



NORTH LOGAN CITY - CIVIC CENTER

NORTH LOGAN, UT

DESIGN TEAM

OWNER

NORTH LOGAN CITY

CONTRACTOR

HOGAN

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FIRE PROTECTION

design west | architects
 255 SOUTH 300 WEST
 795 NORTH 400 WEST
 LOGAN, UT 84321
 SALT LAKE CITY, UT 84103

NORTH LOGAN CITY - CIVIC CENTER
 APPROXIMATELY 2515 N 600 E
 NORTH LOGAN, UT
 NORTH LOGAN CITY

MARK	DATE	DESCRIPTION

PROJECT #: 821239
 DRAWN BY: NIELSON
 CHECKED BY: ZETTERQUIST
 ISSUED: 03.30.2022

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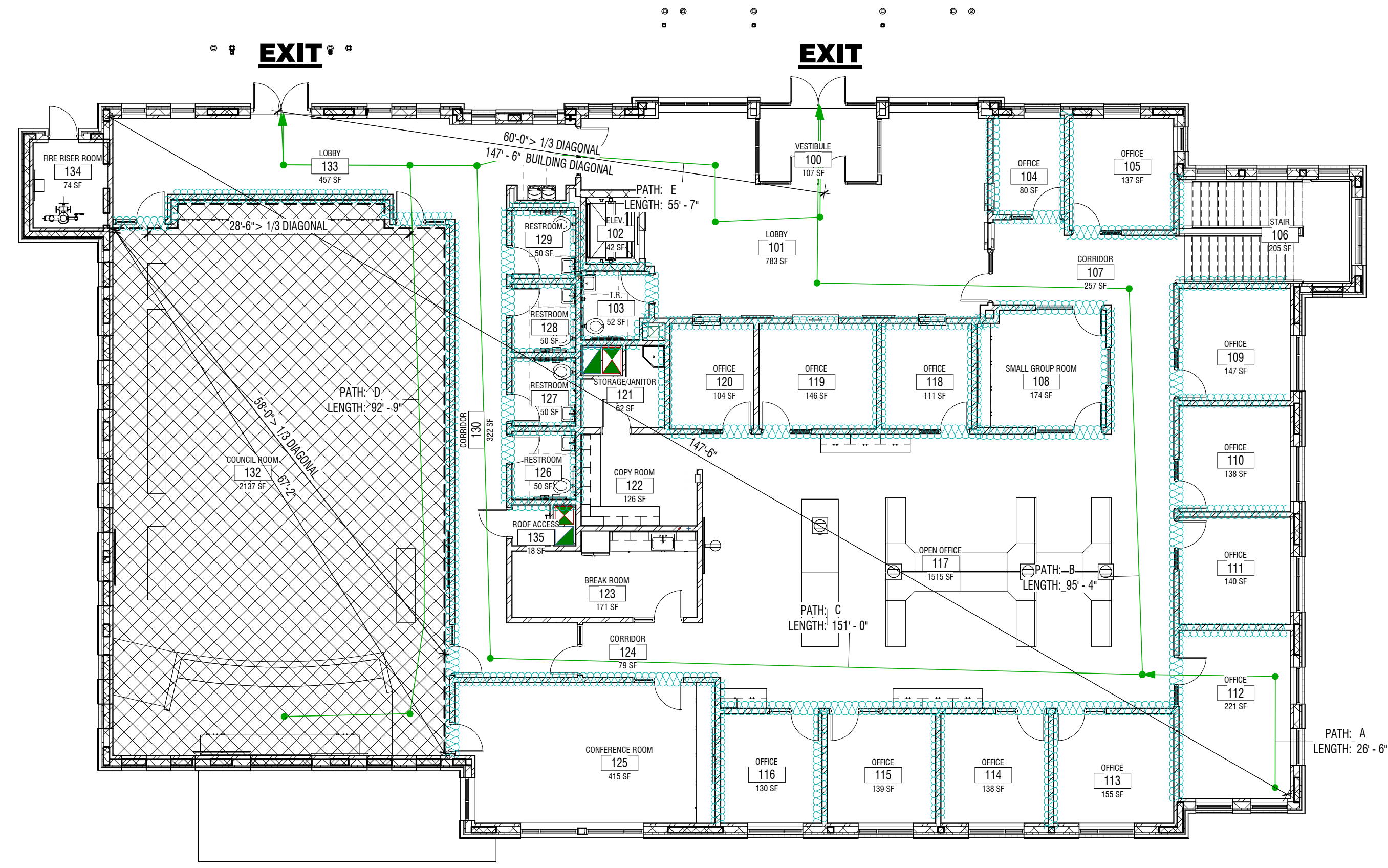
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G-001

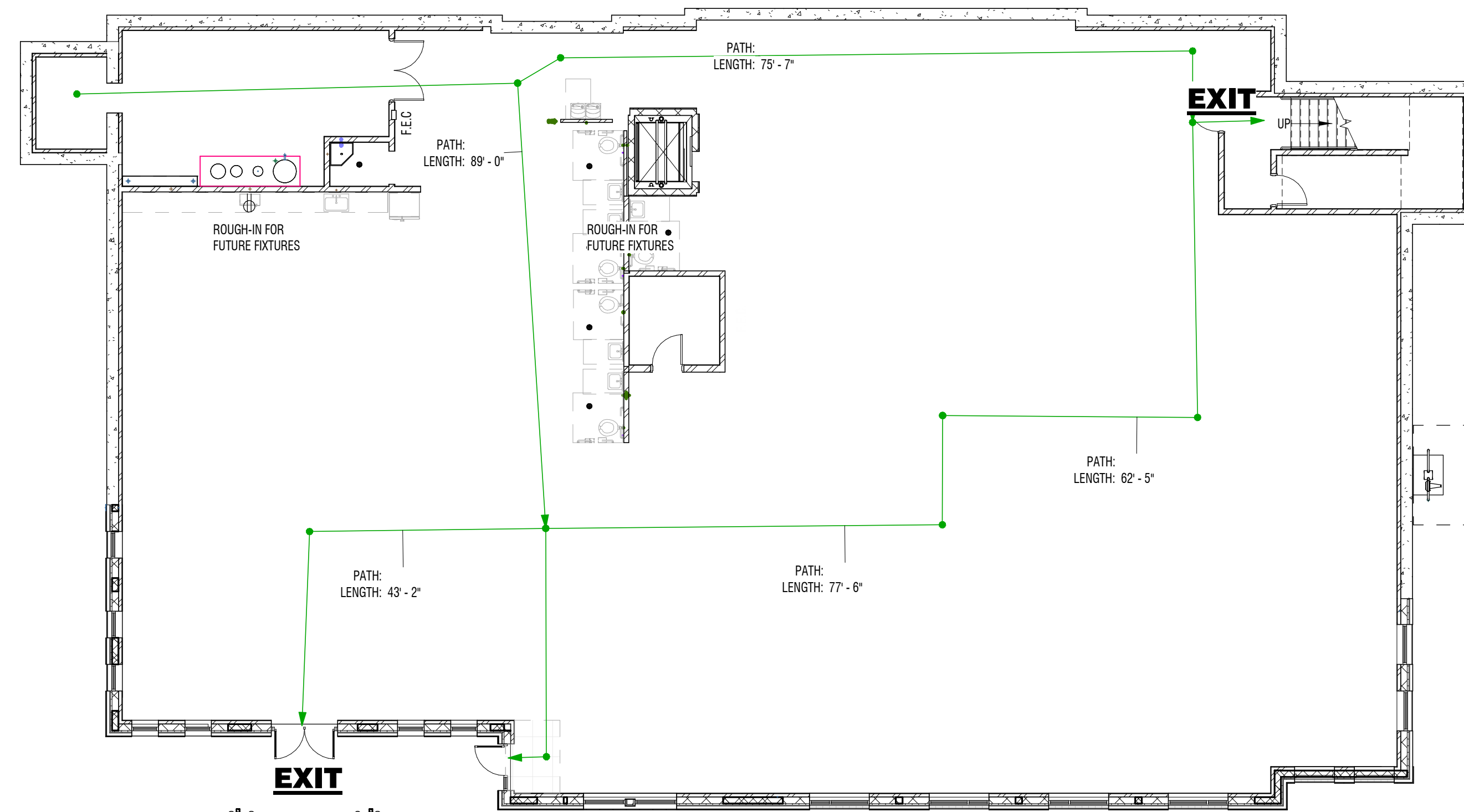
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DEFERRED SUBMITTAL



C1 FIRST FLOOR - CODE PLAN
3/32" = 1'-0"



A1 BASEMENT - CODE PLAN
3/32" = 1'-0"



GENERAL NOTES

- 1 HOUR FIRE SEPERATION - OCCUPANCY A3 TO B
- BATT INSULATION - EXTEND TO CEILING - SEE WALL TYPES ON A-531
- SOUND WALL - EXTEND TO CEILING - SEE WALL TYPES ON A-531
- EGRESS PATH
- EXIT LOCATION
- FIRE EXTINGUISHER CABINET
- A-3 OCCUPANCY
- B OCCUPANCY

CODE REVIEW

JURISDICTION
NORTH LOGAN CITY

CODE
2018 INTERNATIONAL BUILDING CODE
2018 INTERNATIONAL MECHANICAL CODE
2018 INTERNATIONAL PLUMBING CODE
2020 NATIONAL ELECTRICAL CODE

BUILDING OCCUPANCY CLASSIFICATION
OCCUPANCY: B

TYPE OF CONSTRUCTION
TYPE VB

REQUIRED SEPARATION OF OCCUPANCIES (508.4)
1 HOUR BETWEEN TYPE B AND AREAS OF A OCCUPANCY

AUTOMATIC SPRINKLER SYSTEM
YES

BUILDING HEIGHT (504.3)
ALLOWABLE BUILDING HEIGHT 60
PROPOSED BUILDING HEIGHT 54

NUMBER OF STORIES (504.4)
ALLOWABLE NUMBER OF STORIES 3
PROPOSED NUMBER OF STORIES 1

BUILDING AREA - (B) OCCUPANCY (11-STORY/508.2.1)
ALLOWABLE BUILDING AREA 36,000 SF
PROPOSED BUILDING AREA 20,524 SF
CANOPY BUILDING AREA 992 SF
GROSS BUILDING AREA 21,516 SF

FIRE RESISTIVE REQUIREMENTS FOR OCCUPANCY B - TYPE VB (TABLE 601)

PRIMARY STRUCTURAL FRAME	0 HR RATING
BEARING WALLS	
EXTERIOR	0 HR RATING
INTERIOR	0 HR RATING
NON-BEARING WALLS	0 HR RATING
FLOOR CONSTRUCTION	0 HR RATING
ROOF CONSTRUCTION	0 HR RATING
SHAFT WALLS	0 HR RATING

OCCUPANT LOAD CALCULATION (TABLE 1004.1.2)

OCCUPANCY	CALCULATED	OLF	OCCUPANTS
LEVEL 01			
COUNCIL ROOM(A-3)	2,197 SF	/ 40 NET	= 54.4 OCC.
OFFICE(B)	8,125 SF	/ 150 GROSS	= 54.1 OCC.
SUBTOTAL			= 108.5 OCC.
LEVEL 00(FUTURE UNFINISHED)			
MULTIPURPOSE RM(A-3)	2,197 SF	15 NET	= 146.4 OCC.
OFFICE(B)	8,125 SF	/ 150	= 54.1 OCC.
SUBTOTAL			= 200.5 OCC.
TOTAL			= 309 OCC.

EGRESS WIDTH (TABLE 1005.1)
OTHER EGRESS 0.2 PER OCCUPANT - STAIRWAYS
0.15 PER OCCUPANT - DOORS

PLUMBING FIXTURE REQUIREMENTS (TABLE 2002.1)

OCCUPANCY	OCCUPANTS	FACTOR	REQUIRED
WATER CLOSETS			
LEVEL 01			
COUNCIL ROOM(A-3)	27.7M/27.7F	1/125M 1/65F	0.22 M / 0.42 F
OFFICE(B)	27.1M/27.1F	1/25M 1/25F	1.08 M / 1.08 F
		ACTUAL - 1.30 M / 1.50 F = 2M/2F	
LEVEL 00(UNFINISHED)			
MULTIPURPOSE(A-3)	73.3M/73.3F	1/125M 1/65F	0.58 M / 1.12 F
OFFICE(B)	27.1M/27.1F	1/25M 1/25F	1.08 M / 1.08 F
		ACTUAL - 1.68M / 2.20 F = 2M/3F	
LAVATORIES			
LEVEL 01			
COUNCIL ROOM(A-3)	27.7M/27.7F	1/125M 1/65F	0.22 M / 0.42 F
OFFICE(B)	27.1M/27.1F	1/25M 1/25F	1.08 M / 1.08 F
		ACTUAL - 1.30 M / 1.50 F = 2M/2F	
LEVEL 00(UNFINISHED)			
MULTIPURPOSE(A-3)	73.3M/73.3F	1/200M 1/200F	0.58 M / 1.12 F
OFFICE(B)	27.1M/27.1F	1/40M 1/40F	1.08 M / 1.08 F
		ACTUAL - 1.68M / 2.20 F = 2M/3F	(ROUGH-IN, TO BE INSTALLED IN FUTURE BUILDOUT)

DRINKING FOUNTAINS

LEVEL	OCCUPANCY	REQUIRED	ACTUAL
LEVEL 01	A-3	1 PER 500	0.11
	B	1 PER 100	0.54
		ACTUAL 0.55 = 1 PROVIDED	
LEVEL 00	A-3	1 PER 500	0.11
	B	1 PER 100	0.54
		ACTUAL 0.55 = 1 PROVIDED	(ROUGH-IN, TO BE INSTALLED IN FUTURE BUILDOUT)

SERVICE SINKS

REQUIRED	1
ACTUAL	1

MARK	DATE	DESCRIPTION

PROJECT #: 821239
DRAWN BY: Author
CHECKED BY: ZETTERQUIST
ISSUED: 03.30.2022

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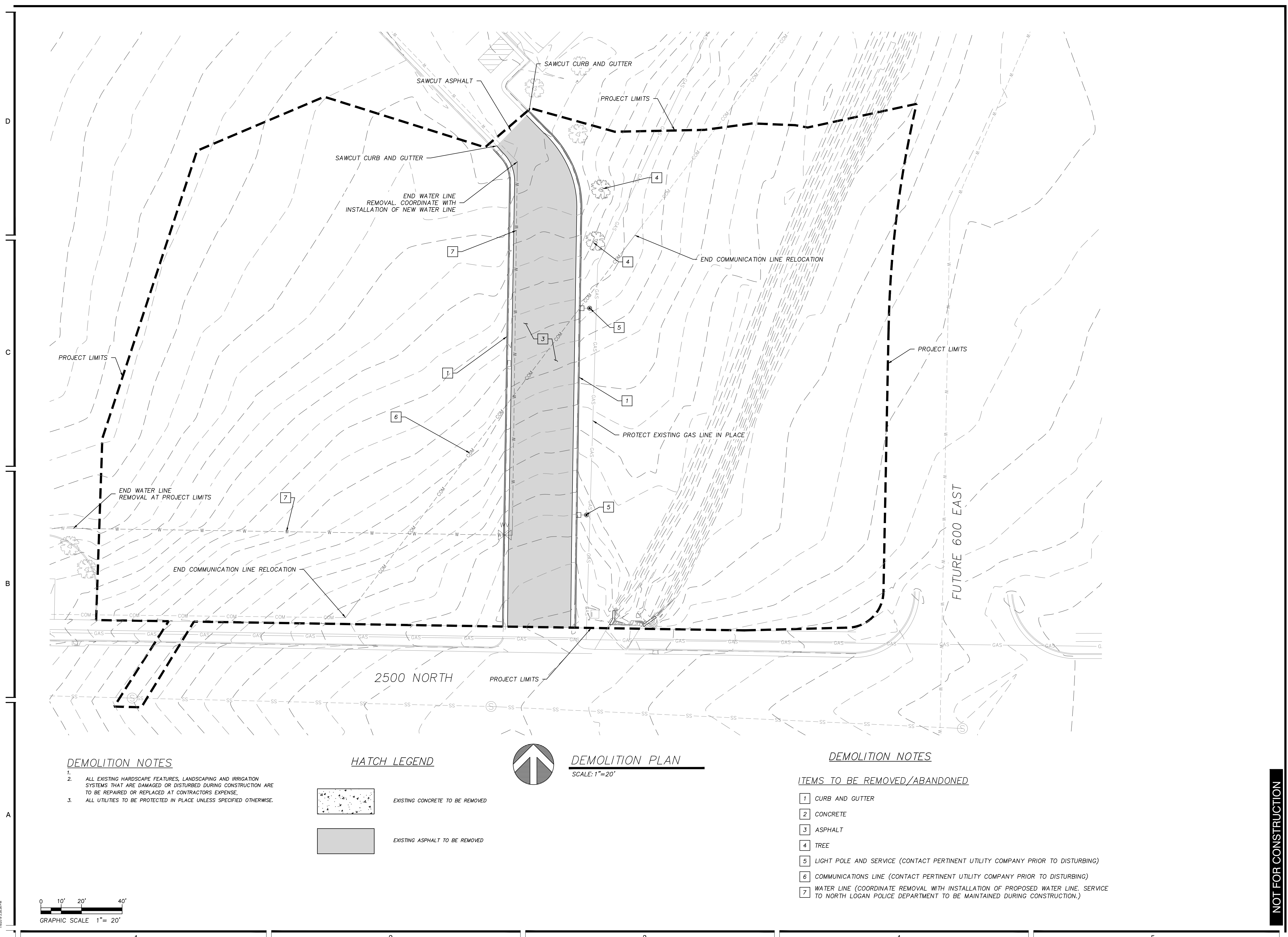
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PROJECT #: 821239
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 CHECKED BY: L. ANDERSON
 ISSUED: 03.31.2022

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CIVIL DEMOLITION PLAN
C-101

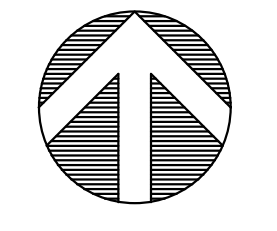
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- DEMOLITION NOTES**
- 1.
 2. ALL EXISTING HARDSCAPE FEATURES, LANDSCAPING AND IRRIGATION SYSTEMS THAT ARE DAMAGED OR DISTURBED DURING CONSTRUCTION ARE TO BE REPAIRED OR REPLACED AT CONTRACTORS EXPENSE.
 3. ALL UTILITIES TO BE PROTECTED IN PLACE UNLESS SPECIFIED OTHERWISE.

HATCH LEGEND

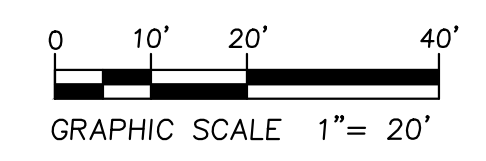
- EXISTING CONCRETE TO BE REMOVED
- EXISTING ASPHALT TO BE REMOVED



DEMOLITION PLAN
 SCALE: 1" = 20'

DEMOLITION NOTES

- ITEMS TO BE REMOVED/ABANDONED**
- 1 CURB AND GUTTER
 - 2 CONCRETE
 - 3 ASPHALT
 - 4 TREE
 - 5 LIGHT POLE AND SERVICE (CONTACT PERTINENT UTILITY COMPANY PRIOR TO DISTURBING)
 - 6 COMMUNICATIONS LINE (CONTACT PERTINENT UTILITY COMPANY PRIOR TO DISTURBING)
 - 7 WATER LINE (COORDINATE REMOVAL WITH INSTALLATION OF PROPOSED WATER LINE. SERVICE TO NORTH LOGAN POLICE DEPARTMENT TO BE MAINTAINED DURING CONSTRUCTION.)



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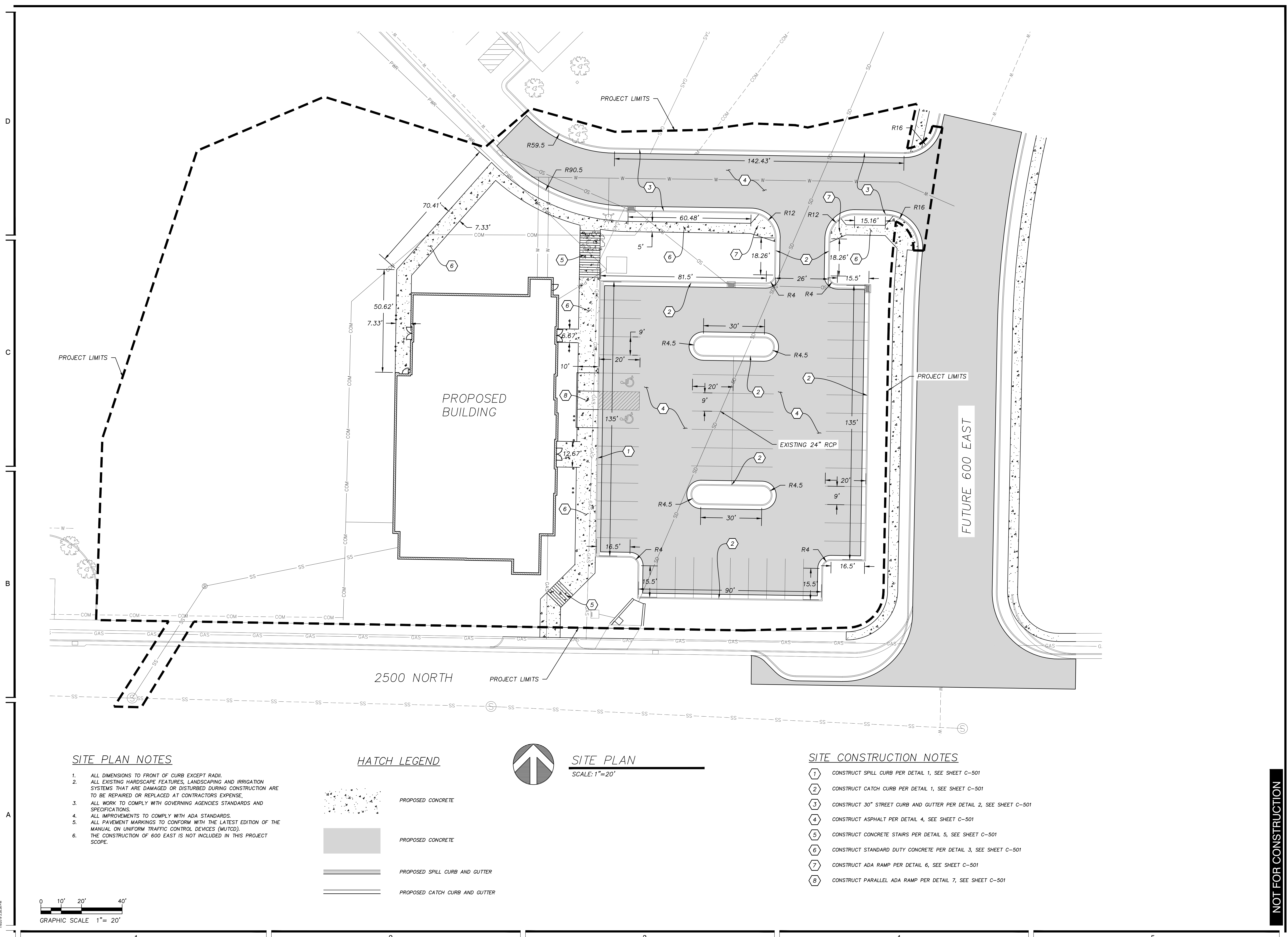
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CIVIL SITE PLAN
C-201

NOT FOR CONSTRUCTION

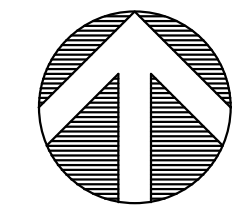


SITE PLAN NOTES

1. ALL DIMENSIONS TO FRONT OF CURB EXCEPT RADII.
2. ALL EXISTING HARDSCAPE FEATURES, LANDSCAPING AND IRRIGATION SYSTEMS THAT ARE DAMAGED OR DISTURBED DURING CONSTRUCTION ARE TO BE REPAIRED OR REPLACED AT CONTRACTORS EXPENSE.
3. ALL WORK TO COMPLY WITH GOVERNING AGENCIES STANDARDS AND SPECIFICATIONS.
4. ALL IMPROVEMENTS TO COMPLY WITH ADA STANDARDS.
5. ALL PAVEMENT MARKINGS TO CONFORM WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
6. THE CONSTRUCTION OF 600 EAST IS NOT INCLUDED IN THIS PROJECT SCOPE.

HATCH LEGEND

- PROPOSED CONCRETE
- PROPOSED CONCRETE
- PROPOSED SPILL CURB AND GUTTER
- PROPOSED CATCH CURB AND GUTTER

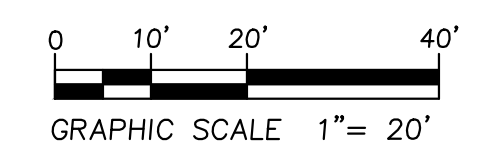


SITE PLAN

SCALE: 1" = 20'

SITE CONSTRUCTION NOTES

- ① CONSTRUCT SPILL CURB PER DETAIL 1, SEE SHEET C-501
- ② CONSTRUCT CATCH CURB PER DETAIL 1, SEE SHEET C-501
- ③ CONSTRUCT 30" STREET CURB AND GUTTER PER DETAIL 2, SEE SHEET C-501
- ④ CONSTRUCT ASPHALT PER DETAIL 4, SEE SHEET C-501
- ⑤ CONSTRUCT CONCRETE STAIRS PER DETAIL 5, SEE SHEET C-501
- ⑥ CONSTRUCT STANDARD DUTY CONCRETE PER DETAIL 3, SEE SHEET C-501
- ⑦ CONSTRUCT ADA RAMP PER DETAIL 6, SEE SHEET C-501
- ⑧ CONSTRUCT PARALLEL ADA RAMP PER DETAIL 7, SEE SHEET C-501



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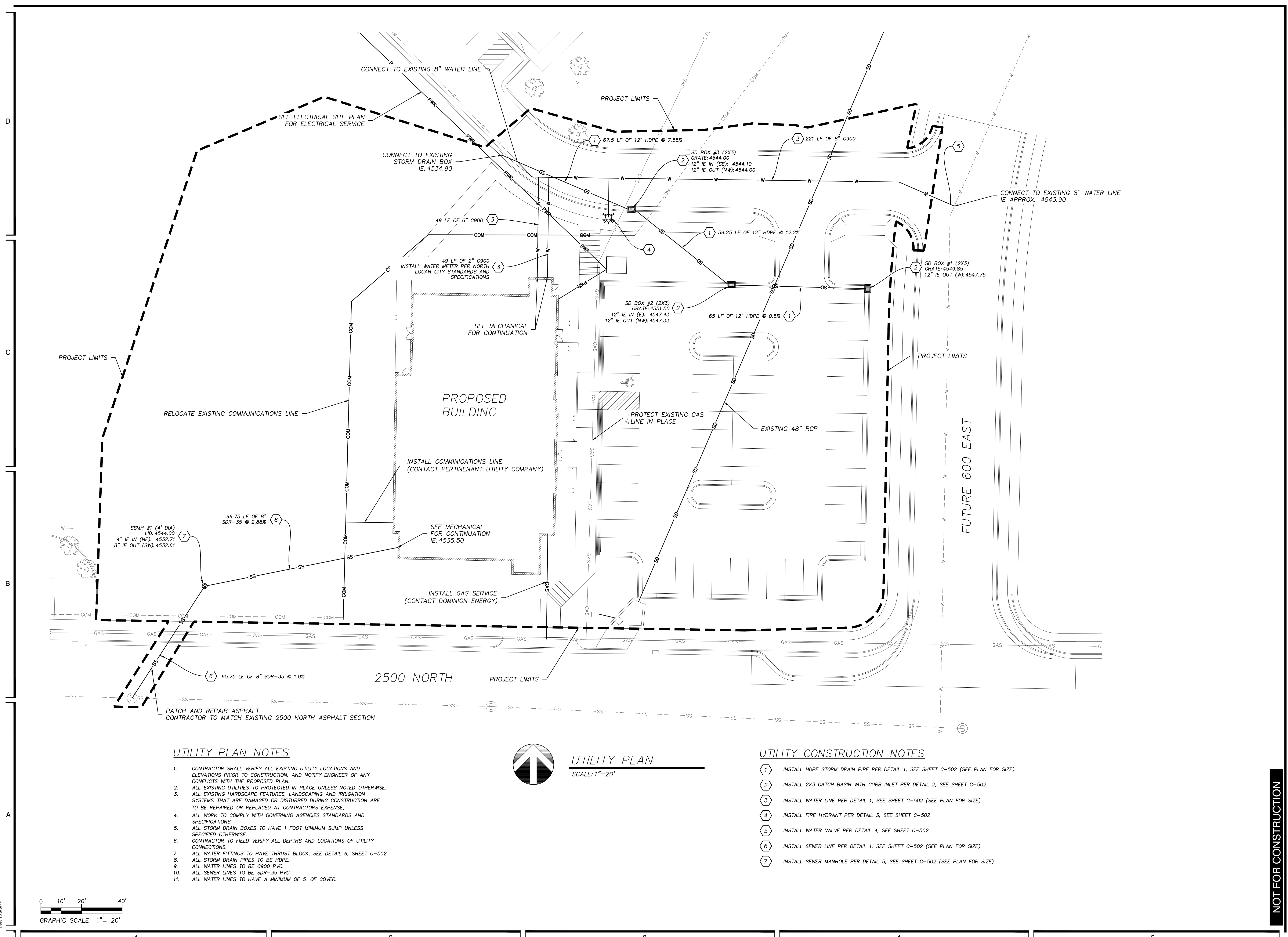
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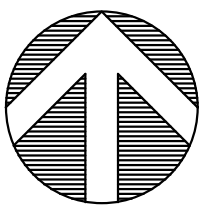
CIVIL UTILITY
 PLAN
C-301

NOT FOR CONSTRUCTION



UTILITY PLAN NOTES

- CONTRACTOR SHALL VERIFY ALL EXISTING UTILITY LOCATIONS AND ELEVATIONS PRIOR TO CONSTRUCTION, AND NOTIFY ENGINEER OF ANY CONFLICTS WITH THE PROPOSED PLAN.
- ALL EXISTING UTILITIES TO PROTECTED IN PLACE UNLESS NOTED OTHERWISE.
- ALL EXISTING HARDSCAPE FEATURES, LANDSCAPING AND IRRIGATION SYSTEMS THAT ARE DAMAGED OR DISTURBED DURING CONSTRUCTION ARE TO BE REPAIRED OR REPLACED AT CONTRACTORS EXPENSE.
- ALL WORK TO COMPLY WITH GOVERNING AGENCIES STANDARDS AND SPECIFICATIONS.
- ALL STORM DRAIN BOXES TO HAVE 1 FOOT MINIMUM SUMP UNLESS SPECIFIED OTHERWISE.
- CONTRACTOR TO FIELD VERIFY ALL DEPTHS AND LOCATIONS OF UTILITY CONNECTIONS.
- ALL WATER FITTINGS TO HAVE THRUST BLOCK, SEE DETAIL 6, SHEET C-502.
- ALL STORM DRAIN PIPES TO BE HDPE.
- ALL WATER LINES TO BE C900 PVC.
- ALL SEWER LINES TO BE SDR-35 PVC.
- ALL WATER LINES TO HAVE A MINIMUM OF 5' OF COVER.

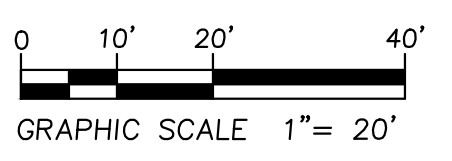


UTILITY PLAN

SCALE: 1"=20'

UTILITY CONSTRUCTION NOTES

- INSTALL HDPE STORM DRAIN PIPE PER DETAIL 1, SEE SHEET C-502 (SEE PLAN FOR SIZE)
- INSTALL 2X3 CATCH BASIN WITH CURB INLET PER DETAIL 2, SEE SHEET C-502
- INSTALL WATER LINE PER DETAIL 1, SEE SHEET C-502 (SEE PLAN FOR SIZE)
- INSTALL FIRE HYDRANT PER DETAIL 3, SEE SHEET C-502
- INSTALL WATER VALVE PER DETAIL 4, SEE SHEET C-502
- INSTALL SEWER LINE PER DETAIL 1, SEE SHEET C-502 (SEE PLAN FOR SIZE)
- INSTALL SEWER MANHOLE PER DETAIL 5, SEE SHEET C-502 (SEE PLAN FOR SIZE)



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NORTH LOGAN CITY - CITY OFFICES
 DESIGN DEVELOPMENT SET
 NORTH LOGAN CITY

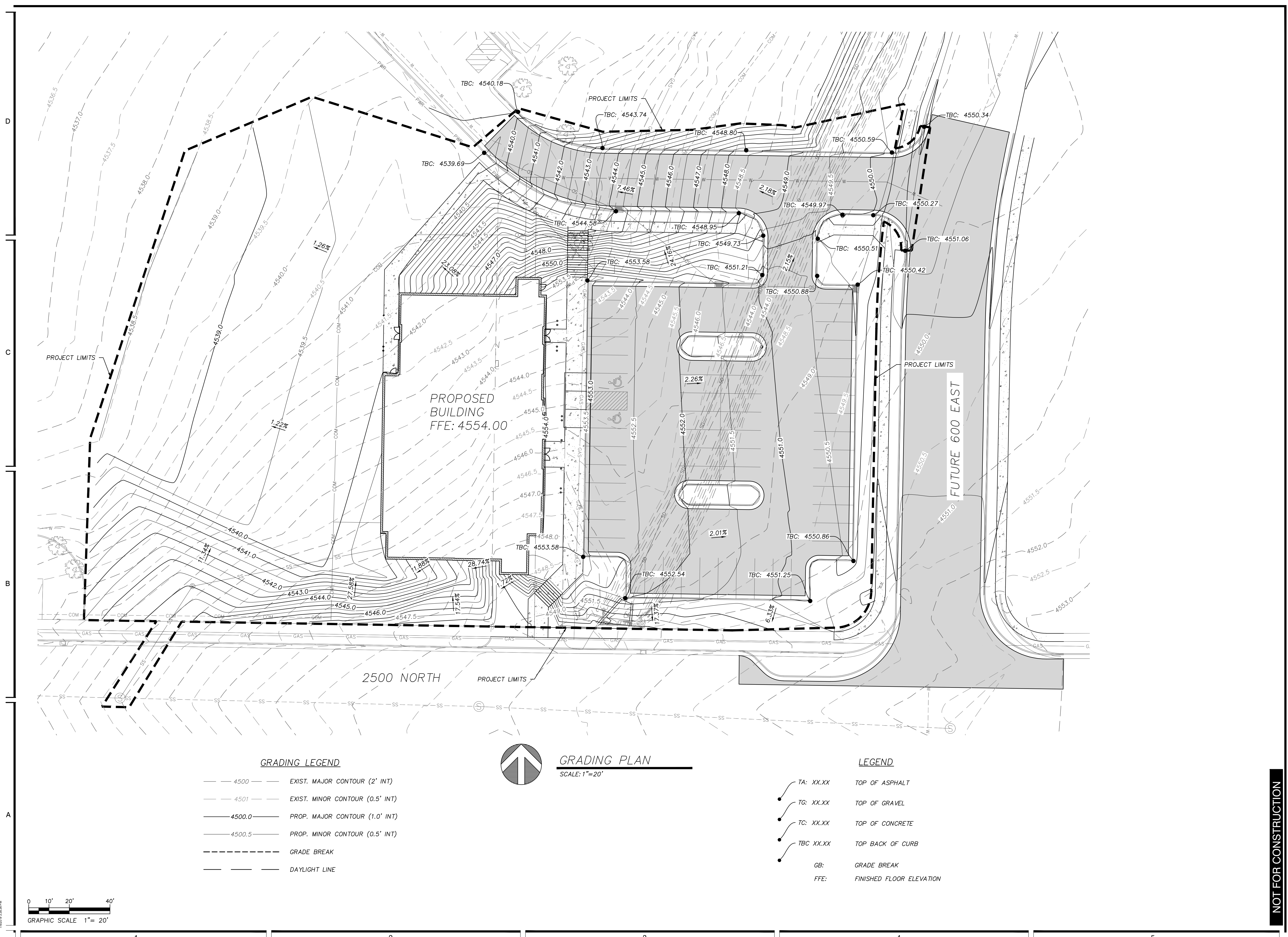
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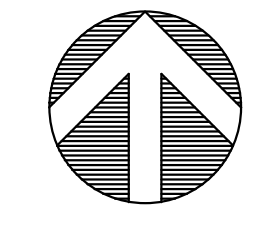
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CIVIL GRADING PLAN
C-401

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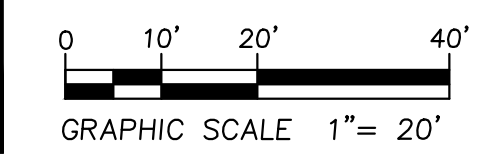


- GRADING LEGEND**
- 4500 --- EXIST. MAJOR CONTOUR (2' INT)
 - 4501 --- EXIST. MINOR CONTOUR (0.5' INT)
 - 4500.0 --- PROP. MAJOR CONTOUR (1.0' INT)
 - 4500.5 --- PROP. MINOR CONTOUR (0.5' INT)
 - --- GRADE BREAK
 - --- DAYLIGHT LINE



GRADING PLAN
 SCALE: 1"=20'

- LEGEND**
- TA: XX.XX TOP OF ASPHALT
 - TG: XX.XX TOP OF GRAVEL
 - TC: XX.XX TOP OF CONCRETE
 - TBC XX.XX TOP BACK OF CURB
 - GB: GRADE BREAK
 - FFE: FINISHED FLOOR ELEVATION



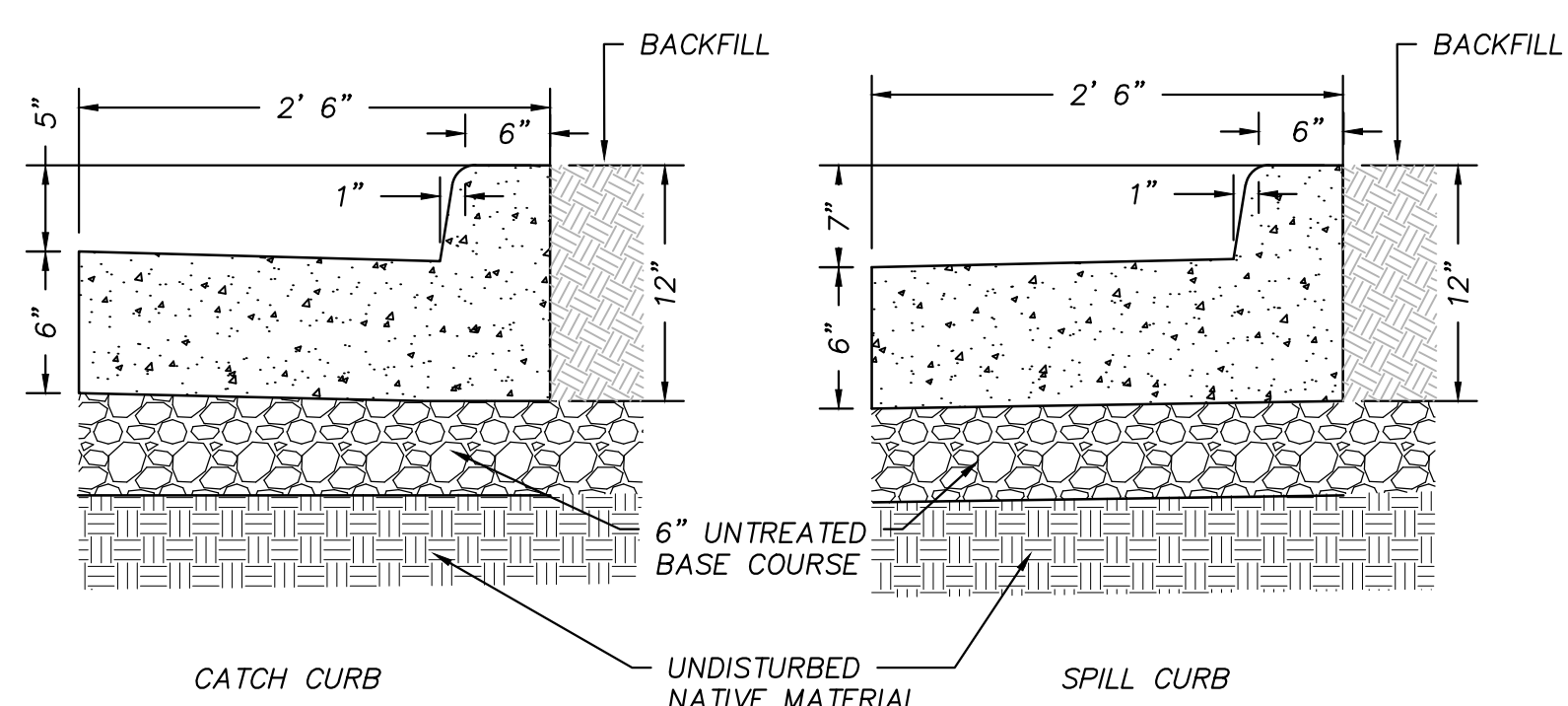
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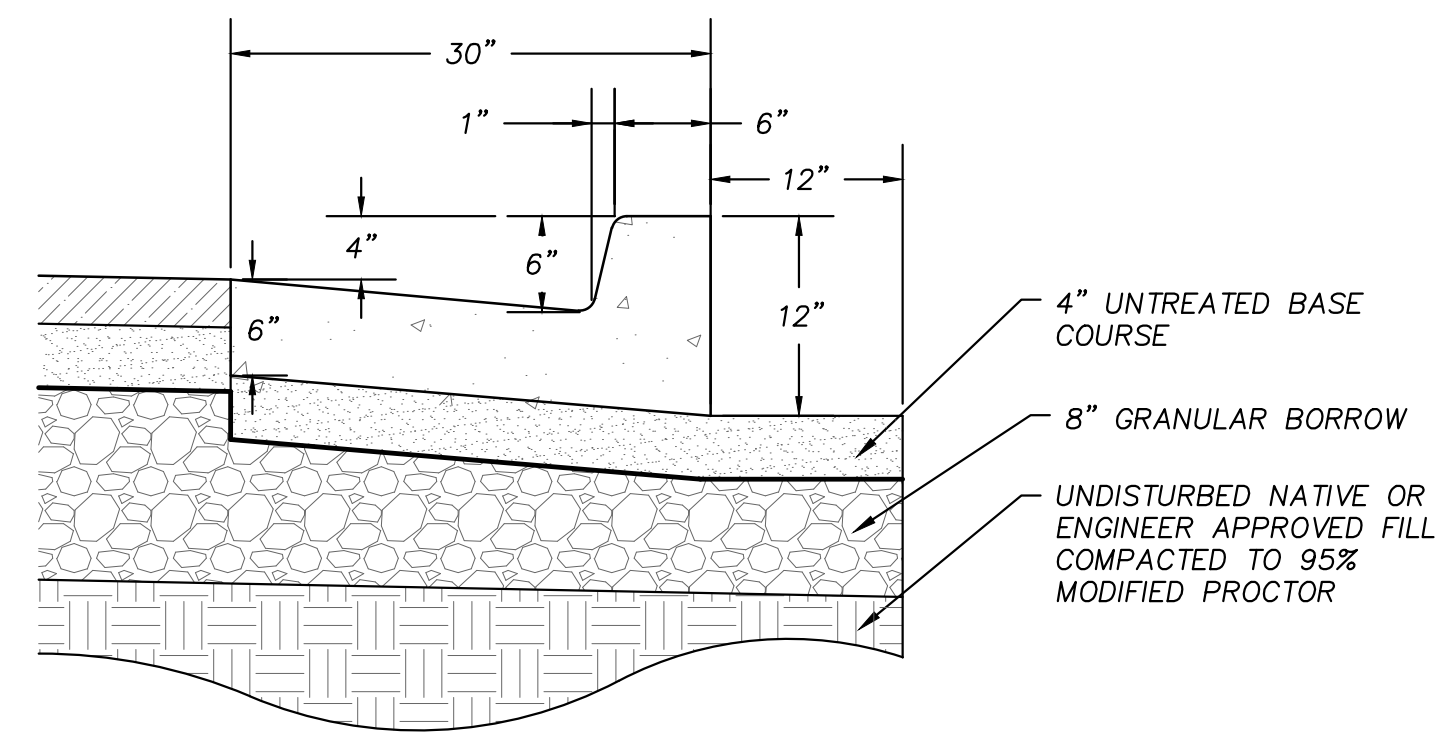
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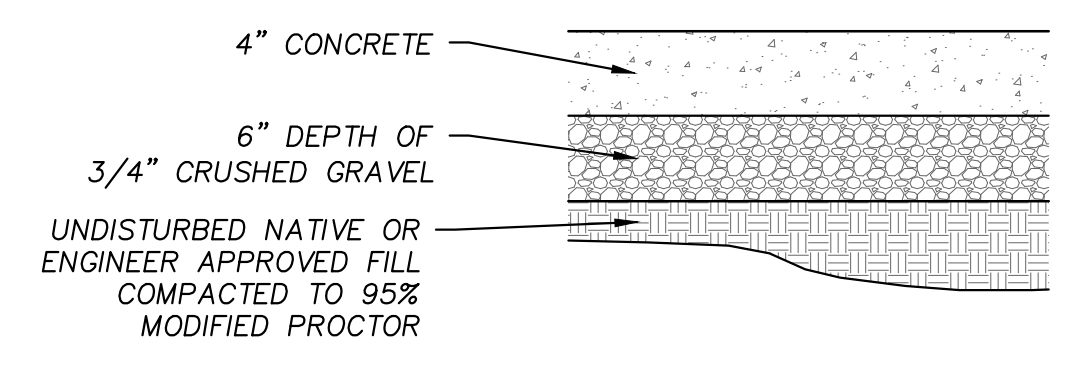
- NOTES:**
1. CONCRETE SHALL BE 4500 PSI - 28 DAY STRENGTH
 2. PROVIDE CONTRACTION JOINTS @ 10'-0" O.C.
 3. PROVIDE EXPANSION JOINTS @ 50'-0" O.C.

1 SITE CURB AND GUTTER
 SCALE: NTS



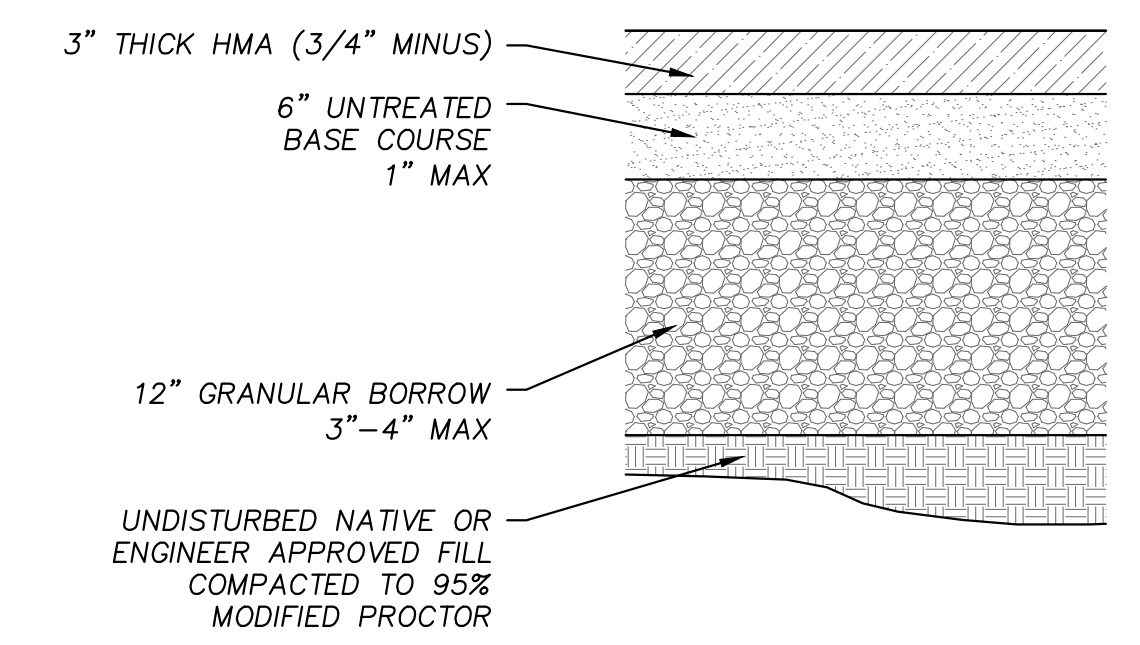
- NOTES:**
1. CONCRETE SHALL BE 4500 PSI - 28 DAY STRENGTH
 2. PROVIDE CONTRACTION JOINTS @ 10'-0" O.C.
 3. PROVIDE EXPANSION JOINTS @ 50'-0" O.C.

2 30" STREET CURB AND GUTTER
 SCALE: NTS

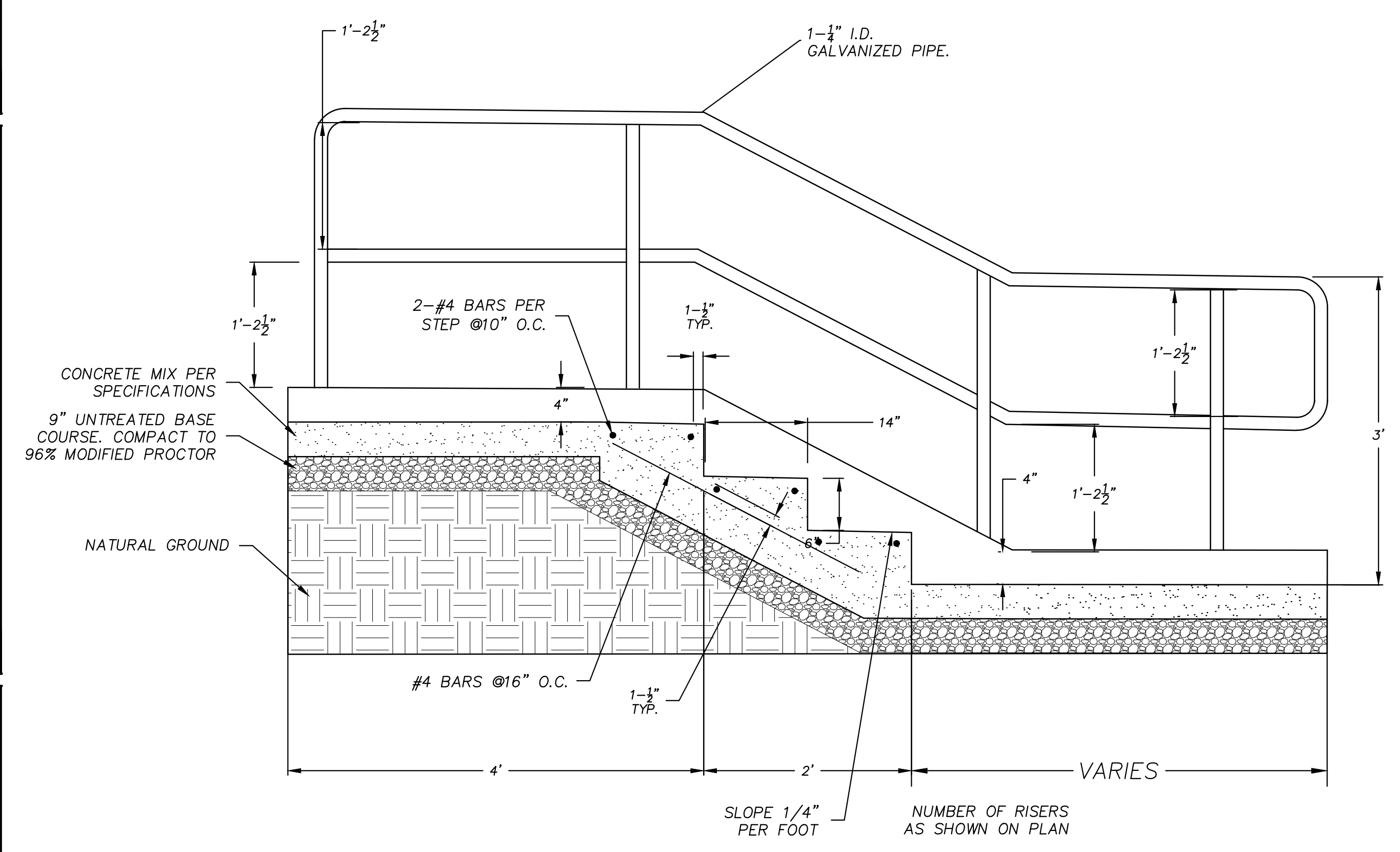


- NOTES:**
1. CONCRETE SHALL BE 4500 PSI, 28 DAY STRENGTH
 2. INSTALL CONTRACTION JOINTS @ 10'-0" O.C. (TYP.) - COORDINATE WITH ARCHITECTURAL AND LANDSCAPE SITE DRAWINGS
 3. INSTALL EXPANSION JOINTS @ 200'-0" O.C. (TYP.) - COORDINATE WITH ARCHITECTURAL AND LANDSCAPE SITE DRAWINGS

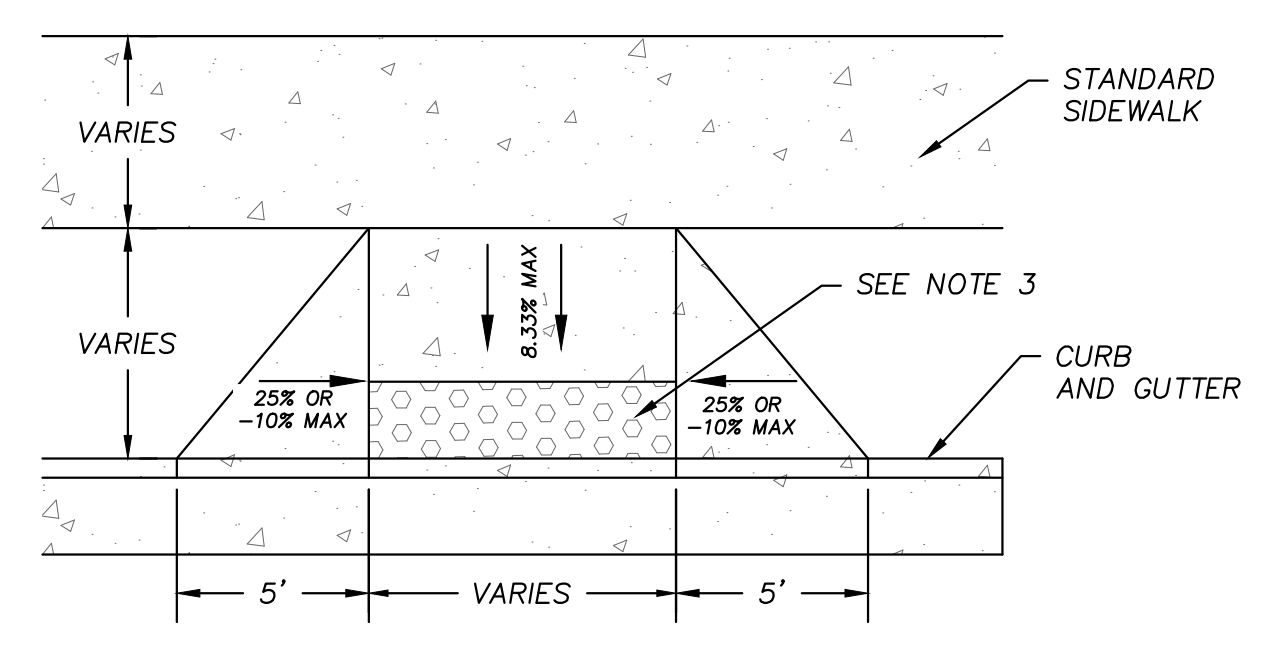
3 STANDARD DUTY CONCRETE SECTION
 SCALE: NTS



4 STANDARD DUTY ASPHALT SECTION
 SCALE: NTS

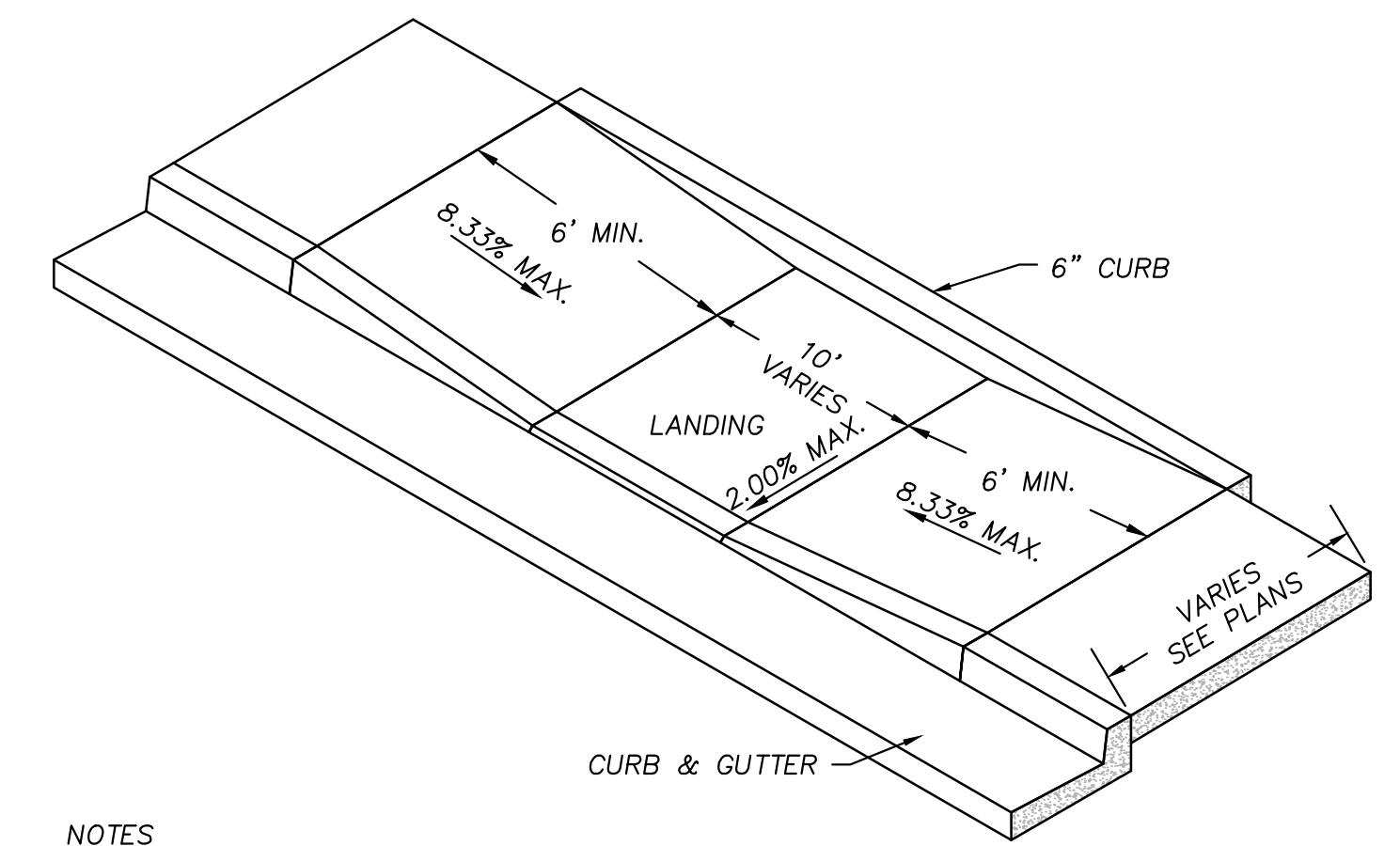


5 STAIR SECTION
 SCALE: NTS



- NOTES:**
1. CONCRETE IN RAMP SHALL BE 4000 PSI, 28 DAY STRENGTH.
 2. DETECTABLE WARNING SURFACE TILES SHALL BE ORIENTED SUCH THAT ROWS ARE PARALLEL WITH THE DIRECTION OF PEDESTRIAN TRAVEL TO THE RAMP ON THE OPPOSITE SIDE OF THE STREET.
 3. DETECTABLE AND TACTILE WARNING SURFACE. ADA COMPLIANT TILE SYSTEM, CAST-IN-PLACE INLINE DOME. CONTRACTOR TO DETERMINE APPROPRIATE TILE SIZE TO ACHIEVE WIDTH AS SHOWN ON PLAN. PROVIDE PRODUCT SUBMITTAL TO ENGINEER FOR APPROVAL. USE SAFETY RED (FEDERAL NO. 32350). VISIT www.armor-tile.com FOR MORE INFORMATION.
 4. LENGTHS OF RAMPS VARY AS REQUIRED TO MEET 1(V):12(H) SLOPE OR FLATTER (TYPICALLY 6-FT LONG OR LONGER).

6 ADA RAMP
 SCALE: NTS



- NOTES:**
1. NO LIP IN CURB ALLOWED ALONG LENGTH OF LANDING.
 2. LENGTHS OF RAMPS VARY AS REQUIRED TO MEET 1(V):12(H) SLOPE OR FLATTER.
 3. ABSOLUTE MINIMUM DIMENSIONS OF LANDING TO BE 48-IN BY 48-IN.
 4. NO LIP ALLOWED BETWEEN ASPHALT AND CURB & GUTTER ALONG LENGTH OF LANDING.

7 PARALLEL ADA RAMP
 SCALE: NTS

A
B
C
D

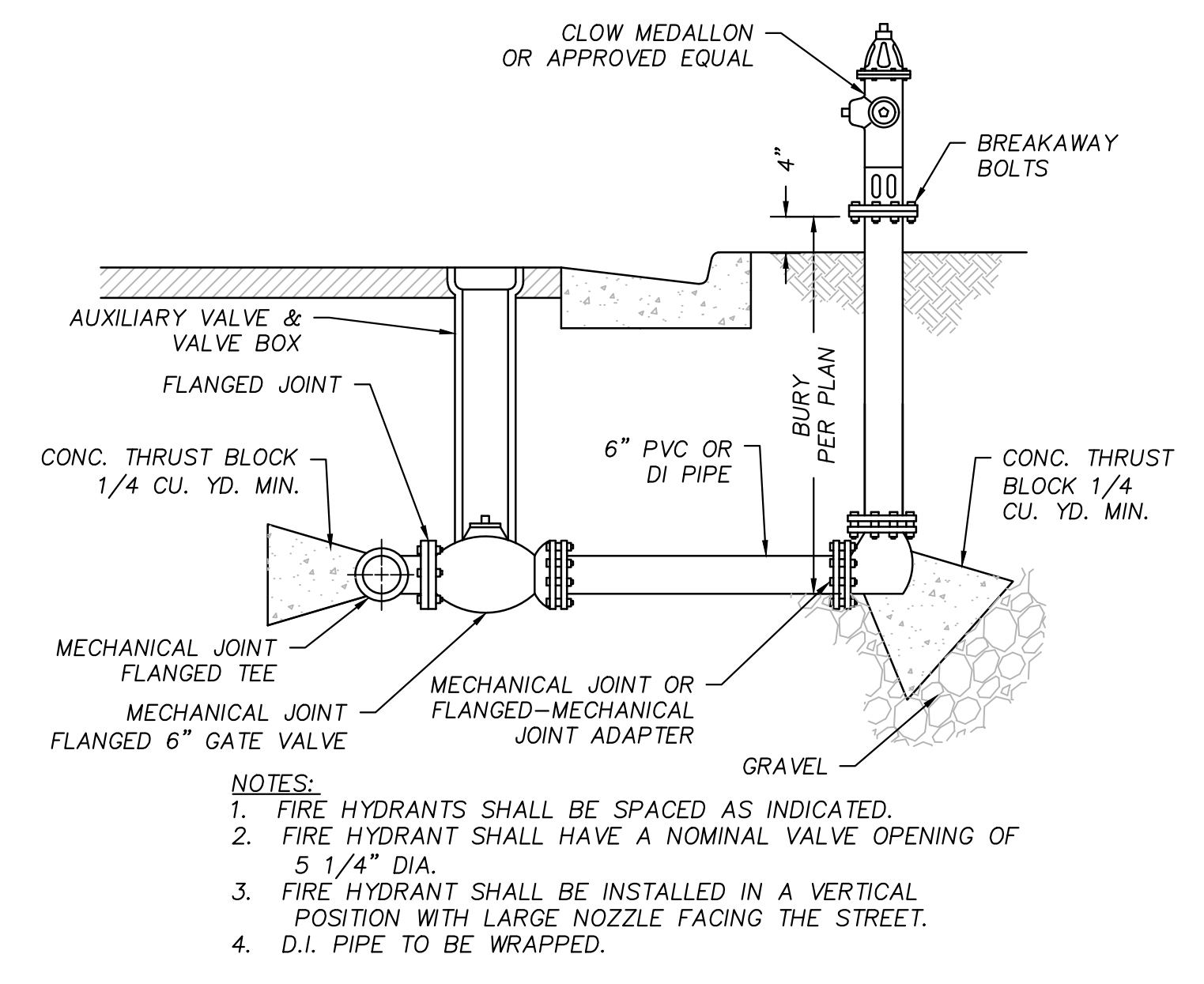
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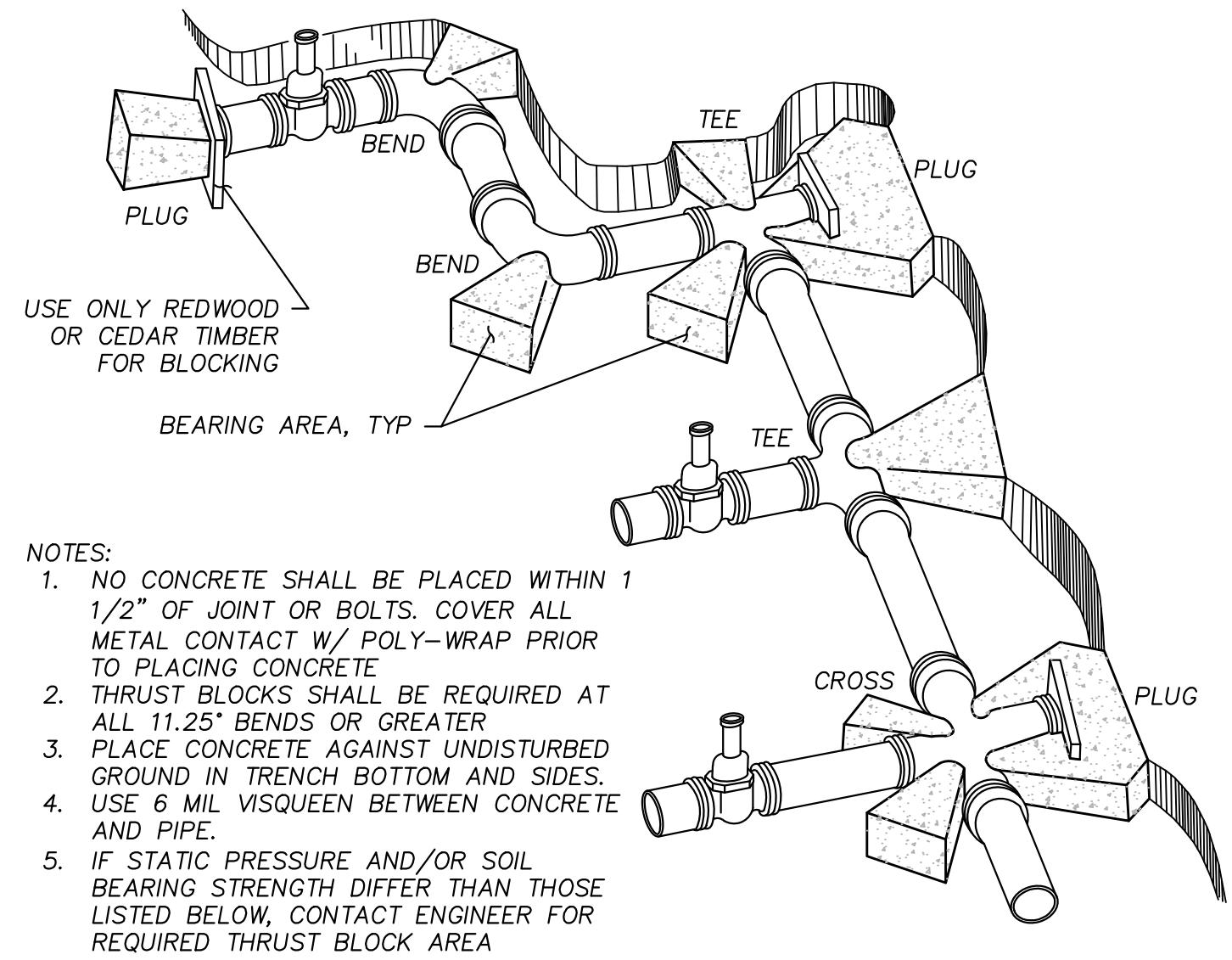
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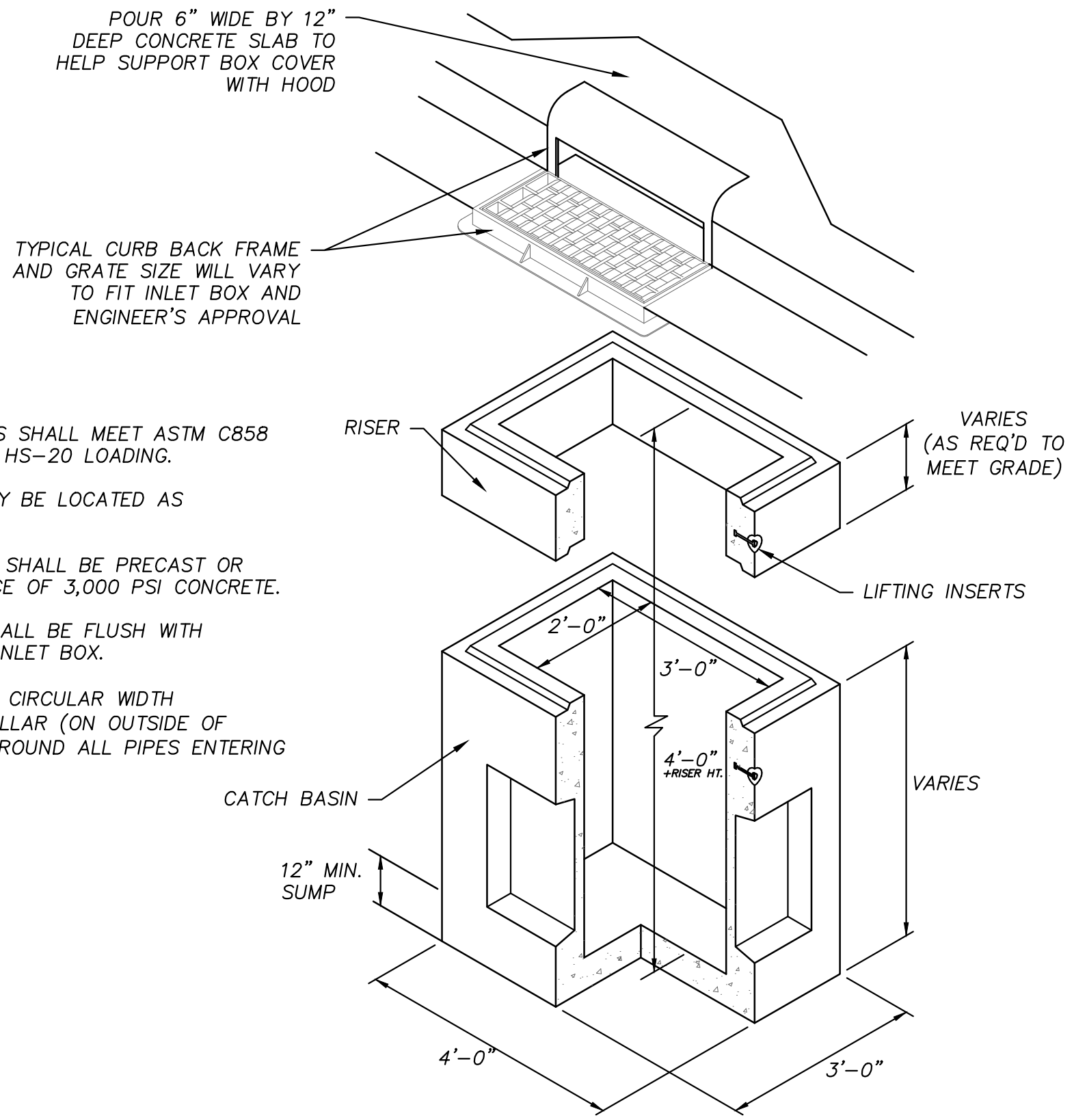
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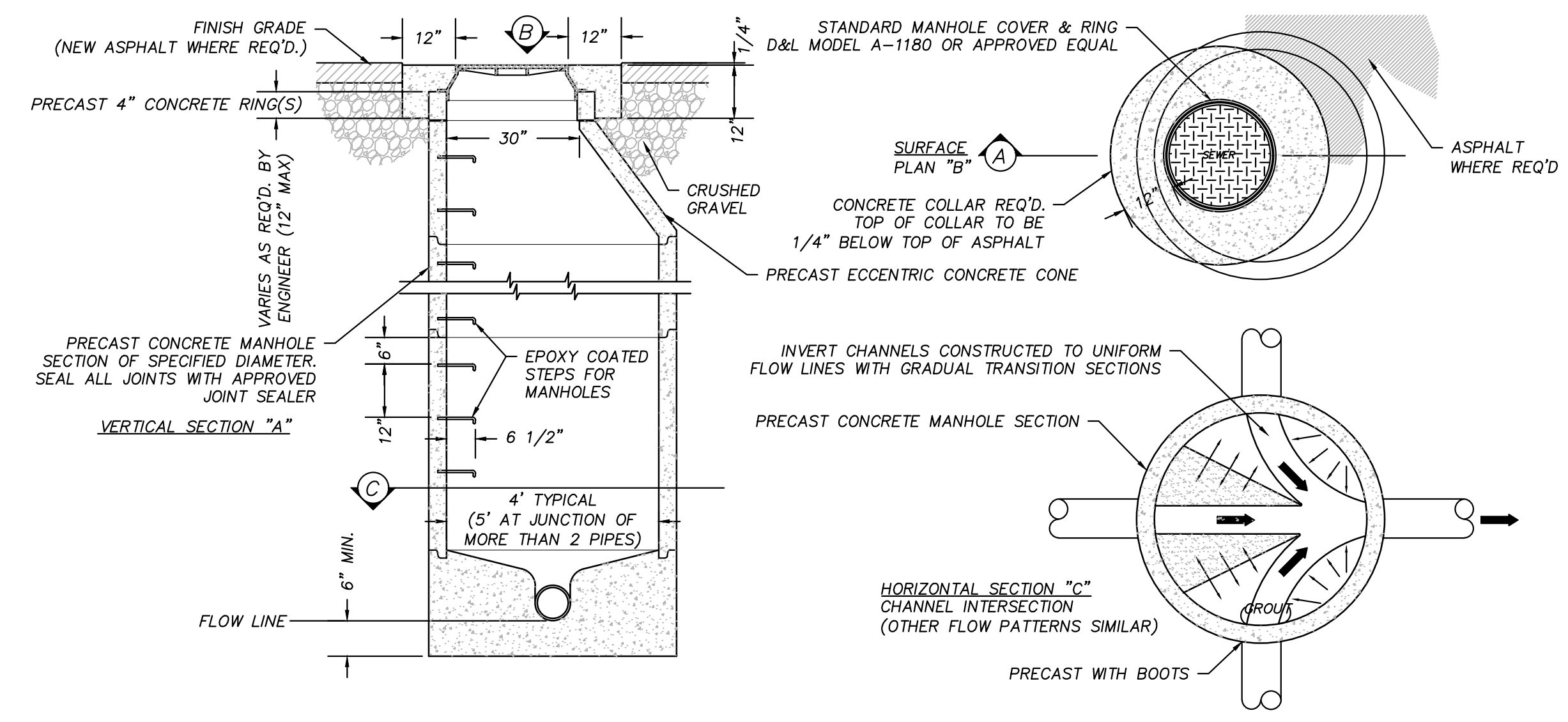
3 FIRE HYDRANT
 SCALE: NTS



