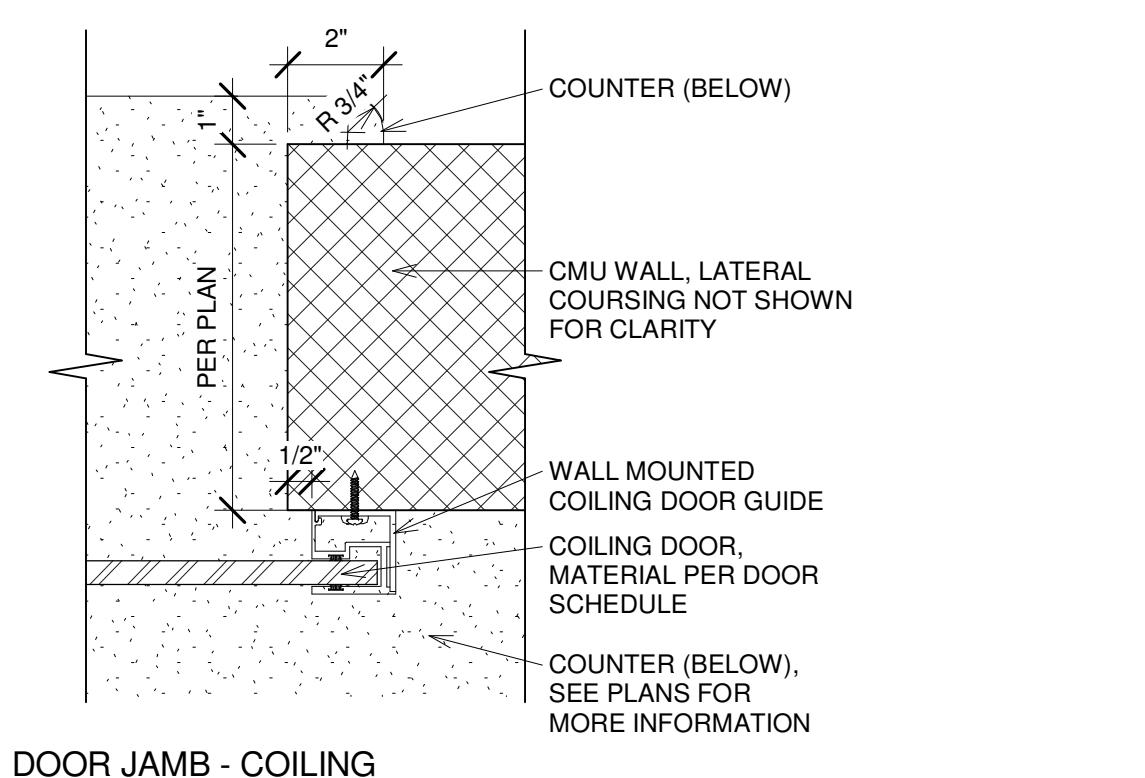


(B) DOOR FLASHING  
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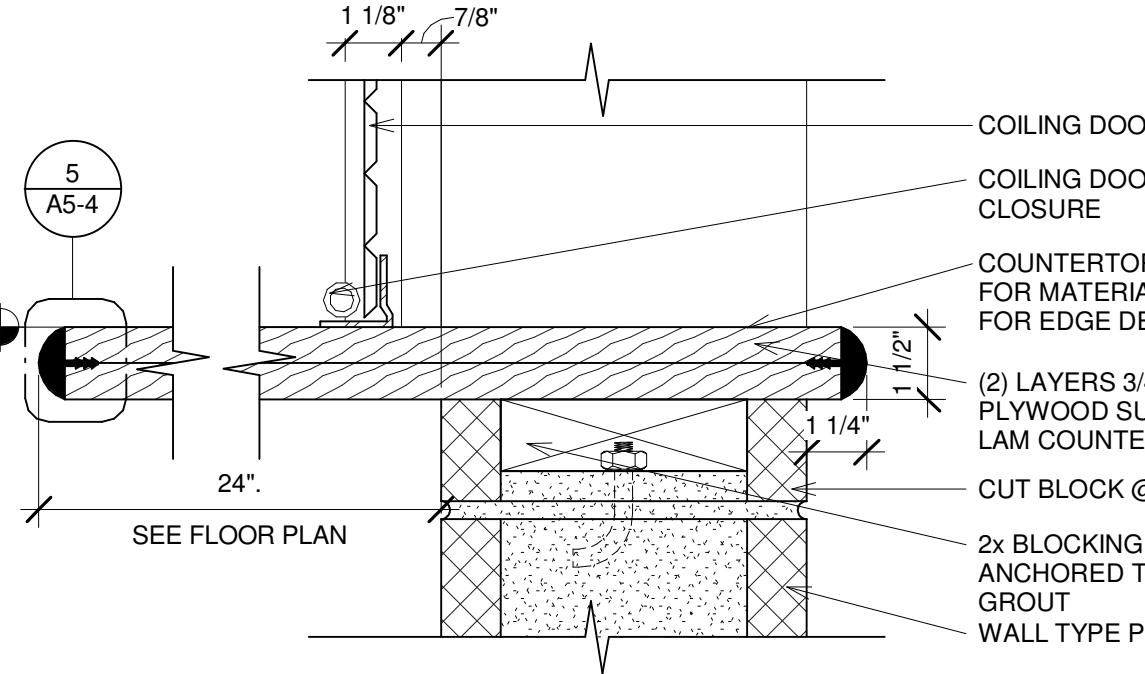


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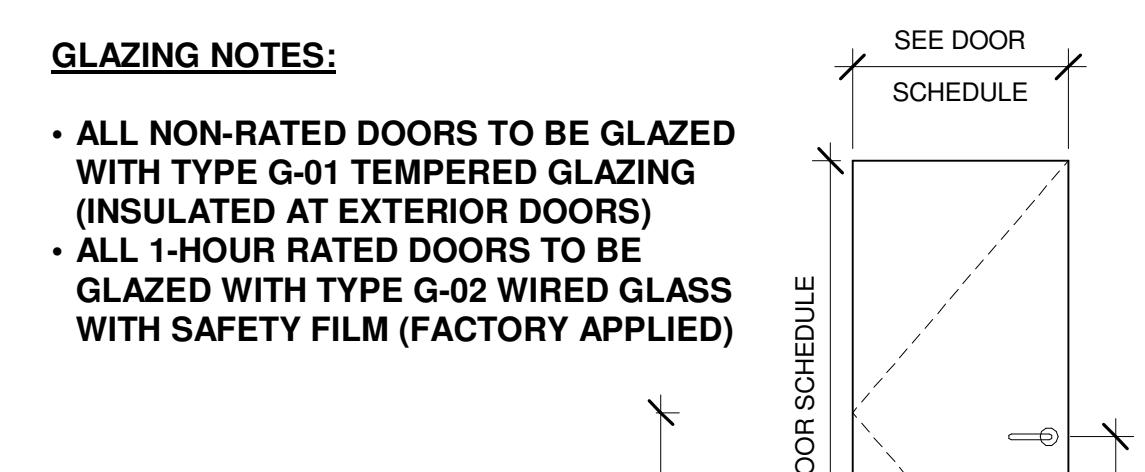
NO	FROM ROOM	TO ROOM	DOOR SCHEDULE										COMMENTS	
			WIDTH	HT	DOOR ELEV	DOOR MATERIAL	DOOR FINISH	GLAZING	FRAME ELEV	FRAME MATERIAL	FRAME FINISH	HEAD	JAMB	
101	CORR.	CORR.	3'-0"	7'-0"	B	HM	P-	G-01	3, ETR	HM	P-	3/A2-2	4/A2-2	... SEE SPEC SECTION 01 2300, ALTERNATE NO. 1
104A	RECEPT.	CORR.	3'-0"	7'-0"	B	HM	P-	G-01	2	HM	P-	1/A2-2	2/A2-2	
104C			7'-4" - 8'-0"	7'-0"	D	ROLLING STL.	PER MFR.			STL. FAIR MOUNT	PER MFR.	11/A2-2	15/A2-2	
112A	CORR.	MP ROOM	3'-0"	7'-0"	B	HM	P-	G-01	2	HM	P-	1/A2-2	2/A2-2	
112B	MP ROOM	CORR.	3'-0"	7'-0"	B	HM	P-	G-01	2	HM	P-	1/A2-2	2/A2-2	
113	STORAGE	MP ROOM	6'-4"	7'-0"	A	HM	P-		2	HM	P-	1/A2-2	2/A2-2	
119A	CORR.	MP ROOM	3'-0"	7'-0"	B	HM	P-	G-01	2	HM	P-	1/A2-2	2/A2-2	
119B	MP ROOM		3'-0"	7'-0"	B	HM	P-	G-01	3, ETR	HM	P-	3/A2-2	4/A2-2	... SEE SPEC SECTION 01 2300, ALTERNATE NO. 1
120	STORAGE	MP ROOM	6'-4"	7'-0"	A	HM	P-		2	HM	P-	1/A2-2	2/A2-2	
125A	CORR.	VEST.	6'-0"	7'-0"	B	HM	P-	G-01	3, ETR	HM	P-	1/A2-2	2/A2-2	... SEE SPEC SECTION 01 2300, ALTERNATE NO. 1
125B	VEST.		6'-0"	7'-0"	B	HM	P-	G-01	3, ETR	HM	P-	3/A2-2	4/A2-2	... SEE SPEC SECTION 01 2300, ALTERNATE NO. 1
128	EQUIP.	GYMNASIUM	6'-0"	7'-0"	A	HM	P-		2	HM	P-	1/A2-2	2/A2-2	
129	STORAGE	GYMNASIUM	6'-0"	7'-0"	A	HM	P-		2	HM	P-	1/A2-2	2/A2-2	



(1) INTERIOR DOOR HEAD - MASONRY  
3" = 1'-0"



(2) DOOR JAMB - COILING  
3" = 1'-0"



## DOOR

FINISH FLOOR ELEVATION = 0'-0"

SEE DOOR SCHEDULE

TYPE A: FLUSH PANEL SINGLE & DOUBLE LEAF

SEE DOOR SCHEDULE

TYPE B: VISION-LITE 100 SQ IN. MAX SINGLE & DOUBLE LEAF

SEE DOOR SCHEDULE

TYPE C: HALF-LITE 1,296 SQ IN. MAX SINGLE & DOUBLE LEAF

SEE DOOR SCHEDULE

TYPE D: OVERHEAD COILING DOOR FACE MOUNTED FRAME

SEE DOOR SCHEDULE

TYPE 1: HM FRAME

SEE DOOR SCHEDULE

TYPE 2: HM FRAME

SEE DOOR SCHEDULE

TYPE 3: HM FRAME W/ TRANSOM

SEE DOOR SCHEDULE

TYPE 4: HM FRAME W/ TRANSOM

SEE DOOR SCHEDULE

TYPE 5: HM FRAME W/ SIDELIGHT

SEE DOOR SCHEDULE

TYPE 6: HM FRAME W/ SIDELIGHT

SEE DOOR SCHEDULE

LEGEND - DOOR ELEVATIONS

3/8" = 1'-0"

## FRAME

FINISH FLOOR ELEVATION = 0'-0"

SEE DOOR SCHEDULE

TYPE 1: HM FRAME

SEE DOOR SCHEDULE

TYPE 2: HM FRAME

SEE DOOR SCHEDULE

TYPE 3: HM FRAME W/ TRANSOM

SEE DOOR SCHEDULE

TYPE 4: HM FRAME W/ TRANSOM

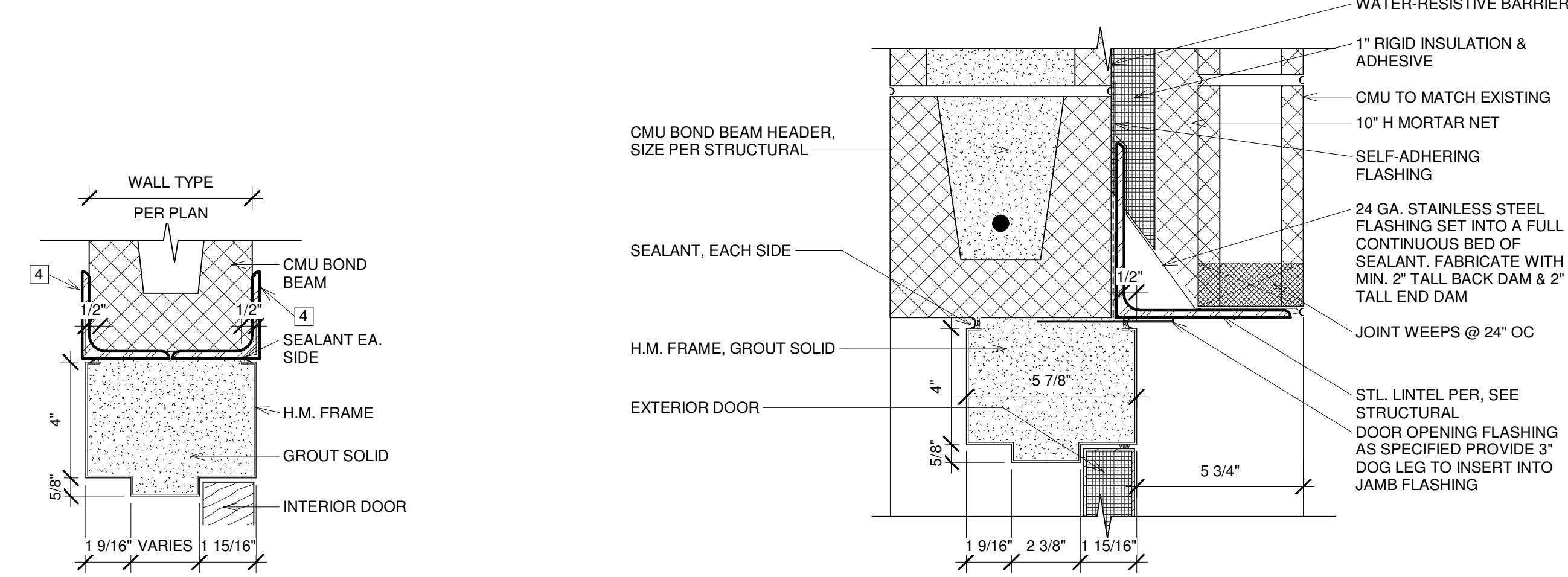
SEE DOOR SCHEDULE

TYPE 5: HM FRAME W/ SIDELIGHT

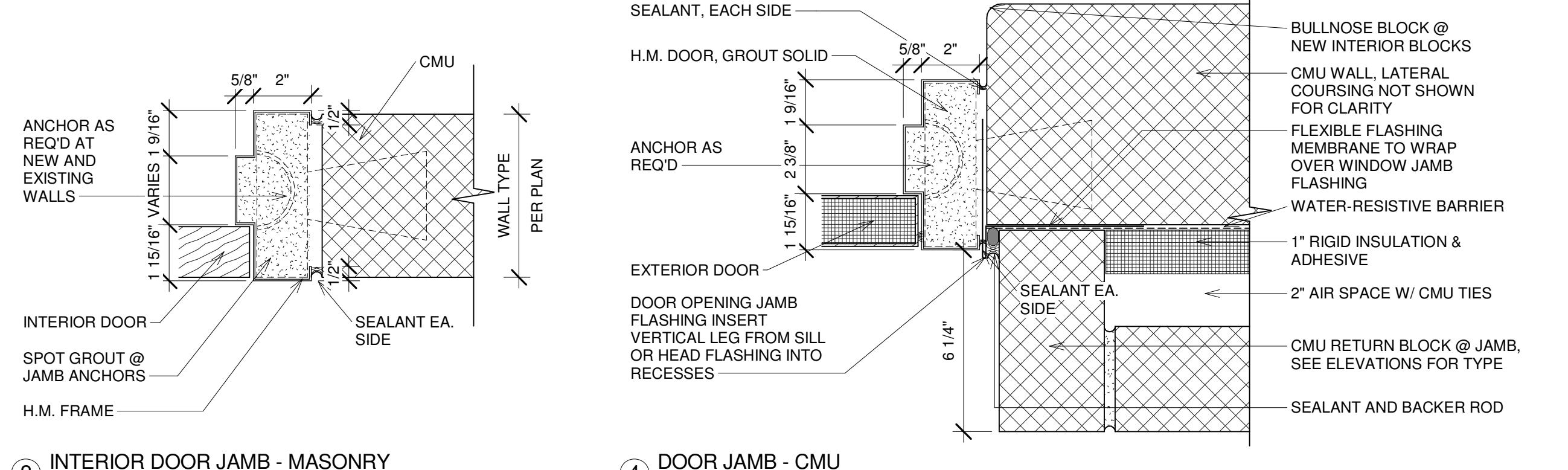
SEE DOOR SCHEDULE

TYPE 6: HM FRAME W/ SIDELIGHT

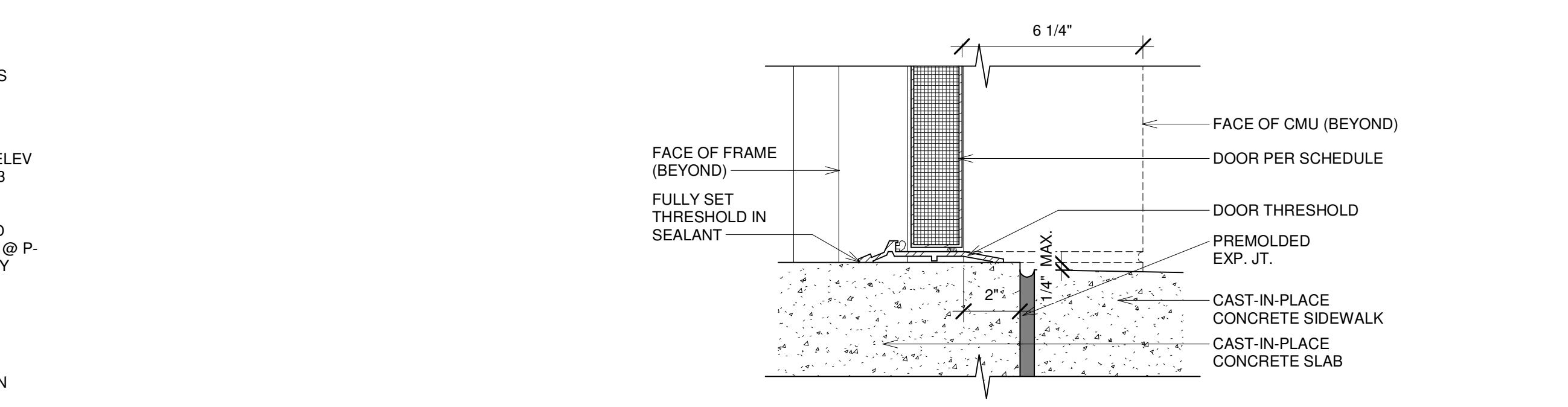
SEE DOOR SCHEDULE



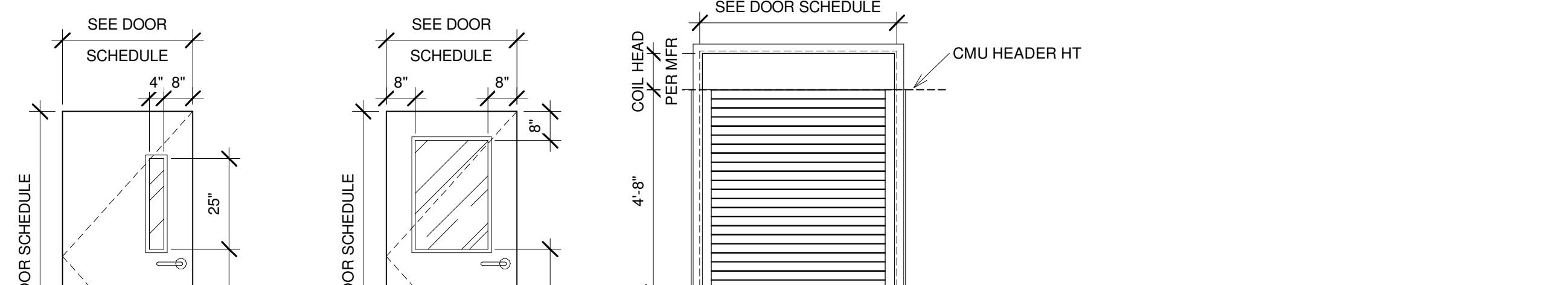
(11) DOOR HEAD - COILING  
3" = 1'-0"



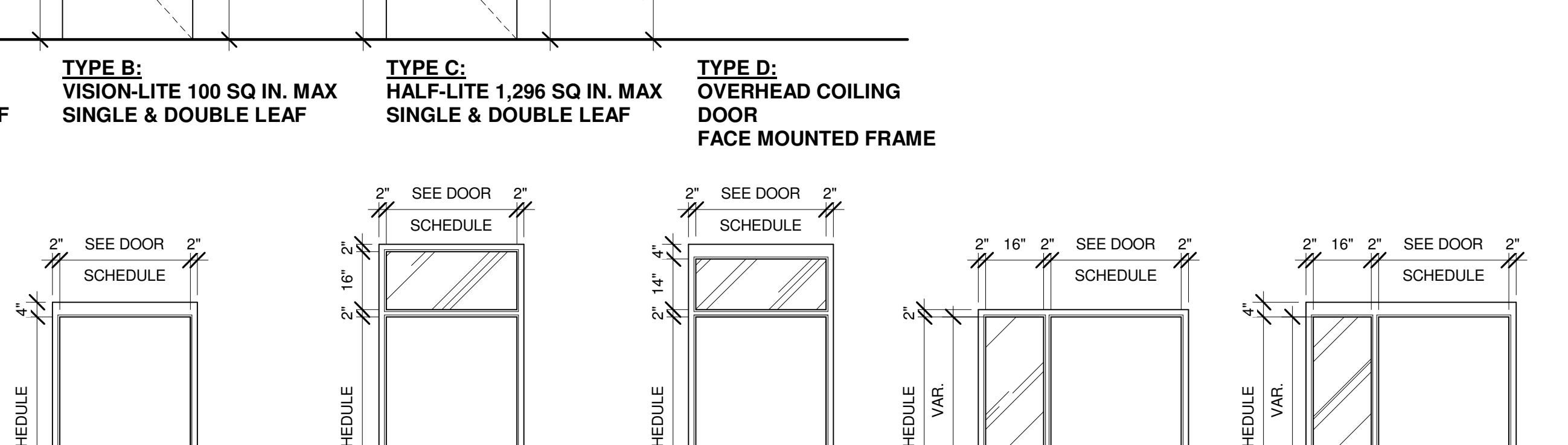
(1) INTERIOR DOOR HEAD - MASONRY  
3" = 1'-0"



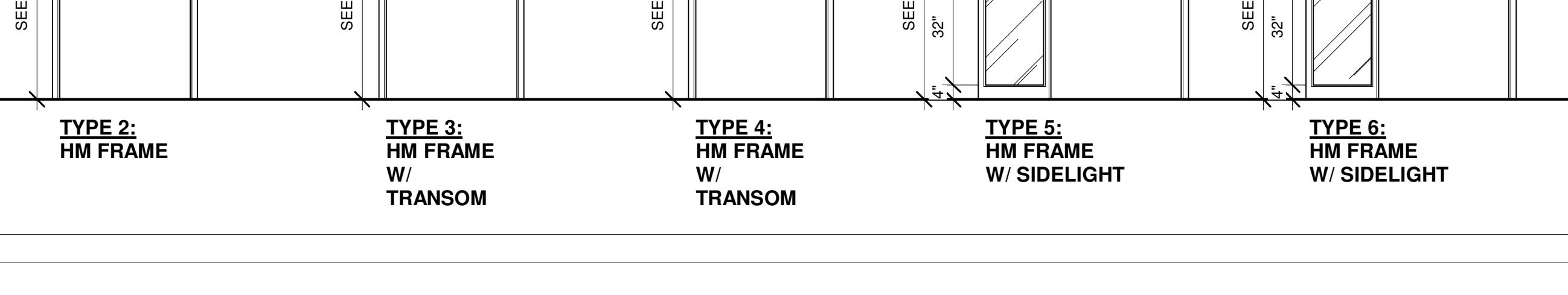
(2) DOOR JAMB - MASONRY  
3" = 1'-0"



(3) DOOR SILL - EXTERIOR TO INTERIOR  
3" = 1'-0"



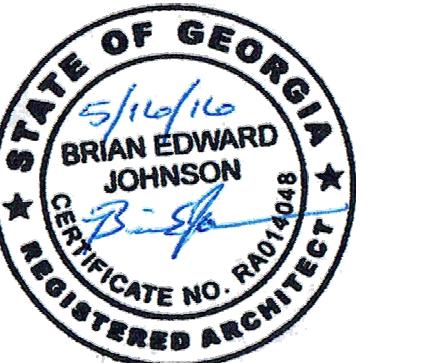
(4) DOOR HEAD - COILING  
3" = 1'-0"



(5) DOOR HEAD - COILING  
3" = 1'-0"



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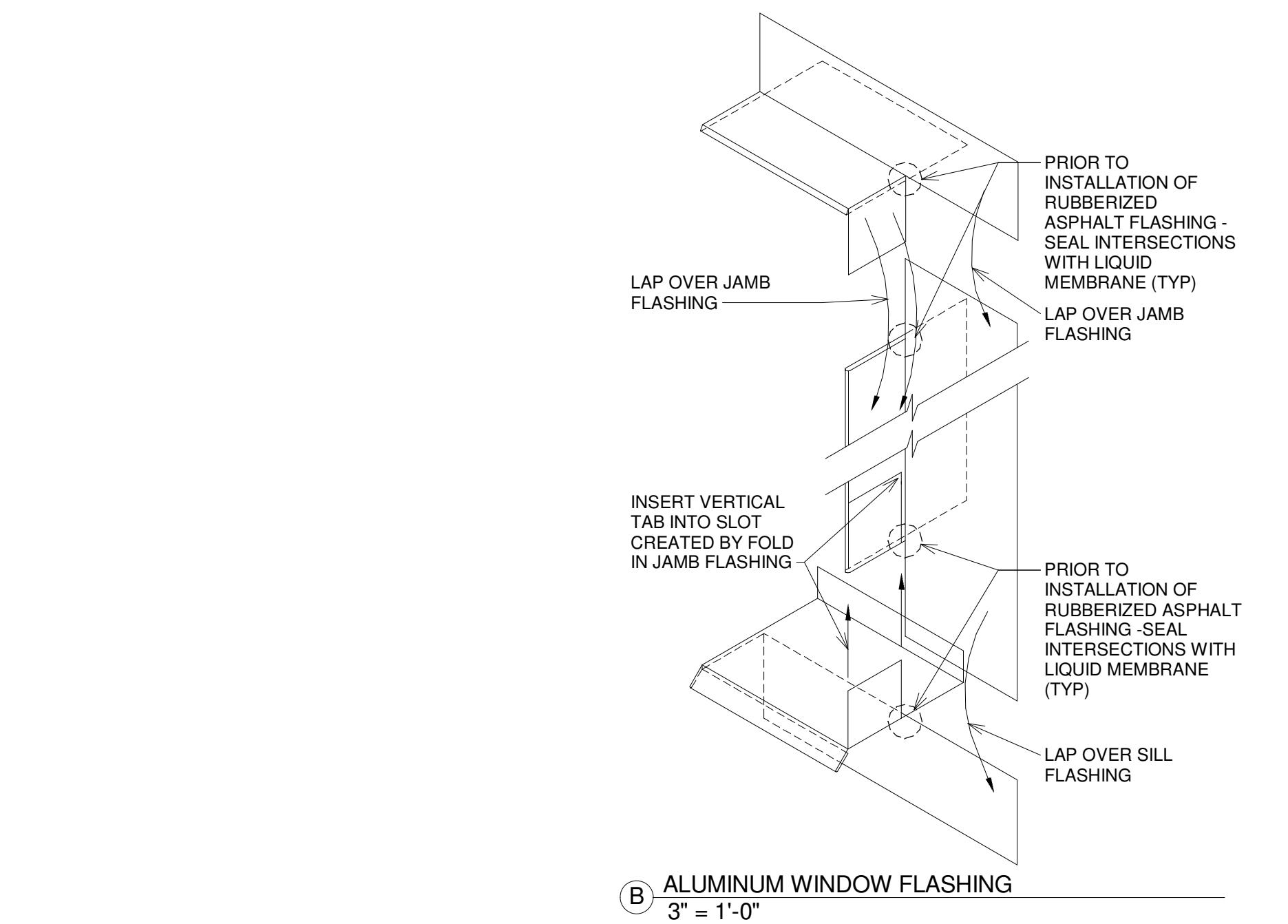
BIBB COUNTY RECREATION DEPARTMENT

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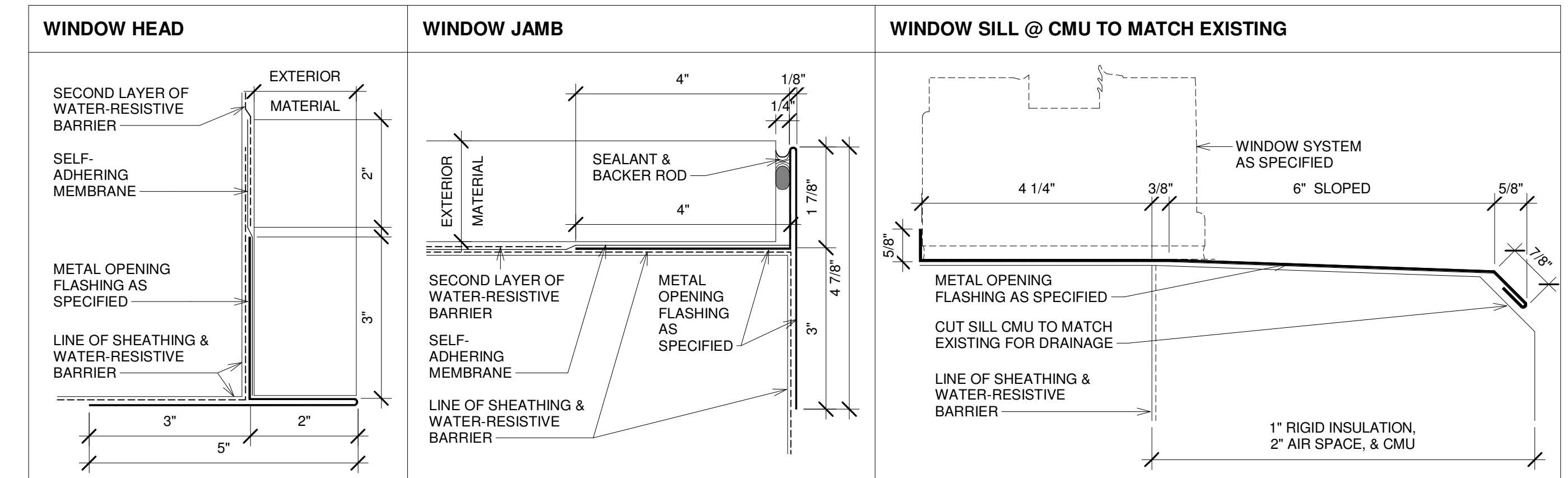
REVISIONS  
# DATE DESCRIPTION

Date: 05/16/2016  
Drawn By: BEJ  
Checked By: CG  
Project Number: 2016-08  
Sheet Name: WINDOW SCHEDULE & DETAILS  
Sheet Number:

A2-3

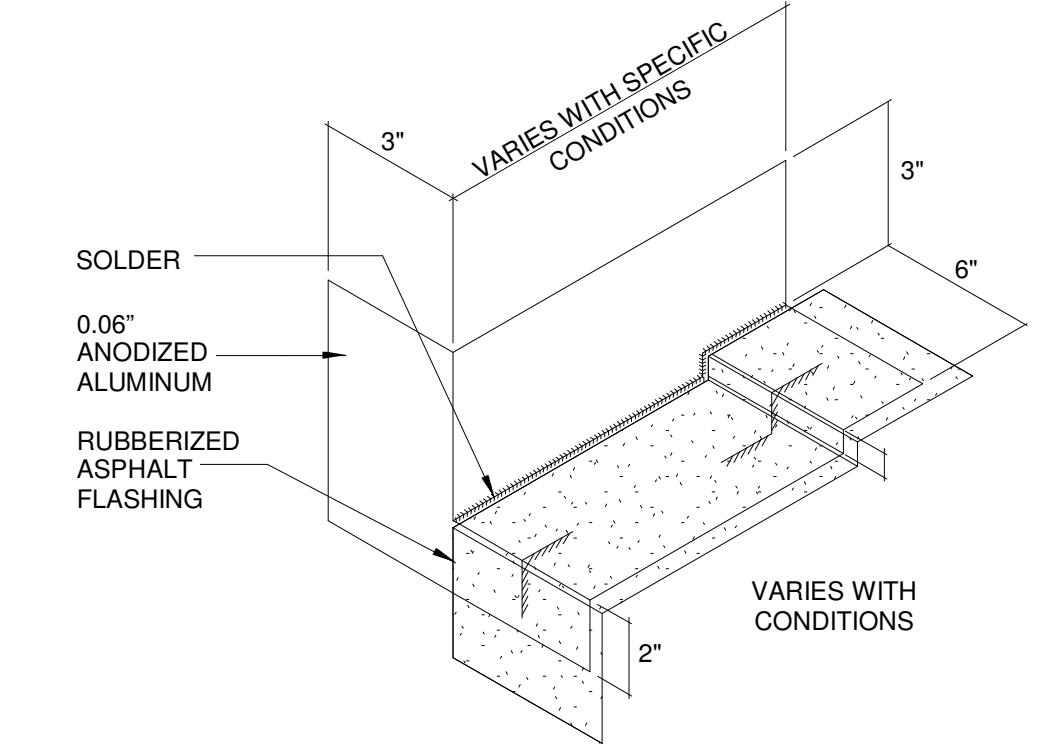


(B) ALUMINUM WINDOW FLASHING  
3" = 1'-0"

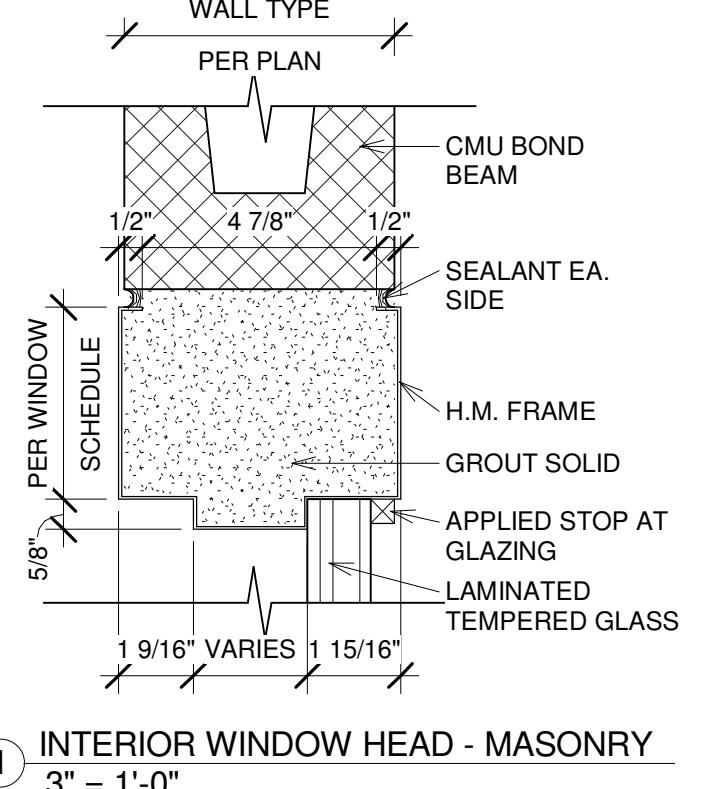


WINDOW FLASHING GENERAL NOTES

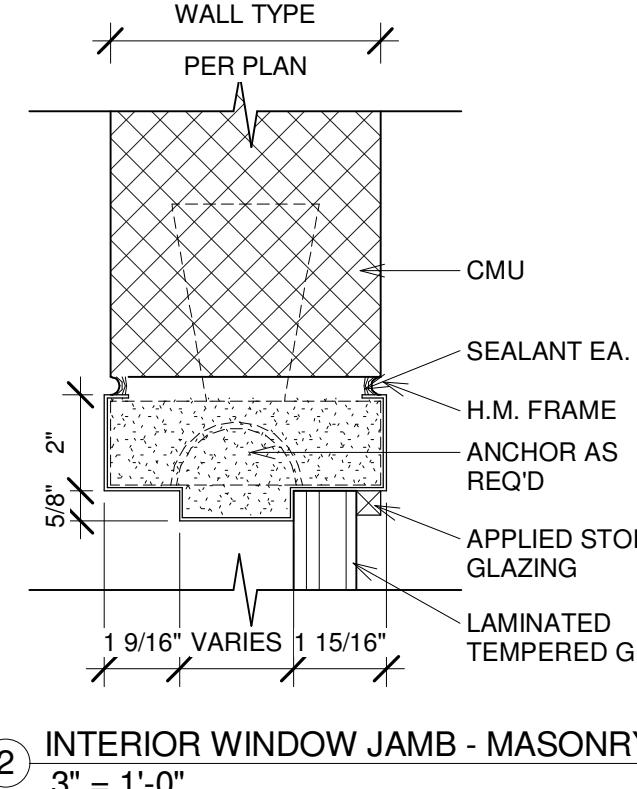
1. PROVIDE 2" LAP DAMS AT ALL OPENINGS AND TERMINATIONS. LAPS BETWEEN PIECES OF METAL FLASHING SHOULD BE FULLY BEDDED IN SEALANT. REMOVE TO HEM FROM TOP PIECE OF FLASHING @ LAPS