4 WATER VALVE
 SCALE: NTS



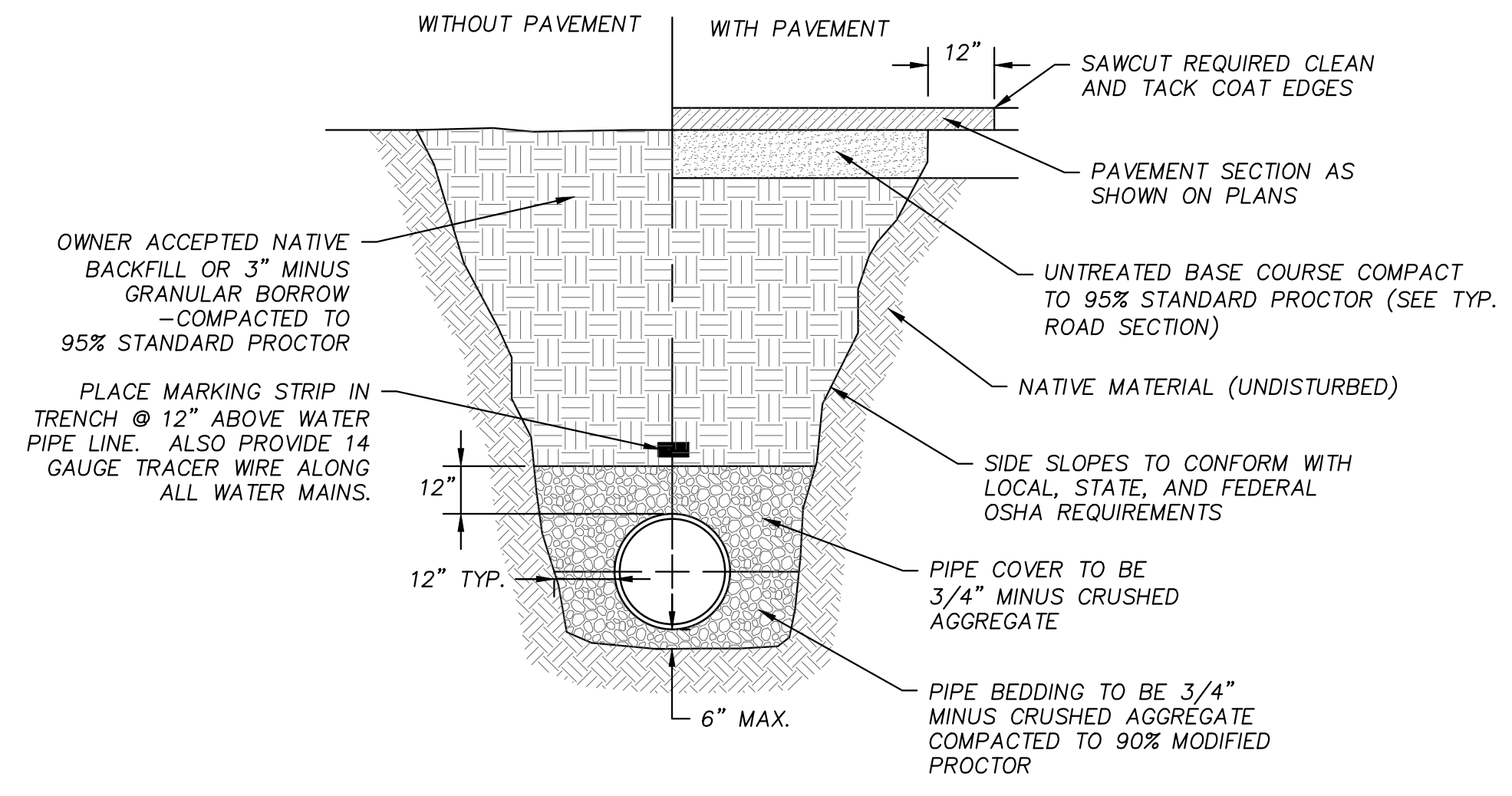
2 2'X3' CATCH BASIN
 SCALE: NTS



5 SANITARY SEWER MANHOLE
 SCALE: NTS

THRUST BLOCK DESIGN INFO				
STATIC PRESSURE (PSI)	SOIL BEARING STRENGTH (PSF)		SAFETY FACTOR	
150	2000		1.50	
THRUST BLOCK AREA REQUIRED (SQ FT)				
PIPE SIZE	DEAD END OR TEE	90° ELBOW	45° ELBOW	22.5° ELBOW
4	1.4	2.0	1.1	0.6
6	3.2	4.5	2.4	1.2
8	5.7	8.0	4.3	2.2
10	8.8	12.5	6.8	3.4
12	12.7	18.0	9.7	5.0
14	17.3	24.5	13.2	6.8
16	22.6	32.0	17.3	8.8
18	28.6	40.5	21.9	11.2
20	35.3	50.0	27.0	13.8
24	50.9	71.9	38.9	19.8

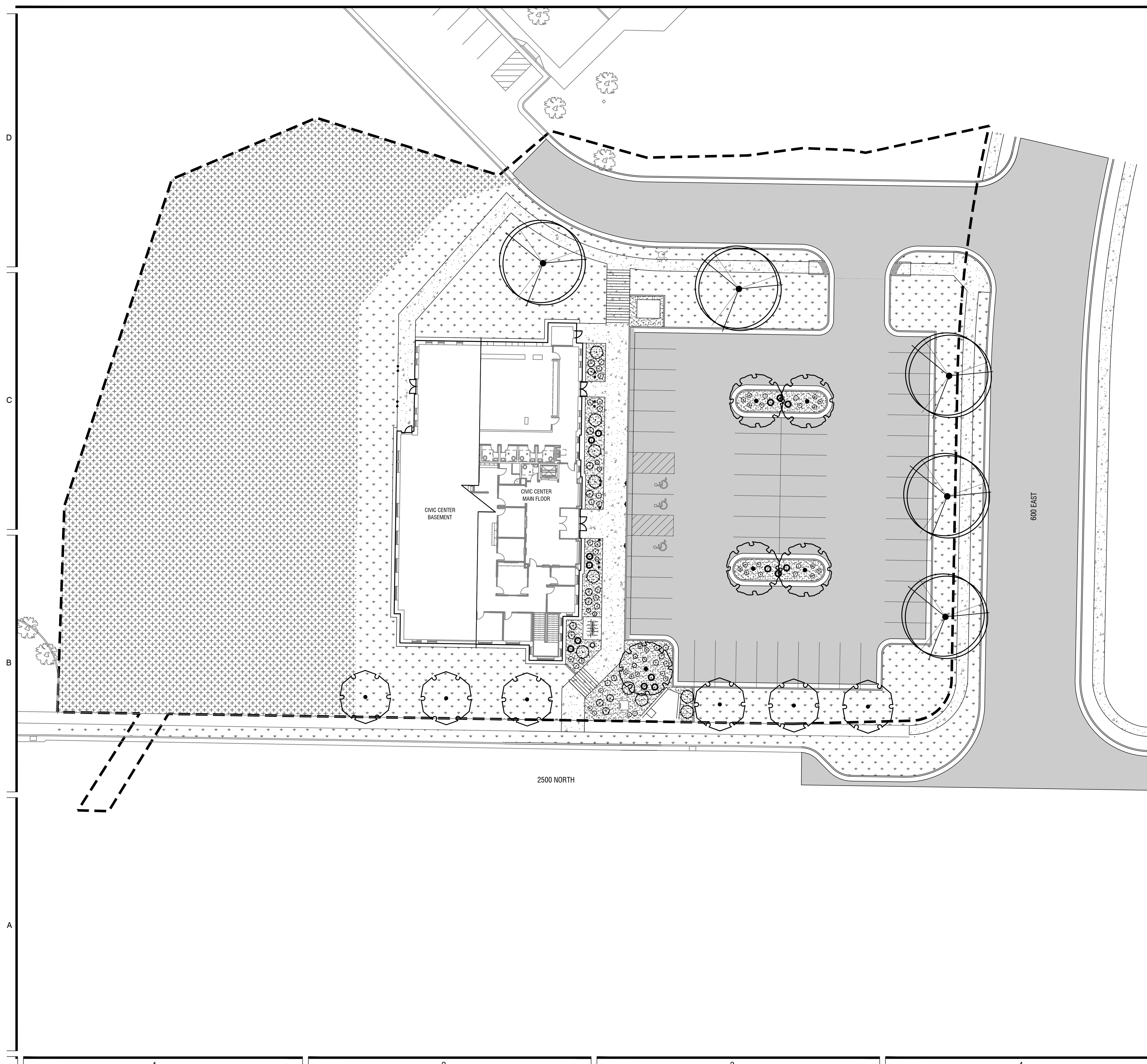
6 THRUST BLOCKING
 SCALE: NTS



1 PLASTIC PIPE EXCAVATION AND BACKFILL
 SCALE: NTS

- NOTES:
- CATCH BASINS SHALL MEET ASTM C858 WITH AASHTO HS-20 LOADING.
 - OPENINGS MAY BE LOCATED AS REQUIRED.
 - CATCH BASIN SHALL BE PRECAST OR CAST IN PLACE OF 3,000 PSI CONCRETE.
 - ALL PIPES SHALL BE FLUSH WITH INTERIOR OF INLET BOX.
 - INSTALL A 6" CIRCULAR WIDTH CONCRETE COLLAR (ON OUTSIDE OF INLET BOX) AROUND ALL PIPES ENTERING INLET BOX.

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LEGEND

SYMBOL	DESCRIPTION	QTY	DETAIL
	TURF GRASS - sod	19,742 sf	4/ASS01
	TURF GRASS - hydro-seed	29,711 sf	
	PLANTER BED - crushed rock, 2" minus	2,812 sf	2/ASS01

PLANT SCHEDULE

TREES	CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL
	AT	6	Acer truncatum 'Norwegian Sunset' / Norwegian Sunset Maple	Container	2'
	MSS	5	Malus x 'Spring Snow' / Spring Snow Crab Apple	B & B	2'
	UXM	5	Ulmus x 'Morton Glossy' TM / Triumph Elm	B & B	2'
SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	CONT	
	CL	6	Cotoneaster lucidus / Hedge Cotoneaster	5 gal	
	FV	13	Forsythia viridissima 'Bronxensis' / Bronx Forsythia	5 gal	
	JB	11	Juniperus horizontalis 'Broadmoor' / Broadmoor Juniper	5 gal	
	MA	5	Mahonia aquifolium 'Compacta' / Compact Oregon Grape	5 gal	
GRASSES	CODE	QTY	BOTANICAL / COMMON NAME	CONT	
	HS	15	Helictotrichon sempervirens 'Sapphire' / Blue Oat Grass	1 gal	
PERENNIALS	CODE	QTY	BOTANICAL / COMMON NAME	CONT	
	EP	17	Echinacea x 'Pow Wow Wildberry' / Purple Coneflower	1 gal	
	HH	25	Hemerocallis x 'Happy Returns' / Happy Returns Daylily	1 gal	
	IR	9	Iris sibirica 'Caesar's Brother' / Caesar's Brother Siberian Iris	1 gal	
	SN	15	Salvia nemorosa 'East Friesland' / East Friesland Salvia	1 gal	

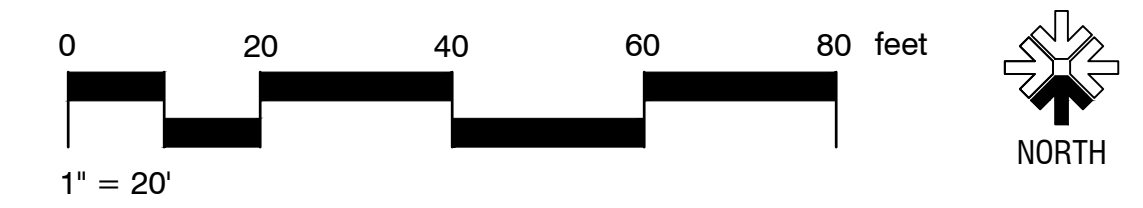
NORTH LOGAN CITY - CIVIC CENTER
 DESIGN DEVELOPMENT PLAN
 NORTH LOGAN, UTAH
 NORTH LOGAN CITY

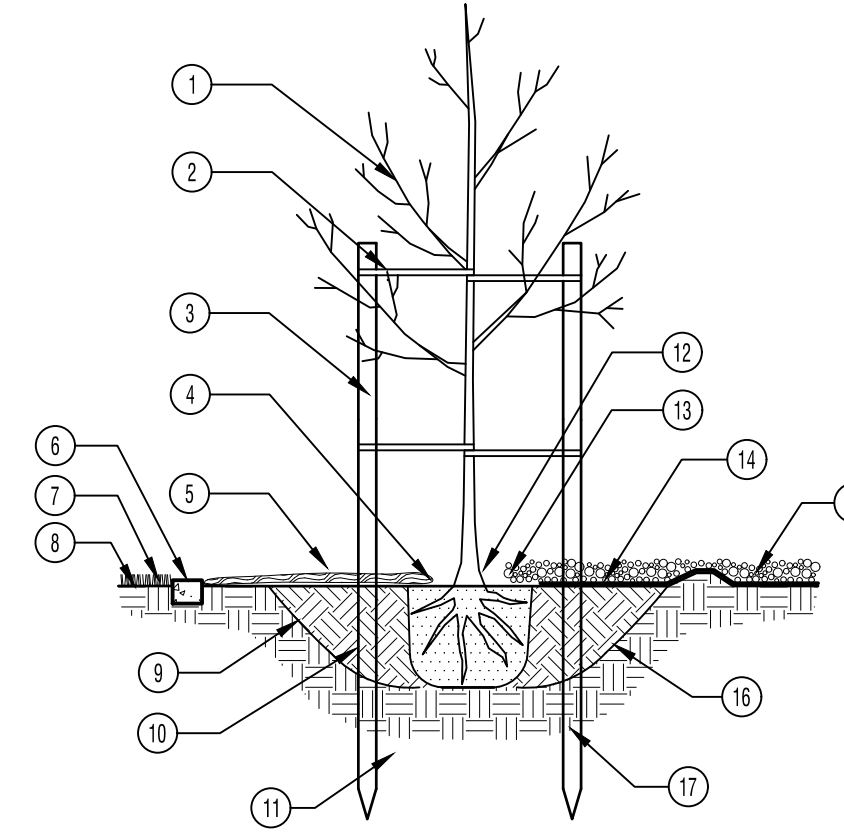
MARK	DATE	DESCRIPTION

PROJECT #: 821239
 DRAWN BY: K. ALTHOUSE
 CHECKED BY: B. WRIGHT
 ISSUED: 03.31.2022

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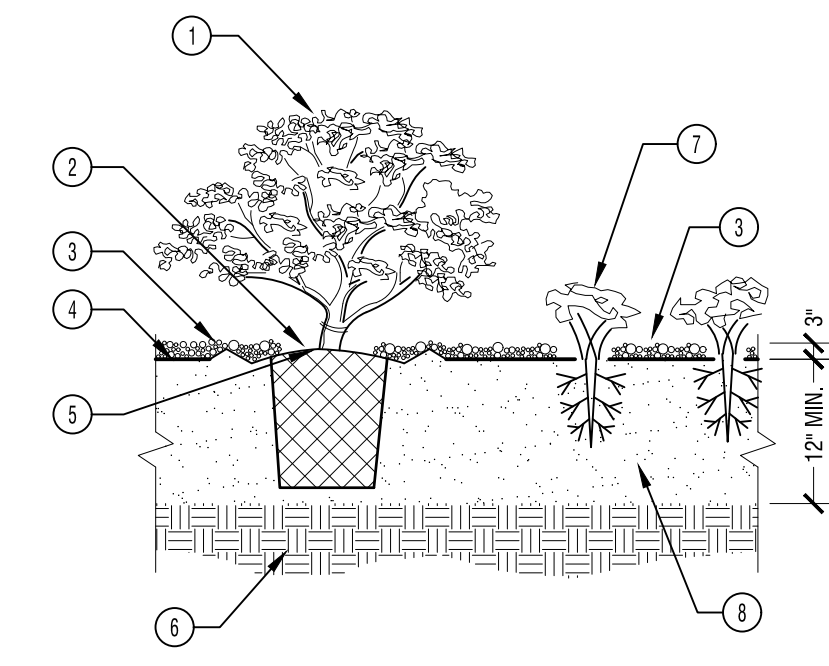


- 1 TREE (SEE PLANT SCHEDULE)
 - 2 "CHAINLOCK" OR EQUAL TREE TIE MATERIAL (1" WIDTH). NAIL OR STAPLE TREE TIE MATERIAL TO STAKE TO HOLD VERTICALLY. LOOSELY LOOP EACH TIE AROUND HALF OF TREE TO PROVIDE 1" SLACK FOR TRUNK GROWTH
 - 3 SUPPORT TREE WITH (2) 2" DIA. TREATED LODGEPOLE PINE DOWELED TREE STAKES (8'-0" LENGTH)
 - 4 AFTER PLACING TREE IN HOLE, REMOVE WIRE AND BURLAP FROM THE UPPER HALF OF THE ROOT BALL (MORE IF THE ROOT BALL IS STABLE)
 - 5 3" DEEP SOIL PEP IN 3' DIA. TREE RING. SEE PLANS FOR TYPE OF EDGING
 - 6 CONCRETE OR TRENCH EDGING, SEE PLANS
 - 7 GRASS
 - 8 FINISH GRADE
 - 9 PLANT PIT SHALL BE THREE TIMES LARGER THAN ROOTBALL. SLOPE EDGES AT 45° AND SCARIFY SIDE BEFORE PLANTING
 - 10 BACKFILL PLANTING PIT WITH NATIVE SOIL AND 1/2 SPECIFIED BACKFILL MIX
 - 11 DRIVE STAKES 6" TO 1'-0" INTO UNDISTURBED SOIL BEFORE BACKFILLING
 - 12 KEEP MULCH 3" AWAY FROM TREE TRUNK
 - 13 PLACE 1-2" DEPTH OF MULCH OVER ROOT BALL
 - 14 PLACE LANDSCAPE FABRIC UNDER MULCH WITH 12" CLEAR CIRCLE AROUND TREE TRUNK
 - 15 ROCK OR SHREDDED BACK MULCH, SEE PLANS
 - 16 EXCAVATE PLANTING PIT SO THAT THE ROOT FLARE SHALL BE 1-2" ABOVE FINAL GRADE OR 10% OF ROOT BALL
 - 17 UNDISTURBED SUBGRADE
- NOTES:
 1. TREES ARE PLACED IN EITHER GRASS AREA OR PLANTER BED. SEE PLANS FOR LOCATION.
 2. INSTALLATION INCLUDES STAKE REMOVAL ONE YEAR AFTER INSTALLATION.

1 TREE PLANTING

3/8" = 1'-0"

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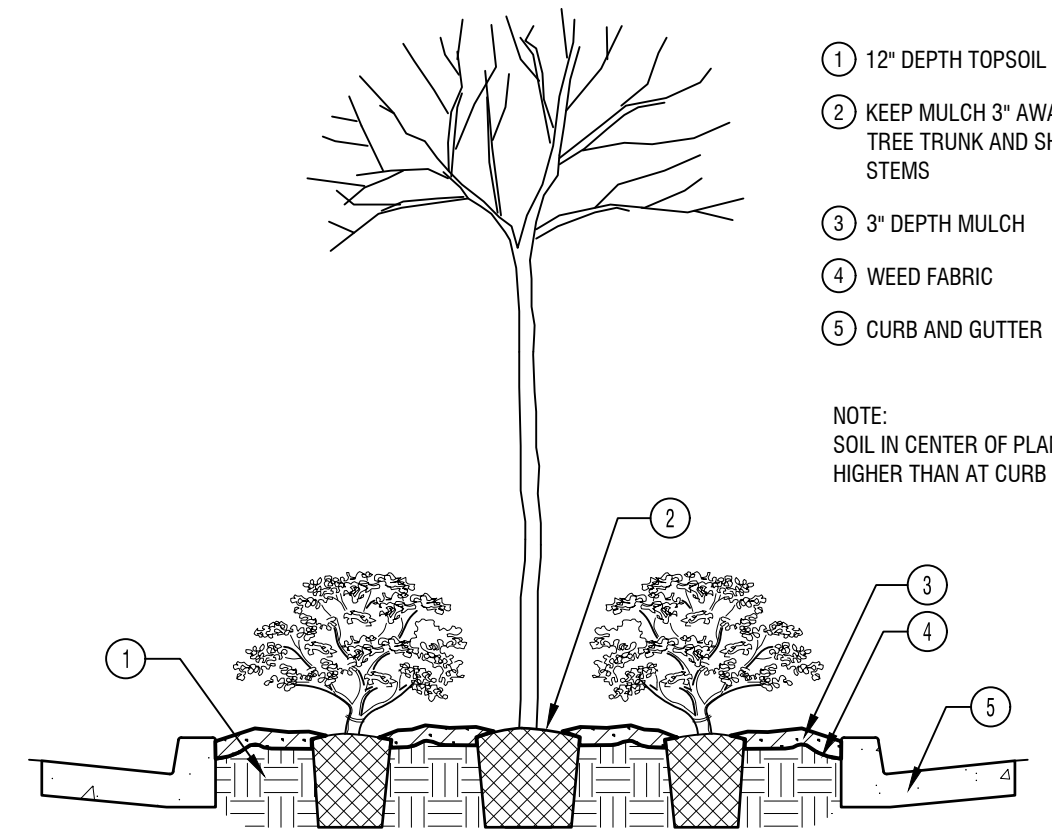


- 1 SHRUB (SEE PLANT SCHEDULE)
 - 2 KEEP MULCH 3" AWAY FROM SHRUB AND PERENNIAL STEMS
 - 3 MULCH PER PLAN
 - 4 LANDSCAPE FABRIC IF SPECIFIED ON PLANS
 - 5 SOIL BACKFILL SHALL NOT BE ABOVE ROOT COLLAR
 - 6 EXISTING SUBGRADE
 - 7 PERENNIAL (SEE PLANT SCHEDULE)
 - 8 BACKFILL WITH SPECIFIED TOPSOIL
- NOTES:
 1. LANDSCAPE FABRIC TO BE INSTALLED UNDER MULCH
 2. LANDSCAPE FABRIC TO BE CUT AWAY 6 INCHES FROM SHRUB/PERENNIALS AND 12 INCHES FROM TREES

2 SHRUB AND PERENNIAL PLANTING

3/4" = 1'-0"

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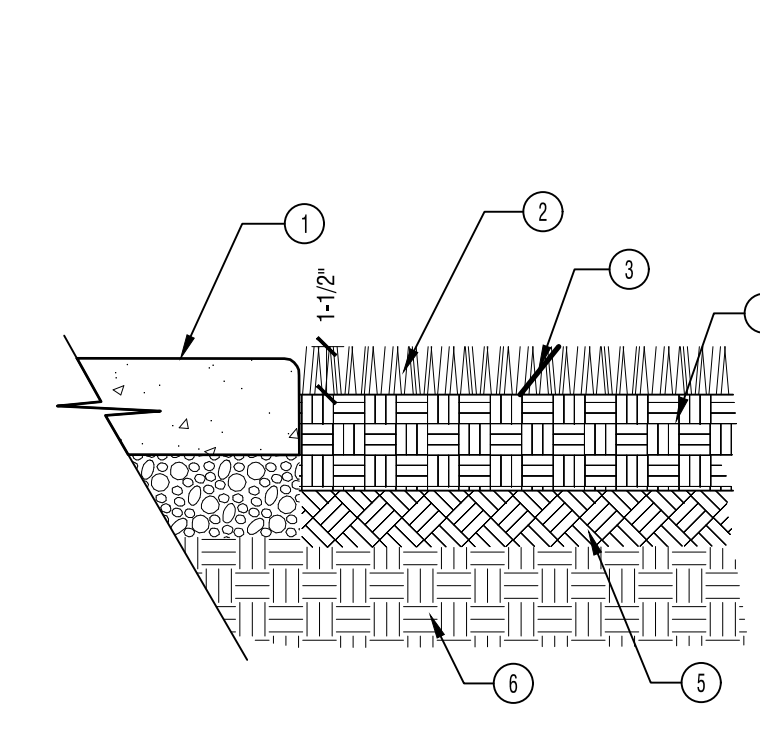


- 1 12" DEPTH TOPSOIL
 - 2 KEEP MULCH 3" AWAY FROM TREE TRUNK AND SHRUB STEMS
 - 3 3" DEPTH MULCH
 - 4 WEED FABRIC
 - 5 CURB AND GUTTER
- NOTE:
 SOIL IN CENTER OF PLANTER HIGHER THAN AT CURB

3 PARKING ISLAND

3/8" = 1'-0"

P-8-NOR-CIV-06

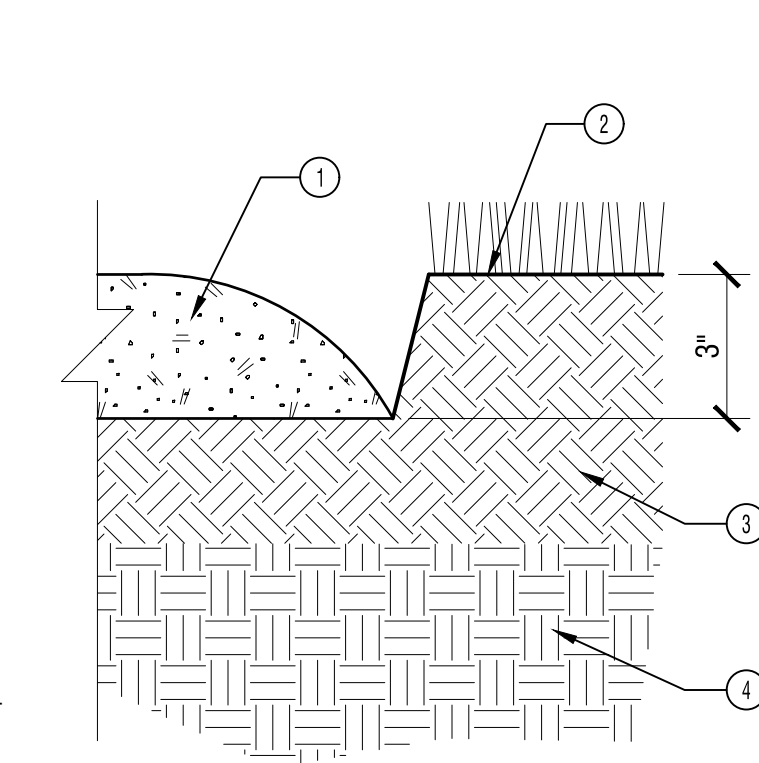


- 1 ADJACENT HARDSCAPE, SEE PLAN FOR MATERIAL
 - 2 SOD
 - 3 TIGHT BEVELED JOINTS
 - 4 TOP SOIL (4" MINIMUM)
 - 5 TRANSITION LAYER TOPSOIL AND NATIVE SOIL MIX
 - 6 UNDISTURBED OR COMPACTED SUBGRADE
- NOTES:
 1. ENSURE SMOOTH TRANSITION WHEN PATCHING OR TYING INTO EXISTING LAWNS.
 2. MATCH SPECIES OF ADJACENT TURF.

4 SOD PLANTING

1 1/2" = 1'-0"

P-8-NOR-CIV-05



- 1 3" DEPTH SOIL PEP
- 2 FINISH GRADE
- 3 SPECIFIED TOPSOIL
- 4 NATIVE SOIL

5 TRENCH EDGE AROUND TREES IN TURF

3/4" = 1'-0"

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GENERAL STRUCTURAL NOTES

GENERAL

- 1. The structural notes are intended to complement the project specifications. Specific notes and details in the drawings shall govern over the structural notes and typical details.
2. Typical details and sections shall apply where specific details are not shown.
3. The structural drawings are not all-inclusive and do not contain all dimensions, elevations, openings, mechanical shafts, and penetrations needed to build the structure.
4. The contractor shall verify all site conditions and dimensions. If actual conditions differ from those shown in the contract drawings, the contractor shall immediately notify the architect/engineer before proceeding with the fabrication or construction of any affected elements.
5. Omissions or conflicts between the contract drawings and/or specifications shall be brought to the attention of the architect/engineer before proceeding with any work involved.
6. The contractor shall submit a written request to the architect/engineer before proceeding with any changes, substitutions, or modifications.
7. The contractor shall coordinate with all trades any items that are to be integrated into the structural system such as openings, penetrations, mechanical and electrical equipment, etc.
8. The contractor shall provide adequate shoring and bracing as required for the chosen method of erection.
9. The contractor shall not cut or core any holes in masonry or concrete walls without prior review by the architect/engineer.
10. Site observations by BHB Consulting Engineers' field representative shall not be construed as approval of construction procedures nor special inspection.
11. Detailing and shop drawing production for structural elements will require information (including dimensions) contained in the architectural, structural and/or other consultants' drawings.
12. Contractor shall review shop drawings for compliance with contract documents, and stamp shop drawings with review stamp prior to submission to architect for review.
13. Only an authorized representative of BHB Consulting Engineers may make changes to these contract drawings.
14. Bidding, pricing or construction done prior to receiving final building permits from the authorities having jurisdiction is at the contractor's own risk.

BASIS OF DESIGN

- 1. Governing Code: International Building Code 2018
a. Risk Category: II
2. Snow Loads:
a. Ground Snow Load: Ps = 44 psf
b. Snow Importance Factor: Is = 1.0
c. Snow Exposure Coefficient: Ce = 1.0
d. Thermal Exposure Coefficient: Ct = 1.0
e. Roof Snow Load: Pt = 0.7 * Ce * Is * Pp = 31 psf plus Snow Drift
3. Rain Loads:
a. Rain Intensity: i = 1.5 in/hr
4. Roof Live Load: 20 psf
5. Floor Live Loads:
a. Office: 80 psf + 20 psf Partition
b. Exit Facilities & Corridors: 100 psf
6. Seismic Loads:
a. Seismic Importance Factor, Is: 1.0
b. Seismic Design Category: D
c. Site Specific Ground Motion: Provided by the Geotechnical Engineer
d. Soil Site Class: D
e. Soil Site Coefficients: Fa = 1.20, Fv = 1.75
f. 5% Damped Design Spectral Response Acceleration: Sps = 2/3 * Fa * Ss = 0.744g, Spt1 = 2/3 * Fv * S1 = 0.460g, Special Masonry Shear Walls: R = 5.0, Omega = 2.5, Cb = 3.5, Pp = 1.0, Pp1 = 1.0, T = 0.536 seconds, Cs = Sps * I / R, Cs = Spt1 * I / (R*T), Dead Loads of Structure: Vx = Cw * W = 0.148 * W, Vy = Cs * W = 0.148 * W
g. Seismic-Force-Resisting System: H
h. Response Modification Coefficient: R = 5.0
i. System Over-strength Factor: Omega = 2.5
j. Deflection Amplification Factor: Cb = 3.5
k. Redundancy Factors: Pp = 1.0, Pp1 = 1.0
l. Fundamental Building Period: T = 0.536 seconds
m. Seismic Response Coefficient: Cs = Sps * I / R, Cs = Spt1 * I / (R*T)
n. W
o. Base Shear: Vx = Cw * W = 0.148 * W, Vy = Cs * W = 0.148 * W
p. Analysis Procedure: Equivalent Lateral Force (Static)

- 7. Wind Loads:
a. Basic Wind Velocity (3 Second Gust): 103 mph
b. Exposure Type: B
c. Internal Pressure Coefficient, GCpi: +/-0.18
d. Topographic Factor, Kzt: 1.0
e. Ground Elevation Factor, Ke: 1.0
f. Components and Cladding Wind Force Table (psf, Strength Design)

Table with columns: Wall Zone, Effective Wind Area for Component (sq ft), 10 sq ft, 20 sq ft, 50 sq ft, 100 sq ft, 500 sq ft. Rows: 4, 5.

- 8. Serviceability Criteria:
a. Beam Non-Composite Superimposed Load Deflection:
i. Interior: L/360
ii. Perimeter: L/360 (0.625" Max)
b. Beam Post-Composite Superimposed Load Deflection:
i. Interior: L/360
ii. Perimeter: L/360 (0.625" Max)
c. Interstory Seismic/Wind Drift:
i. All: Delta_m < 0.02h (Where h is the story height)

FOUNDATION

- 1. Soils Report: CMT Engineering, Author: February 22, 2022, Project No: 17860
2. Soil Bearing Pressure: 2000 psf, see Earthwork Section.
3. Frost Protection: 30" minimum to bottom of footing. Contractor shall verify that the footing elevations and final grades indicated on the plans will provide the minimum frost protection.
4. Lateral Soil Pressure Fluid Equivalent Density:
a. Active: 35 pcf (retaining walls), 24psf (additional seismic)
b. At Rest: 55 pcf (rigid foundation walls)
c. Passive: 425 pcf

EARTHWORK

- 1. All footings shall bear on a minimum of 18" of compacted structural fill extending down to suitable natural material.

CONCRETE

- 1. Materials, unless noted otherwise:
a. Normal weight aggregates: ASTM C 33
b. Reinforcing Steel: ASTM 615 Grade 60 (Fy = 60 ksi)
c. Deformed Bar Anchors (DBA): ASTM A496
d. Headed Stud Anchors (HSA): ASTM A108
e. Anchor Rods: See Structural Steel section
f. Admixtures:
i. Air-entraining admixtures shall comply with ASTM C 260 (when used).
ii. Calcium chloride shall not be added to the concrete mix.
iii. Water-reducing admixture shall comply with ASTM C 494/C 494M, Type A (when used)
iv. Retarding admixture shall comply with ASTM C 494/C 494M, Type B (when used)
v. Water-reducing and retarding admixture shall comply with ASTM C 494/C 494M, Type D (when used)
vi. High-range, water-reducing admixture shall comply with ASTM C 494/C 494M, Type F (when used)
vii. High-range, water-reducing and retarding admixture shall comply with ASTM C 494/C 494M Type G (when used)
viii. Admixture manufacturer shall have ISO 9001 Quality Certification.
g. Type III cement complying with ASTM C-150 shall be used for all concrete.
h. The water/cementitious materials ratios shall meet the requirements of Table 19.3.2.1 of ACI 318-14.
i. Cementitious Materials - Limit percentage, by weight, of cementitious materials other than portland cement as follows:
ii. Fly Ash - ASTM C618, Class C or F - 35% maximum cementitious content.
iii. Slag Cement - ASTM C989, Grade 100 or 120 - 50% maximum cementitious content.
j. Provide air entraining as recommended by Table 19.3.3.1 of ACI 318-14.
k. Concrete shall meet the requirements of ACI 117.
l. No aluminum conduit or product containing aluminum or any other material injurious to concrete shall be embedded in concrete.

- 2. Compressive strengths of concrete at 28 days shall meet the follow performance requirements (see ACI-318-14; Chapter 19):
a. Footings & Interior Foundation Walls
b. Exterior Foundation Walls
c. Interior Slabs on Grade
d. Normal Weight Concrete over Steel Deck
e. All Site Concrete with Reinforcement
f. All Site Concrete without Reinforcement

- 3. Reinforcement for concrete over metal floor decks
4. Only one grade or type of concrete shall be poured on the site at any given time.
5. The contractor shall be responsible for the design, detailing, care, placement and removal of all formwork and shores.

- 6. Reinforcement shall have the following concrete cover:
a. Cast-in-place Concrete
b. Formed concrete exposed to earth or weather
c. Concrete not exposed to weather or in contact with ground

- 7. Detailing:
a. Lap splice lengths shall be detailed to comply with the "Concrete Reinforcing Bar Lap Splice Schedule" on sheet S-601.
b. At joints, provide reinforcing dowels to match the member reinforcing.
c. At all discontinuous control or construction slab on grade joints, provide 2 - #4 x 48".
d. Corner Bars: Provide corner bars at intersecting wall corners using the same bar size and spacing as the horizontal wall reinforcing.
e. All vertical reinforcing shall be doweled to footings, or to the structure below with the same size and spacing as the vertical reinforcing for the element above.

- 8. Construction Joints, Control (Contraction) Joints:
a. Construction joints in all horizontal and vertical construction joints including between top of footing and foundation walls shall be intentionally roughened to a full amplitude of approximately 1/4".
b. Control joints shall be installed in slabs on grade so the length to width ratio of the slab is no more than 1.25:1.
c. For interior concrete slabs-on-grade that are to receive no floor covering, install construction or control joints in slabs on grade at a spacing not to exceed 24 times the slab thickness in any direction.
d. For architectural exposed concrete walls, including retaining walls, provide contraction joints at a uniform spacing of not more than 20 ft o/c by placing deep (1.5 times the maximum aggregate size), narrow rustication strips on both wall faces to induce cracking.

- 9. Construction:
a. Use chairs or other support devices recommended by the CRSI to support and tie reinforcement bars and WVF prior to placing concrete.
b. Concrete to be mechanically consolidated during placement per ACI standards.
c. Contractor shall coordinate placement of all openings, curbs, dowels, sleeves, conduits, bolts, inserts and other embedded items prior to concrete placement.
d. All embeds, anchors and dowels shall be securely tied to formwork or to adjacent reinforcing prior to the placement of concrete.
e. No pipes, ducts, sleeves, etc shall be placed in structural concrete unless specifically detailed or approved by the structural engineer.
f. Reinforcing Bars shall not be welded. Do not substitute reinforcing bars for DBAs or HSAs.

POST-INSTALLED ANCHORS

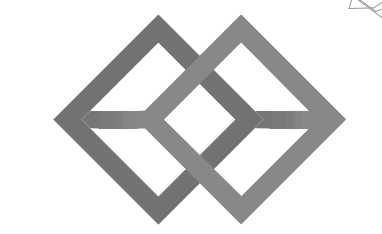
- 1. General Post-Installed Anchor Notes:
a. Do not install adhesive anchors in concrete if less than 21 days old; do not install mechanical anchors, screw anchor or powder actuated anchors in concrete less than 7 days old.
b. Anchors or adhesives specified in details shall be provided; alternative anchors or adhesives may be used if the contractor provides calculations demonstrating that the alternative can achieve the performance values of the specified product.
c. Follow all the manufacturer's recommendations and certification testing reports for anchor installation.
d. No anchor shall be installed within 1.5 anchor rod diameters of an abandoned hole that has been filled with non-shrink grout.
2. Adhesive Anchors:
a. For anchors in concrete, the adhesives shall be divided into two groups: Standard Adhesives and High Strength Adhesives.
b. For anchors in grouted masonry, the adhesive shall be HIT-HY-270, HIT-HY-200-R, HIT-HY-200-R2, HIT-HY-200-R3, HIT-HY-200-R4, HIT-HY-200-R5, HIT-HY-200-R6, HIT-HY-200-R7, HIT-HY-200-R8, HIT-HY-200-R9, HIT-HY-200-R10, HIT-HY-200-R11, HIT-HY-200-R12, HIT-HY-200-R13, HIT-HY-200-R14, HIT-HY-200-R15, HIT-HY-200-R16, HIT-HY-200-R17, HIT-HY-200-R18, HIT-HY-200-R19, HIT-HY-200-R20, HIT-HY-200-R21, HIT-HY-200-R22, HIT-HY-200-R23, HIT-HY-200-R24, HIT-HY-200-R25, HIT-HY-200-R26, HIT-HY-200-R27, HIT-HY-200-R28, HIT-HY-200-R29, HIT-HY-200-R30, HIT-HY-200-R31, HIT-HY-200-R32, HIT-HY-200-R33, HIT-HY-200-R34, HIT-HY-200-R35, HIT-HY-200-R36, HIT-HY-200-R37, HIT-HY-200-R38, HIT-HY-200-R39, HIT-HY-200-R40, HIT-HY-200-R41, HIT-HY-200-R42, HIT-HY-200-R43, HIT-HY-200-R44, HIT-HY-200-R45, HIT-HY-200-R46, HIT-HY-200-R47, HIT-HY-200-R48, HIT-HY-200-R49, HIT-HY-200-R50.

MASONRY

- 1. Materials, unless noted otherwise:
a. Concrete Masonry Units (CMU) ASTM C90. Light weight (minimum net area unit strength of 2,000 psi, f_m = 2,000 psi.
b. Mortar Cement ASTM C270: Use Type "S"
c. Masonry Grout ASTM C476: grout shall attain a minimum compressive strength of 2,500 psi at 28 days
d. Reinforcing Steel: ASTM 615 Grade 60 (Fy = 60 ksi)
e. Deformed Bar Anchors (DBA): ASTM A496
f. Headed Stud Anchors (HSA): ASTM A108
g. Anchor Rods: ASTM F1554, Grade 36 with ASTM A563 heavy hex nuts and ASTM F436 hardened washers
2. Reinforcement shall have the following cover:
a. Typical reinforcement shall have a minimum coverage of one bar diameter over all the bars, but not less than 3/4".
b. Joint reinforcement shall have not less than 5/8" mortar coverage from the exposed face.

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SALT LAKE CITY, UT 84103
255 SOUTH 300 WEST
795 NORTH 400 WEST
NORTH LOGAN CITY - CIVIC CENTER
NORTH LOGAN, UT
NORTH LOGAN CITY

BHB PROJECT #: 220074
DRAWN BY: JC
CHECKED BY: DP
ISSUED: 03/30/2022
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BHB STRUCTURAL
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GENERAL
STRUCTURAL NOTES
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REQUIREMENTS FOR SPECIAL INSPECTION, MATERIAL TESTING, AND STRUCTURAL OBSERVATION

STATEMENT OF SPECIAL INSPECTION AND QUALITY ASSURANCE

Table with 2 columns: Responsibility (Special Inspector, Contractor) and Description of duties.

SOILS CONSTRUCTION INSPECTIONS

Table with 3 columns: ITEM FOR VERIFICATION & INSPECTION, INSPECTION FREQUENCY (CONTINUOUS, PERIODIC), COMMENTS.

CONCRETE CONSTRUCTION INSPECTIONS

Table with 3 columns: ITEM FOR VERIFICATION & INSPECTION, INSPECTION FREQUENCY (CONTINUOUS, PERIODIC), COMMENTS.

STEEL BOLTED CONSTRUCTION INSPECTIONS

Table with 4 columns: ITEM FOR VERIFICATION & INSPECTION, INSPECTION PLAN (Every Element, Random Basis), COMMENTS.

STEEL WELDED CONSTRUCTION INSPECTIONS

Table with 4 columns: ITEM FOR VERIFICATION & INSPECTION, INSPECTION PLAN (Every Element, Random Basis), COMMENTS.

MISCELLANEOUS STEEL CONSTRUCTION INSPECTIONS

Table with 4 columns: ITEM FOR VERIFICATION & INSPECTION, INSPECTION FREQUENCY (CONTINUOUS, PERIODIC), COMMENTS.

MASONRY CONSTRUCTION INSPECTIONS

Table with 4 columns: ITEM FOR VERIFICATION & INSPECTION, INSPECTION FREQUENCY (CONTINUOUS, PERIODIC), COMMENTS.

COLD FORMED STEEL CONSTRUCTION INSPECTIONS

Table with 4 columns: ITEM FOR VERIFICATION & INSPECTION, INSPECTION FREQUENCY (CONTINUOUS, PERIODIC), COMMENTS.

POST-INSTALLED ANCHOR INSPECTIONS

Table with 4 columns: ITEM FOR VERIFICATION & INSPECTION, INSPECTION FREQUENCY (CONTINUOUS, PERIODIC), COMMENTS.

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NORTH LOGAN CITY - CIVIC CENTER NORTH LOGAN, UT NORTH LOGAN CITY

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SPECIAL INSPECTION NOTES S-003

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REQUIREMENTS FOR SPECIAL INSPECTION, MATERIAL TESTING, AND STRUCTURAL OBSERVATION

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NON-STRUCTURAL COMPONENT CONSTRUCTION INSPECTIONS

Architectural Components located in Seismic Design Categories C, D, E and F (2018 IBC Sections 1705.12.5 and 1705.12.7)

ITEM FOR VERIFICATION & INSPECTION	INSPECTION FREQUENCY		COMMENTS
	CONTINUOUS	PERIODIC	
Exterior cladding, and exterior veneer	-	X	Verify attachments of exterior metal clad fastening systems, drift clips, veneer support angles and attachments, and all masonry, stone or rain screen seismic attachments.
Erection and fastening of interior and exterior nonbearing walls	-	X	Verify appropriate materials, fasteners and attachment at commencement of work and at completion. (Not required if <30 feet or for interior walls < 15 psf.)

Mechanical and Electrical Components located in Seismic Design Categories C, D, E and F (2018 IBC Sections 1705.12.4 and 1705.12.6)

ITEM FOR VERIFICATION & INSPECTION	INSPECTION FREQUENCY		COMMENTS
	CONTINUOUS	PERIODIC	
Designated seismic systems	-	X	Verify that manufacturer's certificate of compliance conforms to the requirements of Section 13.2 of ASCE 7-16. Verify that the label, anchorage or mounting conforms to the manufacturer's certificate of compliance.

STRUCTURAL OBSERVATION PROGRAM

If structural observations are required, they shall be done by the Engineer of Record or an approved subordinate at the stages of construction listed in the Construction Notification Phases section of these notes. At the conclusion of the project, the designated structural observer shall submit to the building official a written statement that the site visits have been made and identify any reported deficiencies that to the best of the structural observer's knowledge have not been resolved (See IBC 2018 1704.6).

STRUCTURAL OBSERVATION PROGRAM REQUIRED BY CODE:	YES	NO
		X

CONSTRUCTION MILESTONE SCHEDULE

CONTRACTOR TO NOTIFY ENGINEER AT THE FOLLOWING CONSTRUCTION PHASES:

CONCRETE	
Footings, stem walls and piers	Prior to pouring concrete
Concrete over metal floor deck	Prior to pouring concrete
Concrete walls	Prior to covering reinforcing with formwork
STEEL	
Floor framing	After substantial portion of framing is erected
Roof framing	After substantial portion of framing is erected
Roof deck	After welding/fastening and prior to roofing
MASONRY	
Masonry walls	Prior to pouring grout

DEFERRED SUBMITTALS

For the purposes of this section, deferred submittals are defined as per section 107.3.4.1 of the IBC 2018. Submittal documents for deferred submittal items shall be submitted to the engineer, architect and building official for their review for general conformance with the design of the building.

DEFERRED STRUCTURAL SUBMITTALS FOR THIS PROJECT ARE

None

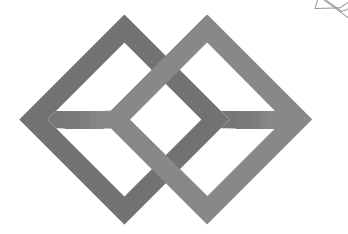
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 SALT LAKE CITY, UT 84103

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SPECIAL INSPECTION NOTES

S-004

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**LEGEND OF MARKS
 AND ABBREVIATIONS**

S-010

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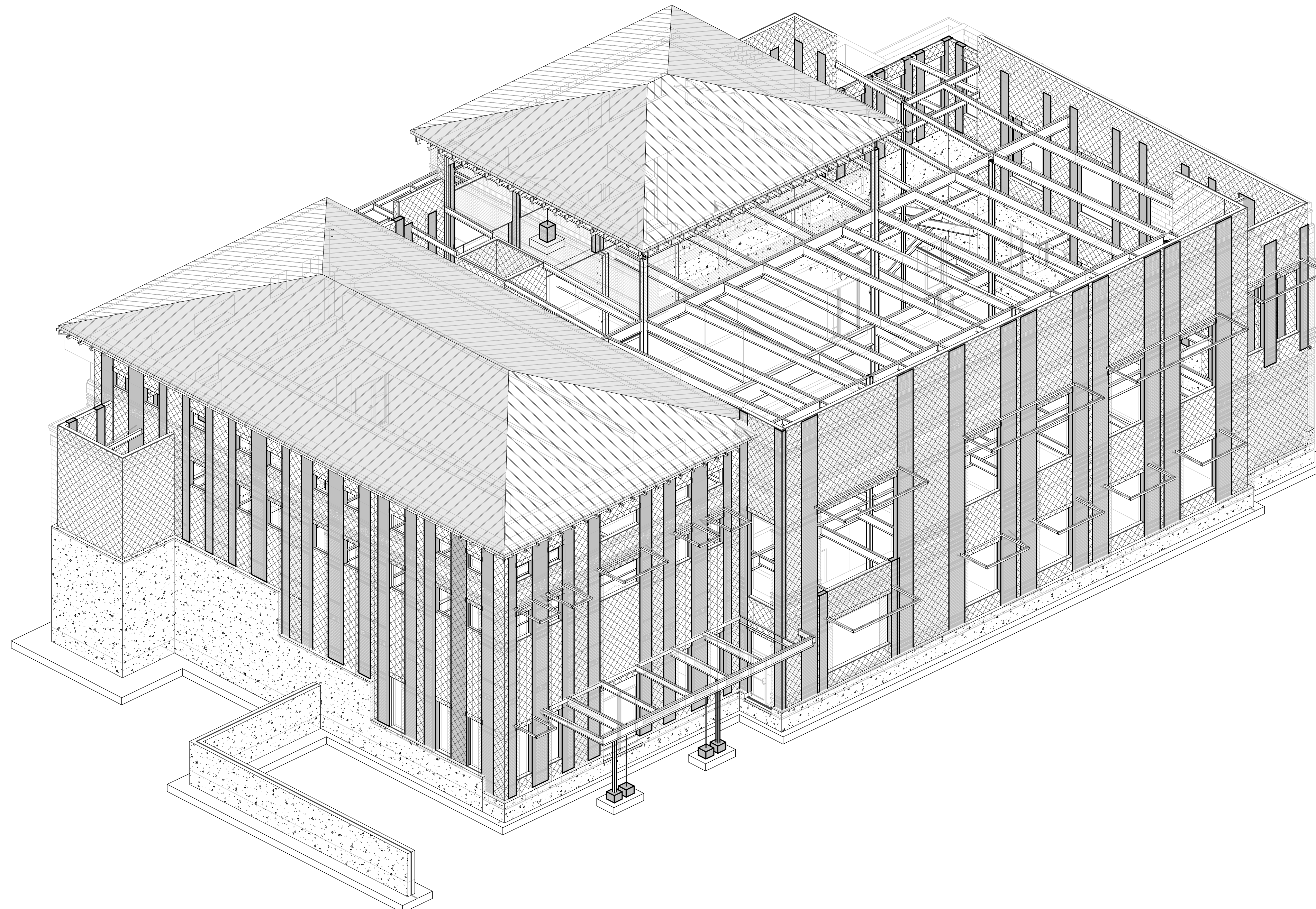
BLANK LEGENDS			
	SECTION MARK		INDICATES DEPRESSED SLAB, SEE ARCHITECTURAL PLANS.
	SHEET NUMBER		INDICATES PLYWOOD ROOF SHEATHING, SEE SCHEDULE ON SHEET
	FOOTING DESIGNATION		INDICATES MASONRY WALL (AND TYPE), SEE SCHEDULES ON SHEET(S) S-601 S-602
	TOP OF FOOTING ELEVATION		INDICATES MASONRY WALL TYPE, SEE SCHEDULE ON SHEET S-602
	R.D. INDICATES ROOF DRAIN, SEE DETAIL S/S-022		INDICATES METAL STUD WALL (AND TYPE) OVER CONCRETE WALL (AND TYPE), SEE SCHEDULES ON SHEET(S) S-601 S-603
	RTU INDICATES ROOF MECHANICAL UNIT AND WEIGHT OF UNIT		INDICATES MASONRY WALL TYPE, SEE SCHEDULE ON SHEET S-602
	INDICATES CONCRETE WALL, DASHED WALLS STOP AT DECK		INDICATES MASONRY WALL TYPE, SEE SCHEDULE ON SHEET S-602
	INDICATES MASONRY WALL, DASHED WALLS STOP AT DECK		INDICATES MASONRY WALL TYPE, SEE SCHEDULE ON SHEET S-602
	DEPRESS FOUNDATION WALL AND POUR SLAB OVER, SEE DETAIL 7/S-011		INDICATES CONCRETE FOUNDATION WALL TYPE, SEE SCHEDULE ON SHEET S-601
	INDICATES STRUCTURAL WALL ABOVE.		
	FCx.x INDICATES CONTINUOUS FOOTING, SEE SCHEDULE ON SHEET S-601		
	FSx.x INDICATES SPOT FOOTING, SEE SCHEDULE ON SHEET S-601		
	ML.x INDICATES MASONRY LINTEL TYPE, SEE SCHEDULE ON SHEET S-602		
	MP.x INDICATES MASONRY PIER TYPE, SEE SCHEDULE ON SHEET S-602		

SNOW DRIFT LEGEND	
	INDICATES AREA OF SNOW DRIFT. JOIST SUPPLIER TO ADD SNOW DRIFT LOAD TO JOISTS AND GIRDERS
	INDICATES ADDITIONAL LOADING DUE TO SNOW DRIFT (SEE SNOW DRIFT NOTE)
	xx psf INDICATES LOAD AT HIGH POINT x'-x" INDICATES LENGTH OF DRIFT
	xx psf INDICATES LOAD AT LOW POINT x'-x" INDICATES LENGTH OF DRIFT
	xx psf INDICATES UNIFORM AND POINT LOADS SHOWN ON PLANS. JOIST SUPPLIER TO ADD SNOW DRIFT LOAD TO BOTH JOISTS AND GIRDERS

LEGEND OF MARKS AND ABBREVIATIONS

AB	ANCHOR BOLT(S)	k	KIP(S) = 1000 POUNDS
ABV	ABOVE	KLF	KIPS PER LINEAL FOOT
ALT	ALTERNATE	KSF	KIPS PER SQUARE FOOT
APRCH	APPROXIMATE		
ARCH	ARCHITECT[URAL]	LBS	POUNDS
		LF	LINEAL FOOT
BLDG	BUILDING	LLH	LONG LEG HORIZONTAL
BLW	BELOW	LLV	LONG LEG VERTICAL
BM	BEAM	LSH	LONG SIDE HORIZONTAL
BOT	BOTTOM	LSV	LONG SIDE VERTICAL
BRG	BEARING		
BTWN	BETWEEN	MAS	MASONRY
		MAX	MAXIMUM
CC	CENTER-TO CENTER	MCJ	MASONRY CONTROL JOINT
C.J.	CONST./CONTROL JOINT	MC-x	MASONRY COLUMN MARK
CIP	COMPLETE JOINT PENETRATION	MECH	MECHANICAL
		MFR	MANUFACTURER
CMU	CONCRETE MASONRY UNIT	MIN	MINIMUM
COL	COLUMN	MISC	MISCELLANEOUS
CONC	CONCRETE	ML-x	MASONRY LINTEL
CONST	CONSTRUCTION	MP-x	MASONRY PIER
CP-x	CONCRETE PIER	MW-x	MASONRY WALL
CRW-x	CONCRETE RETAINING WALL	MSW	METAL STUD WALL
CTR	CENTER		
CW-x	CONCRETE WALL	NIC	NOT IN CONTRACT
		NTS	NOT TO SCALE
DB	DECK BEARING	O.C.	ON CENTER
DBA	DEFORMED BAR ANCHOR	O.F.	OUTSIDE FACE
DBE	DECK BEARING ELEVATION	OPNG	OPENING
DBL	DOUBLE	OPP	OPPOSITE
DET	DETAIL		
DIA	DIAMETER	PAF	POWDER-ACTUATED FASTENER
DIM	DIMENSION	PCF	POUNDS PER CUBIC FOOT
DN	DOWN	PL	PLATE
DWG	DRAWING	PLF	POUNDS PER LINEAL FOOT
DWL	DOWEL	PSF	POUNDS PER SQUARE FOOT
		PSI	POUNDS PER SQUARE INCH
		PT	POINT
EA	EACH	REINF	REINFORCING
E.F.	EACH FACE	REQD	REQUIRED
E.J.	EXPANSION JOINT	R.D.	ROOF DRAIN
ELEC	ELECTRICAL	RTU	ROOF TOP UNITS
ELEV	ELEVATION		
E.O.D.	EDGE OF DECK	SBP-x	STEEL BASE PLATE MARK
E.O.S.	EDGE OF SLAB	SCW	SEISMIC CRITICAL WELD
EQUIP	EQUIPMENT	SC-x	STEEL COLUMN MARK
EQ	EQUAL	SCP-x	STEEL CAP PLATE MARK
E.W.	EACH WAY	SHT	SHEET
EXST	EXISTING	SI	SPECIAL INSPECTION
EXP	EXPANSION	SIM	SIMILAR
EXT	EXTERIOR	SMU	SUSPENDE MECHANICAL UNITS
		SOG	SLAB-ON-GRADE
FC-x	CONTINUOUS FOOTING MARK	SQ	SQUARE
F.D.	FLOOR DRAIN	SRE	SEISMIC RESISTING ELEMENT
FDN	FOUNDATION	STAG	STAGGERED
F.F.	FINISHED FLOOR	STD	STANDARD
FR-x	RECTANGULAR FOOTING	STL	STEEL
FS-x	SQUARE FOOTING MARK	STR	STRUCTURAL
FT	FOOT	STS	SELF TAPPING SCREWS
FTG	FOOTING		
FTS-x	THICKENED SLAB MARK	T&B	TOP AND BOTTOM
		TEMP	TEMPERATURE
GA	GAUGE	THDS	THREADS
GALV	GALVANIZED	T.O.	TOP OF
GSN	GENERAL STRUCTURAL NOTES	TOC	TOP OF CONCRETE
		TOD	TOP OF DECK
HORIZ	HORIZONTAL	TOF	TOP OF FOOTING
HSA	HEADED STUD ANCHOR	TOW	TOP OF WALL
HT	HEIGHT	TYP	TYPICAL
ICC	INTERNATIONAL CODE COUNCIL	UNO	UNLESS NOTED OTHERWISE
IBC	INTERNATIONAL BUILDING CODE		
I.F.	INSIDE FACE	VERT	VERTICAL
IN.	INCH		
INT	INTERIOR	W/	WITH
		WT	WALL THICKNESS
JT	JOINT	WWF	WELDED WIRE FABRIC
JST	JOIST	WWM	WELDED WIRE MESH

0-Sheet List SL-BIM	
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S-002	GENERAL STRUCTURAL NOTES
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S-004	SPECIAL INSPECTION NOTES
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1
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FOOTING AND FOUNDATION PLAN NOTES

- COORDINATE LOCATION OF DEPRESSED SLABS, SLOPED SLABS, AND FLOOR DRAINS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
- SEE ARCHITECTURAL AND CIVIL DRAWINGS FOR EXTERIOR CONCRETE WORK AT DOORS, SIDEWALKS, ETC.
- SEE ARCHITECTURAL DRAWINGS FOR CONTROL JOINT LOCATIONS.
- SEE "EARTHWORK" NOTES ON SHEET S-001 AND DETAIL S/S-502 FOR MINIMUM FILL REQUIRED BENEATH FOOTINGS.
- ALL SPOT FOOTINGS SHALL BE CENTERED UNDER COLUMNS (UNO).
- SEE DETAILS 1/S-501 AND 2/S-501 FOR CONDITION WHERE BURIED PIPES RUN PARALLEL AND PERPENDICULAR TO FOOTINGS.
- SEE DETAIL S/S-501 FOR TYPICAL CONTROL CONSTRUCTION JOINTS IN CONCRETE SLAB ON GRADE.
- SEE DETAIL 7/S-501 FOR SLAB REINFORCING WHERE CONTROL JOINTS ARE DISCONTINUOUS.
- SEE DETAIL 10/S-501 FOR ADDITIONAL REINFORCING AT MISCELLANEOUS OPENINGS IN MASONRY WALLS.
- SEE DETAIL 12/S-501 FOR ADDITIONAL REINFORCING AT MISCELLANEOUS OPENINGS IN CONCRETE WALLS.
- SEE DETAIL 5/S-501 FOR CONDITION AT RECESSES IN MASONRY WALLS.
- SEE DETAIL S/S-501 FOR TYPICAL CONTROL JOINTS IN MASONRY WALLS.
- SEE DETAIL 13/S-501 FOR TERMINATION OF HORIZONTAL REINFORCING IN MASONRY WALLS.
- SEE DETAIL S/S-502 FOR ANCHORAGE OF HOUSEKEEPING PADS.
- SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS TO ALL STEEL COLUMNS.
- FIELD VERIFY ALL OF FOOTING ELEVATIONS WITH FINISHING GRADES. ALL EXTERIOR FOOTINGS TO HAVE MINIMUM FROST COVER PER THE GENERAL STRUCTURAL NOTES.

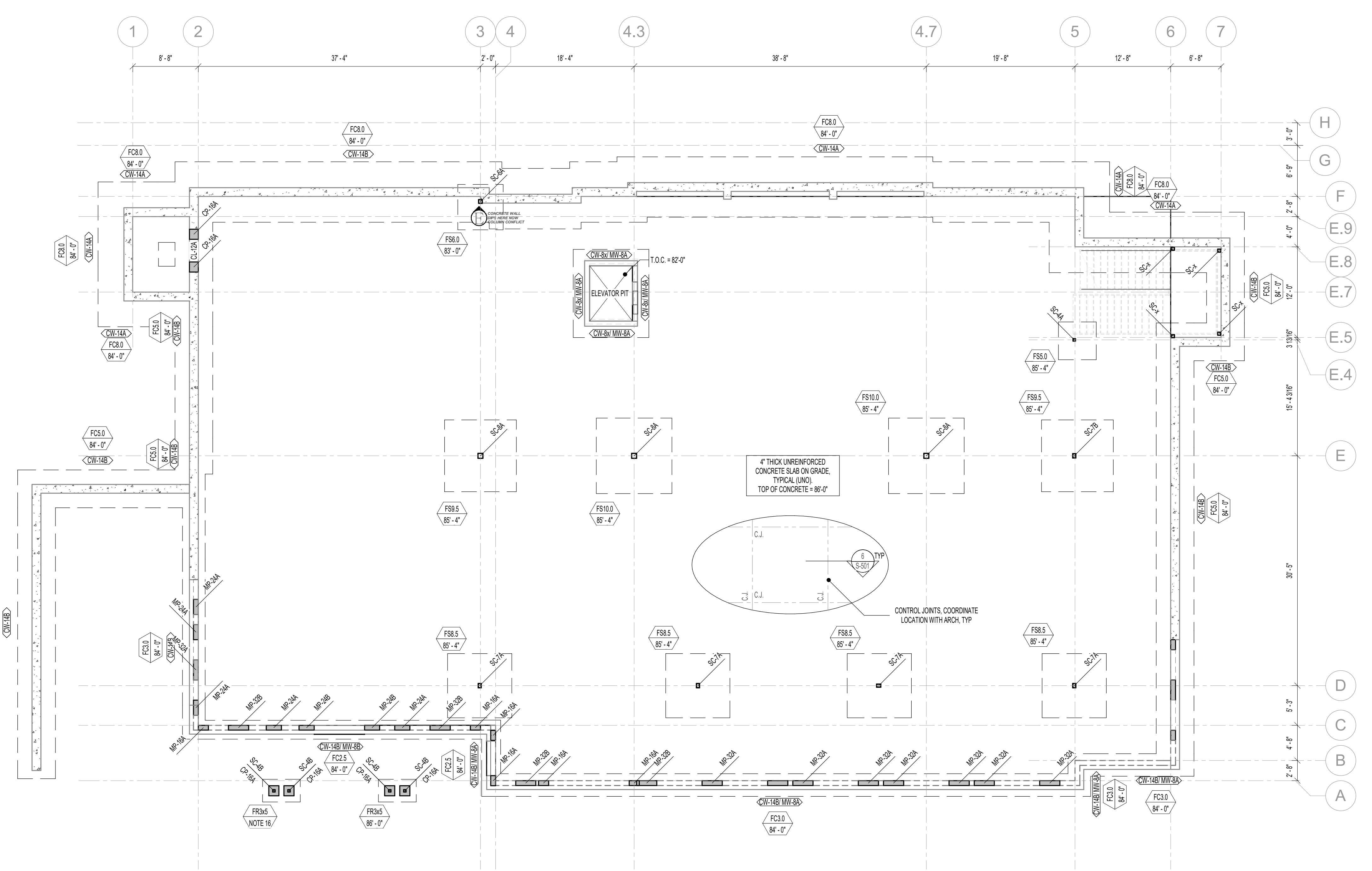
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BASEMENT FOOTING AND FOUNDATION PLAN

S-101

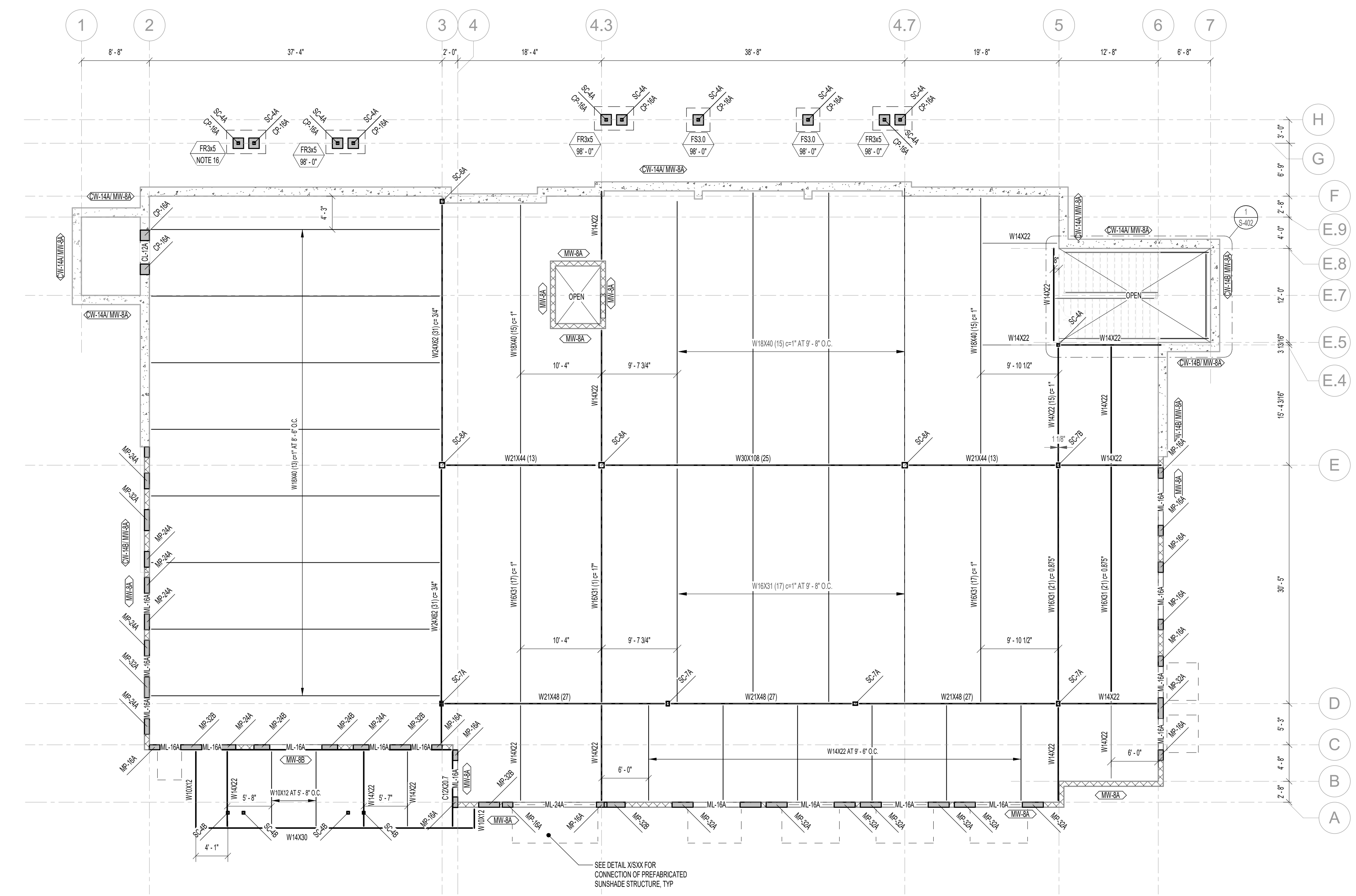


1 BASEMENT FOOTING AND FOUNDATION PLAN
 1/8" = 1'-0"
 0" 4'-0" 8'-0" 16'-0"
 [2-S-102]

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D
C
B
A



1 FIRST FLOOR FRAMING PLAN
 1/8" = 1'-0"
 0" 4'-0" 8'-0" 16'-0"
 (S-402)

FLOOR FRAMING PLAN NOTES

1. VERIFY ALL FLOOR OPENINGS FOR MECHANICAL SHAFTS, STAIRS, ETC. WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. ALL JOISTS SHALL HAVE 5" DEEP BEARING ENDS (UNO).
3. ALL JOIST GRIDDERS SHALL HAVE 7 1/2" DEEP BEARING ENDS (UNO).
4. SEE DETAILS 1S-511 AND 2S-511 FOR FRAMING AROUND ALL OPENINGS.
5. SEE DETAIL 1S-512 FOR STEEL BRACE DETAIL, CONNECTIONS AND LOCATIONS.
6. OPEN WEB STEEL JOIST AND JOIST GRIDDERS SHALL BE DESIGNED BY THE MANUFACTURER TO SUPPORT THE MECHANICAL AND LATERAL LOADS SHOWN ON THE FLOOR FRAMING PLANS IN ADDITION TO THE UNIFORM AND POINT LOADS SHOWN.
7. COORDINATE SIZE AND LOCATION OF ALL MECHANICAL OPENINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
8. WHERE DIAGONAL BRIDGING CONFLICTS WITH MECHANICAL DUCTS, REMOVE DIAGONAL BRIDGING AND REPLACE WITH HORIZONTAL BRIDGING AFTER ROOF DECK IS IN PLACE.
9. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS TO ALL STEEL COLUMNS.