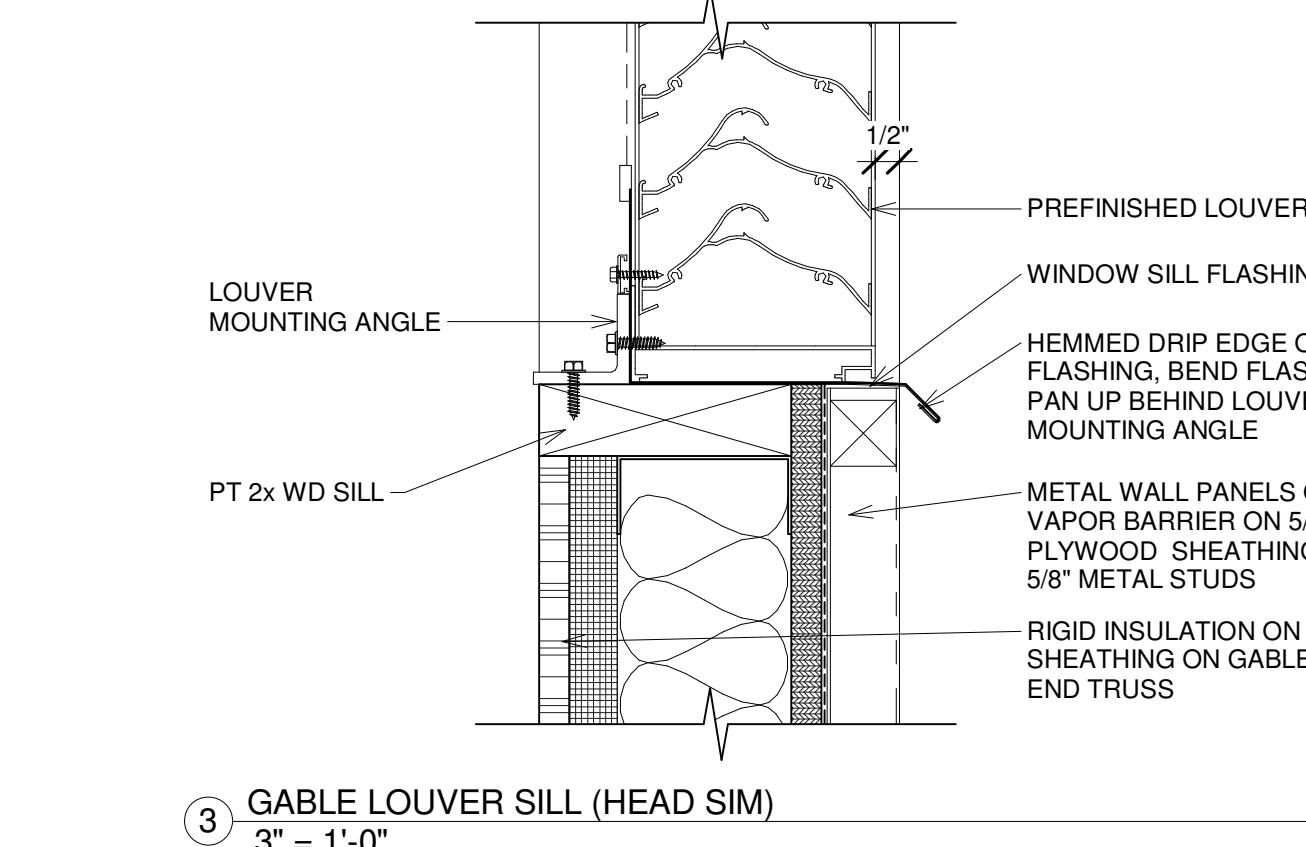
(13) END DAM FLASHING  
3" = 1'-0"



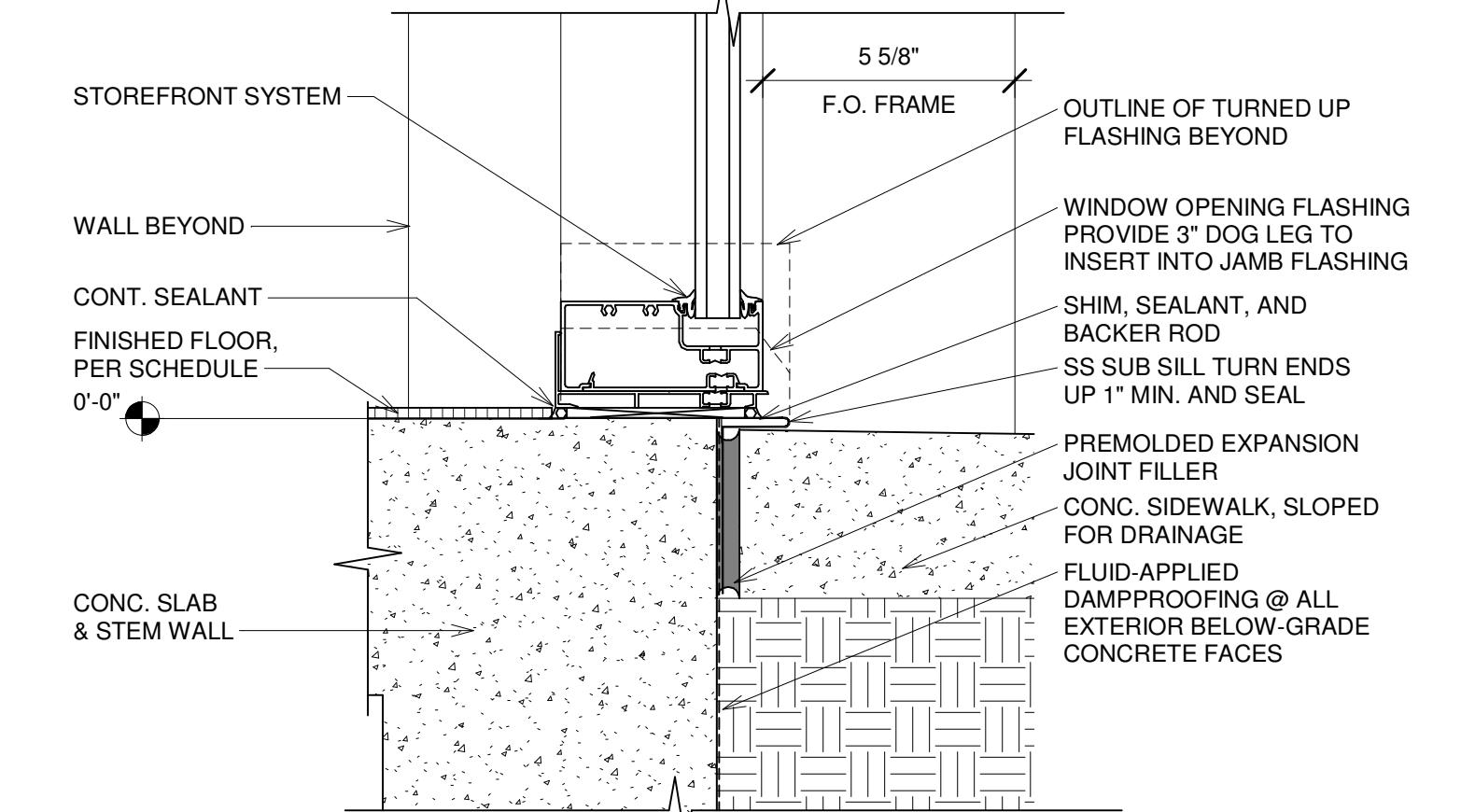
(1) INTERIOR WINDOW HEAD - MASONRY  
3" = 1'-0"



(2) INTERIOR WINDOW JAMB - MASONRY  
3" = 1'-0"



(3) GABLE LOUVER SILL (HEAD SIM)  
3" = 1'-0"



(4) WINDOW SILL - AT GRADE, CONC.  
3" = 1'-0"

## SAFETY GLASS REQUIREMENTS

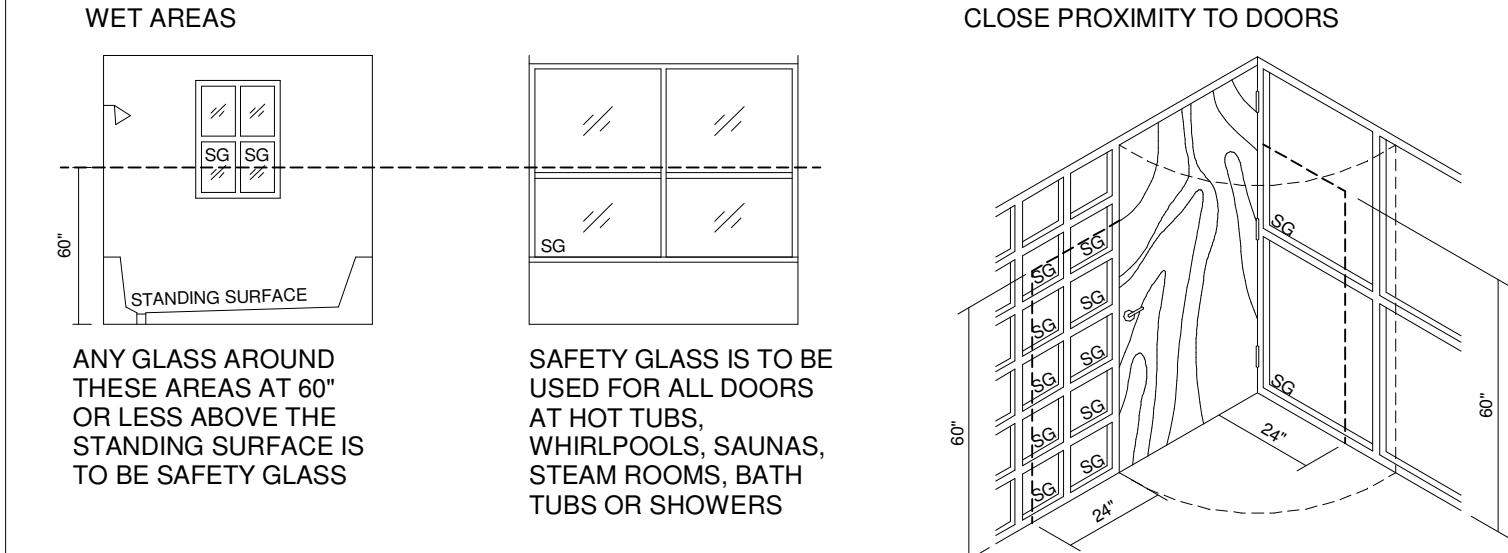
NOTE: NOT ALL CONDITIONS SHOWN BELOW ARE APPLICABLE TO THE SCOPE OF WORK.

### Glass Schedule

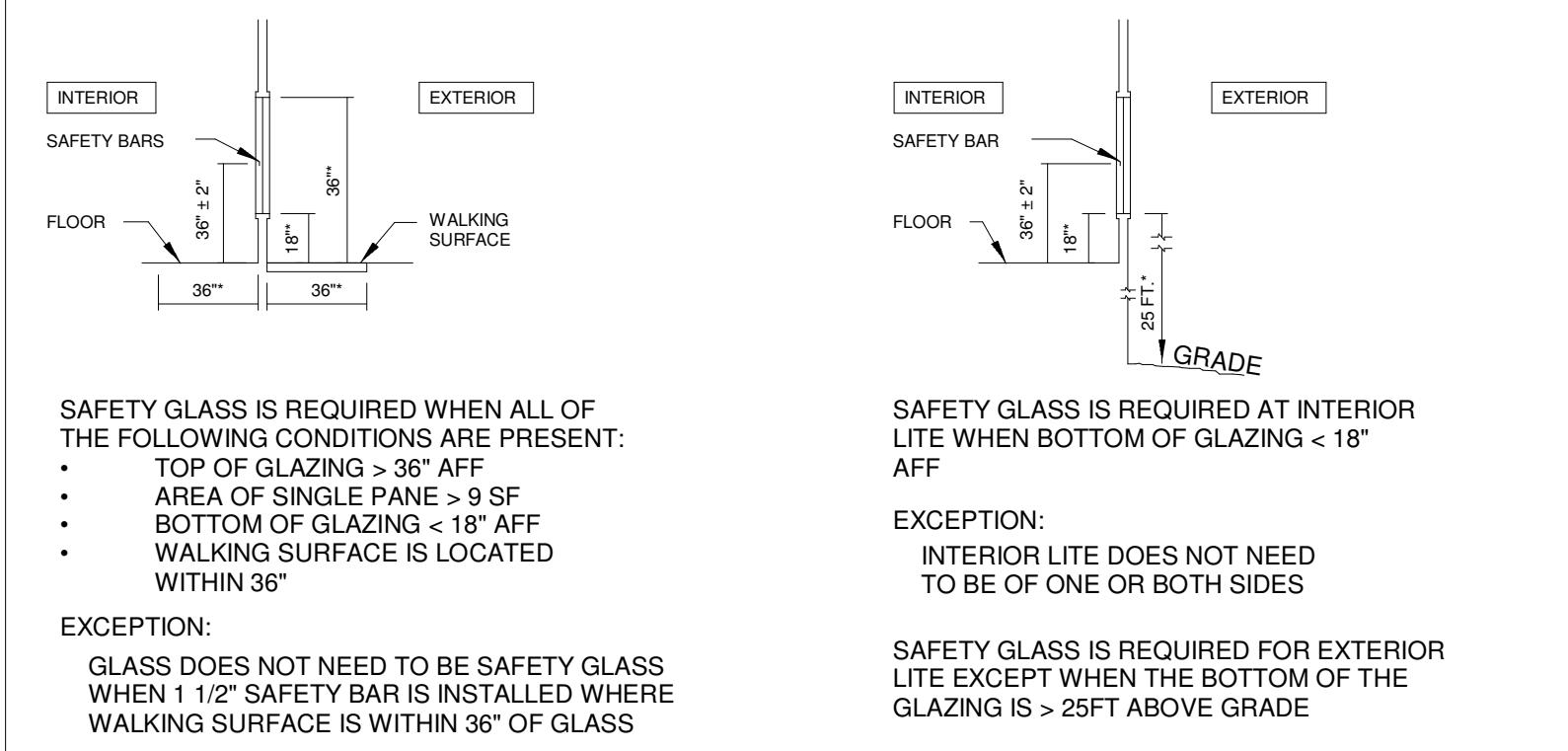
GLASS PRODUCT SCHEDULE FOR WALLS AND DOORS	
NP - NOT PERMITTED	A - ACCEPTABLE
A - ACCEPTABLE	NR - NOT RECOMMENDED
NR - NOT RECOMMENDED	FIRE-RATED
	SAFETY GLASS REQUIRED
	SAFETY NOT REQUIRED
	SAFETY REQUIRED
	NP NP A NP A NR
	A A A A A NR
	NP NP A A NR

NOTE: THE MAXIMUM AREA OF ANY SINGLE PANE OF WIRE GLASS IS 1.296 SQ IN.

### Safety Glazing (SG) is Required For

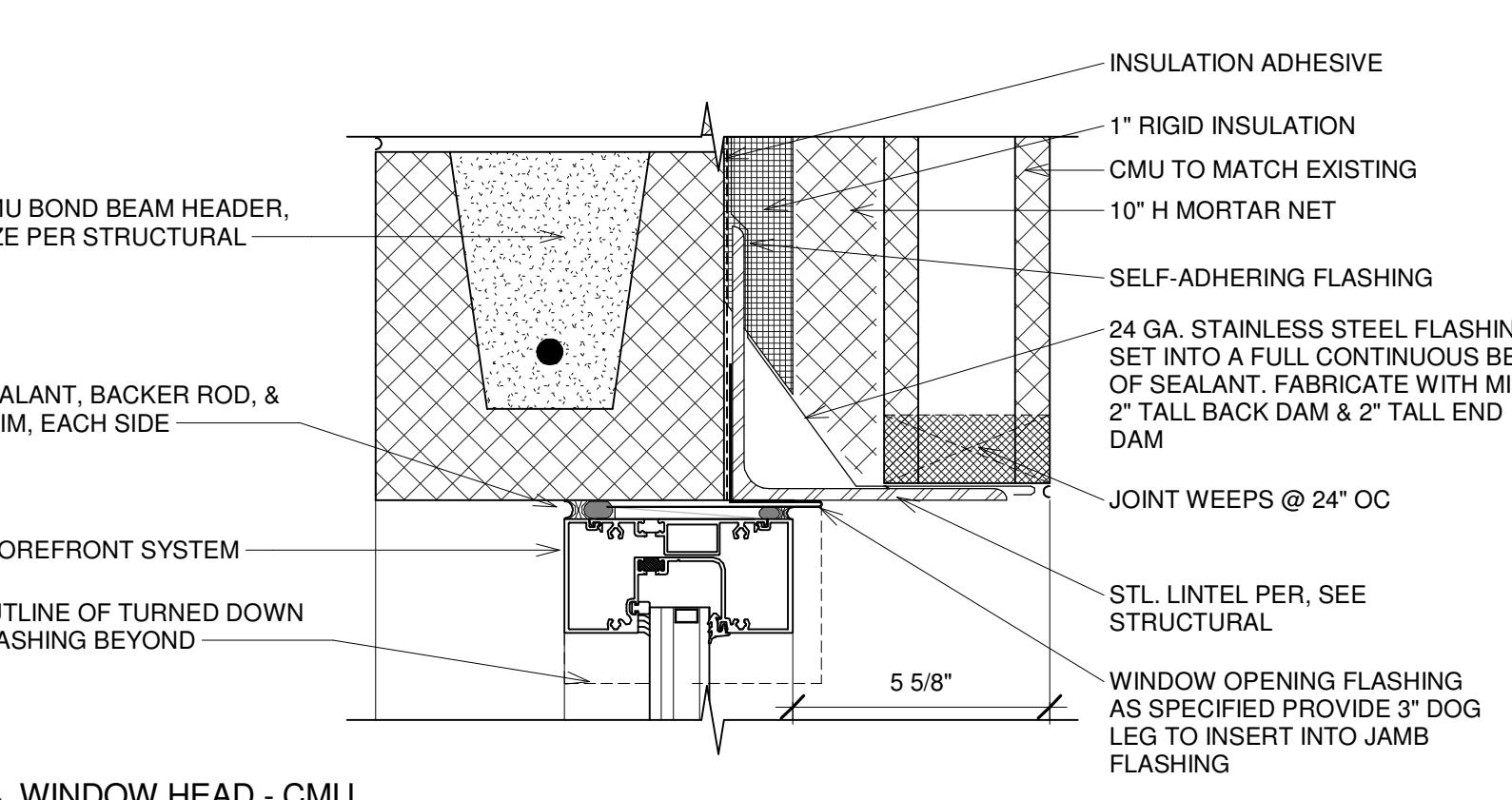


### Glazed Openings in Partitions

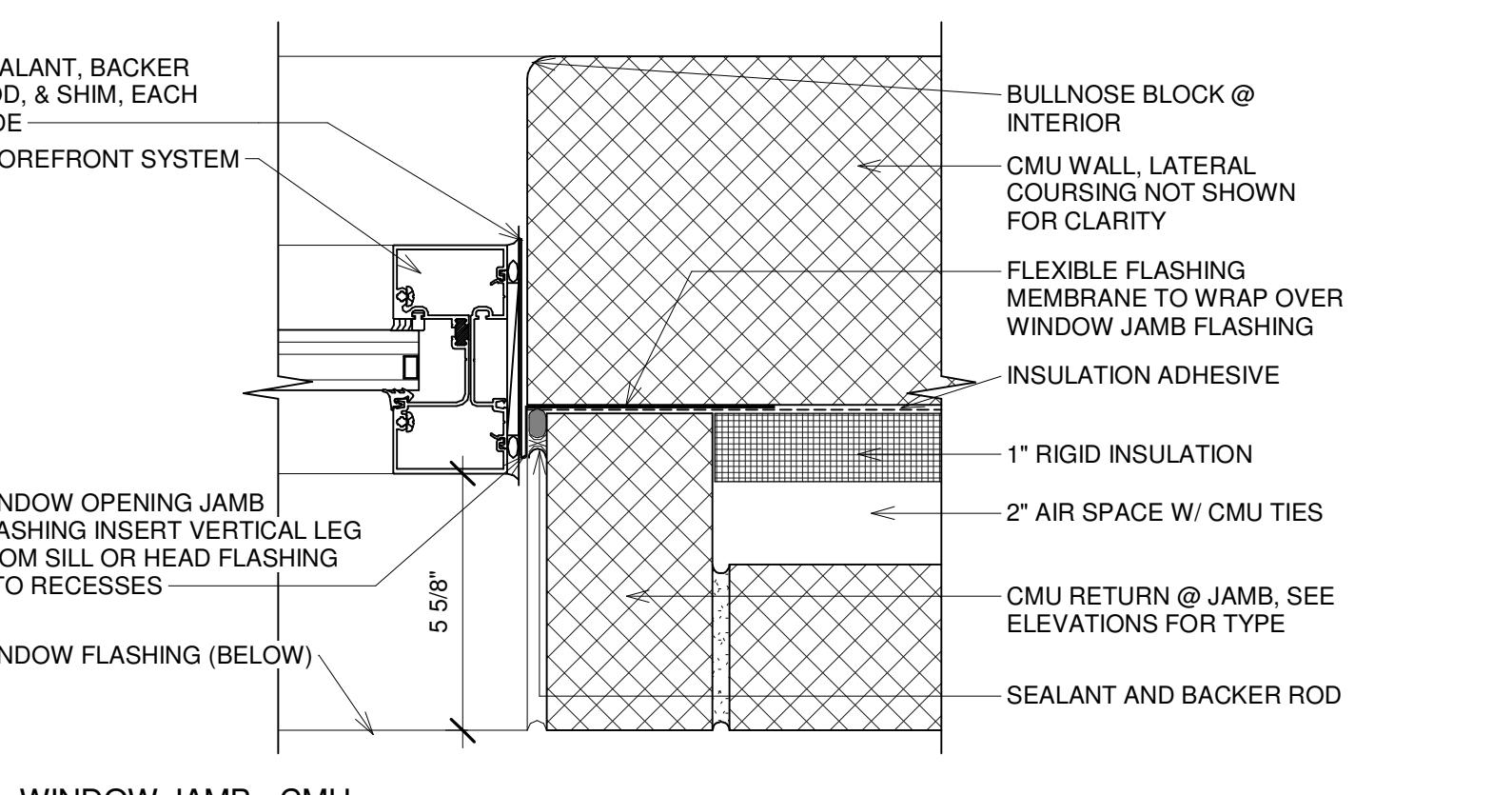


### Legend - Safety Glazing

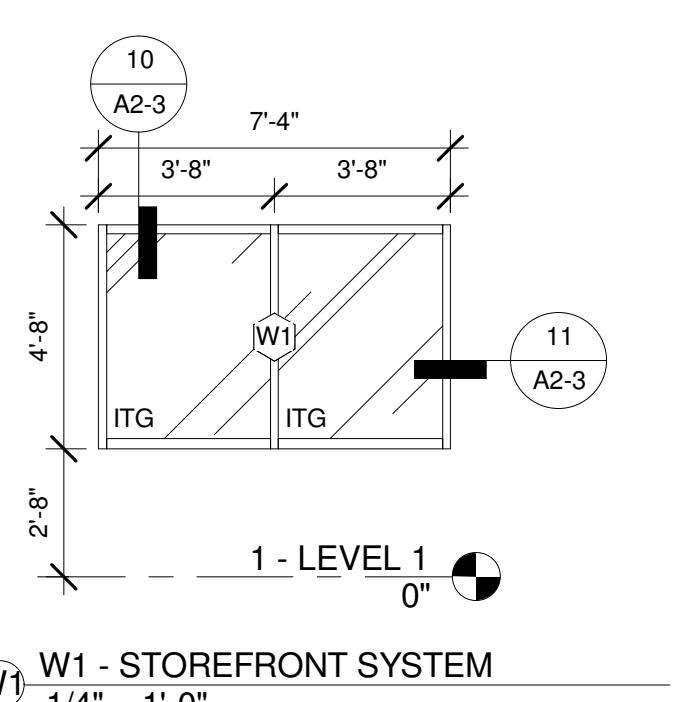
1/4" = 1'-0"



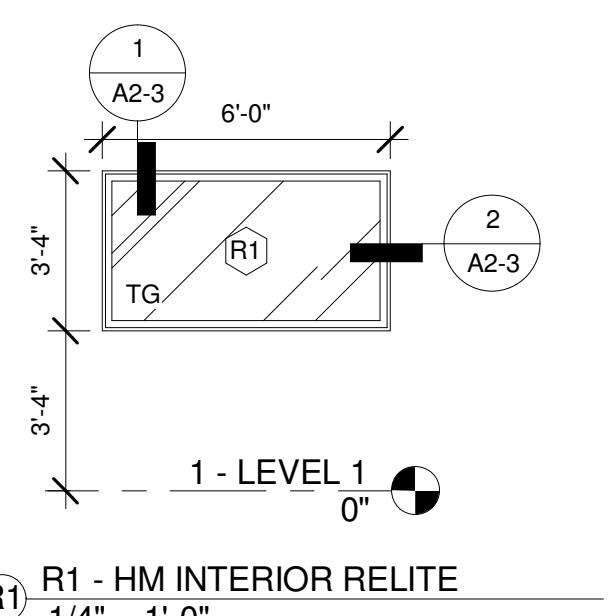
(10) WINDOW HEAD - CMU  
3" = 1'-0"



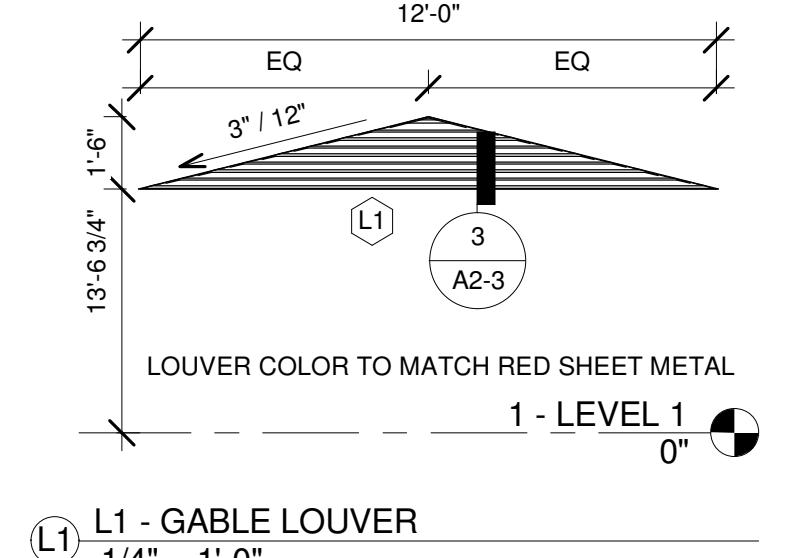
(11) WINDOW JAMB - CMU  
3" = 1'-0"



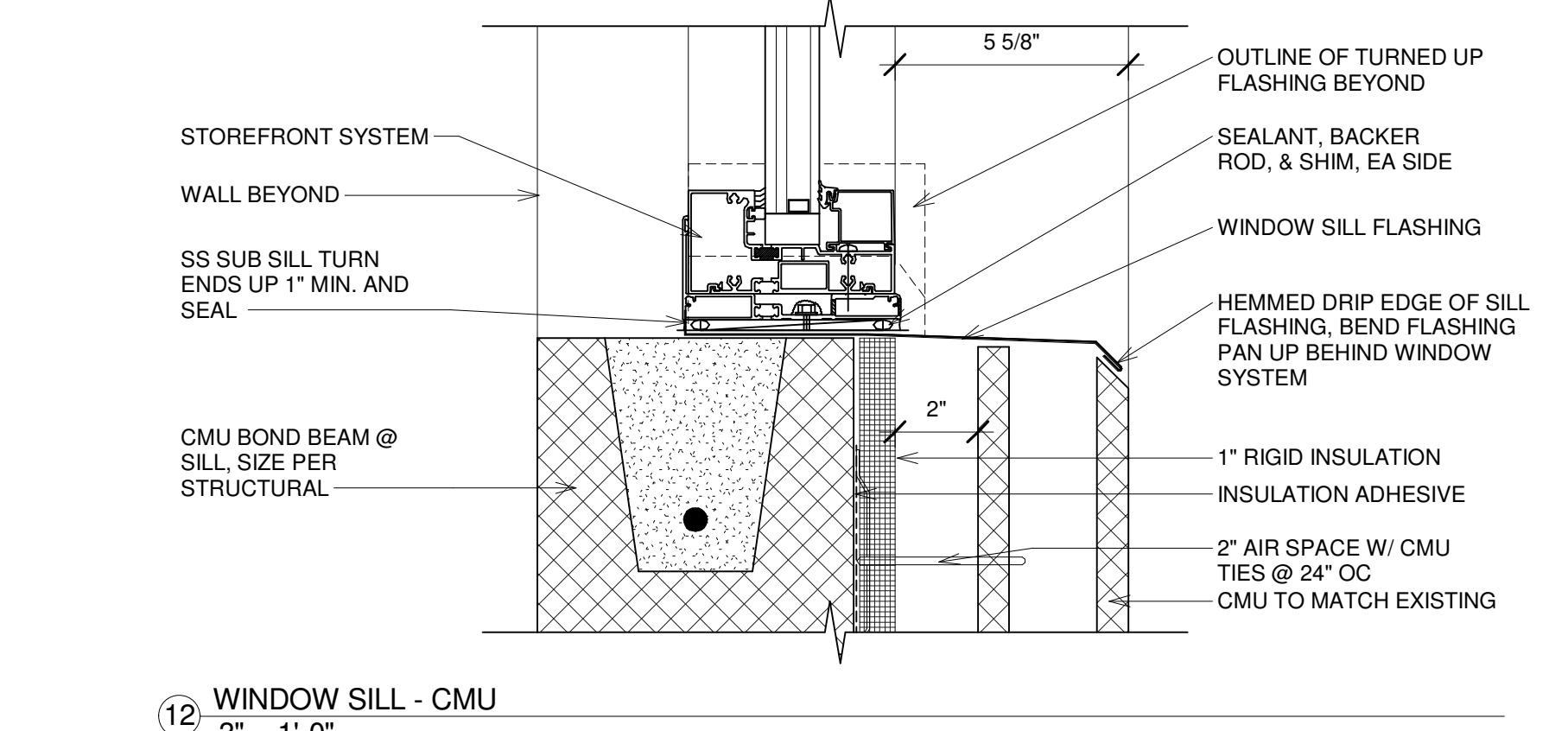
W1 W1 - STOREFRONT SYSTEM  
1/4" = 1'-0"



R1 R1 - HM INTERIOR RELITE  
1/4" = 1'-0"



L1 L1 - GABLE LOUVER  
1/4" = 1'-0"



(12) WINDOW SILL - CMU  
3" = 1'-0"



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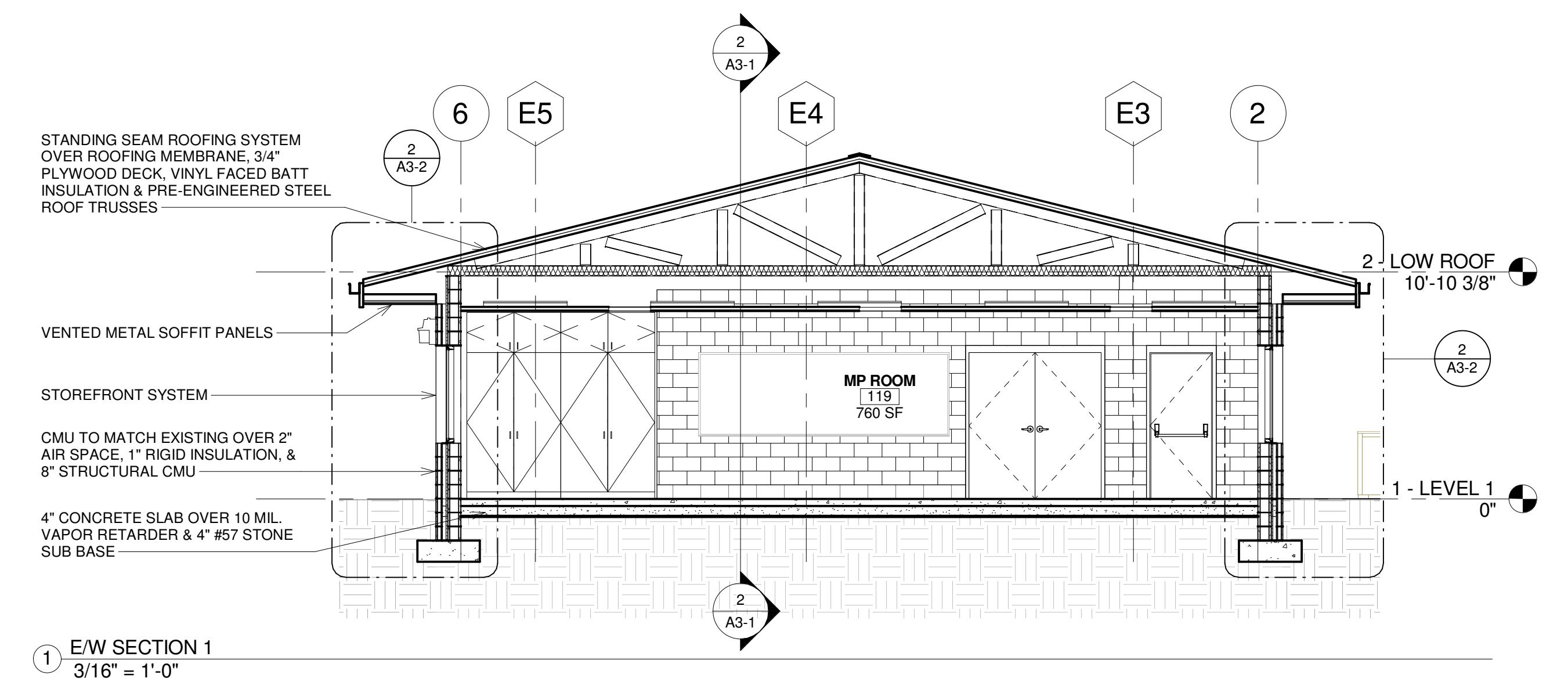
815 N MACON PARK DR  
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REVISIONS  
# DATE DESCRIPTION

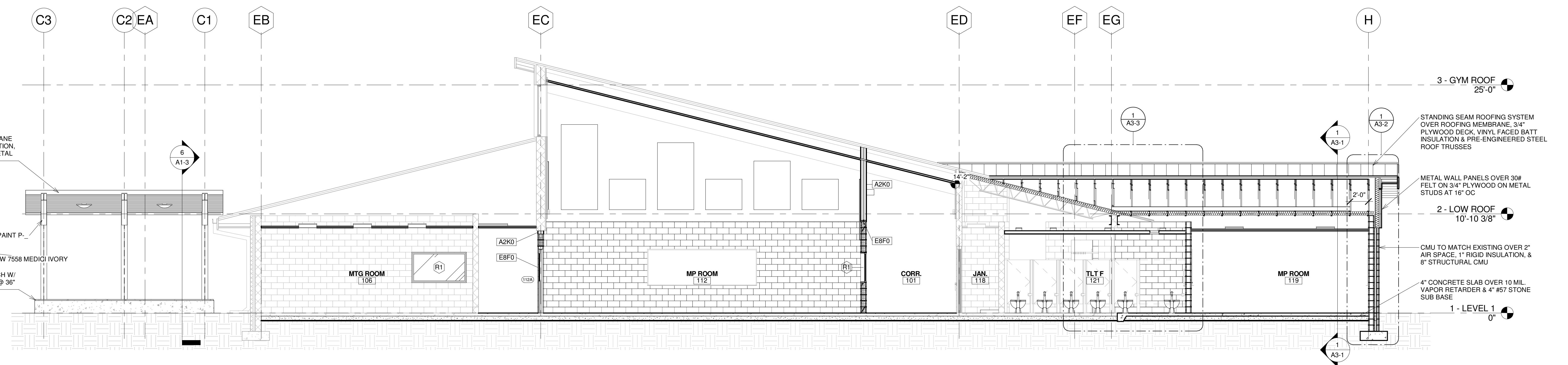
Date:	05/16/2016
Drawn By:	BEJ/SP
Checked By:	CG
Project Number:	2016-08
Sheet Name:	<b>BUILDING SECTIONS</b>

Sheet Number:

**A3-1**



① E/W SECTION 1  
3/16" = 1'-0"



② N/S SECTION 1  
3/16" = 1'-0"



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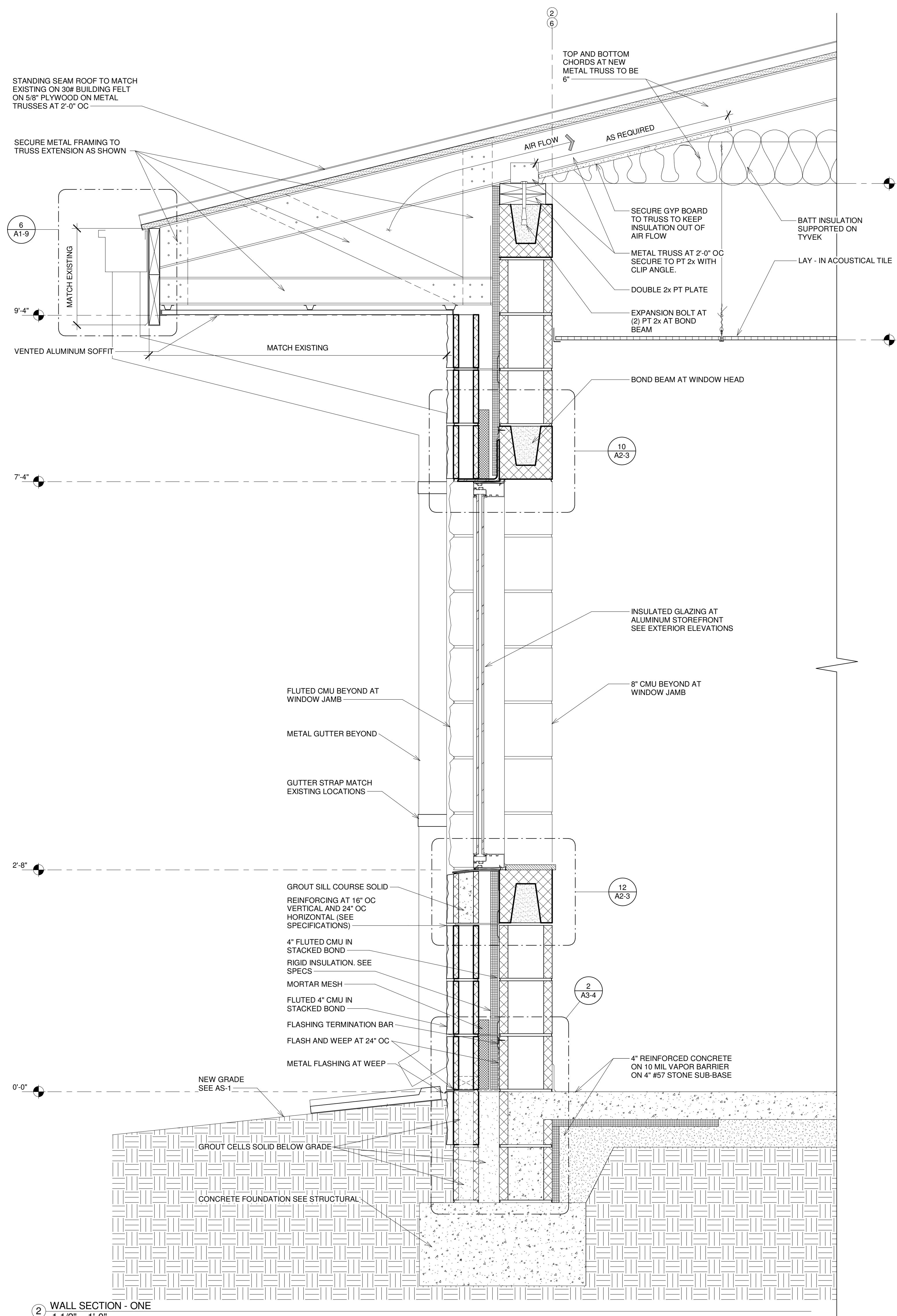
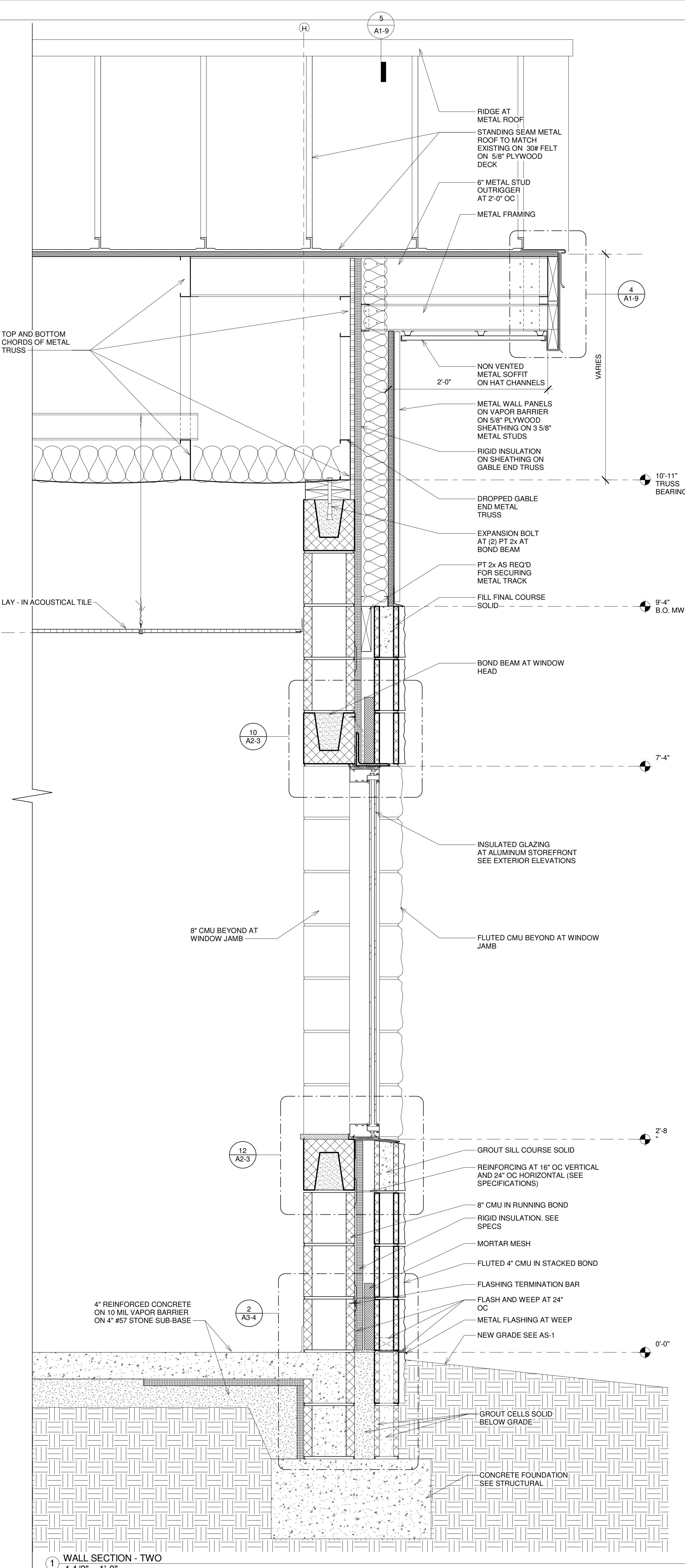
## REVISIONS