FOOTING AND FOUNDATION PLAN NOTES

1. COORDINATE LOCATION OF DEPRESSED SLABS, SLOPED SLABS, AND FLOOR DRAINS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. SEE ARCHITECTURAL AND CIVIL DRAWINGS FOR EXTERIOR CONCRETE WORK AT DOORS, SIDEWALKS, ETC.
3. SEE ARCHITECTURAL DRAWINGS FOR CONTROL JOINT LOCATIONS.
4. SEE "EARTHWORK" NOTES ON SHEET S-501 AND DETAIL 3S-502 FOR MINIMUM FILL REQUIRED BENEATH FOOTINGS.
5. ALL SPOT FOOTINGS SHALL BE CENTERED UNDER COLUMNS (UNO).
6. SEE DETAILS 1S-501 AND 2S-501 FOR CONDITION WHERE BURIED PIPES RUN PARALLEL AND PERPENDICULAR TO FOOTINGS.
7. SEE DETAIL 8S-501 FOR TYPICAL CONTROL CONSTRUCTION JOINTS IN CONCRETE SLAB ON GRADE.
8. SEE DETAIL 7S-501 FOR SLAB REINFORCING WHERE CONTROL JOINTS ARE DISCONTINUOUS.
9. SEE DETAIL 12S-501 FOR ADDITIONAL REINFORCING AT MISCELLANEOUS OPENINGS IN MASONRY WALLS.
10. SEE DETAIL 12S-501 FOR ADDITIONAL REINFORCING AT MISCELLANEOUS OPENINGS IN CONCRETE WALLS.
11. SEE DETAIL 8S501 FOR CONDITION AT RECESSES IN MASONRY WALLS.
12. SEE DETAIL 8S-501 FOR TYPICAL CONTROL JOINTS IN MASONRY WALLS.
13. SEE DETAIL 13S-501 FOR TERMINATION OF HORIZONTAL REINFORCING IN MASONRY WALLS.
14. SEE DETAIL 8S-502 FOR ANCHORAGE OF HOUSEKEEPING PADS.
15. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS TO ALL STEEL COLUMNS.
16. FIELD VERIFY ALL OF FOOTING ELEVATIONS WITH FINISHING GRADES. ALL EXTERIOR FOOTINGS TO HAVE MINIMUM FROST COVER PER THE GENERAL STRUCTURAL NOTES.

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 SALT LAKE CITY, UT 84103
 255 SOUTH 300 WEST
 795 NORTH 400 WEST

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FIRST FLOOR FLOOR FRAMING PLAN

S-102

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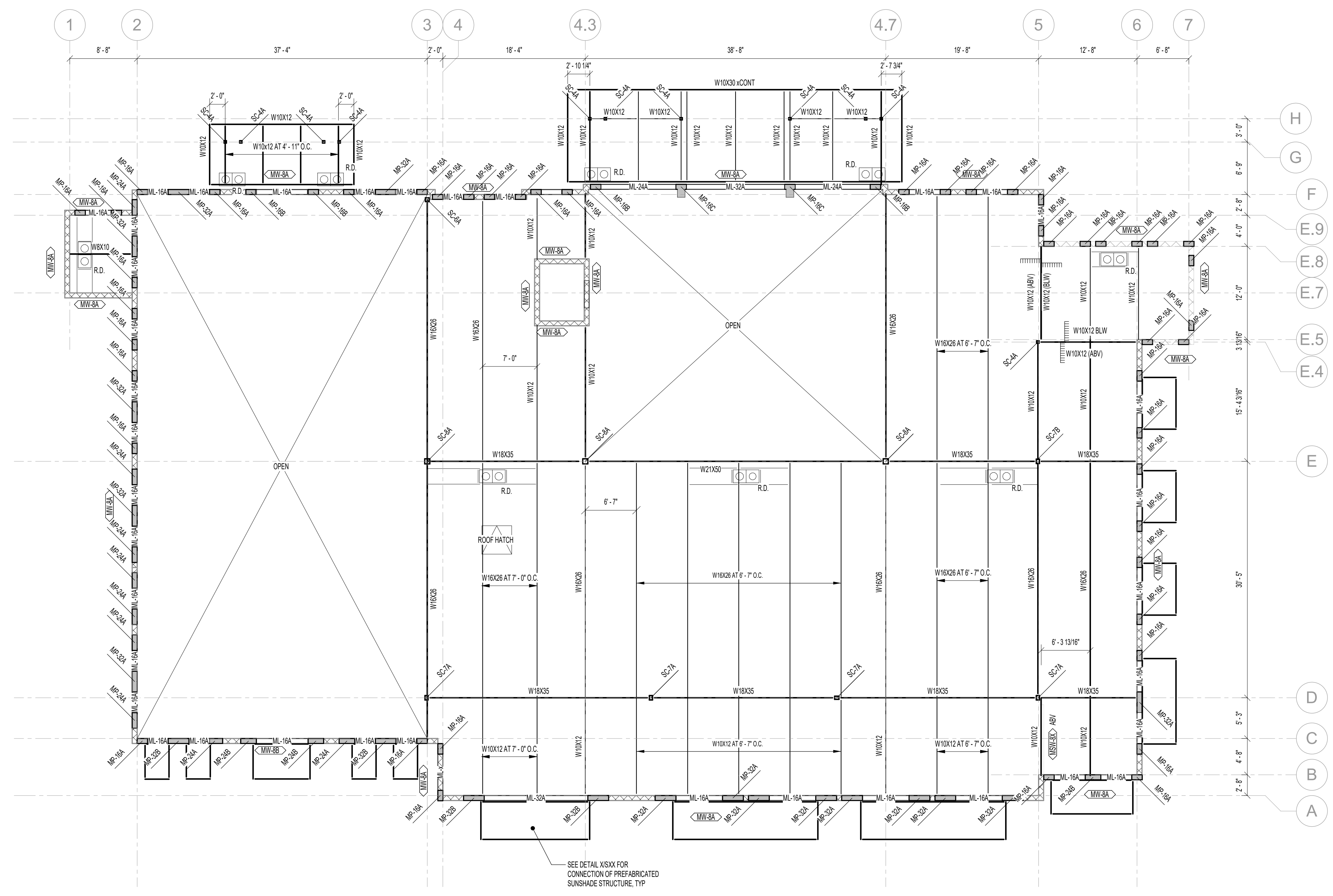
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ROOF FRAMING PLAN

S-121

ROOF FRAMING PLAN NOTES

1. VERIFY ALL ROOF OPENINGS FOR MECHANICAL SHAFTS, DRAINS, ETC. WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. ALL JOISTS SHALL HAVE 8" DEEP BEARING ENDS (UNO).
3. ALL JOIST ORDERS SHALL HAVE 7.12" DEEP BEARING ENDS (UNO).
4. ALL ROOF OPENINGS GREATER THAN, OR EQUAL TO, 12" x 12" SHALL BE FRAMED AS INDICATED IN DETAIL S4S-522 AND S-522. FOR OPENINGS WHICH CUT LESS THAN TWO DECK FLUTES, SEE DETAIL S-522.
5. SEE DETAIL 1S-512 FOR STEEL BRACE DETAIL CONNECTIONS AND LOCATIONS.
6. SEE DETAIL 7S-522 WHEN MECHANICAL UNITS ARE HUNG BELOW BEAM.
7. VERIFY SIZE, WEIGHT, AND LOCATION OF ALL ROOF TOP MECHANICAL UNITS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. SEE DETAIL S-522 FOR STEEL FRAMES AT ALL ROOF TOP EQUIPMENT. COORDINATE OPENINGS WITH MECHANICAL, ELECTRICAL, AND GENERAL CONTRACTORS.
8. JOIST SUPPLIER SHALL DESIGN ALL ROOF JOIST BEARING ENDS AT WALLS TO TRANSFER () lbs (ALLOWABLE) AXIAL LOAD THROUGH JOIST BEARING ENDS.
9. SEE ARCHITECTURAL PLANS FOR DIMENSIONS TO ALL STEEL COLUMNS.



1 ROOF FRAMING PLAN
 1/8" = 1'-0"
 0" 4'-0" 8'-0" 16'-0"
 (2/8-402)

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ROOF FRAMING PLAN NOTES

1. VERIFY ALL ROOF OPENINGS FOR MECHANICAL SHAFTS, DRAINS, ETC. WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. ALL JOISTS SHALL HAVE 9" DEEP BEARING ENDS (UNO).
3. ALL JOIST GIRDERS SHALL HAVE 7.12" DEEP BEARING ENDS (UNO).
4. ALL ROOF OPENINGS GREATER THAN OR EQUAL TO 12" x 12" SHALL BE FRAMED AS INDICATED IN DETAIL S4-S-522 AND S-522 FOR OPENINGS WHICH CUT LESS THAN TWO DECK FLUTES. SEE DETAIL S-522.
5. SEE DETAIL 1S-512 FOR STEEL BRACE DETAIL CONNECTIONS AND LOCATIONS.
6. SEE DETAIL 7S-522 WHEN MECHANICAL UNITS ARE HUNG BELOW BEAM.
7. VERIFY SIZE, WEIGHT, AND LOCATION OF ALL ROOF TOP MECHANICAL UNITS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. SEE DETAIL S-522 FOR STEEL FRAMES AT ALL ROOF TOP EQUIPMENT COORDINATE OPENINGS WITH MECHANICAL, ELECTRICAL, AND GENERAL CONTRACTORS.
8. JOIST SUPPLIER SHALL DESIGN ALL ROOF JOIST BEARING ENDS AT WALLS TO TRANSFER [] lbs (ALLOWABLE) AXIAL LOAD THROUGH JOIST BEARING ENDS.
9. SEE ARCHITECTURAL PLANS FOR DIMENSIONS TO ALL STEEL COLUMNS.

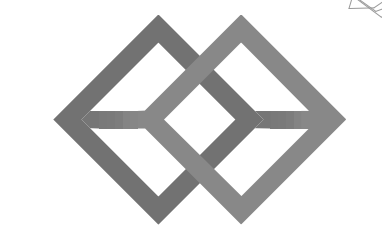
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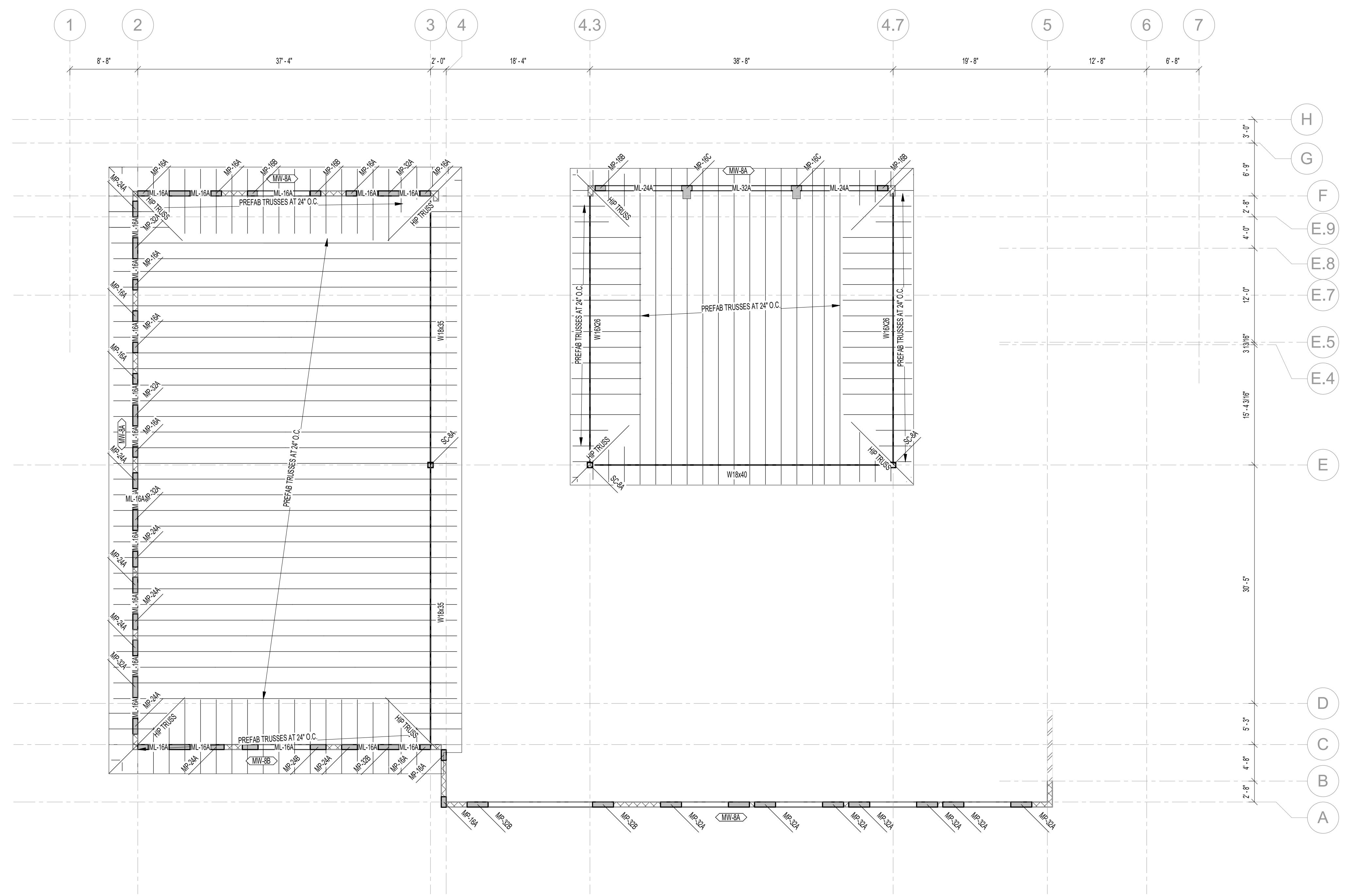
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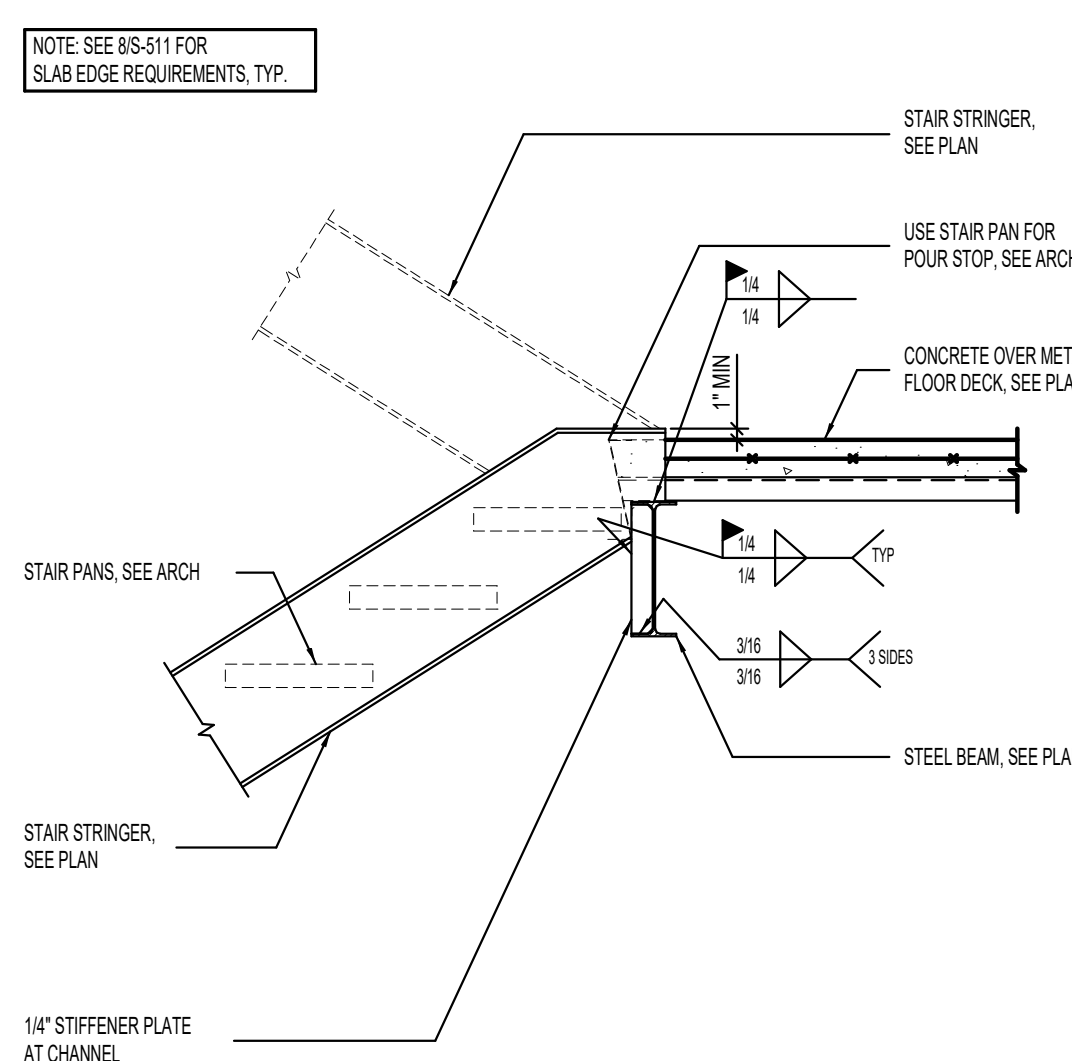
HIGH ROOF FRAMING PLAN

S-122

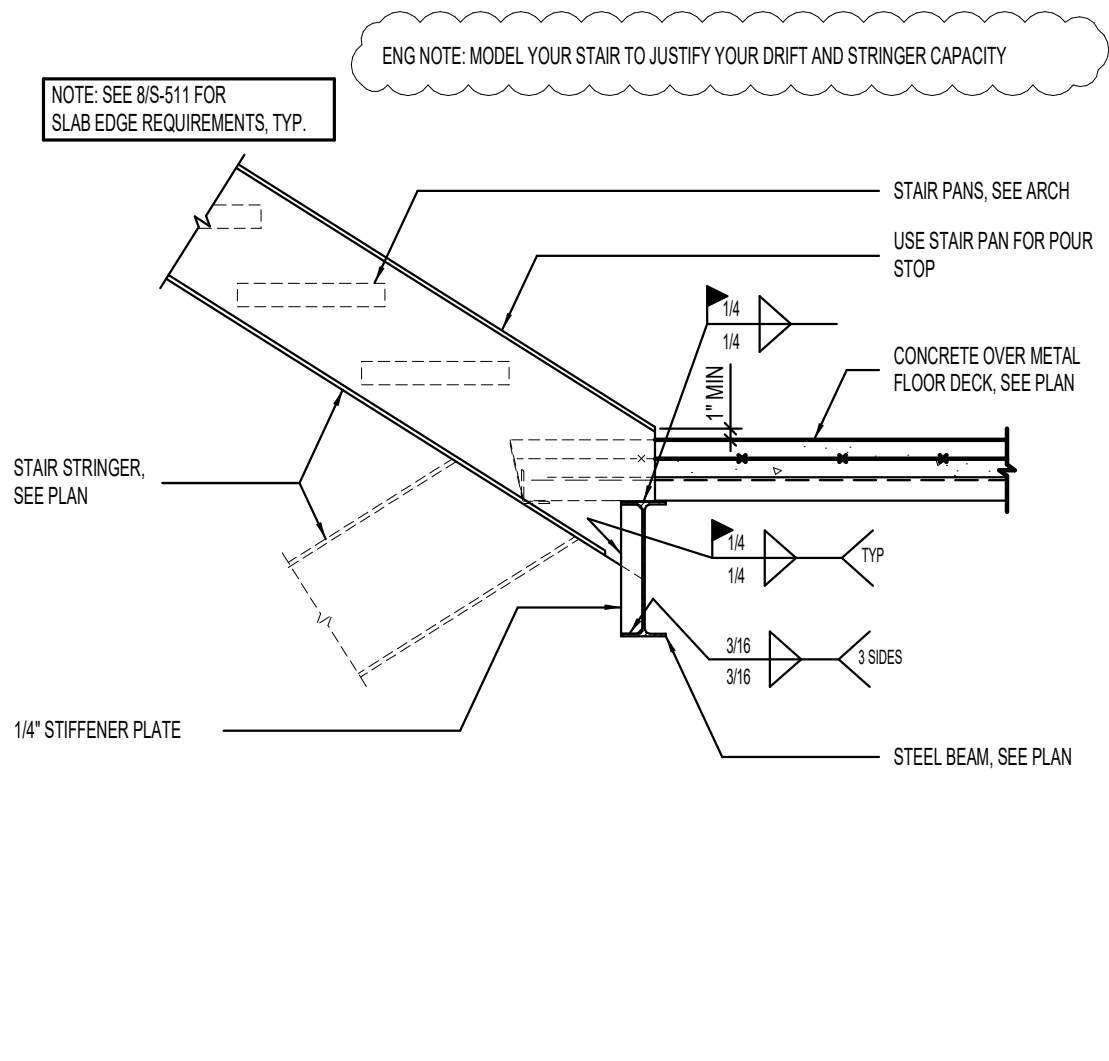


1 HIGH ROOF FRAMING PLAN
 1/8" = 1'-0"
 0' 4' 8' 16'

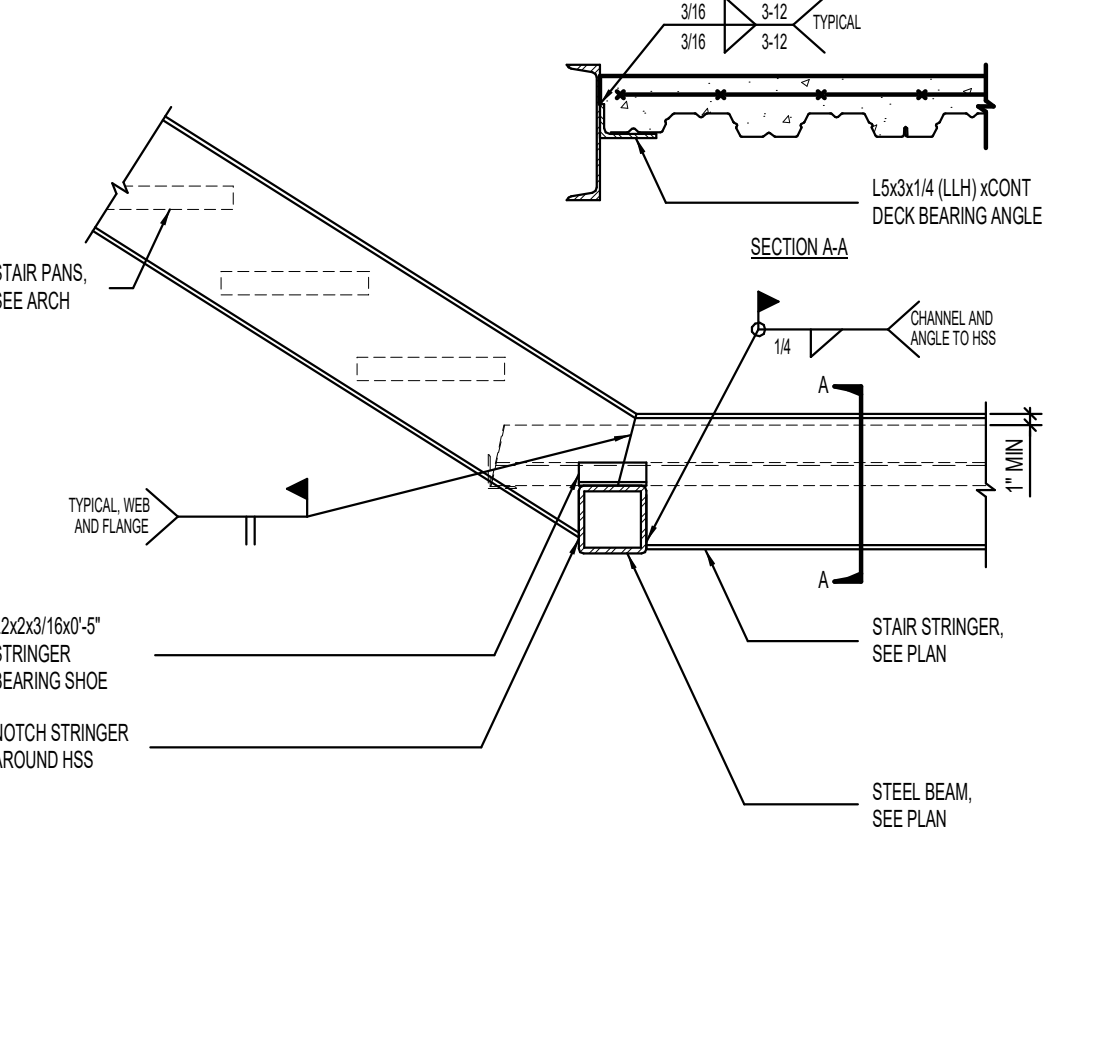
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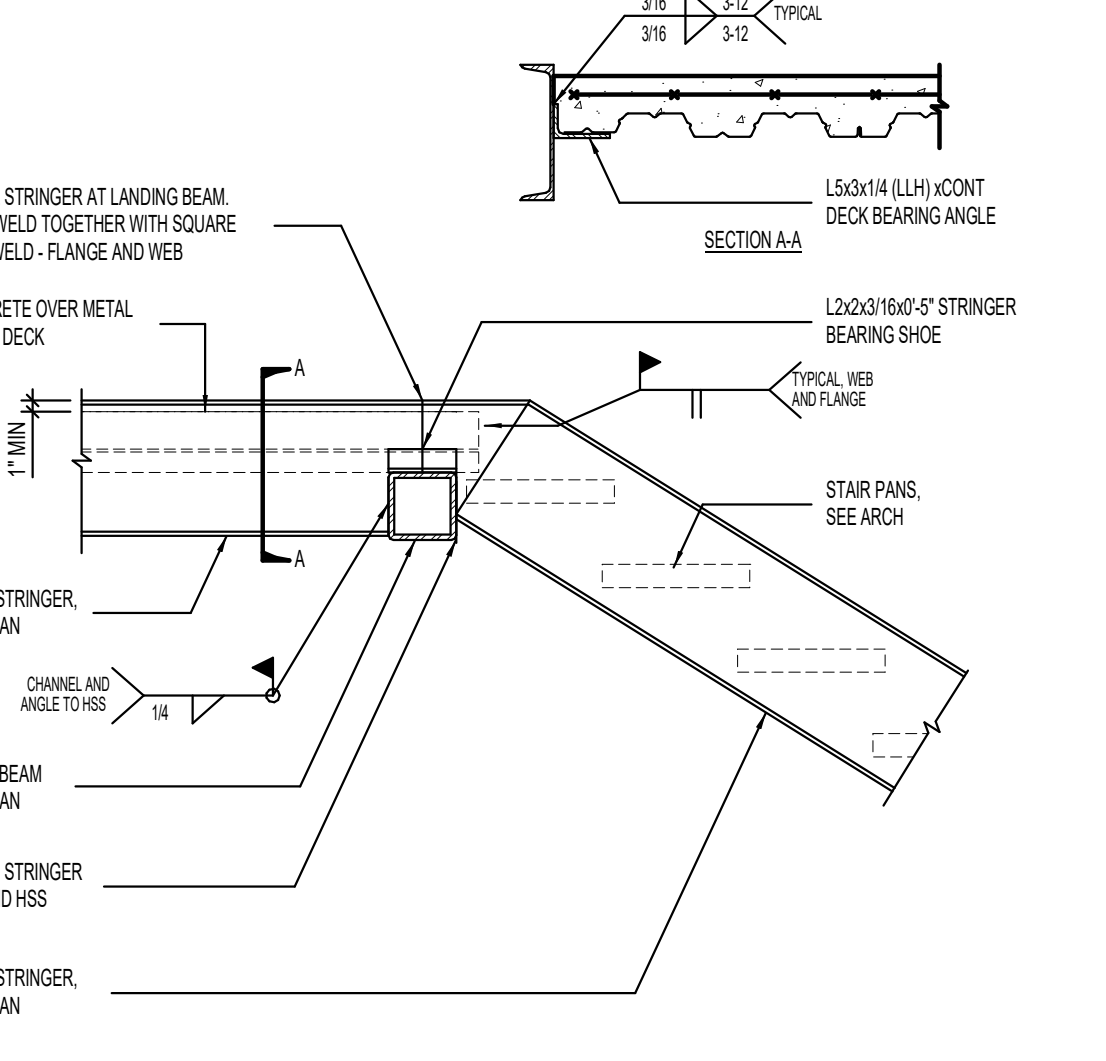
1 TYPICAL STAIR FRAMING DETAIL AT FLOOR BEAM NO SCALE



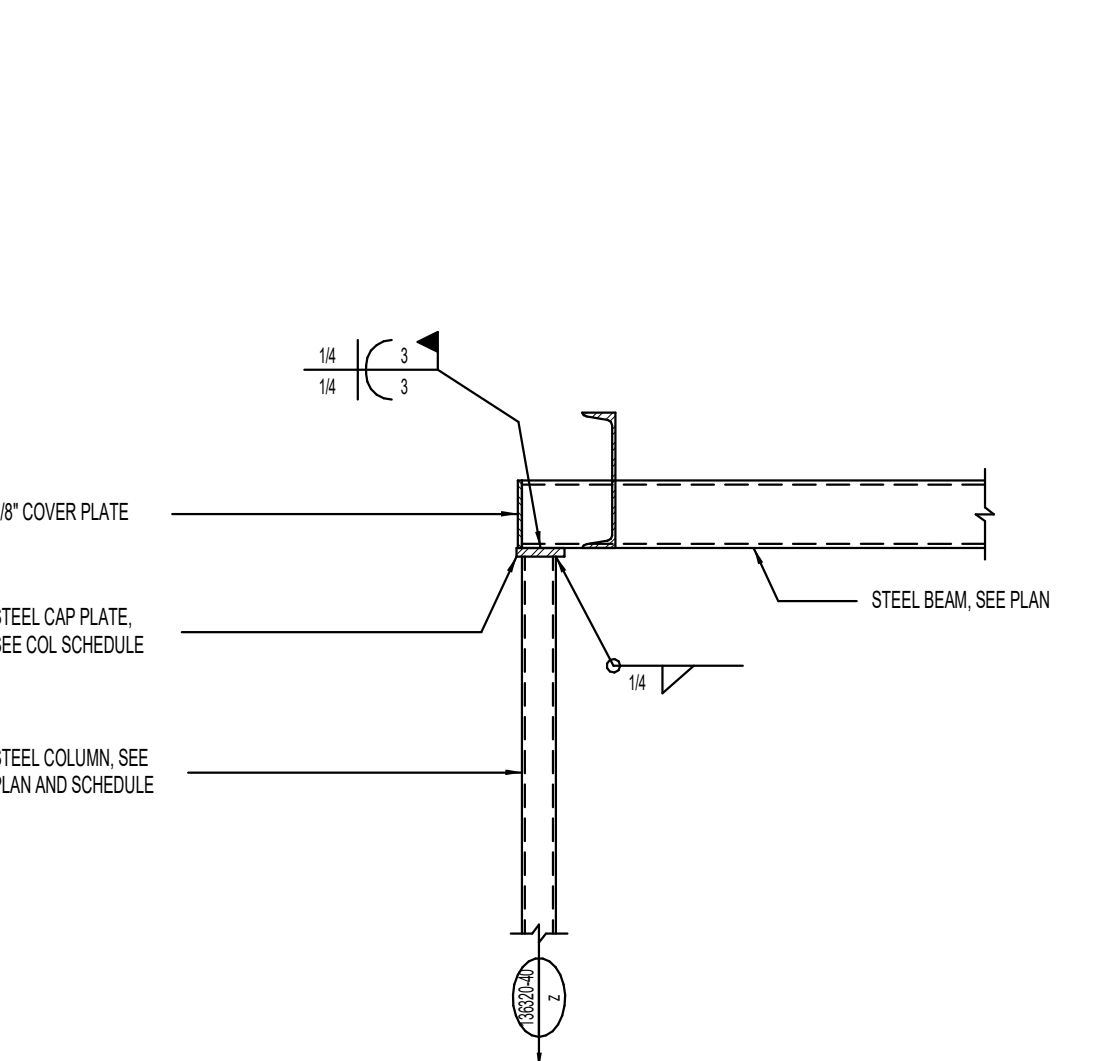
2 TYPICAL STAIR FRAMING DETAIL AT LANDING BEAM NO SCALE



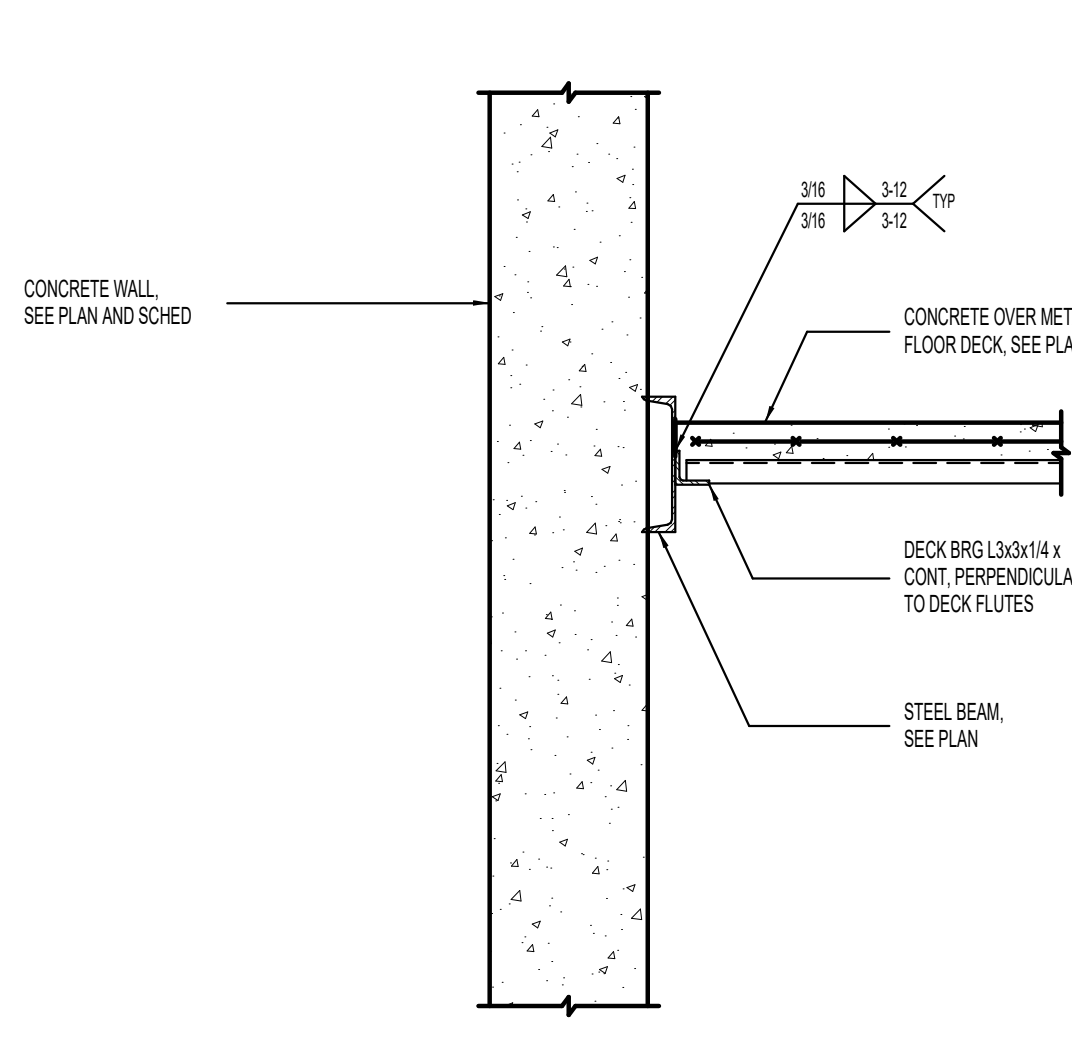
3 TYPICAL STAIR FRAMING DETAIL AT LANDING BEAM NO SCALE



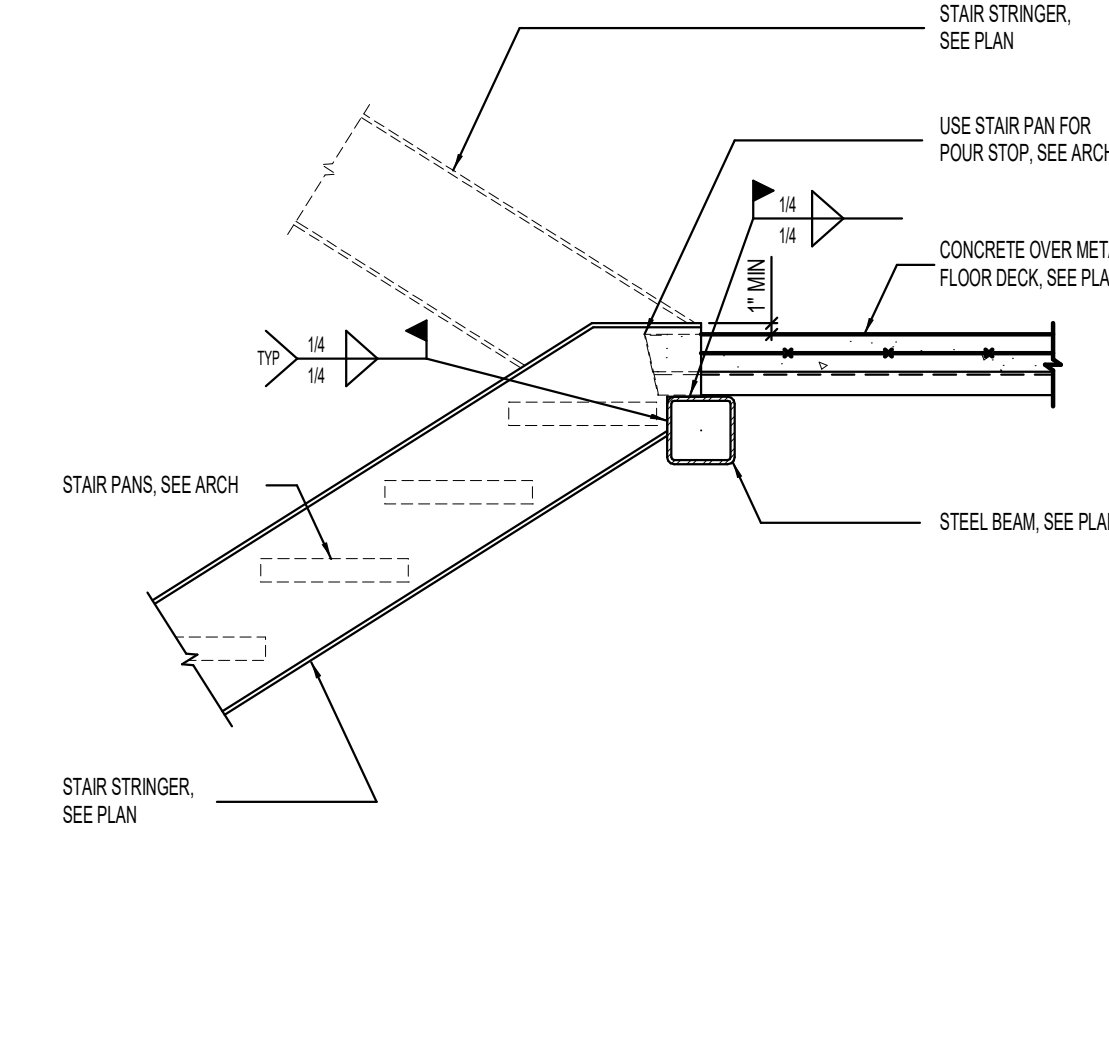
4 TYPICAL STAIR FRAMING DETAIL AT LANDING BEAM NO SCALE



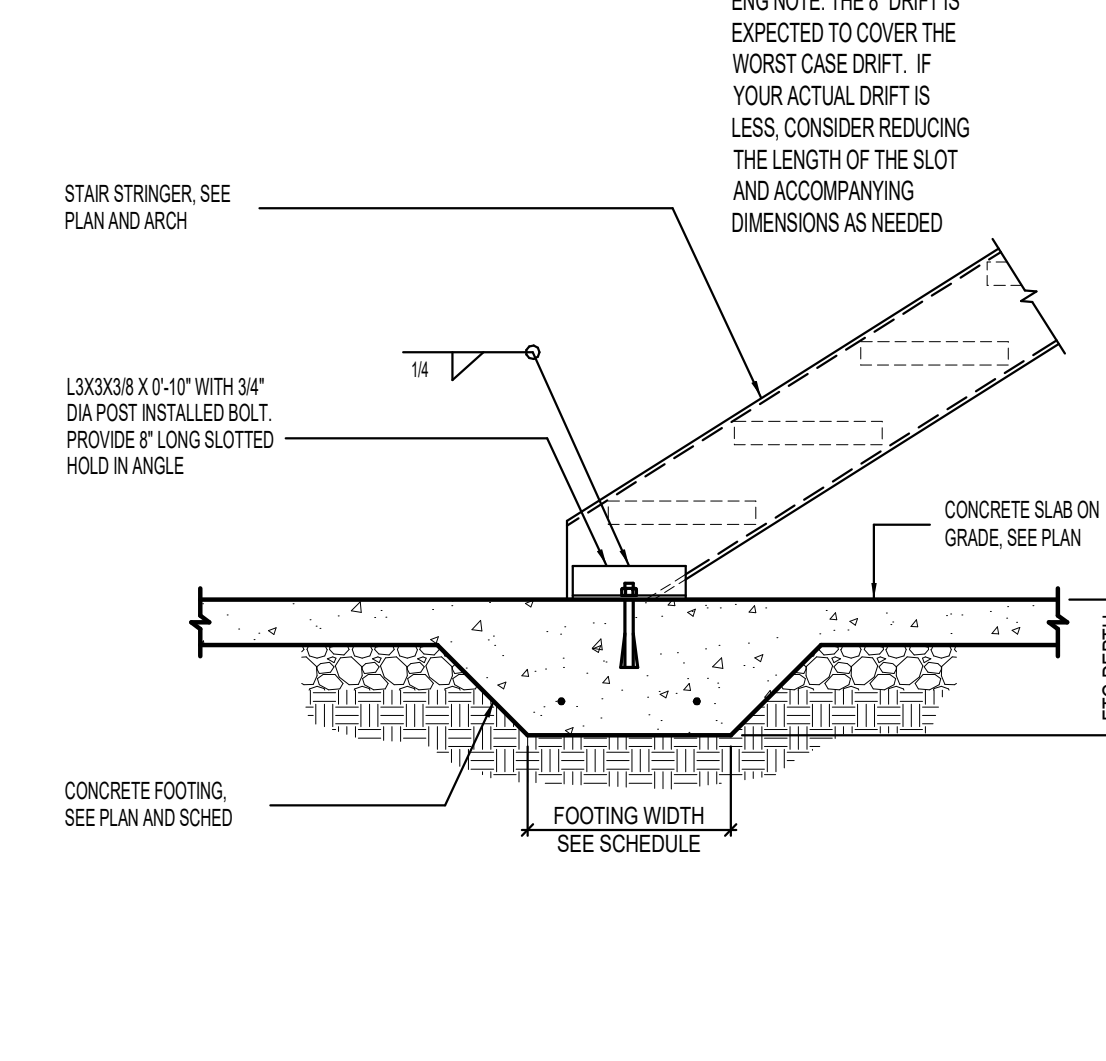
5 TYPICAL STEEL BEAM BEARING AT STEEL COLUMN NO SCALE



6 STAIR LANDING DETAIL NO SCALE



7 STAIR LANDING DETAIL NO SCALE



8 TYPICAL STAIR STRINGER BEARING DETAIL NO SCALE

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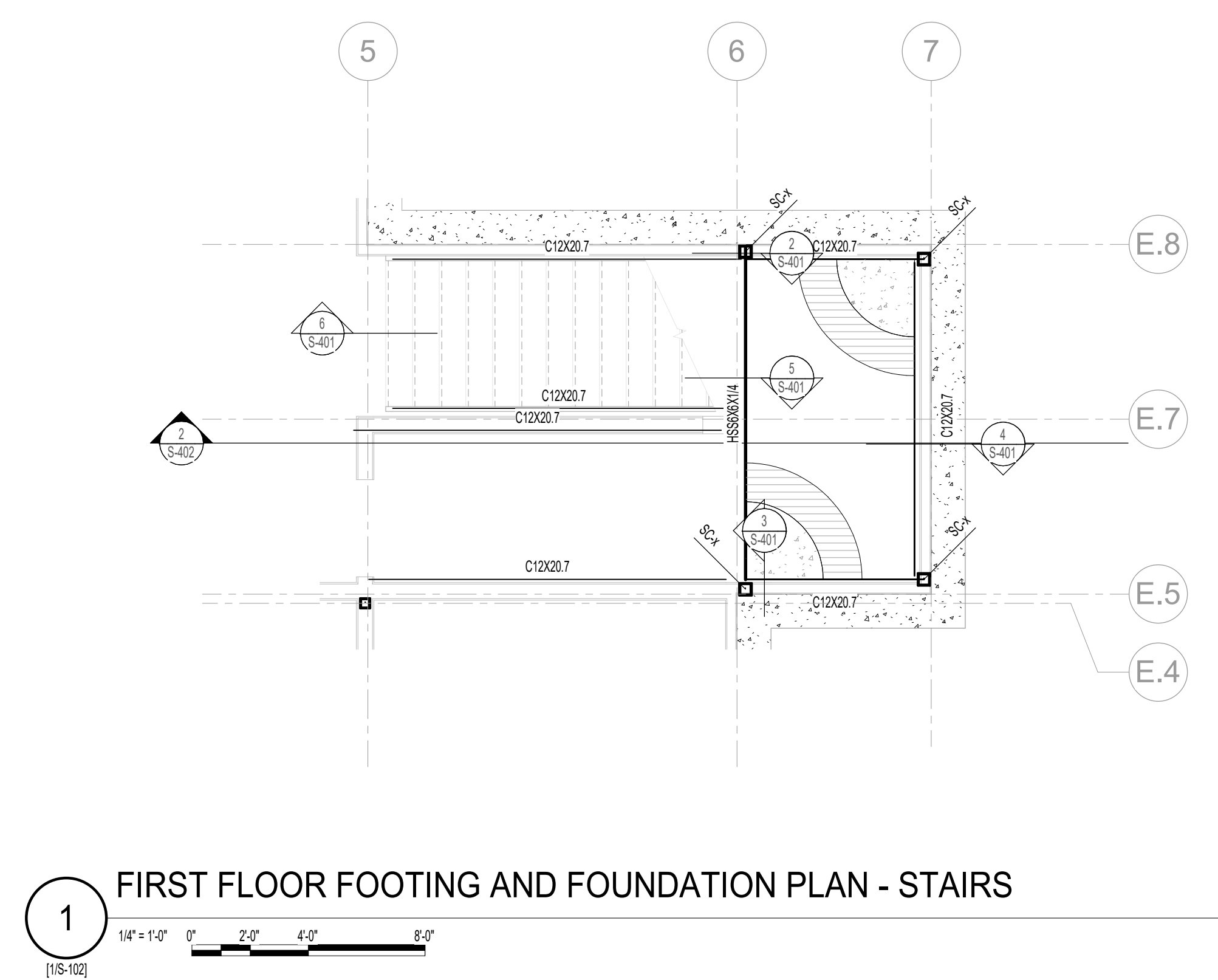
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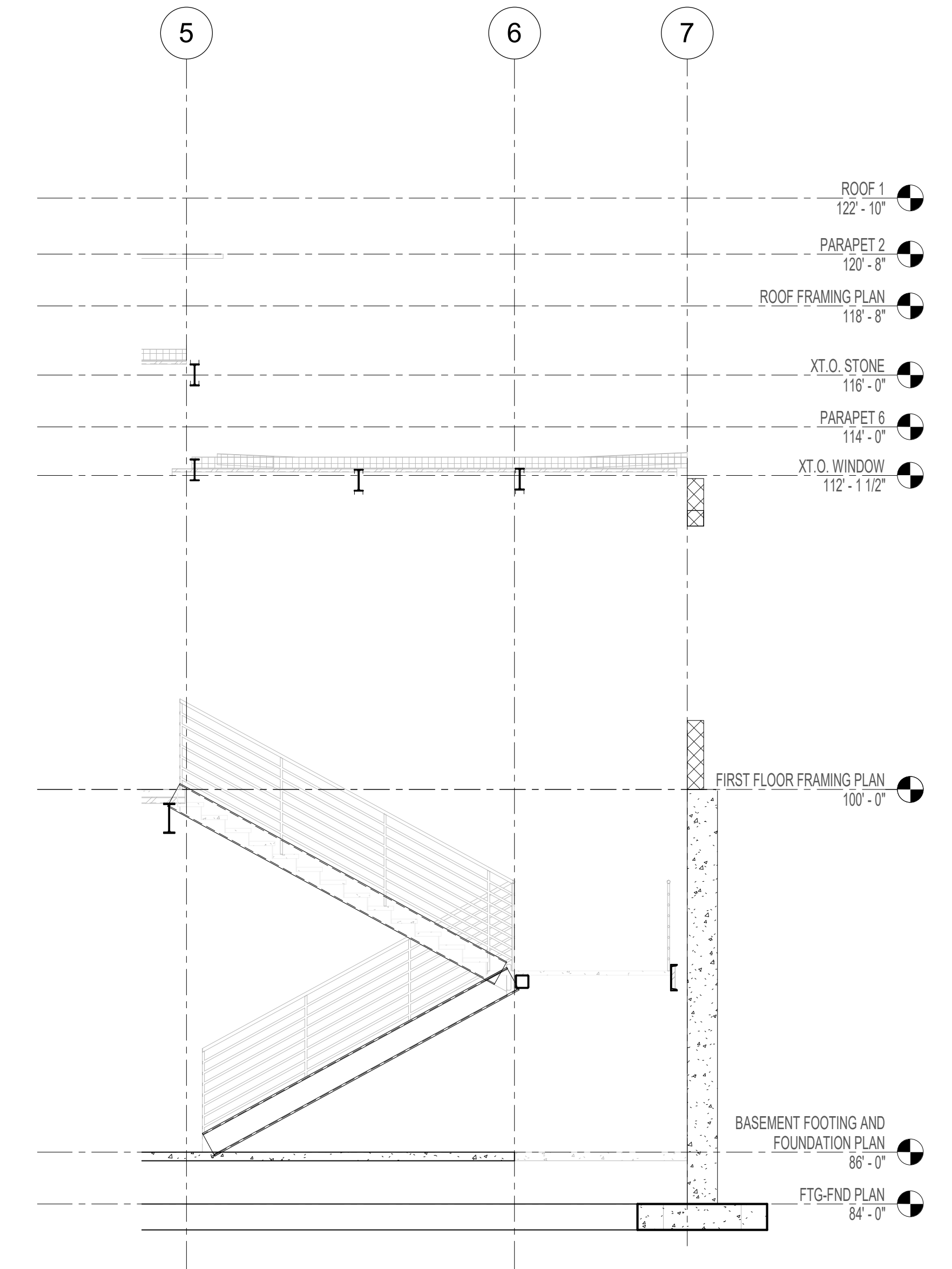


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1 FIRST FLOOR FOOTING AND FOUNDATION PLAN - STAIRS
 [1S-102] 1/4" = 1'-0" 0" 2'-0" 4'-0" 8'-0"



2 STAIR SECTION
 [1S-402] 1/4" = 1'-0" 0" 2'-0" 4'-0" 8'-0"

- ROOF 1 122' - 10"
- PARAPET 2 120' - 8"
- ROOF FRAMING PLAN 118' - 8"
- XT.O. STONE 116' - 0"
- PARAPET 6 114' - 0"
- XT.O. WINDOW 112' - 1 1/2"
- FIRST FLOOR FRAMING PLAN 100' - 0"
- BASEMENT FOOTING AND FOUNDATION PLAN 86' - 0"
- FTG-FND PLAN 84' - 0"



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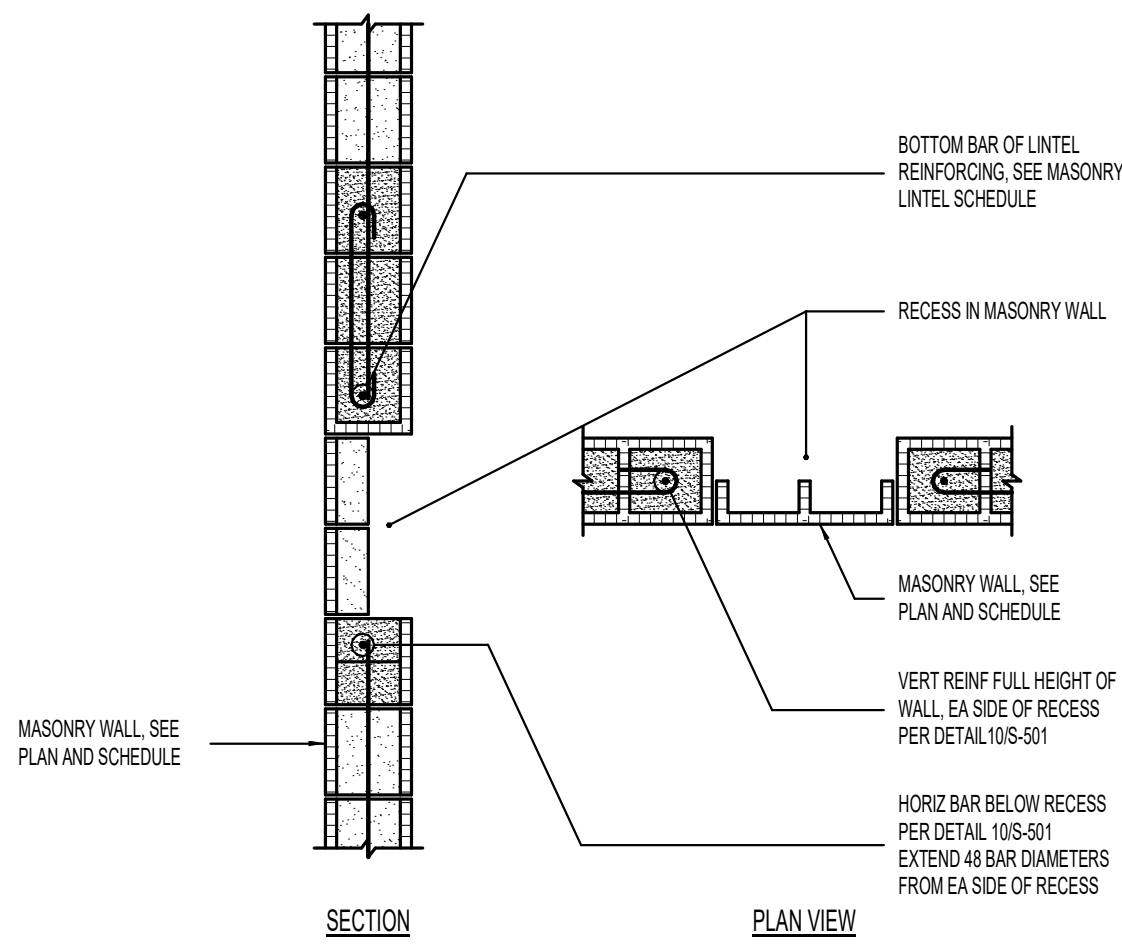
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STAIR SECTIONS
S-402

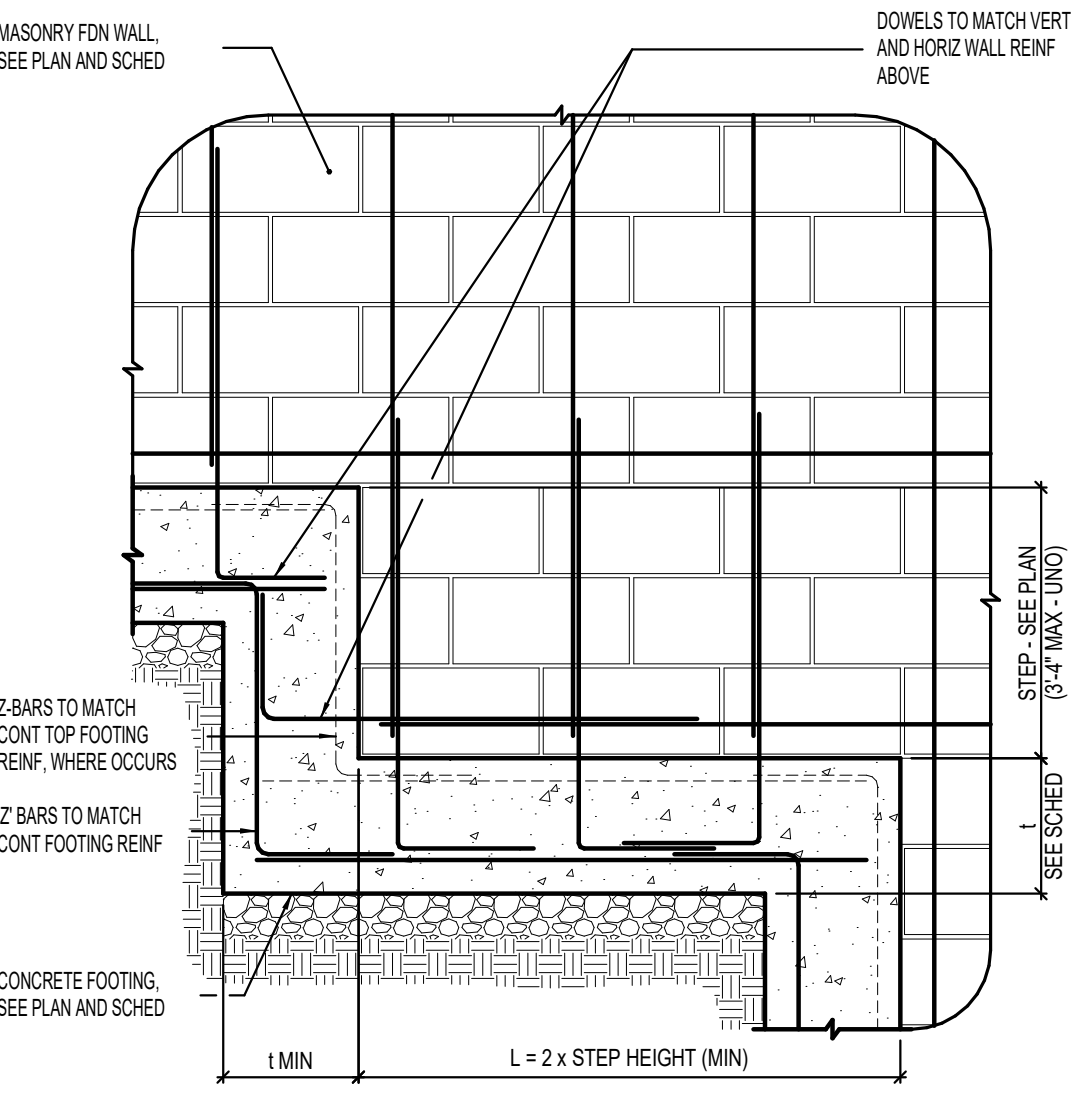
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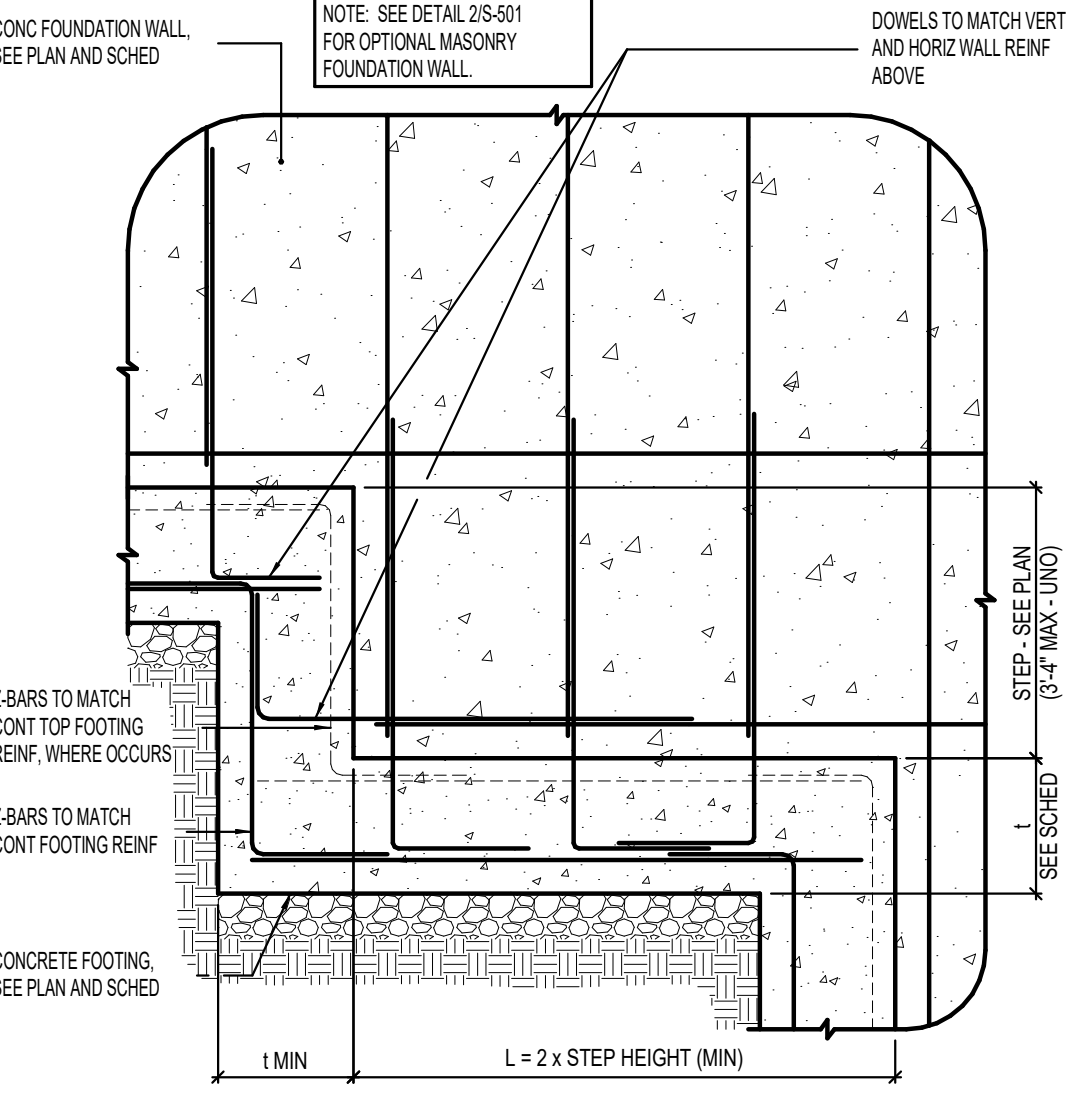
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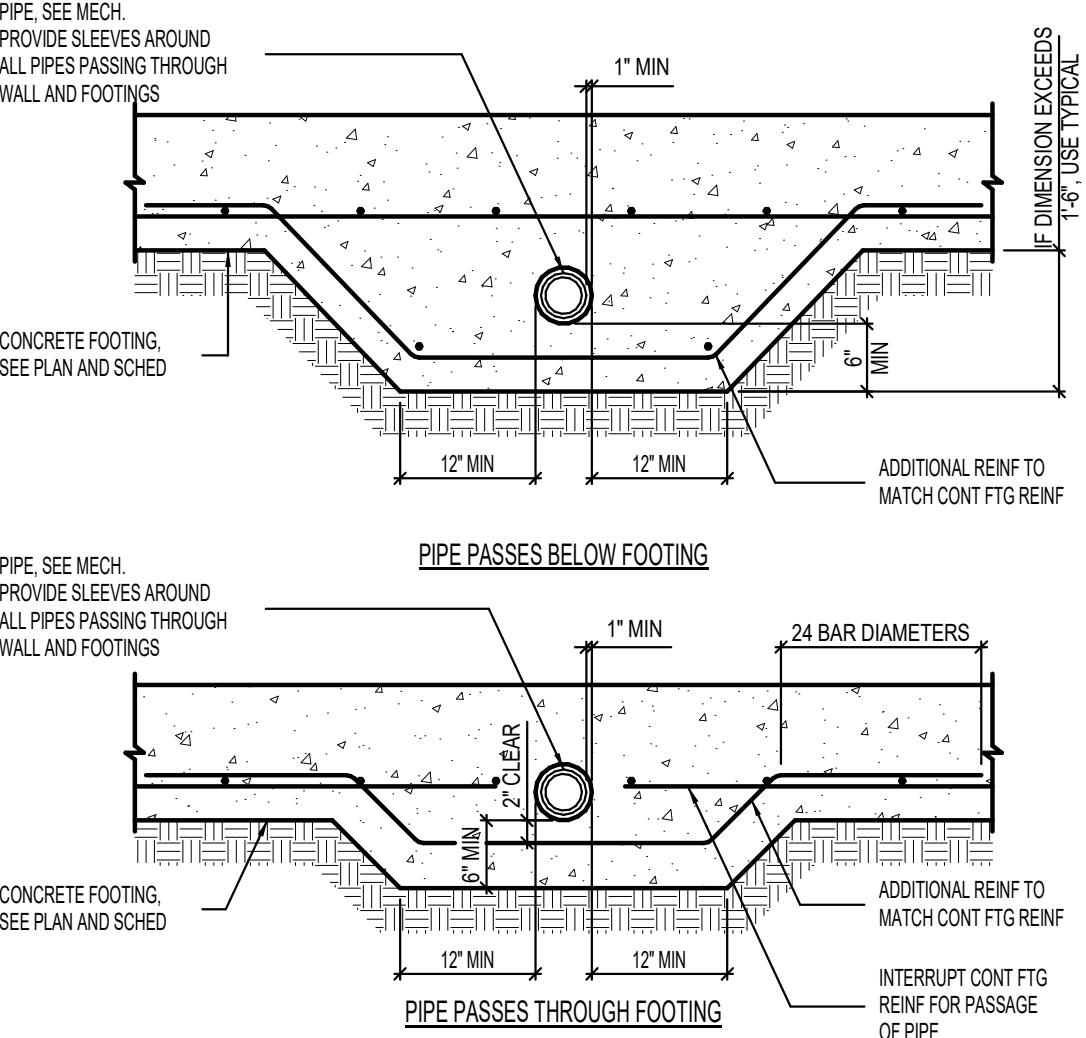
5 TYPICAL REINFORCING AT RECESS IN MASONRY WALLS NO SCALE



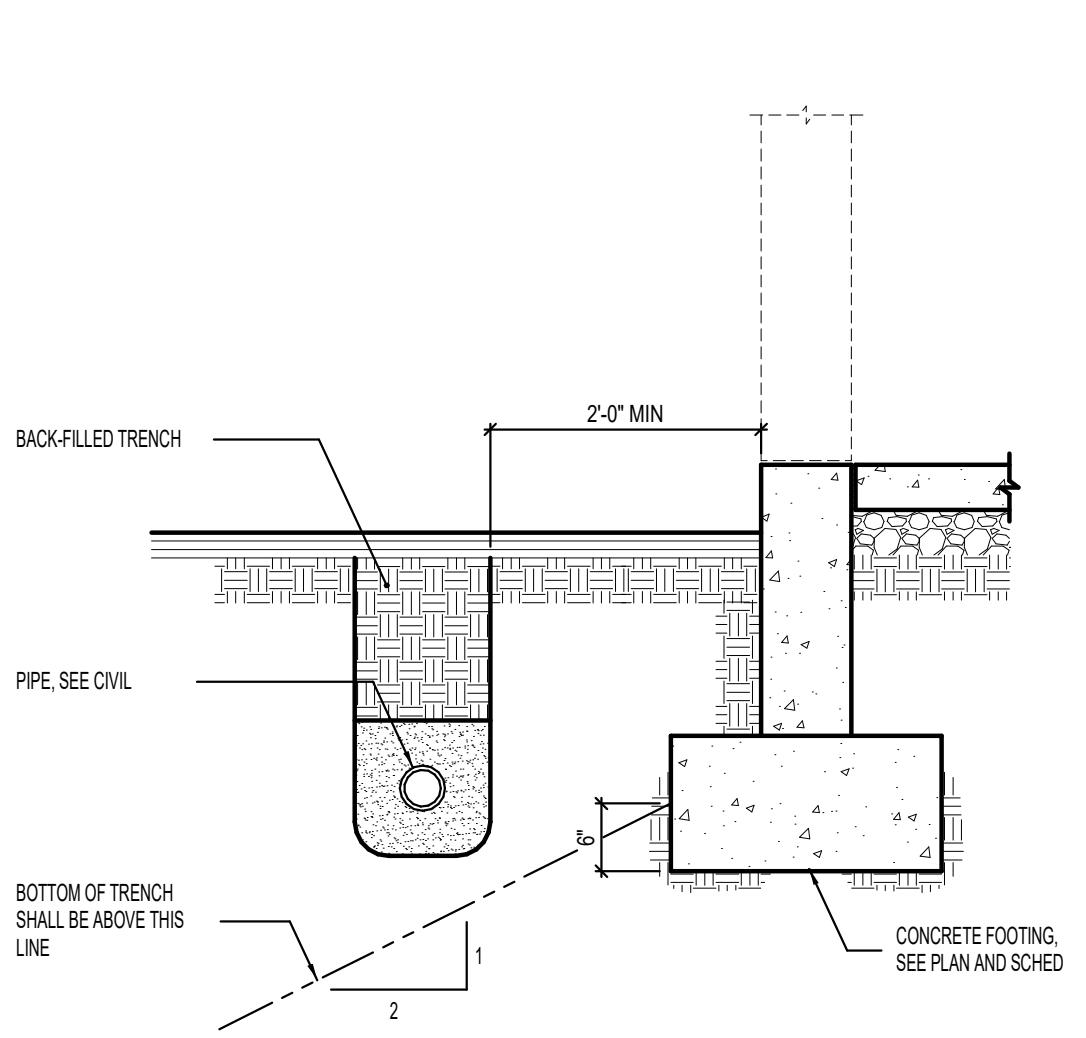
4 TYPICAL FOOTING STEP AT MASONRY FOUNDATION WALL [OPTIONAL] NO SCALE



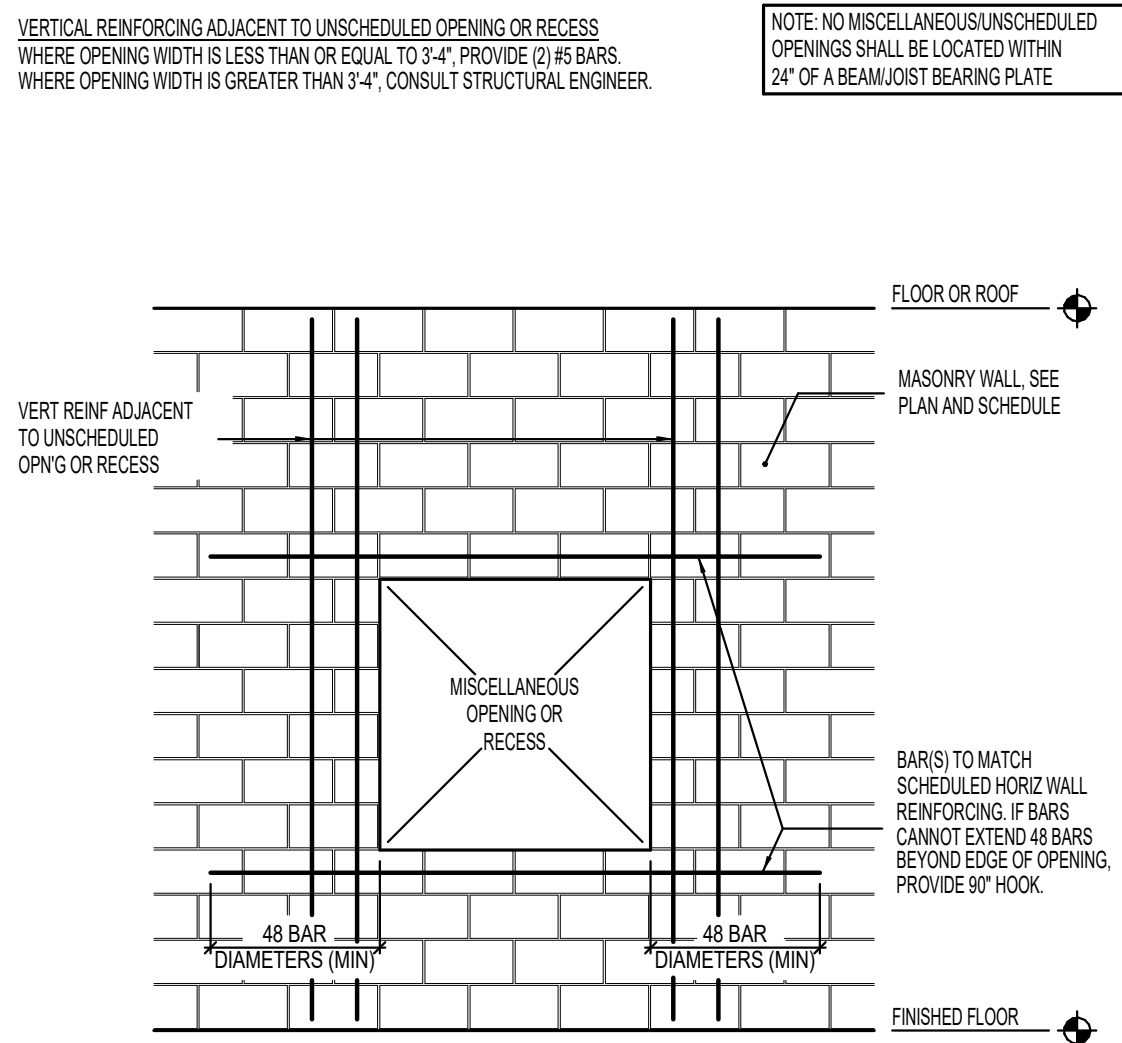
3 TYPICAL FOOTING STEP DETAIL NO SCALE



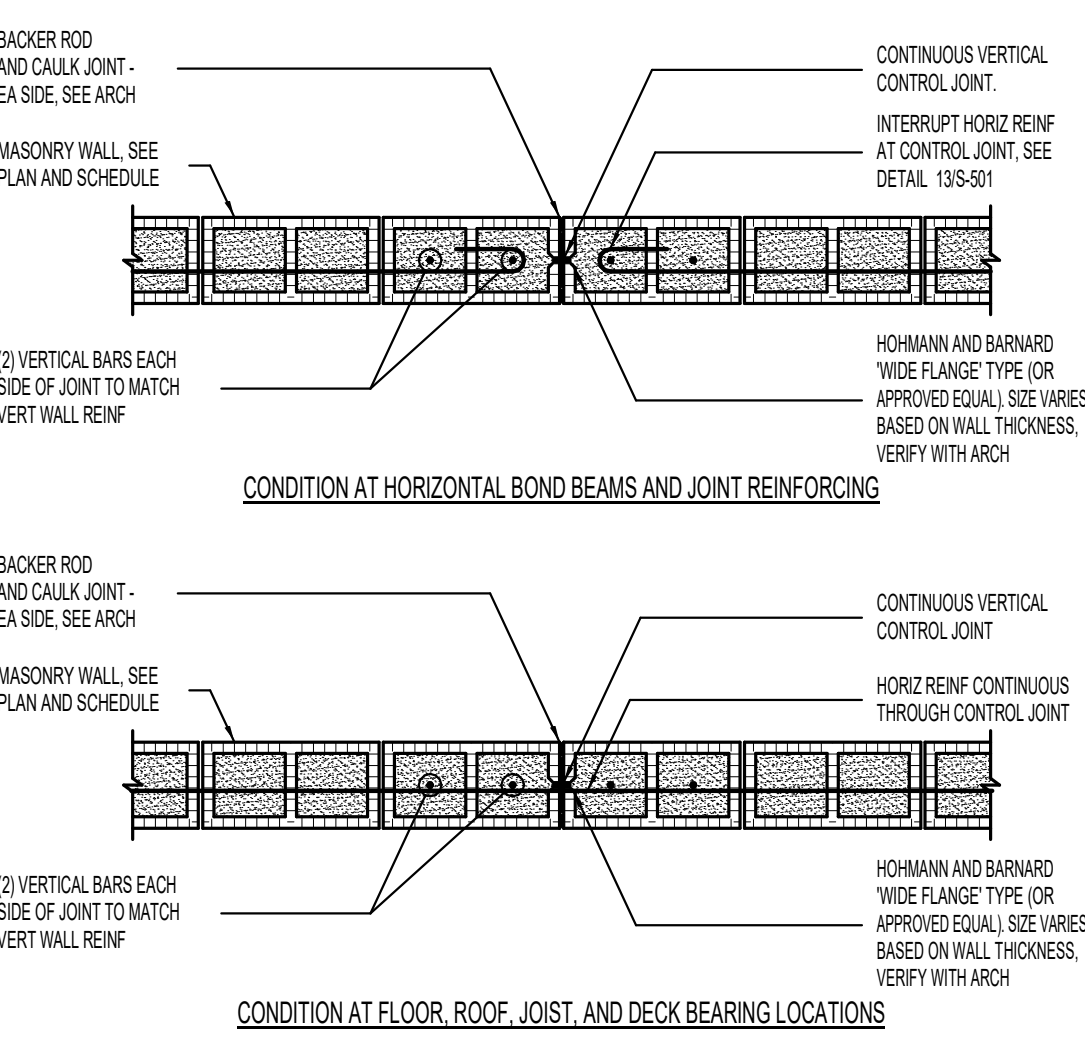
2 CONDITIONS AT PIPE PERPENDICULAR TO FOOTING NO SCALE



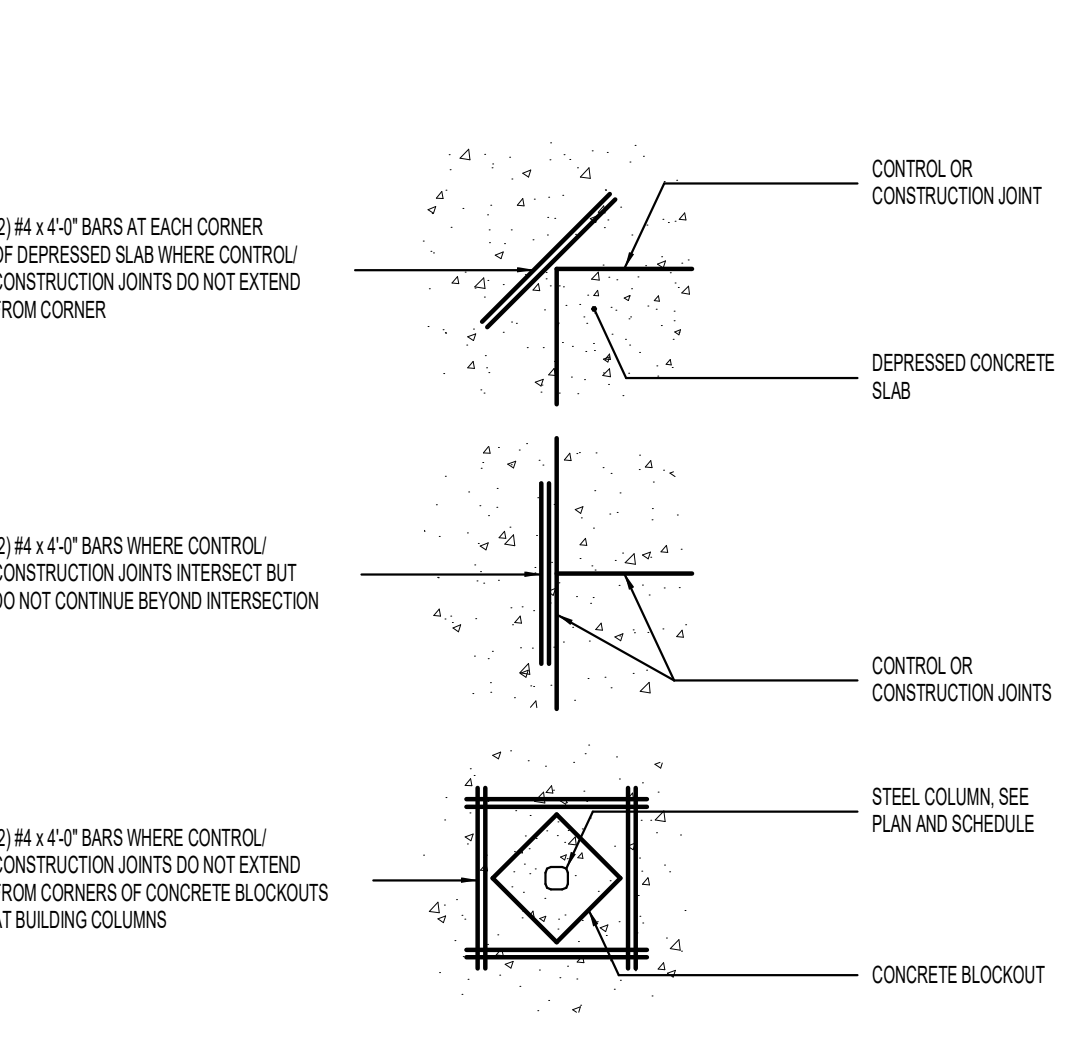
1 CONDITION AT PIPE PARALLEL TO CONCRETE FOOTING NO SCALE



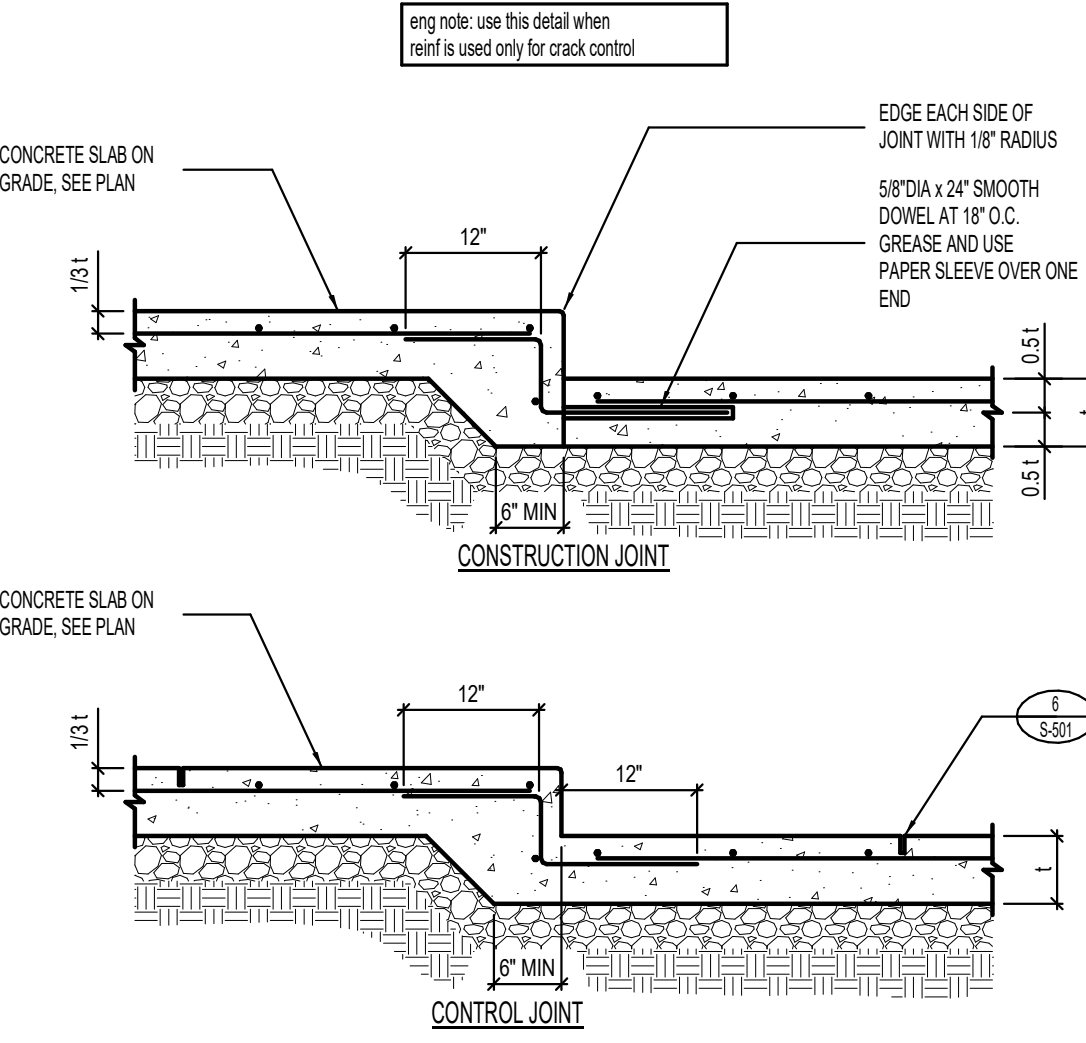
10 REINFORCING AT UNSCHEDULED MISCELLANEOUS OPENINGS OR RECESSES IN MASONRY WALLS NO SCALE



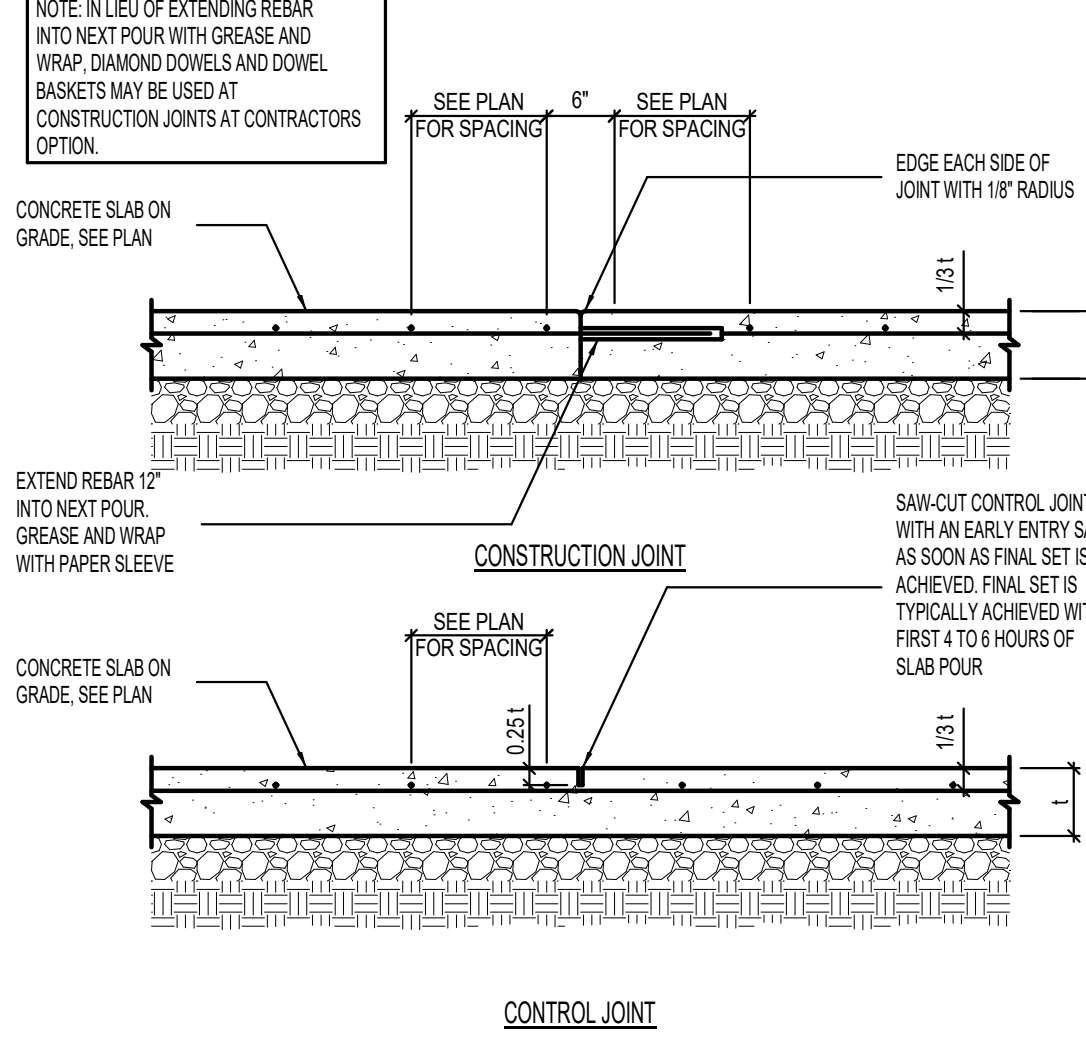
9 MASONRY CONTROL JOINT DETAIL AT MASONRY WALLS NO SCALE



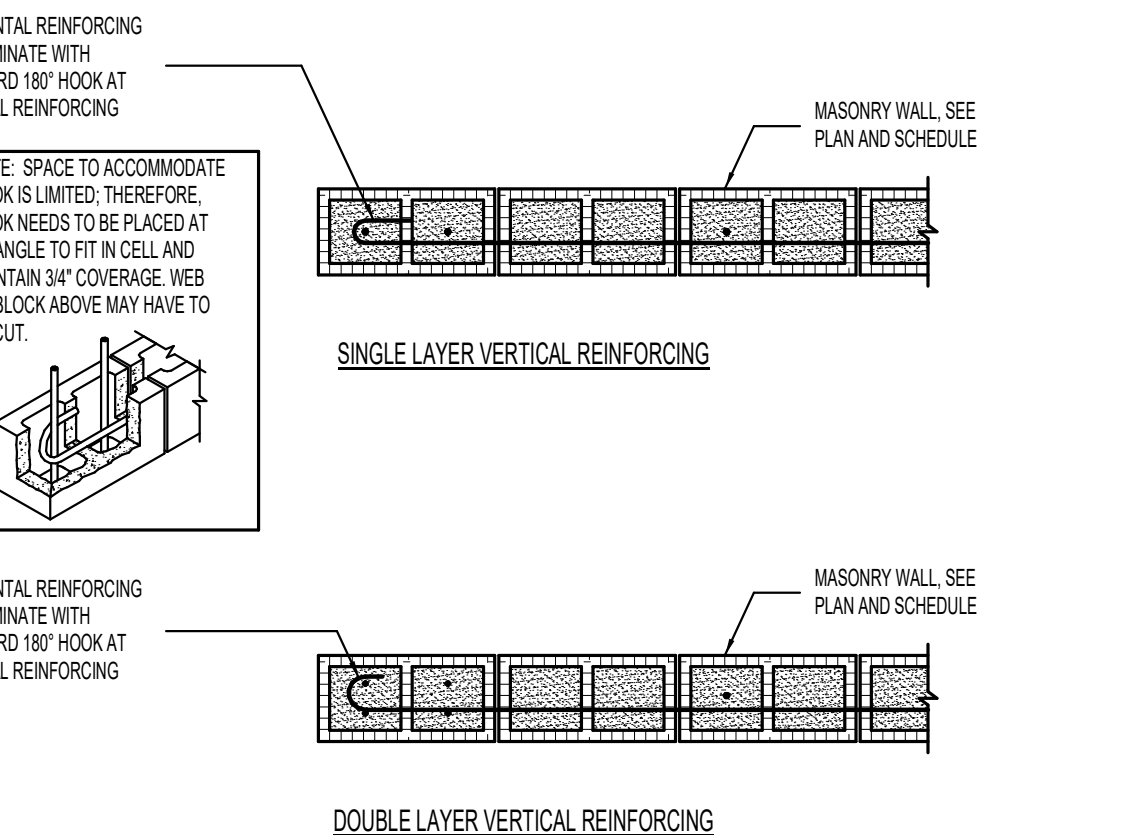
8 LOCATIONS REQUIRING ADDITIONAL SLAB REINFORCING [PLAN VIEW] NO SCALE



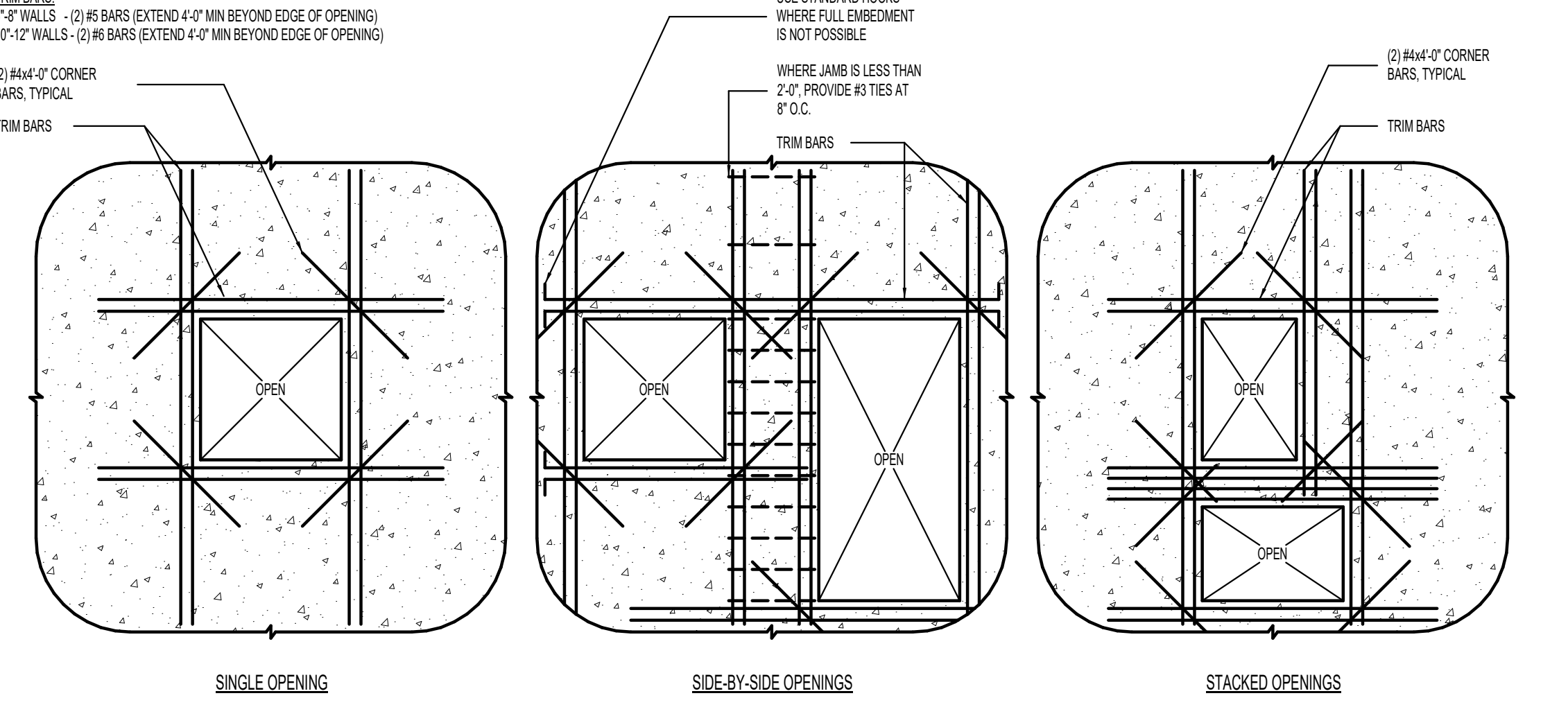
7 JOINT DETAILS AT SLAB DEPRESSIONS NO SCALE



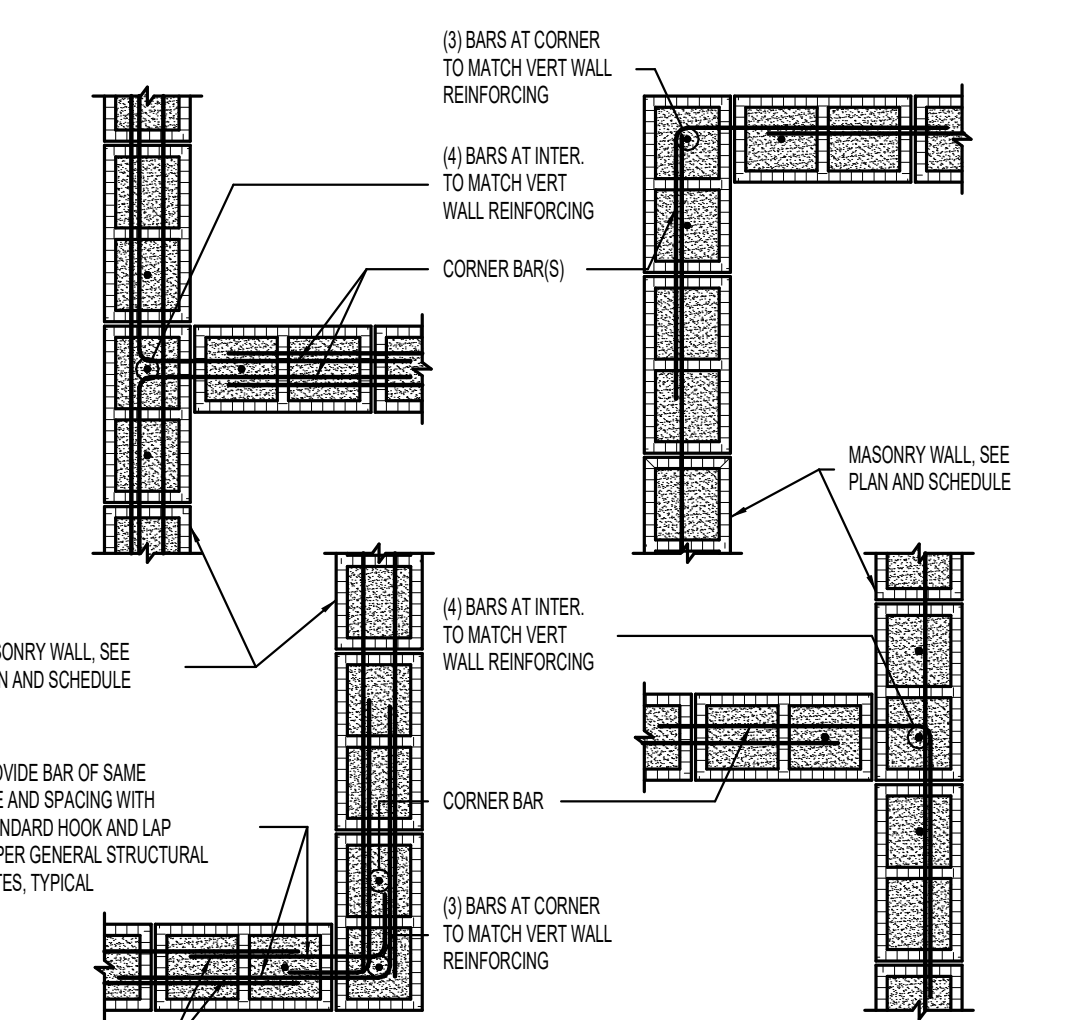
6 TYPICAL SLAB ON GRADE JOINT DETAILS NO SCALE



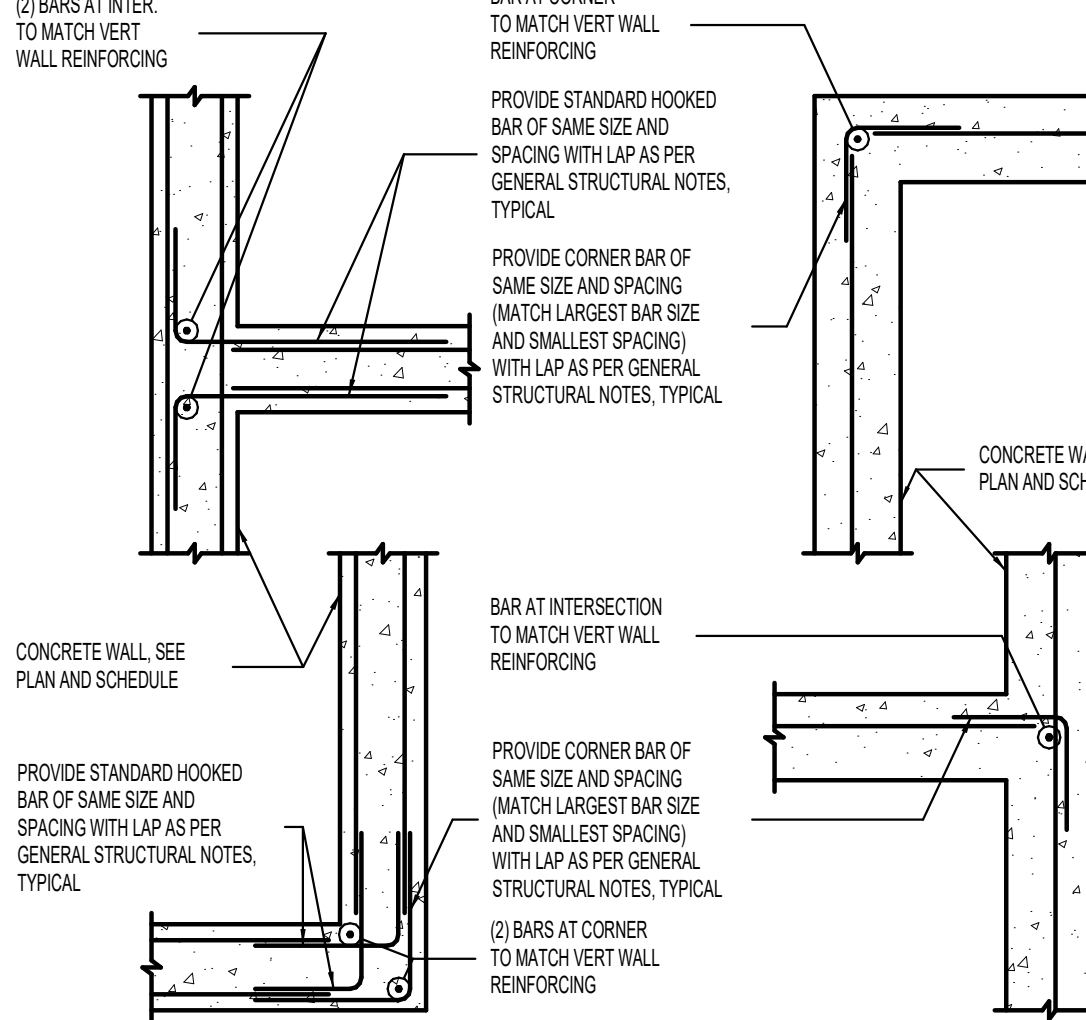
13 TERMINATION OF HORIZONTAL REINFORCING IN MASONRY WALL [PLAN VIEW] NO SCALE



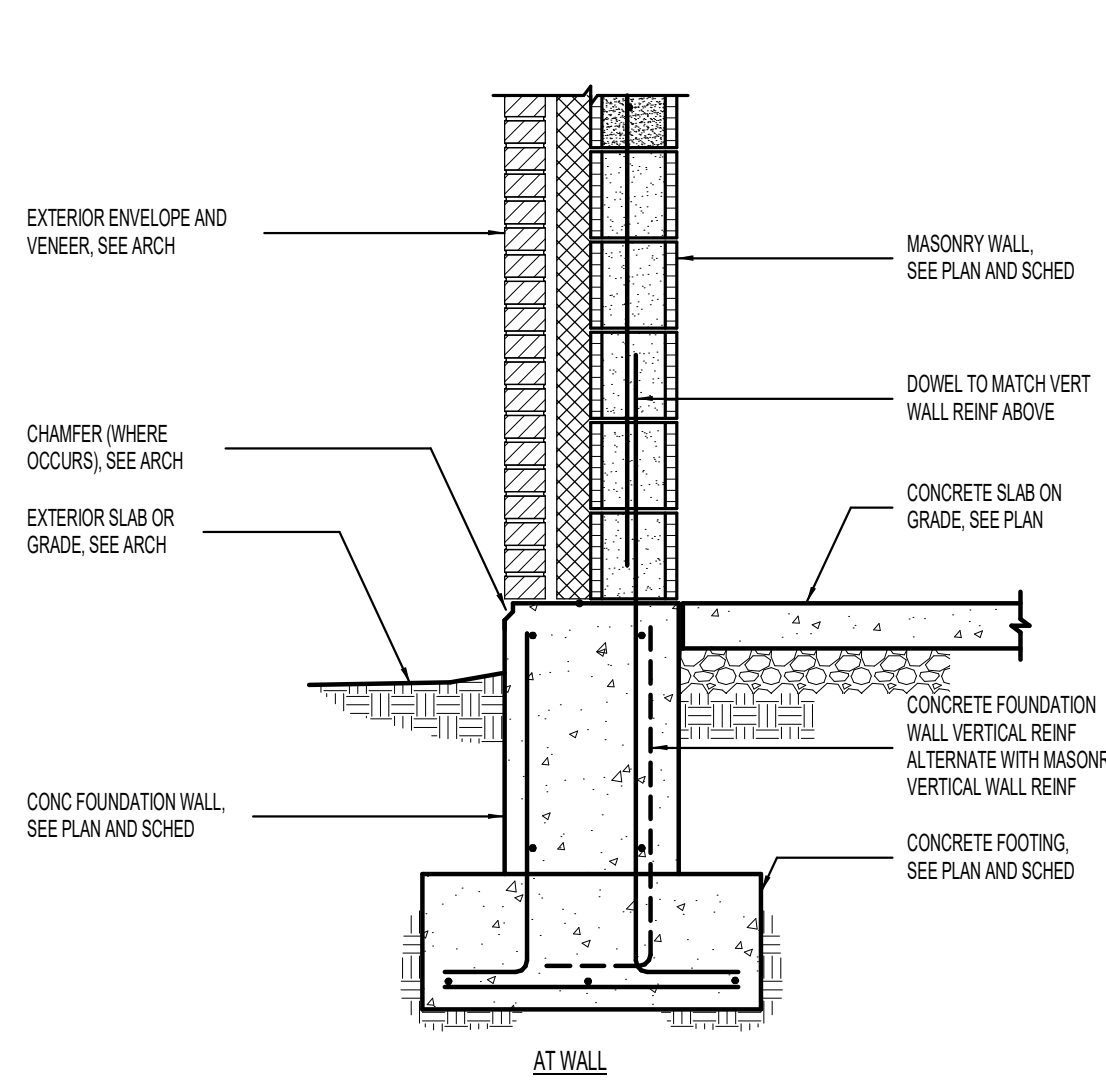
12 TYPICAL REINFORCING FOR MISCELLANEOUS OPENINGS LESS THAN 3'-0\"/>



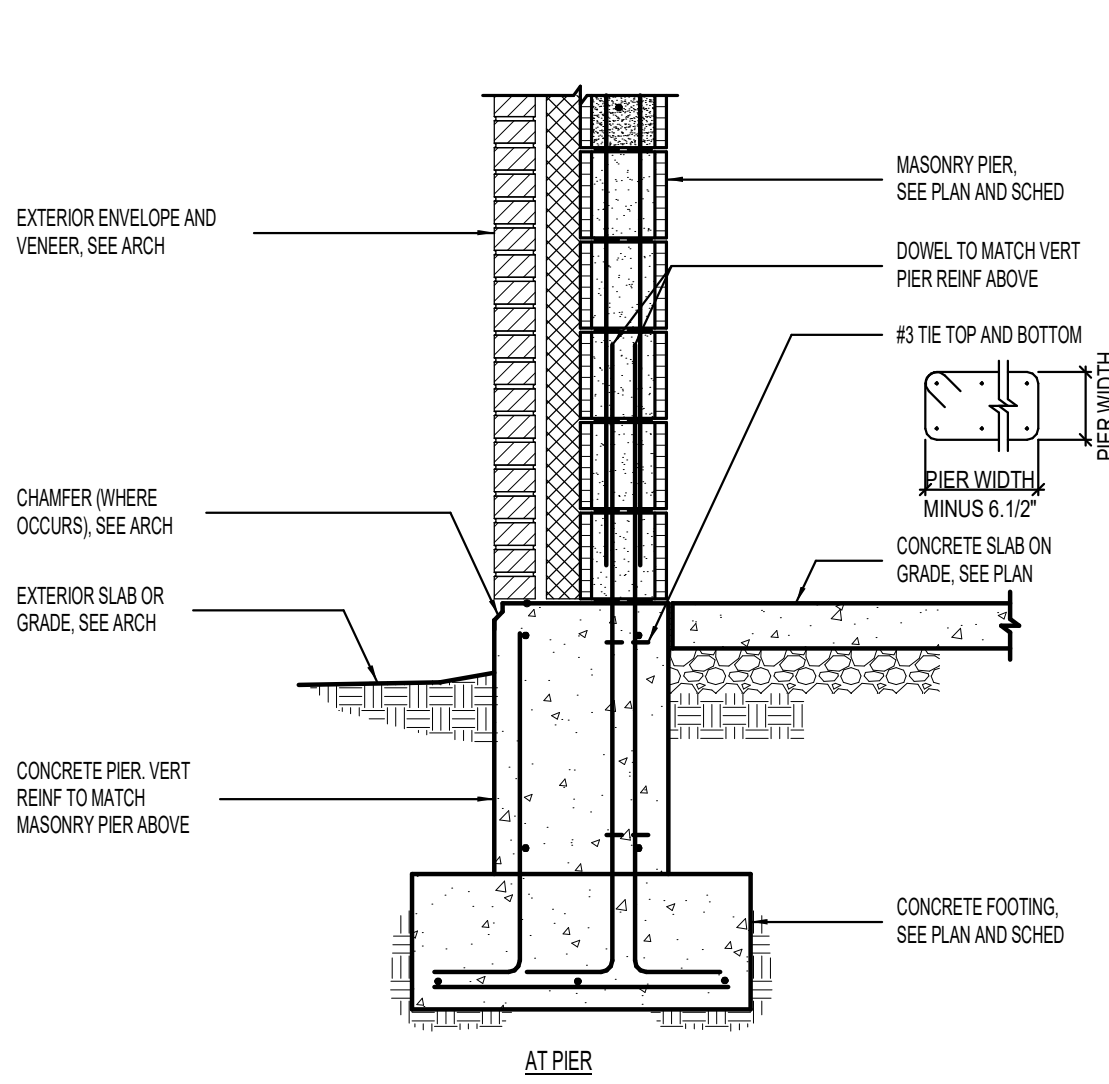
11 TYPICAL CORNER WALL REINFORCING [PLAN VIEW] NO SCALE



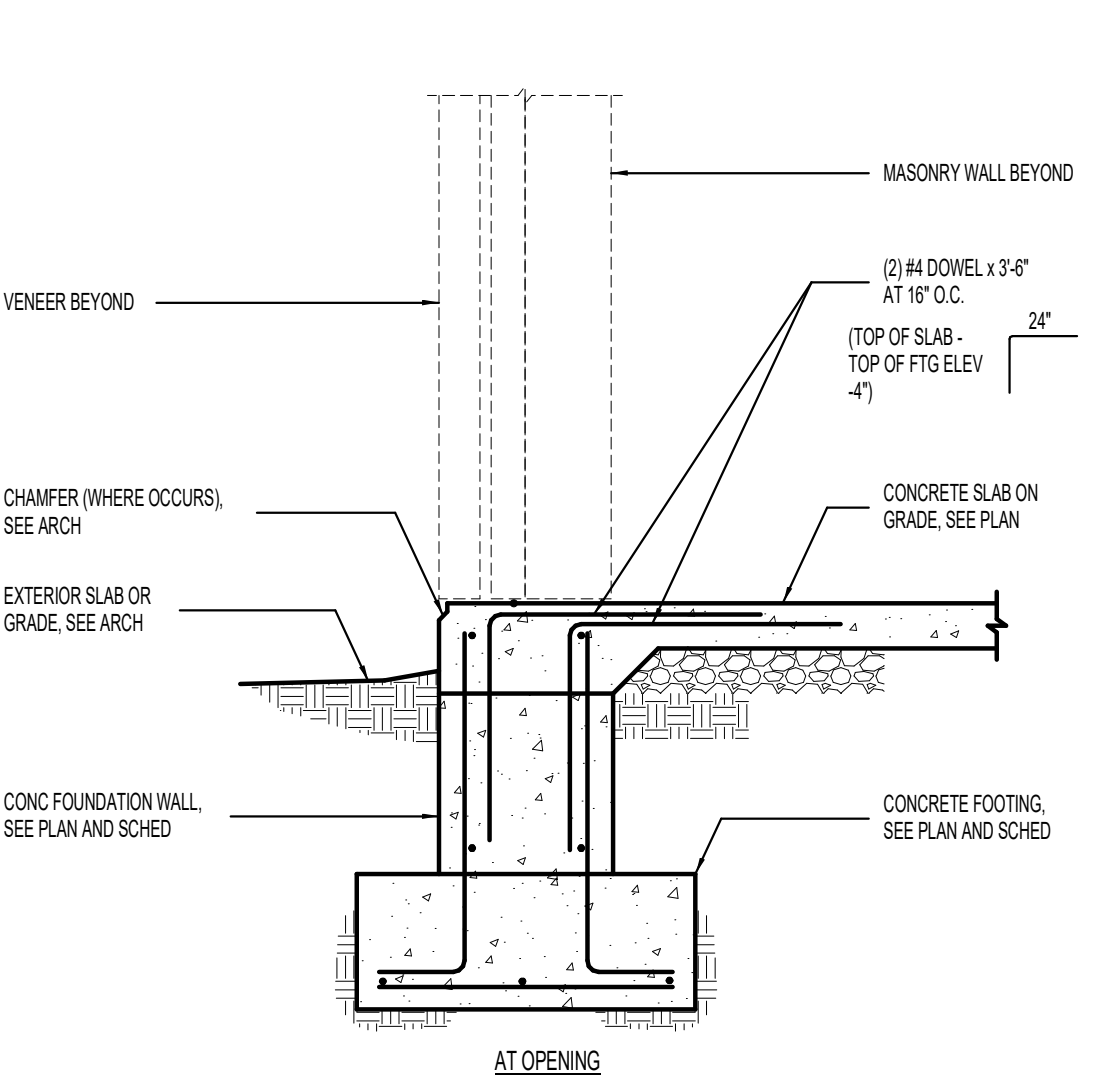
11 TYPICAL CORNER WALL REINFORCING [PLAN VIEW] NO SCALE



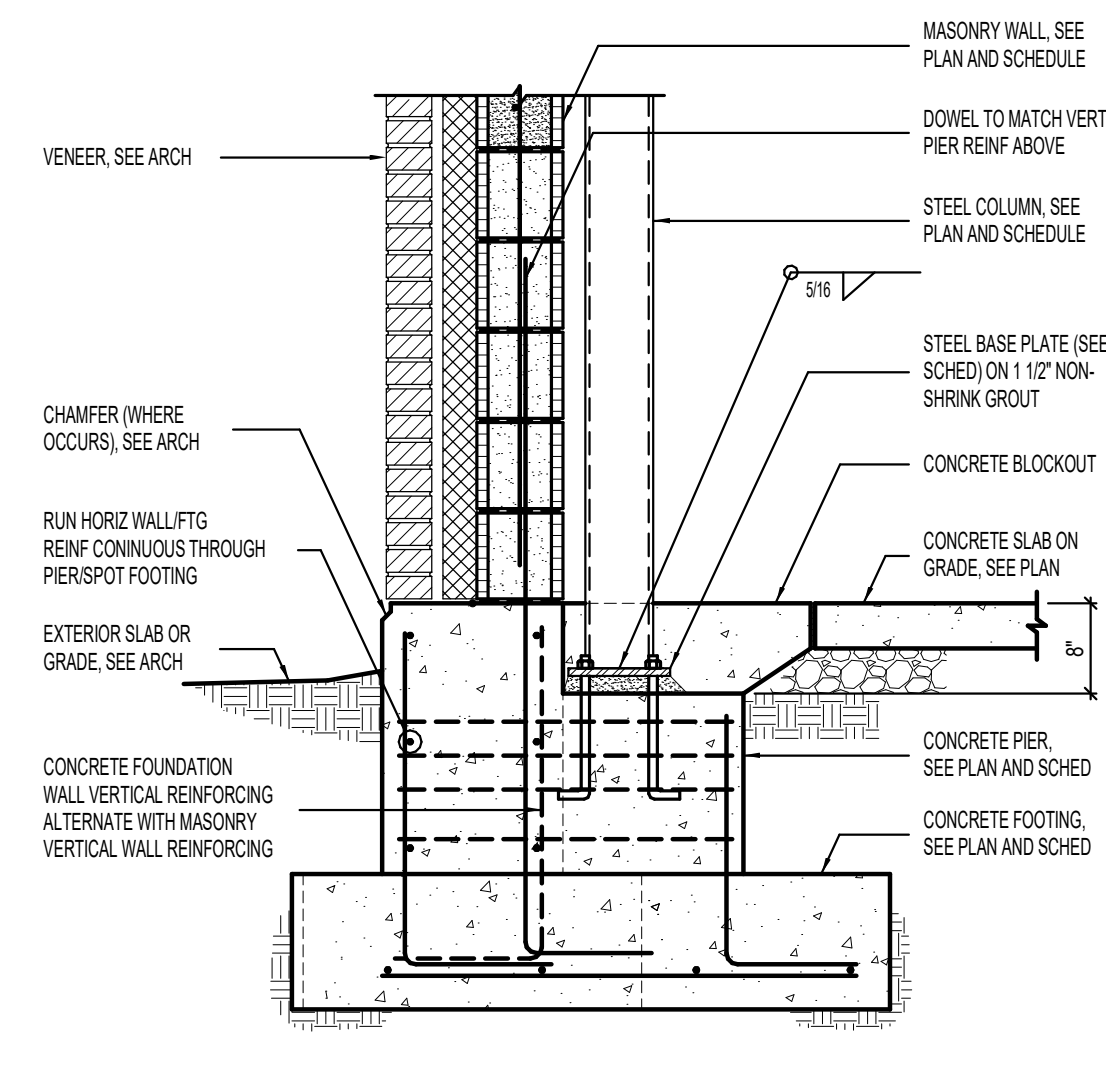
1 FOUNDATION WALL DETAIL AT MASONRY WALLS WITH VENEER AT WALL



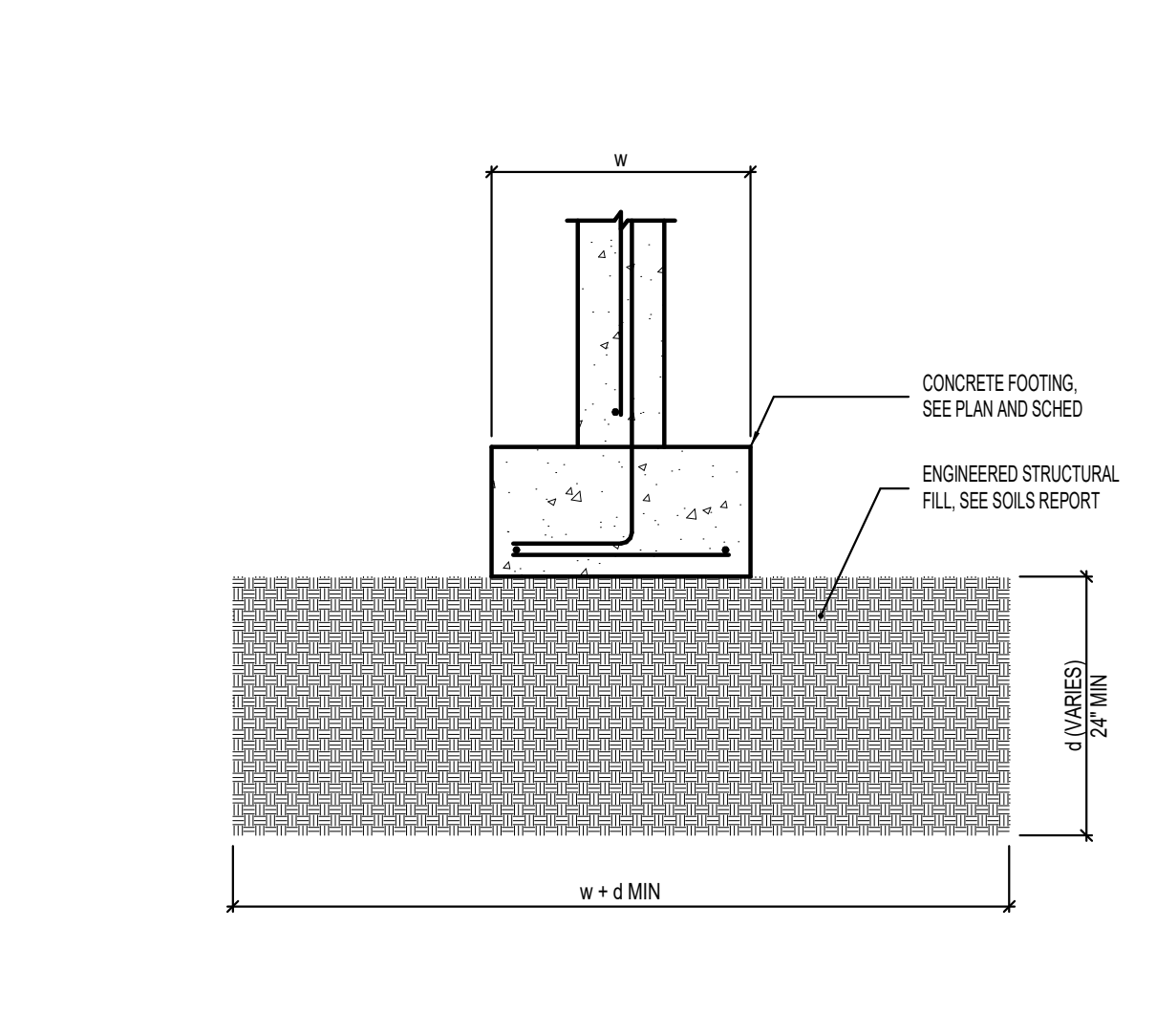
1 FOUNDATION WALL DETAIL AT MASONRY WALLS WITH VENEER AT PIER



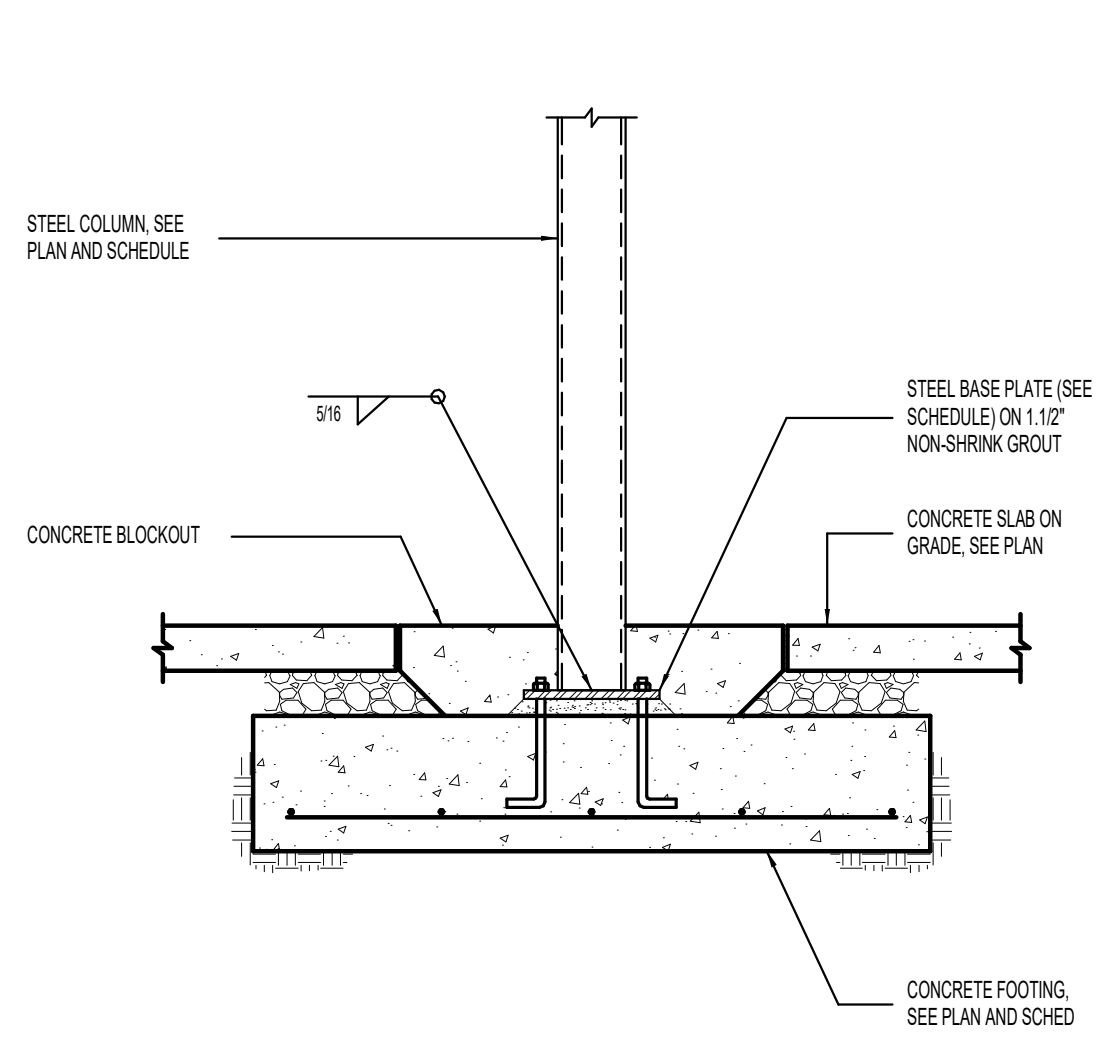
1 FOUNDATION WALL DETAIL AT MASONRY WALLS WITH VENEER AT OPENING



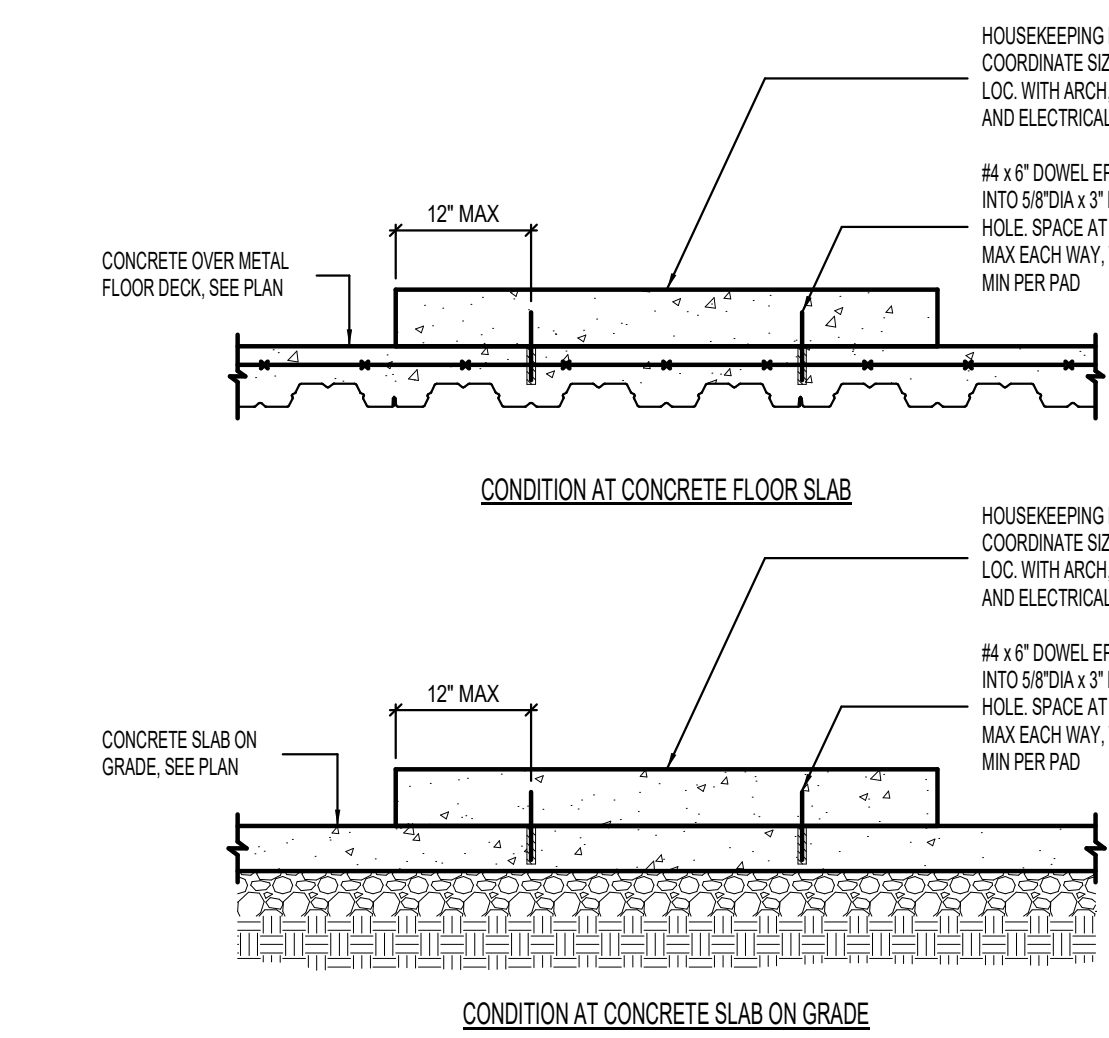
2 STEEL COLUMN BEARING DETAIL AT MASONRY WALL WITH VENEER



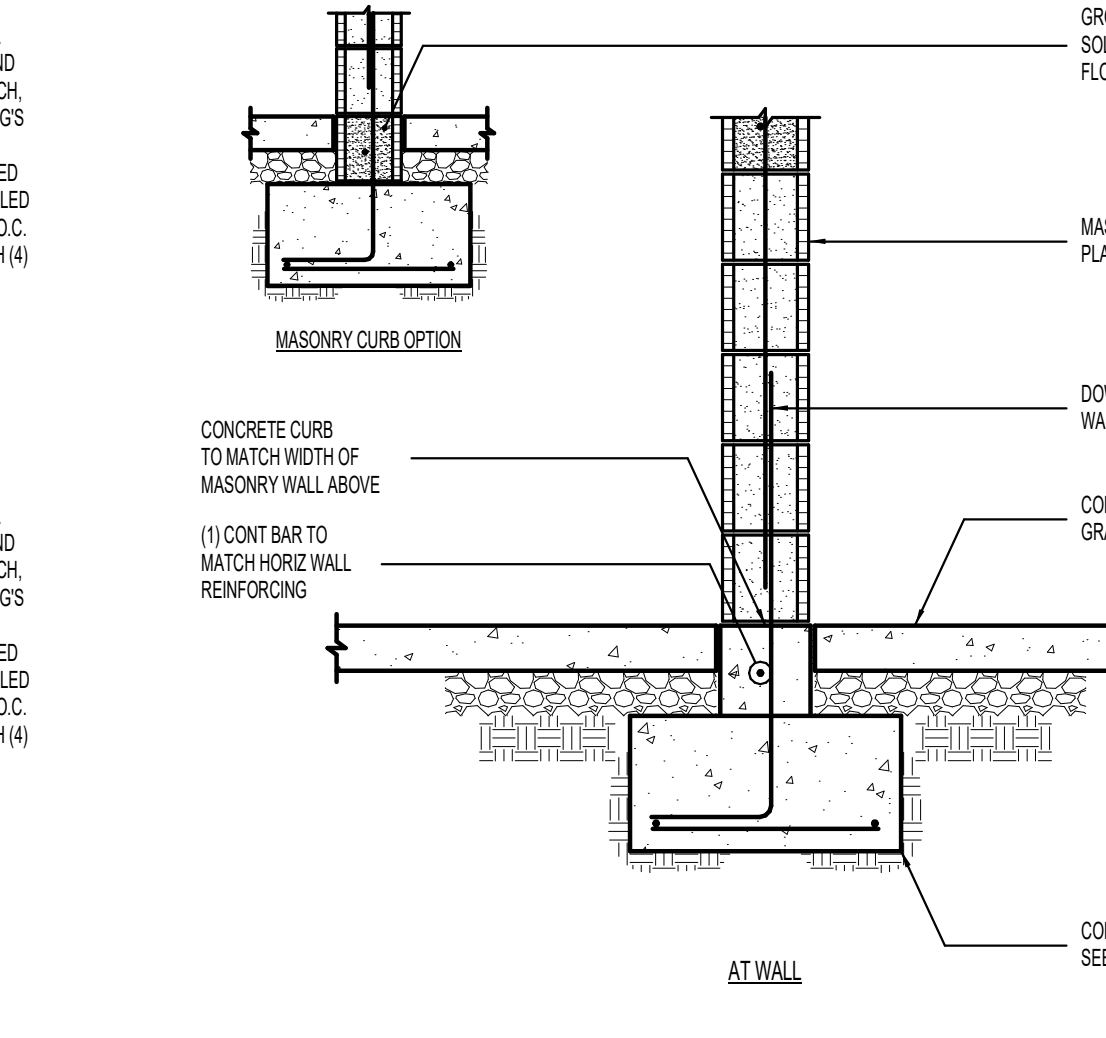
3 ENGINEERED STRUCTURAL FILL DETAIL



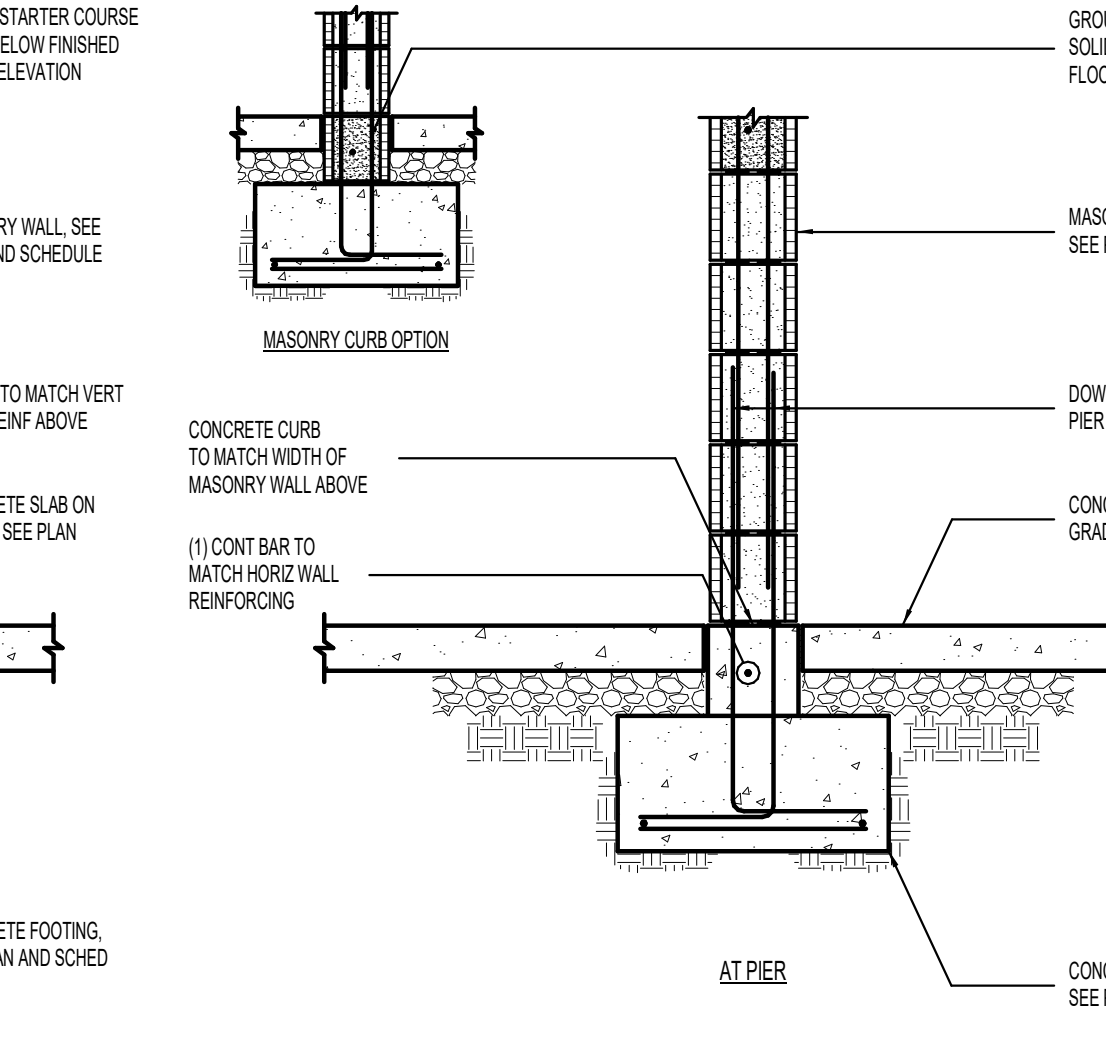
4 TYPICAL INTERIOR STEEL COLUMN TO FOOTING DETAIL



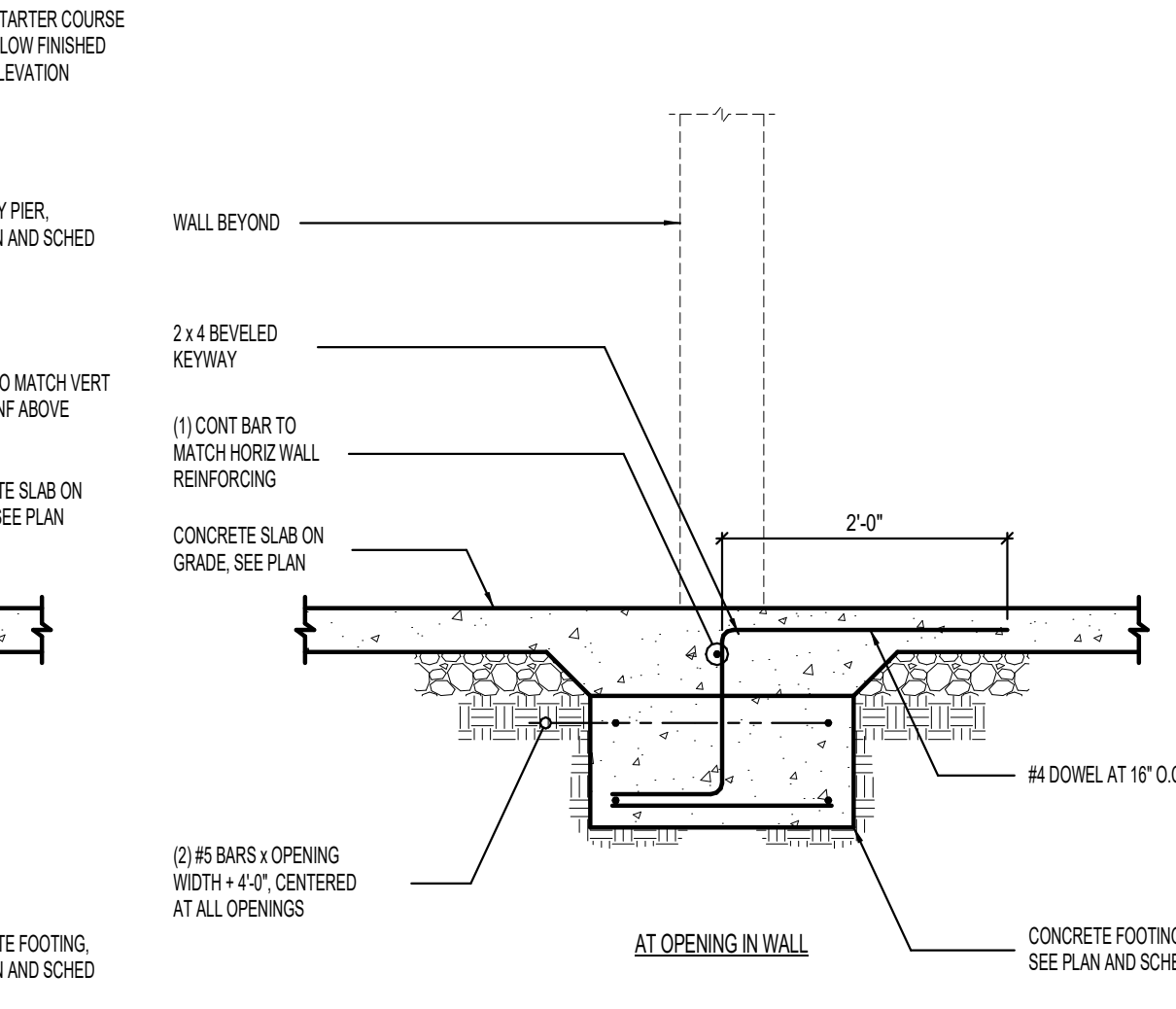
5 HOUSEKEEPING PAD DETAIL



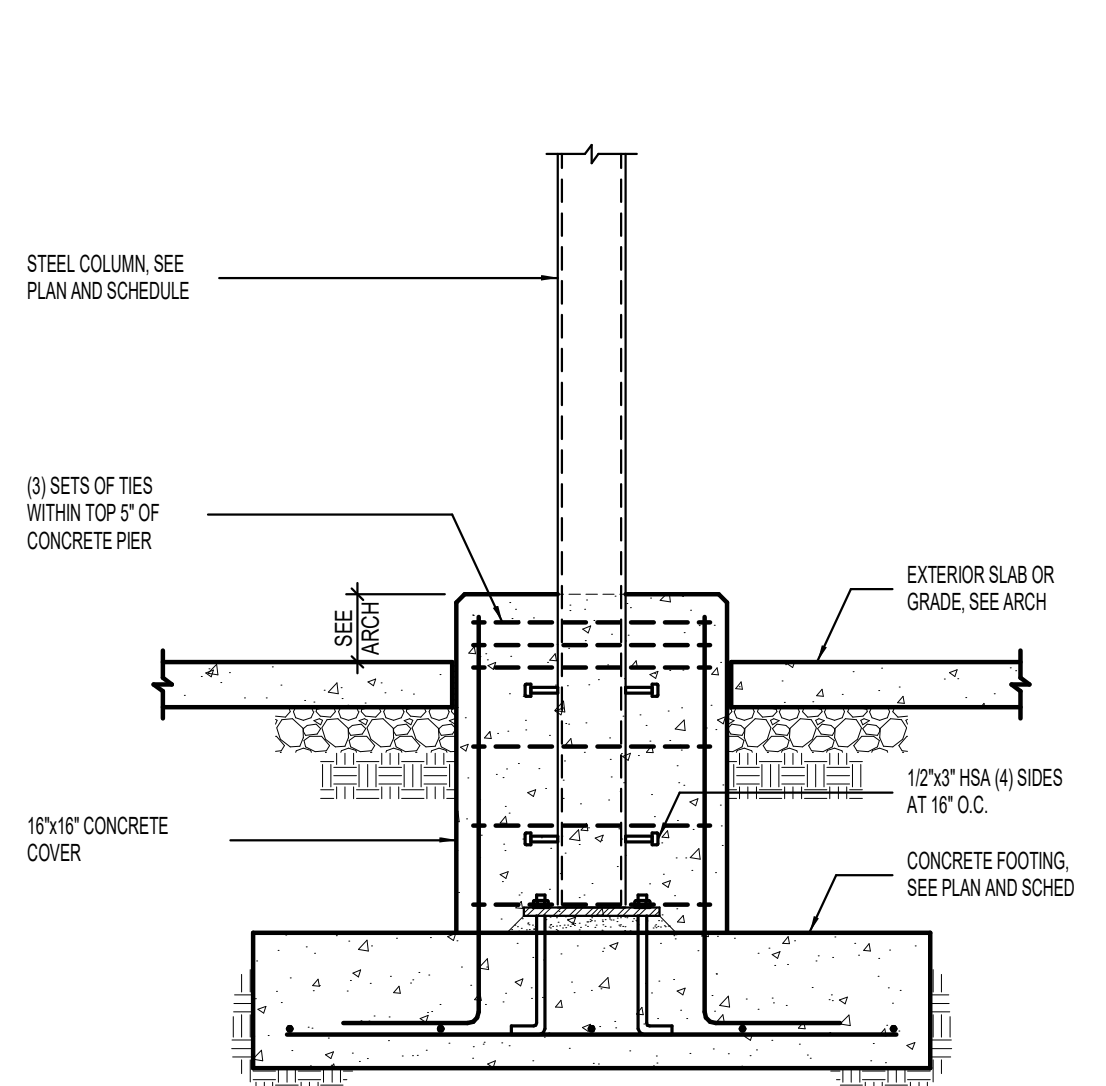
6 TYPICAL INTERIOR MASONRY WALL ON CONCRETE CURB