DATE	DESCRIPTION
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te:	05/16/2016
awn By:	SP
ecked By:	CG
ject Number:	2016-08
heet Name:	
<b>ALL SECTIONS</b>	

Sheet Number:

# A3-2





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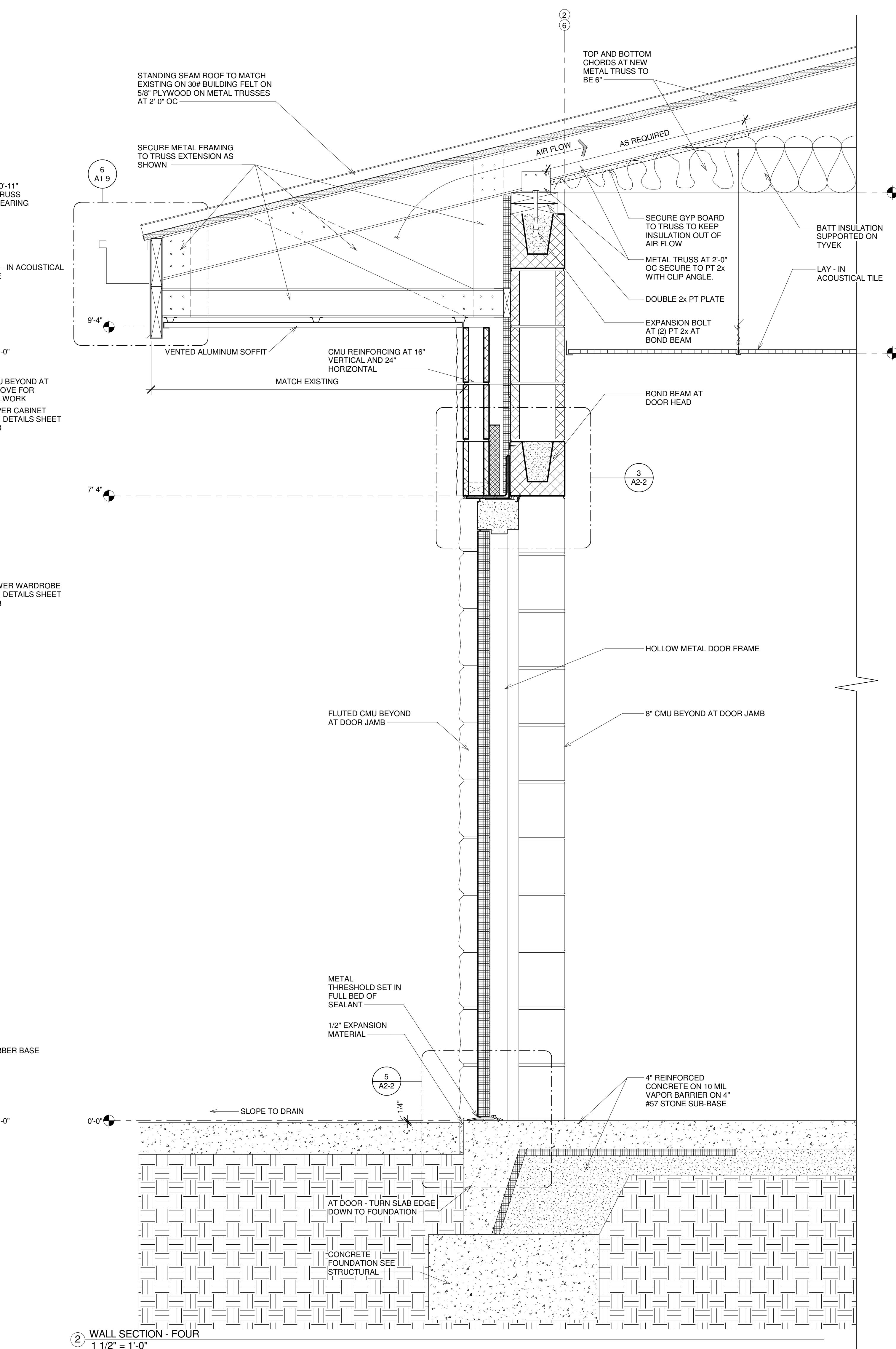
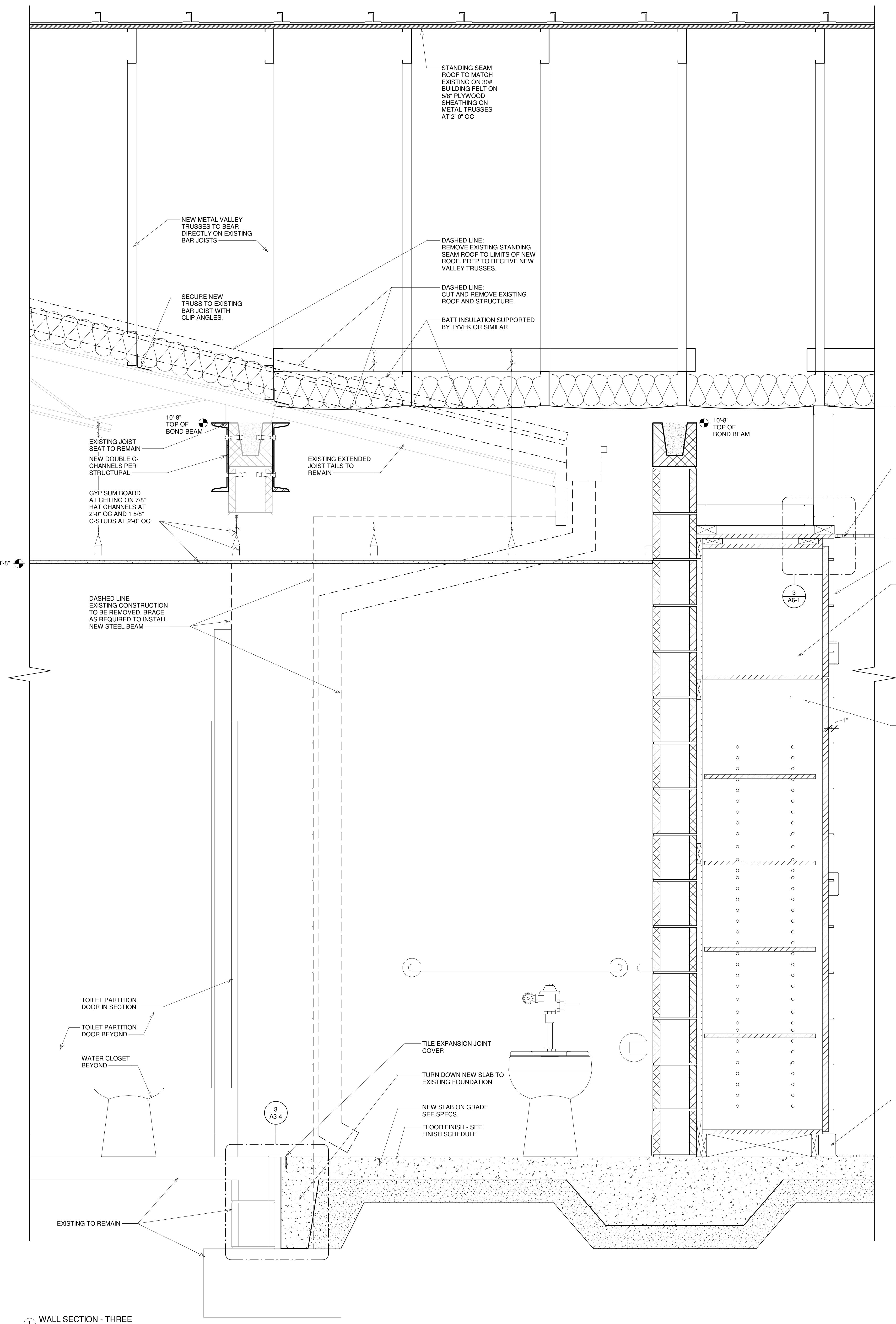
815 N MACON PARK DR  
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REVISIONS  
# DATE DESCRIPTION

Date: 05/16/2016  
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Checked By: CG  
Project Number: 2016-08  
Sheet Name: WALL SECTIONS

Sheet Number:

A3-3





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### REVISIONS

# DATE DESCRIPTION

Date: 05/16/2016

Drawn By: SP

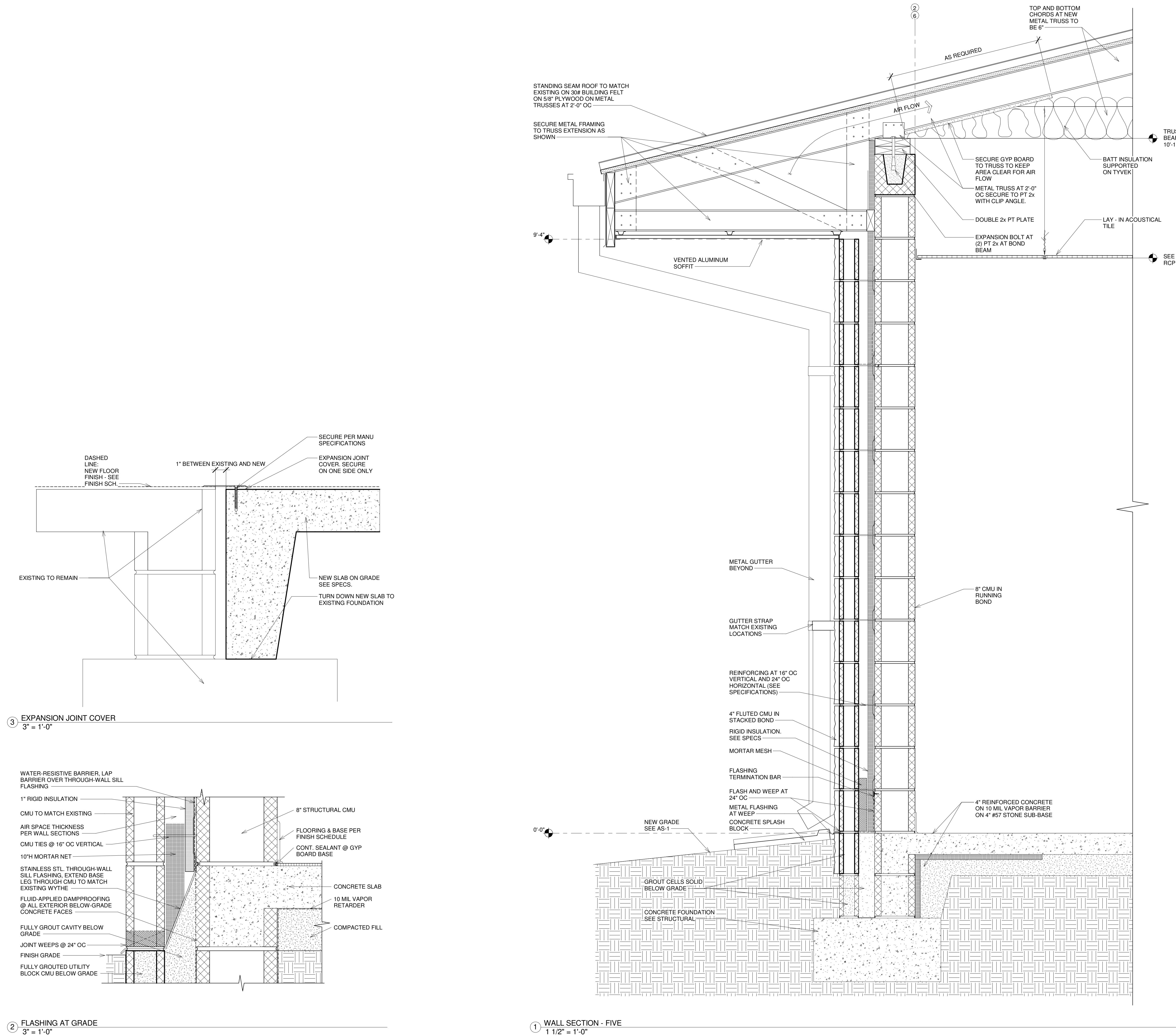
Checked By: CG

Project Number: 2016-08

Sheet Name:  
**WALL SECTIONS**

Sheet Number:

**A3-4**







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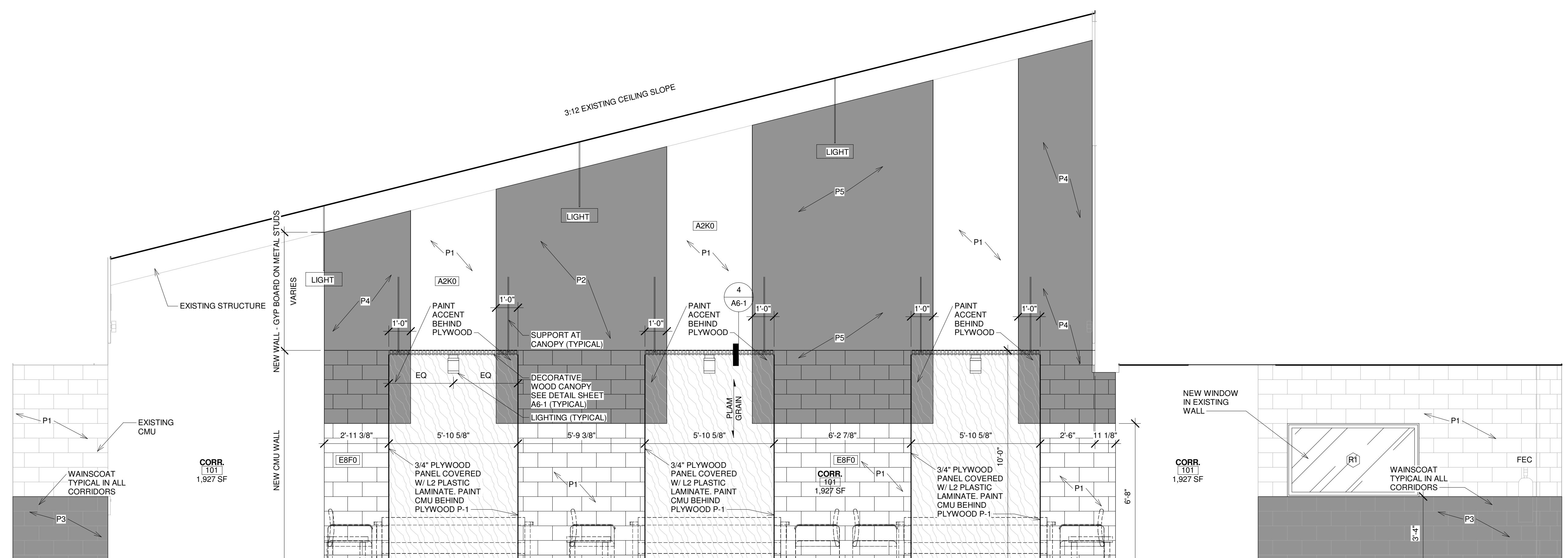
815 N MACON PARK DR  
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REVISIONS  
# DATE DESCRIPTION

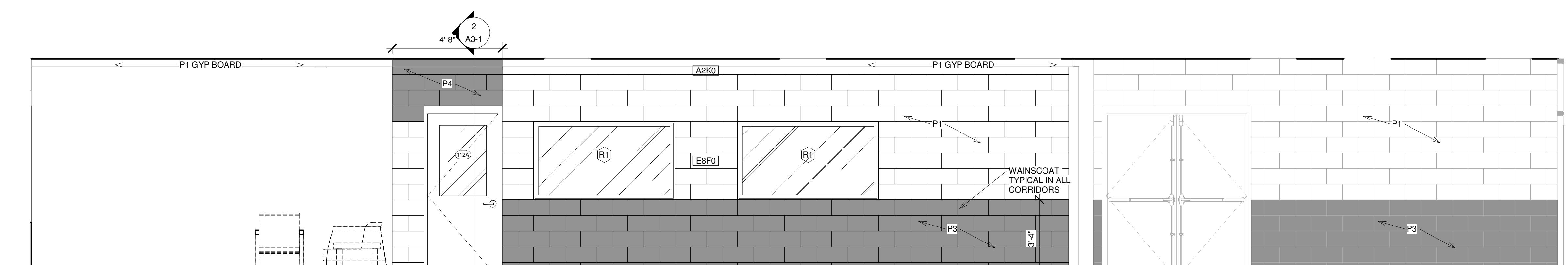
Date: 05/16/2016  
Drawn By: CN  
Checked By: CG  
Project Number: 2016-08  
Sheet Name: INTERIOR ELEVATIONS

Sheet Number:

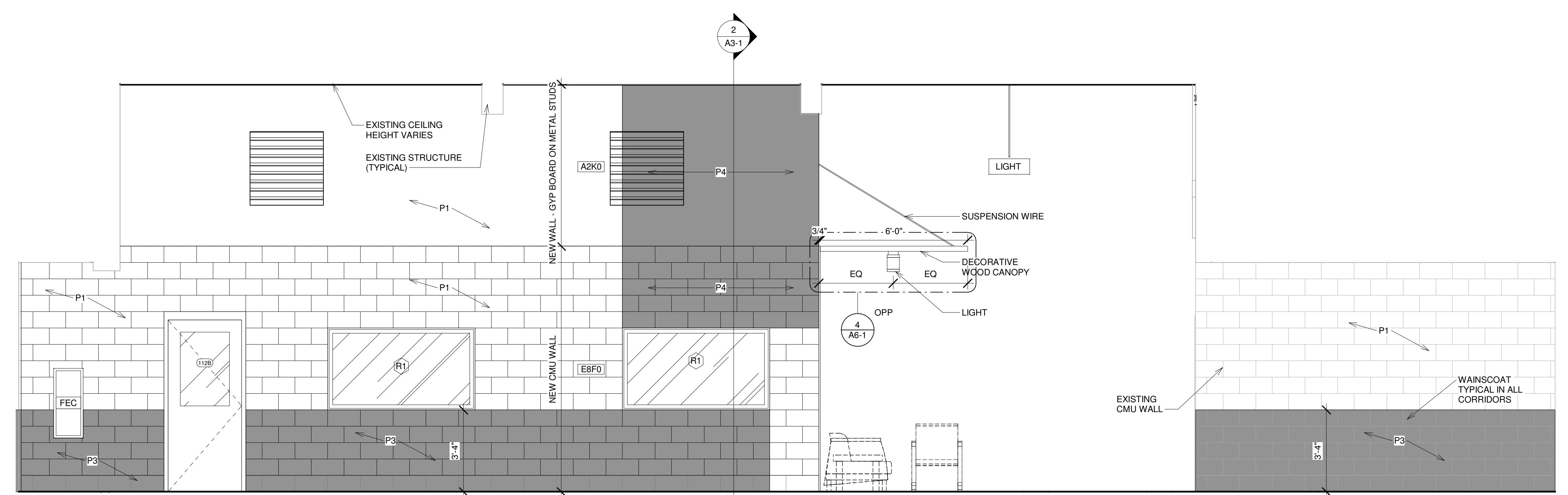
A5-1



① 105 GATHERING AREA  
3/8" = 1'-0"



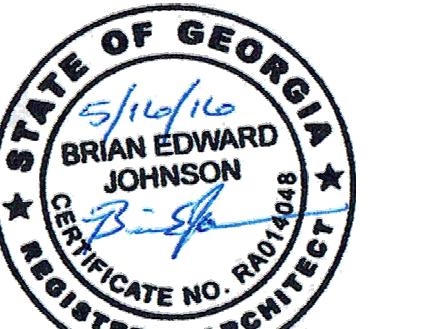
② SOUTH CORRIDOR ELEVATION  
3/8" = 1'-0"



③ NORTH CORRIDOR ELEVATION  
3/8" = 1'-0"



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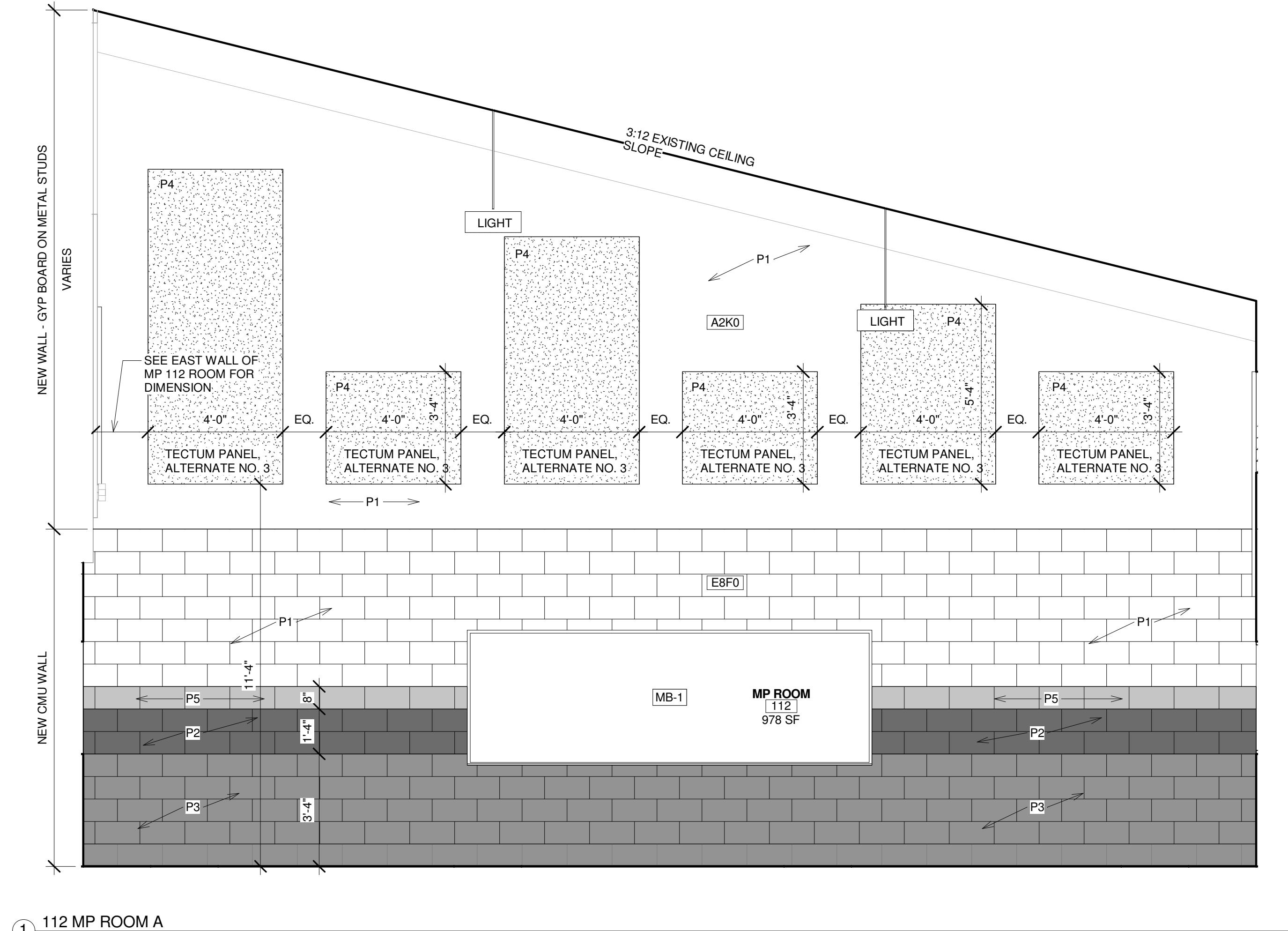
815 N MACON PARK DR  
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REVISIONS  
# DATE DESCRIPTION

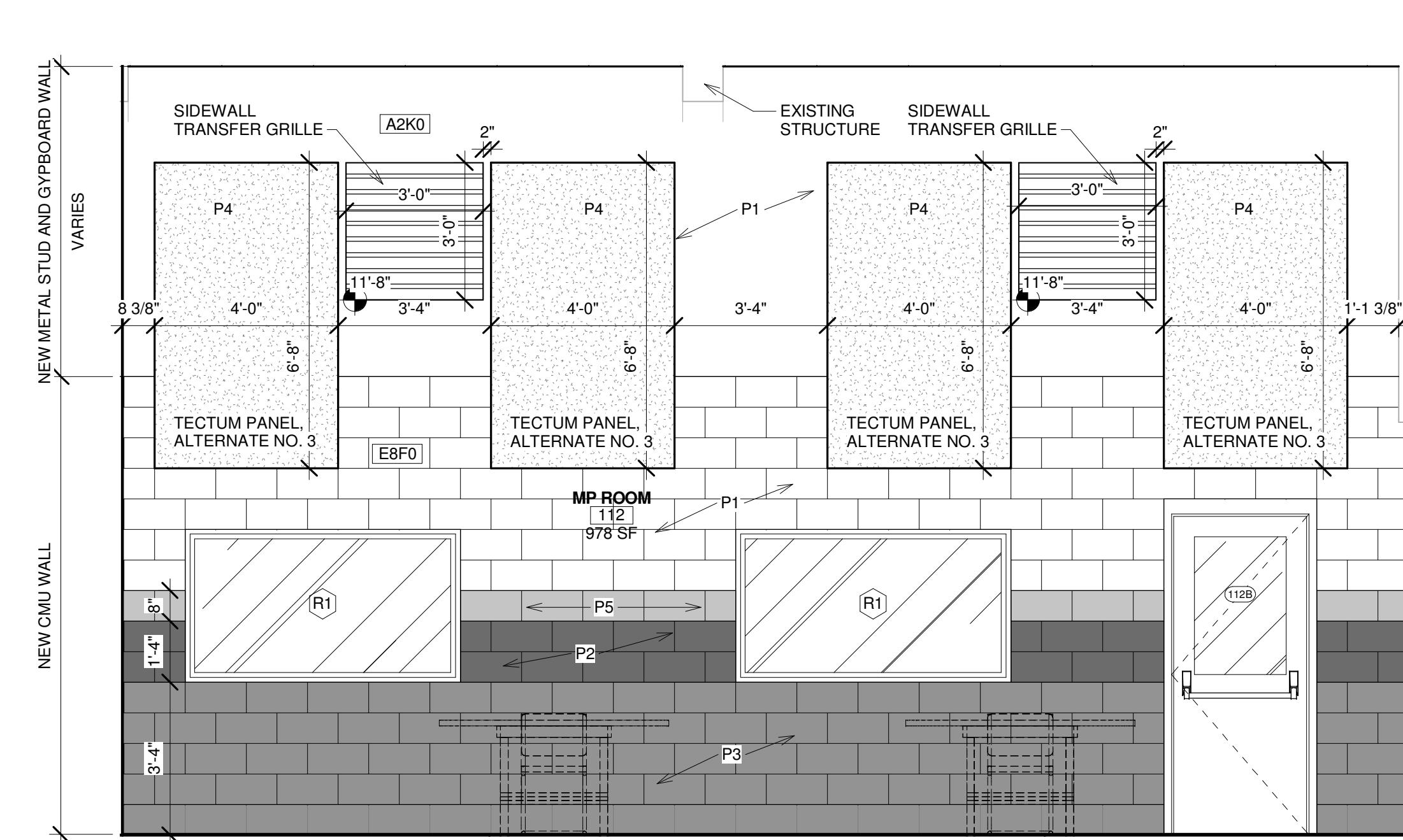
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Drawn By: CN  
Checked By: CG  
Project Number: 2016-08  
Sheet Name: INTERIOR ELEVATIONS

Sheet Number:

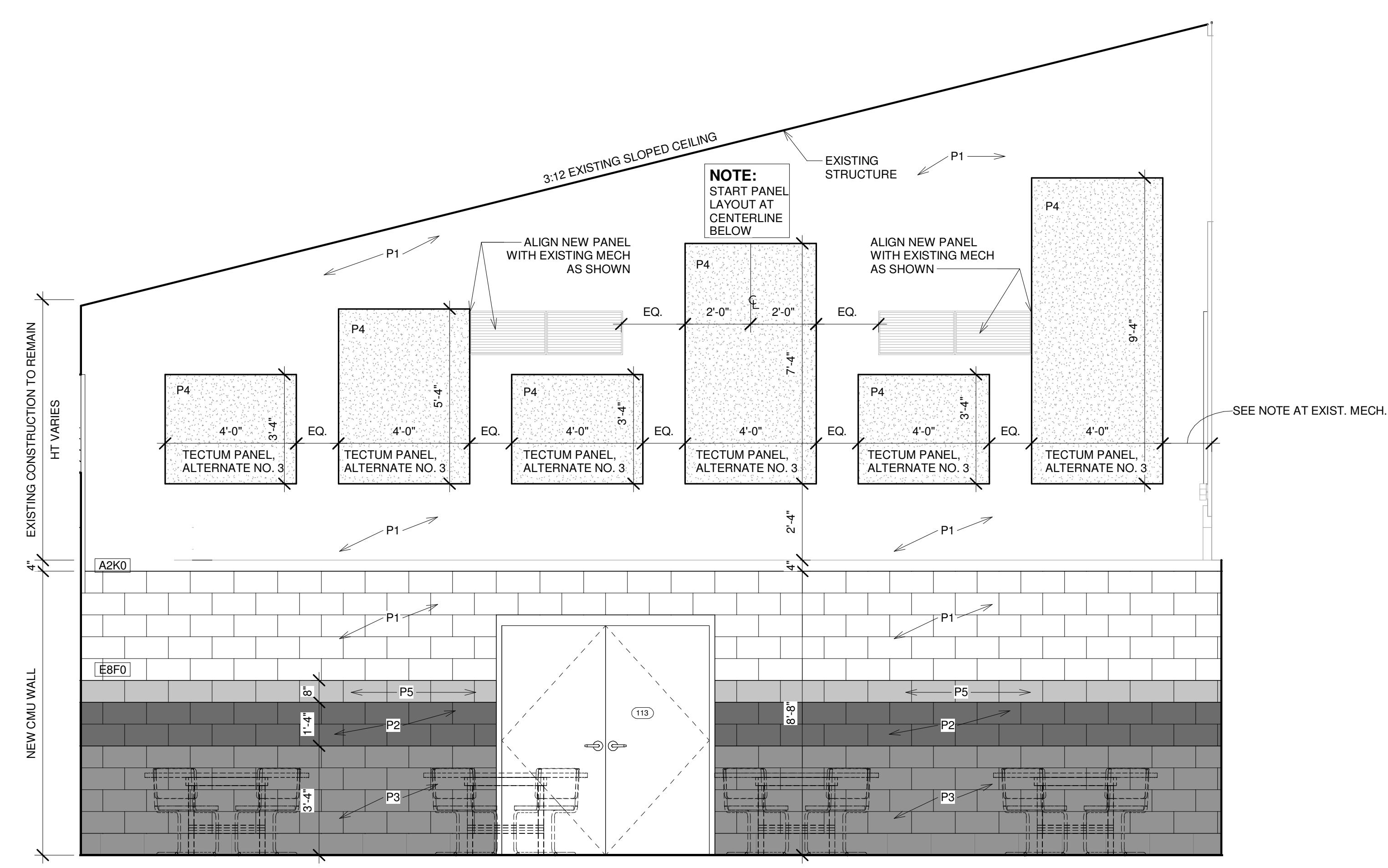
A5-2



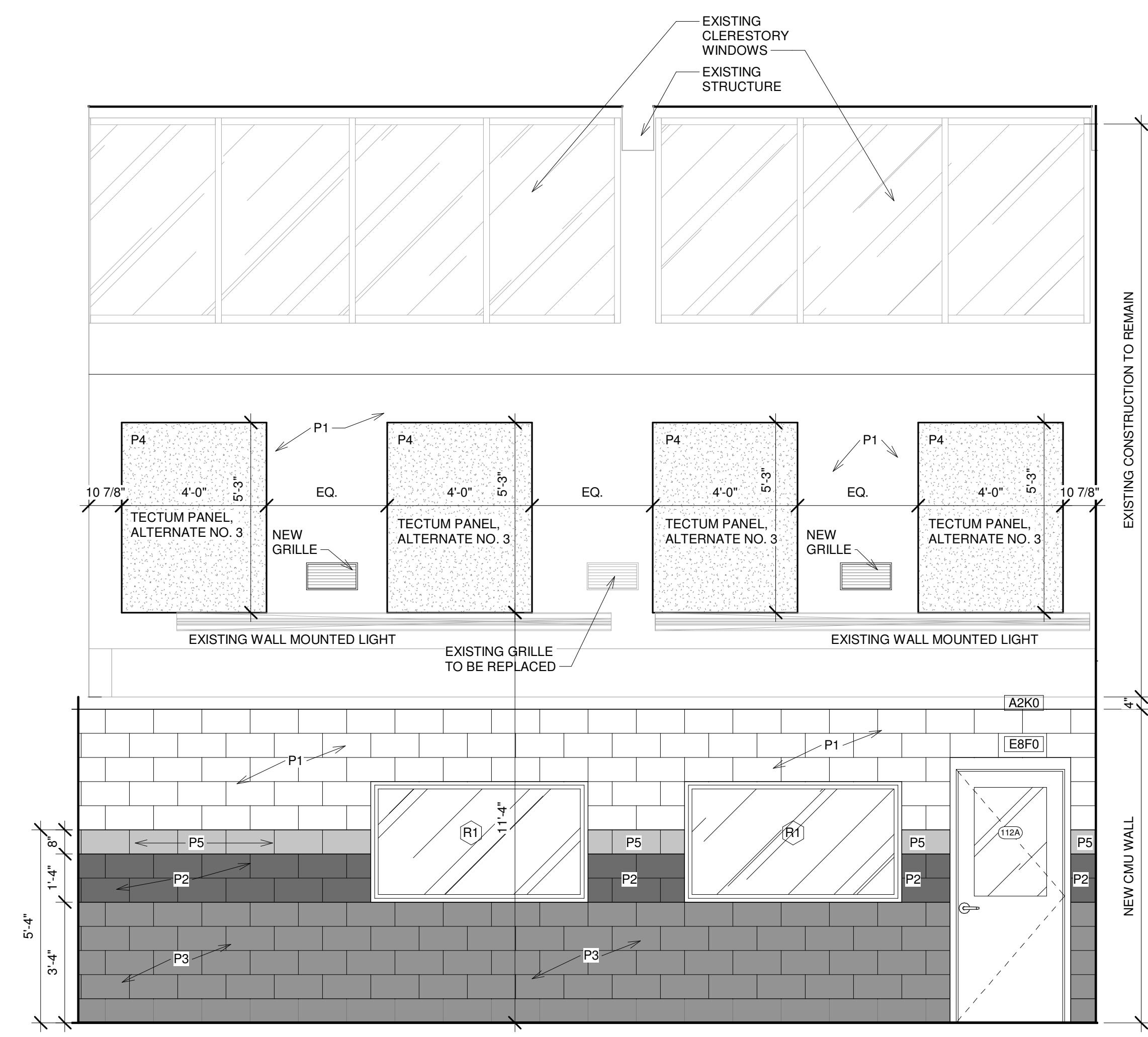
① 112 MP ROOM A  
3/8" = 1'-0"



② 112 MP ROOM B  
3/8" = 1'-0"



③ 112 MP ROOM C  
3/8" = 1'-0"



④ 112 MP ROOM D  
3/8" = 1'-0"



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
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REVISIONS  
# DATE DESCRIPTION

Date: 05/16/2016  
Drawn By: CN  
Checked By: CG  
Project Number: 2016-08  
Sheet Name: INTERIOR ELEVATIONS

Sheet Number:

A5-3





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# DATE DESCRIPTION

Date: 05/16/2016  
Drawn By: CN/SP  
Checked By: CG  
Project Number: 2016-08  
Sheet Name: CASEWORK DETAILS