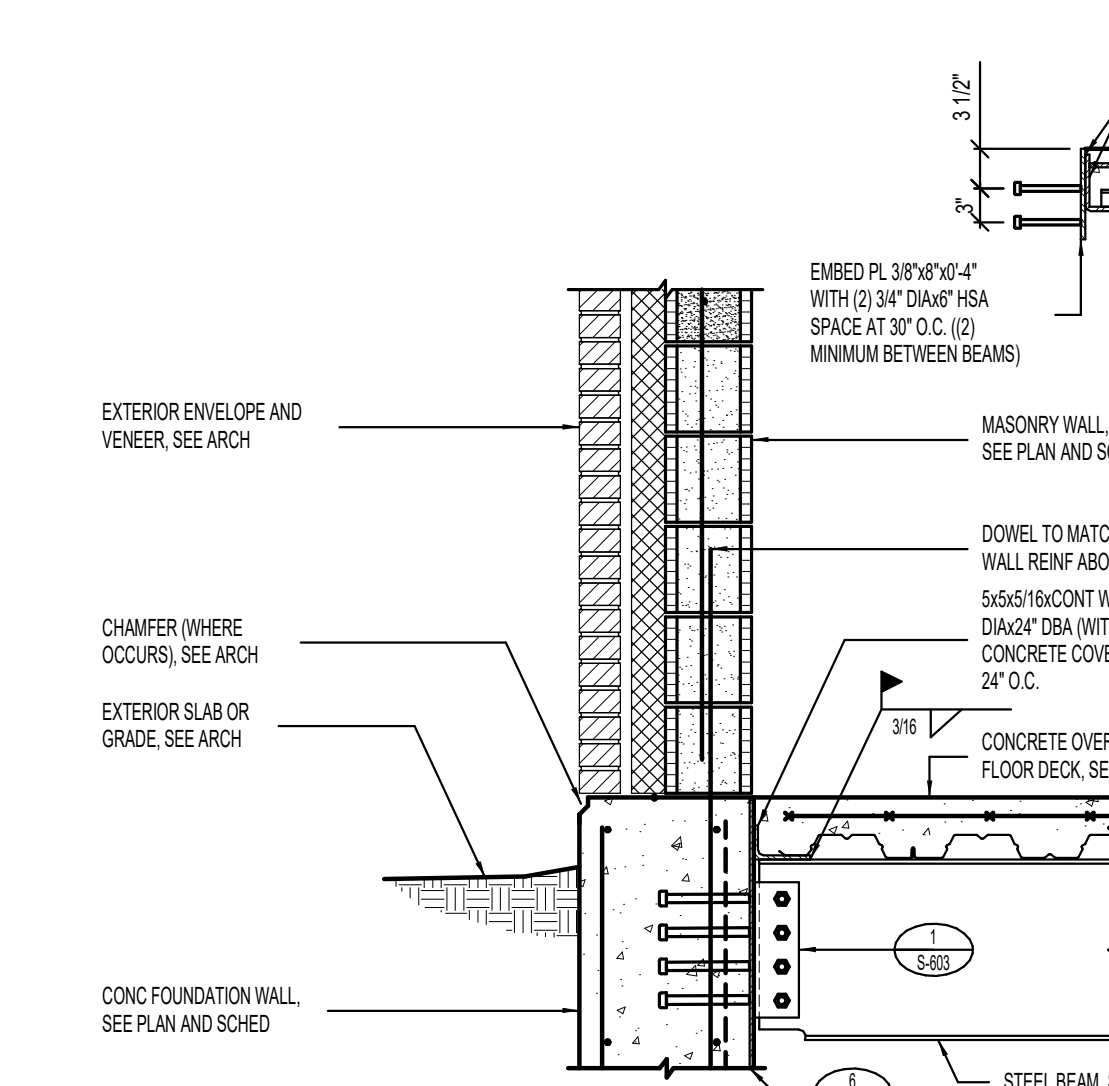
6 TYPICAL INTERIOR MASONRY WALL ON CONCRETE CURB AT WALL



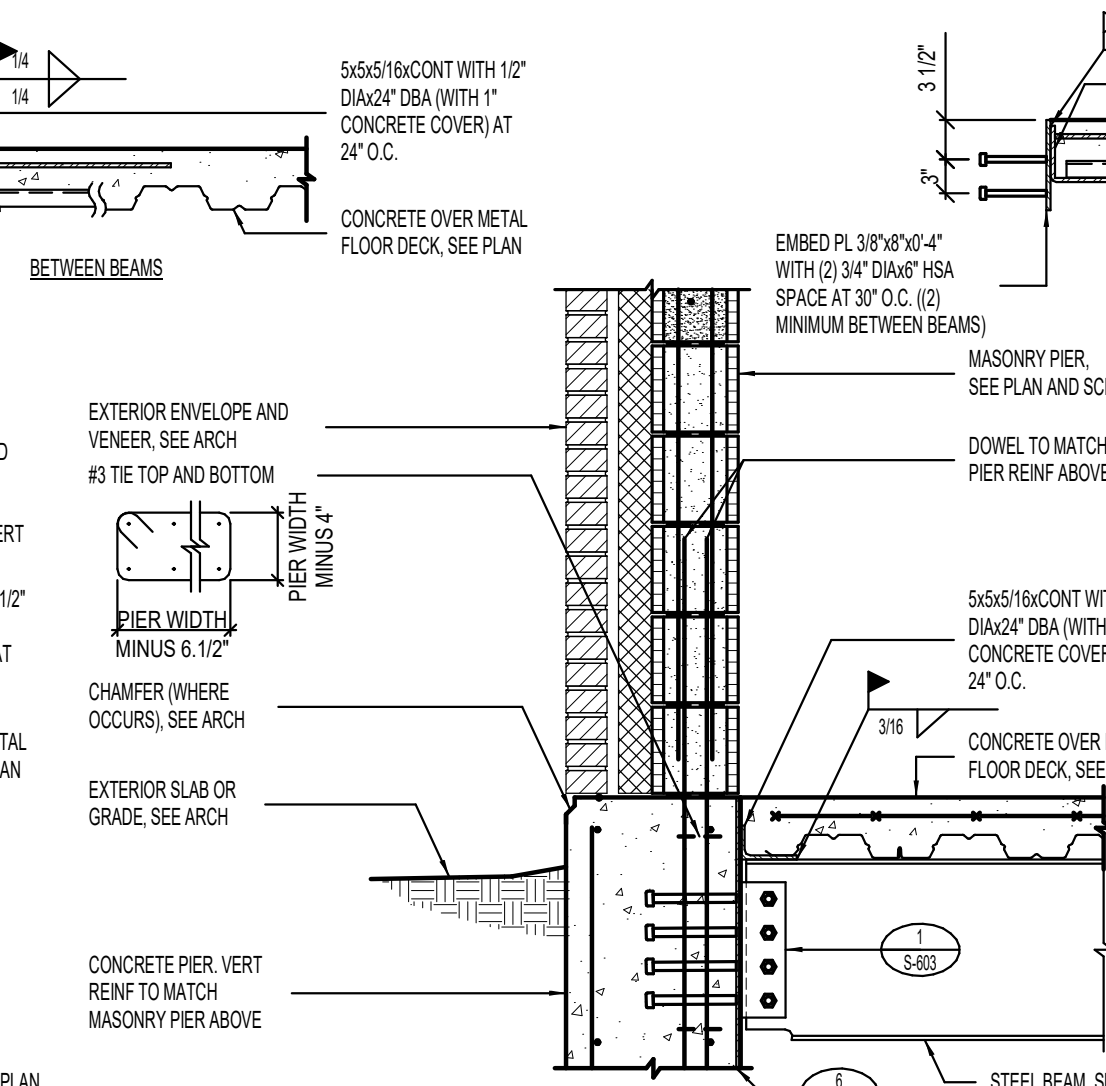
6 TYPICAL INTERIOR MASONRY WALL ON CONCRETE CURB AT OPENING IN WALL



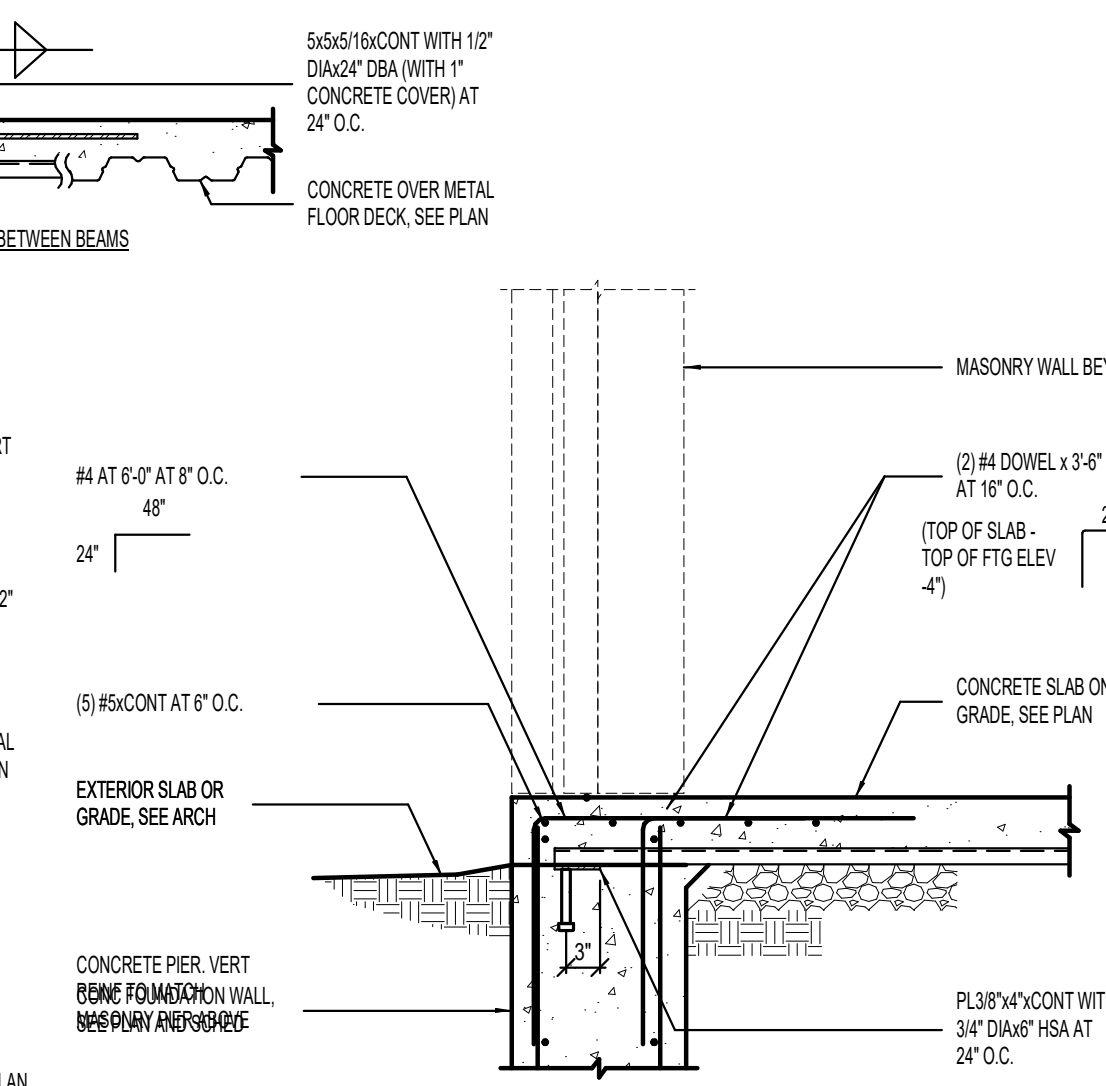
7 EXTERIOR STEEL COLUMN BEARING ON CONCRETE PIER



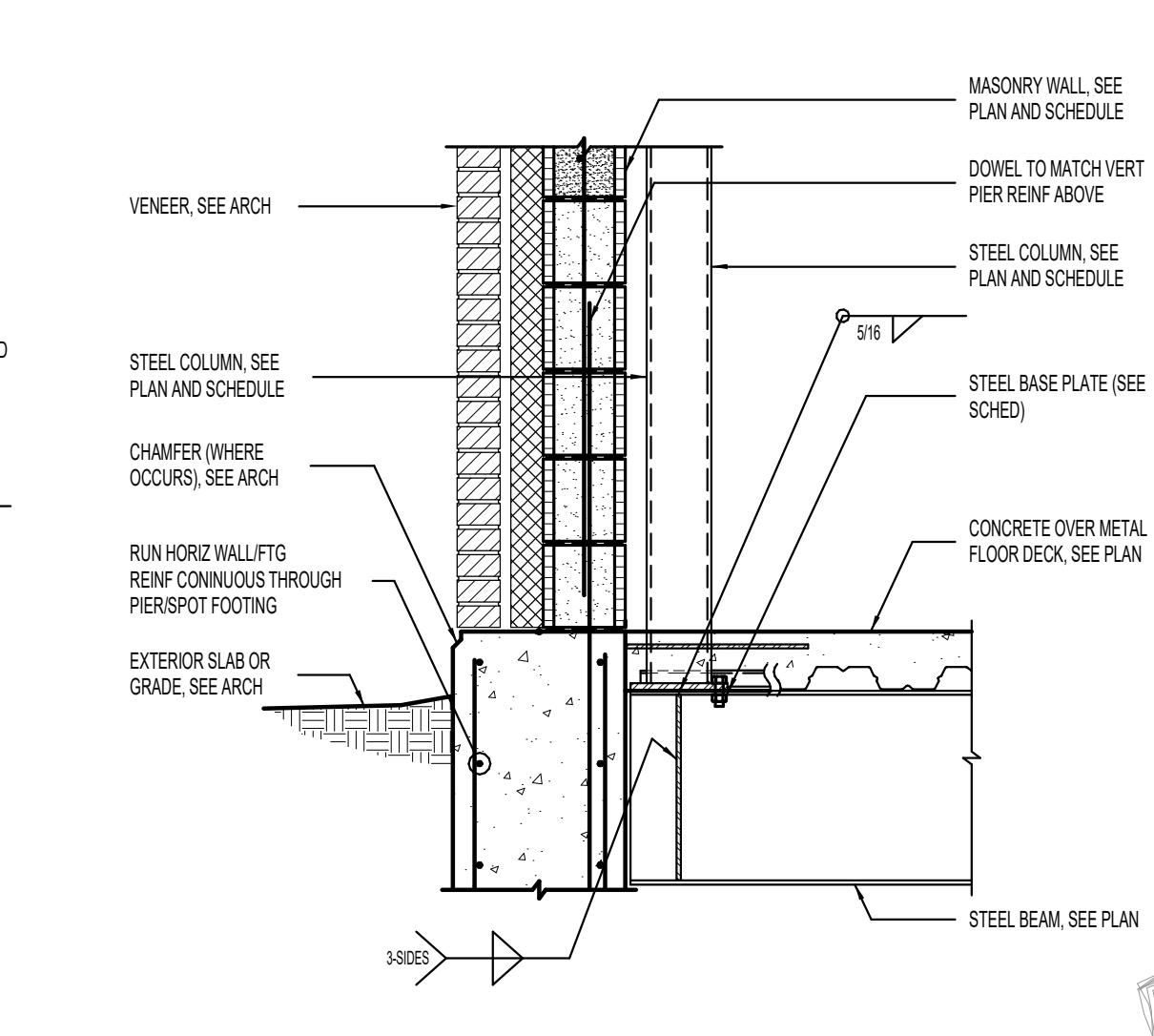
8 FOUNDATION WALL DETAIL AT MASONRY WALLS WITH VENEER AT WALL



8 FOUNDATION WALL DETAIL AT MASONRY WALLS WITH VENEER AT PIER



8 FOUNDATION WALL DETAIL AT MASONRY WALLS WITH VENEER AT OPENING



9 STEEL COLUMN BEARING DETAIL AT MASONRY WALL WITH VENEER

MARK	DATE	DESCRIPTION

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S-502

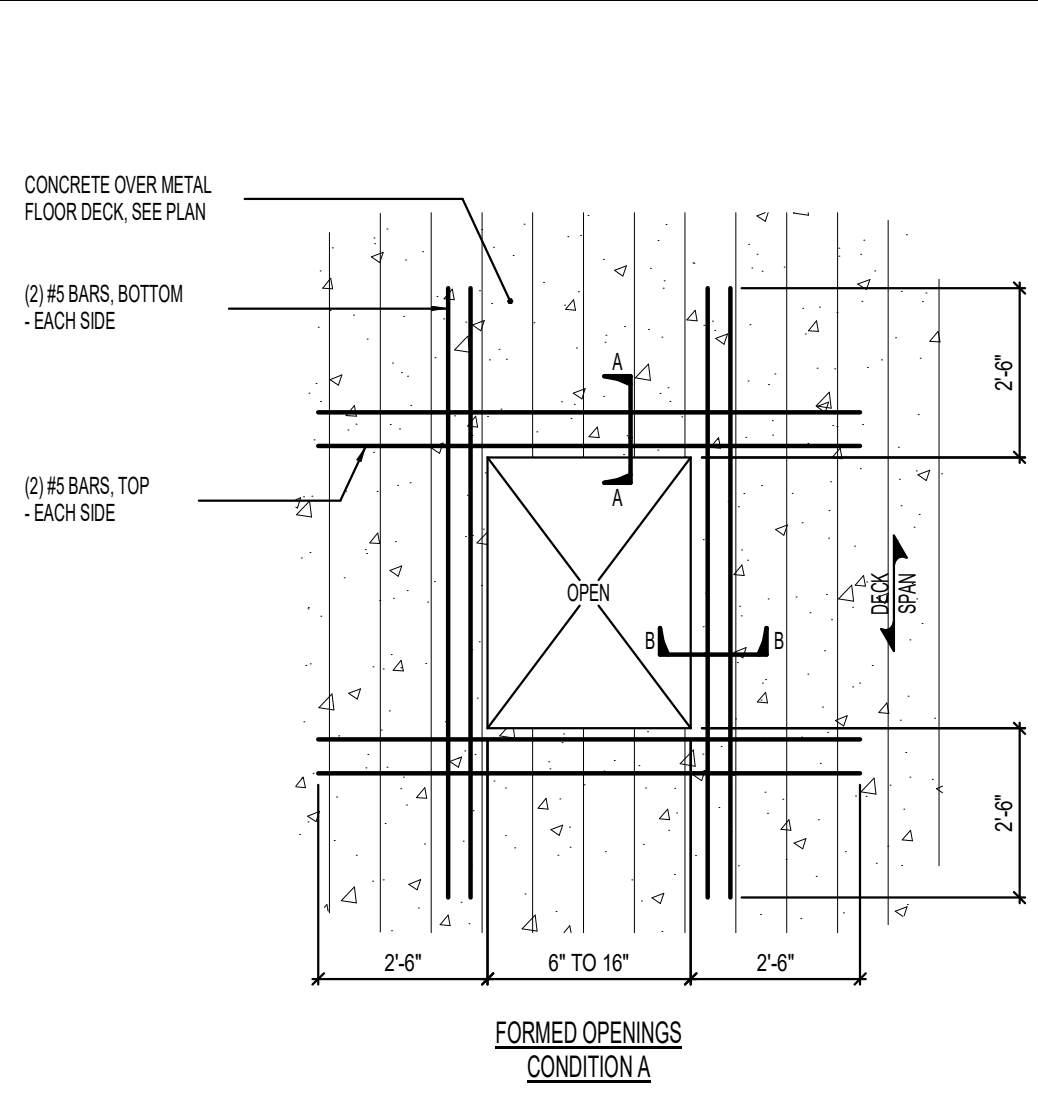
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DESCRIPTION:	
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DATE:	

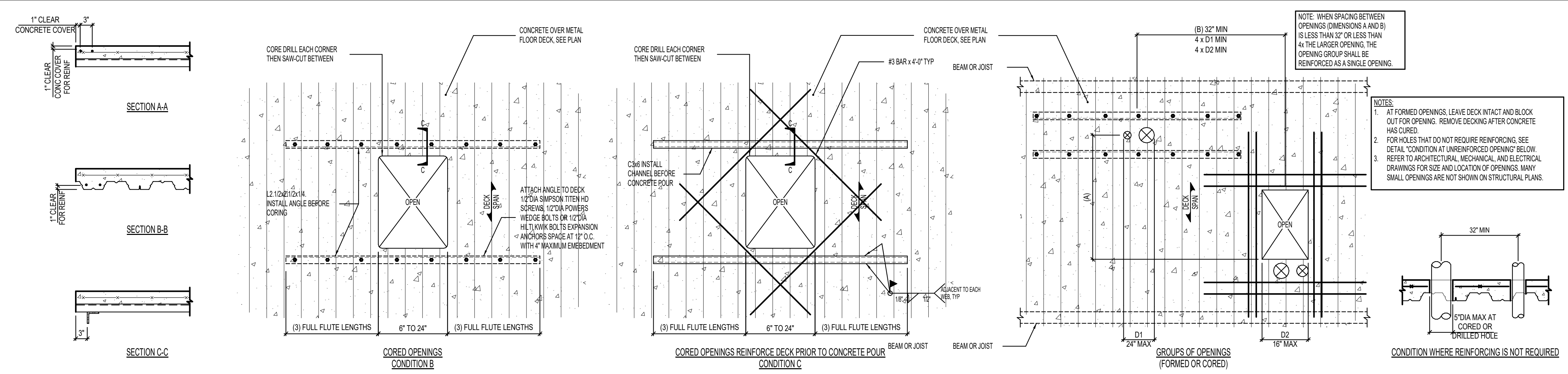
BHB PROJECT #: 220074
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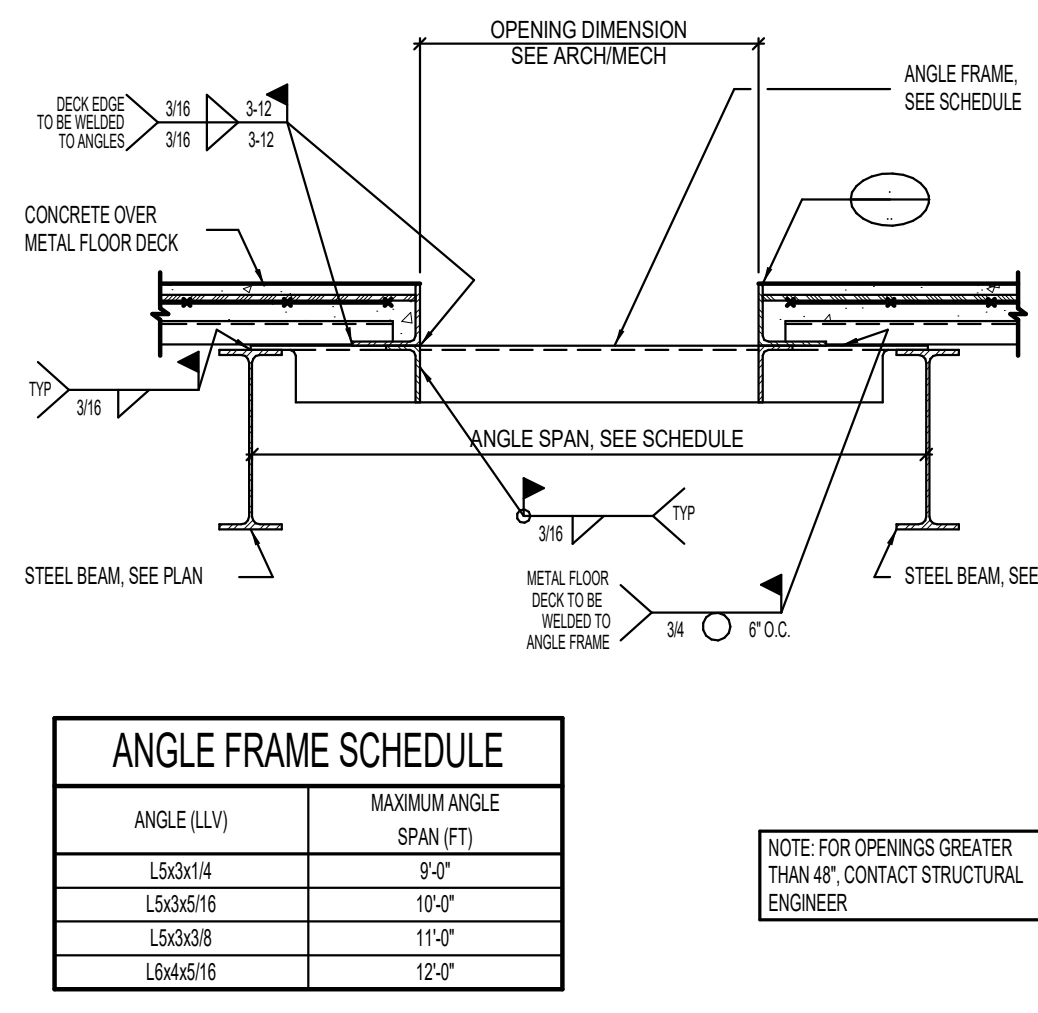
1 MISCELLANEOUS SMALL OPENINGS IN FLOOR SLAB (UP TO 24")



2 TYPICAL FLOOR OPENING DETAIL (OPENING < 48" AND > 24")

3 TYPICAL COMPOSITE BEAM DETAILS

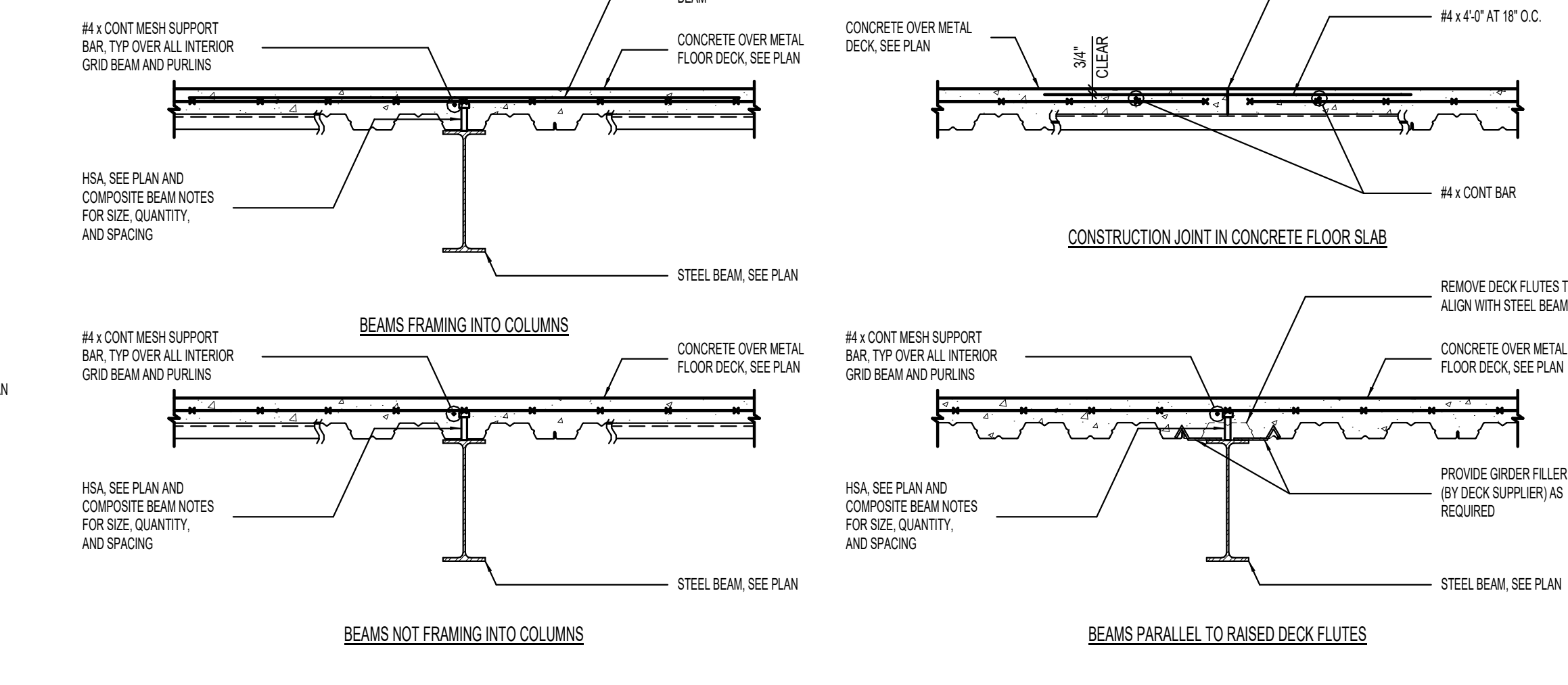
4 TYPICAL DECK BEARING ANGLES AT STEEL COLUMN



5 TYPICAL STEEL BEAM CONNECTION DETAIL OF INTERIOR STEEL COLUMN

ANGLE (LLV)	MAXIMUM ANGLE SPAN (FT)
L5x3x1/4	9'-0"
L5x3x5/16	10'-0"
L5x3x3/8	11'-0"
L6x4x5/16	12'-0"

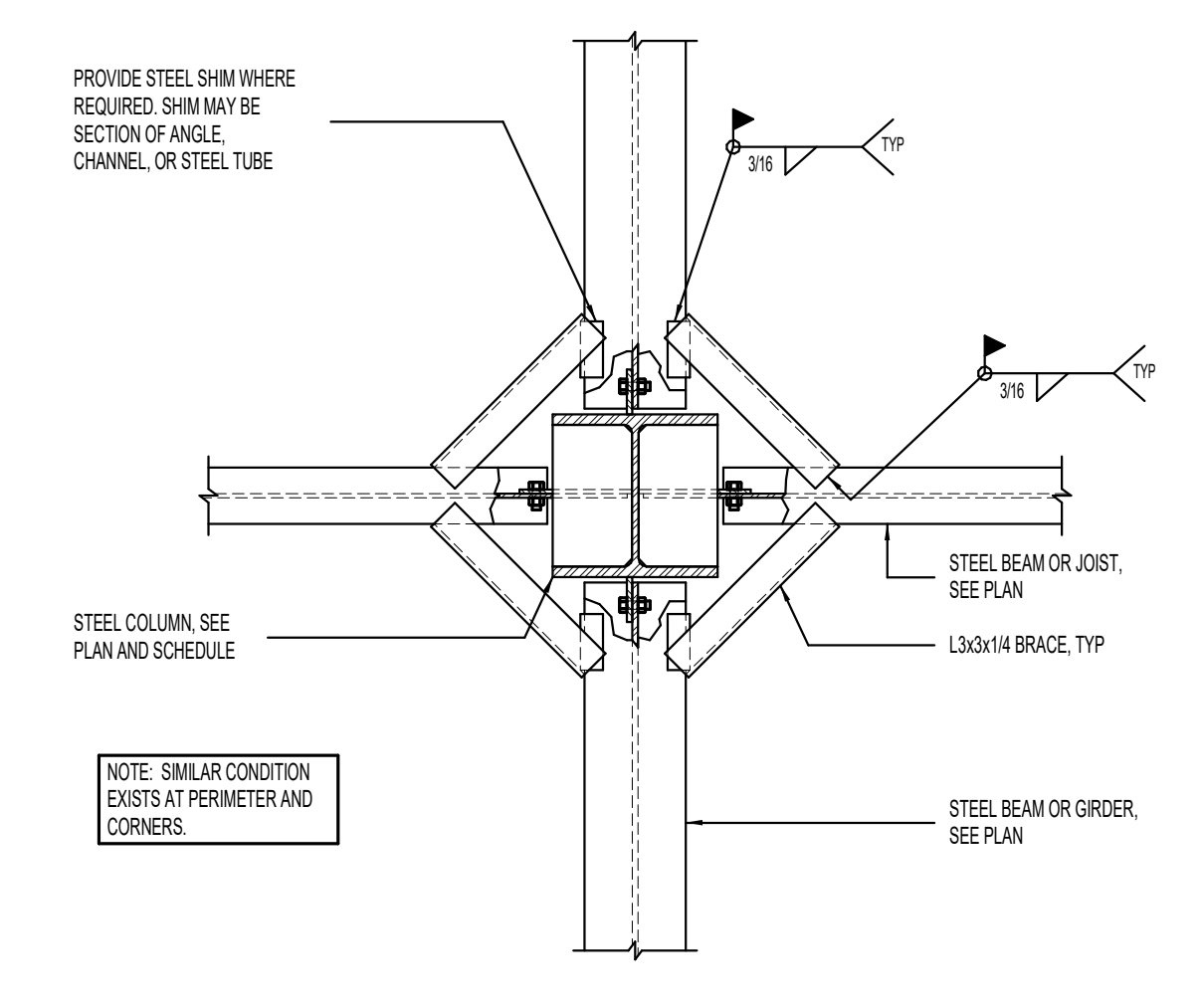
NOTE: FOR OPENINGS GREATER THAN 48", CONTACT STRUCTURAL ENGINEER



6 TYPICAL STEEL BEAM TO STEEL BEAM CONNECTION

7 TYPICAL BRACE DETAIL

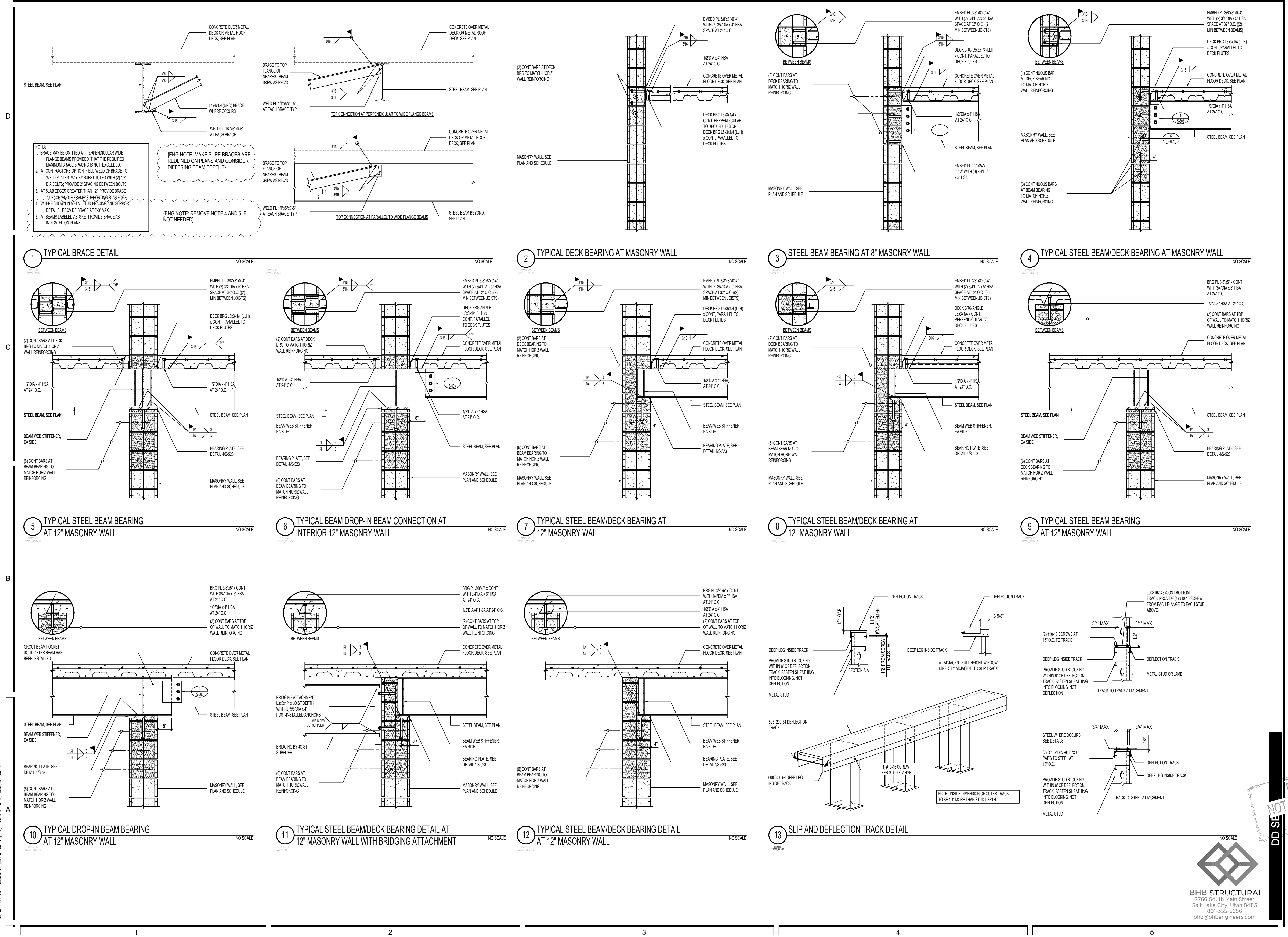
8 TYPICAL SLAB EDGE DETAIL



9 ELEVATOR RAIL COLUMN CONNECTION

3/30/2022 11:03 AM PWT Autodesk Docs 19121299 North Logan City - Civic Center (2021) L & MDD (0221)_JAW014

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NOTES:
 1. BRACE MAY BE OMITTED AT PERPENDICULAR WIDE FLANGE BEAMS PROVIDED THAT THE REQUIRED MAXIMUM BRACE SPACING IS NOT EXCEEDED.
 2. AT CONTRACTOR'S OPTION, FIELD WELD OF BRACE TO WELD PLATES MAY BE SUBSTITUTED WITH (2) 1/2" DIA BOLTS, PROVIDE 2" SPACING BETWEEN BOLTS.
 3. AT SLAB EDGES GREATER THAN 12", PROVIDE BRACE AT EACH "ANGLE FRAME" SUPPORTING SLAB EDGE.
 4. WHERE SHOWN IN METAL STUD BRACING AND SUPPORT DETAILS, PROVIDE BRACE AT 6'-0" MAX.
 5. AT BEAMS LABELED AS 'SRE', PROVIDE BRACE AS INDICATED ON PLANS.

(ENG NOTE: MAKE SURE BRACES ARE REDLINED ON PLANS AND CONSIDER DIFFERING BEAM DEPTHS)

(ENG NOTE: REMOVE NOTE 4 AND 5 IF NOT NEEDED)

3/30/2022 1:10:45 PM Autodesk Docs 19212299 - North Logan City - Civic Center (2021) - S-512 (2022) - JAW/VA

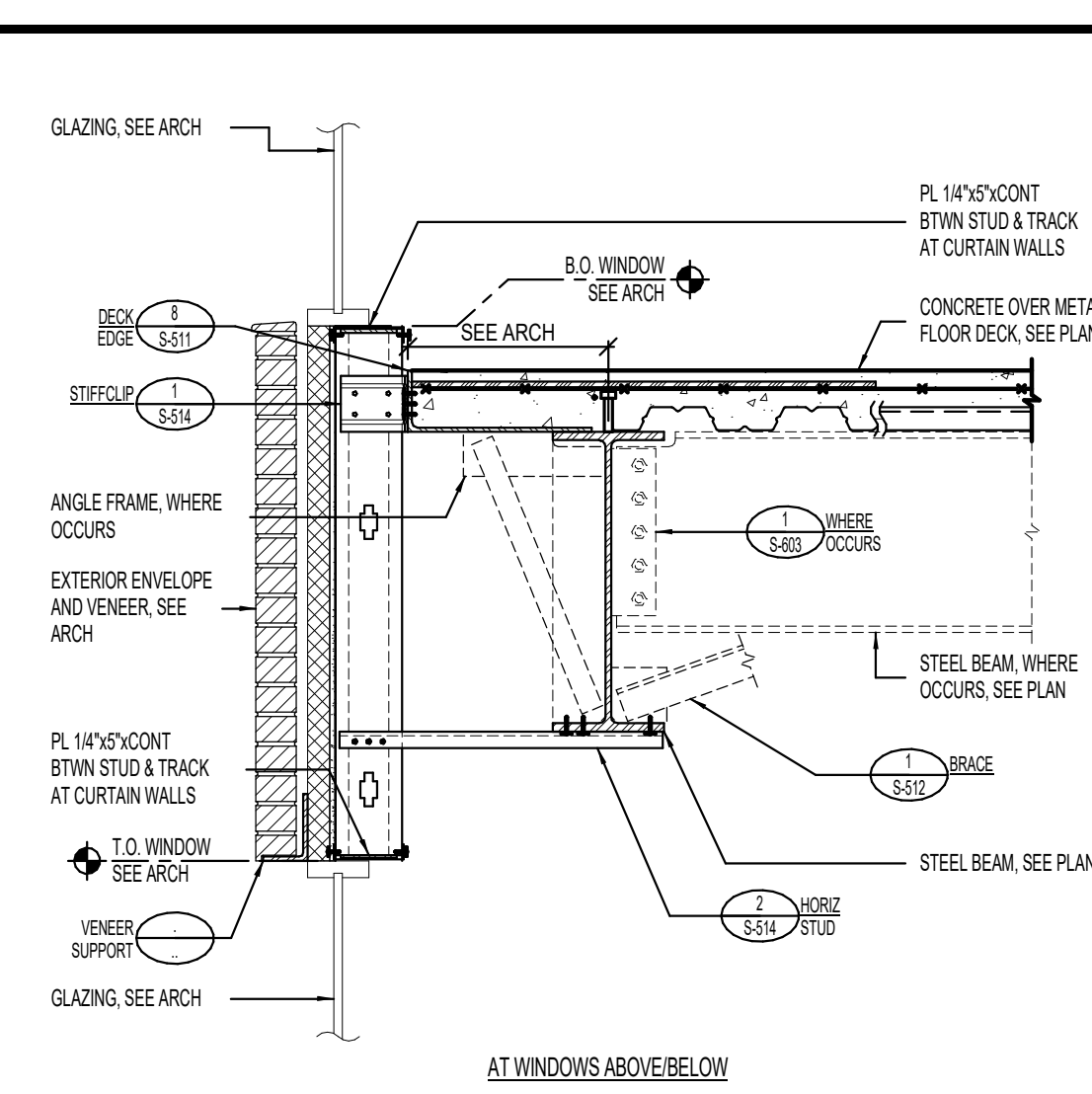
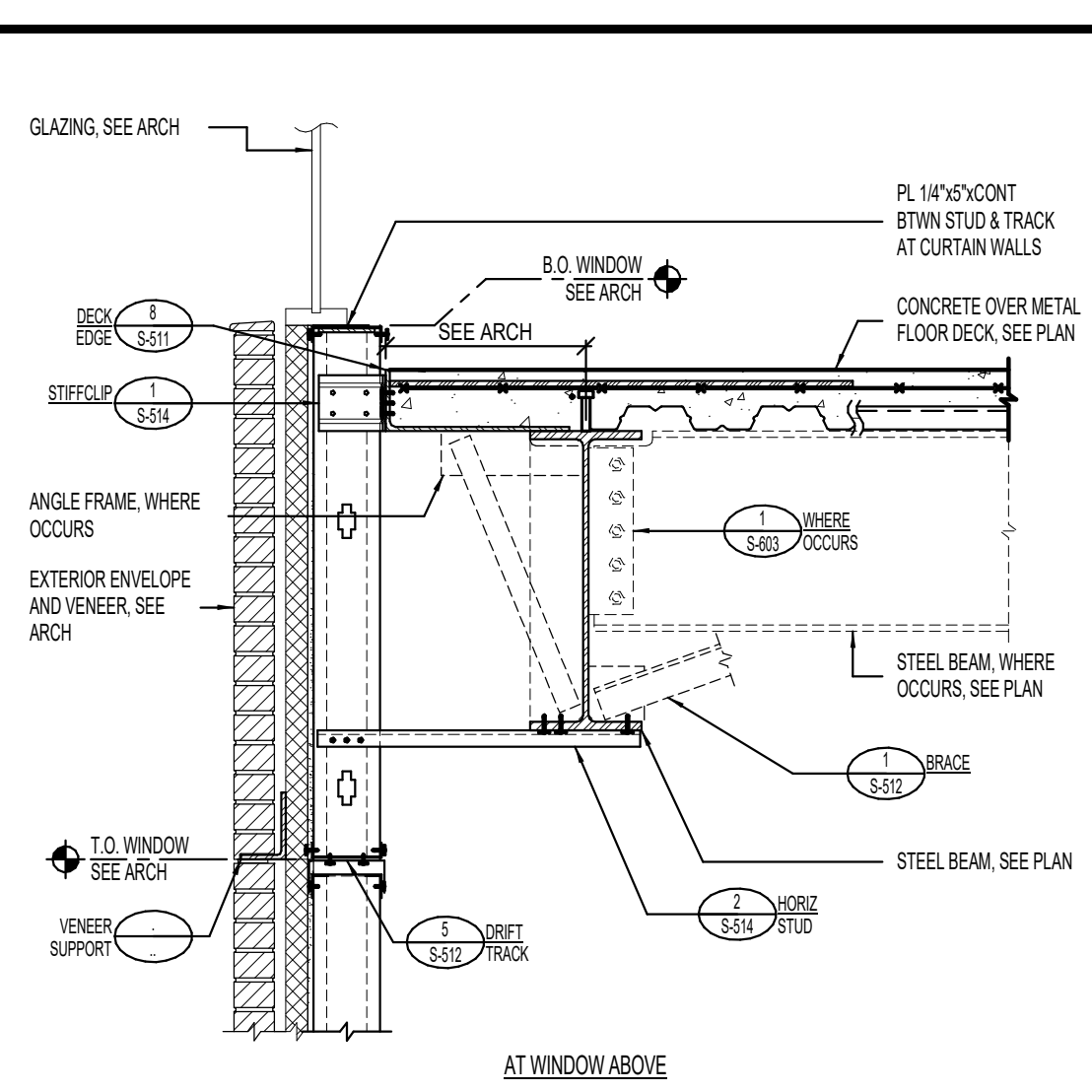
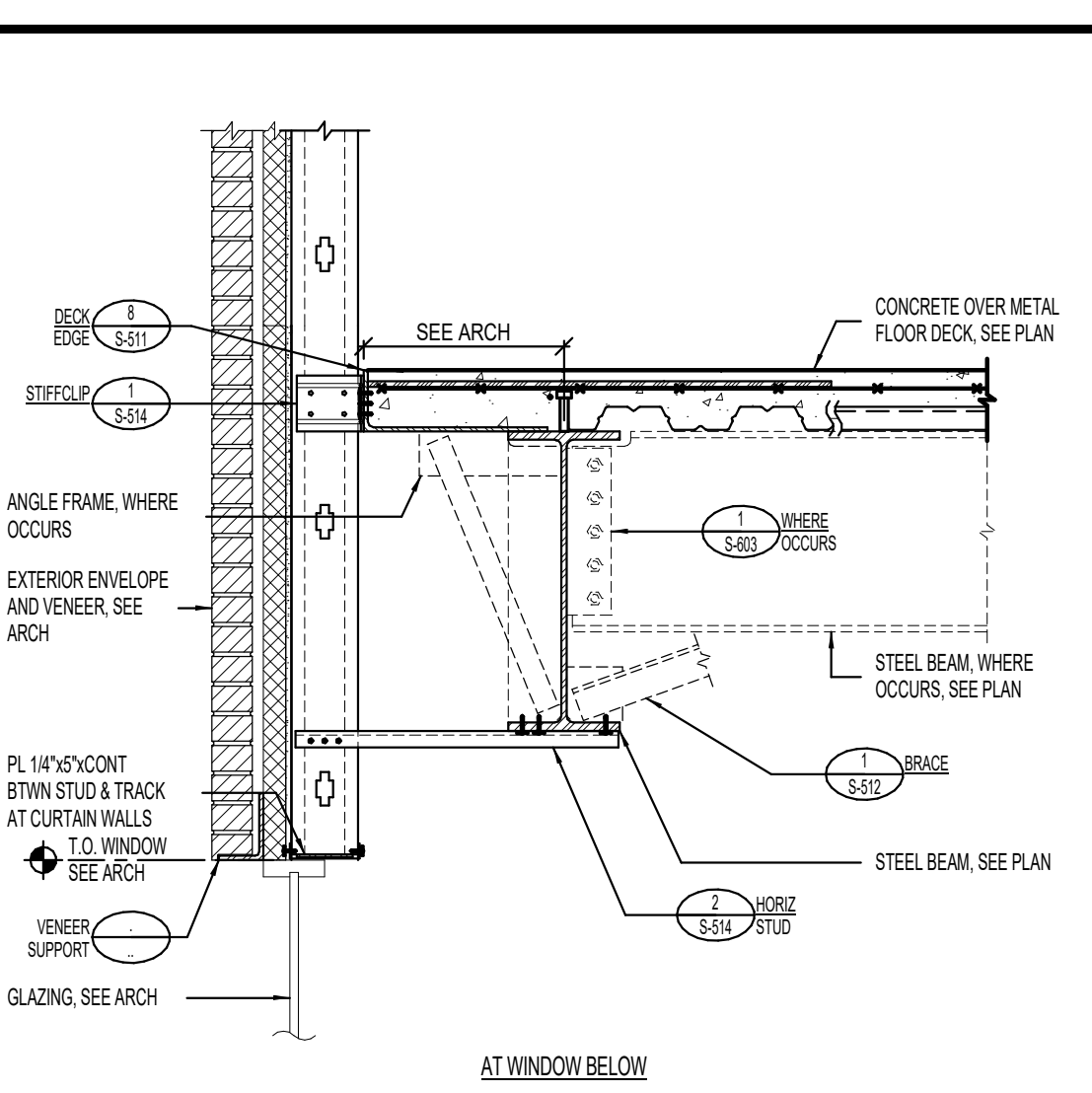
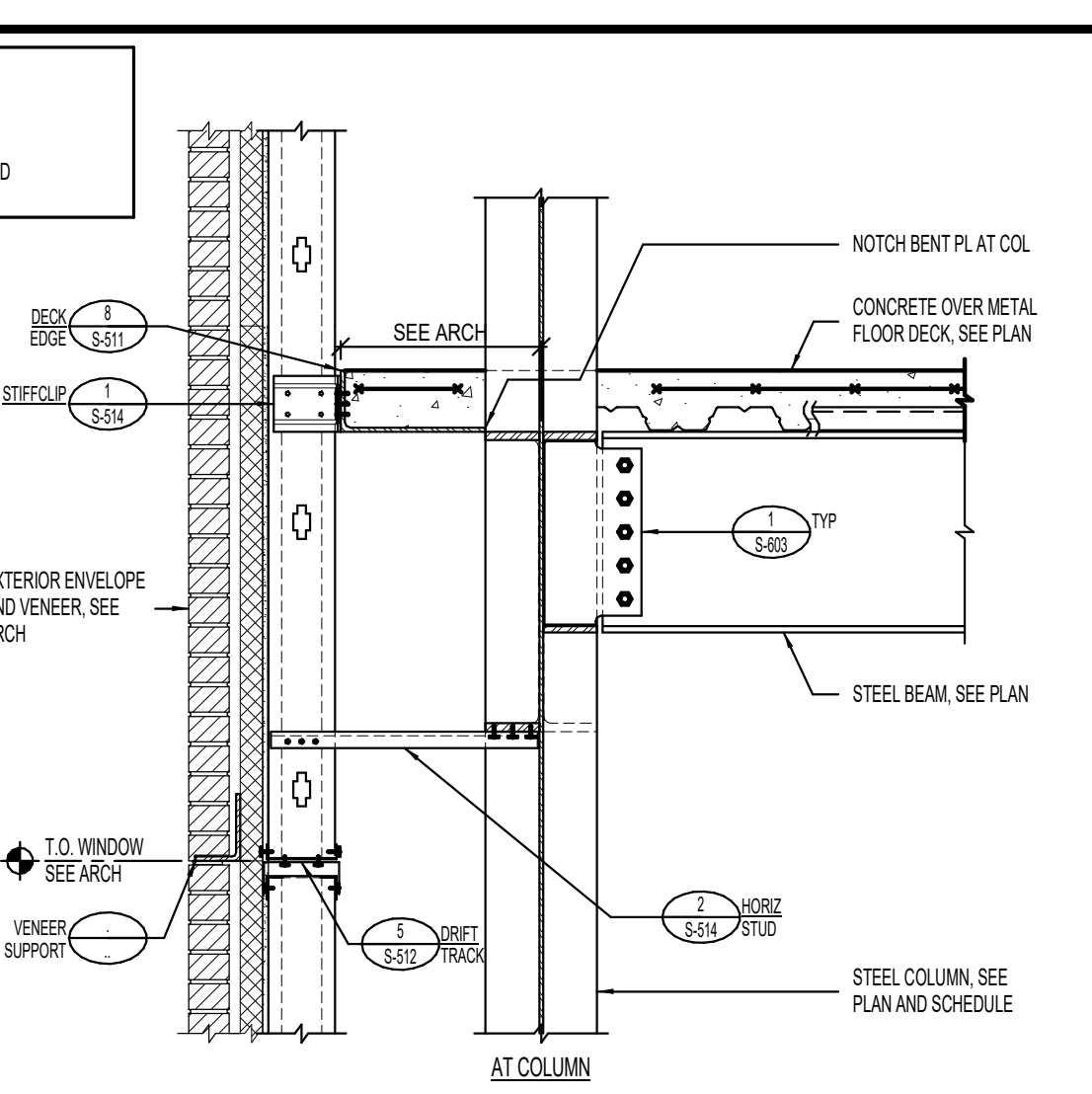
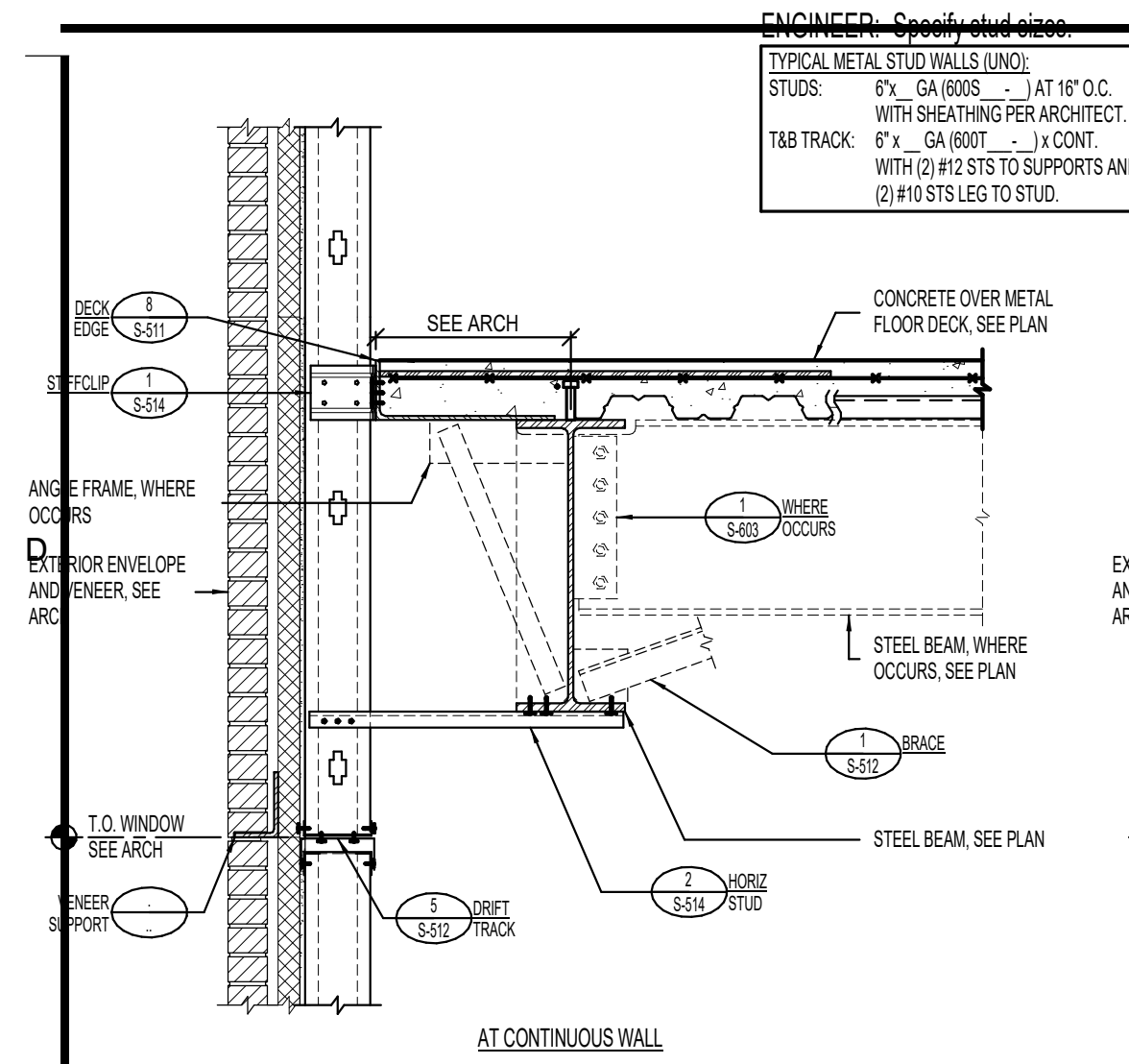
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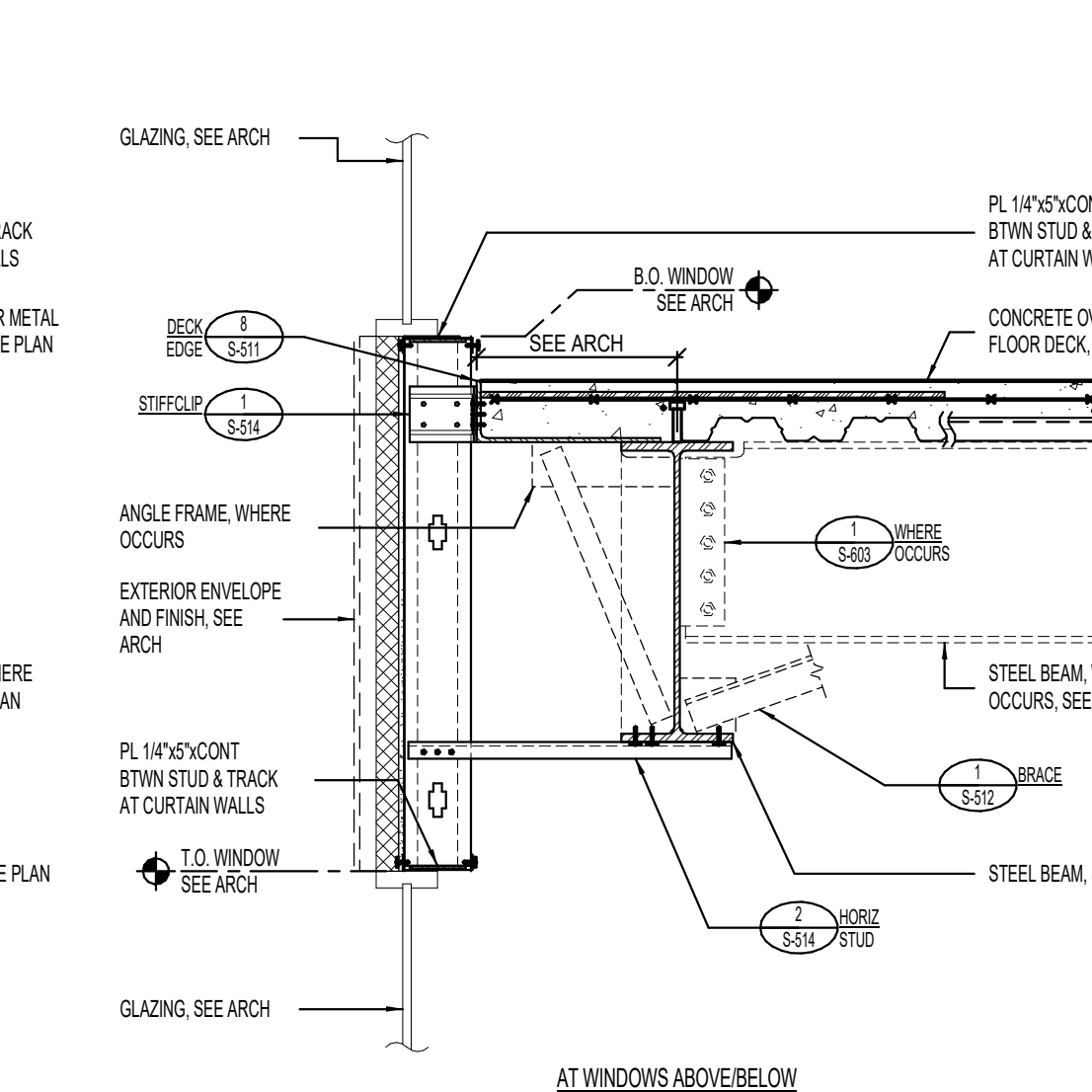
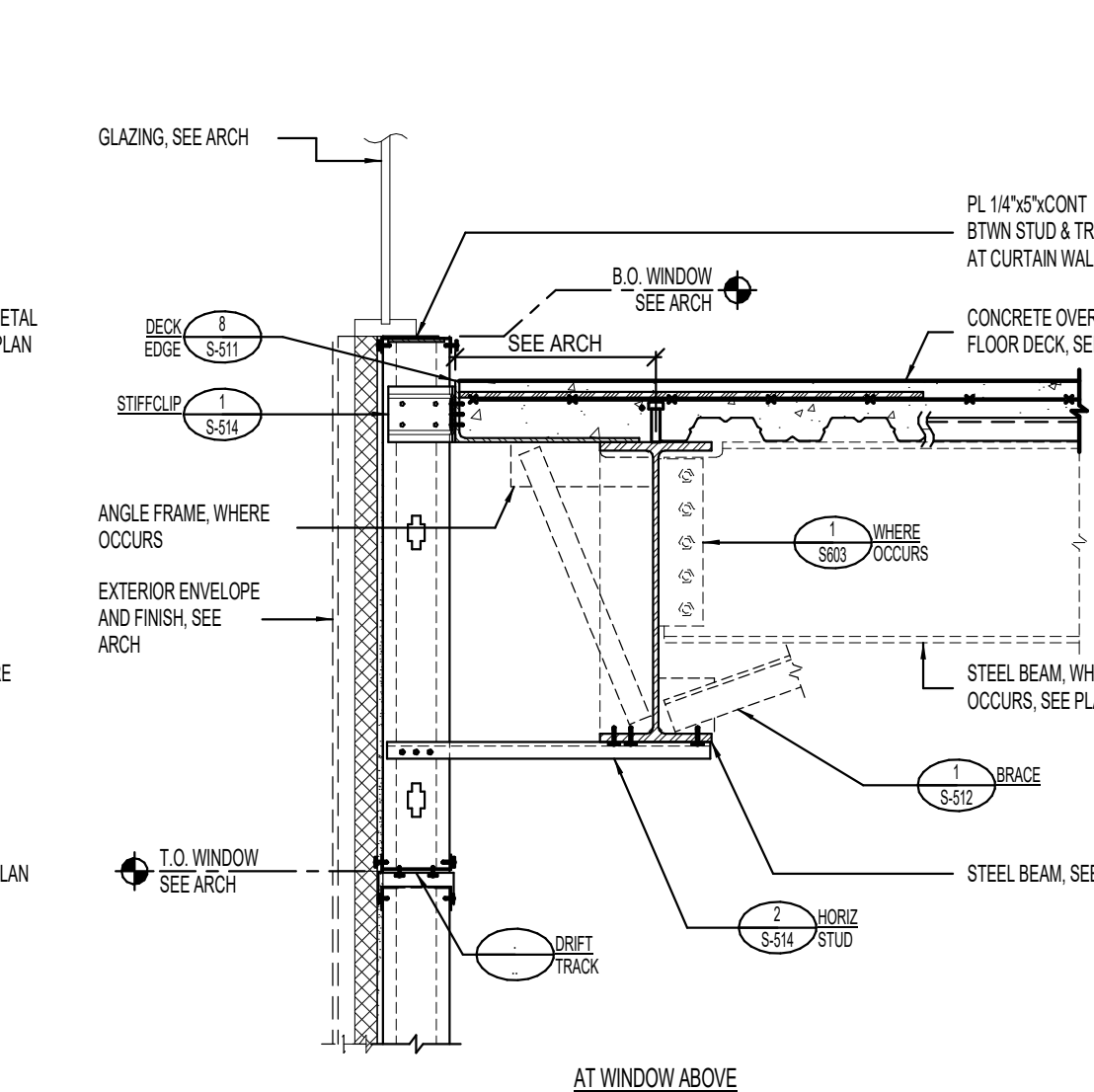
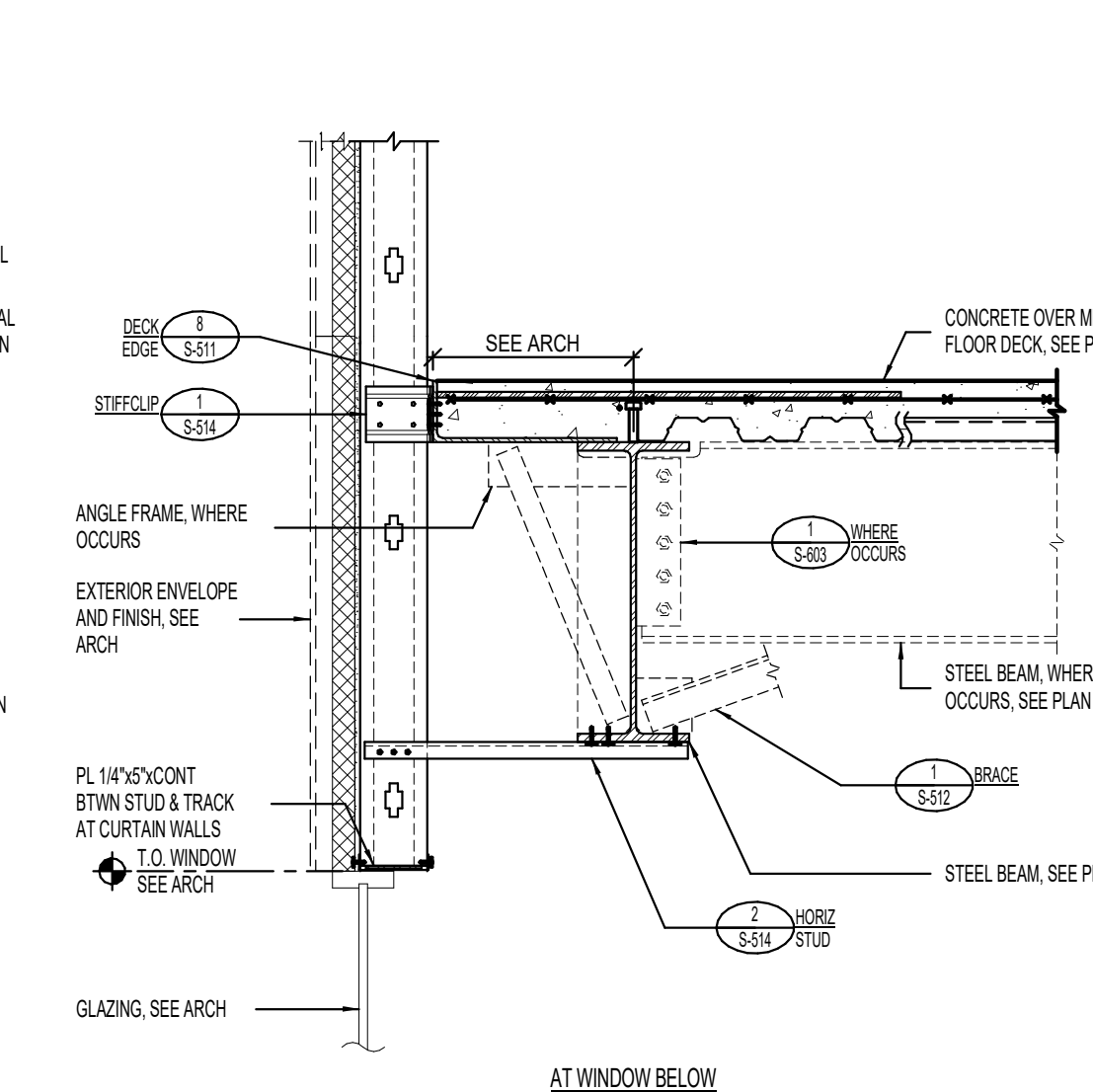
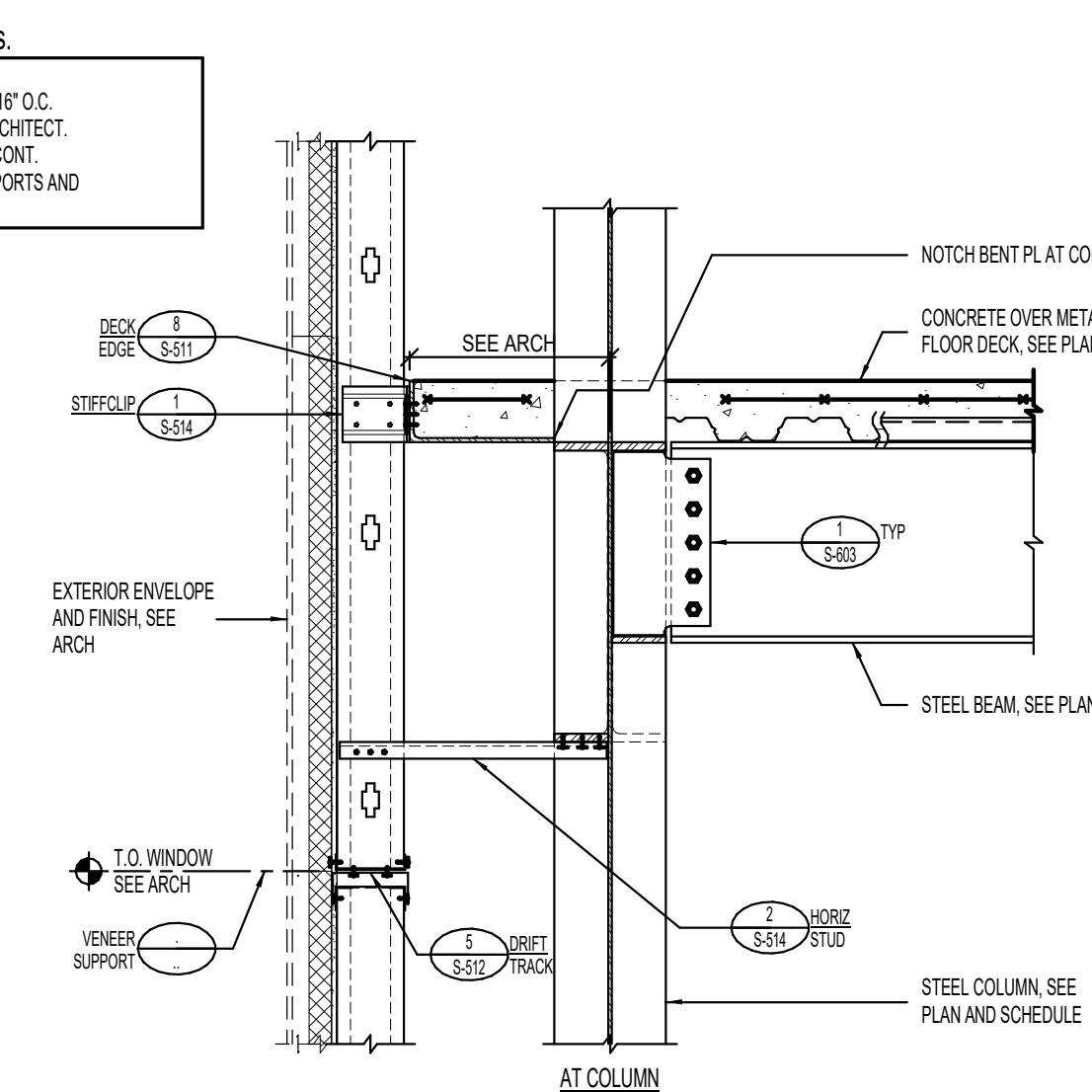
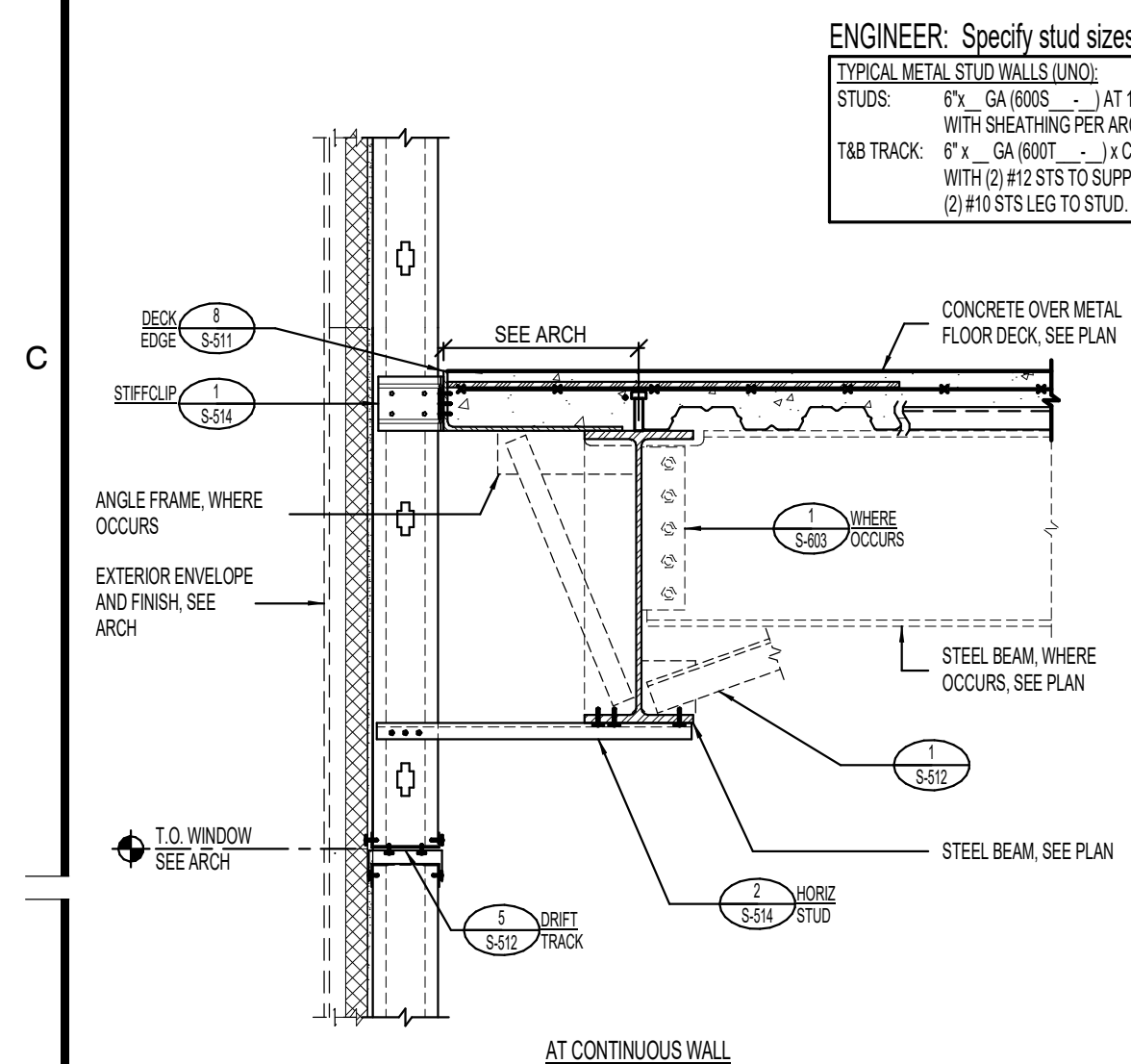


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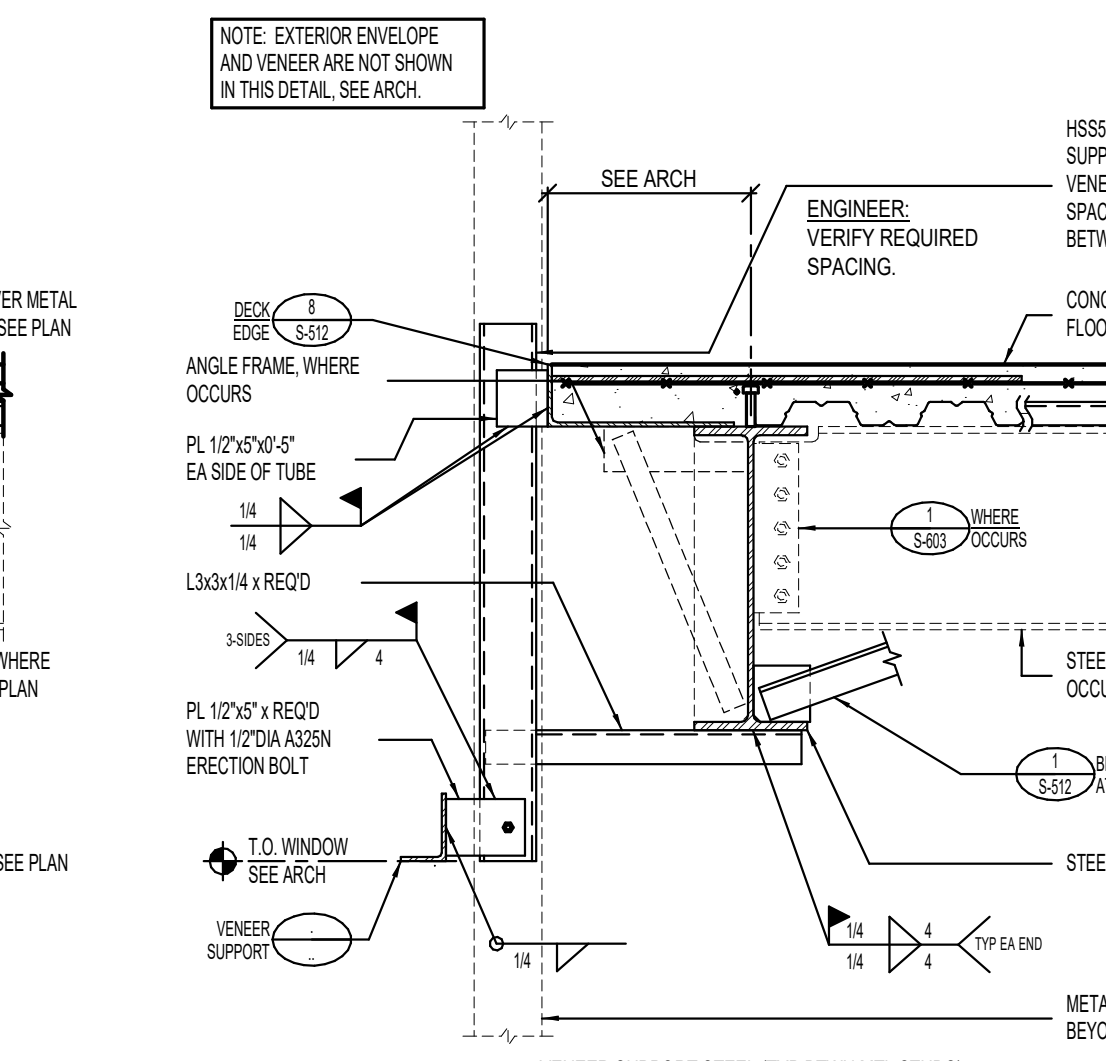
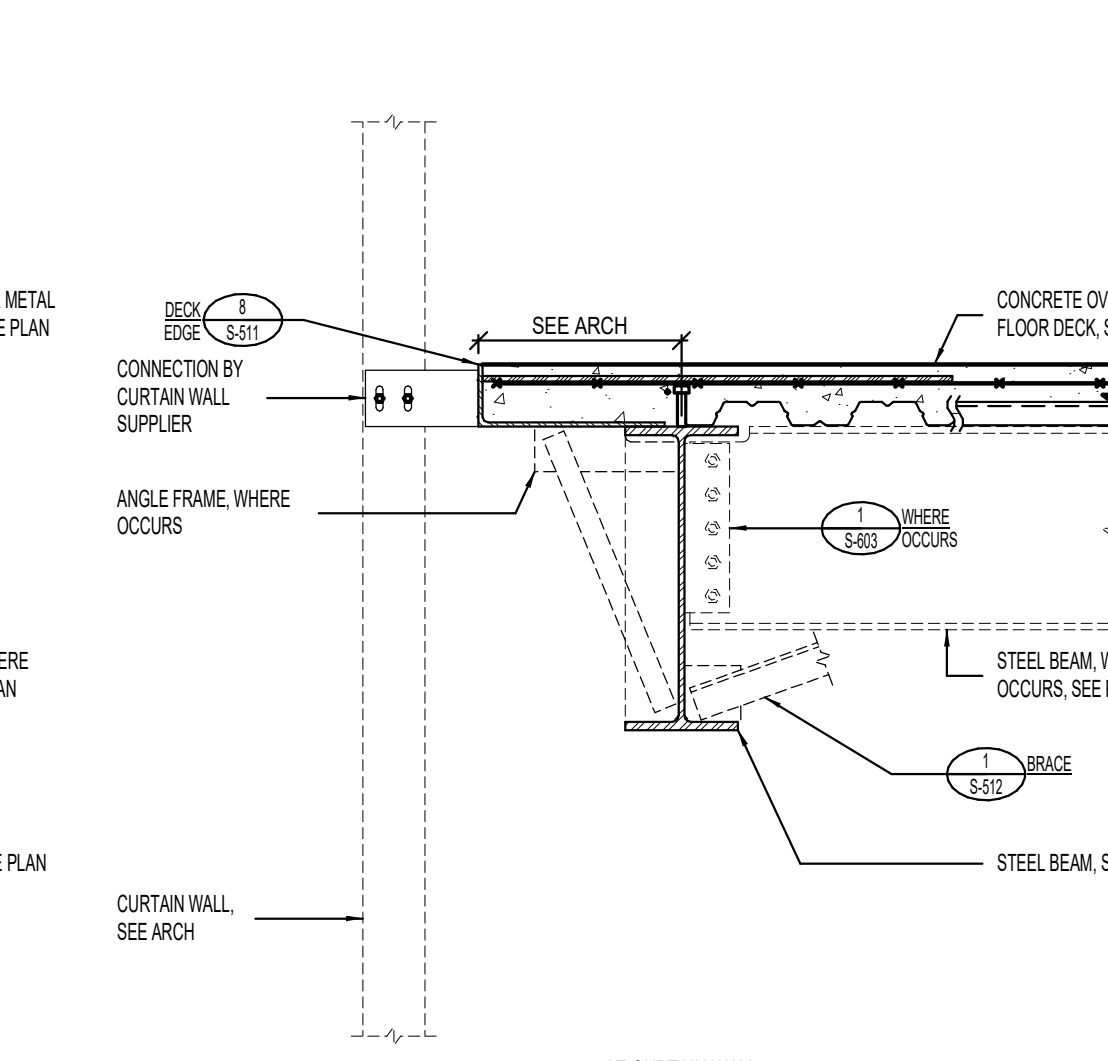
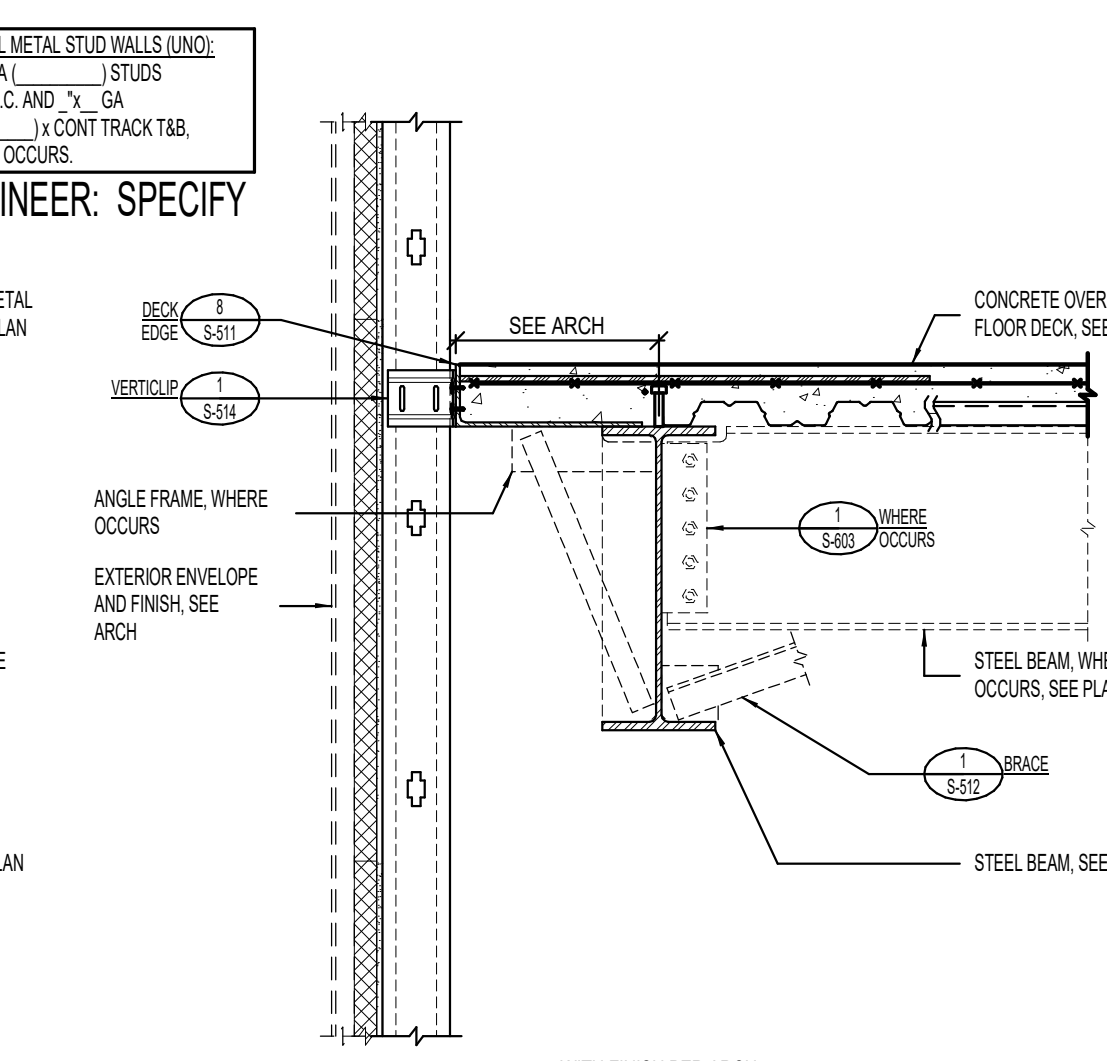
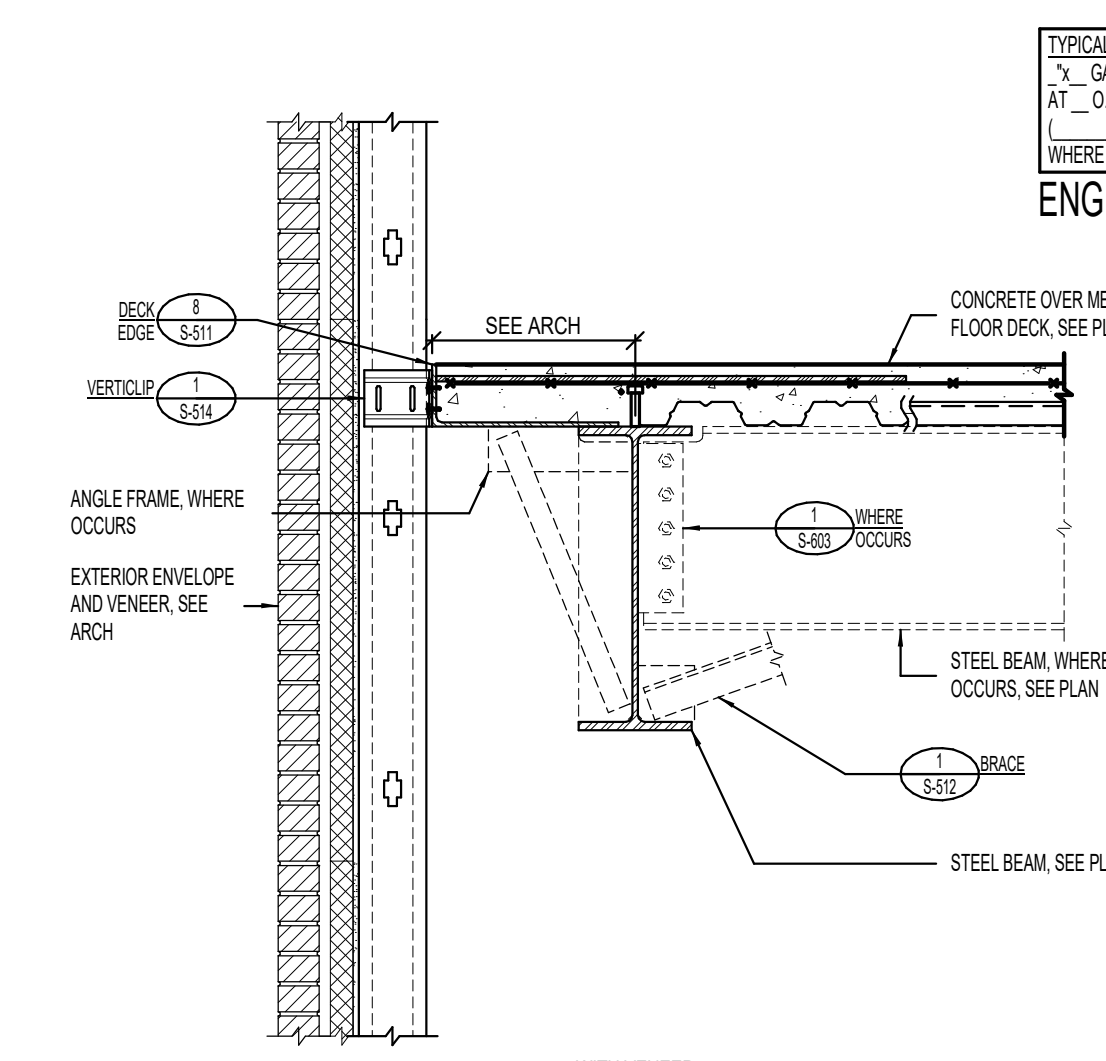
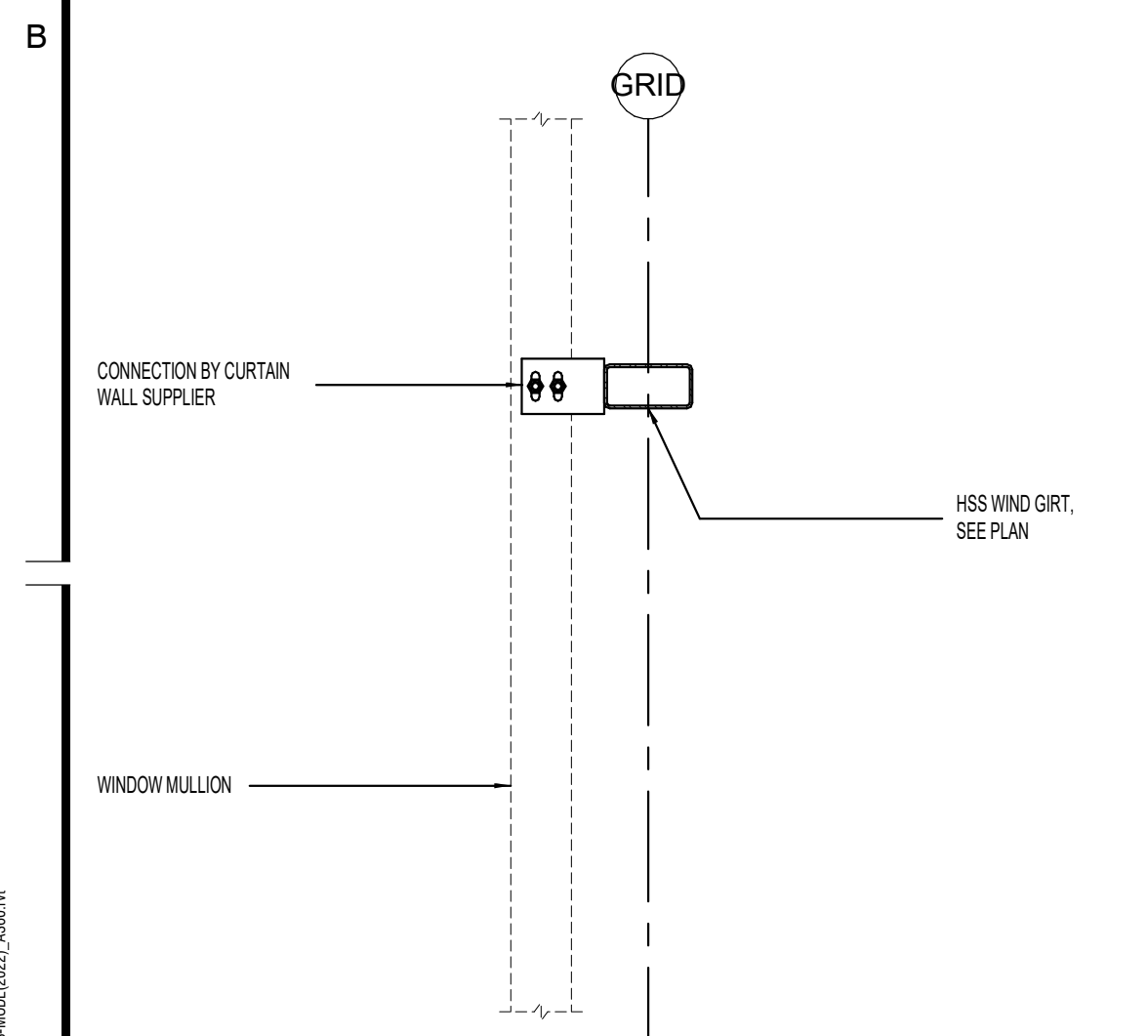
1 TYPICAL EXTERIOR METAL STUD WALL AT FLOOR DECK WITH VENEER

NO SCALE



2 TYPICAL EXTERIOR METAL STUD WALL AT FLOOR DECK WITH ARCHITECTURAL FINISHES

NO SCALE



3 TYPICAL WIND GIRT DETAIL

4 TYPICAL EXTERIOR METAL STUDS AT FLOOR DECK

5 TYPICAL EXTERIOR METAL STUD WALL AT FOUR DECK WITH VENEER

NO SCALE

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3/30/2022 1:10:48 PM Autodesk Docs: 1812259 - North Logan City - Civic Center/20074_S-514.DWG (2022)_A.dwg

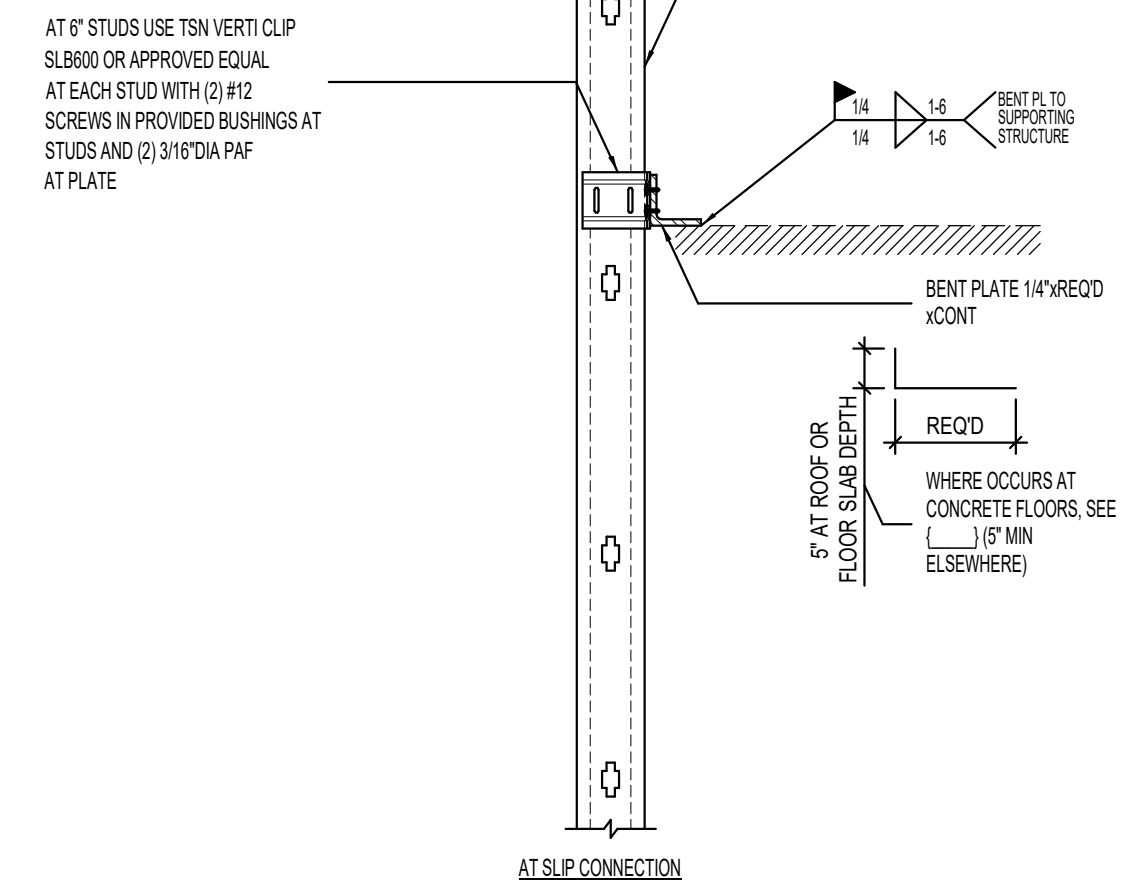
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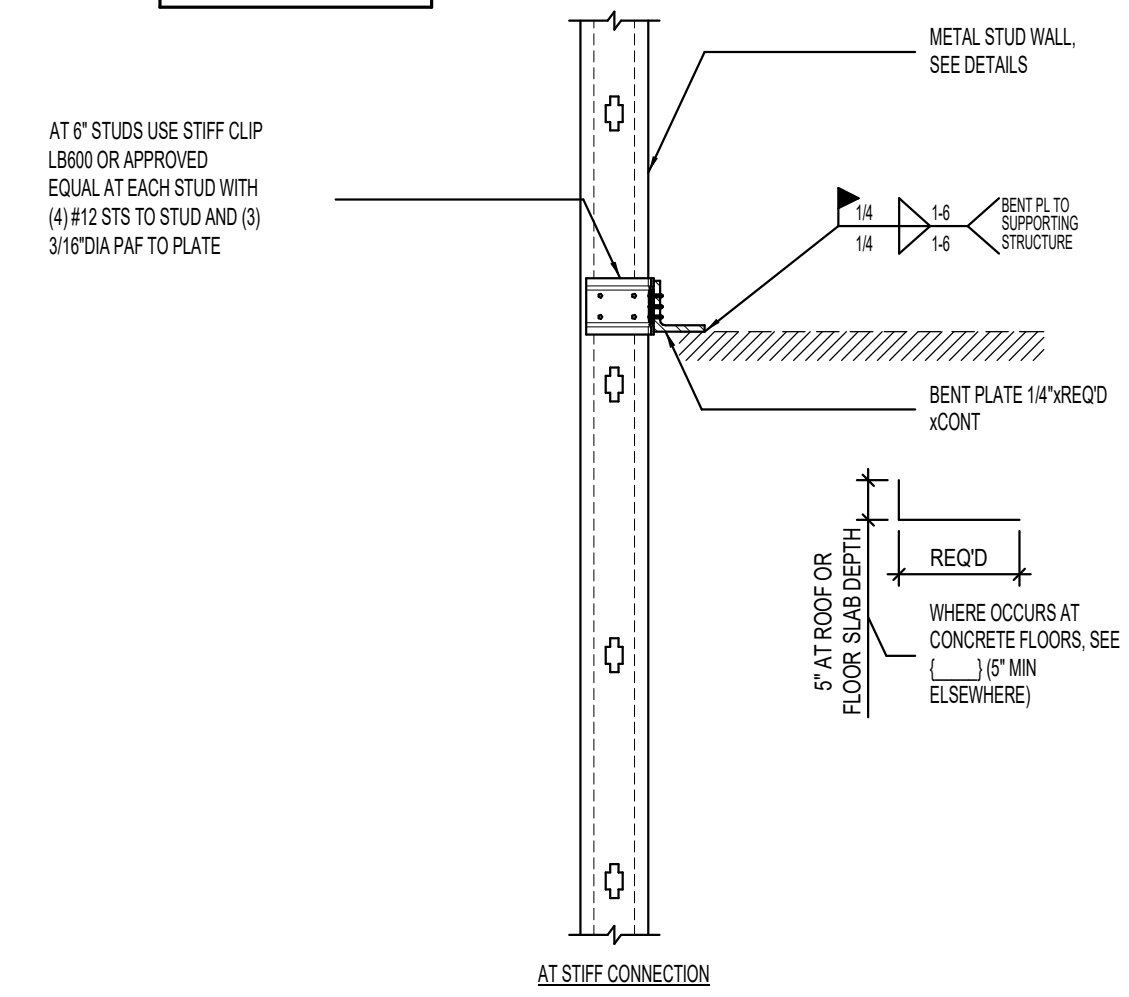
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NOTE: REFER TO SPECIFIC DETAILS FOR ORIENTATION OF VERTICAL LEG OF BENT PLATE



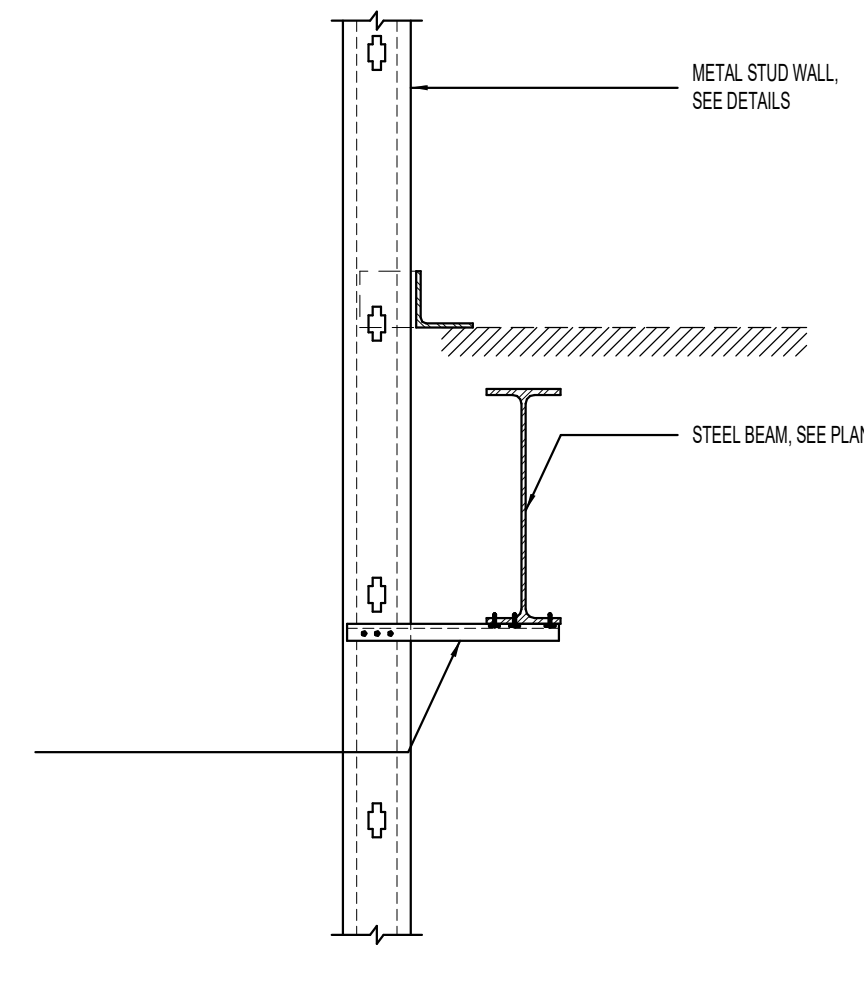
1 TYPICAL METAL STUD FRAMING TO DECK BEARING ANGLE ATTACHMENT

NOTE: REFER TO SPECIFIC DETAILS FOR ORIENTATION OF VERTICAL LEG OF BENT PLATE

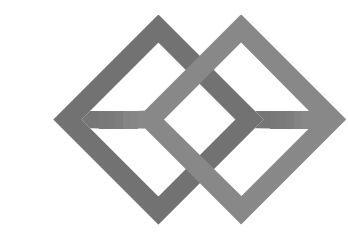


2 TYPICAL METAL STUD FRAMING TO DECK BEARING ANGLE ATTACHMENT

METAL STUD BRACE TO MATCH WALL AT EACH STUD WITH (3) PAF AT STEEL BEAM AND (3) #12 STS INTO STUD



2 TYPICAL METAL STUD FRAMING TO DECK BEARING ANGLE ATTACHMENT



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SALT LAKE CITY, UT 84103
255 SOUTH 300 WEST
795 NORTH 400 WEST

NORTH LOGAN CITY - CIVIC CENTER
NORTH LOGAN, UT
NORTH LOGAN CITY

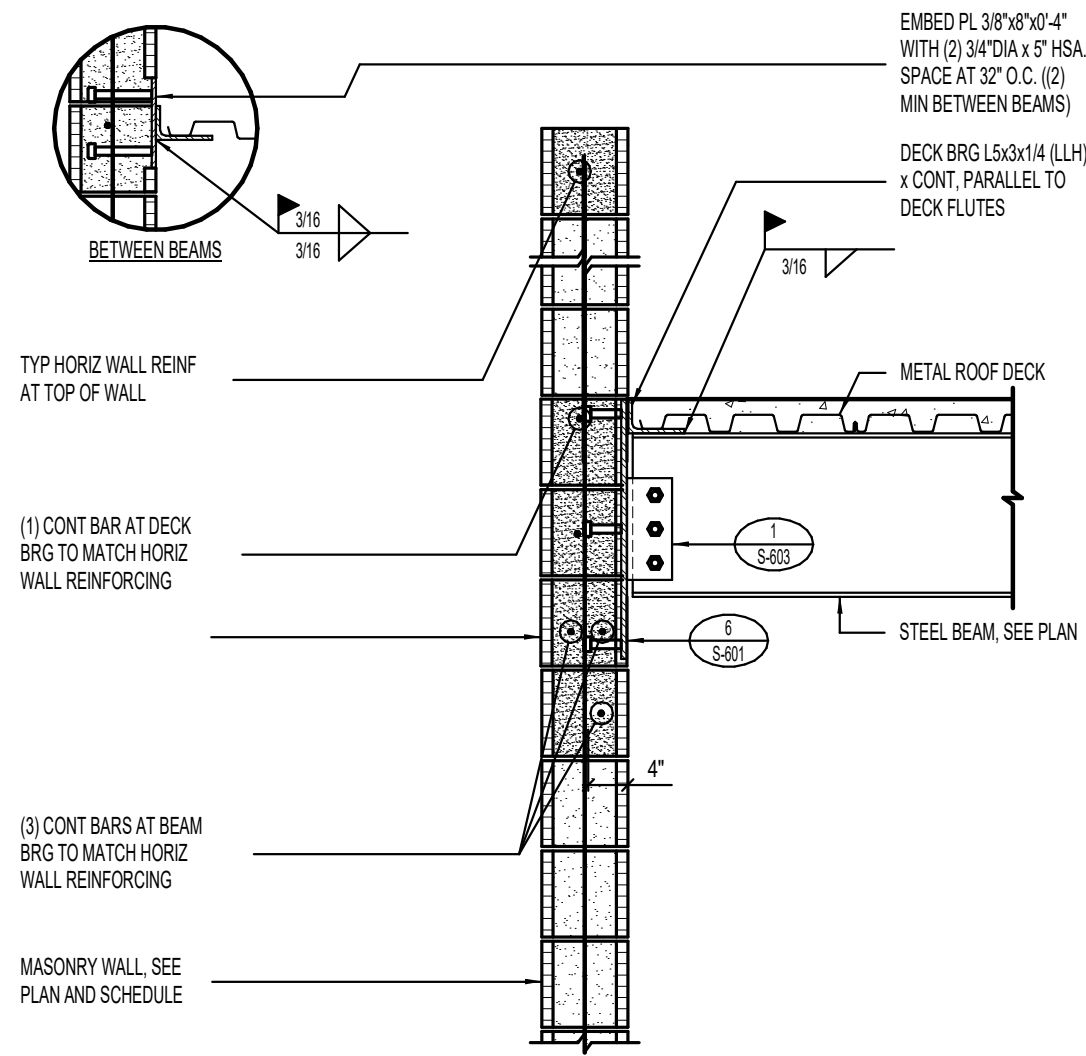
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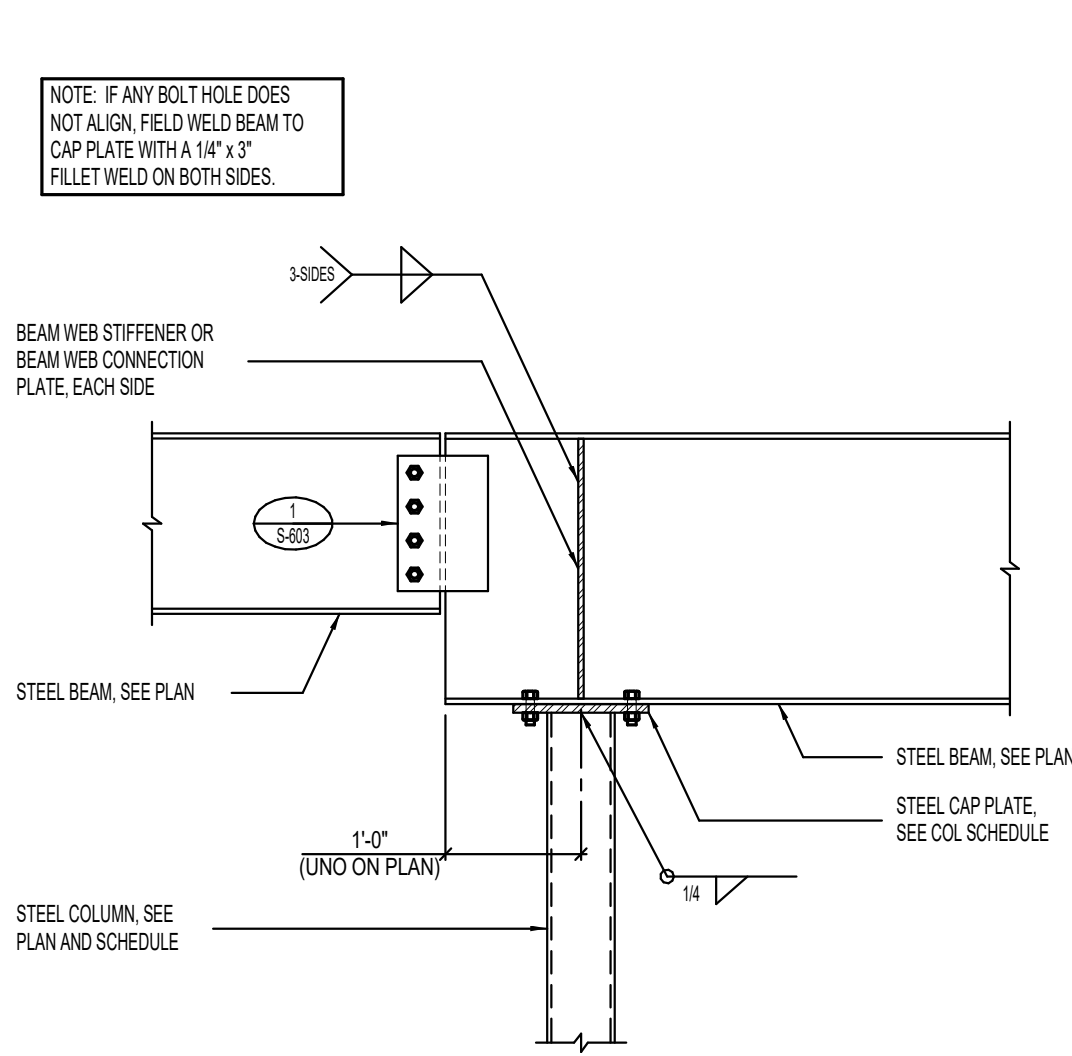
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S-514

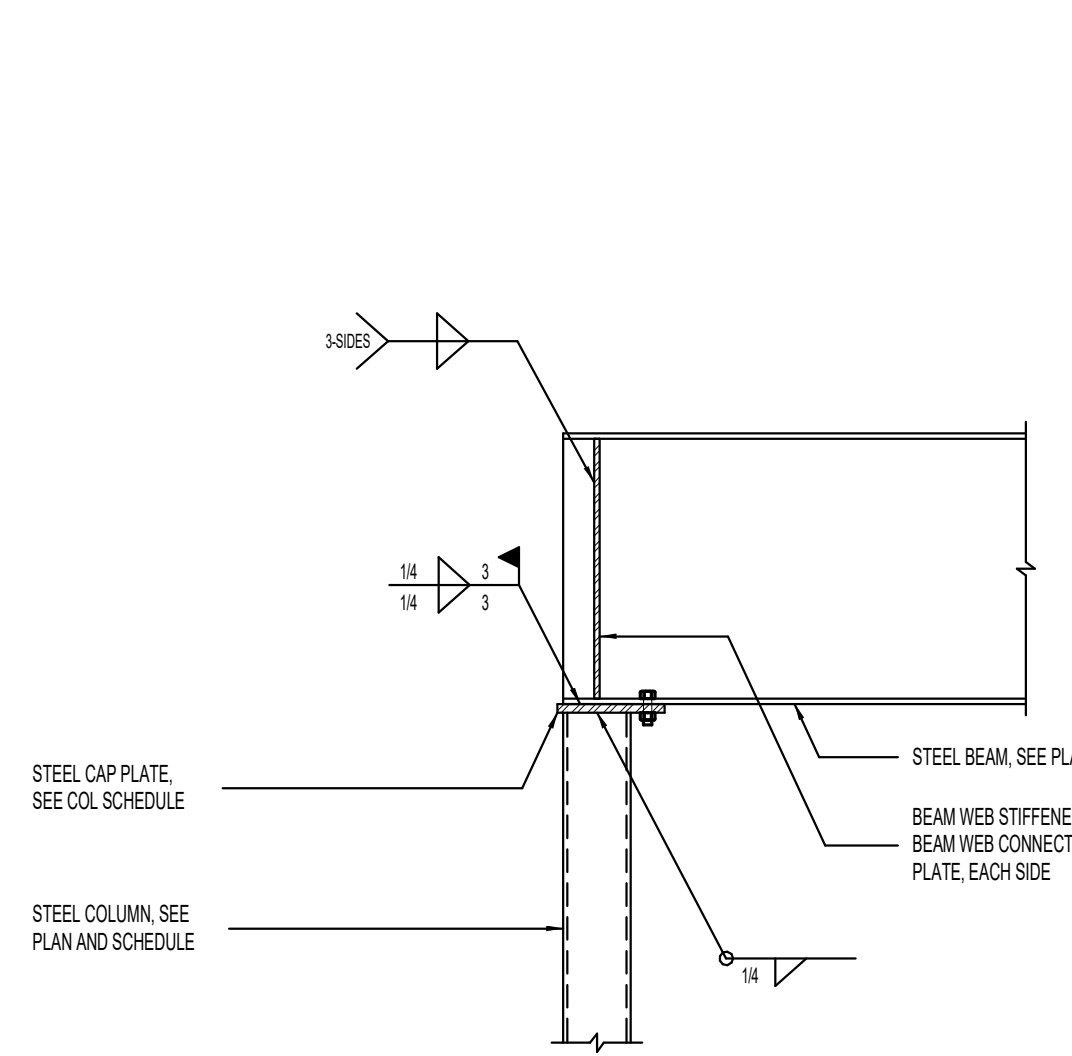
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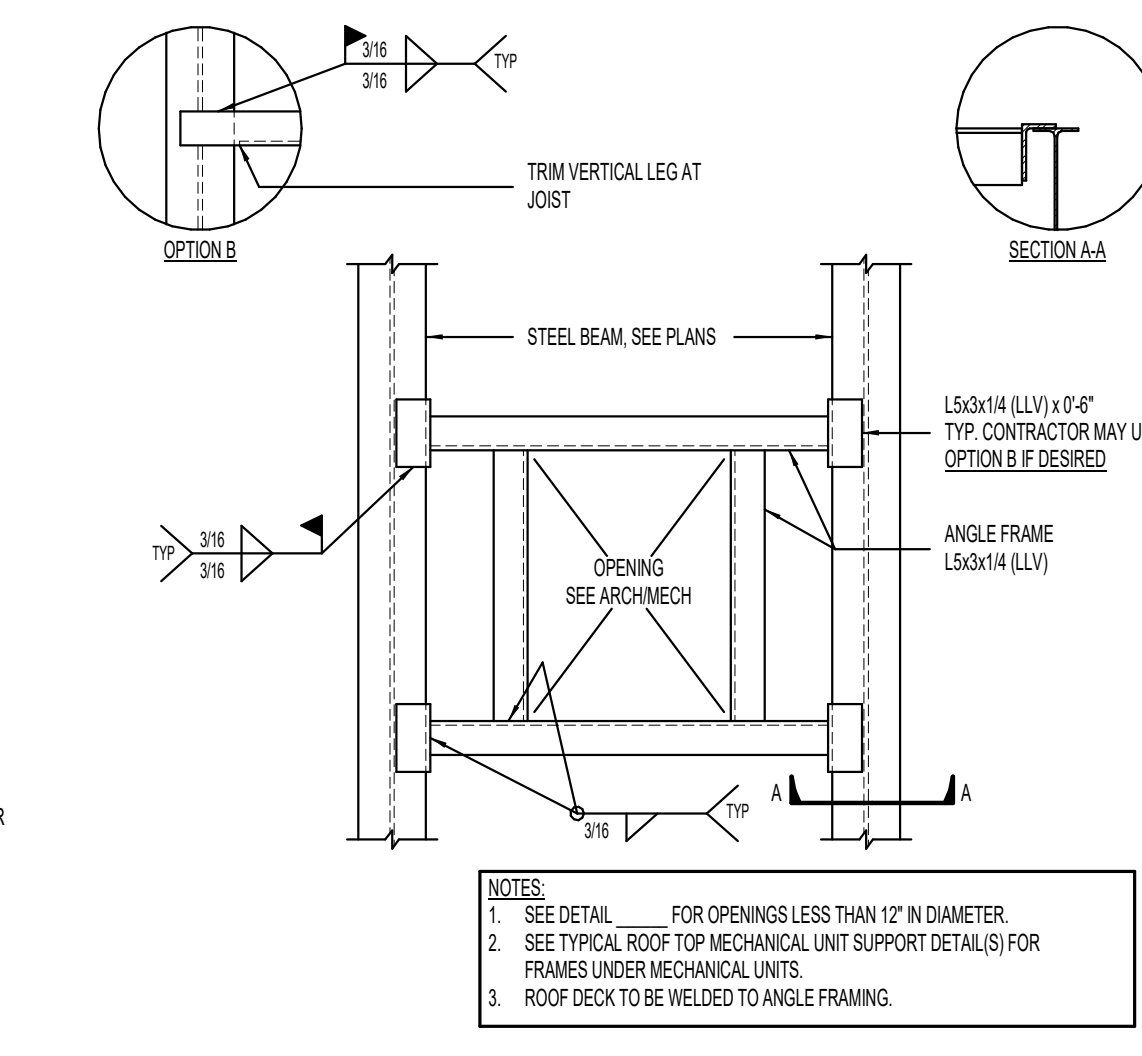
1 TYPICAL STEEL BEAM/DECK BEARING DETAIL AT MASONRY WALL



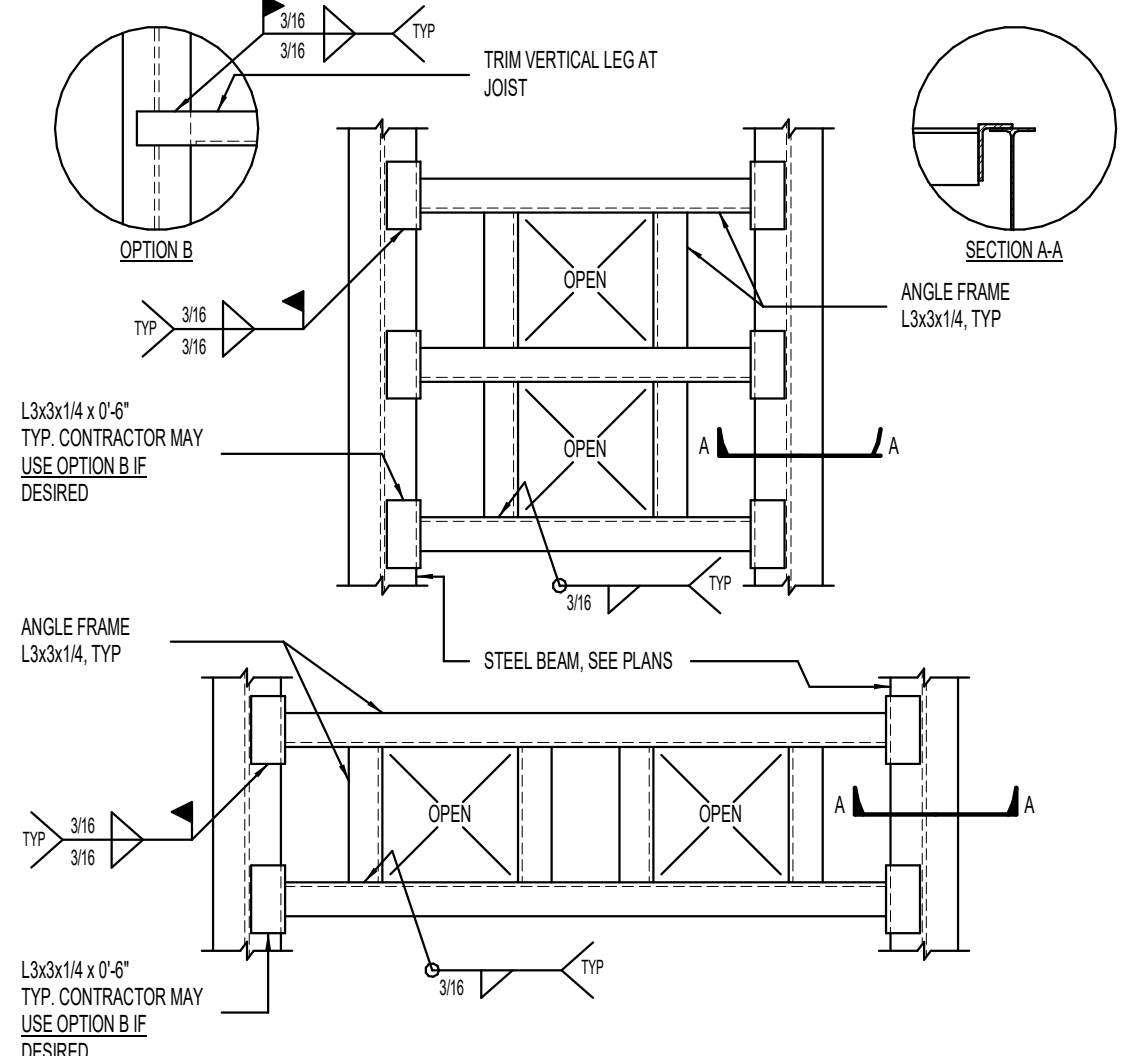
2 TYPICAL DROP-IN STEEL BEAM CONNECTION AT STEEL COLUMN



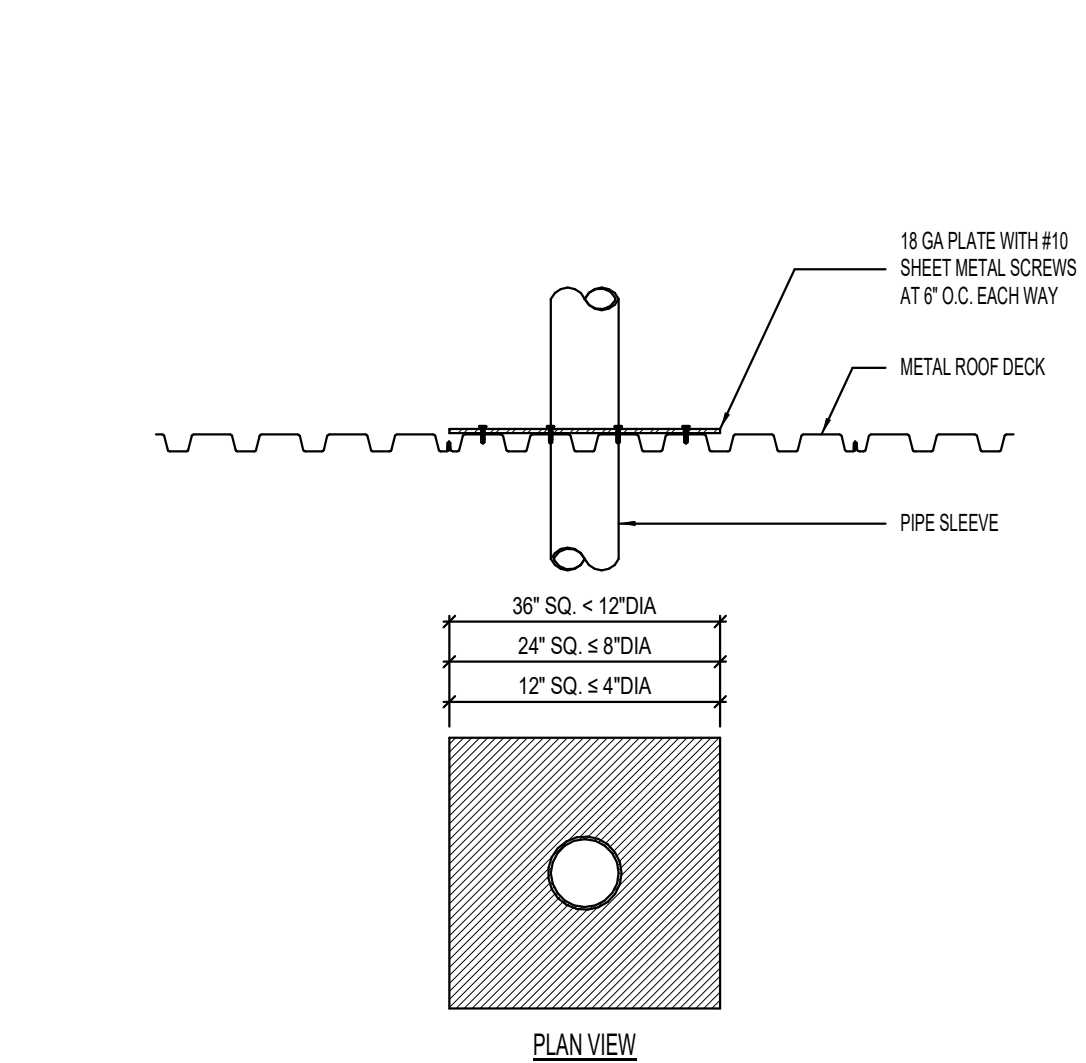
3 TYPICAL STEEL BEAM BEARING AT STEEL COLUMN



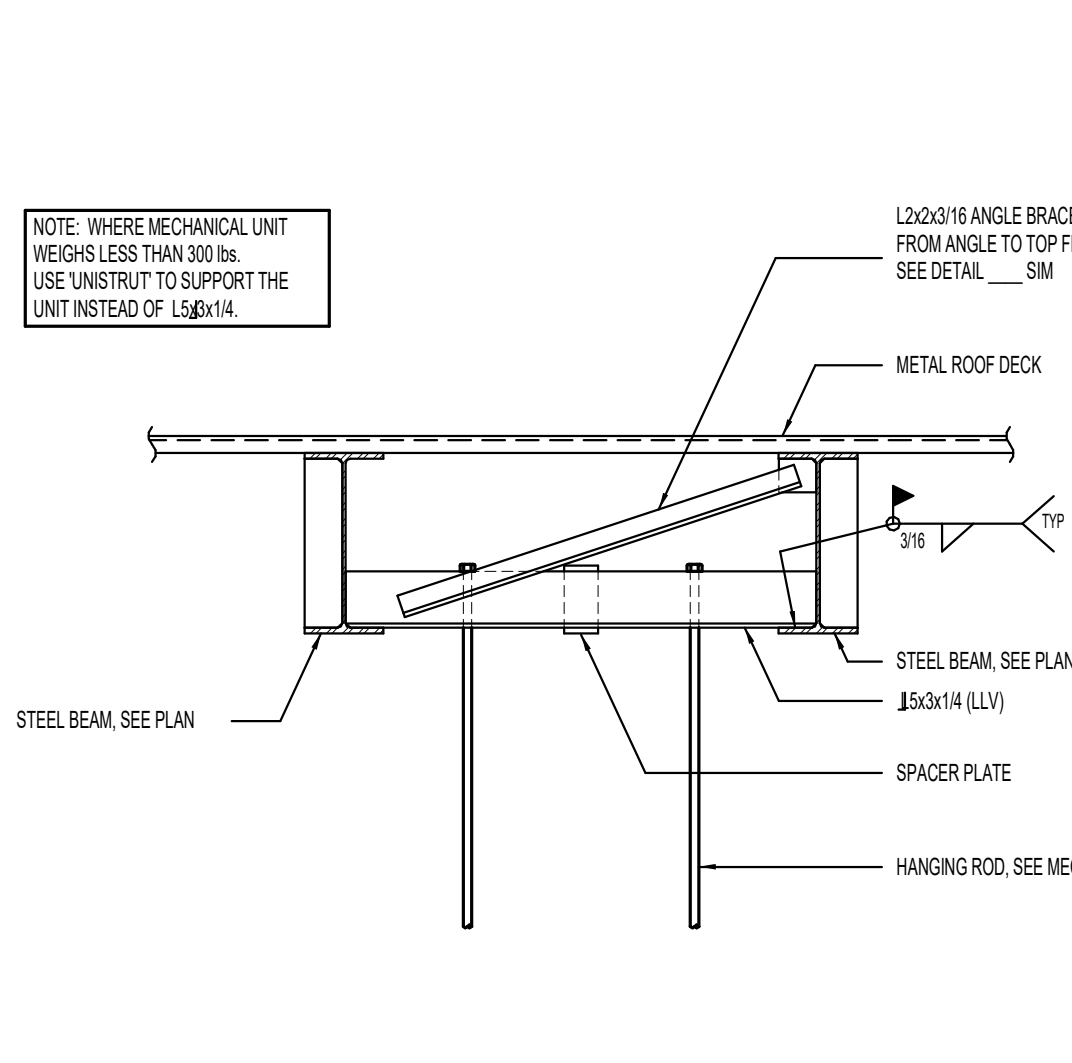
4 TYPICAL ROOF OPENING DETAIL [PLAN VIEW]



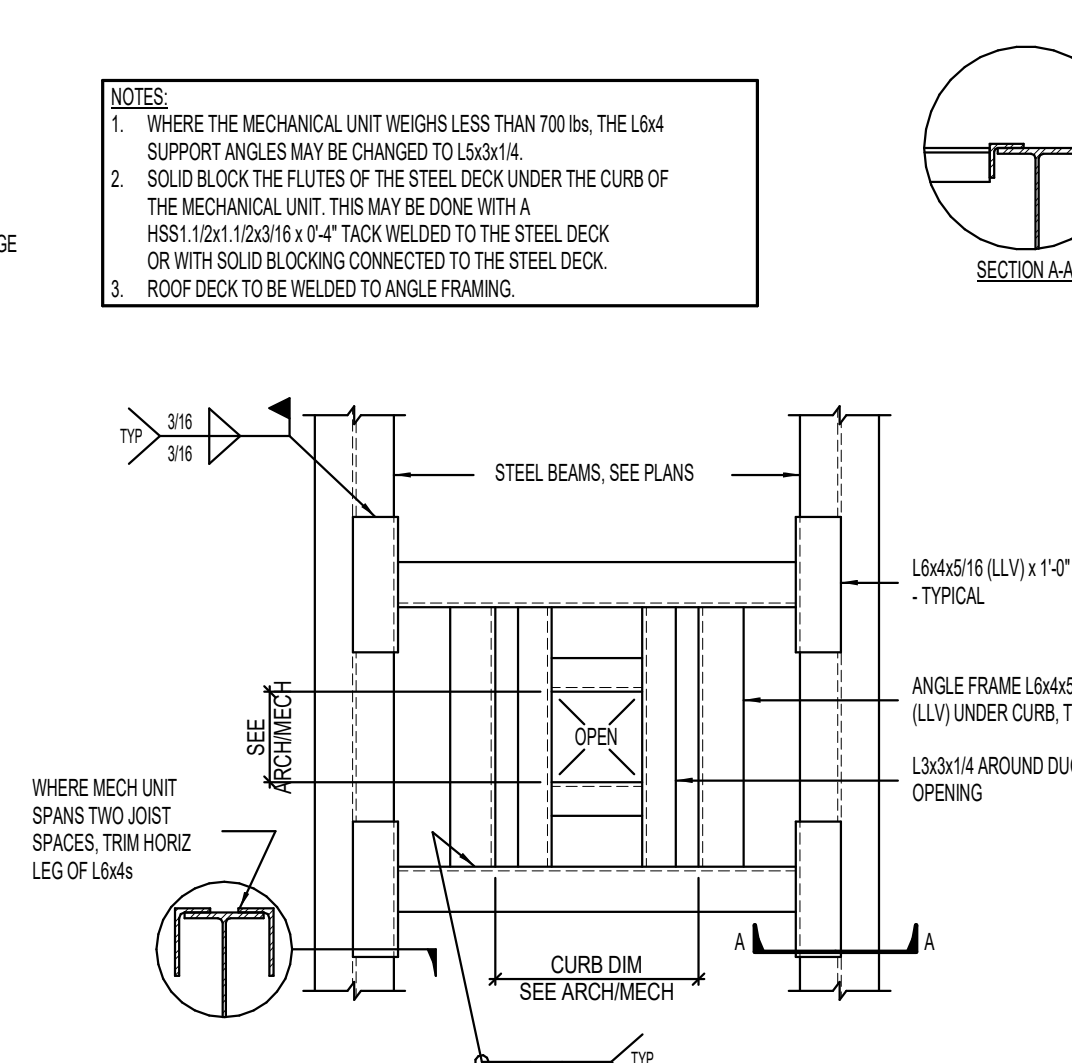
5 TYPICAL ROOF DRAIN SUPPORT DETAIL [PLAN VIEW]



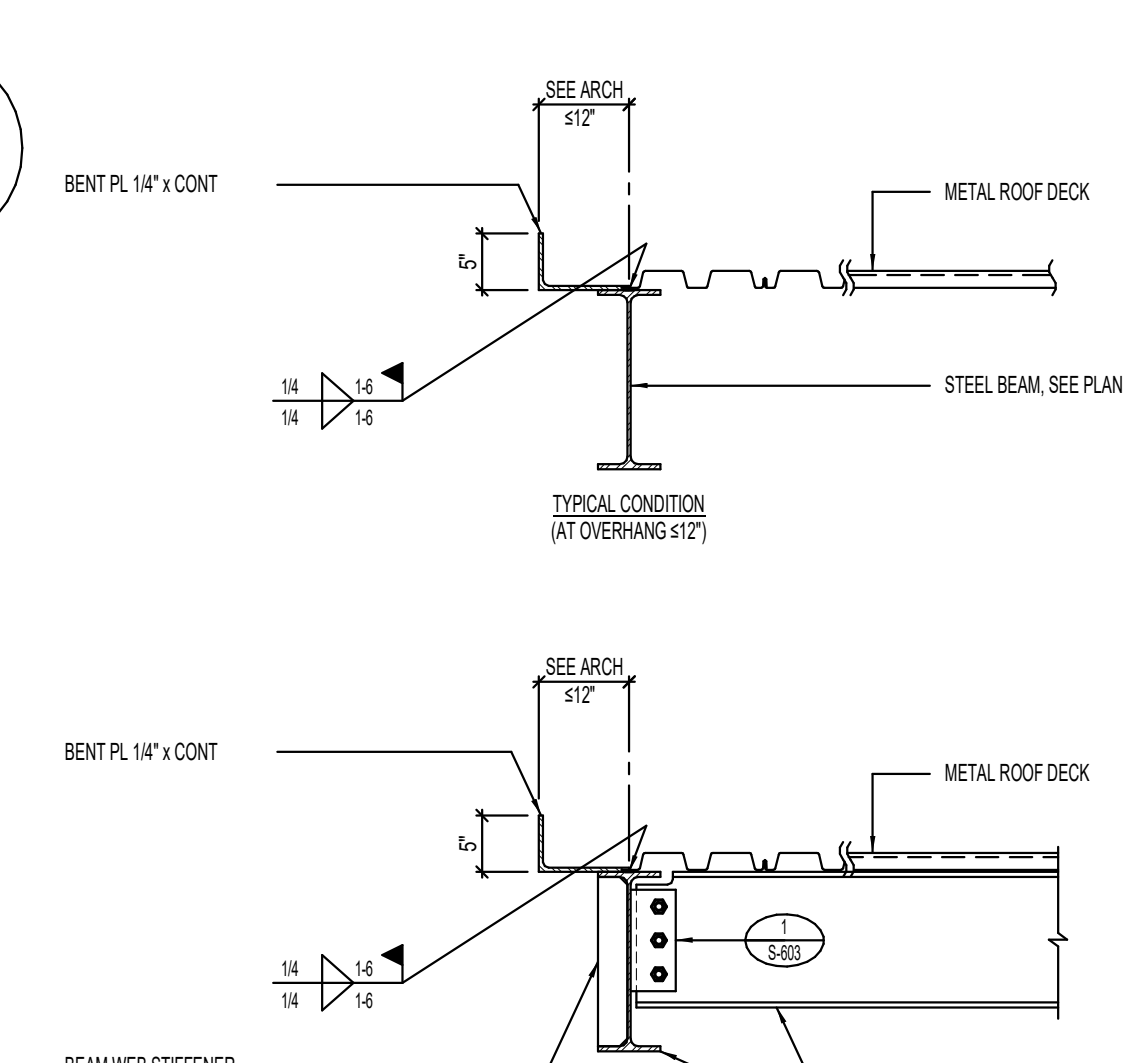
6 TYPICAL PIPE SLEEVE THROUGH ROOF DECK



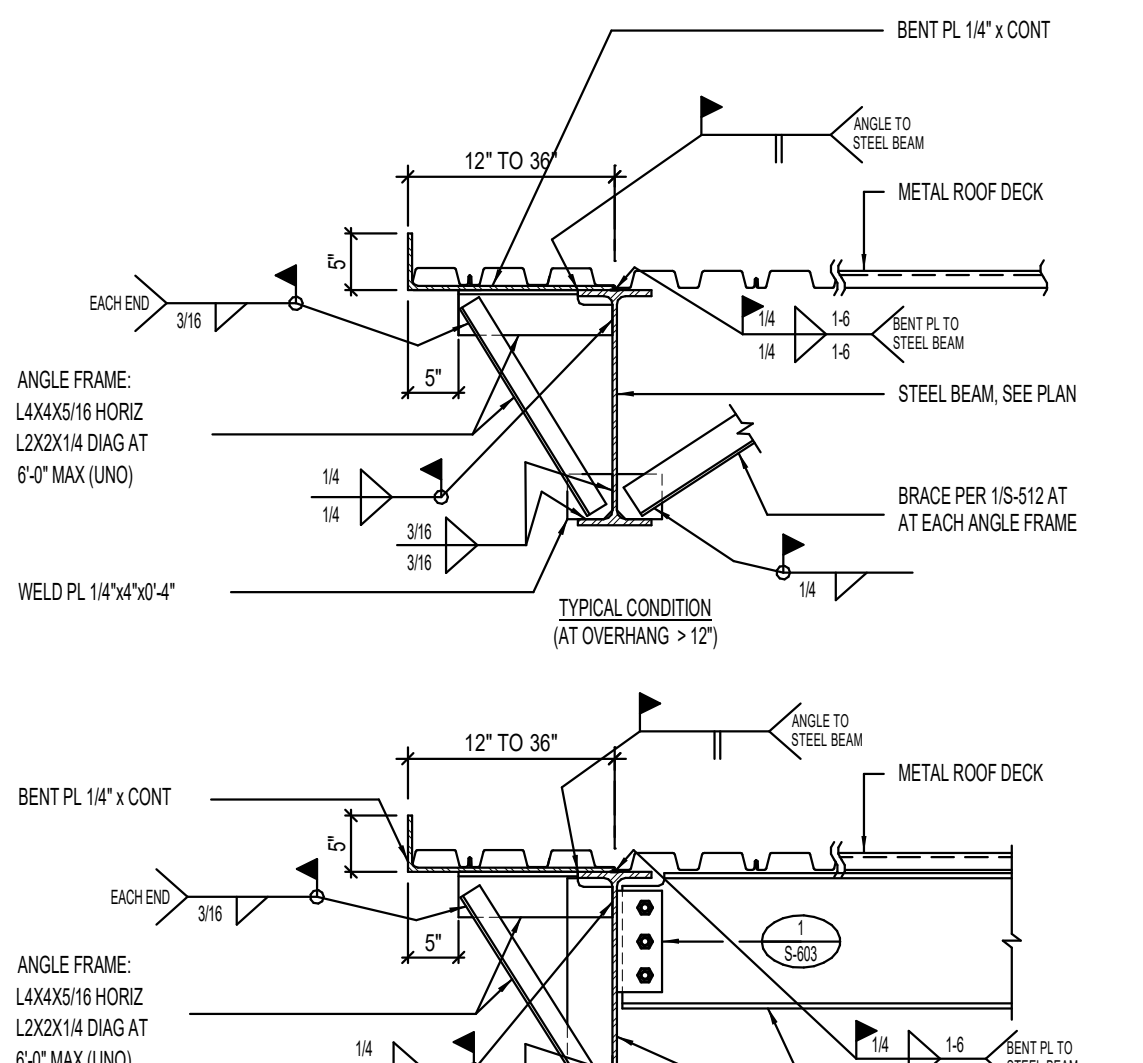
7 TYPICAL HANGING MECHANICAL UNIT SUPPORT DETAIL



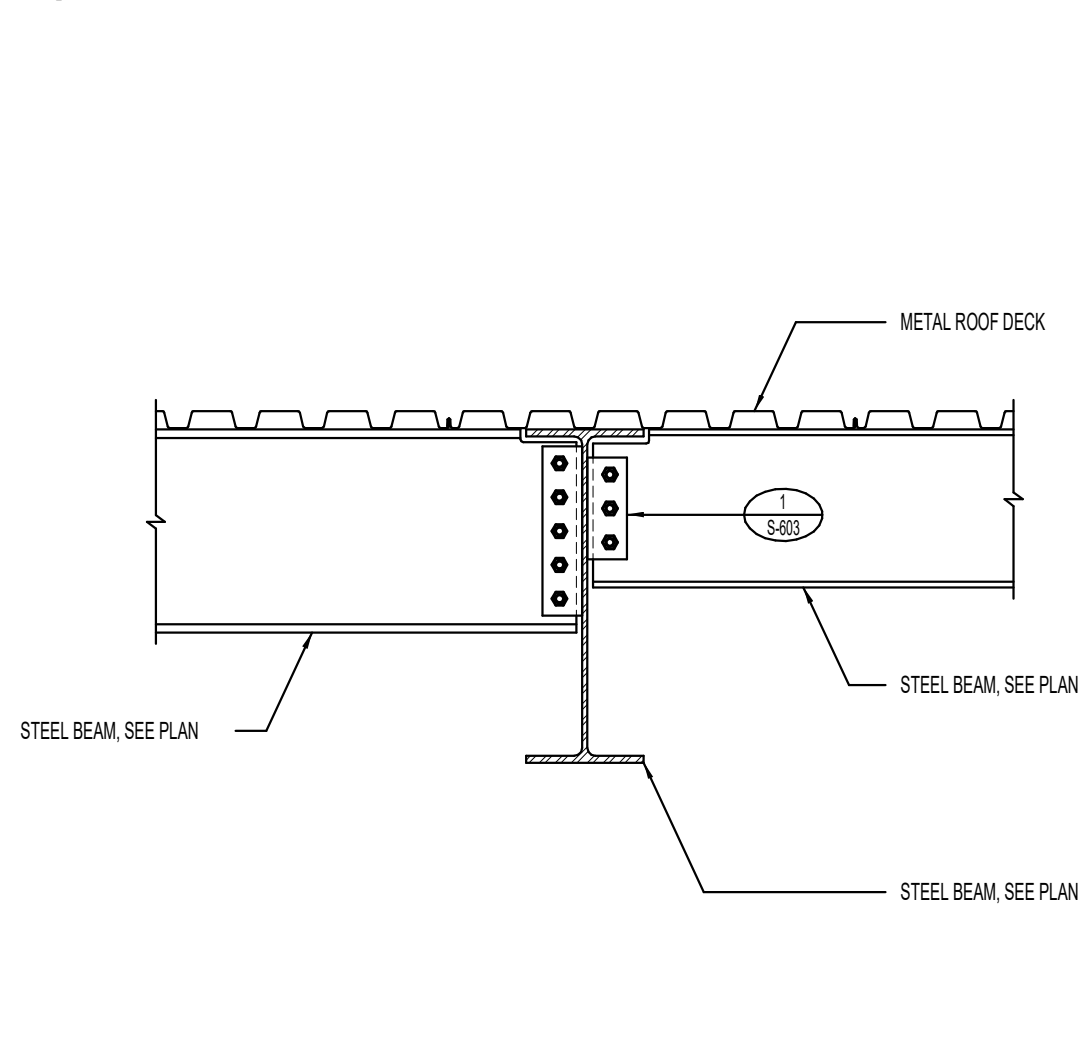
8 TYPICAL ROOF TOP MECHANICAL UNIT SUPPORT DETAIL [PLAN VIEW]