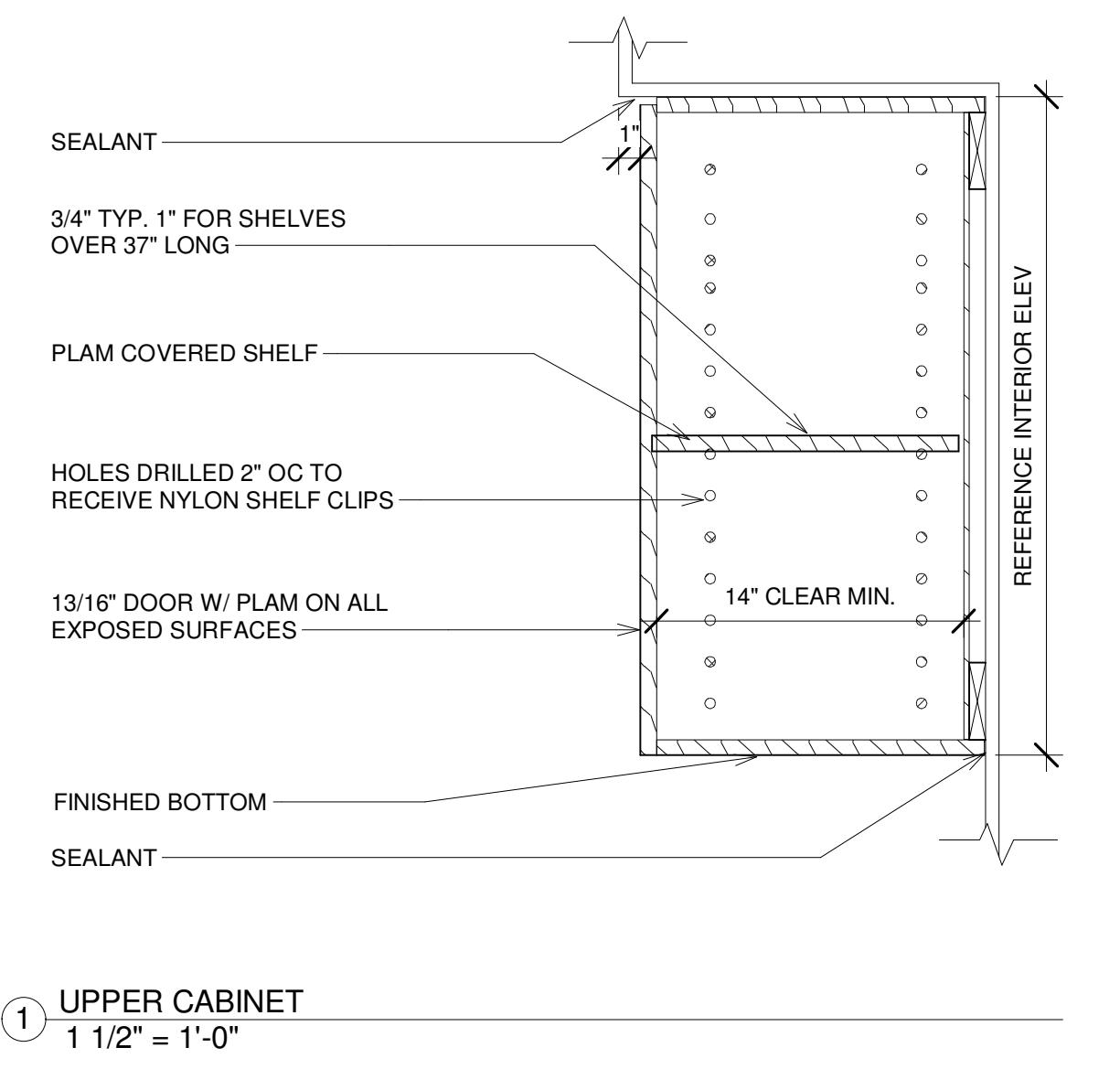
Sheet Number:

A5-4

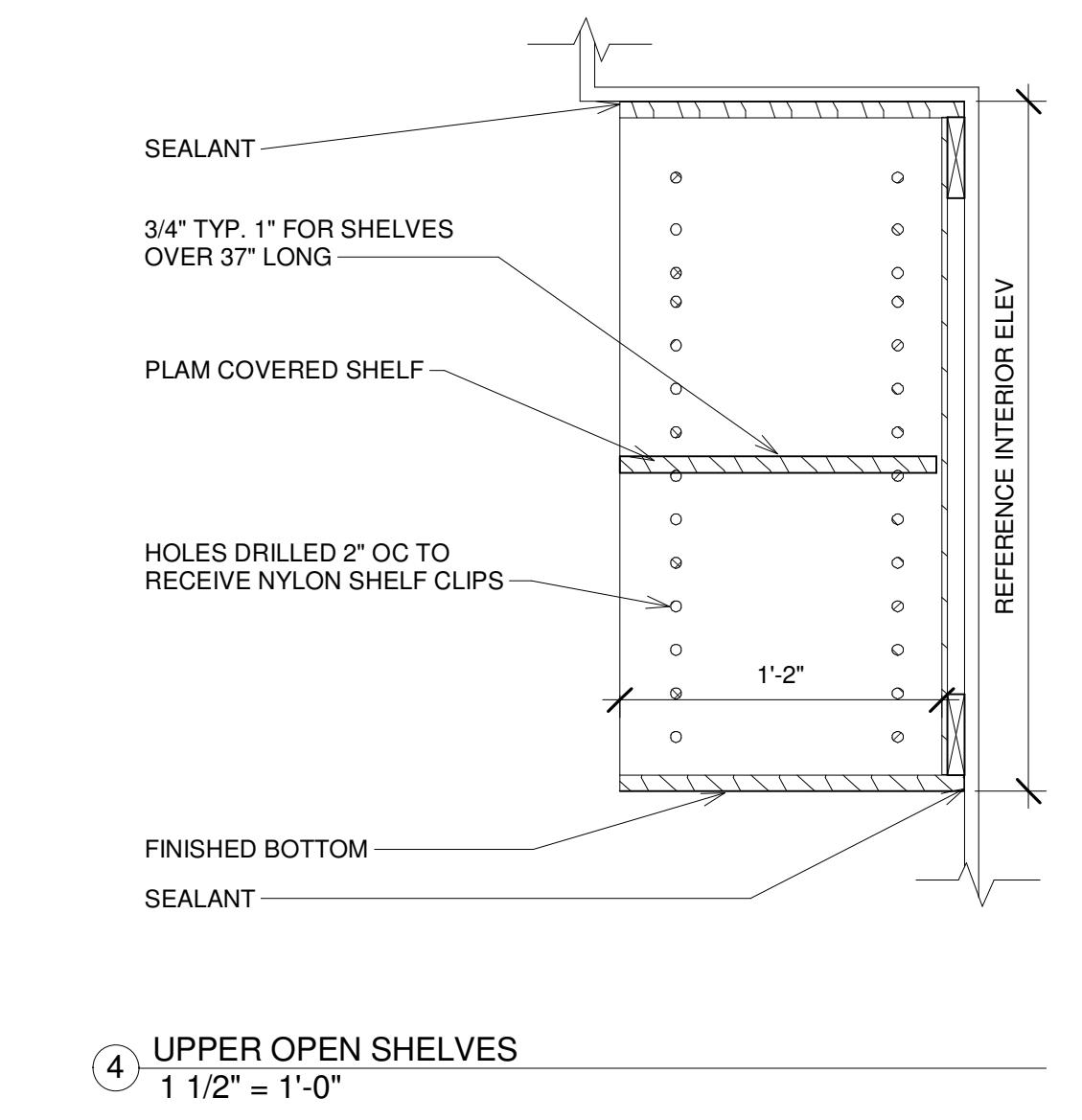
CONSTRUCTION DOCUMENTS

5/16/2016 4:08:00 PM

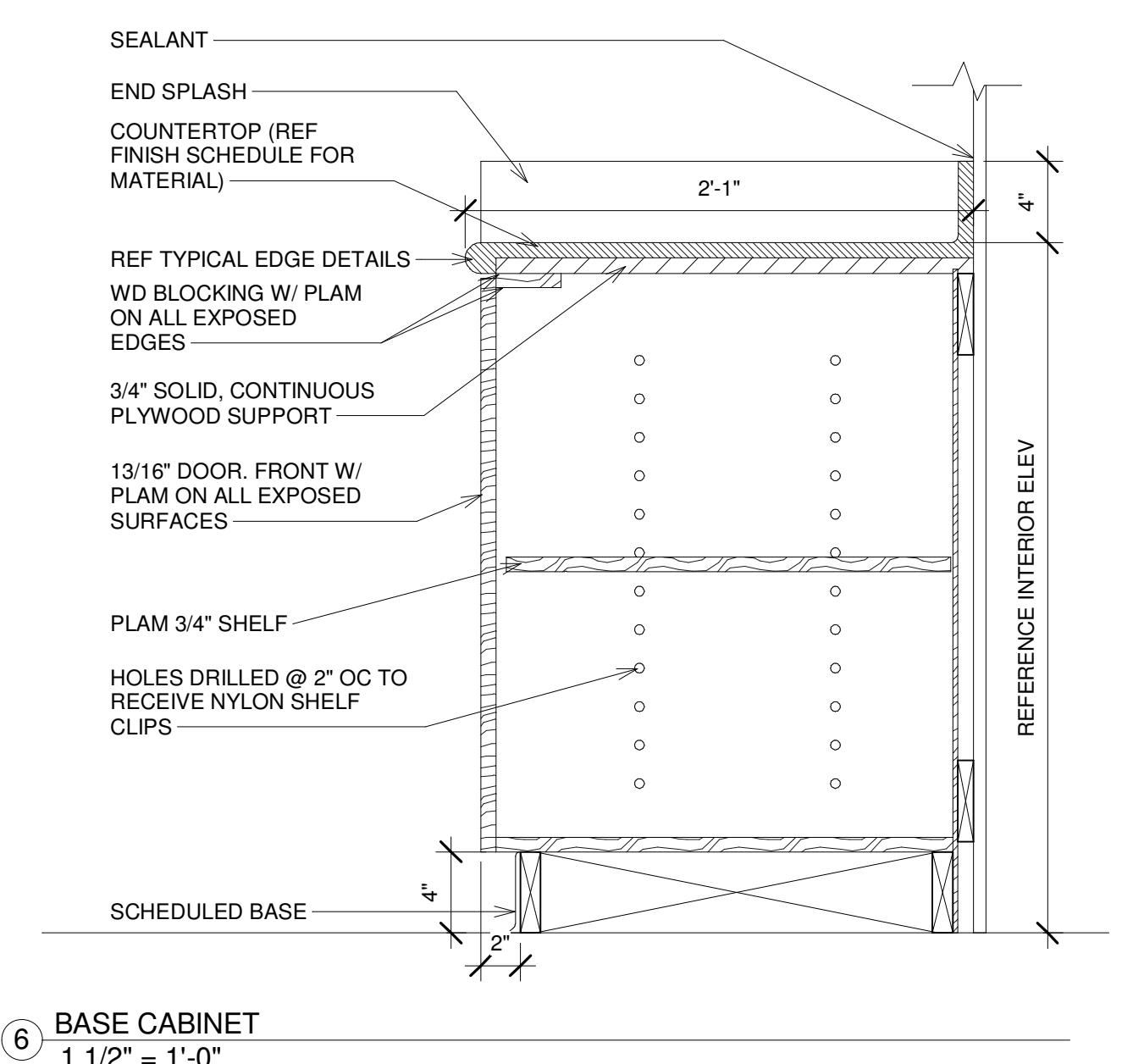
GENERAL CASEWORK NOTES:	
1.	PROVIDE FILLER PANELS TO FINISH OUT & SCRIBE CABINETS TO WALL
2.	WHEN FILLER PANELS ARE REQUIRED AT BOTH ENDS OF CASEWORK TERMINATION, BOTH FILLER PANELS SHALL BE OF EQUAL WIDTH.
3.	ALL FILLER PANELS SHALL BE SCRIBED TO THE EXPOSED SURFACES.
4.	PROVIDE WALL BRACKET SUPPORTS AT 36" OC MAX TO SUPPORT COUNTERTOP AT CONTINUOUS SPACES.
5.	PROVIDE CONTINUOUS BACKSPLASH AT ALL COUNTERS INCLUDING END SPLASH WHEN COUNTERS ARE ADJACENT TO WALL, UNO.
6.	PROVIDE HOLES FOR GROMMETS IN COUNTERTOPS AT KNEE SPACES FOR WIRE ACCESS LOCATIONS TO BE DETERMINED BY OWNER AT SITE.
7.	ALL PLUMBED CASEWORK TO BE PLAM-1 OR PLAM-2 AT COUNTERTOP ICE MACHINE LOCATIONS.
8.	GYP BD BULKHEADS WI 1" PROJECTION FROM FACE OF CASEWORK ARE STANDARD AT ALL UPPER AND FULL HEIGHT CASEWORK LINO.
9.	ALL VERTICAL CASEWORK TO BE PLAM-1 OR PLAM-2 AT COUNTERTOP ICE MACHINE LOCATIONS.
10.	ALL HEAVY DUTY STEEL COUNTER SUPPORTS TO BE RACKS FLUSH MOUNT MODELS EH1212, EH1818, EH1824. THESE COUNTER SUPPORTS ARE TO BE SCREWED INTO THE METAL STUDS INSIDE THE WALL THEN COVERED WITH GYPSUM BOARD



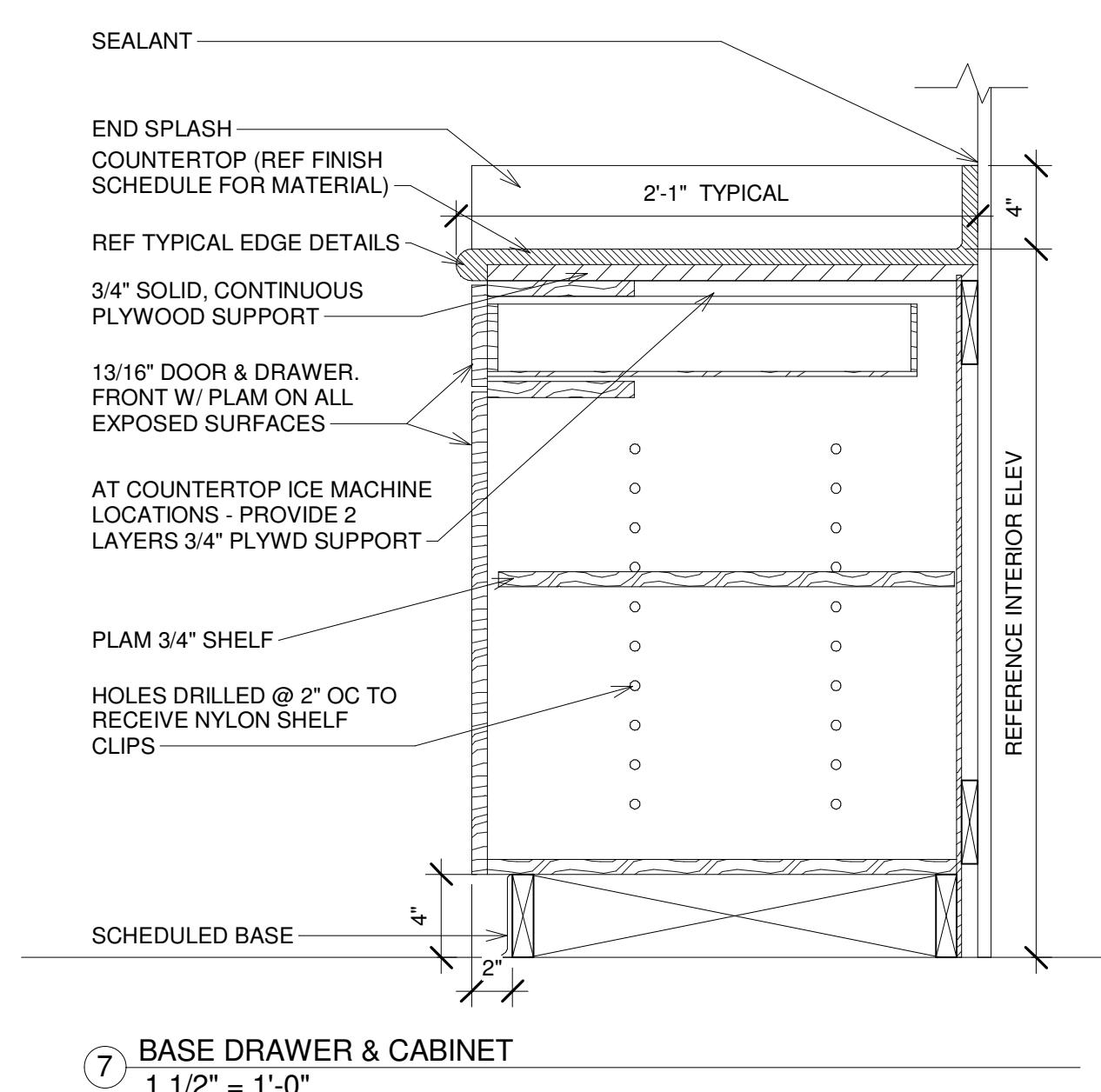
① UPPER CABINET  
1 1/2" = 1'-0"



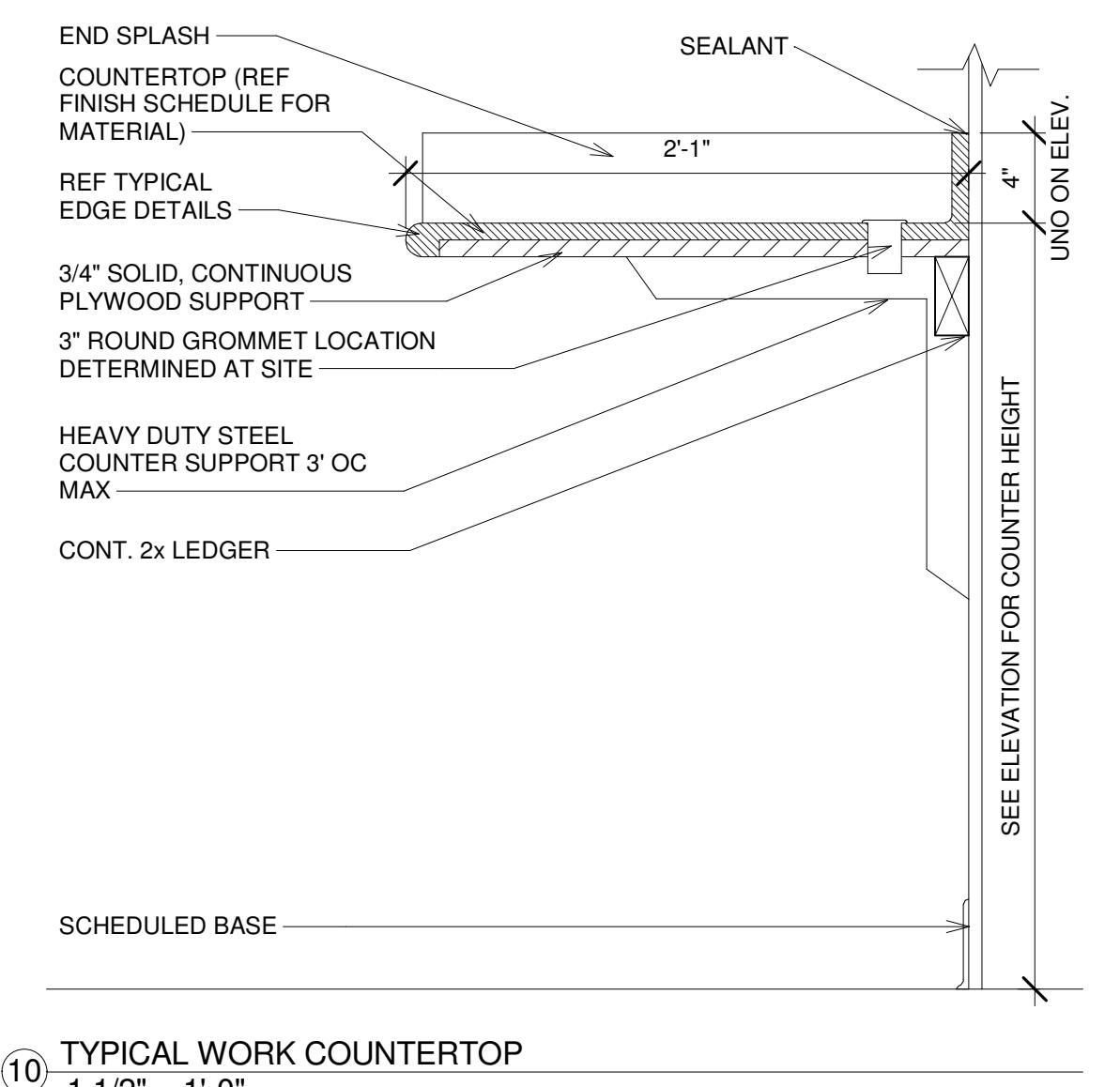
④ UPPER OPEN SHELVES  
1 1/2" = 1'-0"



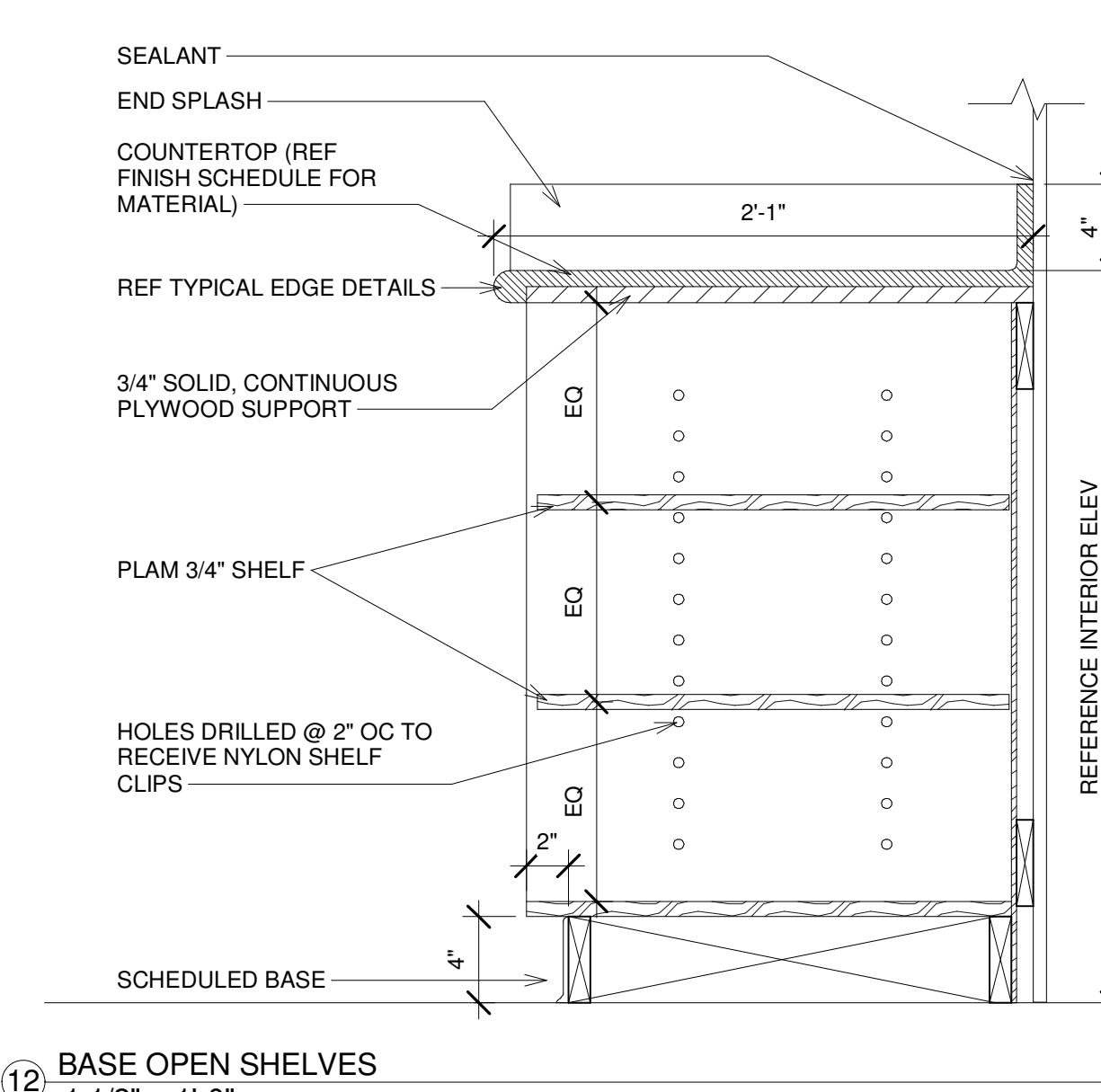
⑥ BASE CABINET  
1 1/2" = 1'-0"



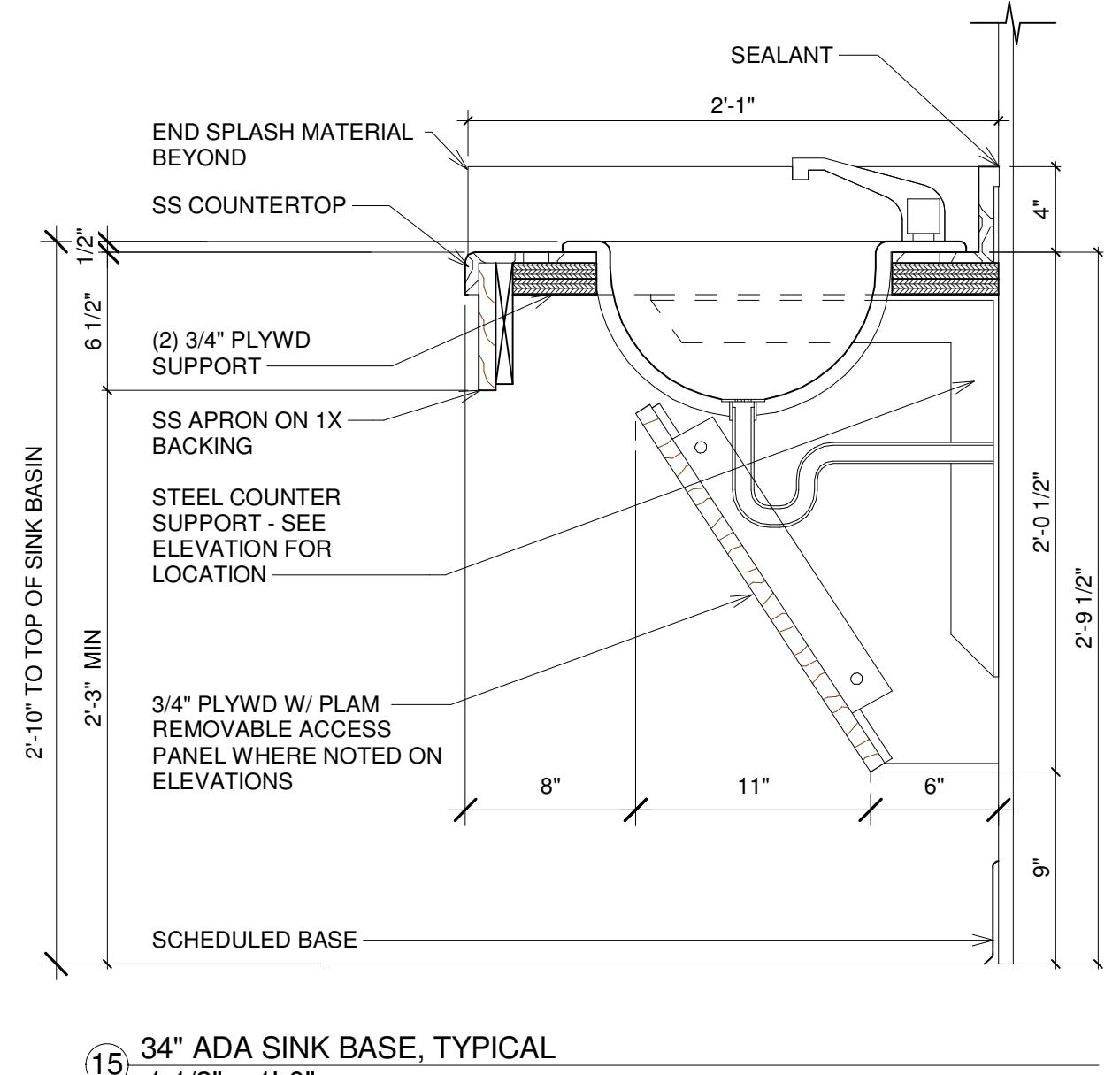
⑦ BASE DRAWER & CABINET  
1 1/2" = 1'-0"



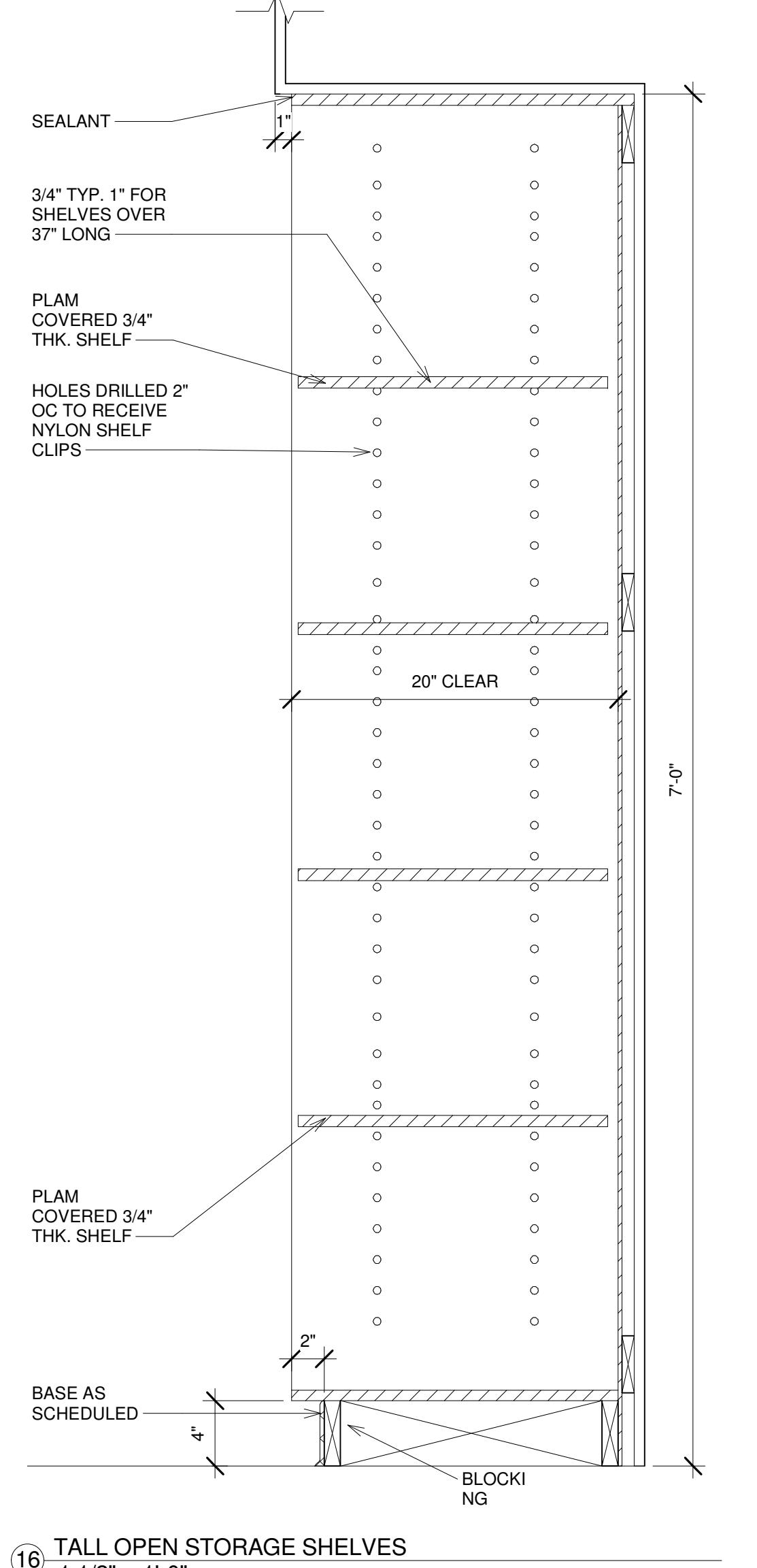
⑩ TYPICAL WORK COUNTERTOP  
1 1/2" = 1'-0"



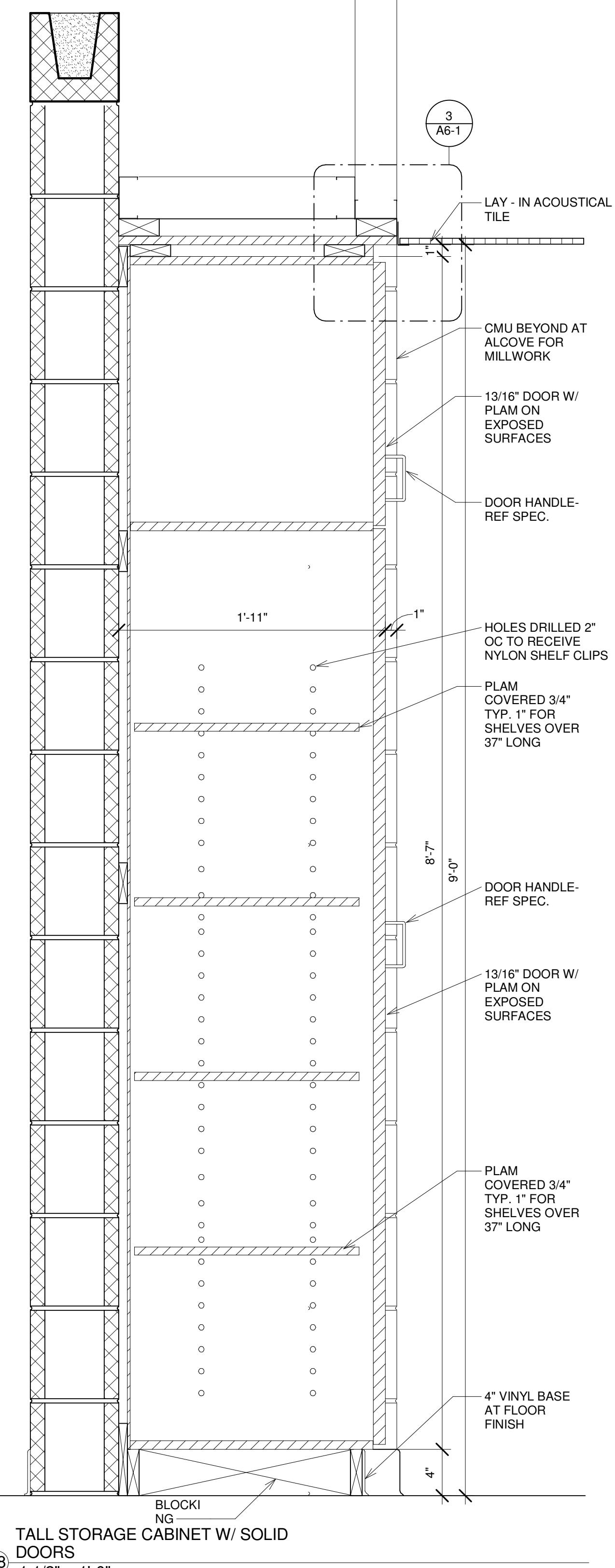
⑫ BASE OPEN SHELVES  
1 1/2" = 1'-0"



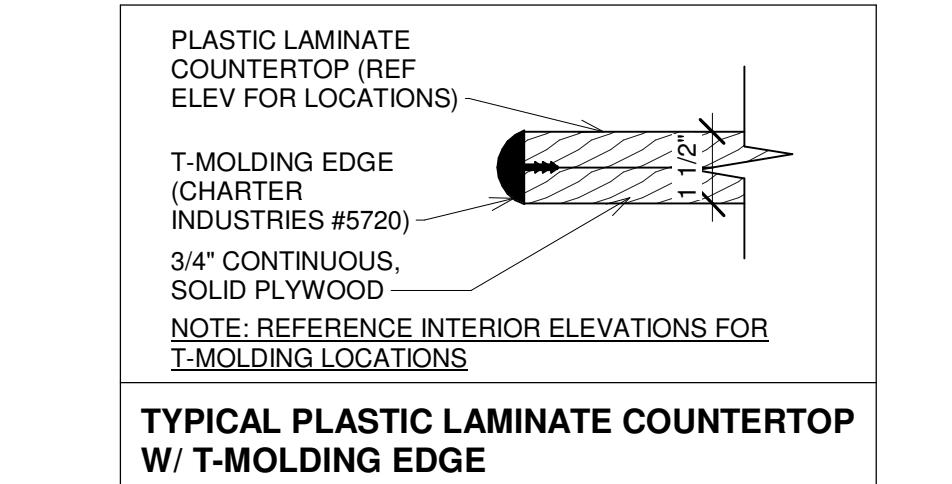
⑯ 34" ADA SINK BASE, TYPICAL  
1 1/2" = 1'-0"



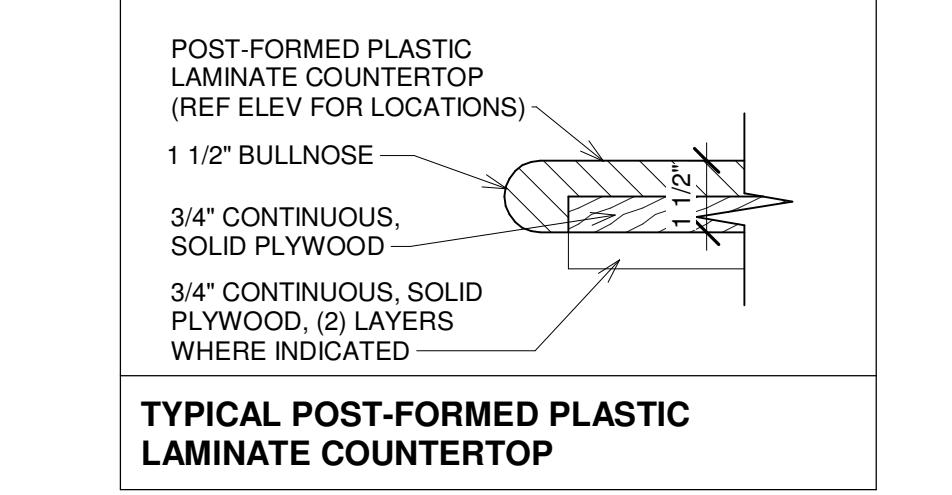
⑯ TALL OPEN STORAGE SHELVES  
1 1/2" = 1'-0"



⑯ TALL STORAGE CABINET W/ SOLID DOORS  
1 1/2" = 1'-0"