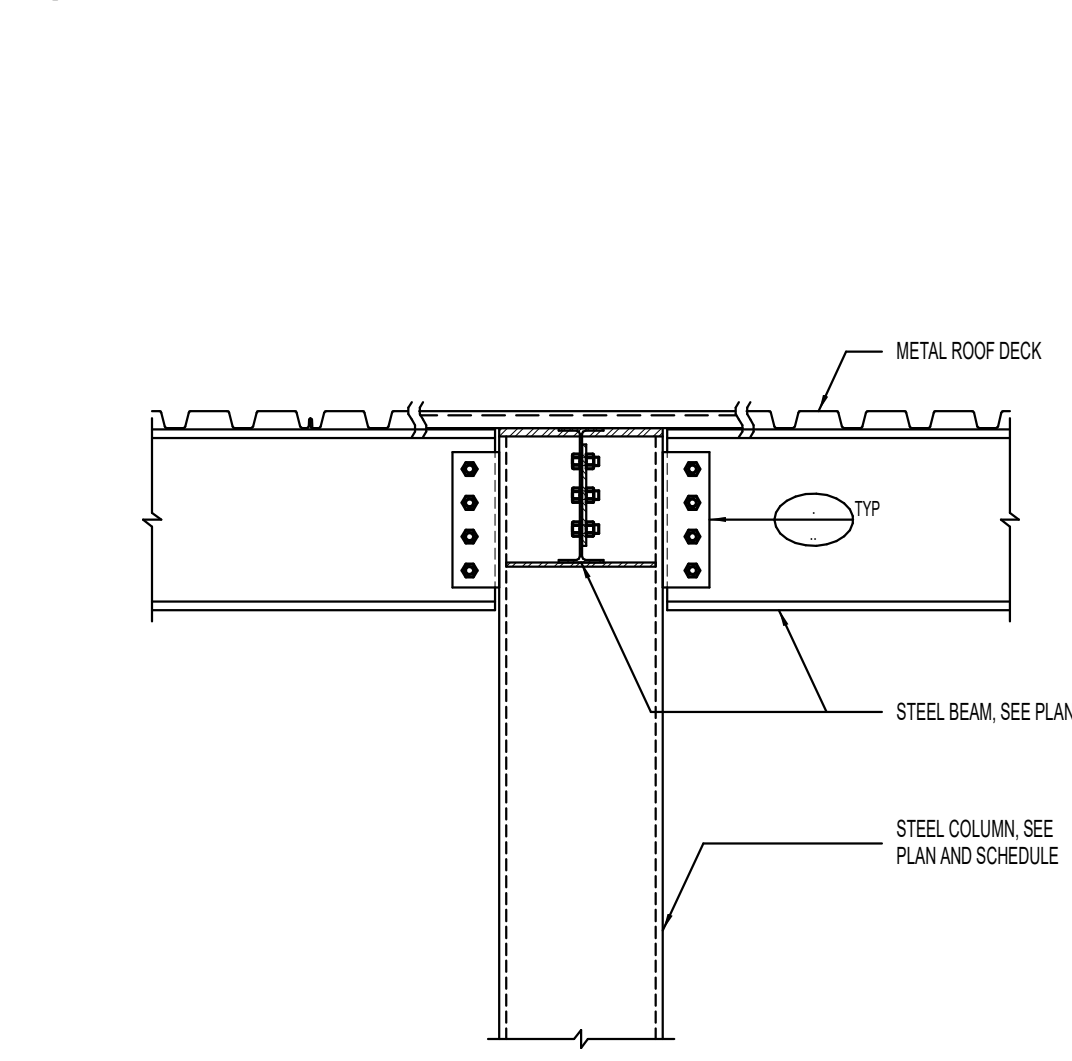
9 TYPICAL DECK EDGE DETAIL



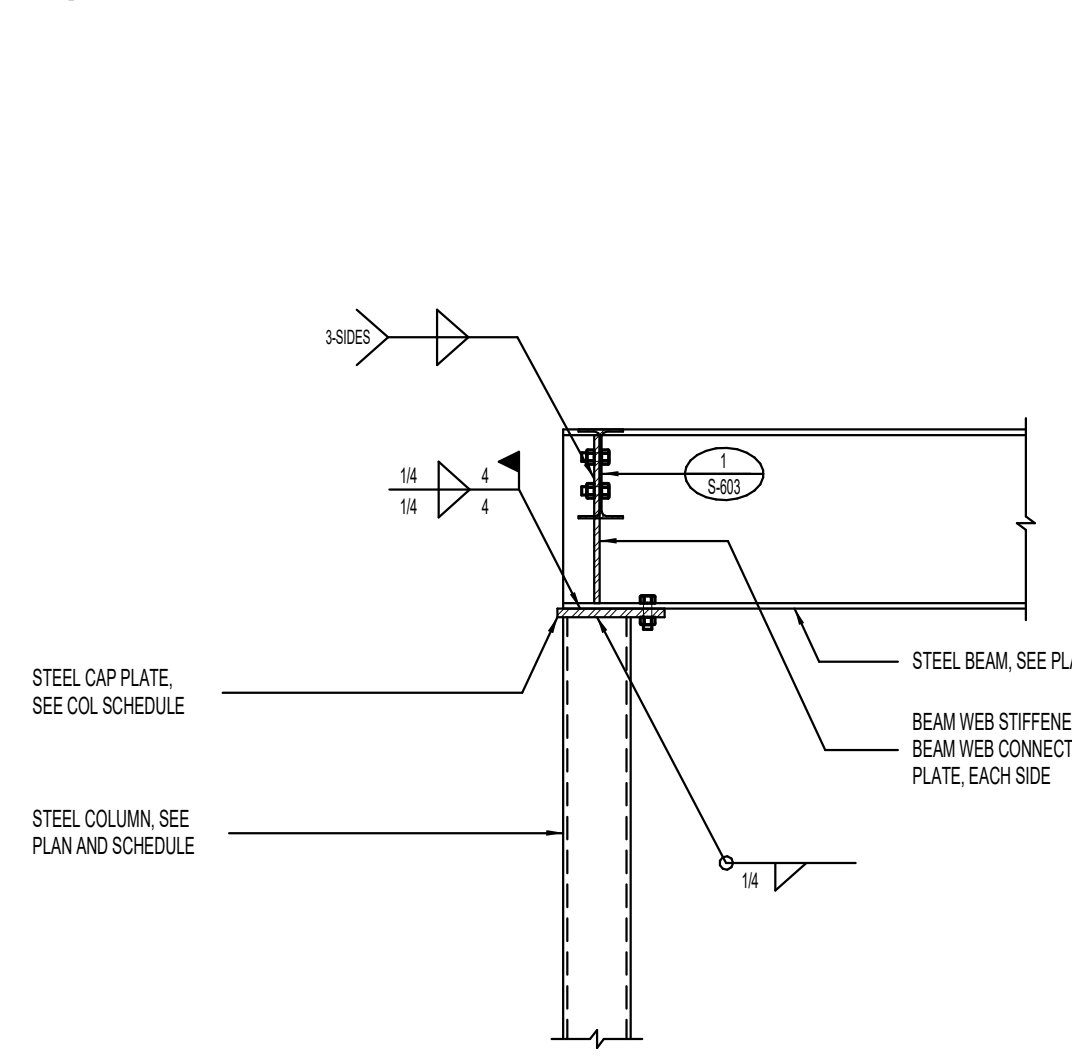
10 TYPICAL DECK EDGE DETAIL



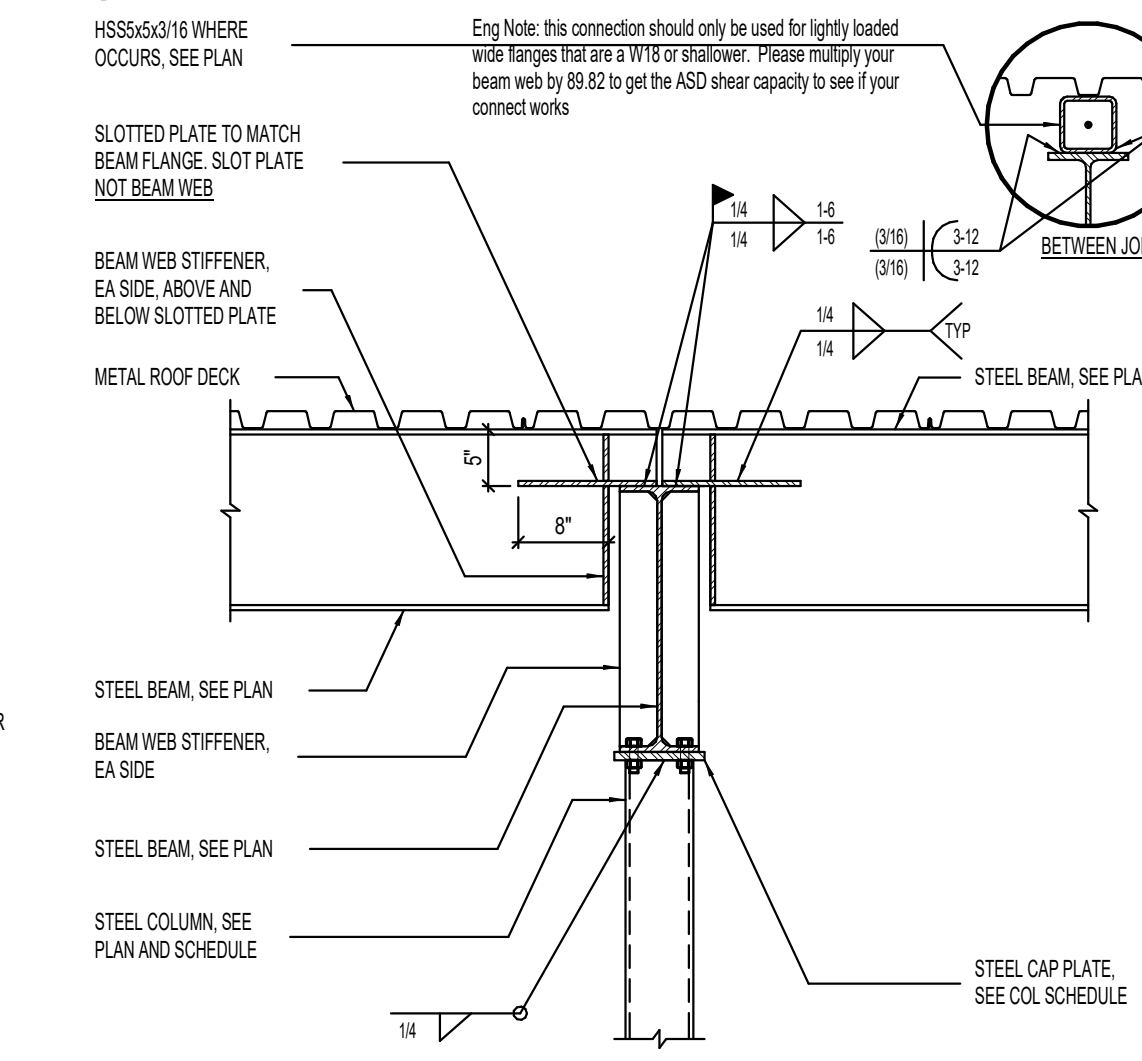
10 STEEL BEAM BEARING AT STEEL BEAM



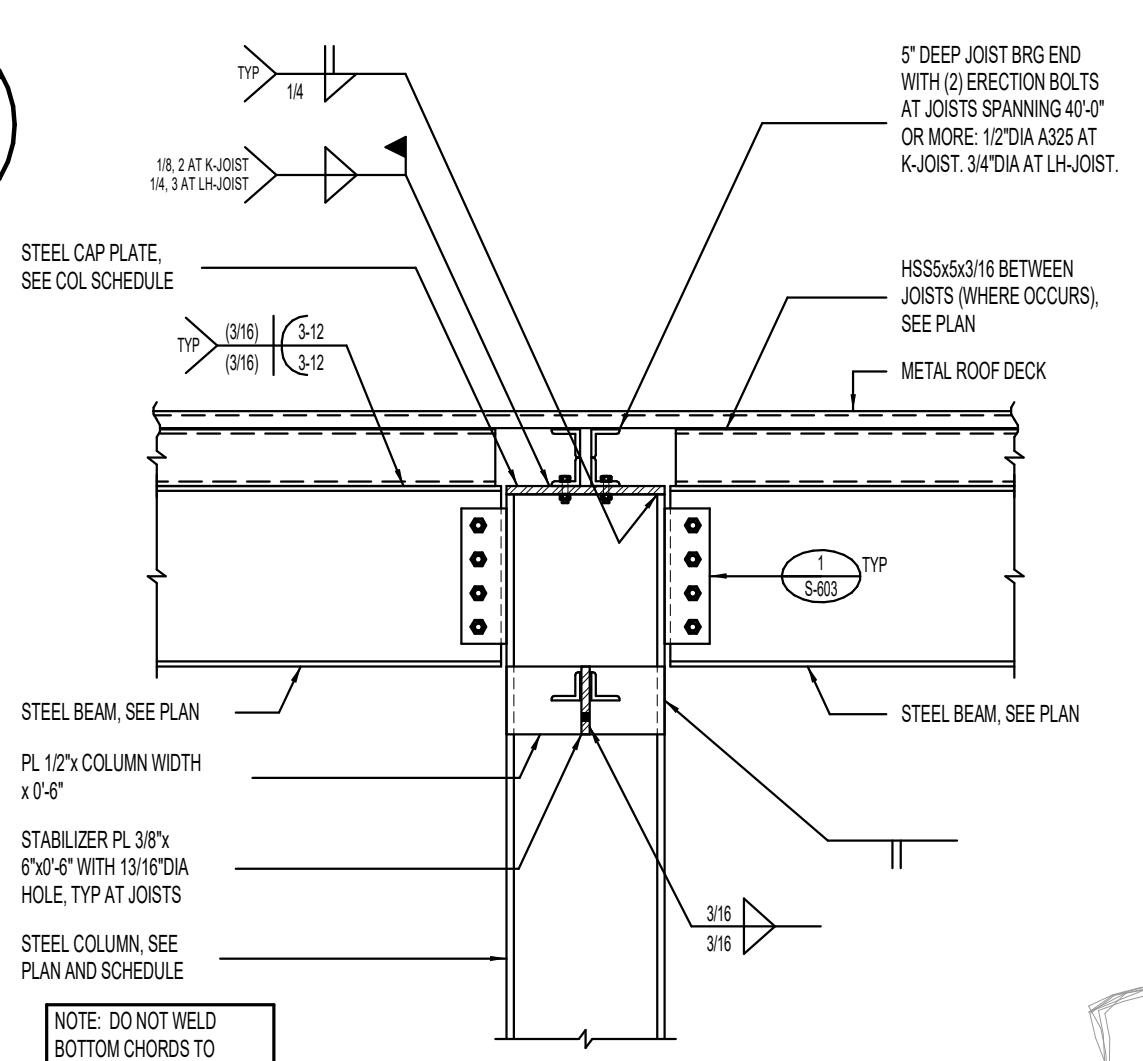
11 TYPICAL STEEL BEAM CONNECTION AT STEEL COLUMN



12 TYPICAL STEEL BEAM BEARING AT STEEL COLUMN



13 TYPICAL STEEL BEAMS BEARING AT STEEL BEAM



14 BEAM CONNECTION DETAIL AT STEEL COLUMN

DESCRIPTION:

MARK:

DATE:

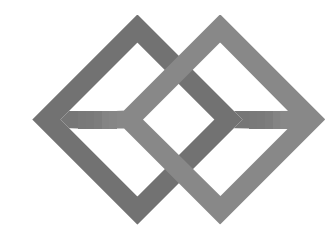
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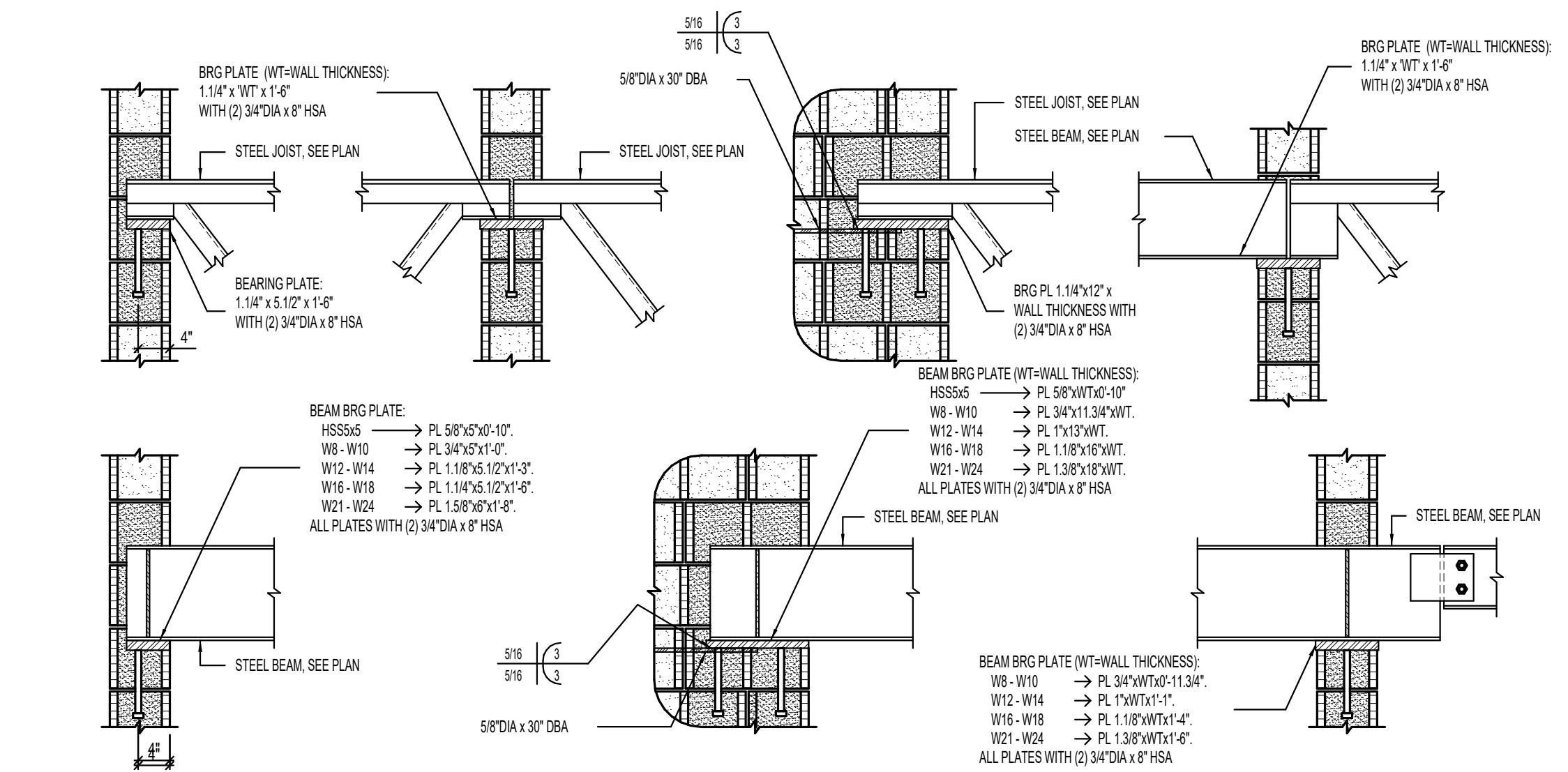
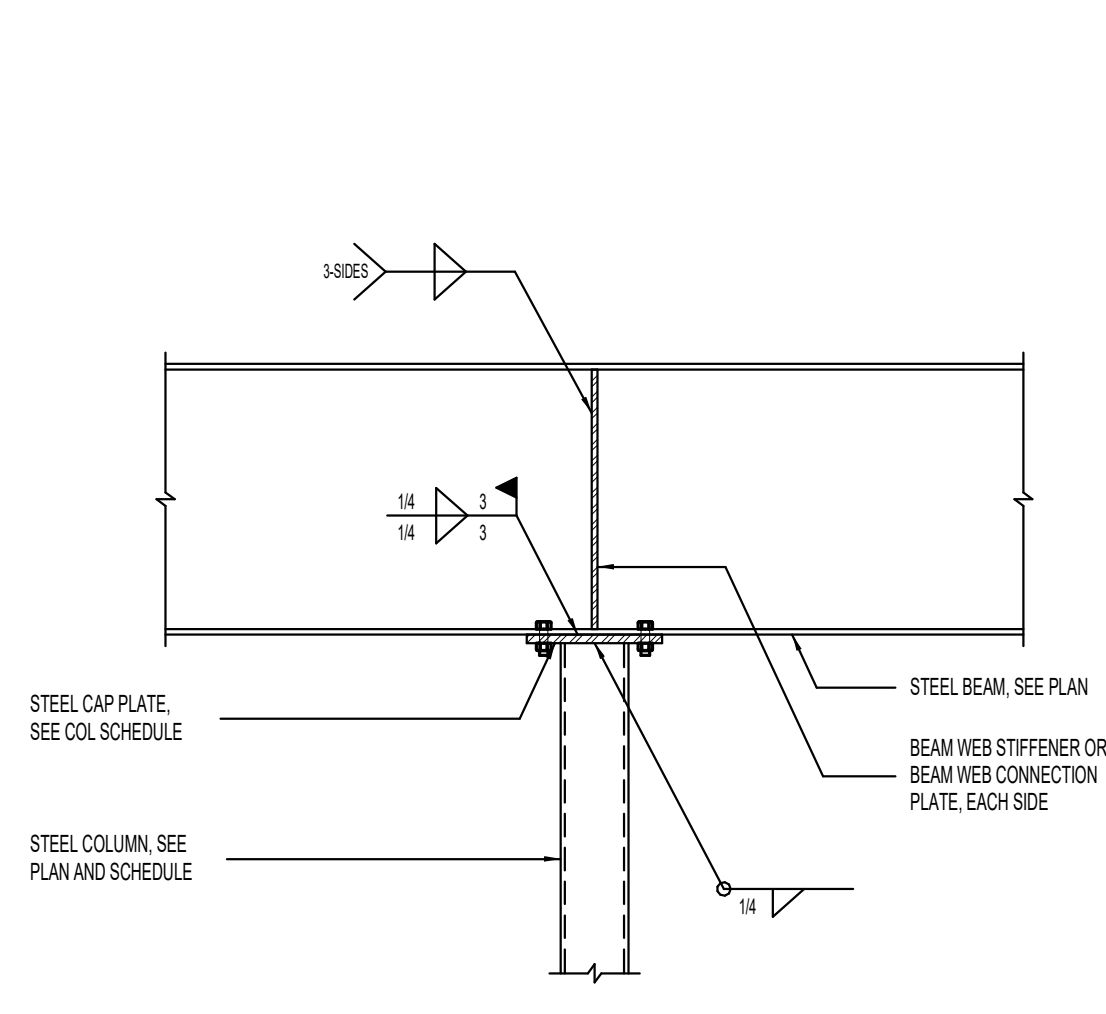
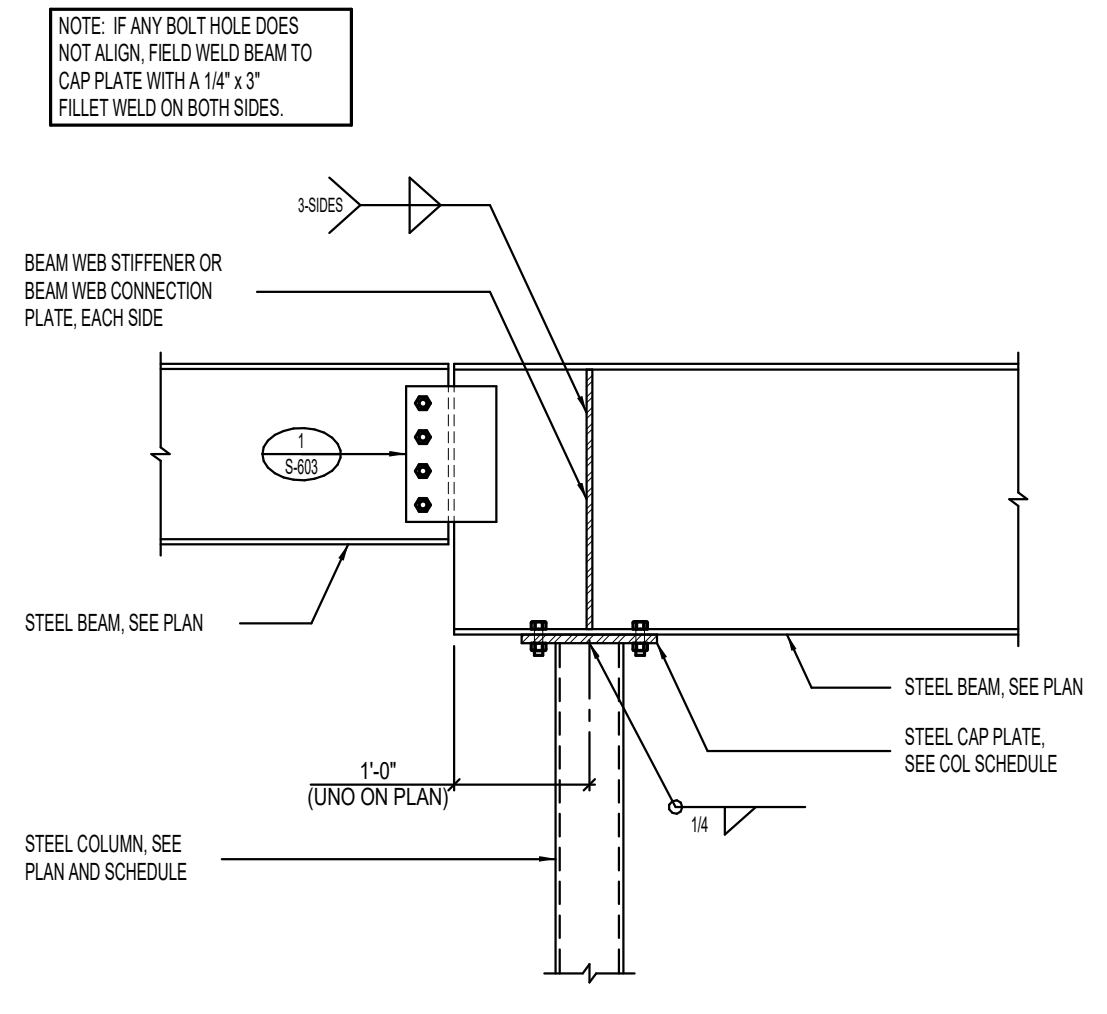
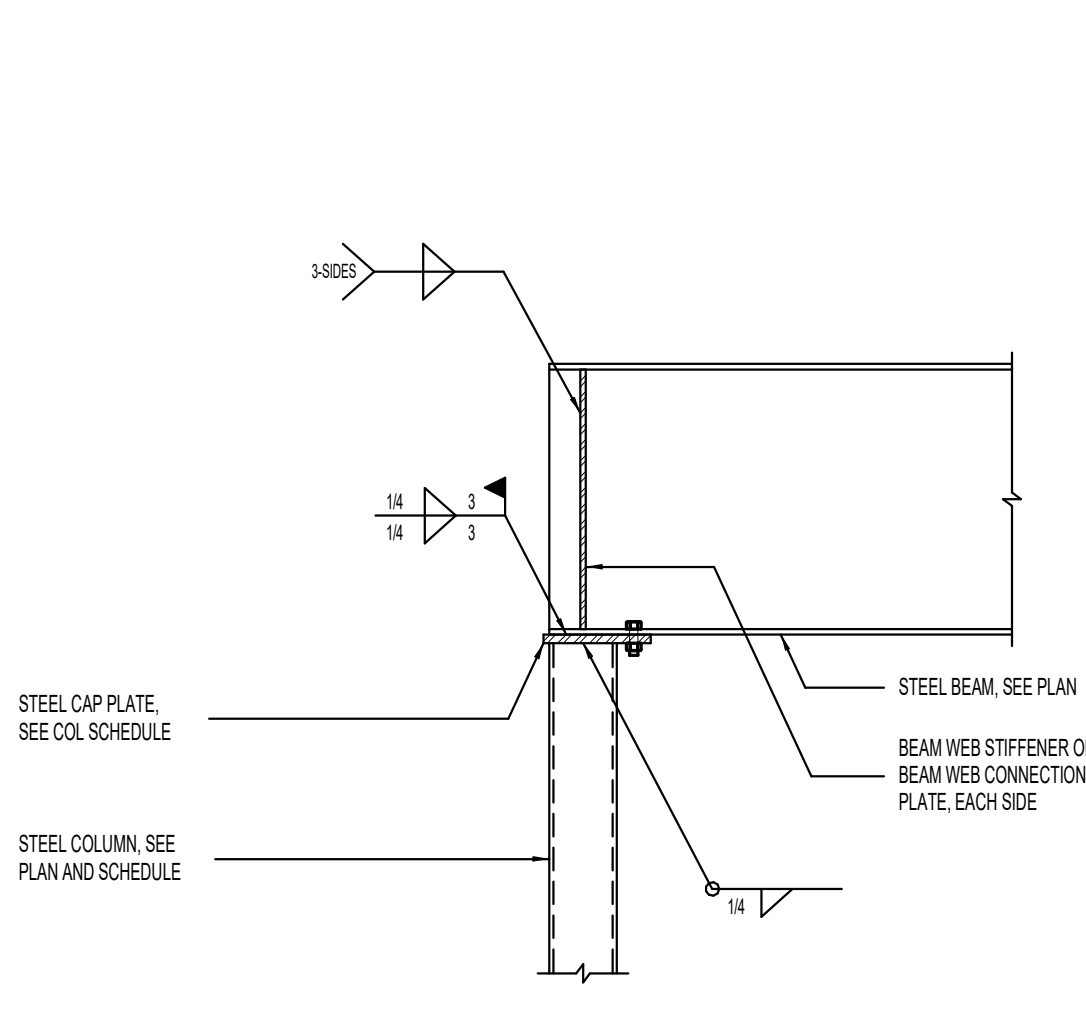
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DETAILS

S-522

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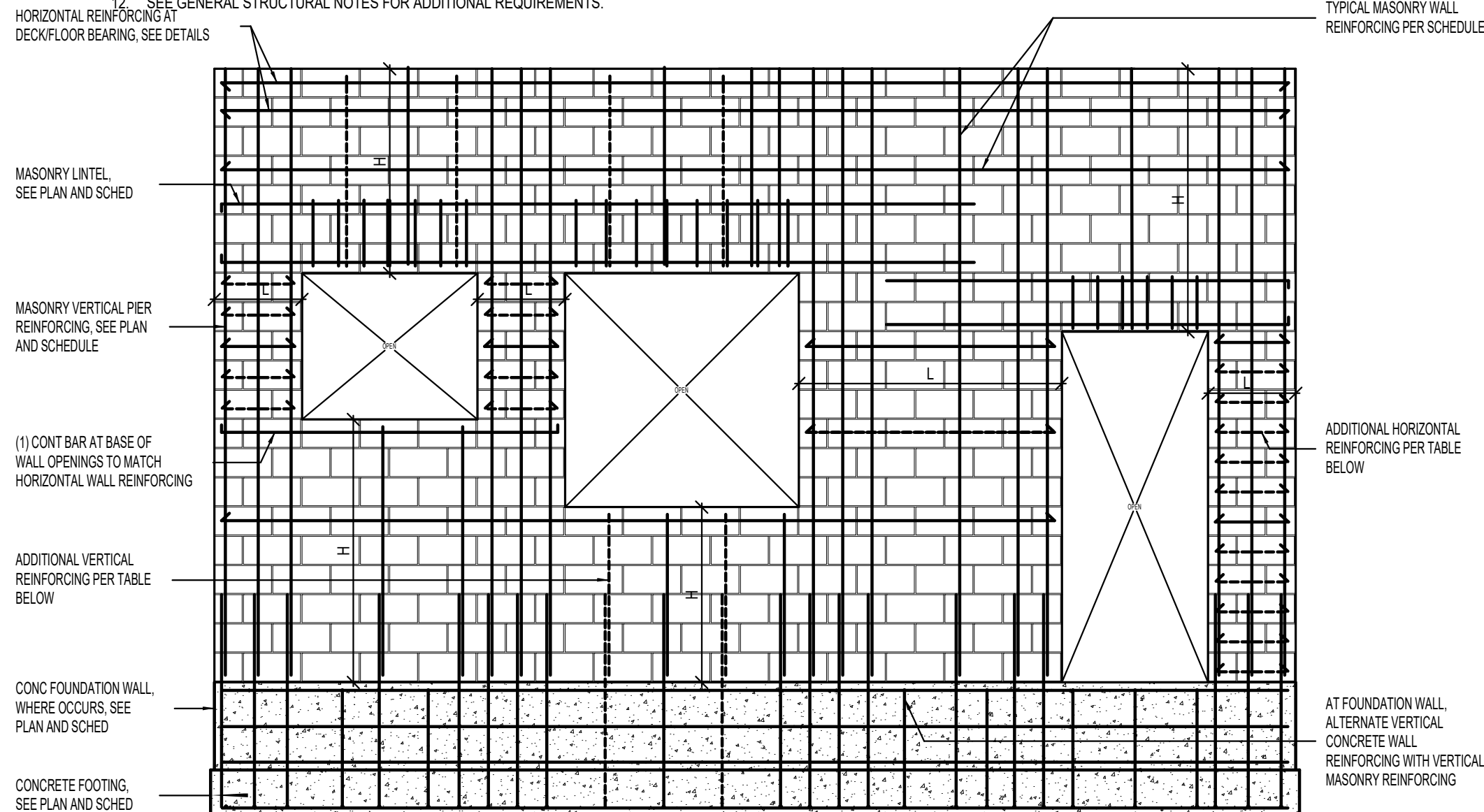
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MASONRY WALL SCHEDULE						
MARK	THICKNESS	MATERIAL	SOLID GROUT	TYPICAL REINFORCING (SEE NOTE 1)		COMMENTS
				VERTICAL	HORIZONTAL	
MW-8A	8"	SEE ARCH	NO	#5 AT 32" O.C.	#5 AT 48" O.C.	SEE NOTE 11
MW-8B	8"	SEE ARCH	YES	#5 AT 32" O.C.	#4 AT 24" O.C.	SEE NOTE 11
MW-3C	8"	SEE ARCH	NO	#5 AT 32" O.C.	#5 AT 48" O.C.	2ND FLOOR ROOF

MASONRY WALLS NOT DESIGNATED IN PLAN			
THICKNESS		REINFORCING	
		HORIZONTAL (NOT SOLID GROUTED)	HORIZONTAL (SOLID GROUTED)
8"	#5 AT 32" O.C.	#4 AT 48" O.C.	#4 AT 24" O.C.
8"	#5 AT 32" O.C.	#5 AT 48" O.C.	#4 AT 24" O.C.
10"	#5 AT 24" O.C.	#5 AT 48" O.C.	#5 AT 24" O.C.
12"	#5 AT 24" O.C.	(2) #5 AT 48" O.C.	(2) #4 AT 24" O.C.

- MASONRY WALL NOTES:**
- SPACING OF MASONRY WALL REINFORCING SHALL NOT EXCEED TYPICAL SCHEDULED REINFORCING. SEE ELEVATION AND MASONRY WALL SECTION REINFORCING TABLE BELOW FOR LOCATIONS WHERE TIGHTER SPACING IS REQUIRED.
 - COORDINATE WALL FINISHES, MATERIALS, COURSING, ETC. WITH ARCHITECTURAL DRAWINGS.
 - DO NOT SOLID GROUT WALLS UNLESS REQUIRED BY SCHEDULE, NOTES, OR DETAILS.
 - SOLID GROUT ALL MASONRY COURSES BELOW GRADE.
 - SINGLE LAYER OF VERTICAL REINFORCING SHALL BE CENTERED IN WALL (UNO).
 - VERTICAL REINFORCING SHALL EXTEND INTO FOOTINGS AND TERMINATE WITH STANDARD HOOK. FOR CONCRETE FOUNDATION WALLS 4'-0" OR TALLER, VERTICAL WALL REINFORCING SHALL DOWEL 3'-0" MINIMUM INTO THE FOUNDATION WALL (UNO).
 - PROVIDE TWO VERTICAL BARS (MIN) AT ALL CORNERS AND END OF WALLS.
 - HORIZONTAL WALL REINFORCING SHALL BE PLACED BETWEEN DOUBLE LAYER OF VERTICAL MASONRY REINFORCING, WHERE OCCURS.
 - HORIZONTAL WALL REINFORCING SHALL CONTINUE THROUGH MASONRY LINTELS, WHERE BOTH HORIZONTAL WALL REINFORCING AND LINTEL REINFORCING OCCUR IN THE SAME COURSE, USE THE LARGER REINFORCING.
 - SEE DETAIL 13IS-501 FOR WHERE HORIZONTAL REINFORCING TERMINATES AT EDGE OF OPENINGS.
 - IN CONCRETE FOUNDATION WALL BELOW, ALTERNATE VERTICAL CONCRETE WALL REINFORCING WITH VERTICAL MASONRY REINFORCING.
 - SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.



MARKS AND SYMBOLS LEGEND	
(Solid line)	INDICATES SCHEDULED MASONRY WALL, PIER OR LINTEL REINFORCING
(Dashed line)	INDICATES ADDITIONAL REINFORCING AS REQUIRED PER MASONRY WALL SECTION REINFORCING TABLE
(L)	INDICATES LENGTH OF WALL SECTION
(H)	INDICATES HEIGHT OF WALL SECTION

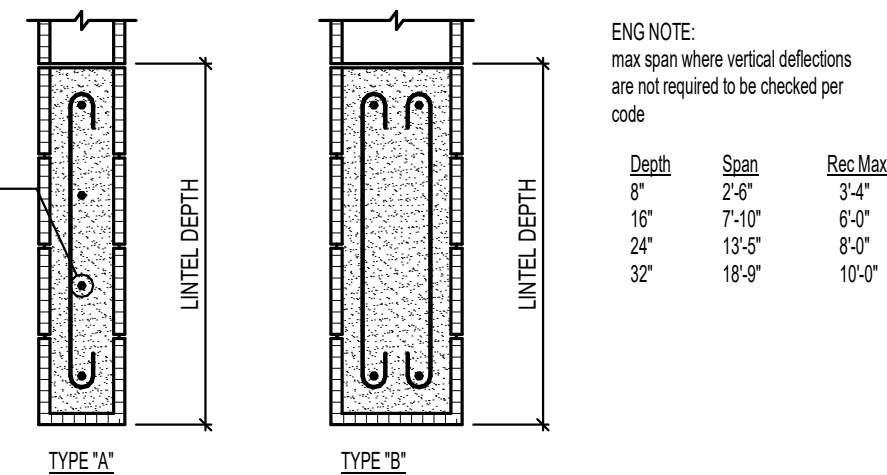
MASONRY WALL SECTION REINFORCING TABLE	
HEIGHT OR LENGTH	MAXIMUM SPACING
H OR L < 4'-0"	8" O.C.
4'-0" < H OR L < 6'-0"	16" O.C.
6'-0" < H OR L < 8'-0"	24" O.C.
8'-0" < H OR L < 10'-0"	32" O.C.
10'-0" < H OR L < 12'-0"	40" O.C.
H OR L > 12'-0"	48" O.C.

- NOTES:**
- ADDITIONAL VERTICAL AND HORIZONTAL REINFORCING SHALL MATCH BAR SIZE OF SCHEDULED WALL REINFORCING AT SPACING INDICATED IN TABLE ABOVE.
 - WHERE 8" SPACING IS REQUIRED, #3 BAR MAY BE USED FOR HORIZONTAL REINFORCING.
 - WHERE SPACING OF SCHEDULED WALL REINFORCING IS LESS THAN TABLE ABOVE, SCHEDULED SPACING SHALL GOVERN.

1 MASONRY WALL SCHEDULE

MASONRY LINTEL SCHEDULE					
MARK	DEPTH	REINFORCING		TYPE	COMMENTS
		HORIZONTAL	STIRRUPS		
ML-16A	16"	(1) #5 x CONT TOP AND BOTTOM	NONE	-	
ML-24A	24"	(1) #5 x CONT TOP AND BOTTOM	#4 AT 8" O.C.	-	
ML-32A	32"	(1) #7 x CONT TOP AND BOTTOM	#4 AT 8" O.C.	-	
ML-48A	48"	(1) #7 x CONT TOP AND BOTTOM	#4 AT 8" O.C.	-	

- MASONRY LINTEL NOTES:**
- LINTEL WIDTH AND MATERIAL TYPE SHALL BE THE SAME AS THE WALL IN WHICH THE LINTEL IS CONSTRUCTED.
 - GROUT MASONRY LINTELS MONOLITHICALLY WITH THE SUPPORT WALL OR PIER AT EACH END.
 - MASONRY LINTEL ML-8A SHALL BE USED OVER OPENINGS IN MASONRY WALLS WHEN A SPECIFIC MASONRY LINTEL IS NOT OTHERWISE SPECIFIED. WHEN A LINTEL IS SPECIFIED ON THE PLANS, THE MAXIMUM SPAN AS NOTED IN THIS SCHEDULE SHALL NOT APPLY. CONSULT THE STRUCTURAL ENGINEER FOR LINTELS NOT SPECIFIED ON THE PLANS WHICH HAVE A SPAN GREATER THAN 3'-4".
 - MASONRY LINTEL ML-8A SHALL NOT BE LOCATED DIRECTLY BELOW FLOOR OR ROOF BEAMS OR GIRDERS UNLESS NOTED OTHERWISE ON THE PLANS. JOISTS SHALL NOT BEAR ON ANY LINTEL LESS THAN 16" DEEP. CONSULT THE STRUCTURAL ENGINEER FOR LINTELS NOT SHOWN ON THE PLANS WHICH ARE LOCATED DIRECTLY BELOW FLOOR OR ROOF BEAMS OR GIRDERS.
 - EXTEND ALL HORIZONTAL REINFORCING 48 BAR DIAMETERS MINIMUM BEYOND THE EDGE OF ALL OPENINGS. IF HORIZONTAL REINFORCING CANNOT EXTEND 48 BAR DIAMETERS BEYOND EDGE OF OPENING, PROVIDE 90° STANDARD HOOK.
 - SPLICE TOP BARS AT MIDSPAN OF LINTEL ONLY AND BOTTOM BARS OVER SUPPORTS ONLY.
 - HORIZONTAL WALL REINFORCING SHALL CONTINUE THROUGH MASONRY LINTELS, WHERE BOTH HORIZONTAL WALL REINFORCING AND LINTEL REINFORCING OCCUR IN THE SAME COURSE, USE THE LARGER REINFORCING.
 - DOWEL VERTICAL REINFORCING OF WALL ABOVE LINTEL INTO THE FULL DEPTH OF LINTEL OR 48 BAR DIAMETERS, WHICHEVER IS LESS.
 - SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.

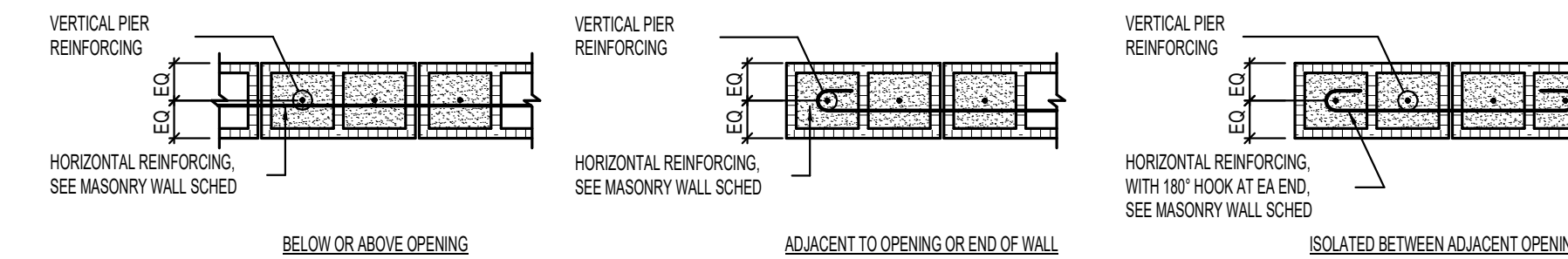


2 MASONRY LINTEL SCHEDULE

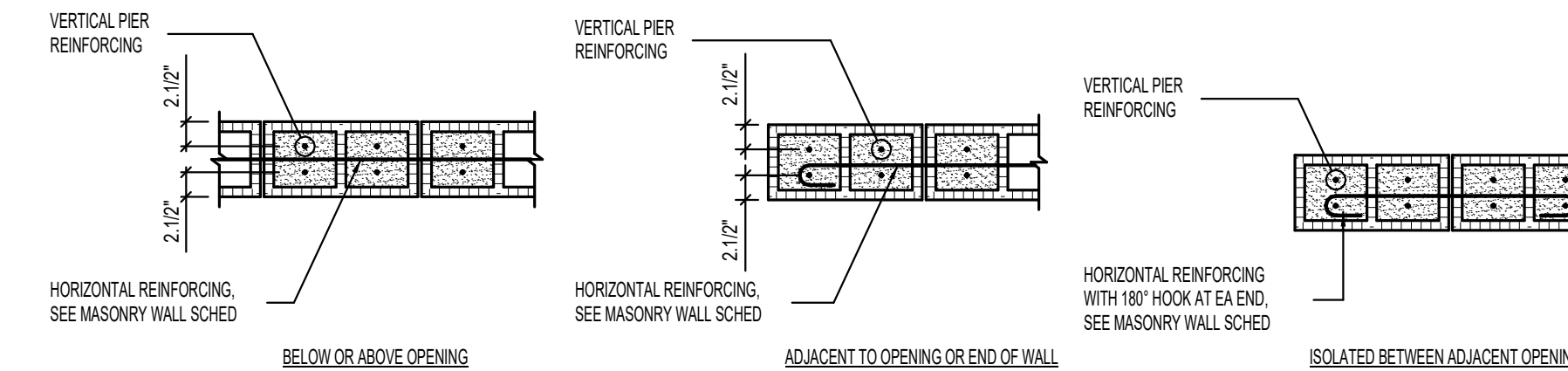
MASONRY PIER SCHEDULE				
MARK	SIZE	VERTICAL REINFORCING	VERTICAL REINFORCING SCHEMATIC	COMMENTS
MP-16A	WT x 16"	(2) #5	[Schematic]	
MP-16B	WT x 16"	(4) #5	[Schematic]	
MP-16C	16" x 20"	(4) #5	[Schematic]	USE #3 PN TIES AT 8" O.C.
MP-24A	WT x 24"	(3) #5	[Schematic]	
MP-24B	WT x 24"	(6) #5	[Schematic]	
MP-32A	WT x 32"	(4) #5	[Schematic]	
MP-32B	WT x 32"	(8) #5	[Schematic]	
MP-40A	WT x 40"	(5) #5	[Schematic]	
MP-40B	WT x 40"	(10) #5	[Schematic]	
MP-48A	WT x 48"	(6) #5	[Schematic]	
MP-48B	WT x 48"	(12) #5	[Schematic]	

- MASONRY PIER NOTES:**
- SEE MASONRY WALL SCHEDULE FOR HORIZONTAL REINFORCING REQUIREMENTS FOR ALL PIERS.
 - VERTICAL REINFORCING AND TIES SHALL EXTEND FULL HEIGHT OF WALL (UNO).
 - VERTICAL MASONRY PIER REINFORCING SHALL EXTEND INTO THE FOOTING AND TERMINATE WITH A STANDARD 90° HOOK. FOR CONCRETE FOUNDATION WALLS 4'-0" OR TALLER, VERTICAL PIER REINFORCING SHALL DOWEL 3'-0" MINIMUM INTO THE FOUNDATION WALL (UNO).
 - IN CONCRETE FOUNDATION WALLS, VERTICAL REINFORCING AT TYPE 'B' MASONRY PIERS SHALL BE TIED WITH #3 TIES AT TOP AND BOTTOM OF FOUNDATION WALL. SEE DETAILS.
 - HORIZONTAL REINFORCING OF ADJACENT WALLS SHALL RUN CONTINUOUS THROUGH MASONRY PIERS.
 - WHERE HORIZONTAL REINFORCING TERMINATES AT PIER, PROVIDE 180° HOOK. SEE SCHEMATICS BELOW.
 - SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.

TYPE A PIER CONFIGURATION SCHEMATICS



TYPE B PIER CONFIGURATION SCHEMATICS

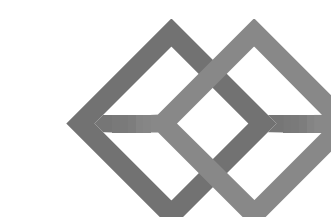


3 MASONRY PIER SCHEDULE

MASONRY REINFORCING LAP SPLICE SCHEDULE						
BAR SIZE	8" MASONRY		10" MASONRY		12" MASONRY	
	(1) BAR PER CELL	(2) BARS PER CELL	(1) BAR PER CELL	(2) BARS PER CELL	(1) BAR PER CELL	(2) BARS PER CELL
#3	12"	12"	12"	12"	12"	12"
#4	12"	21"	12"	20"	12"	20"
#5	20"	36"	18"	33"	12"	33"
#6	36"	SEE NOTE 1	23"	60"	24"	60"
#7	52"	SEE NOTE 1	40"	SEE NOTE 1	33"	63"
#8	SEE NOTE 1	SEE NOTE 1	41"	SEE NOTE 1	50"	SEE NOTE 1

- NOTES:**
- WHERE INDICATED, USE MECHANICAL SPLICE COUPLER. SEE GSN FOR REQUIREMENTS.
 - WHERE VERTICAL BARS HAVE A SPECIFIED LAP SPLICE GREATER THAN THE HEIGHT OF THE GROUT POUR, USE MECHANICAL SPLICE COUPLER.

4 MASONRY REINFORCING LAP SPLICE SCHEDULE (f'm=2000psi)



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SCHEDULES

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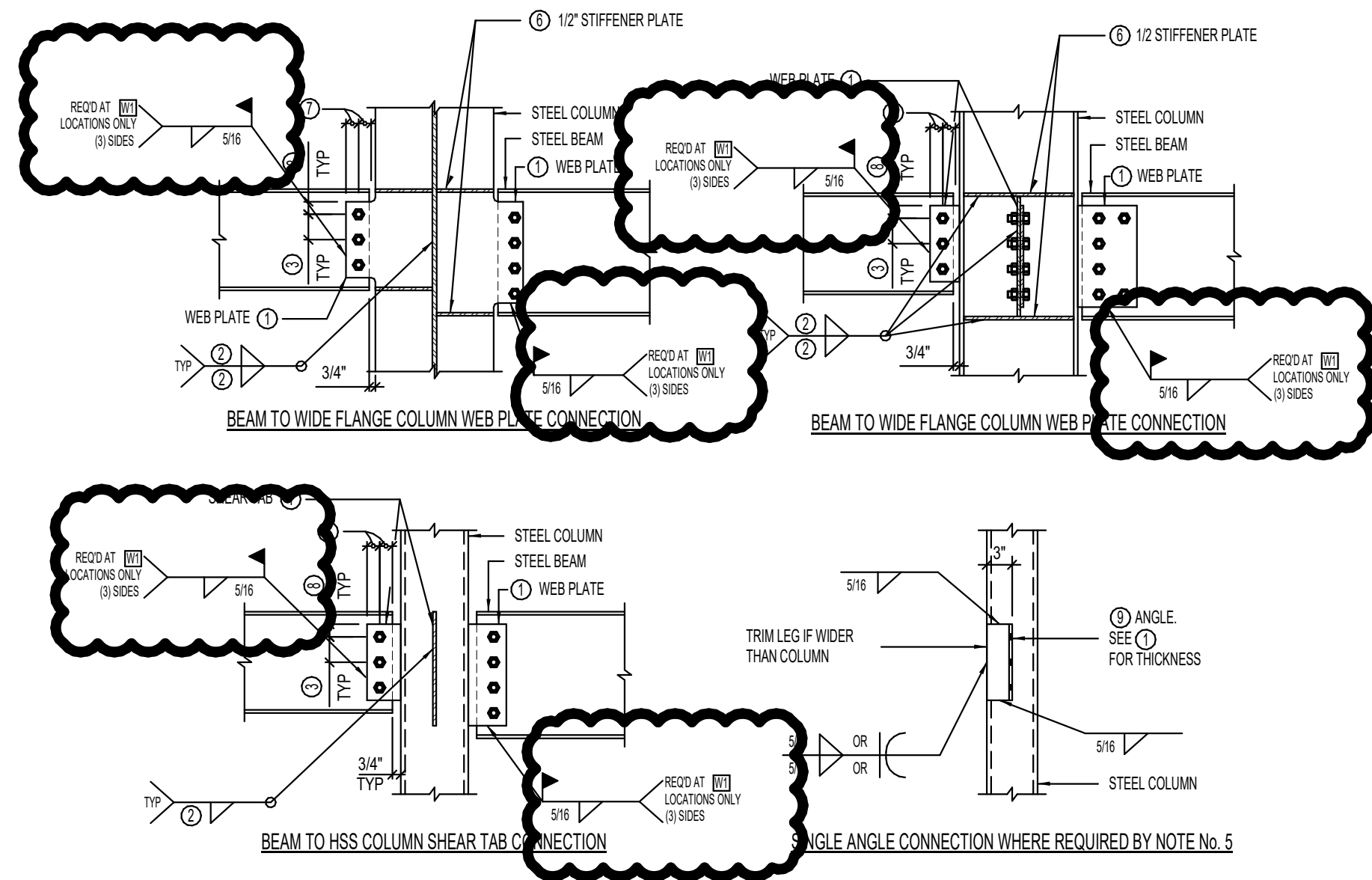
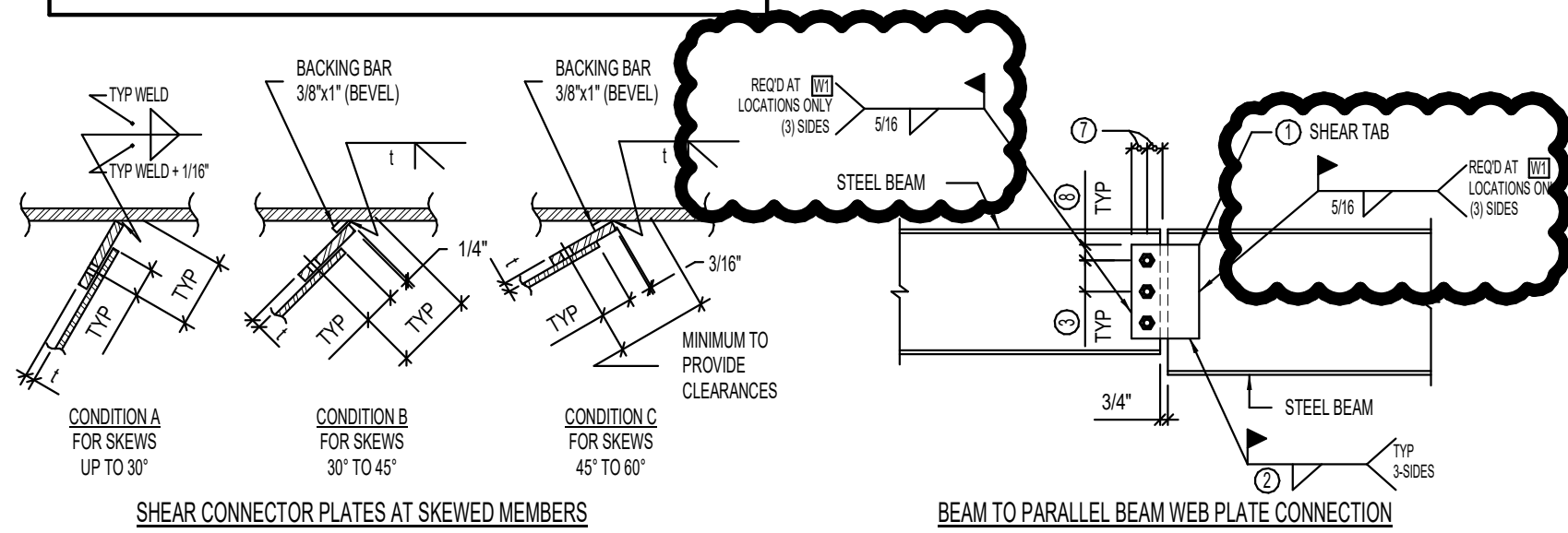
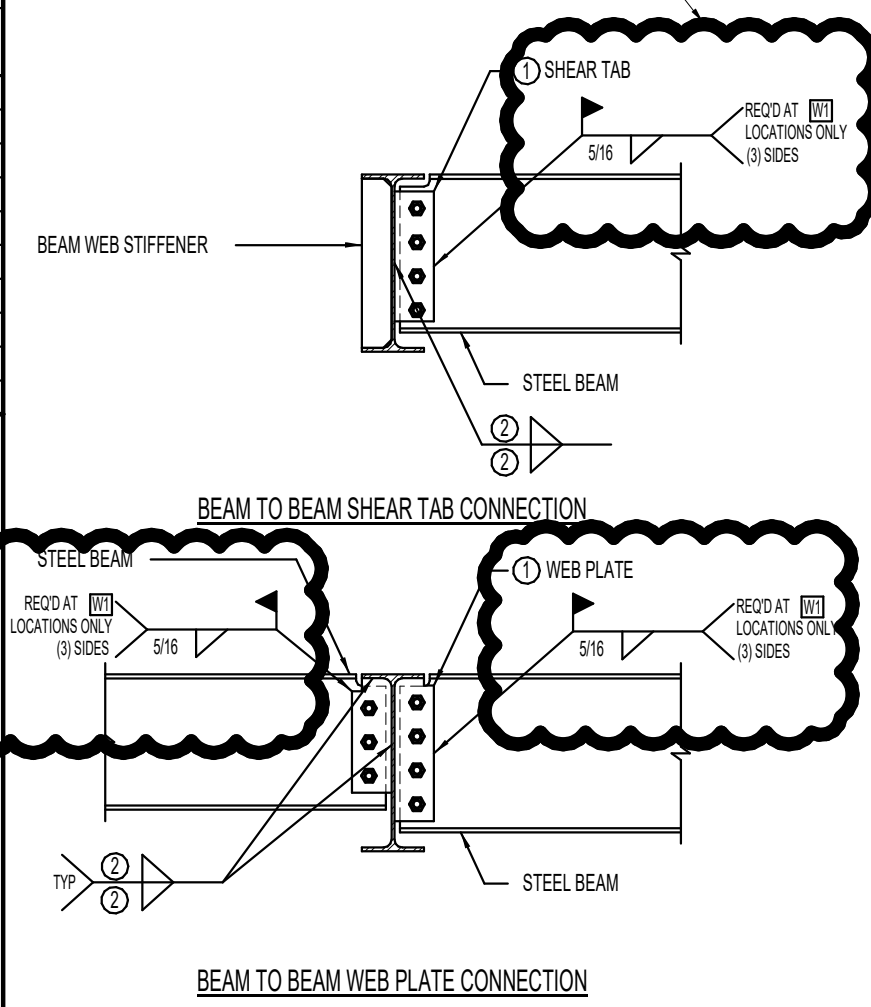
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NOTE TO ENGINEER: THIS EQ CAPACITY IS ONLY FOR BEAMS LABELED AS 'SRE' AND NEEDS TO BE COMPARED TO THE EARTHQUAKE FORCES THAT INCLUDE THE EFFECTS OF ASCE 12.10.2.1 (I.E. OMEGA, RHO ETC.)

A-325 BOLT SCHEDULE		A-325N BOLTS		
MAXIMUM BEAM SIZE IN EACH BEAM DEPTH GROUP	No. PER BEAM	SIZE	ASD CAPACITY	SEISMIC AXIAL CAPACITY
W8	2	7/8"DIA	15.54K	10K
W10	2	7/8"DIA	20.5K	9K
W12	3	7/8"DIA	23K	22K
W14	3	7/8"DIA	34.4K	18K
W16	4	7/8"DIA	46.3K	30K
W18	5	7/8"DIA	58.7K	56K
W21	6	7/8"DIA	70.6K	82K
W24	7	7/8"DIA	83.9K	128K
W27	8	7/8"DIA	95.1K	178K
W30	9	7/8"DIA	107.1K	196K

- AT STEEL BEAMS LABELED WITH 'SRE' ON PLAN, INCREASE THICKNESS OF SHEAR TAB TO 3/4" AND ALL BOLTS SHALL BE PRETENSIONED WITH CLASS A FAYING SURFACES
- 5/16" FILLET WELD EACH SIDE OF SHEAR TAB BOLT SPACING SHALL BE 3" TYP. REDUCE BOLT SPACING TO 2.75" WHERE NEEDED TO FIT THE REQUIRED QUANTITY OF BOLTS
- IF MORE THAN ONE ROW OF BOLTS IS NEEDED, THE FIRST ROW SHALL BE A COMPLETE ROW WITH THE REMAINDER OF THE BOLTS PLACED IN THE SECOND ROW WITH (3) BOLTS MIN AT SECOND ROW.
- HSS COLUMN THAT DO NOT HAVE A MINIMUM 1/4" WALL THICKNESS SHALL USE A SINGLE ANGLE CONNECTION WHERE STEEL TUBE WALL IS TOO THIN
- AT MOMENT FRAME COLUMNS, SEE MOMENT CONNECTION DETAILS FOR CONTINUITY PLATE REQUIREMENTS
- BOLT EDGE DISTANCE, L_{eh} SHALL BE EQUAL TO TWICE THE BOLT DIAMETER FOR BOTH THE PLATE AND THE BEAM WEB
- BOLT EDGE DISTANCE, L_{ew} SHALL BE 1.14" FOR BOLT DIAMETERS 1/8" OR LESS AND 1.34" BOLT DIAMETER FOR BOLT DIAMETERS GREATER THAN 7/8"
- ANGLE SIZE SHALL BE 3" FOR SHORT LEG AND 4 TIMES THE BOLT DIAMETER "1" FOR THE LONG LEG
- AT STEEL BEAMS LABELED WITH 'SRE' ON PLAN THAT FRAME INTO HSS COLUMNS, THE SHEAR TAB SHALL RUN CONTINUOUSLY THROUGH A SLOT IN THE COLUMN

note to engineer: have cad delete the w1 weld symbols in not needed
note to CAD: all of the w1 weld symbols are all one block

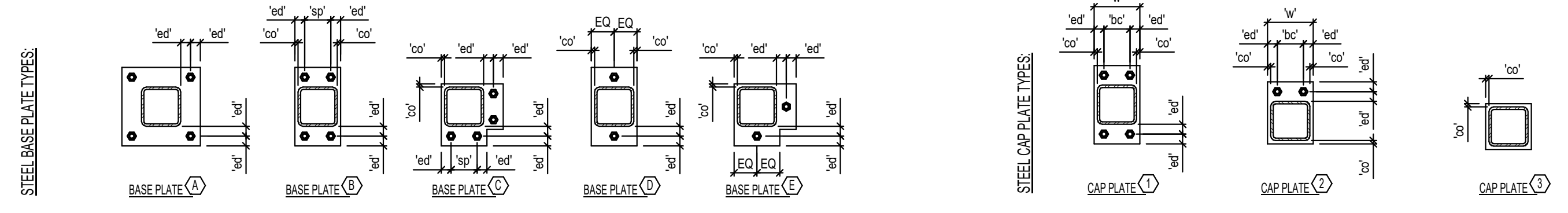


1 TYPICAL 7/8\"/>

STEEL COLUMN SCHEDULE						
MARK	SC-4A	SC-4A	SC-4B	SC-6A	SC-7A	SC-7B
LEVEL/ TOS ELEVATION						
CAP PLATE (TYPE)	3/4\"/>					
UPPER ROOF 125'-6"						
LOWER ROOF 122'-10"						
CANOPY 110'-10"						
1st FLOOR 100'-0"						
LOWER CANOPY 96'-0"						
BASEMENT 88'-0"						
FOOTING 84'-0"						
BASE PLATE (TYPE)	3/4\"/>					
ANCHOR RODS	(#) ___ DIA	(#) ___ DIA	(#) ___ DIA	(#) ___ DIA	(#) ___ DIA	(#) ___ DIA

- STEEL COLUMN NOTES:
- PROJECT ANCHOR RODS 3" MINIMUM ABOVE TOP OF THE BASE PLATE. TYPICAL ANCHOR ROD EMBEDMENT INTO FOOTING SHALL BE 9" MINIMUM, WITH HOOKS (UNO). ALL ANCHOR RODS SHALL BE INSTALLED WITH HARDENED WASHERS BENEATH THE NUT. ANY HOLES LARGER THAN THE BOLT DIAMETER PLUS 5/16" SHALL HAVE 5/16" PLATE WASHERS INSTALLED BENEATH THE HARDENED WASHERS.
 - ANCHOR RODS SHALL NOT BE WELDED (INCLUDING TACK WELDS).
 - REFER TO DETAILS BELOW FOR ANCHOR ROD PATTERN.
 - ALL CAP PLATE BOLTS SHALL BE 3/4\"/>

PLATE LEGEND
 cw = 1/2" MINIMUM
 ed = 1/2" MINIMUM
 eq = 3" MINIMUM
 bc = BEAM OR GIRDER GAGE
 w = BEAM OR GIRDER WIDTH + 3"
 OR
 BEAM OR GIRDER WIDTH + 1"
 OR
 COLUMN WIDTH + 1"
 WHICHEVER IS GREATER



2 STEEL COLUMN SCHEDULE

NO SCALE

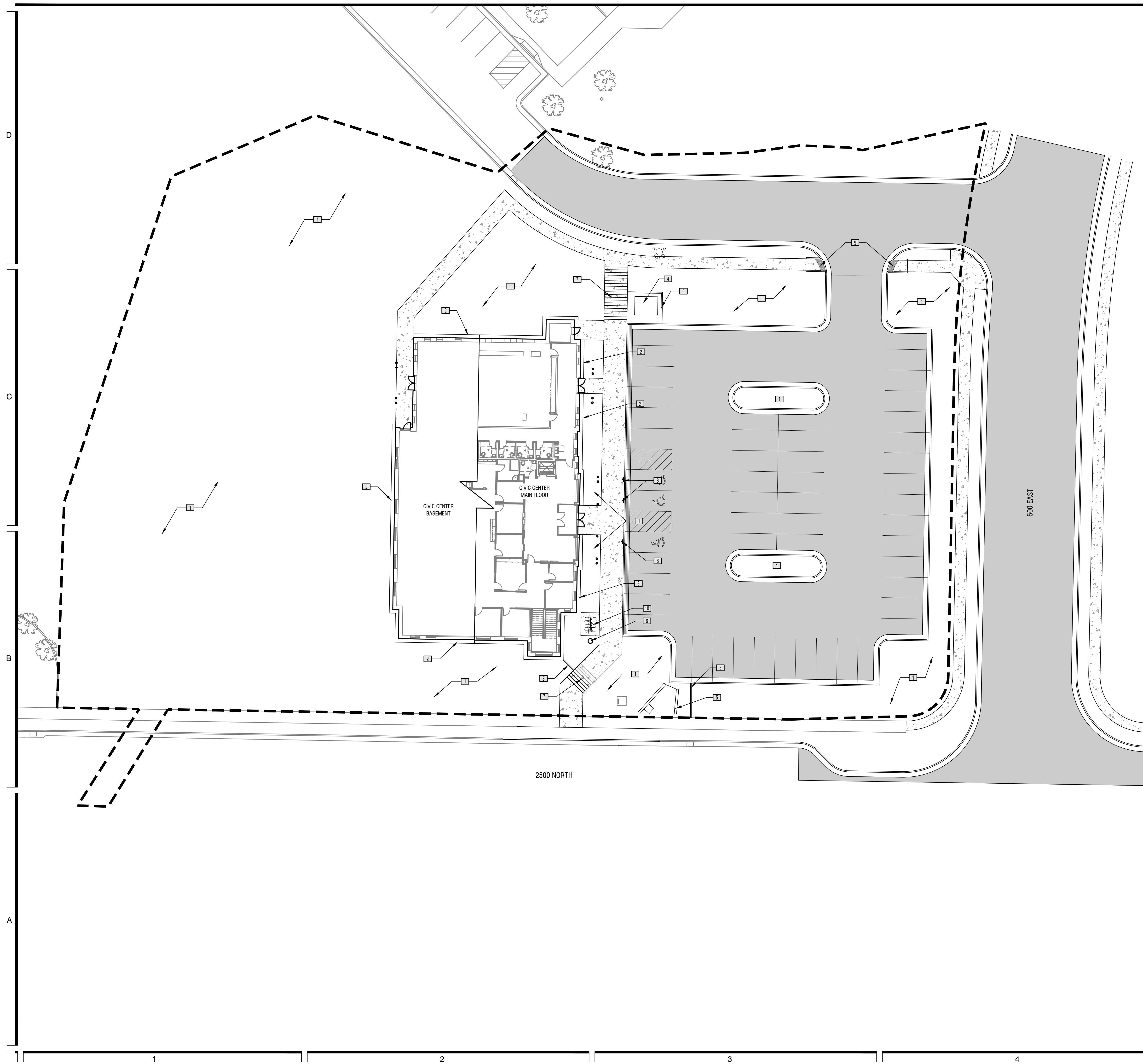
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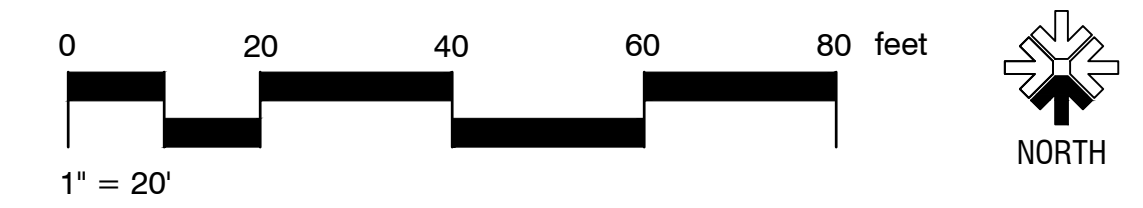


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LEGEND

SYMBOL	DESCRIPTION	DETAIL
1	LANDSCAPE AREA - see planting/irrigation plans	
2	MOWSTRIP AGAINST BUILDING - 18" wide x 6" deep	1/AS501
3	PLANTER BED MOWSTRIP - 6" wide x 6" deep	2/AS501
4	TRANSFORMER - see electrical plans	
5	CANAL CULVERT - see civil plans	
6	FLAGPOLE	8/AS501
7	STAIRCASE - see civil plans for grade information	4/AS501
8	ADA PARKING SIGN	5/AS501
9	ADA RAMP	6/AS501
10	BICYCLE RACK - stainless steel, ribbon, 5-bike capacity	7/AS501



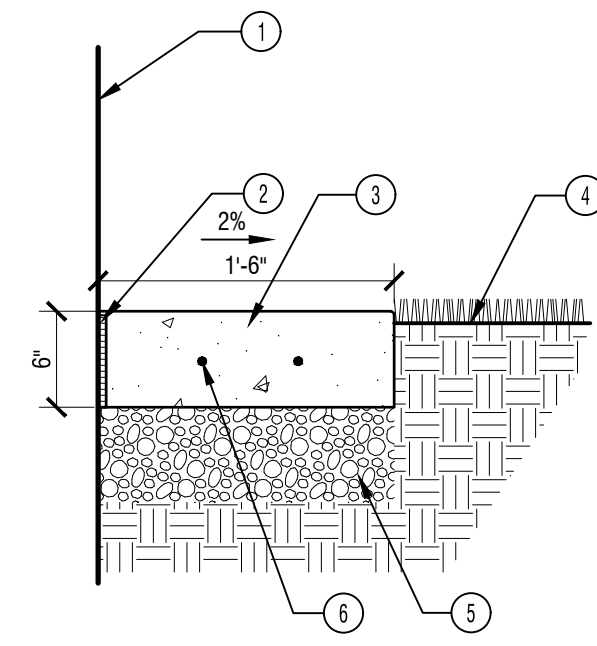
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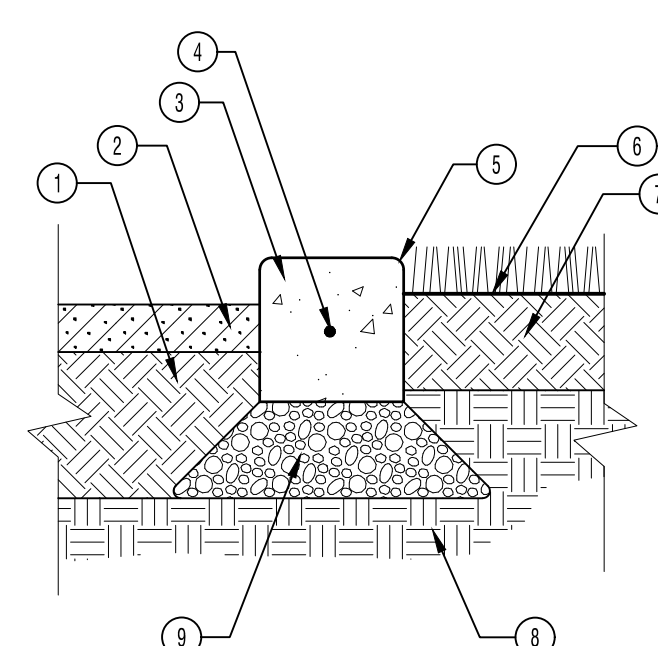
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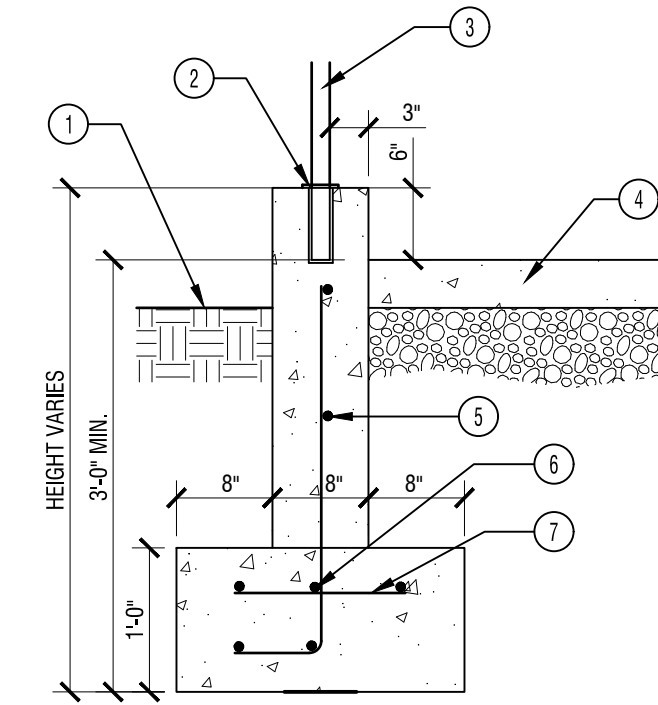


- 1 BUILDING OR RETAINING WALL WHERE OCCURS
- 2 EXPANSION JOINT AT BUILDING
- 3 18" MIN. X 6" THICK CONCRETE MOWSTRIP
- 4 FINISH GRADE, 1" BELOW TOP OF MOWSTRIP FOR SOD, 1-1/2" FOR SEED.
- 5 6" MIN. AGGREGATE BASE COURSE ON WELL COMPACTED SUBGRADE
- 6 (2) #4 BAR CONT. STEEL REINFORCEMENT



- 1 SPECIFIED TOPSOIL MIX
- 2 PLANTER BED, SEE PLANS FOR MATERIAL
- 3 6" SQUARE CONCRETE MOWSTRIP
- 4 #3 REINFORCING BAR CONT. (OVERLAP 12" AT SPLICES)
- 5 1/2" RADIUS TROWELED EDGE
- 6 FINISH GRADE 1" BELOW FOR SOD, 1-1/2" FOR SEED
- 7 TOP SOIL
- 8 UNDISTURBED OR COMPACTED SUBGRADE
- 9 6" COMPACTED AGGREGATE BASE

NOTE: PROVIDE CONSTRUCTION OR CONTROL JOINTS AT 5' O.C. MAX.