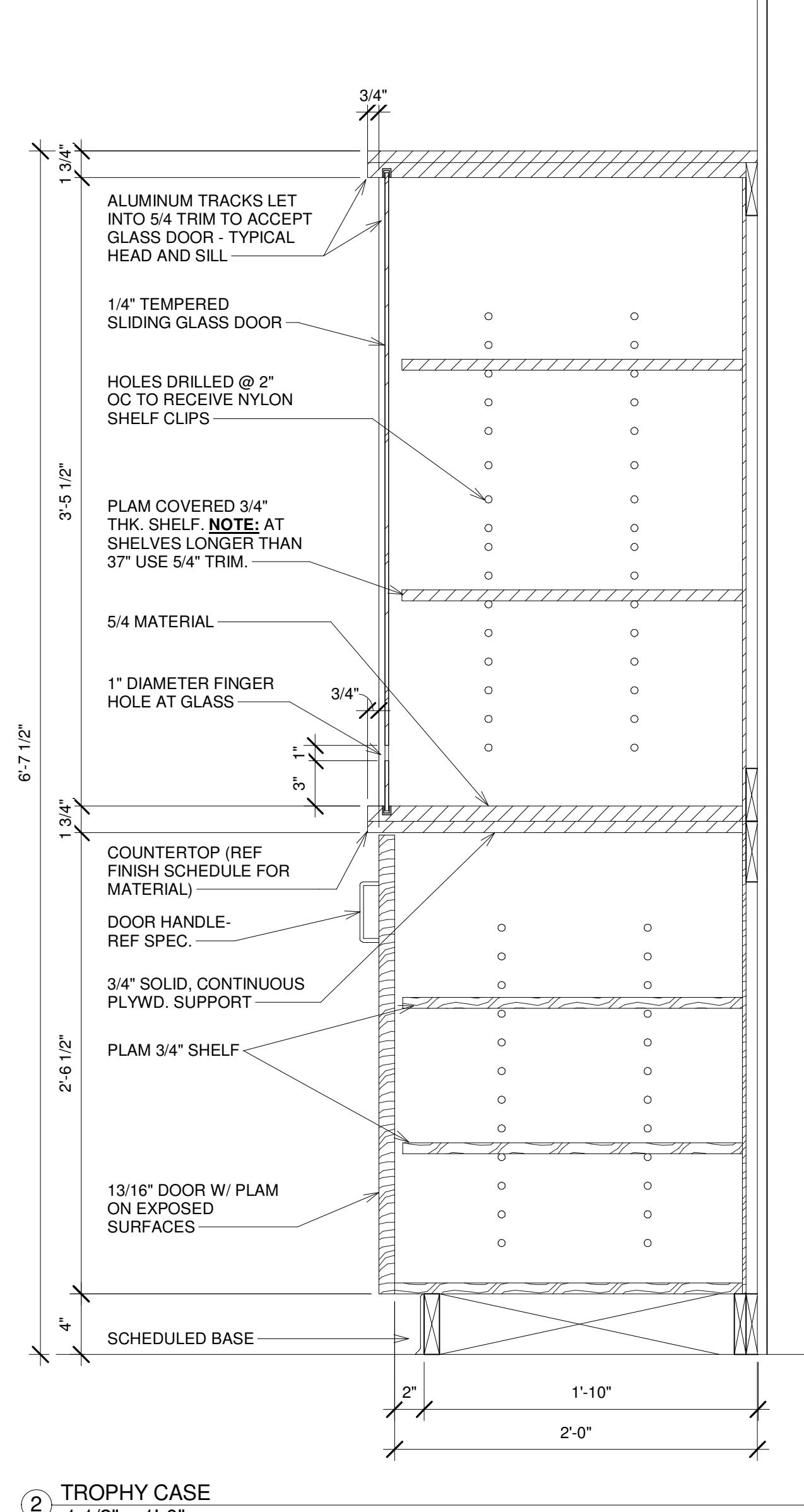
⑤ TYPICAL PLASTIC LAMINATE COUNTERTOP W/ T-MOLDING EDGE



⑤ TYPICAL POST-FORMED PLASTIC LAMINATE COUNTERTOP

⑤ TYPICAL COUNTERTOP EDGE DETAILS

3" = 1'-0"



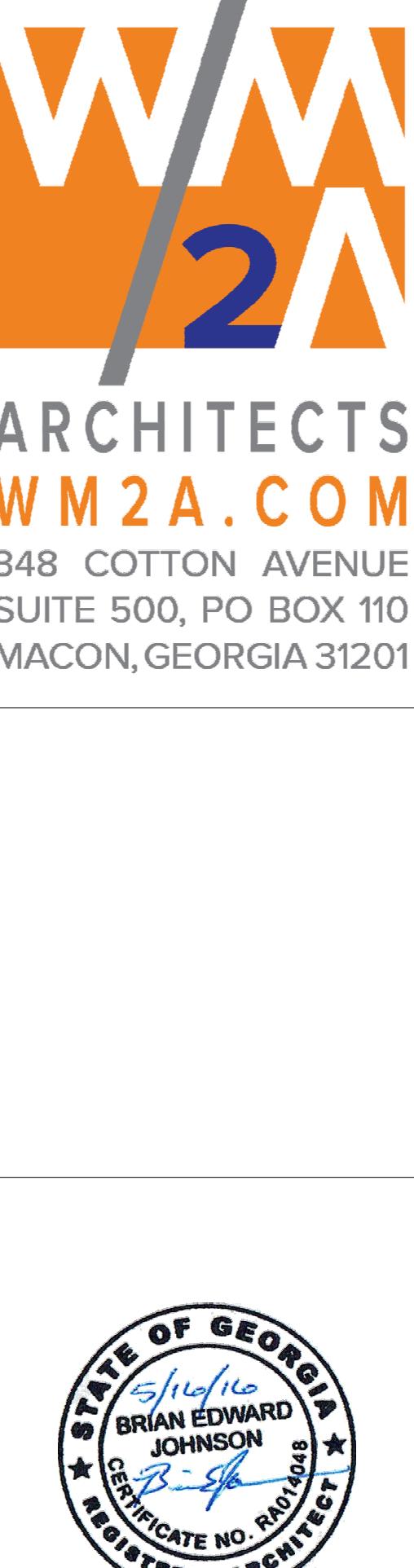
② TROPHY CASE  
1 1/2" = 1'-0"

Date: 05/16/2016  
Drawn By: CN/SP  
Checked By: CG  
Project Number: 2016-08  
Sheet Name: CASEWORK DETAILS

Sheet Number:

A5-4

5/16/2016 4:08:00 PM



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# RENOVATION & ADDITION TO NORTH MACON PARK RECREATION CENTER

# BIBB COUNTY RECREATION DEPARTMENT

15 N MACON PARK DR  
MACON, GA 31210

REVISIONS	
DATE	DESCRIPTION

05/16/20

own By: **B**

Entered By:

Project Number: 2016-

et Name:


# **REFLECTED CEILING PLAN**

Set Number:

# A6-1

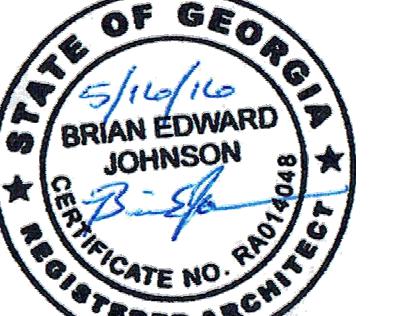
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For more information about the study, please contact Dr. [REDACTED] at [REDACTED].





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# RENOVATION & ADDITION TO NORTH MACON PARK RECREATION CENTER

BIBB COUNTY RECREATION DEPARTMENT

815 N MACON PARK DR  
MACON, GA 31210

## REVISIONS

# DATE DESCRIPTION

Date: 05/16/2016  
Drawn By: CN  
Checked By: CG  
Project Number: 2016-08  
Sheet Name: FINISH PLAN & SCHEDULE

Sheet Number:

A7-1

## FINISH SCHEDULE

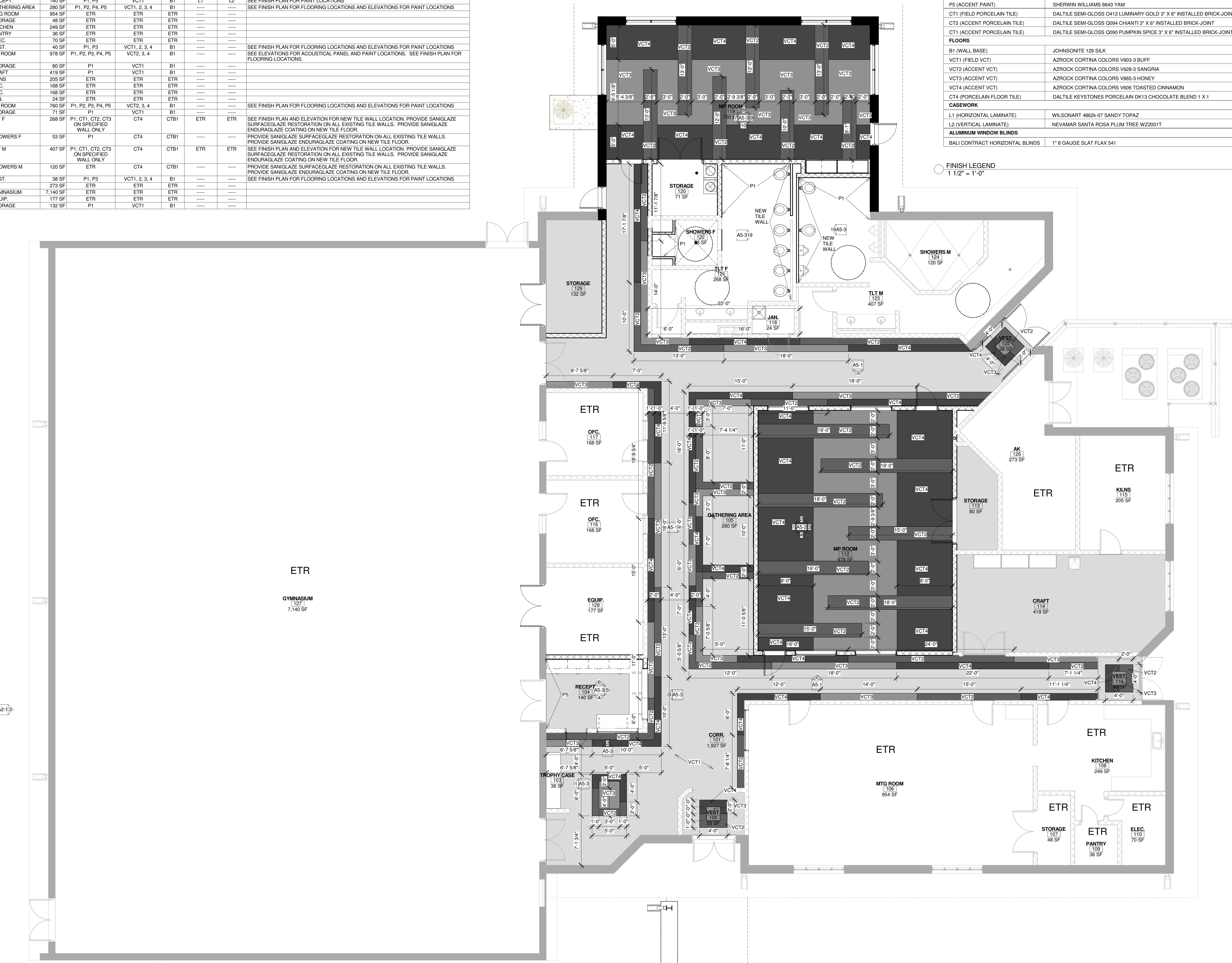
NUMBER	NAME	AREA	WALL FINISH	FLOOR FINISH	BASE FINISH	HORIZONTAL SURFACE	VERTICAL SURFACE	COMMENTS
100	VEST.	55 SF	P1, P3	VCT1, 2, 3, 4	B1	.....	.....	SEE FINISH PLAN FOR FLOORING LOCATIONS AND ELEVATIONS FOR PAINT LOCATIONS
101	CORR.	1,927 SF	P1, P3	VCT1, 2, 3, 4	B1	.....	.....	SEE FINISH PLAN FOR FLOORING LOCATIONS AND ELEVATIONS FOR PAINT LOCATIONS
103	TROPHY CASE	38 SF	P1, P3	VCT1, 2, 3, 4	B1	.....	.....	SEE FINISH PLAN FOR FLOORING LOCATIONS AND ELEVATIONS FOR PAINT LOCATIONS
104	RECEPT.	140 SF	P1, P5	VCT1	B1	.....	.....	SEE FINISH PLAN FOR PAINT LOCATIONS
105	GATHERING AREA	280 SF	P1, P2, P4, P5	VCT1, 2, 3, 4	B1	.....	.....	SEE FINISH PLAN FOR PAINT LOCATIONS
106	MTG ROOM	954 SF	ETR	ETR	ETR	.....	.....	SEE FINISH PLAN FOR FLOORING LOCATIONS AND ELEVATIONS FOR PAINT LOCATIONS
107	STORAGE	48 SF	ETR	ETR	ETR	.....	.....	.....
108	KITCHEN	249 SF	ETR	ETR	ETR	.....	.....	.....
109	PANTRY	36 SF	ETR	ETR	ETR	.....	.....	SEE FINISH PLAN FOR FLOORING LOCATIONS AND ELEVATIONS FOR PAINT LOCATIONS
110	ELEC.	70 SF	ETR	ETR	ETR	.....	.....	.....
111	VEST.	40 SF	ETR	VCT1, 2, 3, 4	B1	.....	.....	SEE FINISH PLAN FOR FLOORING LOCATIONS AND ELEVATIONS FOR PAINT LOCATIONS
112	MP ROOM	978 SF	P1, P2, P3, P4, P5	VCT2, 3, 4	B1	.....	.....	SEE ELEVATIONS FOR ACOUSTICAL PANEL AND PAINT LOCATIONS. SEE FINISH PLAN FOR FLOORING LOCATIONS.
113	STORAGE	80 SF	P1	VCT1	B1	.....	.....	.....
114	CRAFT	419 SF	P1	VCT1	B1	.....	.....	.....
115	KILNS	205 SF	ETR	ETR	ETR	.....	.....	.....
116	OFC.	168 SF	ETR	ETR	ETR	.....	.....	.....
117	OFC.	168 SF	ETR	ETR	ETR	.....	.....	.....
118	JAN.	24 SF	ETR	ETR	ETR	.....	.....	.....
119	MP ROOM	760 SF	P1, P2, P3, P4, P5	VCT2, 3, 4	B1	.....	.....	SEE FINISH PLAN FOR FLOORING LOCATIONS AND ELEVATIONS FOR PAINT LOCATIONS
120	STORAGE	71 SF	VCT1	B1	.....	.....	.....	.....
121	TLT F	268 SF	P1, CT1, CT2, CT3 ON SPECIFIED WALL ONLY	CT4	CTB1	ETR	ETR	SEE FINISH PLAN AND ELEVATION FOR NEW TILE WALL LOCATION. PROVIDE SANIGLAZE SURFACEGLAZE RESTORATION ON ALL EXISTING TILE WALLS. PROVIDE SANIGLAZE ENDURAGLAZE COATING ON NEW TILE FLOOR.
122	SHOWERS F	53 SF	P1	CT4	CTB1	.....	.....	PROVIDE SANIGLAZE SURFACEGLAZE RESTORATION ON ALL EXISTING TILE WALLS. PROVIDE SANIGLAZE ENDURAGLAZE COATING ON NEW TILE FLOOR.
123	TLT M	407 SF	P1, CT1, CT2, CT3 ON SPECIFIED WALL ONLY	CT4	CTB1	ETR	ETR	PROVIDE SANIGLAZE SURFACEGLAZE RESTORATION ON ALL EXISTING TILE WALLS. PROVIDE SANIGLAZE SURFACEGLAZE RESTORATION ON ALL EXISTING TILE WALLS. PROVIDE SANIGLAZE ENDURAGLAZE COATING ON NEW TILE FLOOR.
124	SHOWERS M	120 SF	ETR	CT4	CTB1	.....	.....	PROVIDE SANIGLAZE SURFACEGLAZE RESTORATION ON ALL EXISTING TILE WALLS. PROVIDE SANIGLAZE ENDURAGLAZE COATING ON NEW TILE FLOOR.
125	VEST.	38 SF	P1, P3	VCT1, 2, 3, 4	B1	.....	.....	SEE FINISH PLAN FOR FLOORING LOCATIONS AND ELEVATIONS FOR PAINT LOCATIONS
126	AK	273 SF	ETR	ETR	ETR	.....	.....	.....
127	GYMNASIUM	7,140 SF	ETR	ETR	ETR	.....	.....	.....
128	EQUIP.	177 SF	ETR	ETR	ETR	.....	.....	.....
129	STORAGE	132 SF	P1	VCT1	B1	.....	.....	.....

## FINISH LEGEND

WALLS	
P1 (FIELD PAINT)	SHERWIN WILLIAMS 6141 SOFTER TAN
P2 (ACCENT PAINT)	SHERWIN WILLIAMS 0072 DEEP MAROON
P3 (ACCENT PAINT)	SHERWIN WILLIAMS 0044 HUBBARD SQUASH
P4 (ACCENT PAINT)	SHERWIN WILLIAMS 9100 UMBER RUST
P5 (ACCENT PAINT)	SHERWIN WILLIAMS 6643 YAM
CT1 (FIELD PORCELAIN TILE)	DALTILE SEMI-GLOSS Q412 LUMINARY GOLD 3" X 6" INSTALLED BRICK-JOINT
CT2 (ACCENT PORCELAIN TILE)	DALTILE SEMI-GLOSS Q994 CHIANTI 3" X 6" INSTALLED BRICK-JOINT
CT1 (ACCENT PORCELAIN TILE)	DALTILE SEMI-GLOSS Q995 PUMPKIN SPICE 3" X 6" INSTALLED BRICK-JOINT
FLOORS	
B1 (WALL BASE)	JOHNSONITE 129 SILK
VCT1 (FIELD VCT)	AZROCK CORTINA COLORS V603-3 BUFF
VCT2 (ACCENT VCT)	AZROCK CORTINA COLORS V628-3 SANGRIA
VCT3 (ACCENT VCT)	AZROCK CORTINA COLORS V885-3 HONEY
VCT4 (ACCENT VCT)	AZROCK CORTINA COLORS V606 TOASTED CINNAMON
CT4 (PORCELAIN FLOOR TILE)	DALTILE KEYSTONES PORCELAIN DK13 CHOCOLATE BLEND 1 X 1
CASEWORK	
L1 (HORIZONTAL LAMINATE)	WILSONART 4862K-07 SANDY TOPAZ
L2 (VERTICAL LAMINATE)	NEVAMAR SANTA ROSA PLUM TREE W22001T
ALUMINUM WINDOW BLINDS	
BALI CONTRACT HORIZONTAL BLINDS	1" 8 GAUGE SLAT FLAX 541

## FINISH LEGEND

1 1/2" = 1'-0"



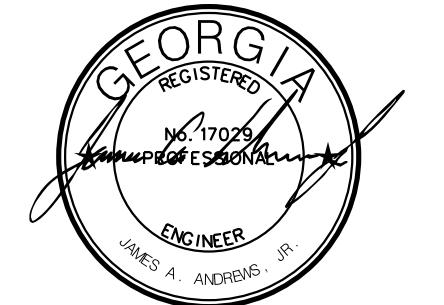


ARCHITECTS  
348 COTTON AVE. #500  
P.O. BOX 110  
MACON, GEORGIA 31021

AH&P  
CONSULTING  
ENGINEERS

ANDREWS, HAMMOCK  
& POWELL, INC.

250 Charter Lane  
Suite 100  
Macon, Georgia 31210  
Phone: (478)405-8201  
Fax: (478)405-8210  
WWW.AHPENGR.COM



## RENOVATION & ADDITION TO NORTH MACON PARK RECREATION CENTER

BIBB COUNTY  
RECREATION  
DEPARTMENT

815 N MACON PARK DR  
MACON, GA 31210

### REVISIONS

# DATE DESCRIPTION

Date: 05/16/2016

Drawn By: WDD

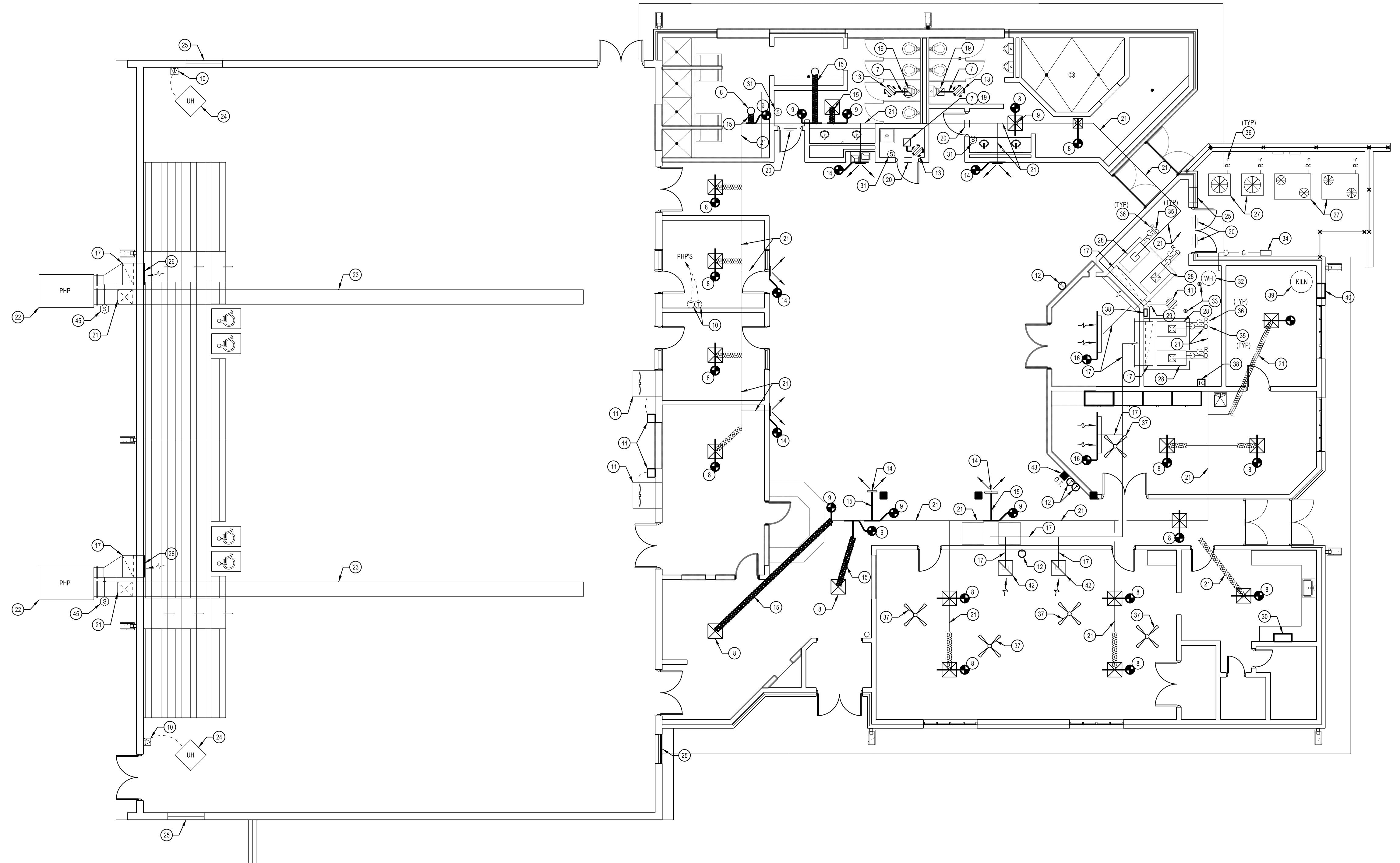
Checked By: RRM

Project Number: 2016-08

Sheet Name:  
**Mechanical Demolition Floor Plan**

Sheet Number:

**MD101**



MECHANICAL DEMOLITION FLOOR PLAN

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

### NOTES: (THIS SHEET ONLY)

- ① GENERAL: AFTER REMOVAL OF MECHANICAL SYSTEMS, PATCH AND PAINT ADJACENT WALL, CEILING, FLOOR, AND OTHER SURFACES TO MATCH EXISTING. UNLESS THESE SURFACES ARE SHOWN AS REPAINTED, SEE ARCHITECTURAL DRAWINGS FOR AREAS THAT ARE TO BE REPAINED BY ARCHITECTURAL.
- ② GENERAL: ALL DUCT SIZES, IF SHOWN ARE BASED ON ORIGINAL DRAWINGS AND HAVE NOT BEEN VERIFIED. DUCT LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DUCT SIZES AND LOCATIONS.
- ③ GENERAL: CONTRACTOR SHALL PROVIDE WEATHER PROTECTION FOR ALL BUILDING OPENINGS RESULTING FROM MECHANICAL EQUIPMENT REMOVAL.
- ④ GENERAL: FOR REMOVED THERMOSTATS, ALL CONTROL WIRING AND CONDUIT THAT IS OWNED BY THE OWNER SHALL BE REMOVED. ALL EXPOSED CONDUIT SHALL BE REMOVED. CONTRACTOR SHALL BE ALLOWED TO REUSE WALL BOXES AND CONDUITS IF NEW THERMOSTAT IS SHOWN INSTALLED IN EXACT SAME LOCATION AS REMOVED THERMOSTAT. SEE NEW WORK DRAWINGS FOR LOCATION OF NEW THERMOSTAT. WHEN NO THERMOSTAT IS INSTALLED, REMOVE J-BOX AND INFILL WITH MORTAR AND PAINT AS SPECIFIED. COVER PLATES WILL NOT BE ALLOWED.
- ⑤ GENERAL: CONTRACTOR SHALL REMOVE ALL SUPPORTS (BEAM CLAMPS, JOIST HANGERS, ANGLE IRON, UNISTRUT, DROP ROSE, WALL BRACKETS, ETC.) FOR ALL REMOVED DUCTWORK, PIPING AND CONDUIT.
- ⑥ GENERAL: SEE "GENERAL DEMOLITION" PARAGRAPH IN SPECIFICATION SECTION 20051 CONCERNING GENERAL DEMOLITION. ALL DEMOLITION SHALL BECOME PROPERTY OF CONTRACTOR AND SHALL BE LAWFULLY REMOVED FROM SITE.
- ⑦ REMOVE EXISTING EXHAUST DUCT AND SUPPORTS FROM THIS APPROXIMATE LOCATION.
- ⑧ REMOVE EXISTING CEILING SUPPLY GRILLE FROM THIS APPROXIMATE LOCATION. SEE NEW WORK DRAWINGS FOR INSTALLATION OF NEW GRILLE.
- ⑨ CONTRACTOR SHALL PROVIDE 26 GAUZE SHEET METAL PATCH PLATES, ATTACHED WITH SHEET METAL SCREWS AND FULL PERIMETER MASTIC. INSULATE WITH 2" DUCT WRAP INSULATION AND FSK TAPE. FIELD VERIFY EXACT PATCH SIZE.
- ⑩ EXISTING THERMOSTAT TO REMAIN AT THIS APPROXIMATE LOCATION.
- ⑪ EXISTING SIDEWALL EXHAUST FAN, HOUSING, DAMPERS, ETC. TO REMAIN AT THIS APPROXIMATE LOCATION.
- ⑫ REMOVE EXISTING THERMOSTAT FROM THIS APPROXIMATE LOCATION. SEE ALSO NOTE 4.
- ⑬ REMOVE EXISTING ROOF MOUNTED VENTILATOR AND ROOF CURB FROM THIS APPROXIMATE LOCATION.
- ⑭ REMOVE EXISTING SIDEWALL SUPPLY GRILLE FROM THIS APPROXIMATE LOCATION. SEE NEW WORK DRAWINGS FOR INSTALLATION OF NEW GRILLE.
- ⑮ REMOVE EXISTING SIDEWALL RETURN GRILLE FROM THIS APPROXIMATE LOCATION. SEE NEW WORK DRAWINGS FOR INSTALLATION OF NEW GRILLE.
- ⑯ REMOVE EXISTING RETURN DUCT, INSULATION AND SUPPORTS TO REMAIN AT THIS APPROXIMATE LOCATION.
- ⑰ REMOVE EXISTING CEILING TRANSFER GRILLE TO REMAIN AT THIS APPROXIMATE LOCATION.
- ⑱ REMOVE EXISTING EXHAUST CEILING FAN FROM THIS APPROXIMATE LOCATION.
- ⑲ REMOVE EXISTING LOUVERED TRANSFER DOOR GRILLE TO REMAIN AT THIS APPROXIMATE LOCATION.
- ⑳ REMOVE EXISTING DUCT, INSULATION AND SUPPORTS TO REMAIN AT THIS APPROXIMATE LOCATION.
- ㉑ REMOVE EXISTING PACKAGED HEAT PUMP AND SECURITY ENCLOSURE TO REMAIN AT THIS APPROXIMATE LOCATION.
- ㉒ REMOVE EXISTING FABRIC DUCT AND SUPPORTS TO REMAIN AT THIS APPROXIMATE LOCATION.
- ㉓ REMOVE EXISTING GAS FIRED UNIT HEATER AND SUPPORTS TO REMAIN AT THIS APPROXIMATE LOCATION.
- ㉔ REMOVE EXISTING LOUVER TO REMAIN AT THIS APPROXIMATE LOCATION.
- ㉕ REMOVE EXISTING RETURN GRILLE TO REMAIN AT THIS APPROXIMATE LOCATION.
- ㉖ REMOVE EXISTING HEAT PUMP AND ALL ASSOCIATED APPURTENANCES AND CONCRETE PAD(S) TO REMAIN AT THIS APPROXIMATE LOCATION. PROVIDE BASELINE TAB AIRFLOW READING TO INSURE PROPER UNIT OPERATION. REPORT ANY DEFICIENCIES TO THE OWNER.
- ㉗ REMOVE EXISTING VERTICAL FAN COIL UNITS AND ALL ASSOCIATED APPURTENANCES TO REMAIN AT THIS APPROXIMATE LOCATION. PROVIDE BASELINE TAB AIRFLOW READING TO INSURE PROPER UNIT OPERATION. REPORT ANY DEFICIENCIES TO THE OWNER.
- ㉘ REMOVE EXISTING OUTSIDE AIR DUCT AND SUPPORTS TO REMAIN AT THIS APPROXIMATE LOCATION.
- ㉙ REMOVE EXISTING RANGE HOOD FROM THIS APPROXIMATE LOCATION. EXISTING RANGE WILL BE REMOVED UNDER THIS PROJECT.
- ㉚ REMOVE EXISTING EXHAUST FAIRING SWITCH TO REMAIN AT THIS APPROXIMATE LOCATION.
- ㉛ REMOVE EXISTING WATER HEATER.
- ㉜ REMOVE EXISTING FLOOR DRAIN.
- ㉝ REMOVE EXISTING GAS METER AND PIPING.
- ㉞ REMOVE CONCRETE DRAIN PIPING TO REMAIN AT THIS APPROXIMATE LOCATION. ALL PIPING NOT SHOWN FOR CLARITY.
- ㉟ REMOVE EXISTING REFRIGERANT PIPING, INSULATION AND SUPPORTS TO REMAIN AT THIS APPROXIMATE LOCATION. ALL PIPING NOT SHOWN FOR CLARITY.
- ㉟ REMOVE EXISTING CEILING FAN. SEE ARCHITECTURAL AND ELECTRICAL DRAWINGS.
- ㉟ REMOVE EXISTING TIME CLOCK IF IT SERVES HVAC EQUIPMENT. NEW THERMOSTATS WILL HAVE BEEN BUILT IN TIME CLOCK FOR SCHEDULING PURPOSES.
- ㉟ REMOVE EXISTING KILN TO REMAIN.
- ㉟ REMOVE EXISTING SIDEWALL EXHAUST FAN FROM THIS APPROXIMATE LOCATION. PROVIDE PAINT GRIP SHEET METAL TO COVER OPENING. PAINT TO MATCH INTERIOR AND EXTERIOR WALL COLORS.
- ㉟ REMOVE EXISTING ROOF CURB AND INTAKE VENTILATOR TO REMAIN AT THIS APPROXIMATE LOCATION.
- ㉟ REMOVE EXISTING CEILING RETURN GRILLE FROM THIS APPROXIMATE LOCATION. SEE NEW WORK DRAWINGS FOR INSTALLATION OF NEW GRILLE.
- ㉟ REMOVE EXISTING OVERSIZE TIMER.
- ㉟ REMOVE EXISTING EXHAUST FAN STARTERS ARE LOCATED WHERE NEW DOORS WILL BE INSTALLED. COORDINATE WITH OWNER REMOVAL OR RELOCATION OF EXISTING FAN STARTERS.
- ㉟ REMOVE DUCT MOUNTED SMOKE DETECTOR TO REMAIN.



ARCHITECTS  
348 COTTON AVE. #500  
P.O. BOX 110  
MACON, GEORGIA 31021

AH&P  
CONSULTING  
ENGINEERS

ANDREWS, HAMMOCK  
& POWELL, INC.

250 Charter Lane  
Suite 100  
Macon, Georgia 31210  
Phone: (478)405-8301  
Fax: (478)405-8210  
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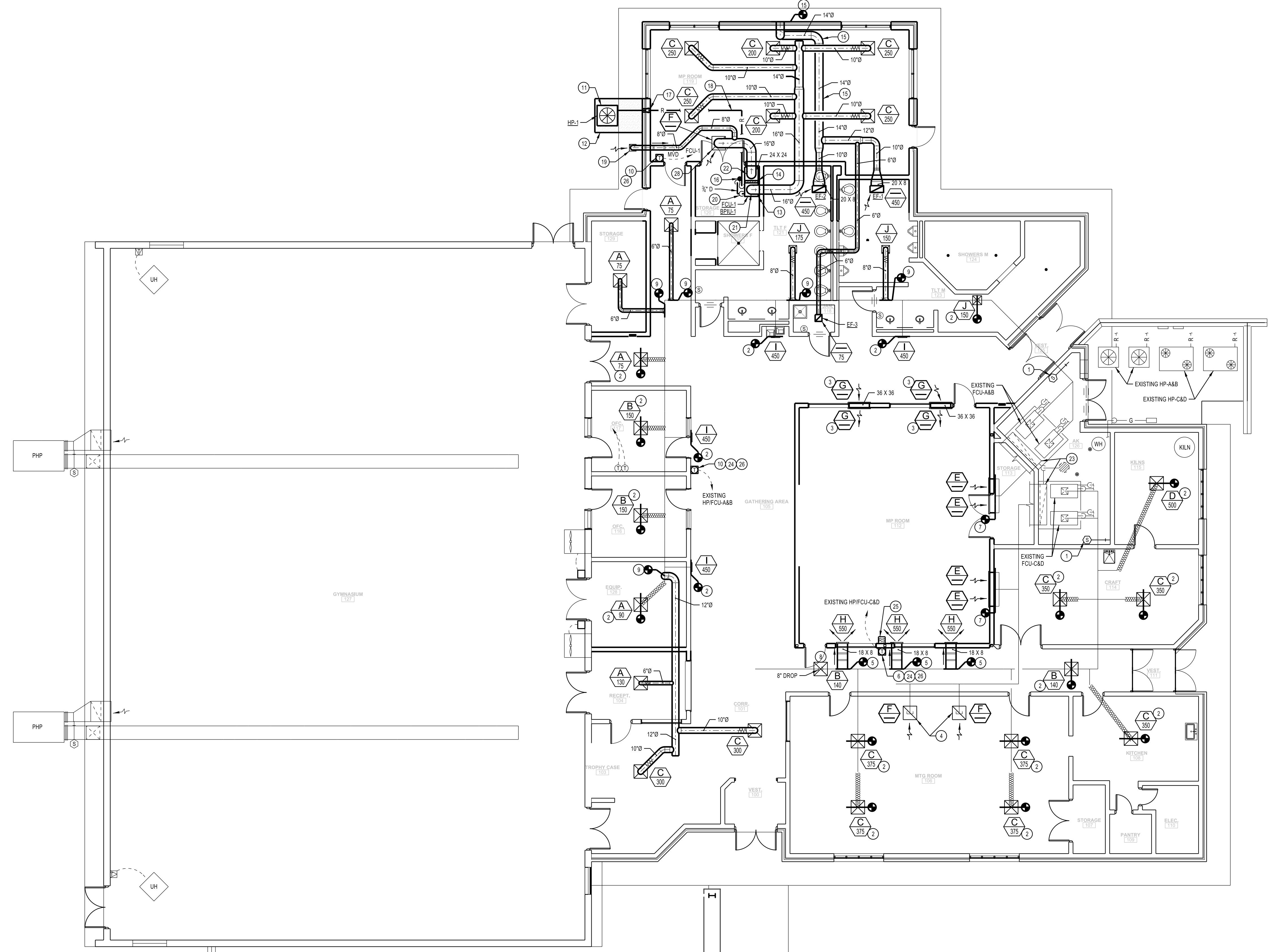
## RENOVATION & ADDITION TO NORTH MACON PARK RECREATION CENTER

BIBB COUNTY RECREATION DEPARTMENT

815 N MACON PARK DR  
MACON, GA 31210

### REVISIONS

# DATE DESCRIPTION



MECHANICAL NEW WORK FLOOR PLAN

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

### NOTES: (THIS SHEET ONLY)

- ① NEW DUCT MOUNTED SMOKE DETECTOR - PROVIDED AND WIRED BY ELECTRICAL BUT INSTALLED BY MECHANICAL/HVAC CONTRACTOR. DETECTOR SHALL BE MOUNTED IN DUCT LOCATION AFTER SUPPLY DUCTS ARE TWINNED TOGETHER.
- ② NEW SUPPLY GRILLE SHALL BE REBALANCED FOR INDICATED AIRFLOW AND RECONNECTED TO EXISTING DUCT. CONTRACTOR SHALL PROVIDE ANY NECESSARY DUCT TRANSITIONS AND ADAPTOR CONNECTIONS FOR CONNECTION FROM EXISTING FLEXDUCT TO NEW SUPPLY GRILLE.
- ③ MOUNT 36 X 36 SIDEWALL TRANSFER GRILLE WITH TOP ELEVATION AT 14'-0" A.F. COORDINATE EXACT LOCATION OF GRILLE WITH THE NEW TECTUM PANELS. SEE ARCHITECTURAL PLANS FOR EXACT LOCATIONS.
- ④ CONTRACTOR SHALL PROVIDE NEW 24 X 24 (LINED 1/2" LINER) PLENUM ATOP NEW EGGRATE RETURN GRILLE. EXISTING 15 X 12 DUCT (FIELD VERIFY SIZE) SHALL BE MODIFIED TO TAP INTO TOP OF THE NEW PLENUM ATOP NEW RETURN GRILLE.
- ⑤ CONTRACTOR SHALL TAP 18 X 18 X 1 SUPPLY DUCT TO THE EXISTING RETURN DUCT AT THE EXISTING EGGRATE. CONTRACTOR SHALL PROVIDE NEW SUPPLY DUCT AND CONNECT NEW SUPPLY GRILLE AND PROVIDE NECESSARY DUCT OFFSETS. BALANCE GRILLE FOR INDICATED AIRFLOW. CONTRACTOR SHALL MOUNT BOTTOM ELEVATION OF THE GRILLE 11'-11 1/2" A.F. COORDINATE EXACT LOCATION OF GRILLE WITH THE NEW TECTUM PANELS. SEE ARCHITECTURAL PLANS FOR EXACT LOCATIONS.
- ⑥ MOUNT NEW THERMOSTAT WITH BOTTOM ELEVATION 4'-0" A.F. PROVIDE REMOTE SPACE TEMPERATURE SENSOR AS SHOWN AND CONNECT TO THERMOSTAT.
- ⑦ CONTRACTOR SHALL EXTEND RETURN DUCT(S) AS REQUIRED AND MOUNT THE NEW RETURN GRILLES IN SAME LOCATION. ENGINEER WAS UNABLE TO FIELD MEASURE RETURN DUCT LENGTHS. CONTRACTOR SHALL FIELD VERIFY EXACT LENGTHS PRIOR TO ORDERING NEW GRILLES.
- ⑧ CONTRACTOR SHALL TAP NEW 19" BELLMOUTH WITH DAMPER OUT THE BOTTOM OF THE EXISTING MAIN SUPPLY DUCT TO A NEW SUPPLY GRILLE AS SHOWN. BALANCE GRILLE FOR INDICATED AIRFLOW.
- ⑨ CONTRACTOR SHALL TAP NEW BELLMOUTH WITH DAMPER OF INDICATED SIZE OUT OF THE EXISTING MAIN SUPPLY DUCT TO A NEW SUPPLY GRILLE(S) AS SHOWN. BALANCE GRILLE(S) FOR INDICATED AIRFLOW.
- ⑩ MOUNT NEW THERMOSTAT WITH BOTTOM ELEVATION 4'-0" A.F.
- ⑪ NEW HEAT PUMP. SEE HEAT PUMP/CONDENSING UNIT DETAIL.
- ⑫ NEW CONCRETE PAD. SEE CONCRETE PAD DETAIL.
- ⑬ NEW VERTICAL FAN COIL UNIT. SEE VERTICAL FAN COIL UNIT AND BIPOLE IONIZATION UNIT DETAILS.
- ⑭ FILTER RACK. SEE FILTER RACK DETAIL.
- ⑮ 14'0" EXHAUST DUCT IS ROUTED TO TRIANGULAR GABLE ROOF VENT AT THIS APPROXIMATE LOCATION. PROVIDE SHEET METAL DIVERTER TO CONNECT DUCT TO GABLE VENT AS REQUIRED. SEE ARCHITECTURAL PLANS FOR EXACT GABLE VENT LOCATION.
- ⑯ FLOOR DRAIN. SEE PLUMBING DRAWINGS FOR EXACT LOCATION.
- ⑰ PIPE SLEEVE. SEE REFRIGERANT PIPE SLEEVE DETAIL.
- ⑱ REFRIGERANT PIPE SHALL BE Routed IN A NEAT WORKMANLIKE MANNER, SUSPEND PIPE WITH PIPE HANGERS. SEE PIPE HANGER DETAIL.
- ⑲ 14 X 4 EGGRATE (PRICE MODEL 82) MOUNTED IN SOFFIT. PROVIDE INSECT SCREEN ON BACKSIDE OF EGGRATE.
- ⑳ CONDENSATE TRAP. SEE CONDENSATE TRAP DETAIL. ROUTE 1/2" PVC CONDENSATE PIPE TO FLOOR DRAIN.
- ㉑ SUPPLY DUCT FROM NEW FAN COIL UNIT RISES FROM RETURN AIR DUCT, DUCT IS THEN ROTATED THRU ACT CEILING NEARLY FINISH OFF PENETRATION AT CEILING AND OFFSETS AS REQUIRED TO FIT THRU BOTTOM CHORD(S) OF TRusses INTO ATTIC SPACE. CONTRACTOR SHALL COORDINATE EXACT DUCT ROUTING BASED ON CROSS SECTION OF TRusses AND POSITION OF THE Duct.
- ㉒ RETURN DUCT OF INDICATED SIZE FROM NEW FAN COIL UNIT RISES FROM RETURN AIR PENETRATION AND IS THEN ROTATED THRU ACT CEILING NEARLY FINISH OFF PENETRATION AT CEILING AND OFFSETS AS REQUIRED TO FIT THRU BOTTOM CHORD(S) OF TRusses INTO ATTIC SPACE. CONTRACTOR SHALL COORDINATE EXACT DUCT ROUTING BASED ON CROSS SECTION OF TRusses AND POSITION OF THE Duct.
- ㉓ BALANCE EXISTING OUTSIDE AIR DUCT FOR 350 CFM AT EACH CONNECTION. PROVIDE MV AT CONNECTION TO RETURN DUCT TO BALANCE AIRFLOW.
- ㉔ PROVIDE CARRIER EDGE PRO 0203 THERMOSTAT (OR EQUAL) TO PROVIDE APPROPRIATE NUMBER OF COOLING/HEATING STAGES TO CONTROL EXISTING SYSTEMS. SEE CONTROL SEQUENCE OF OPERATION IN SPECIFICATION FOR MORE DETAILED INFORMATION. PROVIDED THERMOSTAT WILL NOT FULLY SERVE AS TIMELOCK AND SCHEDULE. DO NOT ROUTE LOW VOLTAGE THRU EXISTING TIMELOCK. PROVIDE NEW CONTROL WIRING AS REQUIRED TO ACCOMPLISH THIS.
- ㉕ PROVIDE OPTIONAL REMOTE SPACE TEMPERATURE SENSOR FOR EDGE PRO THERMOSTAT.
- ㉖ PROVIDE OPTIONAL REMOTE OUTSIDE AIR TEMPERATURE SENSOR FOR EDGE PRO THERMOSTAT TO DISPLAY OUTSIDE AIR TEMPERATURE AT THERMOSTAT.
- ㉗ GENERAL: ALL ROUND DUCT TAKEOFFS FROM MAIN ROUND OR RECTANGULAR DUCTS SHALL BE IN ACCORDANCE WITH BELLMOUTH OR 90° SADDLE TAP TAKEOFF DETAILS.
- ㉘ PROVIDE RECTANGULAR TO ROUND ADAPTER ATOP RETURN GRILLE. SEE DETAIL.

Date: 05/16/2016

Drawn By: WDD

Checked By: RRM

Project Number: 2016-08

Sheet Name:  
**Mechanical New Work Floor Plan**

Sheet Number:

**M101**

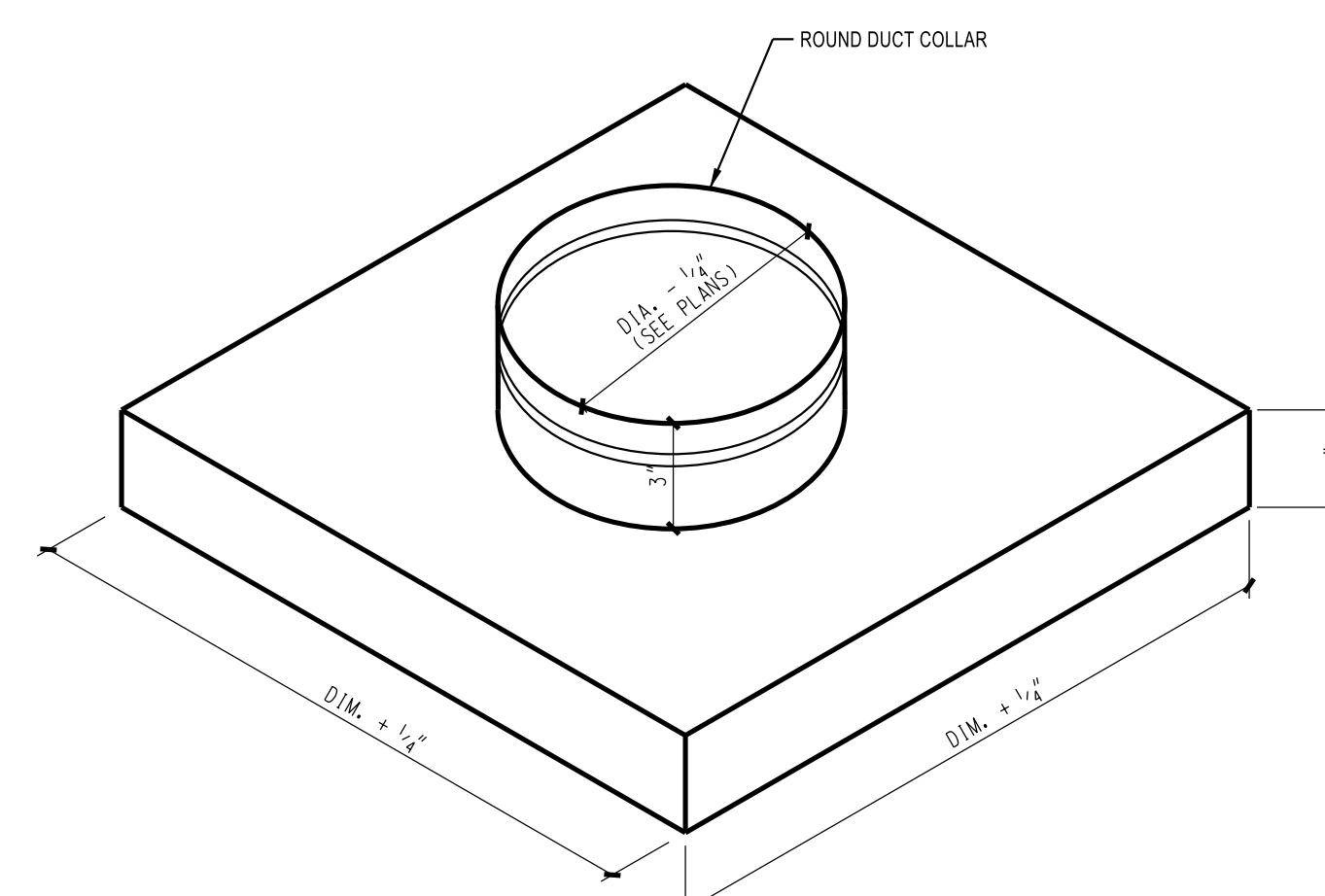


## RENOVATION & ADDITION TO NORTH MACON PARK RECREATION CENTER

BIBB COUNTY RECREATION DEPARTMENT

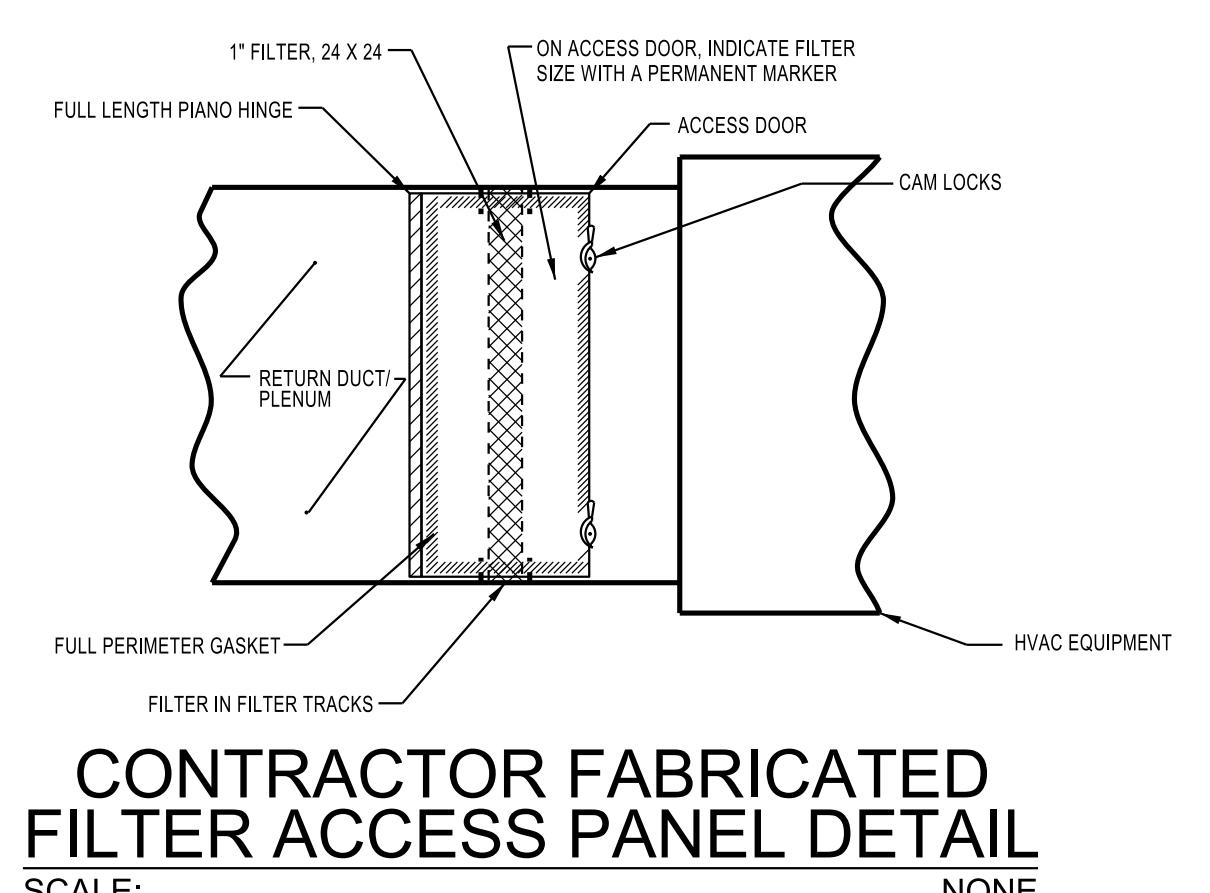
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REVISIONS	#	DATE	DESCRIPTION
Date:	05/16/2016		
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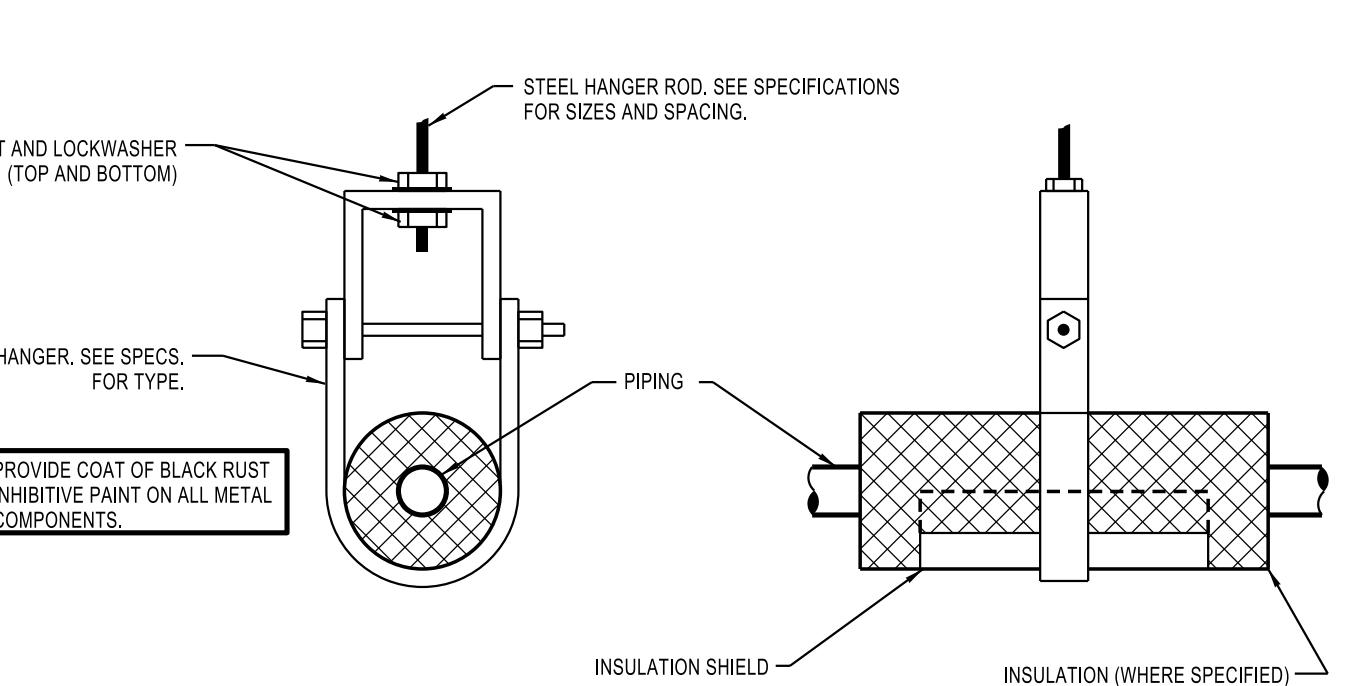


RECTANGULAR TO ROUND FLAT ADAPTER  
SCALE: NONE

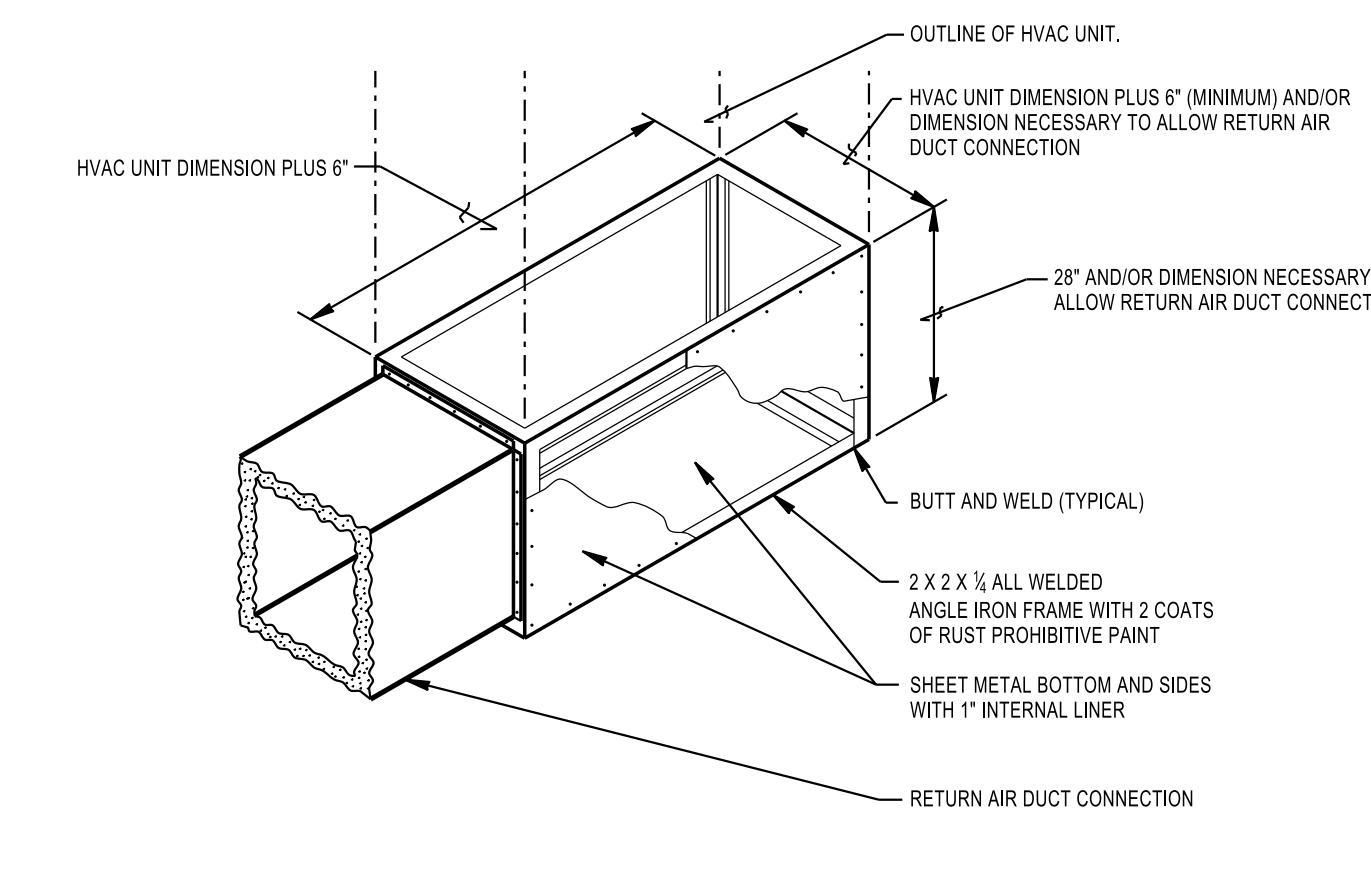
- NOTES: (THIS DETAIL ONLY)
- ① PAINT INTERIOR OF BOX MATTE BLACK.
  - ② MINIMUM 26 GAUGE GALV. SHEET METAL.
  - ③ PROVIDE 1/2" DUST LINER ON RETURN DUCT APPLICATIONS AND NO LINER ON EXHAUST APPLICATION.
  - ④ ADAPTER MAY BE FABRICATED BY CONTRACTOR OR PROVIDED BY CROWN PRODUCTS MODEL #669 ADAPTER OR EQUAL.



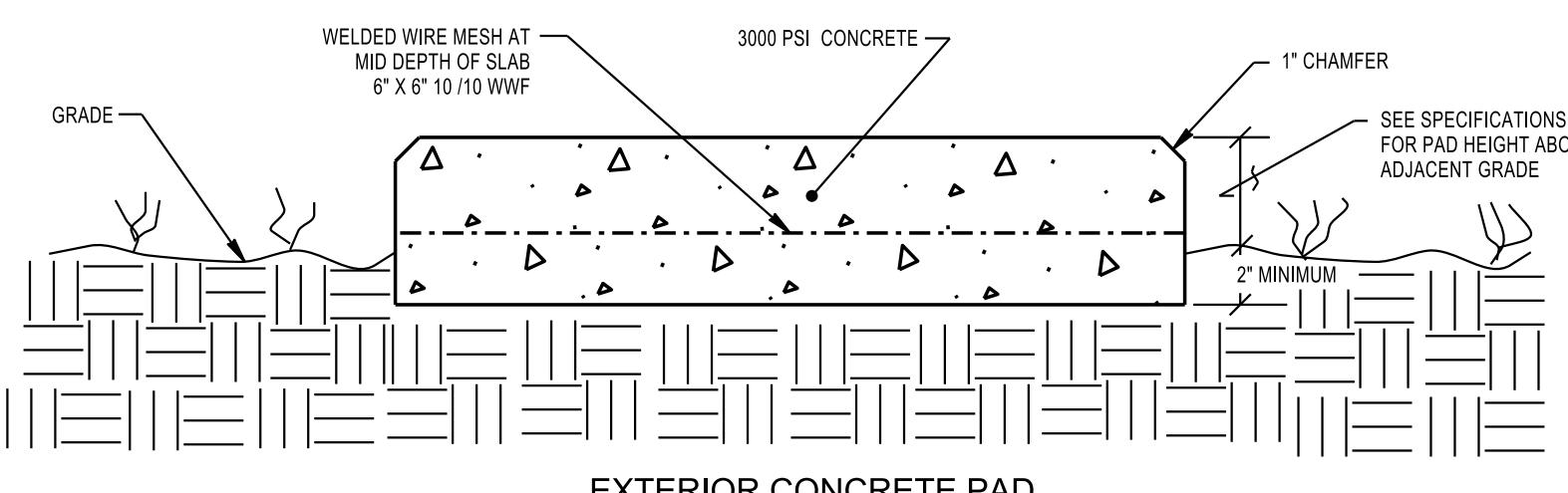
CONTRACTOR FABRICATED  
FILTER ACCESS PANEL DETAIL  
SCALE: NONE



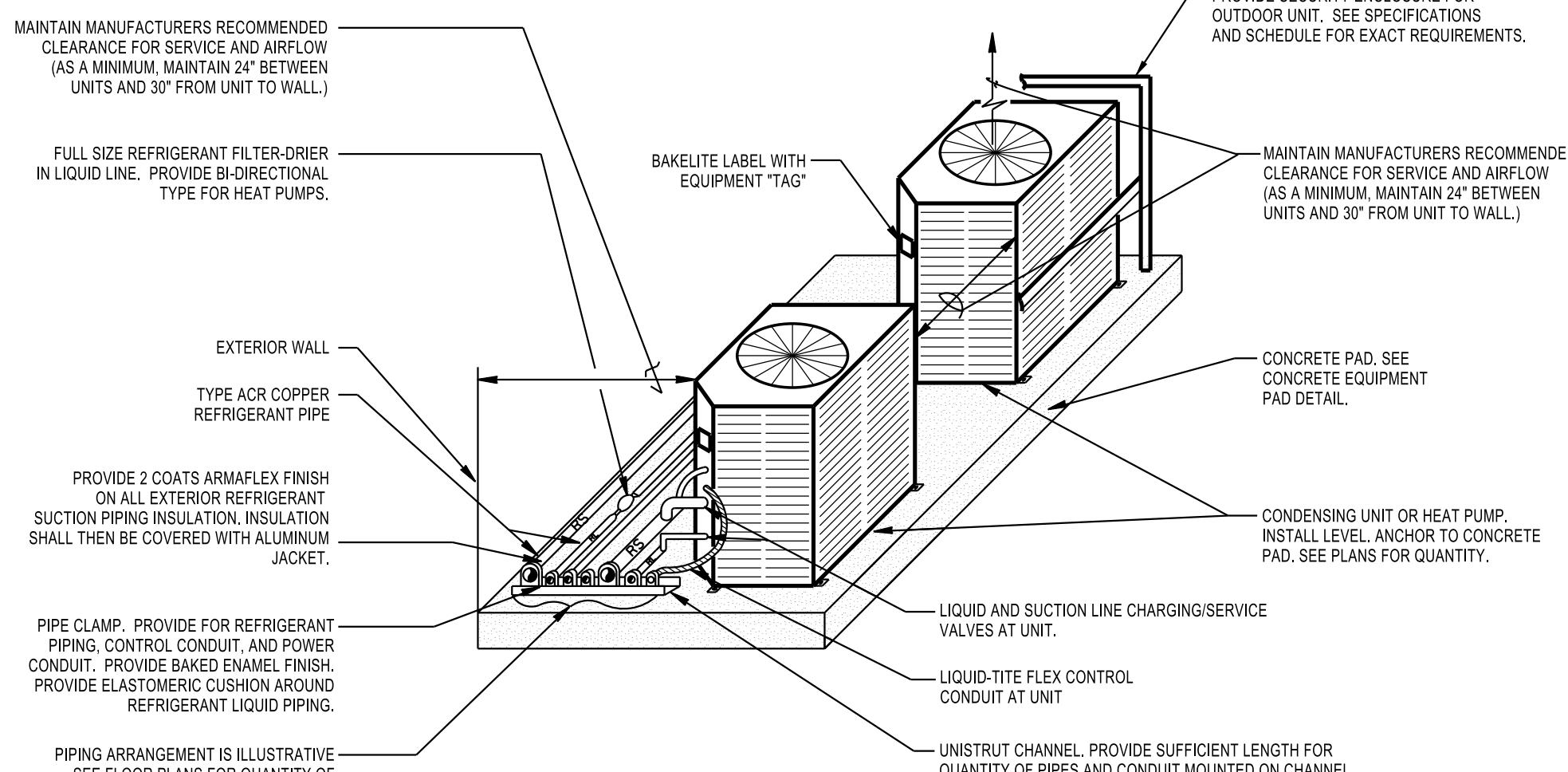
PIPE/REFRIGERANT HANGER DETAIL  
SCALE: NONE



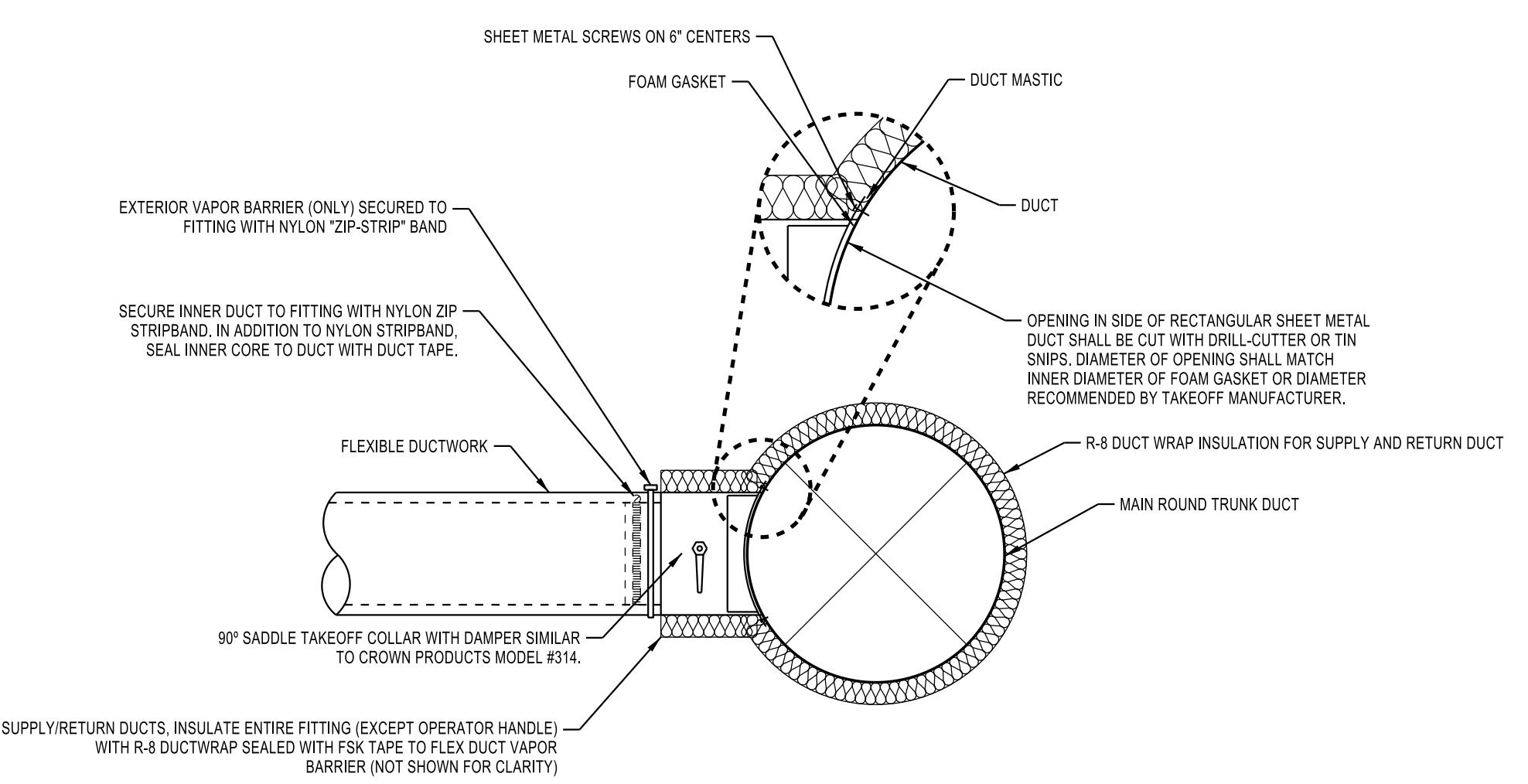
RETURN AIR PLENUM STAND DETAIL  
SCALE: NONE



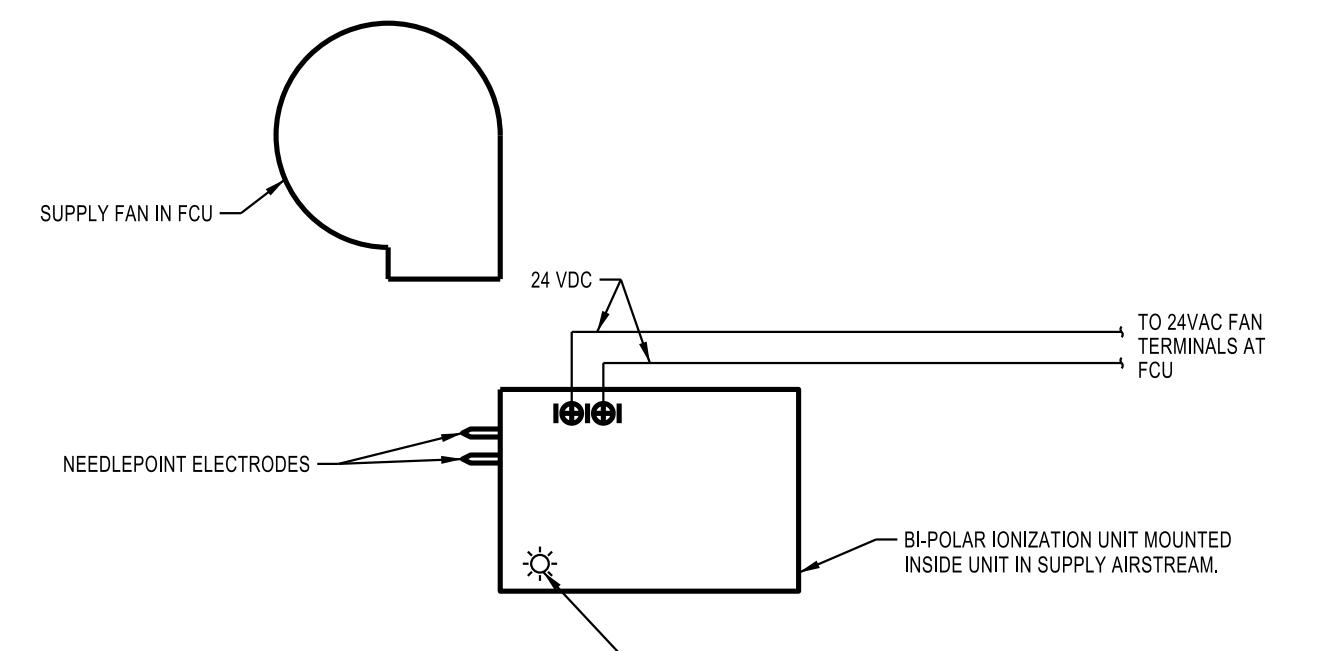
CONCRETE EQUIPMENT PAD DETAIL  
SCALE: NONE



HEAT PUMP/CONDENSING UNIT DETAIL  
SCALE: NONE



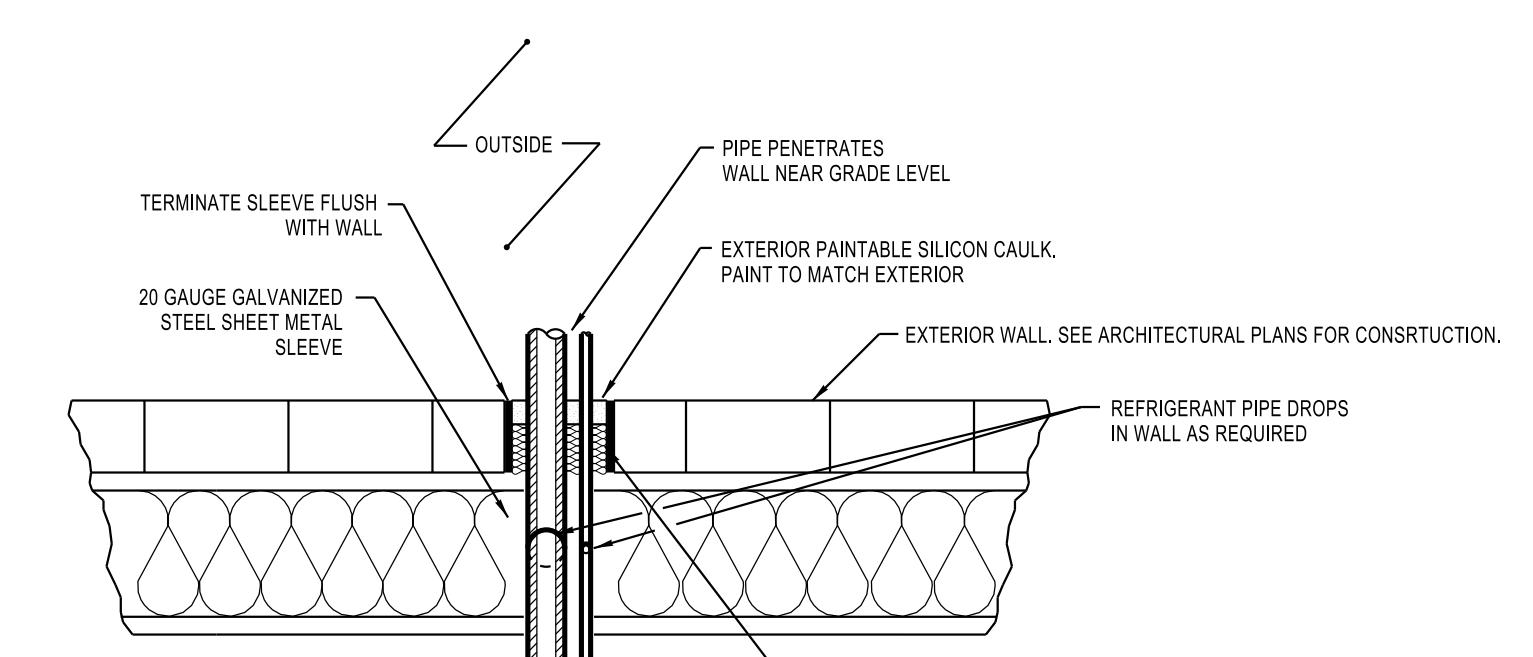
90° SADDLE TAP TAKEOFF FITTING DETAIL  
SCALE: NONE



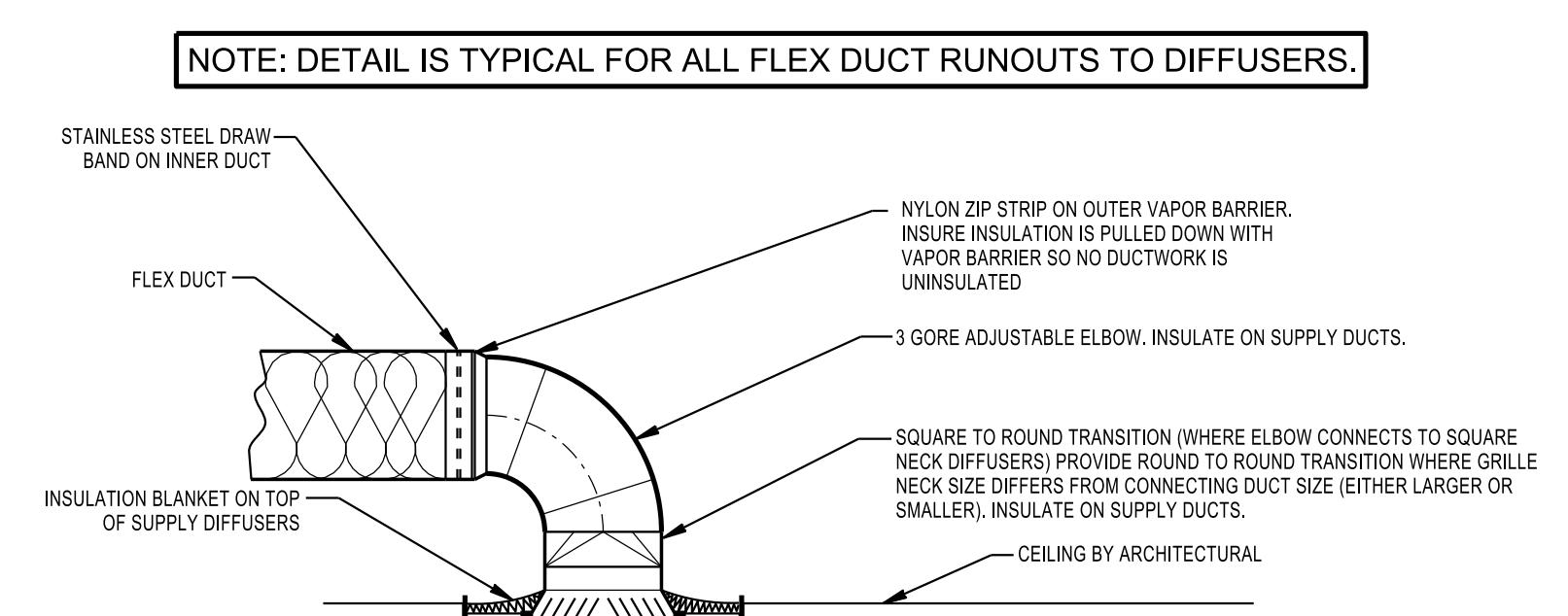
BI-POLAR IONIZATION CONTROL DETAIL  
SCALE: NONE



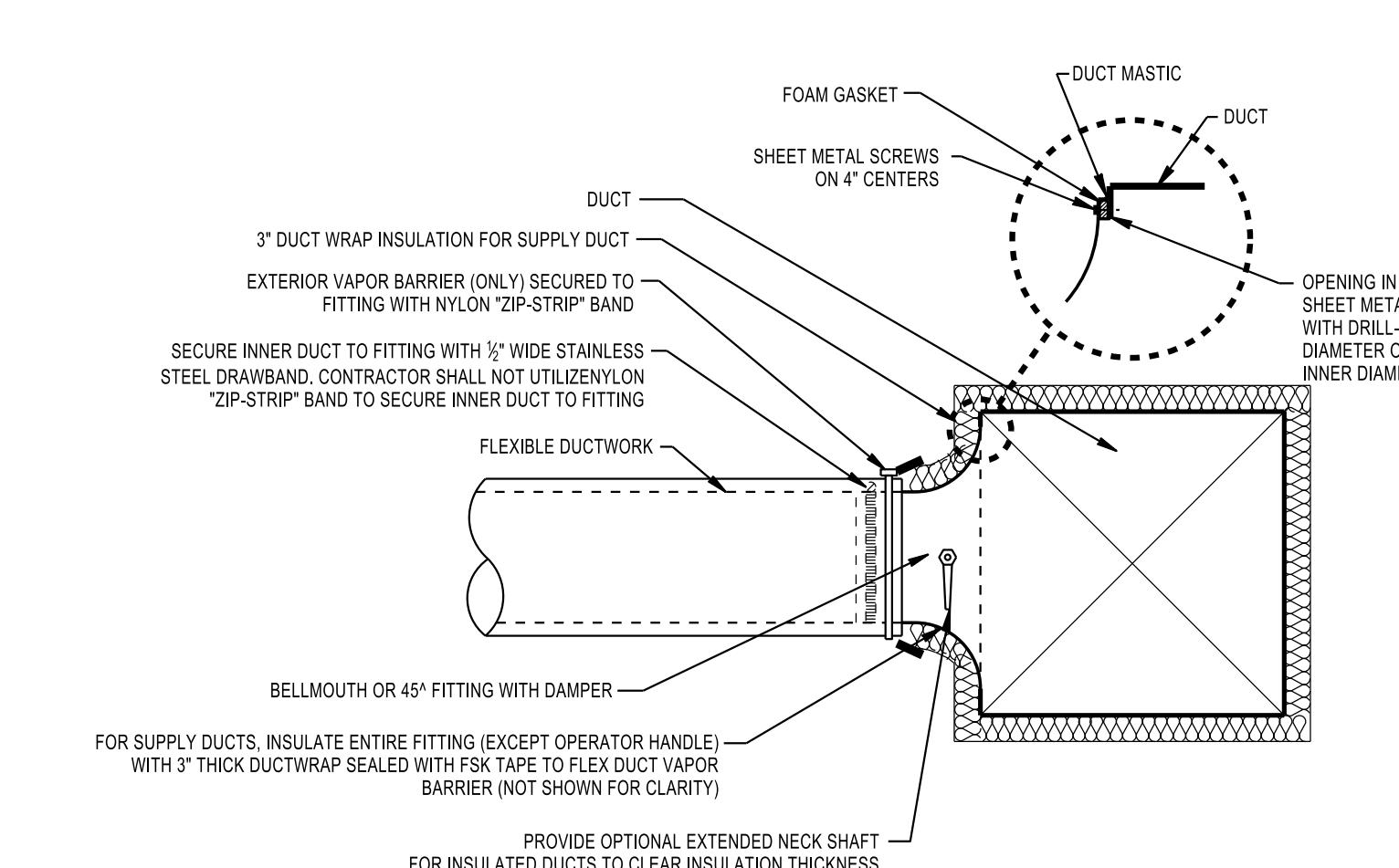
CONDENSATE DRAIN TRAP DETAIL  
SCALE: NONE



PIPE SLEEVE DETAIL -  
REFRIGERANT PIPE THRU EXTERIOR WALL  
SCALE: NONE



CEILING GRILLE DUCT CONNECTION DETAIL  
SCALE: NONE



BELLMOUTH AND 45° FITTING TAKEOFF DETAIL  
SCALE: NONE



ARCHITECTS  
348 COTTON AVE. #500  
P.O. BOX 110  
MACON, GEORGIA 31021



ANDREWS, HAMMOCK & POWELL, INC.

250 Charter Lane  
Suite 100  
Macon, Georgia 31210  
Phone: (478)405-8301  
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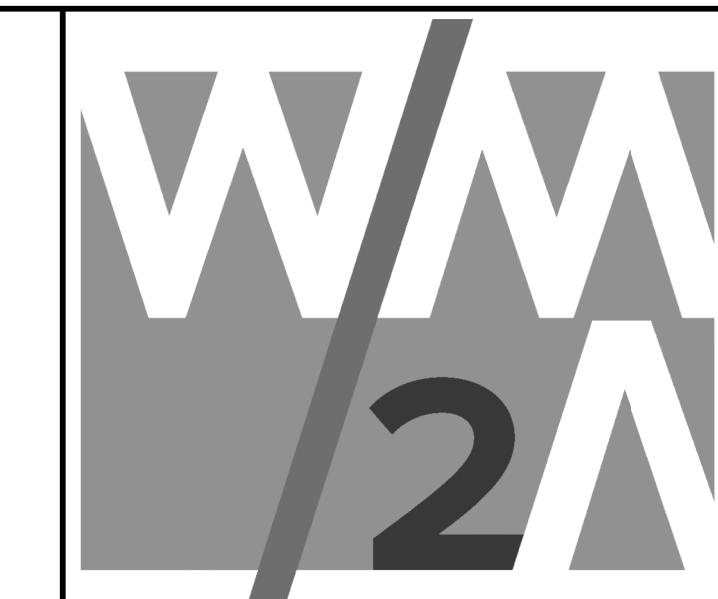
Date:	05/16/2016
Drawn By:	WDD
Checked By:	RRM
Project Number:	2016-08
Sheet Name:	Mechanical Legend, General Notes & Schedules
Sheet Number:	M601

FAN COIL UNITS																						
TAG	CARRIER MODEL NO.	TOTAL NET COOLING MBH	SENSIBLE NET COOLING	TOTAL SENSIBLE CFM	OA CFM	INT. HUM. CAP. MBH	AUX. HTG. IN KW	APPROX. ESP. IN INCHES	BLOWER MOTOR CFM	ENTERING AIR TEMP. °FDB °FWB	NOTES:											
1. VERTICAL DRAW THRU FAN COIL UNIT WITH SINGLE WALL CONSTRUCTION AND 1" THICK R42 INSULATION. PROVIDE BAKED ENAMEL FINISH. SEE VERTICAL FOU DETAIL.																						
2. COOLING CAPACITIES BASED ON AIR ENTERING EVAPORATOR AT SCHEDULED CONDITIONS AND MATCHED WITH INDICATED HEAT PUMP UNIT.																						
3. HEATING CAPACITY BASED ON 70°F RETURN AIR AND OUTDOOR AIR AT 17°F, AND MATCHED WITH INDICATED HEAT PUMP UNIT.																						
4. PROVIDE DX COOLING COIL WITH FACTORY INSTALLED THERMOSTATIC EXPANSION VALVE FOR REFRIGERANT CONTROL.																						
5. SCHEDULED CAPACITIES ARE OVERALL CAPACITIES FOR MATCHED HEAT PUMP UNIT AND EVAPORATOR COIL WITH 2" LINE LOSS.																						
6. EXTERNAL STATIC PRESSURE SCHEDULED DOES NOT INCLUDE WET COOLING COIL, CASING, ELECTRIC HEAT COIL OR FILTER LOSSES. BLOWER MOTOR MUST OVERCOME E.S.P. AT CONNECTED VOLTAGE.																						
7. PROVIDE UNIT MOUNTED FACTORY PROVIDED FIELD INSTALLED ELECTRIC STRIP HEATERS OF INDICATED KW AT CONNECTED VOLTAGE. PROVIDE SINGLE POINT UNIT POWER CONNECTION FOR ENTIRE UNIT.																						
8. PROVIDE FAN MOTOR CONTACTOR, TERMINAL STRIP, AND ALL CONTROLS.																						
9. PROVIDE DOUBLE SLOPED REMOVABLE CONDENSATE DRAIN PAN. PROVIDE TRAPPED CONDENSATE DRAIN. SEE CONDENSATE DRAIN TRAP DETAIL.																						
10. PROVIDE VARIABLE SPEED ECM SUPPLY FAN MOTOR.																						
11. PROVIDE CARRIER THERMOSTAT PERFORMANCE EDGE MODEL TP-PRH-01 PROGRAMMABLE TEMPERATURE/HUMIDITY CONTROLLER. THERMOSTAT/CONTROLLER SHALL BE PROVIDED BY EQUIPMENT MANUFACTURER.																						

FILTERS									
FILTER TYPE	CANISTER FABRICATION MODEL NUMBER	APPLICATION	MAXIMUM PRESSURE DROP @ INITIAL FACE VELOCITY	ASHRAE MERV	FILTER THICKNESS	NOTES:	RD IN WG	FRM	
PLEATED	AERO PLEAT	FCU-1	23	500	7	1"	1:2:3:4		
1. UL CLASS 2, MEDIUM EFFICIENCY, COTTON AND SYNTHETIC MEDIA FILTER.									
2. PROVIDE RIGID HEAVY DUTY FRAME BONDED TO MEDIA WITH WELDED WIRE PLEATED SUPPORT GRID TO MAINTAIN RADIAL PLEAT.									
3. FILTER MINIMUM EFFICIENCY REPORTING VALUE (MERV) RATING BASED ON EVALUATION IN ACCORDANCE WITH ASHRAE STANDARD 52.2-1999.									
4. CONTRACTOR SHALL PROVIDE EXTRA SET OF FILTERS FOR EACH NEW UNIT, IN ADDITION TO THE CLEAN FILTERS INSTALLED IN THE UNIT WHEN TURNED OVER TO THE OWNER.									

EXHAUST FANS							
TAG	GREENHECK MODEL NO.	CFM	FAN STATIC PRESSURE IN W.G.	FAN RPM	MOTOR HP	MAX SONES	NOTES:
EF-1	SPA-700	450	0.30	1100	350 WATTS	2.5	1:2:3:4
EF-2	SPA-700	450	0.30	1100	350 WATTS	2.5	1:2:3:4
EF-3	SP-800	75	0.25	700	50 WATTS	2.5	1:2:3:4
1. CENTRIFUGAL CEILING EXHAUST FAN WITH INTEGRAL GRILLE, FLAPPER BD DAMPER, PLUG AND CORD SET AND MOUNTING BRACKETS. PROVIDE FACTORY, GRILLE MOUNTED MOTION SENSOR.							
2. DIRECT DRIVE.							
3. PROVIDE FACTORY MOUNTED DISCONNECT SWITCH.							
4. PROVIDE SPEED CONTROLLER.							

GRILLES						
TAG	PRICE MODEL NUMBER	SIZE OR LENGTH	FINISH	THROW	NOTES:	
A	SCD	8'0"	WHITE	4-WAY	1:5:7:8:12	
B	SCD	8'0"	WHITE	4-WAY	1:5:7:8:12	
C	SCD	10'0"	WHITE	4-WAY	1:5:7:8:12	
D	SCD	12'0"	WHITE	4-WAY	1:5:7:8:12	
E	* 95	30 X 18	PRIMECOAT	—	6:7:11:13	
F	80	24" X 24" CORE	WHITE	—	3:5:7:9	
G	95	36 X 36	PRIMECOAT	—	6:7:11:13	
H	S20D	18 X 8	PRIMECOAT	—	4:5:7:10:13	
I	* 520D	14 X 8	PRIMECOAT	SIDEWALL	4:6:7:10:13	
J	SMD	12 X 12, 8'0"	WHITE	4-WAY	2:4:6:7	
1. LOUVERED FACE SQUARE 4-CONE STEEL CEILING SUPPLY DIFFUSER WITH FIXED AIR 360° DISCHARGE PATTERN AS SCHEDULED. PROVIDE FULL FACED LOUVERS. PROVIDE FACTORY INSULATED BACKPACK.						
2. LOUVERED FACE HIGH CAPACITY STEEL CEILING SUPPLY DIFFUSER WITH FIXED AIR DISCHARGE PATTERN AS SCHEDULED.						
3. ALL ALUMINUM 1/2" X 1/2" X 1/2" EGG CRATE EXHAUST/RETURN GRILLE.						
4. PROVIDE OPPOSED BLADE DAMPER.						
5. IN 24 X 24 PANEL FOR LAY-IN CEILING.						
6. FLANGED FRAME FOR SURFACE MOUNTING.						
7. NC LEVEL NOT TO EXCEED NC 35.						
8. SEE CEILING GRILLE DUCT CONNECTION DETAIL.						
9. CORE ONLY PANEL.						
10. DOUBLE DEFLECTION SIDEWALL GRILLE WITH 1/2" BLADE SPACING AND FRONTS BLADES PARALLEL TO THE LONG DIMENSION.						
11. HEAVY DUTY STEEL SIDEWALL GRILLE WITH 1/2" BLADE SPACING AND BLADES PARALLEL TO THE LONG DIMENSION.						
12. PROVIDE RADIAL BALANCING DAMPER IN NECK OF DIFFUSER. MODEL VDR (PRICE) OR EQUAL BY OTHERS.						



ARCHITECTS  
348 COTTON AVE. #500  
P.O. BOX 110  
MACON, GEORGIA 31021

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ANDREWS, HAMMOCK  
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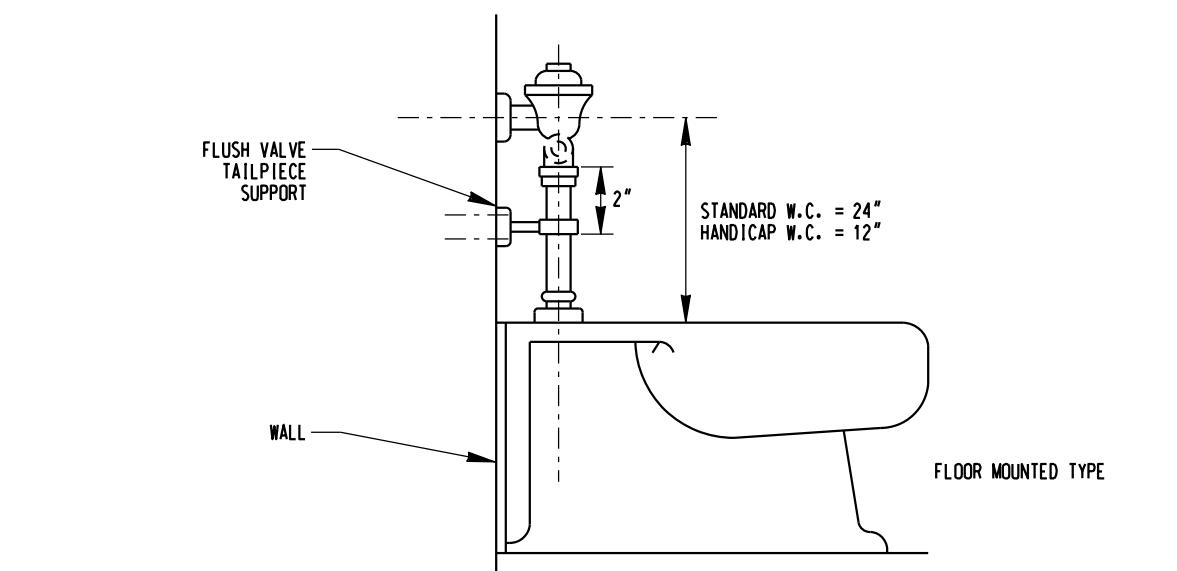
Date:	05/16/2016
Drawn By:	RNH
Checked By:	RNH
Project Number:	2016-08
Sheet Name:	PLUMBING DEMOLITION AND NEW WORK PLANS DETAILS, SCHEDULE AND LEGEND
Sheet Number:	P101

PLUMBING LEGEND	
SOL OR WASTE PIPING	
VENT PIPING	
COLD WATER PIPING	
HOT WATER PIPING	
BALL VALVE (2" & SMALLER) OR BUTTERFLY VALVE (2 1/2" & LARGER)	
VALVE IN PIPING DROPS	
PIPING DROP IN DIRECTION OF FLOW	
PIPING RISE IN DIRECTION OF FLOW	
DEIECTRIC UNION	
PIPING TEE FROM TOP OF MAIN	
PIPING TEE FROM BOTTOM OF MAIN	
C.P.H.B.	
W.H.	
F.D.	
FLOOR DRAIN	
F.C.O.	
FLOOR CLEANOUT	
W.C.O.	
O.S.C.O.	
V.T.R.	
VENT THRU ROOF	
POINT OF CONNECTION	

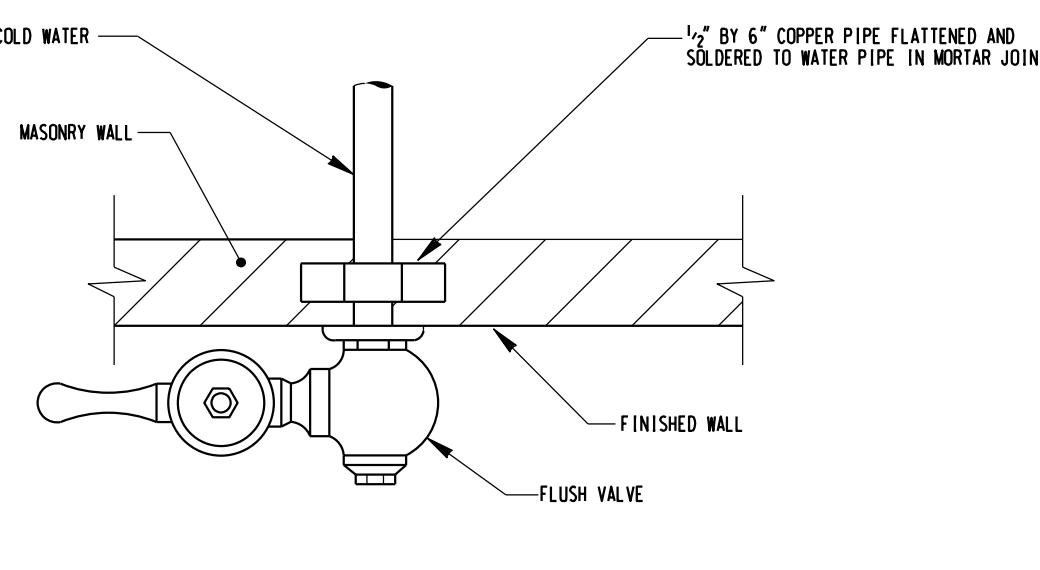
GENERAL NOTES	
1. THESE DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS.	
2. INSTALLATION OF PIPE AND EQUIPMENT SHOWN AND SPECIFIED SHALL BE COORDINATED WITH ALL OTHER WORK RELATED TO THE CONSTRUCTION OF THIS FACILITY INCLUDING BUT NOT LIMITED TO: BUILDING STRUCTURE; HVAC EQUIPMENT, DUCT WORK AND PIPING; ELECTRICAL WORK AND OWNER FURNISHED EQUIPMENT.	
3. STRUCTURAL MEMBERS SHALL NOT BE PENETRATED WITHOUT APPROVAL FROM ARCHITECT.	
4. ROUTE ALL PIPING CONTAINING FLUIDS SUBJECT TO FREEZING WITHIN THE BUILDING INSULATION ENVELOPE OR PROVIDE HEAT TAPE.	
5. ROUTE SANITARY VENT PIPING SO VENTS THRU ROOF WILL BE A MINIMUM OF 15'-0" FROM ALL OUTSIDE AIR INTAKES AND A MINIMUM OF 5'-0" FROM EXTERIOR WALLS, ROOF EXPANSION JOINTS AND ROOF MOUNTED EQUIPMENT.	
6. WHERE CHASE WALLS ARE NOT FURNISHED, PIPING SHALL NOT BE Routed HOrizontally. AVOID CUTTING STUDS.	
7. THIS PROJECT INVOLVES RENOVATION OF AN EXISTING FACILITY. CONTRACTOR IS REQUIRED TO MINIMIZE DISRUPTION OF THE OCCUPANTS. THIS REQUIREMENT INCLUDES BUT IS NOT LIMITED TO: SCHEDULING AND PHASING OF WORK AFTER HOURS OR ON WEEKENDS; PROVIDING TEMPORARY ENCLOSURES BETWEEN OCCUPIED AND CONSTRUCTION AREAS AND RESTORING OR REPLACING ANY CONTRACTOR DAMAGED ITEMS TO ORIGINAL CONDITIONS.	

Fixture Connection Schedule									
MARK	Fixture	Notes	RIM HEIGHT	COLD WATER		HOT WATER		WASTE	
				BRANCH	CONN.	BRANCH	CONN.	BRANCH	CONN.
P-1	WATER CLOSET	1	15"	1"	"	—	—	4"	4"
P-2	WATER CLOSET	1,3	18"	1"	"	—	—	4"	4"
P-3	URINAL	2,3	15"	3/4"	3/4"	—	—	2"	2"
P-4	SERVICE SINK	—	—	1/2"	1/2"	1/2"	1/2"	2"	2"
P-5	SHOWER	3	—	1/2"	1/2"	1/2"	1/2"	—	—

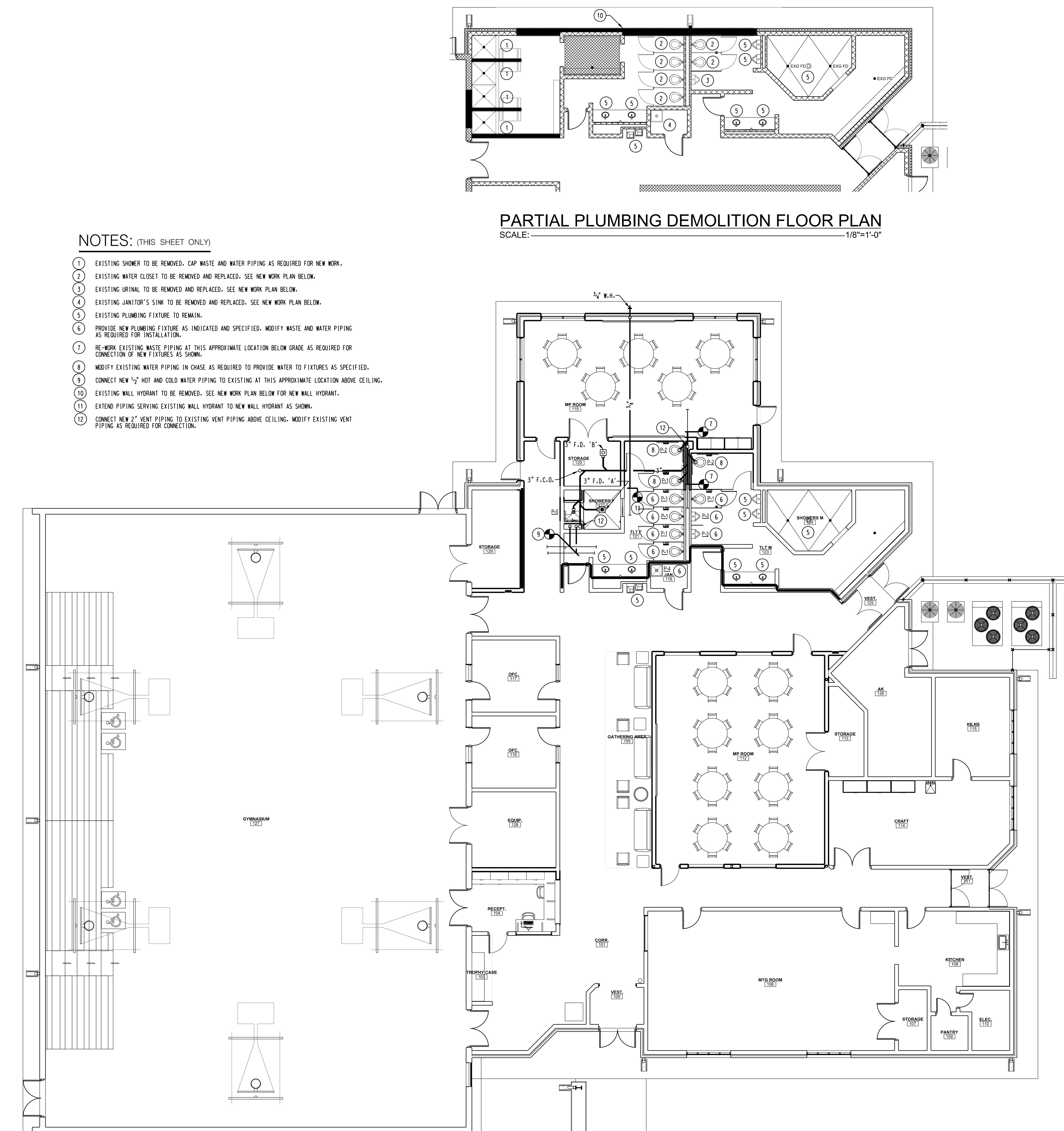
- 1. FLOOR MOUNTED, FLUSH VALVE.
- 2. WALL HUNG, FLUSH VALVE
- 3. HANDICAP ACCESSIBLE



WATER CLOSET FLUSH VALVE MOUNTING DETAIL  
SCALE: NONE



FLUSH VALVE ANCHOR  
SCALE: NONE



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

NOTE: CUT AND PATCH FLOORS AS REQUIRED FOR NEW WORK.



**WMA**  
ARCHITECTS  
348 COTTON AVE. #500  
P.O. BOX 110  
MACON, GEORGIA 31021

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**ANDREWS, HAMMOCK  
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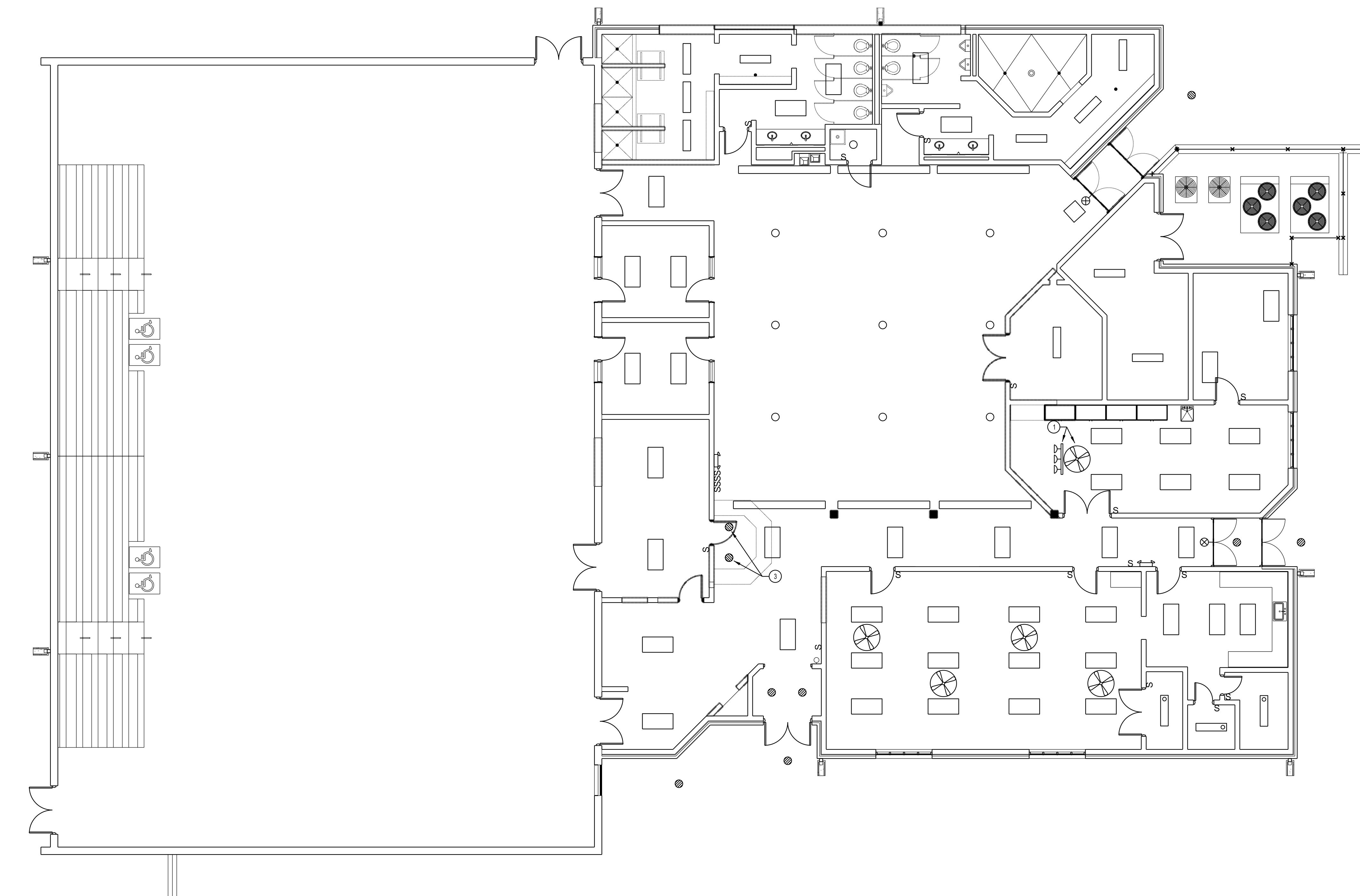
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ELECTRICAL LIGHTING EXISTING CONDITIONS DEMOLITION FLOOR PLAN

SCALE:

1/8"=1'-0"

### NOTES: (THIS SHEET ONLY)

- ① REMOVE CEILING FAN AND TRACK LIGHTS. REMOVE POWER CIRCUIT, WIRE & CONDUIT BACK TO SOURCE OF POWER.
- ② SEE NEW WORKS LIGHTING PLAN FOR ADDITIVE ALTERNATES #2 & #6 TO REPLACE SELECTED LIGHT FIXTURES WITH NEW FIXTURES/CIRCUITS.
- ③ REMOVE RECESSED CAN LIGHTS OVER RECEPTION DESK LOCATION. REMOVE CIRCUIT, WIRE & CONDUIT BACK TO SOURCE OF POWER.

### NOTE TO CONTRACTOR CONCERNING PROJECT PHASING

THE WORK SPECIFIED ON THE DRAWINGS AND SPECIFICATIONS ILLUSTRATES THE COMPLETED CONTRACTUAL REQUIREMENTS. THIS PROJECT IS PHASED IN MULTIPLE PHASES. THE AREA OF EACH PHASE IS DESCRIBED IN THE ARCHITECTURAL DOCUMENTS AND THE CONTRACTOR SHALL REVIEW THESE PHASING REQUIREMENTS. CONTRACTOR SHALL PREPARE A PHASING PLAN AND SUBMIT TO ARCHITECT/ENGINEER. THE CONTRACT DOCUMENTS DO NOT DESCRIBE THE SPECIFIC WORK REQUIRED BY THE CONTRACTOR TO PERFORM THE PROJECT IN PHASES. BUT CONTRACTOR SHALL PREPARE PHASING PLAN AND SUBMIT TO ARCHITECT/ENGINEER.

### GENERAL DEMO NOTES

THE INTENT OF THIS DRAWING IS TO SHOW GENERALLY THE EXTENT OF WORK REQUIRED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE NATURE OF EXISTING CONDUIT, FIXTURES, CONDUCTORS, DEVICES AND EXPOSED CONDUIT ETC FOR REMODELED SPACES (COORDINATE WITH ARCHITECTURAL PLANS). CONDUIT THAT IS CONCEALED WITHIN WALLS AND CONDUIT IN OR BELOW FLOOR SLAB SHALL BE CUT-OFF FLUSH WITH THE SURFACE, PLUGGED AND ABANDONED IN PLACE.

### GENERAL NOTE

PROVIDE NEW DEVICES AND COVER PLATES AS SPECIFIED IN EXISTING TO REMAIN LOCATIONS. MAKE ALL CONNECTIONS TO EXISTING CIRCUIT CONDUCTORS AND EXTEND EXISTING CONDUCTORS AS NECESSARY.  
EXISTING CIRCUITS UTILIZE CONDUIT SYSTEM FOR GROUNDING PATH. CONTRACTOR SHALL TEST AND VERIFY THE EXISTING CONTINUITY OF THIS GROUNDING PATH IF THE EXISTING GROUNDING PATH IS DETERMINED TO BE NON-CONTINUOUS, THE CONTRACTOR SHALL REMEDY THAT BY PROVIDING #12 GROUNDING CONDUCTOR IN EXISTING CONDUIT. CONTRACTOR SHALL ROUTE ALL NEW CONDUIT CONCEALED WHERE POSSIBLE. EXISTING SWITCH LOCATIONS MUST BE TILED OVER TO MAKE ACCESSIBLE AND SWITCING HEIGHT IS 48". SWITCHES SHALL BE INSTALLED CONCEALED IN EXISTING WALLS. SWITCHES INSTALLED ON EXISTING WALLS SHALL BE SURFACE MOUNTED WITH SURFACE METAL RACEWAY INSTALLED TO ABOVE ACCESSIBLE CEILING. PER DETAIL.

Date: 05/16/2016

Drawn By: AJS

Checked By: EDM

Project Number: 2016-08

Sheet Name:  
**Electrical Lighting Demolition Floor Plan**

Sheet Number:

**ED101**

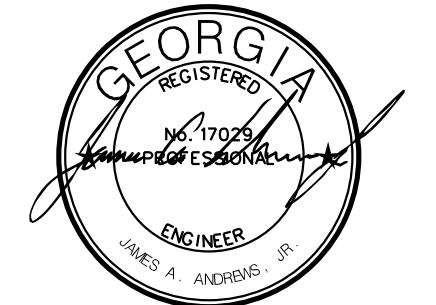


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ARCHITECTS  
348 COTTON AVE. #500  
P.O. BOX 110  
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**ANDREWS, HAMMOCK  
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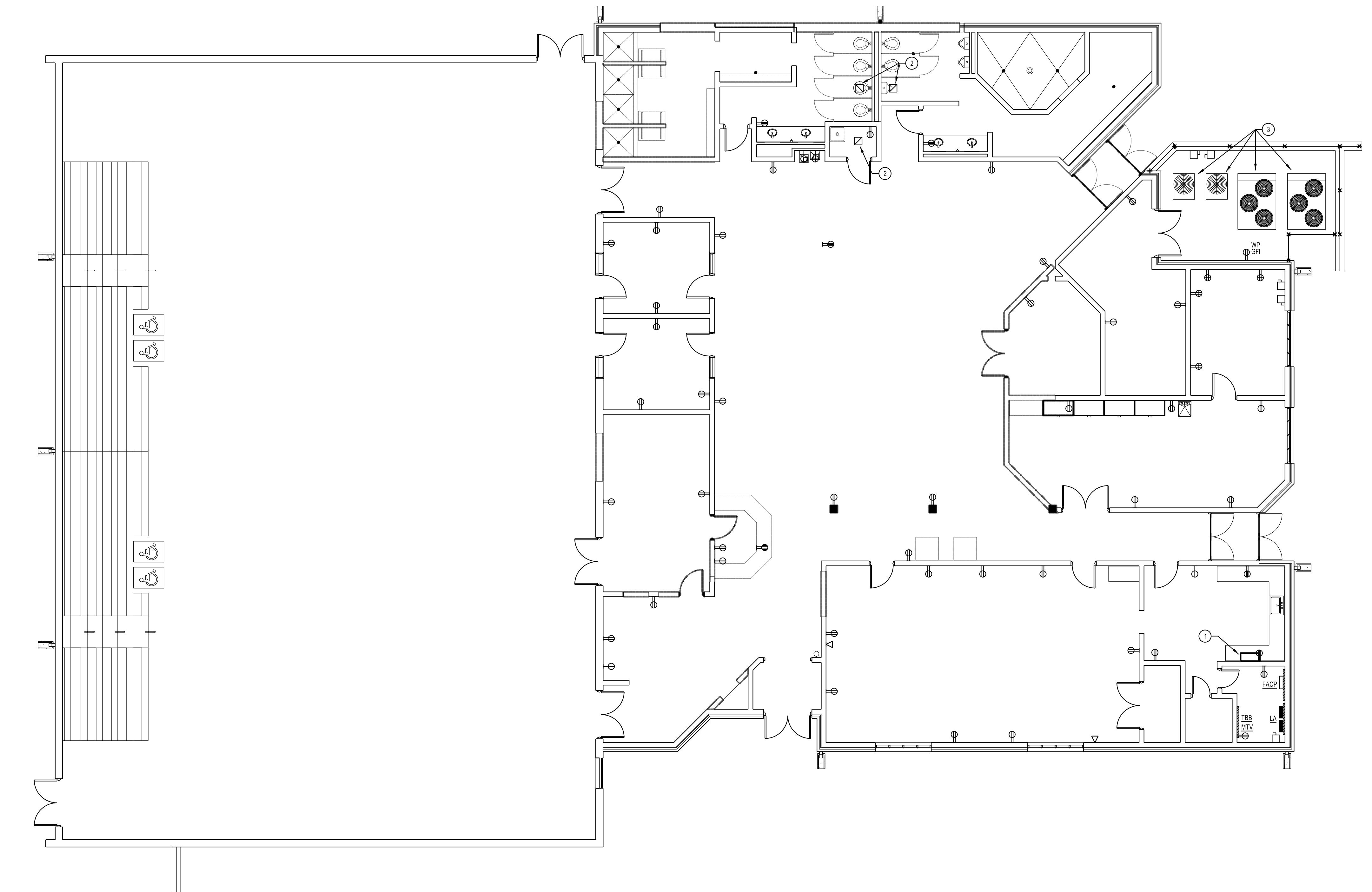
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Project Number: 2016-08

Sheet Name:  
**Electrical Power Demolition Floor Plan**

Sheet Number:

**ED201**



ELECTRICAL POWER EXISTING CONDITIONS DEMOLITION FLOOR PLAN

SCALE:

1/8"=1'-0"



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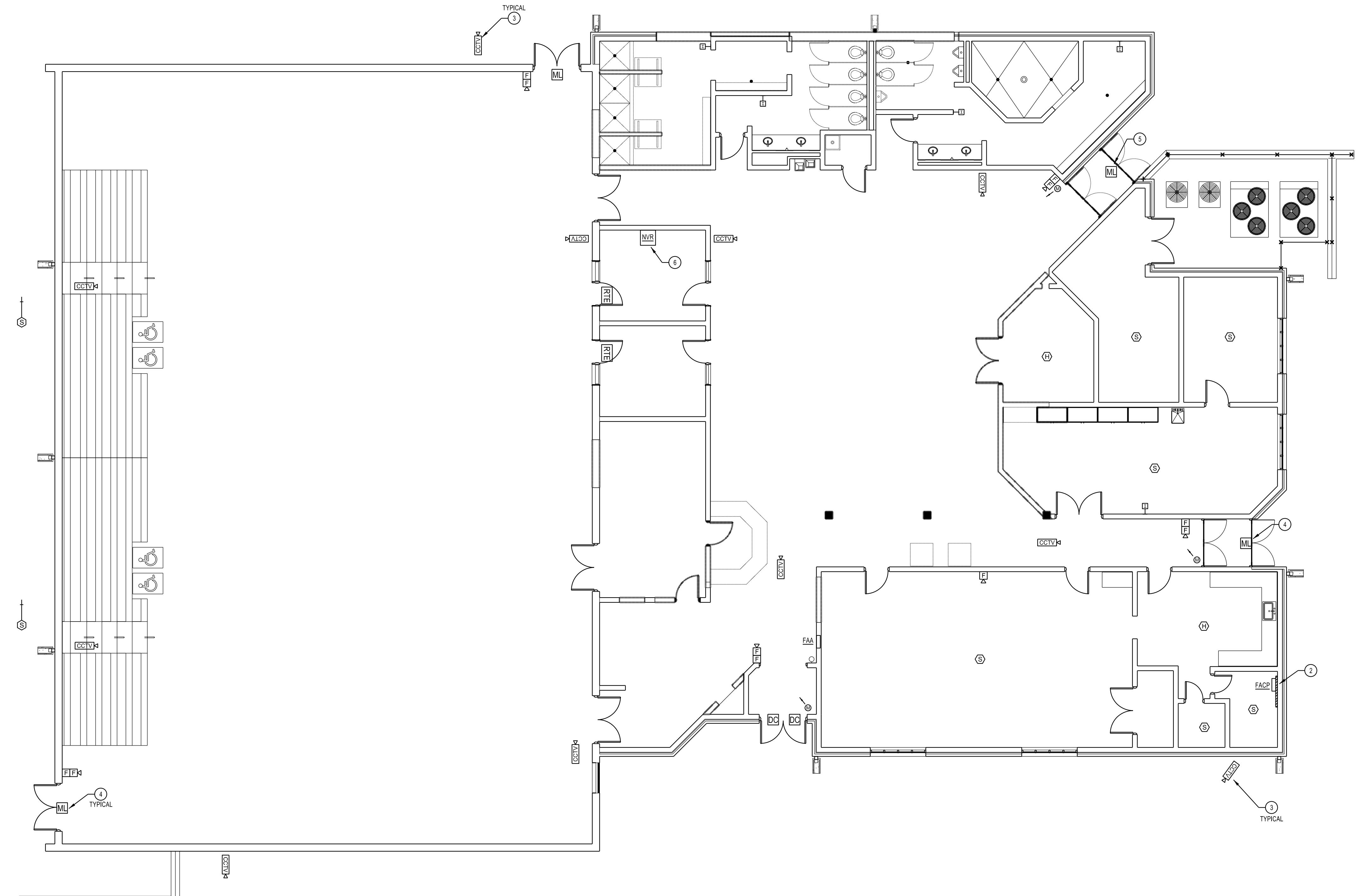
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Date:	05/16/2016
Drawn By:	AJS
Checked By:	EDM
Project Number:	2016-08
Sheet Name:	Electrical Low Voltage Demolition Floor Plan
Sheet Number:	

**ED301**



ELECTRICAL LOW VOLTAGE EXISTING CONDITIONS DEMOLITION FLOOR PLAN

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



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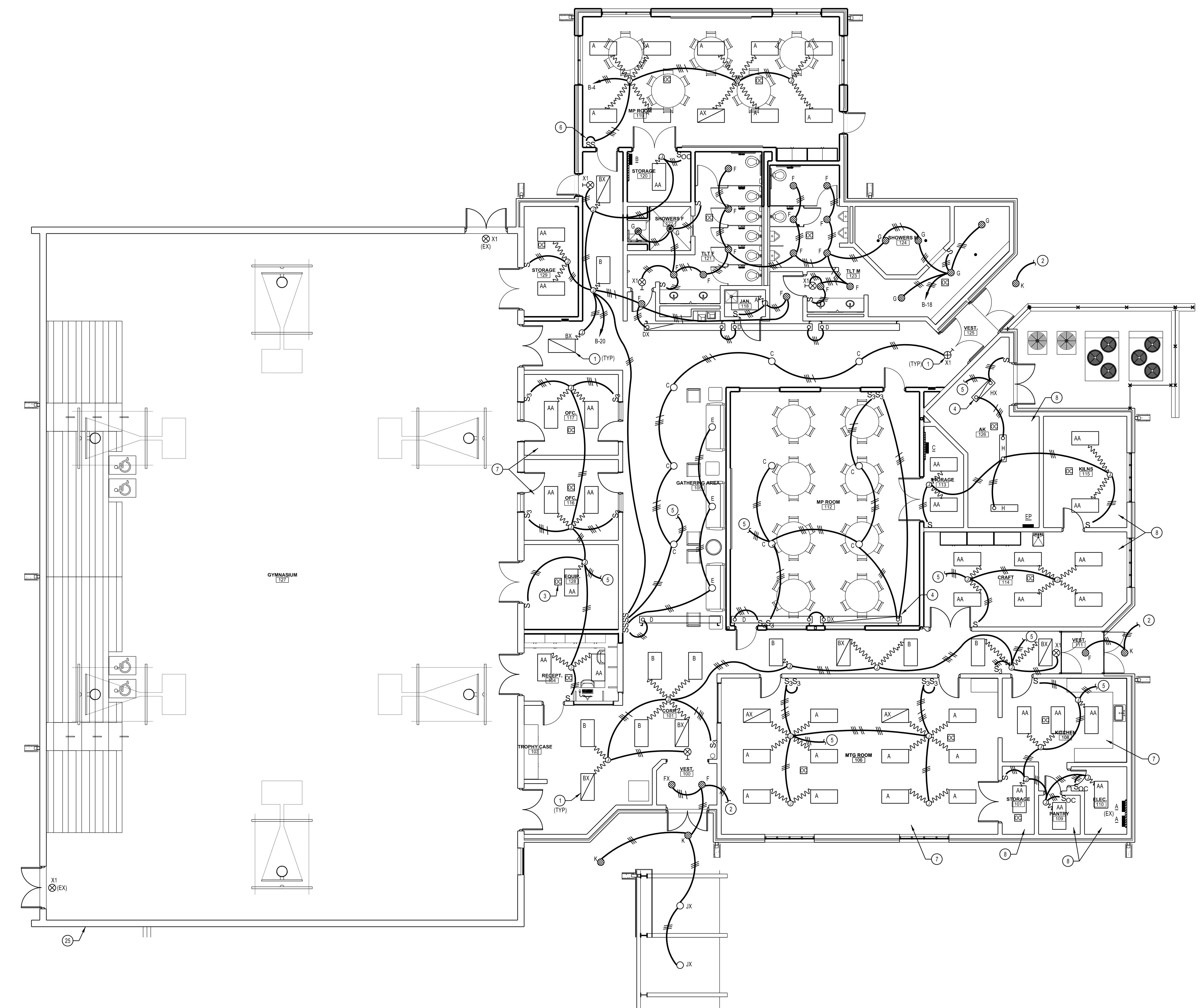


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ELECTRICAL NEW WORK LIGHTING FLOOR PLAN

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

### NOTES: (THIS SHEET ONLY)

- ① GENERAL: ALL EMERGENCY EGRESS LIGHT FIXTURES AND EXIT SIGNS SHALL BE UNSWITCHED. RECONNECT TO EXISTING EMERGENCY LIGHTING CIRCUIT NEARLY UTILITIES #12, #10G.
- ② CONTRACTOR SHALL UTILIZE #12, #10G,  $\frac{1}{2}$ "C AND MAKE CONNECTION TO EXISTING 120V UNSWITCHED LIGHTING CIRCUIT.
- ③ DUAL TECHNOLOGY CEILING MOUNTED OCCUPANCY SENSOR (WATTSTOPPER #DT-205).
- ④ LIGHT FIXTURE IS SWITCHED AND BATTERY PACK SHALL BE UNSWITCHED.
- ⑤ GENERAL: CONTRACTOR SHALL UTILIZE #12, #10G,  $\frac{1}{2}$ "C AND MAKE CONNECTION TO EXISTING 120V LIGHTING CIRCUIT.
- ⑥ PROVIDE DUAL SWITCHING FOR STEP DIMMING OF LIGHT FIXTURES.
- ⑦ EXISTING LIGHT FIXTURES/CIRCUITS IN THIS SPACE SHALL REMAIN AS IS UNDER BASE BD. ADD ALTERNATE #7 SHALL PROVIDE NEW LIGHT FIXTURES AS SHOWN.
- ⑧ EXISTING LIGHT FIXTURES/CIRCUITS IN THIS SPACE SHALL REMAIN AS IS UNDER BASE BD. ADD ALTERNATE #8 SHALL PROVIDE NEW LIGHT FIXTURES AS SHOWN.

Date:	05/16/2016
Drawn By:	AJS
Checked By:	EDM
Project Number:	2016-08
Sheet Name:	Electrical New Work Lighting Floor Plan

Sheet Number:

E101



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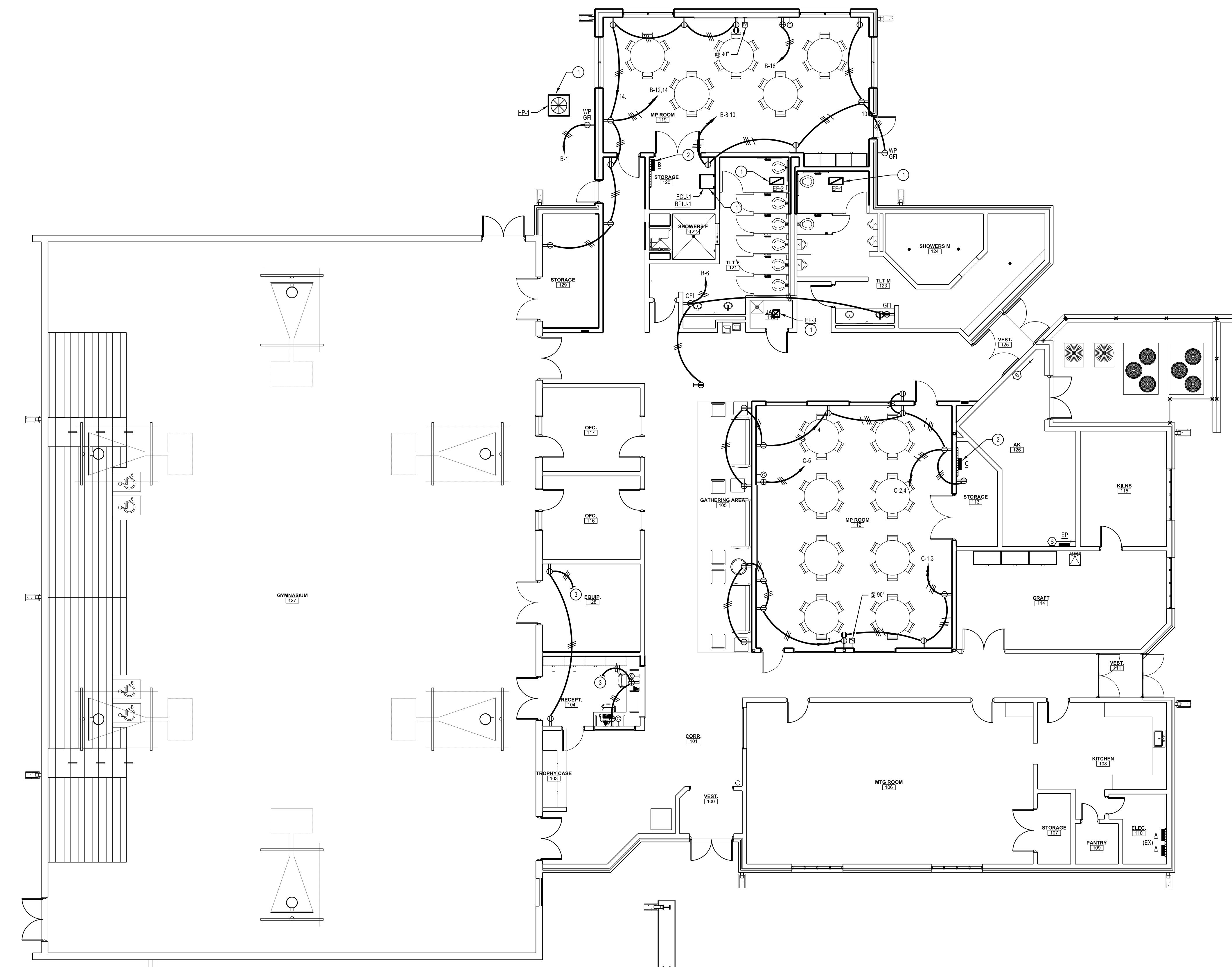
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ELECTRICAL NEW WORK POWER FLOOR PLAN

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

- NOTES: (THIS SHEET ONLY)**
- (1) SEE MECHANICAL EQUIPMENT POWER SCHEDULE FOR NEW HVAC CIRCUIT REQUIREMENTS.
  - (2) PROVIDE NEW PANEL PER PANEL SCHEDULE & SPECIFICATION 262416.
  - (3) MAKE CONNECTION TO EXISTING CIRCUIT WITH #12; #12G; 1/2C.



PARTIAL POWER RISER DIAGRAM

SCALE: NONE

PARTIAL POWER RISER DIAGRAM

SCALE: NONE

REVISIONS  
# DATE DESCRIPTION

Date: 05/16/2016

Drawn By: AJS

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Project Number: 2016-08

Sheet Name:  
Electrical New Work  
Power Floor Plan

Sheet Number:

**E201**



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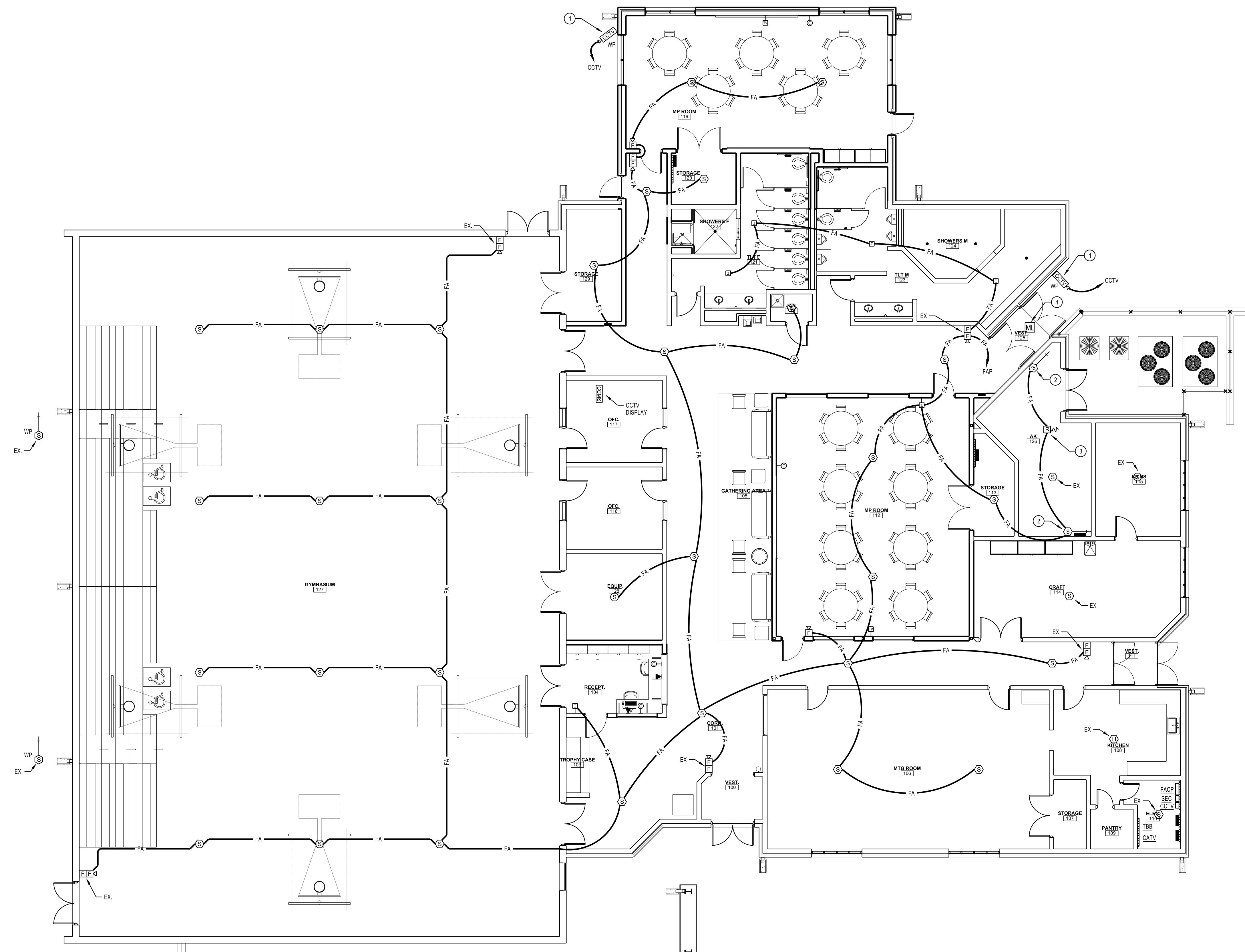


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BIBB COUNTY  
RECREATION  
DEPARTMENT

815 N MACON PARK DR  
MACON, GA 31210

REVISIONS  
# DATE DESCRIPTION



ELECTRICAL NEW WORK LOW VOLTAGE FLOOR PLAN

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

### NOTES: (THIS SHEET ONLY)

- (1) PROVIDE CCTV SECURITY CAMERA PER SPECIFICATION 20300.
- (2) PROVIDE DUCT MOUNTED SMOKE DETECTOR PER SPECIFICATION 20310. DUCT SMOKE DETECTOR SHALL BE INSTALLED IN EXISTING DUCTWORK BY MECHANICAL AND WIRED BY ELECTRICAL.
- (3) PROVIDE A "FIRE ALARM SHUTDOWN RELAY" AS PART OF THE FIRE ALARM SYSTEM.
- (4) REINSTALL EXISTING MAGLOCK ON DOORS AFTER REPLACEMENT OF EXISTING DOOR SET.
- (5) EX = EXISTING

Date:	05/16/2016
Drawn By:	AJS
Checked By:	EDM
Project Number:	2016-08
Sheet Name:	Electrical New Work Low Voltage Floor Plan
Sheet Number:	E301



PANEL		B	MAINS	100A ML0			A.I.C.			10,000							
VOLTAGE		120/208V, 3PH, 4W		ENTRY	BOTTOM			MOUNTING			SURFACE						
DEVICE		BRANCH CIRCUIT					PHASE LOAD (KVA)			BRANCH CIRCUITS					DEVICE		
N O T E	P O L E	T R I P		CONDUCTOR	CONDUIT	CONN KVA	No.	A	B	C	No.	CONN KVA	CONDUIT	CONDUCTOR	DESIGNATION	T R I P	P O L E
	1	20	WP, GFI CONVENIENCE OUTLET	#12, #12G	1/2"	0.2	01	1.0			02	0.8	1/2"	#12, #12G	EF-1, EF-2 & EF-3	20	1
	2	50	HP-1	#6, #10G	3/4"	2.5	03		3.3		04	0.8	1/2"	#12, #12G	LIGHTING	20	1
↓	↓	↓	↓	↓	↓	2.5	05			2.9	06	0.4	1/2"	#12, #12G	CONVENIENCE OUTLETS	20	1
	2	60	FCU-1	#6, #10G	3/4"	3.8	07	4.6			08	0.8	1/2"	#12, #12G	CONVENIENCE OUTLETS	20	1
↓	↓	↓	↓	↓	↓	3.8	09		4.0		10	0.2	↓	↓	CONVENIENCE OUTLETS	20	1
	1	20	SPARE				11			0.8	12	0.8	1/2"	#12, #12G	CONVENIENCE OUTLETS	20	1
	1	20	SPARE				13	0.6			14	0.6	↓	↓	CONVENIENCE OUTLETS	20	1
	1	20	SPARE				15		0.4		16	0.4	1/2"	#12, #12IG	COMPUTER OUTLETS	20	1
	1	20	SPARE				17			1.0	18	1.0	1/2"	#12, #12G	LIGHTING	20	1
	1	20	SPARE				19	0.7			20	0.7	1/2"	#12, #12G	LIGHTING	20	1
	1	20	SPARE				21		0.0		22						
	1	20	SPARE				23			0.0	24						
	1	20	SPARE				25	0.0			26						
	1	20	SPARE				27		0.0		28						
	1	20	SPARE				29			0.0	30						
	1	20	SPARE				31	0.0			32						
	1	20	SPARE				33		0.0		34						
	1	20	SPARE				35			0.0	36						
	1	20	SPARE				37	0.0			38						
	1	20	SPARE				39		0.0		40						
	1	20	SPARE				41			0.0	42						
								6.9	7.7	4.7				PROVIDE WITH FEED THRU LUGS.			

PANEL			C	MAINS	100A MLO			A.I.C.		10,000							
VOLTAGE		120/208V, 3PH, 4W		ENTRY	BOTTOM			MOUNTING		SURFACE							
DEVICE		BRANCH CIRCUIT					PHASE LOAD (KVA)			BRANCH CIRCUITS					DEVICE		
N O T E	P O L E	T R I P		CONDUCTOR	CONDUIT	CONN KVA	No.	A	B	C	No.	CONN KVA	CONDUIT	CONDUCTOR	DESIGNATION	T R I P	P O L E
1	20		CONVENIENCE OUTLET	#12, #12G	1/2"	0.6	01	1.2			02	0.6	1/2"	#12, #12G	CONVENIENCE OUTLET	20	1
1	20		CONVENIENCE OUTLET		↓	0.8	03		1.6		04	0.8	↓		CONVENIENCE OUTLET	20	1
1	20		COMPUTER OUTLETS	#12, #12IG	1/2"	0.4	05			0.4	06				SPARE	20	1
1	20		SPARE				07	0.0			08				SPARE	20	1
1	20		SPARE				09		0.0		10				SPARE	20	1
1	20		SPARE				11			0.0	12				SPARE	20	1
1	20		SPARE				13	0.0			14				SPARE	20	1
1	20		SPARE				15		0.0		16				SPARE	20	1
1	20		SPARE				17			0.0	18						
1	20		SPARE				19	0.0			20						
1	20		SPARE				21		0.0		22						
1	20		SPARE				23			0.0	24						
1	20		SPARE				25	0.0			26						
1	20		SPARE				27		0.0		28						
1	20		SPARE				29			0.0	30						
1	20		SPARE				31	0.0			32						
1	20		SPARE				33		0.0		34						
1	20		SPARE				35			0.0	36						
1	20		SPARE				37	0.0			38						
1	20		SPARE				39		0.0		40						
1	20		SPARE				41			0.0	42						

## LIGHTING FIXTURE SCHEDULE

LIGHTING FIXTURE SCHEDULE						
ARK	LAMPS	VOLTAGE	MANUFACTURER & CATALOG NO.	MOUNTING	DESCRIPTION	NOTES
A	LED	120	LITHONIA # 2GTL 4G72LRMMVOLTSLDL P840 H.E. WILLIAMS, HUBBELL, DAYBRITE, COLUMBIA	2X4 RECESSED GRID	STATIC LENSED LED TROFFER WITH REGRESSED ALUMINUM DOOR	1
B	LED	120	LITHONIA # 2VTL60LADPMVOLTEZ1LP840 H.E. WILLIAMS, HUBBELL, DAYBRITE, COLUMBIA	2X4 RECESSED GRID	VOLUMETRIC LED TROFFER WITH SINGLE CENTER DIFFUSER	
C	LED 99W	120	PORTFOLIO #LSMP90W9040D010TE LITHONIA, H.E. WILLIAMS, HUBBELL, DAYBRITE, COLUMBIA	PENDANT	DOWN WITH 0-10 VOLT DIMMING, 3' PENDANT STEM DIE CAST ALUMINUM HOUSING, SPUN ALUMINUM TOP, 18" DIA	2,3,4
D	LED	120	MARK ARCH LIGHTING #54LWID12FT1H40-2H40DC-EOHNSCT120WHTEZBSCTEMP K METALUX, LIGHTOLIER, DAYBRITE, H.E. WILLIAMS, COLUMBIA	12' WALL BRACKET	DIRECT/ INDIRECT, ALUMINUM WITH ACRYLIC LENS & DUST COVER	3
E	LED	120	LIGHTWAY #SNOH-11-LEDU19W4T6WSADIM H.E. WILLIAMS, HUBBELL, DAYBRITE, COLUMBIA, COOPER	PENDANT	DECORATIVE PENDANT HANGING FIXTURE	3
F	LED	120	LITHONIA GOTHAM # EVO40/456ARMDLSSMVOLT KIRLIN, HALO, LIGHTOLIER, PRESCOLITE	RECESSED	6" LED DOWNLIGHT	
G	LED	120	LITHONIA #EVO40/45-6-DFRMVOLT KIRLIN, HALO, LIGHTOLIER, PRESCOLITE, JUNO	RECESSED	6" LED SHOWER DOWNLIGHT	
H	2-28WT5	120	LITHONIA #UN228-WGCUN METALUX, LIGHTOLIER, DAY-BRITE, COLUMBIA	SURFACE	HEAVY DUTY STRIP WITH WIRE GUARD	
J	LED 20W	120	KENALL MILLENIUM EDGE #MR13FFDPPMW20L40KLELMS9500 KIRLIN, COOPER, EVERGREEN, PHILIPS, HUBBEL, JUNO	SURFACE, CEILING	13" ROUND VANDAL RESISTANT, TAMPERPROOF, WET LOCATION LISTED, LENSED FIXTURE WITH INTEGRAL BATTERY INVERTER & MOTION SENSOR, FLAT FACE, DEEP PROFILE ENCLOSURE	3
K	LED	120	CREE #LR6-18L40K120VA KIRLIN, HALO, LIGHTOLIER, PRESCOLITE, JUNO	RECESSED	6" RETROFIT LED DOWNLIGHT, WET LOCATION LISTED, 1800 LUMENS	
AA	LED	120	LITHONIA # 2GTL 4G72LRMMVOLTSEZ1P840 H.E. WILLIAMS, HUBBELL, DAYBRITE, COLUMBIA	2X4 RECESSED GRID	STATIC LENSED LED TROFFER WITH REGRESSED ALUMINUM DOOR	
X	---	120	LITHONIA #PS1400 EQUALS BY BODINE, SURELITES, EMERGILITE	INSIDE FIXTURE BALLAST CHANNEL	1400 LUMEN EMERGENCY BATTERY/ INVERTER	
X1	W/UNIT	120	LITHONIA #LES-ELN-W1R CHLORIDE, EMERGI-LITE, PRESCOLITE	UNIVERSAL	CAST ALUMINUM, STENCIL FACE, LED SINGLE FACE EXIT WITH CHEVRON ARROWS	
X2	W/UNIT	120	LITHONIA #LES-ELN-W2R CHLORIDE, EMERGI-LITE, PRESCOLITE	UNIVERSAL	CAST ALUMINUM, STENCIL FACE, LED DOUBLE FACE EXIT WITH CHEVRON ARROWS	

## ELECTRICAL LEGEND

# ELECTRICAL LEGEND

## LIGHTING FIXTURES - SEE LIGHTING FIXTURE SCHEDULE

	RECESSED GRID FLUORESCENT
	EMERGENCY EGRESS FLUORESCENT
	SURFACE MOUNTED FLUORESCENT
	BRACKET MOUNTED FLUORESCENT
	SELF-CONTAINED EMERGENCY LIGHTING
	EXIT LIGHT - WALL, CEILING
	SURFACE MOUNTED DOWNLIGHT
	RECESSED MOUNTED DOWNLIGHT
	WALL BRACKET
	FLOODLIGHT
	AREA LIGHT
	TRACK LIGHTING

## CONVENIENCE OUTLETS

	SIMPLEX
	DUPLEX - WALL (WP=WEATHERPROOF, GFI=GROUNDFault PROTECTED), DOUBLE DUPLEX
	FLOOR MOUNTED DUPLEX
	DUPLEX ABOVE COUNTER
	DUPLEX - ISOLATED GROUND, DOUBLE DUPLEX ISOLATED GROUND
	FLOOR MOUNTED ISOLATED GROUND DUPLEX
	DUPLEX - MOUNTED AT 90"
	DUPLEXES - MOUNTED ABOVE AND BELOW. ONE AT 16" AND 90".
	DUPLEXES - MOUNTED ABOVE AND BELOW. ONE AT 16" AND ABOVE COUNTER.
	DUPLEX - ISOLATED GROUND, MOUNTED ABOVE COUNTER
	SPECIAL PURPOSE (CONFIG. AS NOTED)



**ARCHITECTS**  
348 COTTON AVE. #500  
P.O. BOX 110  
MACON, GEORGIA 31021



# **ANDREWS, HAMMOCK & POWELL, INC.**

250 Charter Lane  
Suite 100  
Macon, Georgia 31210  
Phone: (478)405-8301  
Fax: (478)405-8210  
[WWW.AHPENGR.COM](http://WWW.AHPENGR.COM)



# RENOVATION & ADDITION TO NORTH MACON PARK RECREATION CENTER

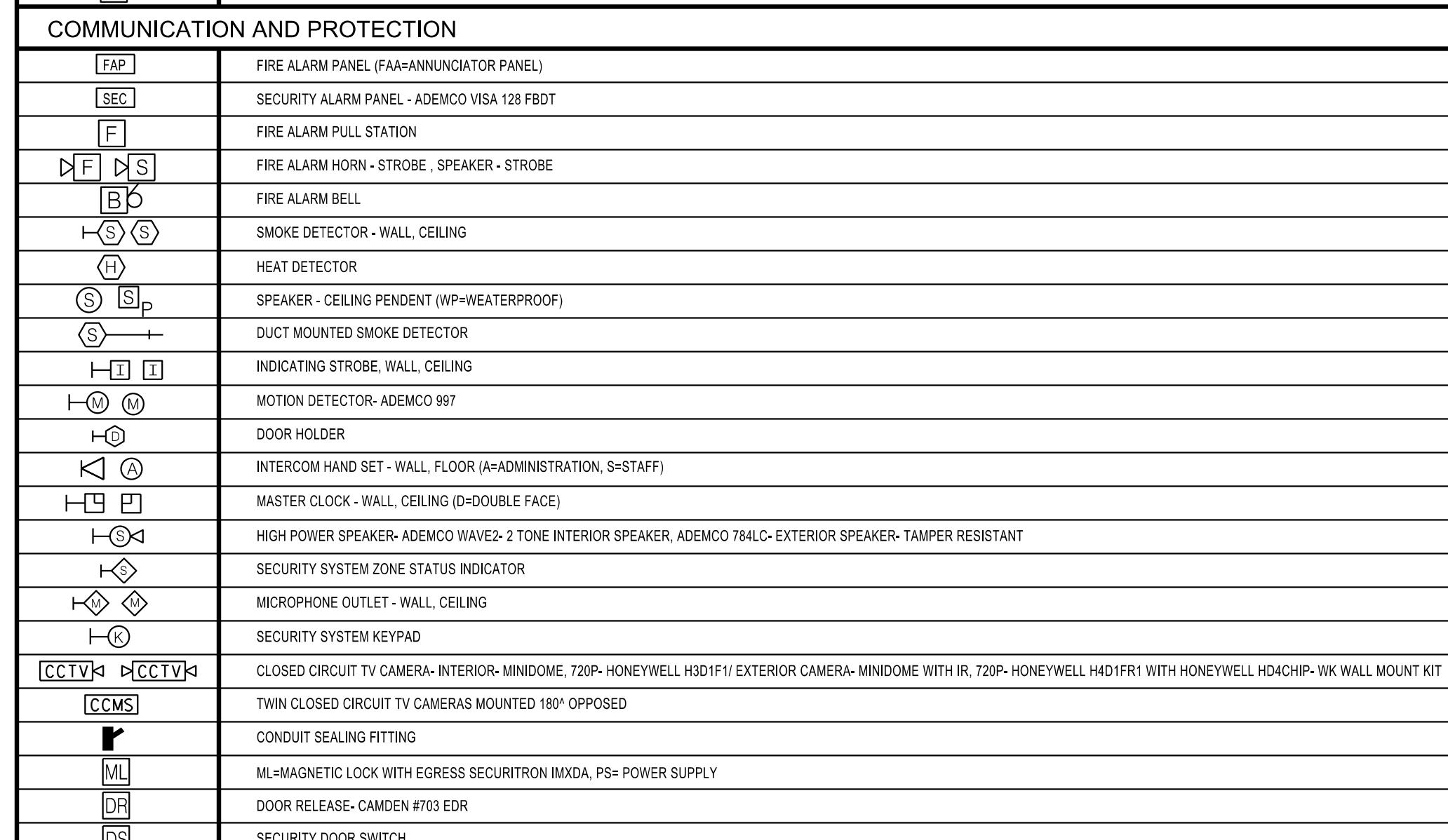
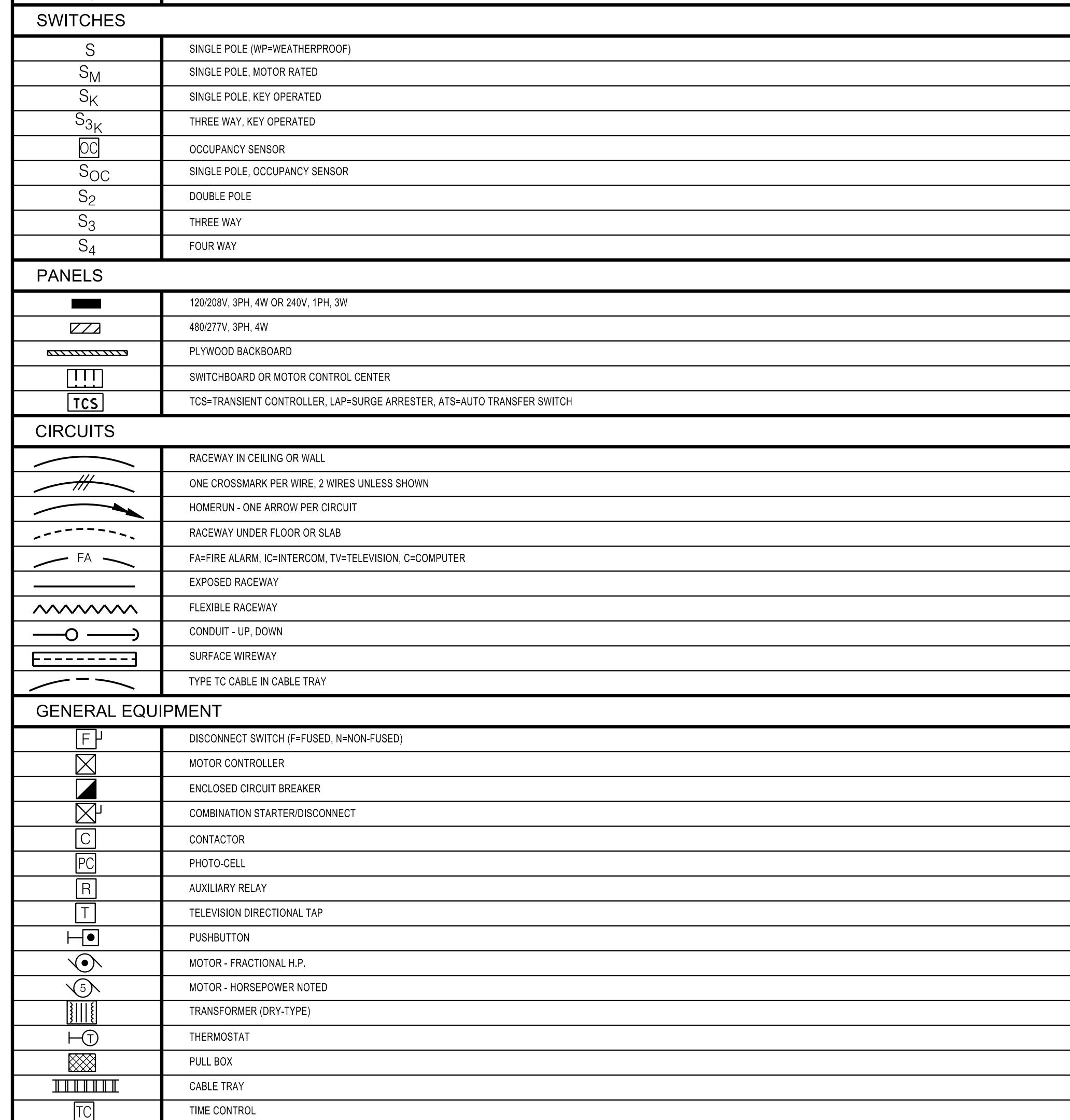
# BIBB COUNTY RECREATION DEPARTMENT

815 N MACON PARK DR  
MACON, GA 31210

## **MECHANICAL EQUIPMENT POWER SCHEDULE**

MECHANICAL TAG	VOLTAGE REQUIRED	DISCONNECT	CIRCUIT #	NOTES
EF-1	120	INTEGRAL DISCONNECT	B-2	1,2,3
EF-2	120	INTEGRAL DISCONNECT	B-2	1,2,3
EF-3	120	INTEGRAL DISCONNECT	B-2	1,2,3
HP-1	208/1PH	60A/3P/NEMA 3R	B-3	
FCU-1	208/1PH	60A/3P/NEMA 1	B-7	

CONNECT BY MECHANICAL  
THRU SPEED CONTROLLER AND MOTION SENSOR BY MECHANICAL  
THRU EXISTING FAN/ LIGHT SWITCH



Date: 25/10/2010

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Drawn By: A IS

Checked By: \_\_\_\_\_ EDM \_\_\_\_\_

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Project Number: 2016-08

Sheet Name:  
**Electrical Legend and  
Schedules**

**ANSWER**

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