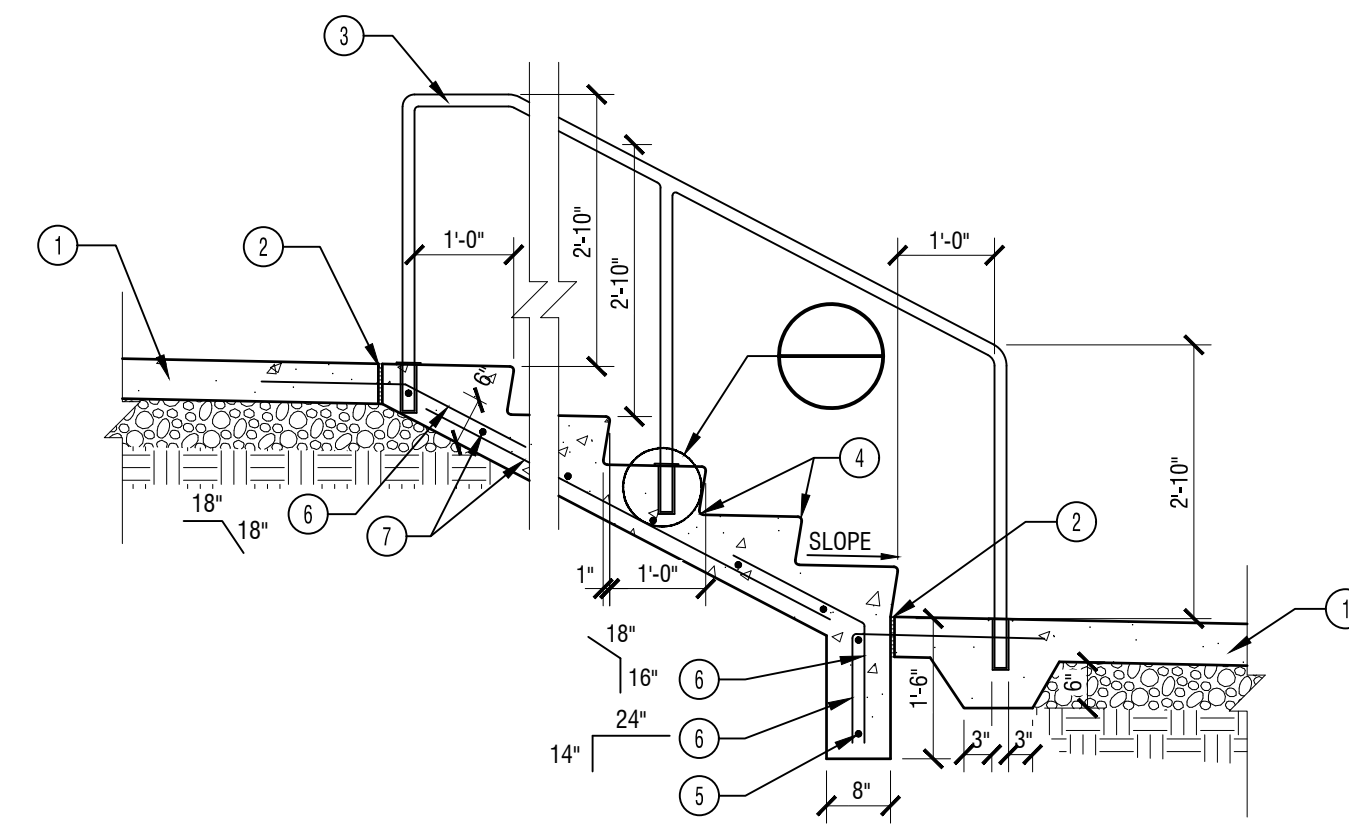


- 1 FINISH GRADE, SEE GRADING PLANS
- 2 CORE DRILL CONCRETE, EPOXY GROUT STEEL POST IN PLACE, GROUT COLOR TO MATCH CONCRETE
- 3 1-1/2" DIA. STEEL POST
- 4 CONCRETE WALK OR STAIRS
- 5 #4 VERTICAL REINFORCED BAR AT 16" O.C.
- 6 #4 CONT. REINFORCED BAR, TOP AND BOTTOM
- 7 #4 HORIZONTAL REINFORCED BAR AT 16" O.C.

1 CONCRETE MOWSTRIP AT BUILDING - 18"
1" = 1'-0" P-8-NOR-CIV-07

2 CONCRETE MOWSTRIP - 6"
1 1/2" = 1'-0" P-8-NOR-CIV-20

3 CONCRETE CHEEK WALL
3/4" = 1'-0" P-8-NOR-CIV-01

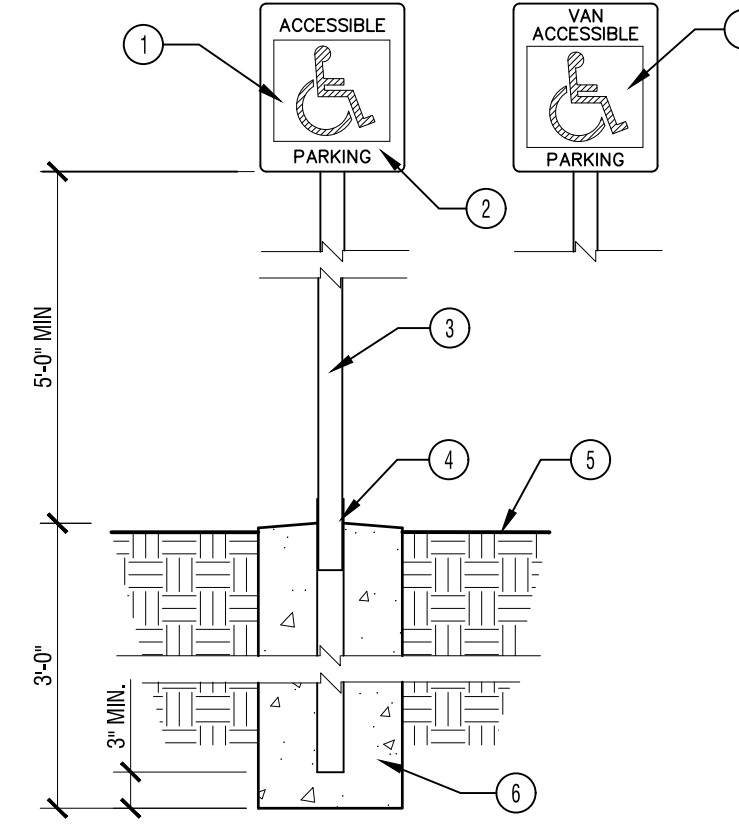


- 1 CONCRETE WALK
- 2 EXPANSION JOINT
- 3 RAILING HORIZONTAL FOR 12"
- 4 1/2" RADIUS (TYP.)
- 5 #4 CONT. REINFORCED BAR, TOP AND BOTTOM
- 6 #3 REINFORCED BAR AT 16" O.C.
- 7 #5 REINFORCED BAR AT 12" O.C. EACH WAY

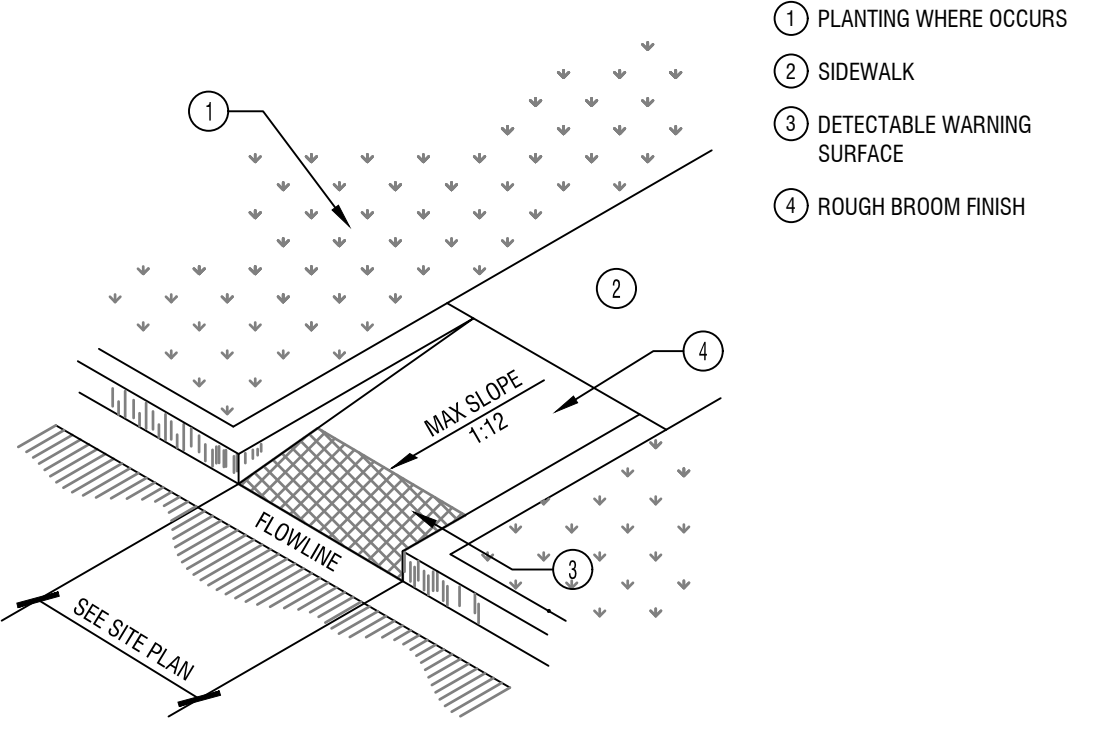
NOTES:
1. SEE SITE PLANS FOR CORRECT NUMBER OF RISERS
2. INTERUM POST SHALL BE MAXIMUM OF 5' O.C
3. HANDRAILS SHALL HAVE A POWDER COAT FINISH. COLOR TO BE SELECTED BY THE SCHOOL DISTRICT.

4 STAIR SECTION
1/2" = 1'-0" P-8-NOR-CIV-02

5 ADA SIGN
3/4" = 1'-0" P-8-NOR-CIV-48

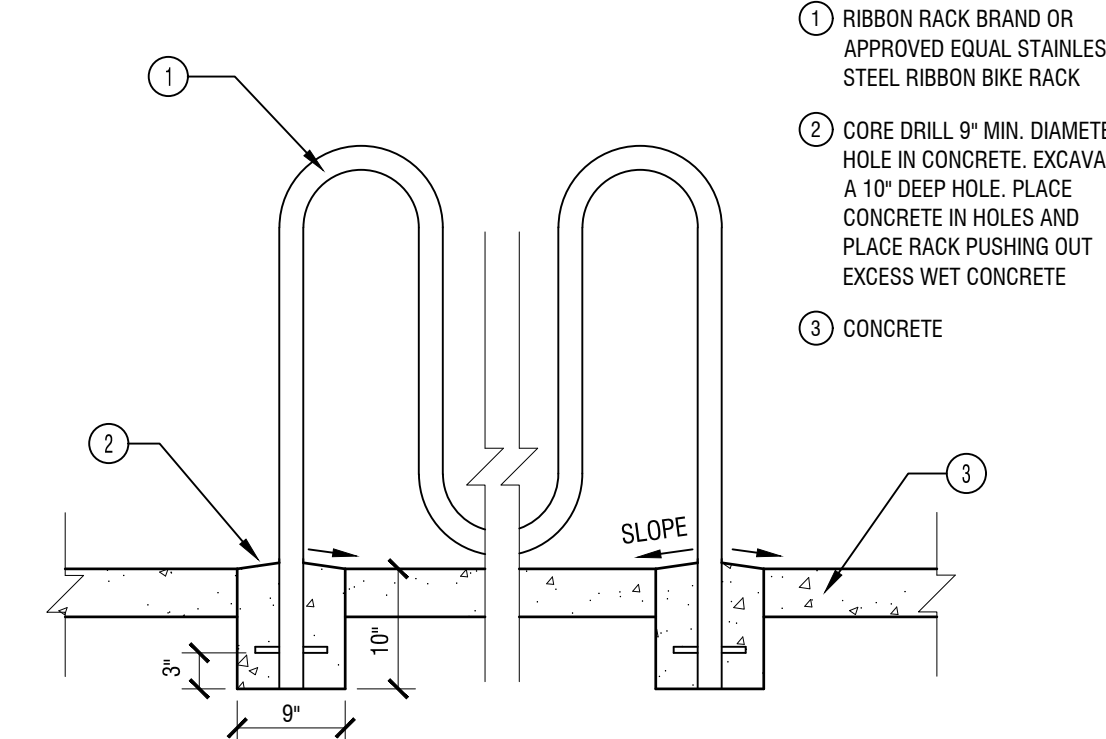


- 1 REFLECTORIZED LETTERING AND SYMBOL
- 2 12" X 14" X 1/16" ALUMINUM WITH 1/2" MINIMUM WHITE SILK SCREENED LETTER AND SYMBOL ON BLUE BACKGROUND
- 3 2" SQUARE GALVANIZED STEEL TUBE UNISTRUT OR APPROVED EQUAL
- 4 TELESPAR ANCHOR SYSTEM OR APPROVED EQUAL
- 5 GRADE OF PAVING OR LANDSCAPE. SEE PLAN
- 6 12" DIA. CONCRETE FOOTING
- 7 VAN ACCESSIBLE SIGN AT STALLS ADJACENT TO 8'-0" WIDE ACCESSIBLE AISLES



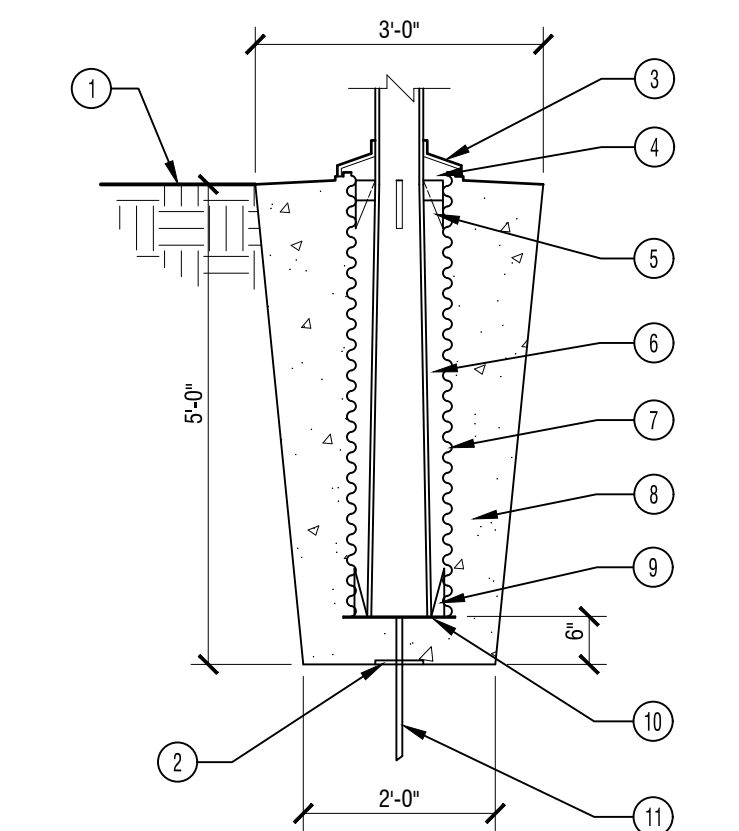
- 1 PLANTING WHERE OCCURS
- 2 SIDEWALK
- 3 DETECTABLE WARNING SURFACE
- 4 ROUGH BROOM FINISH

6 PERPENDICULAR CURB RAMP
1/4" = 1'-0" P-8-NOR-CIV-62



- 1 RIBBON RACK BRAND OR APPROVED EQUAL STAINLESS STEEL RIBBON BIKE RACK
- 2 CORE DRILL 9/16" DIA. HOLE IN CONCRETE, EXCAVATE 10" DEEP HOLE. PLACE CONCRETE IN HOLES AND PLACE RACK PUSHING OUT EXCESS WET CONCRETE
- 3 CONCRETE

7 RIBBON BIKE RACK - IN-GROUND MOUNT
3/4" = 1'-0" P-8-NOR-CIV-03



- 1 FINISH GRADE
- 2 6"x6" STEEL SUPPORT PLATE
- 3 FLASH COLLAR
- 4 CAULKING COMPOUND
- 5 WOOD WEDGES
- 6 TAMPED WITH SCREENED DRY SAND
- 7 16 GA. GALVANIZED CORRUGATED SLEEVE
- 8 1:2:4 MIX CONCRETE, PROVIDE BASE COURSES UNDER FOOTING AS REQUIRED BY SPECS
- 9 STEEL CENTERING WEDGES
- 10 3/16" STEEL PLATE
- 11 3/4" DIA. LIGHTING GROUND SPIKE TO EXTEND 12" BELOW FOOTING

SEE SPECIFICATIONS FOR FLAGPOLE HEIGHT. PROVIDE ALL EQUIPMENT NECESSARY AND INSTALL AS PER MANUFACTURER'S RECOMMENDATIONS.

8 FLAG POLE FOOTING
1/2" = 1'-0" P-8-NOR-CIV-13

MARK	DATE	DESCRIPTION

PROJECT #: 821239
DRAWN BY: K. ALTHOUSE
CHECKED BY: B. WRIGHT
ISSUED: 03.31.2022

60%
REVIEW SUBMITTAL
NOT FOR
CONSTRUCTION

NOT FOR CONSTRUCTION

D

C

B

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GENERAL NOTES

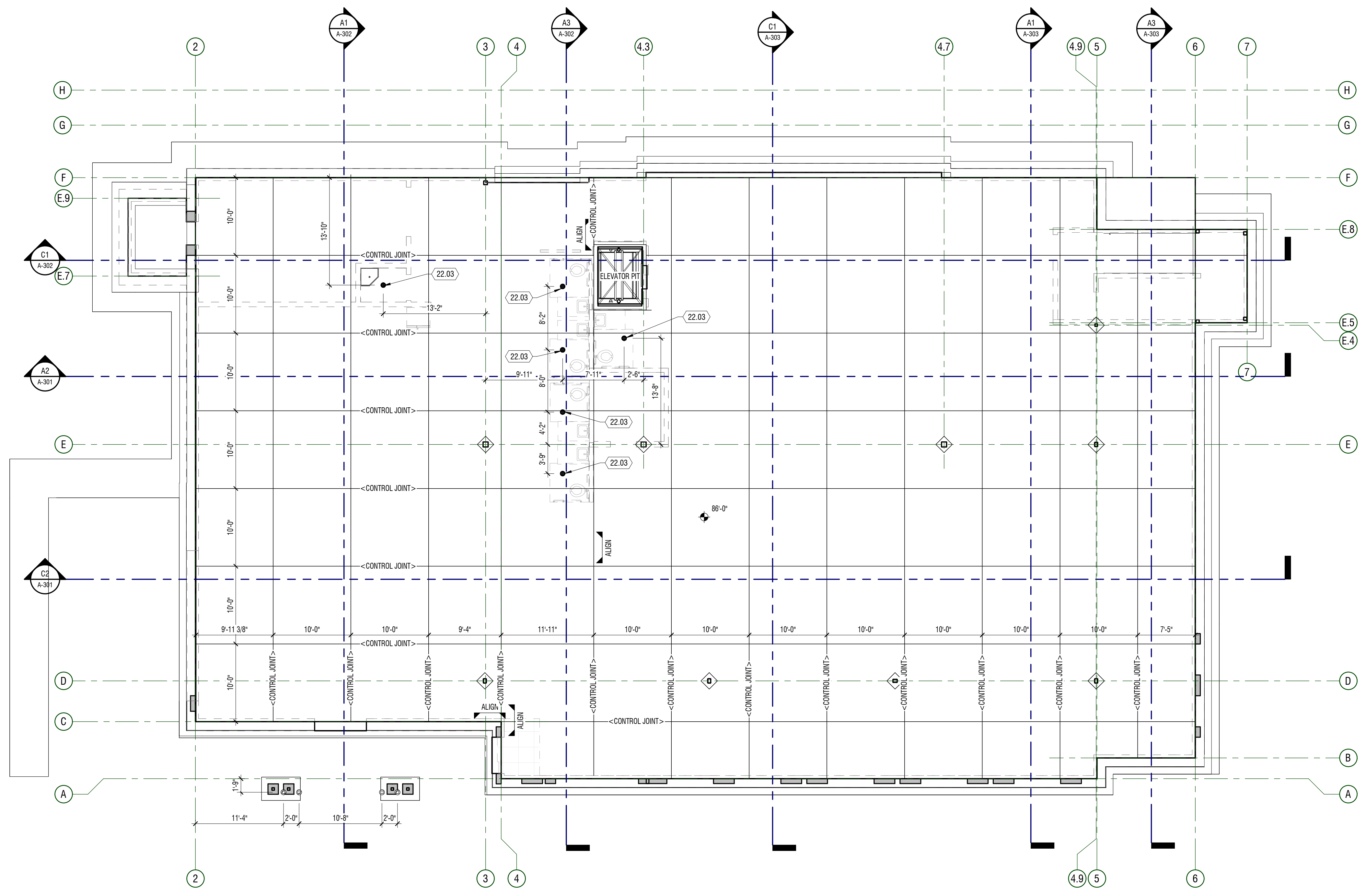
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- CONTRACTOR SHALL BE FAMILIARIZED WITH THE LAY-OUT OF STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS. ANY QUESTIONS SHALL BE SUBMITTED VIA REQUEST FOR INFORMATION (RFI).

LEGEND

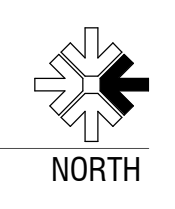
- WALLS TO BE FRAMED
- FOUNDATION WALLS
- SLAB EDGES

KEYNOTES

#	DESCRIPTION
22.03	FLOOR DRAIN - SEE PLUMBING



A1 PLAN - SLAB
 1/8" = 1'-0" BASEMENT



NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION

PROJECT #: 821239
 DRAWN BY: NIELSON
 CHECKED BY: ZETTERQUIST
 ISSUED: 03.30.2022

PLAN - BASEMENT - SLAB

A-100.0

GENERAL NOTES

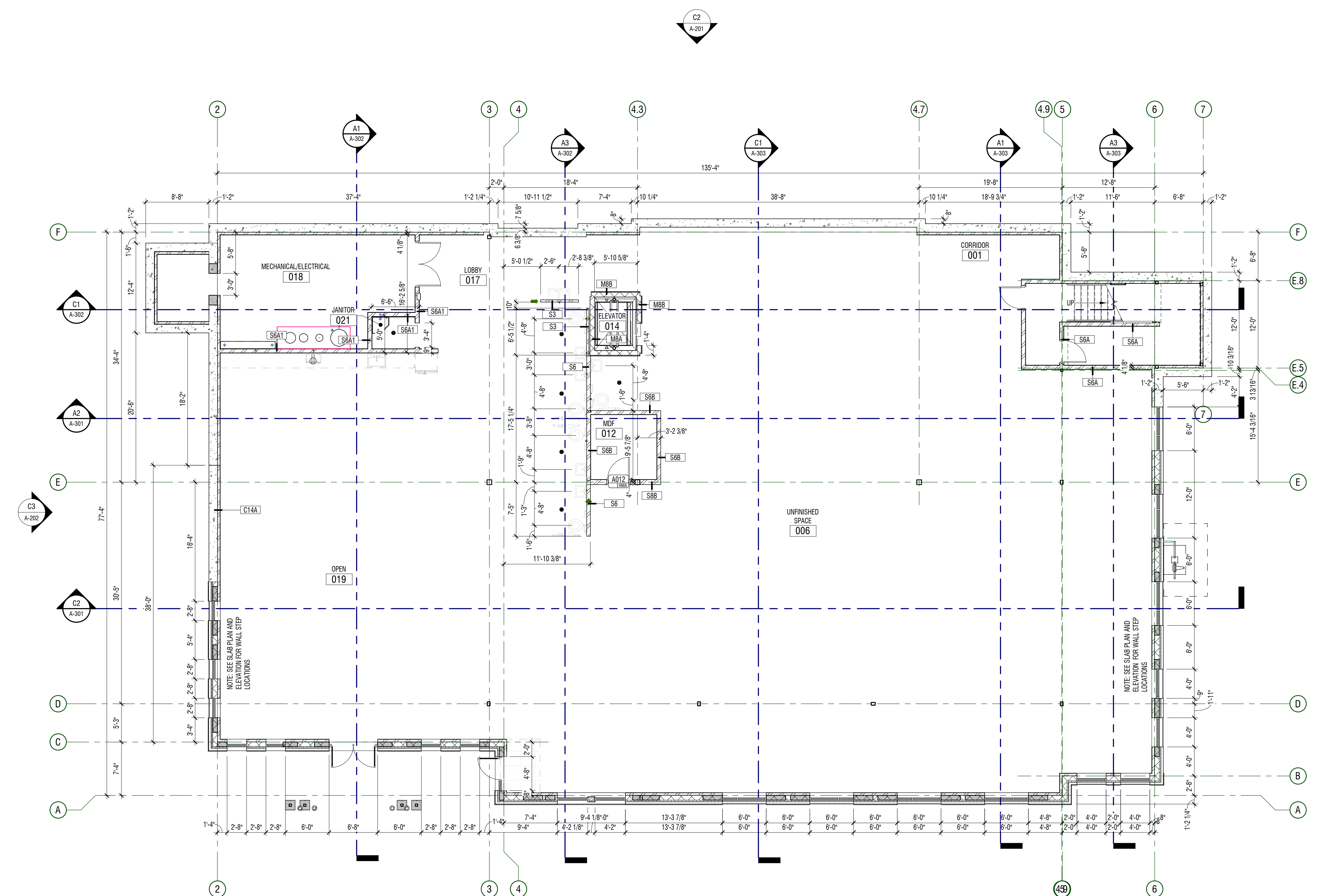
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- MIN CLEARANCE REQUIRED ON LATCH SIDE OF DOORS SHALL CONFORM TO ADA REQUIREMENTS
- HINGE SIDE OF DOORS AT PERPENDICULAR WALLS TO HAVE 3" STUD SECTION U.N.O.
- BLOCKING TO BE PROVIDED AT SHELVING, CASEWORK, RAILINGS, LIGHT FIXTURE, COUNTERTOP, ACCESSORIES AND MORE PER A2/A-512, TYP.
- PROVIDE 5/8" PLYWOOD BACKING PANELS AT ELECTRICAL ROOMS AND TELEVISION LOCATIONS FOR EQUIPMENT MOUNTING. PAINT TO MATCH WALLS.
- WALL TYPES SHOWN AS ARE SHOWN ON SHEET A-511. FOR OTHER WALLS SEE BUILDING AND WALL SECTIONS. FOR STANDARD STEEL STUD DETAILS SEE A-512.
- AT RECESSED CABINETS (ELECTRICAL PANELS, FEC AND ETC) IN FIRE RATED WALLS PROVIDE 5 SIDE COVERAGE OF GYP BD IN STUD WALLS TO MAINTAIN INTEGRITY OF FIRE WALL RATING PER C4/A-513.
- ALIGN FURRED WALLS AND STUD WALL FINISH FACE TYPICAL. U.N.O.
- ADA RESTROOMS MUST COMPLY WITH ADA WATER CLOSET MEASUREMENTS ON SHEET A-531.
- SEE CODE PLAN FOR LOCATION SMOKE AND FIRE RATED PARTITIONS, AND SOUND WALL LOCATIONS.
- EXTEND ALL WALLS SURROUNDING AN OPEN CEILING AREA TO DECK.

KEYNOTES

MARK	DESCRIPTION

LEGEND

	NEW CONSTRUCTION
	FUTURE CONSTRUCTION



A1 PLAN - DIMENSION
 1/8" = 1'-0"
 BASEMENT

NOT FOR CONSTRUCTION

PROJECT #: 821239
 DRAWN BY: NIELSON
 CHECKED BY: ZETTERQUIST
 ISSUED: 03.30.2022

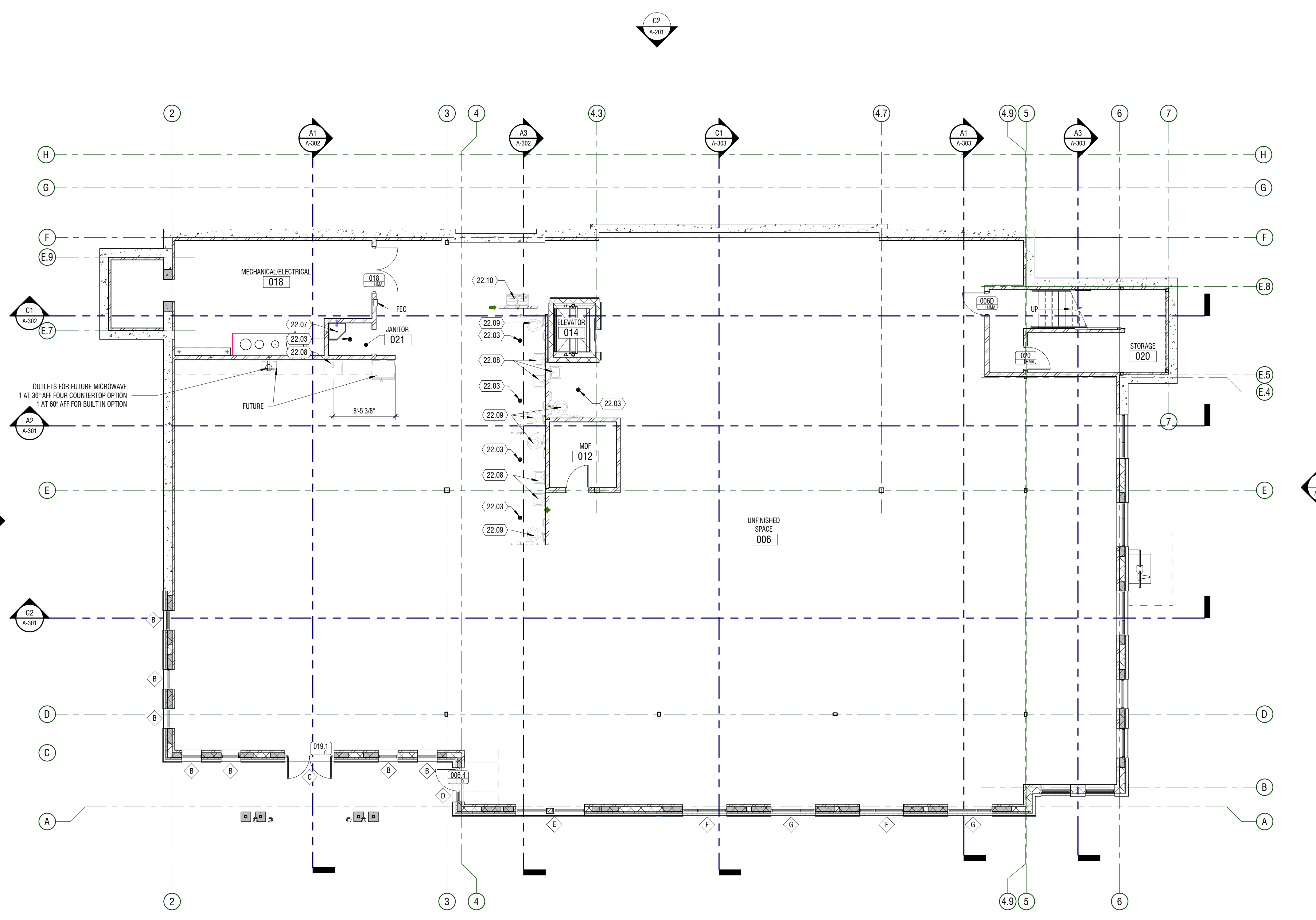
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GENERAL NOTES

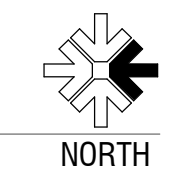
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- CONTRACTOR SHALL VERIFY LAY-OUT OF STRUCTURAL, MECHANICAL, AND ELECTRICAL.
- HOLLOW METAL FRAME AND ALUMINUM WINDOW TYPES (11) ARE SHOWN ON SHEET SERIES A-570. DIMENSIONS TO FRAMES WILL BE TO OUTSIDE EDGE OF FRAME. SEE BOTH THE FLOOR PLAN AND EXTERIOR ELEVATIONS FOR ALL WINDOW TYPE REFERENCES.
- SEE FINISH PLANS FOR SIGNAGE LOCATION, SIGNAGE SYMBOL.
- SEE SHEET SERIES G-??? & A-??? FOR ALL FIRE WALLS, SMOKE WALLS, WALLS TO CEILING LEVEL, SOUND WALLS.
- FEC = FIRE EXTINGUISHER IN SEMI-RECESSED CABINET
- XX(AT)01 INDICATES INTERIOR ROOM ELEVATIONS ON SHEET REFERENCED
- ROLLER SHADES PER FINISH PLANS
- AUTOMATIC DOOR ACTUATOR BUTTON LOCATION CALLED OUT WITH: |ADA

KEYNOTES

MARK	DESCRIPTION
22.03	FLOOR DRAIN - SEE PLUMBING
22.07	MOP SINK - SEE PLUMBING
22.08	ROUGH IN SINK; PROVIDE AND CAP WATER SUPPLY AND DRAINS
22.09	ROUGH IN FOR FUTURE TOILETS; PROVIDE AND CAP WATER SUPPLY AND DRAINS
22.10	ROUGH IN FOR FUTURE DRINKING FOUNTAIN; PROVIDE AND CAP WATER SUPPLY AND DRAINS



A1 PLAN - ANNOTATION
 BASEMENT
 1/8" = 1'-0"



NOT FOR CONSTRUCTION

MARK:	DATE:	DESCRIPTION:
PROJECT #:	821239	
DRAWN BY:	NIELSON	
CHECKED BY:	ZETTERQUIST	
ISSUED:	03.30.2022	

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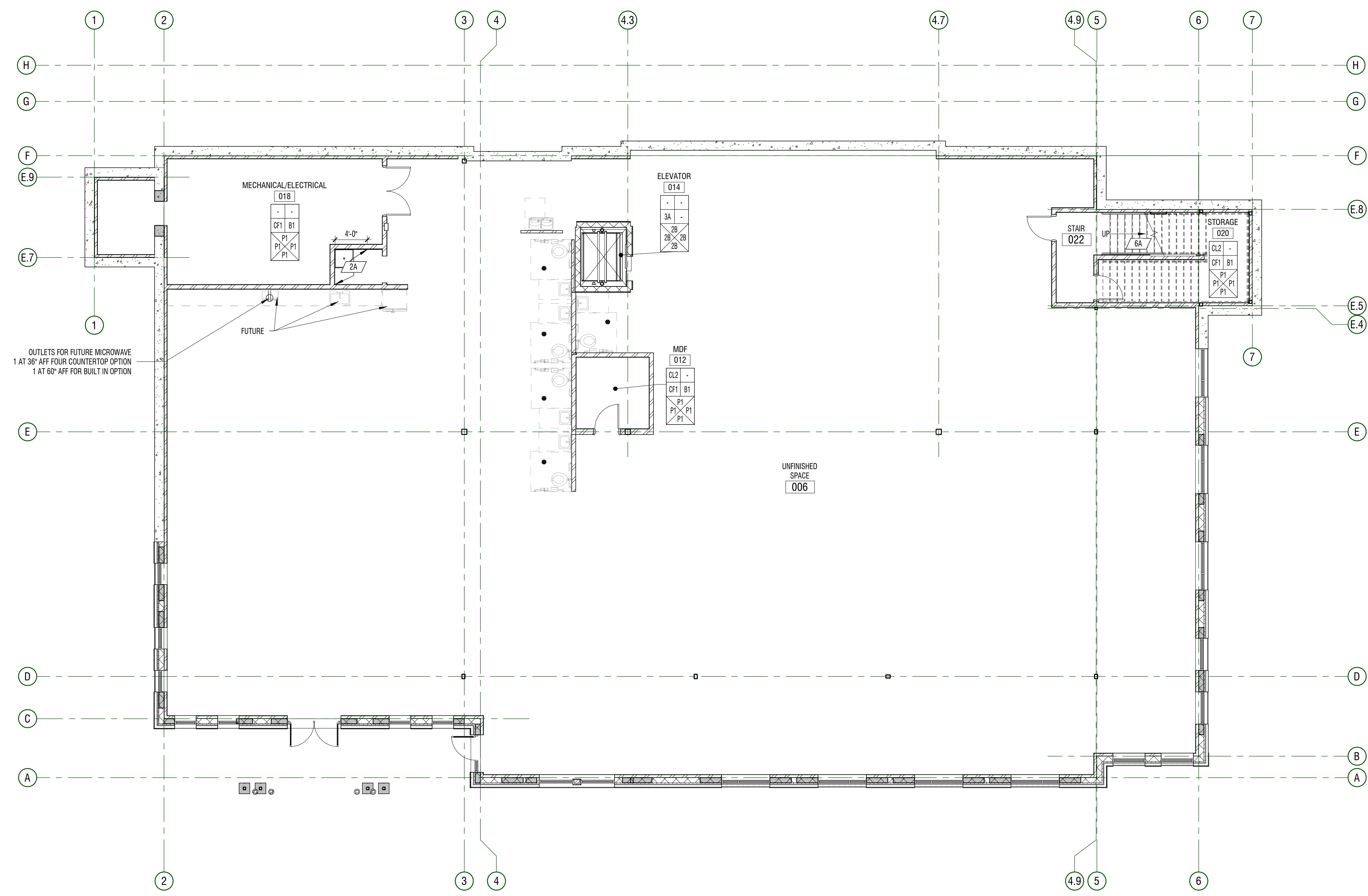
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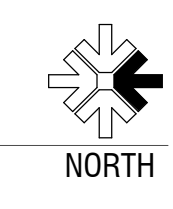
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- ROOM FINISH TAGS FOR EACH ROOM REPRESENT TYPICAL FINISHES. SPECIFIC WALLS IN SELECTED AREAS MAY HAVE MULTIPLE FINISHES WHICH WILL BE INDICATED IN INTERIOR ELEVATIONS.
- SEE INTERIOR ELEVATIONS FOR ADDITIONAL FINISH INFORMATION
- SEE REFLECTED CEILING PLANS FOR ADDITIONAL FINISH INFORMATION
- FOR FINISH LEGEND SEE A-691
- FLOOR MATERIAL TRANSITIONS WILL OCCUR BELOW DOORS, U.N.O. SEE TYPICAL TRANSITION DETAILS ON SHEET A-591
- POLISHED OR SEALED CONCRETE DOES EXTEND UNDER CASEWORK OR MILLWORK
- FLOOR COVERING DOES NOT EXTEND UNDER MILLWORK OR CASEWORK, U.N.O.
- FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OF CASEWORK AND FINISH ASSEMBLIES

LEGEND

- CEILING: MILLWORK
- FLOOR: BASE
- WALL: WALL
- WALL: WALL
- ROOM FINISH TAG
- FINISH TAG - INDICATES SPECIFIC APPLIED FINISH
- INDICATES FINISH IS APPLIED TO AREA BETWEEN ARROWS
- INDICATES FINISH IS APPLIED TO FACE OF SURFACE(S)
- INDICATES A MANUAL ROLLER SHADE.
- INDICATES A MOTORIZED ROLLER SHADE.
- INDICATES SIGNAGE LOCATION
- INDICATES CORNER GUARD



A1 PLAN - FINISH
 1/8" = 1'-0" BASEMENT



NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION

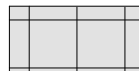











PROJECT #: 821239
 DRAWN BY: CHILDERS
 CHECKED BY: ZETTERQUIST
 ISSUED: 03.30.2022

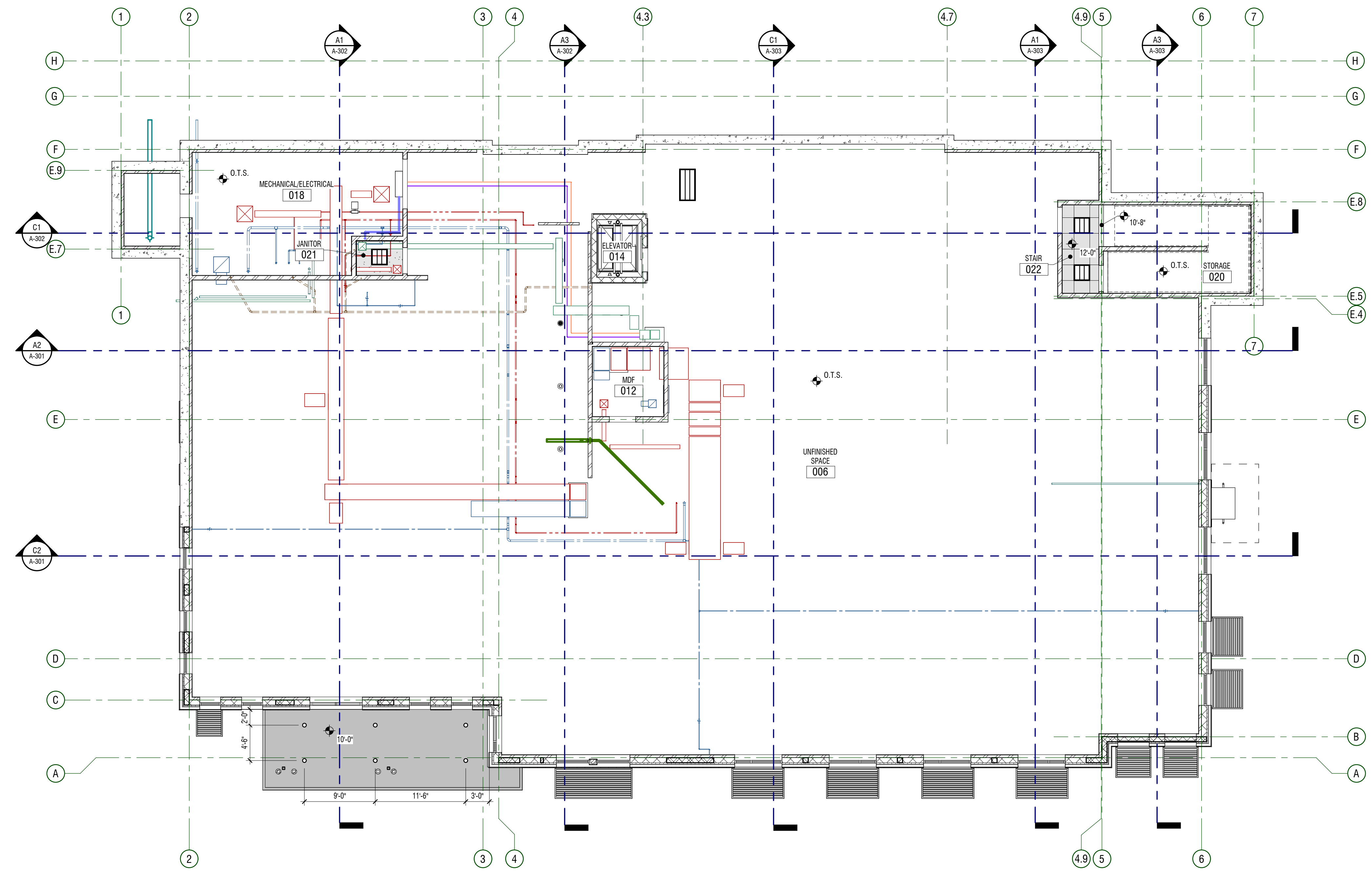
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GENERAL NOTES

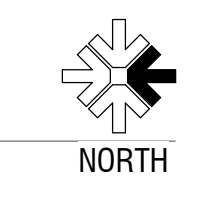
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- SEE A-691 LEGEND FOR FINISH LEGEND
- CEILING HEIGHT IS B.O. FINISHED CEILING HEIGHT ABOVE FINISHED FLOOR
- MEASUREMENTS SPECIFYING "EQ" = EQUAL LENGTH OR WIDTH TO FILL REMAINDER OF LENGTH REQUIRED
- CEILINGS WITH NO DIRECT MEASUREMENTS, ASSUME CEILING TO BE EQUALLY DISTANCED ON ALL SIDES OF ROOM
- FIXTURES IN OPEN TO STRUCTURE AREAS ARE DIMENSIONED FROM WALL OR CENTERLINE OF ROOM
- LIGHT FIXTURES WITH NO DIMENSIONS ARE TO BE CENTERED ON ROOM UNLESS OTHERWISE NOTED
- FIXTURES WITHIN A.C.T. TO BE CENTERED IN GRID UNLESS OTHERWISE NOTED
- FIXTURES ON GRID SHALL BE IN LINE WITH GRID CENTER ON CENTER UNLESS OTHERWISE NOTED
- ROLLER SHADES PER FINISH PLANS, COORDINATE MANUAL AND POWER LOCATIONS WITH THE ELECTRICAL AND FINISH PLANS.
- FIRE SPRINKLER HEADS, MOTION DETECTORS, LIGHT SENSORS, ETC. ARE TO BE CENTERED IN THE PANEL.
- WHERE LIGHTING OCCURS IN SLOPED CEILINGS, CENTER FIXTURES ON SLOPE

LEGEND

MATERIALS	
	2'-0" x 2'-0" SUSPENDED ACOUSTICAL LAY-IN CEILING SYSTEM
	PAINTED GYPSUM BOARD CEILINGS TYPICAL, U.N.O.
SYMBOLS	
	LIGHTING FIXTURES: 2x2 / 2x4 TROFFERS
	LINEAR FIXTURES
	RECESSED FIXTURE
	COVE UPLIGHTING
	SENSORS/SIGNS/ELEC./DATA: EXIT SIGN - SEE ELECTRICAL DRAWINGS
	OCCUPANCY SENSOR
	AIR GRILLES/ACCESS PANELS: EXHAUST
	SUPPLY / FRESH
	RETURN / RELIEF
	ACCESS PANEL



A1 PLAN - REFLECTED CEILING
 1/8" = 1'-0" BASEMENT



NOT FOR CONSTRUCTION

MARK:	DATE:	DESCRIPTION:

PROJECT #: 821239
 DRAWN BY: NIELSON
 CHECKED BY: ZETTERQUIST
 ISSUED: 03.30.2022

4/1/2022 12:42:20 PM Autodesk Docs: 821239 - North Logan City - Civic Center 821239-M.E.C. CIVIC CENTER-R002_V2_Typical.dwg

GENERAL NOTES

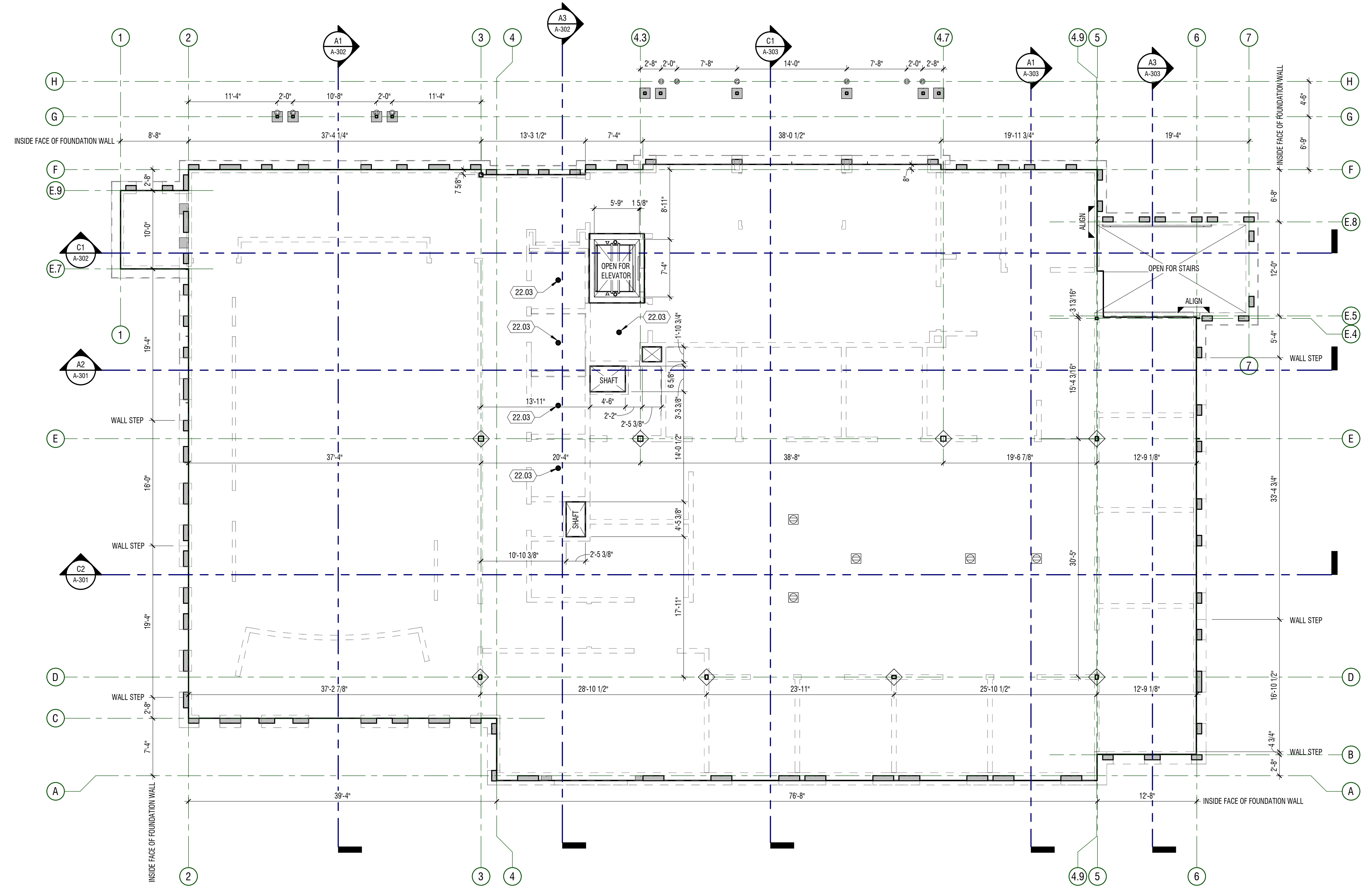
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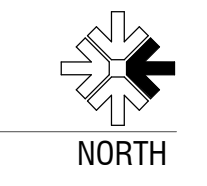
- WALLS TO BE FRAMED
- FOUNDATION WALLS
- SLAB EDGES

KEYNOTES

MARK	DESCRIPTION
22.03	FLOOR DRAIN - SEE PLUMBING



A1 PLAN - SLAB
 1/8" = 1'-0" MAIN FLOOR



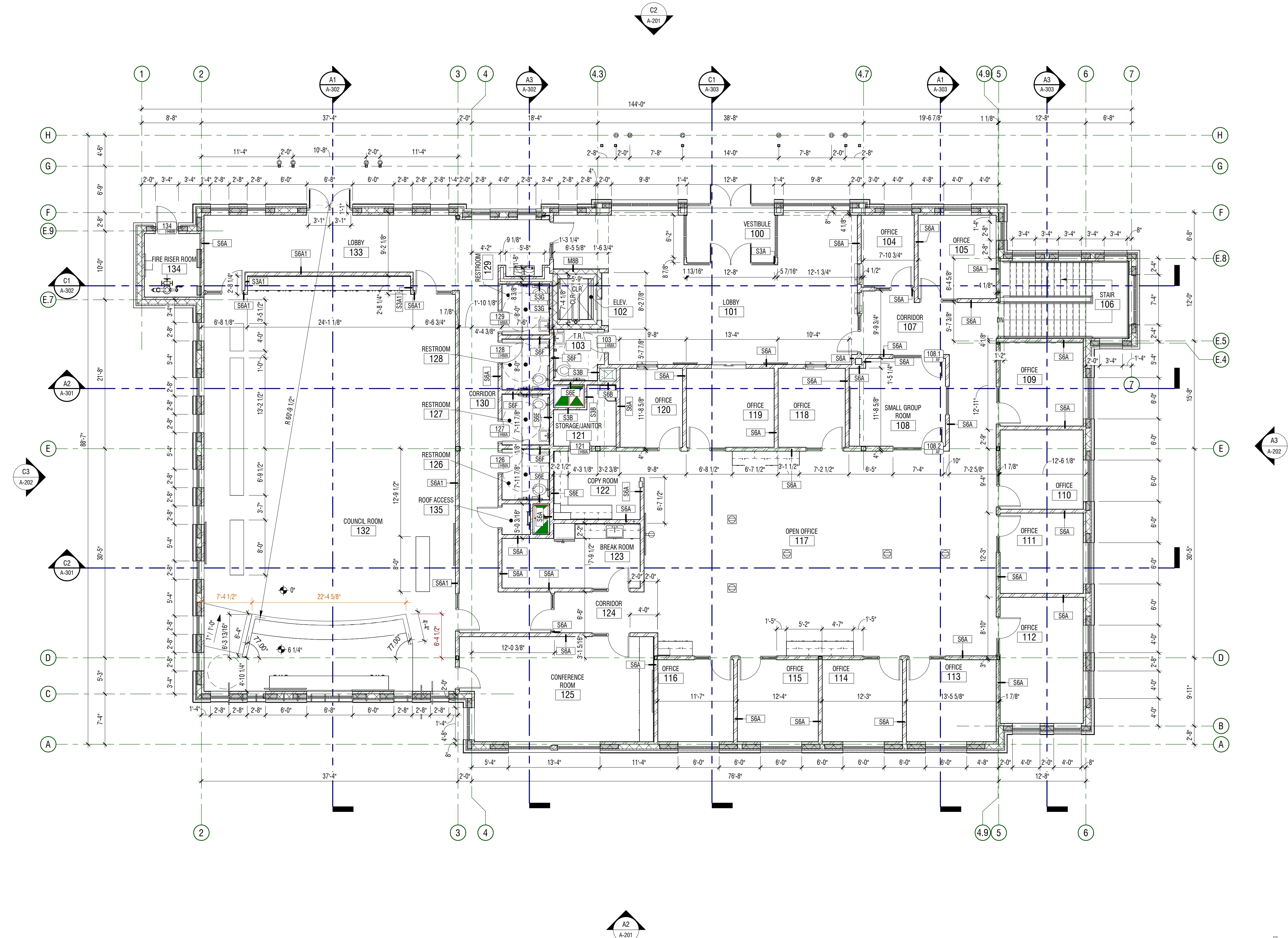
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PROJECT #:	821239
DRAWN BY:	NIELSON
CHECKED BY:	ZETTERQUIST
ISSUED:	03.30.2022

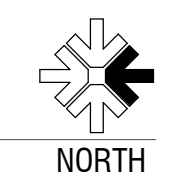
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- BLOCKING TO BE PROVIDED AT SHELVING, CASEWORK, RAILINGS, LIGHT FIXTURE, COUNTERTOP, ACCESSORIES AND MORE PER A2/A-512, TYP.
- PROVIDE 5/8" PLYWOOD BACKING PANELS AT ELECTRICAL ROOMS AND TELEVISION LOCATIONS FOR EQUIPMENT MOUNTING. PAINT TO MATCH WALLS.
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- ALIGN FURRED WALLS AND STUD WALL FINISH FACE TYPICAL. U.I.O.
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- SEE CODE PLAN FOR LOCATION SMOKE AND FIRE RATED PARTITIONS, AND SOUND WALL LOCATIONS.
- EXTEND ALL WALLS SURROUNDING AN OPEN CEILING AREA TO DECK.



A1 PLAN - DIMENSION
 1/8" = 1'-0" MAIN FLOOR



NOT FOR CONSTRUCTION

MARK:	DESCRIPTION:
DATE:	
PROJECT #:	821239
DRAWN BY:	NIELSON
CHECKED BY:	ZETTERQUIST
ISSUED:	03.30.2022

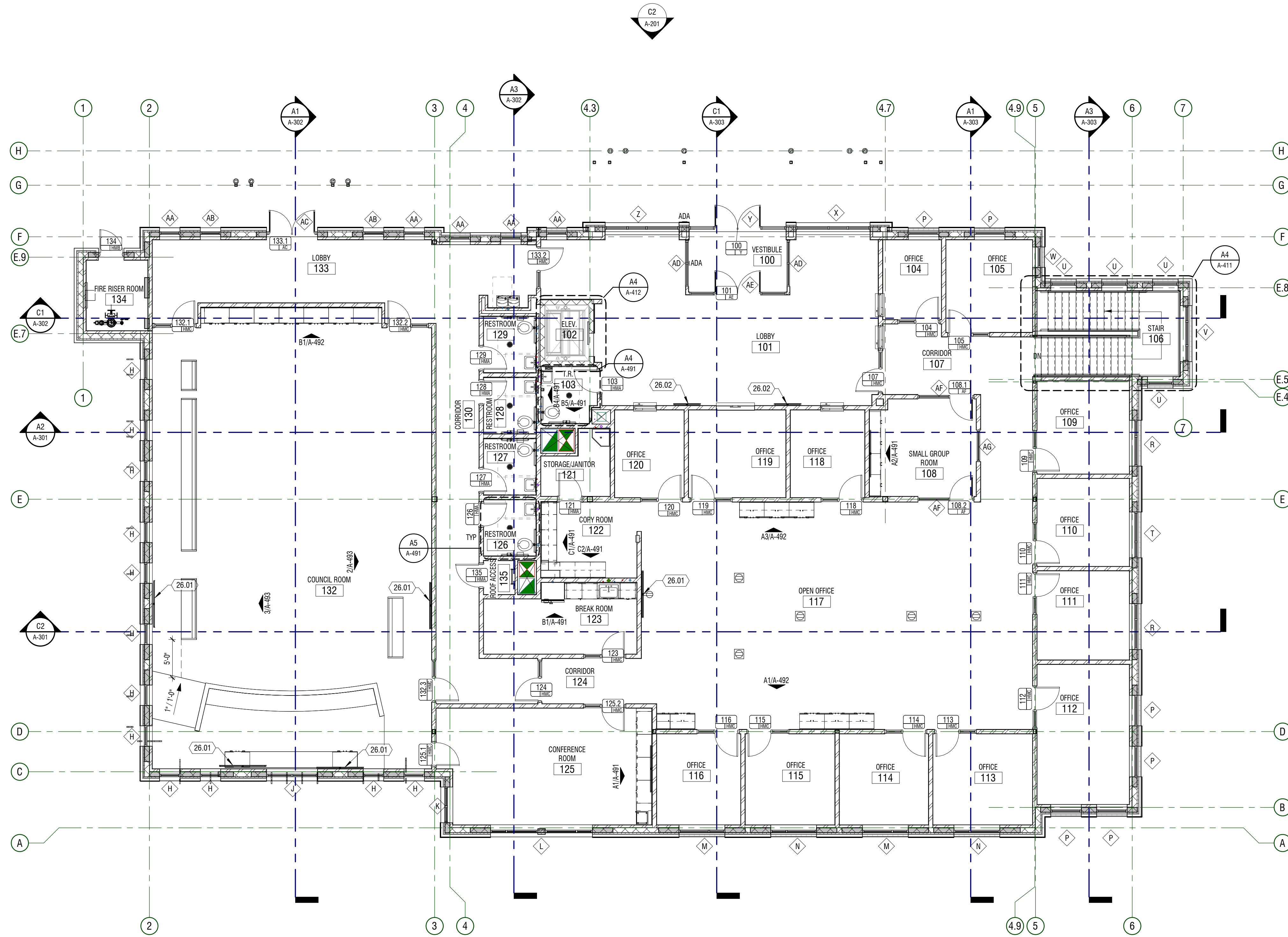
4/1/2022 12:42:27 PM Autodesk Docs: 8021239 - North Logan City - Civic Center 8021239-A1-C CIVIC CENTER-R0202_V2_Typemark.rvt

GENERAL NOTES

- KEYNOTES (#) THE FIRST TWO NUMBERS REPRESENT THE RELATED CSI MASTER FORMAT DIVISION. THE SECOND SET OF NUMBERS REPRESENTS AN IDENTIFYING MARK VALUE. NOT ALL VALUES MAY BE USED OR OCCUR IN THE DOCUMENT SET.
- ADDITIONALLY, KEYNOTES RETAIN THEIR ASSIGNED VALUE UNIVERSALLY THROUGHOUT THE SET. THE KEYNOTES LISTED BELOW, REPRESENT THE KEYNOTES FOUND AND UTILIZED ON THIS SHEET AND EACH LIST WILL DIFFER RESPECTIVE TO ITS SHEET. THEREFORE, BASED ON ACTUAL KEYNOTES UTILIZED ON A GIVEN SHEET OF DRAWINGS, GAPS IN THE SEQUENCING WILL OCCUR.
- CONTRACTOR SHALL VERIFY LAY-OUT OF STRUCTURAL, MECHANICAL, AND ELECTRICAL.
- HOLLOW METAL FRAME AND ALUMINUM WINDOW TYPES (11) ARE SHOWN ON SHEET SERIES A-570. DIMENSIONS TO FRAMES WILL BE TO OUTSIDE EDGE OF FRAME. SEE BOTH THE FLOOR PLAN AND EXTERIOR ELEVATIONS FOR ALL WINDOW TYPE REFERENCES
- SEE FINISH PLANS FOR SIGNAGE LOCATION, SIGNAGE SYMBOL
- SEE SHEET SERIES G-??? & A-??? FOR ALL FIRE WALLS, SMOKE WALLS, WALLS TO CEILING LEVEL, SOUND WALLS
- FEC = FIRE EXTINGUISHER IN SEMI-RECESSED CABINET
- XX(A101) INDICATES INTERIOR ROOM ELEVATIONS ON SHEET REFERENCED
- ROLLER SHADES PER FINISH PLANS
- AUTOMATIC DOOR ACTUATOR BUTTON LOCATION CALLED OUT WITH: ADA

KEYNOTES

#	DESCRIPTION
26.01	WALL MOUNTED TV/MONITOR - SEE ELECTRICAL
26.02	WALL MOUNTED TV/MONITOR (VERTICAL) - SEE ELECTRICAL



A1 PLAN - ANNOTATION
 1/8" = 1'-0" MAIN FLOOR



NOT FOR CONSTRUCTION

PROJECT #: 821239
 DRAWN BY: NELSON
 CHECKED BY: ZETTERQUIST
 ISSUED: 03.30.2022

PLAN - MAIN - ANNOTATION

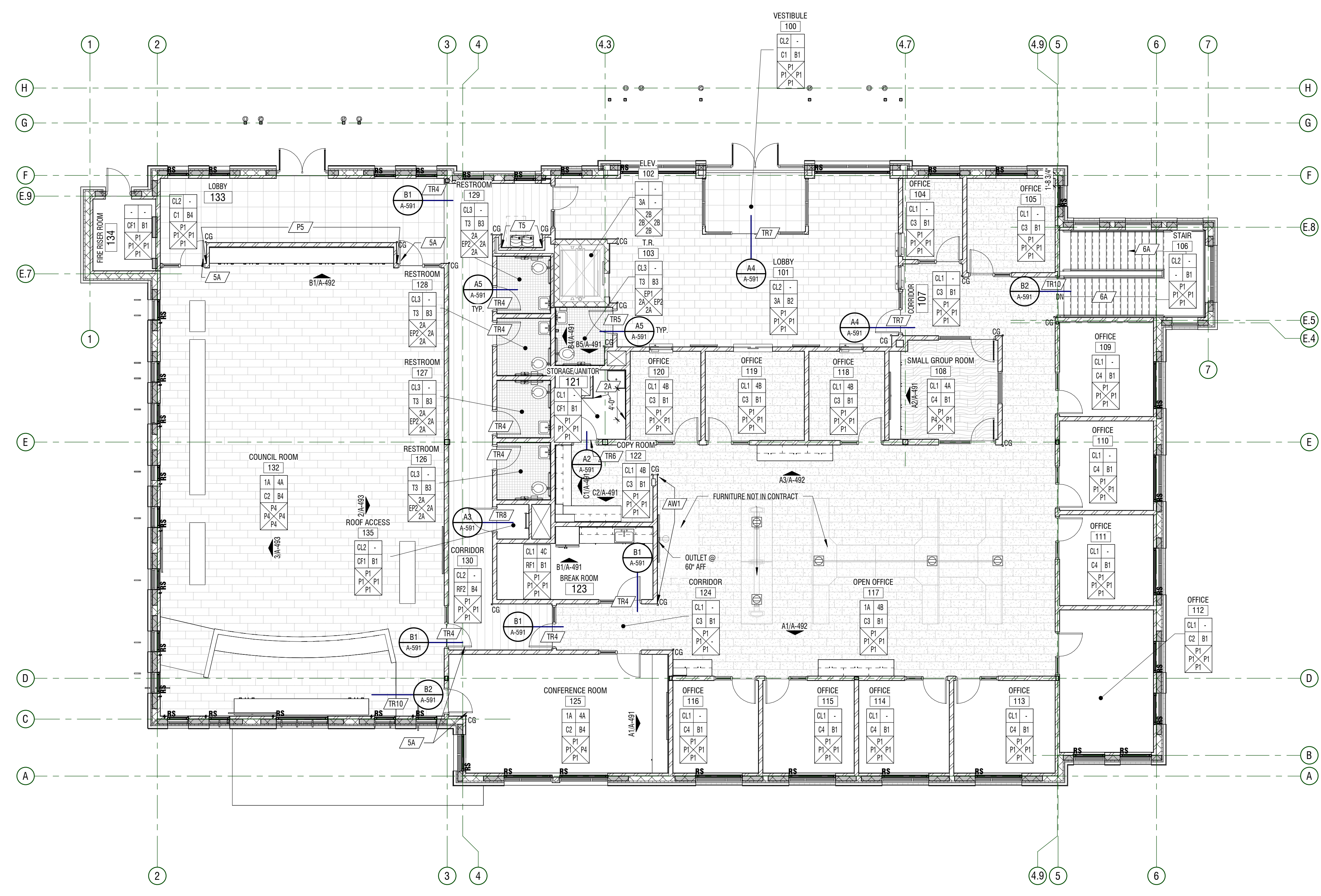
A-101.2

GENERAL NOTES

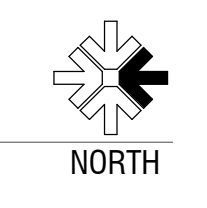
- LEGAL NOTICE: THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT ARE COMPOSED OF SETS OF DRAWINGS AND SPECIFICATIONS, AND THEREFORE SHALL BE USED AND MAINTAINED IN THEIR ENTIRETY. ANY CONTRACTOR, SUBCONTRACTOR, VENDOR OR PARTY PARTICIPATING IN OR BIDDING ON THIS PROJECT SHALL BE EXPECTED TO PERFORM DUE DILIGENCE TO ENSURE THEIR BID, WORK PERFORMED, AND MATERIALS PROVIDED CONFORMS TO THE INFORMATION PROVIDED WITHIN ANY AND ALL SHEETS OF DRAWINGS AND SPECIFICATIONS, INCLUDING, BUT NOT LIMITED TO, ANY SUBSEQUENT ADDENDA OR CLARIFICATIONS THAT MAY BE ISSUED RELEVANT TO THEIR SCOPE OF WORK. PROJECT SCOPE MAY BE DEFINED WITHIN SPECIFICATIONS AND/OR DRAWINGS.
- ADDITIONALLY, DRAWINGS MAY NOT BE RE-SCALED WHEN PRINTED. WRITTEN DIMENSIONS SHALL HAVE PRECEDENCE, AND LARGER SCALE DRAWINGS SHALL HAVE PRECEDENCE OVER SMALLER SCALE DRAWINGS.
- ANY DEVIATION FROM OR CONFLICT WITHIN THE DRAWINGS AND/OR SPECIFICATIONS, MUST BE SUBMITTED TO AND APPROVED BY THE ARCHITECT PRIOR TO BID OR BEFORE CONTINUING THAT PORTION OF WORK.
- ROOM FINISH TAGS FOR EACH ROOM REPRESENT TYPICAL FINISHES. SPECIFIC WALLS IN SELECTED AREAS MAY HAVE MULTIPLE FINISHES WHICH WILL BE INDICATED IN INTERIOR ELEVATIONS.
- SEE INTERIOR ELEVATIONS FOR ADDITIONAL FINISH INFORMATION
- SEE REFLECTED CEILING PLANS FOR ADDITIONAL FINISH INFORMATION
- FOR FINISH LEGEND SEE A-691
- FLOOR MATERIAL TRANSITIONS WILL OCCUR BELOW DOORS. U.N.O. SEE TYPICAL TRANSITION DETAILS ON SHEET A-591
- POLISHED OR SEALED CONCRETE DOES EXTEND UNDER CASEWORK OR MILLWORK
- FLOOR COVERING DOES NOT EXTEND UNDER MILLWORK OR CASEWORK, U.N.O.
- FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OF CASEWORK AND FINISH ASSEMBLIES

LEGEND

- CEILING: MILLWORK
- FLOOR: BASE
- WALL: WALL
- WALL: WALL
- ROOM FINISH TAG
- FINISH TAG - INDICATES SPECIFIC APPLIED FINISH
- INDICATES FINISH IS APPLIED TO AREA BETWEEN ARROWS
- INDICATES FINISH IS APPLIED TO FACE OF SURFACE(S)
- INDICATES A MANUAL ROLLER SHADE.
- INDICATES A MOTORIZED ROLLER SHADE.
- INDICATES SIGNAGE LOCATION
- INDICATES CORNER GUARD



A1 PLAN - FINISH
 1/8" = 1'-0" MAIN FLOOR



NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION

PROJECT #: 821239
 DRAWN BY: CHILDERS
 CHECKED BY: ZETTERQUIST
 ISSUED: 03.30.2022

4/1/2022 12:42:25 PM Autodesk Docs 1821239 - North Logan City - Civic Center 1821239-M-C-CIVIC CENTER-R002_V2_TypicalMark.rvt

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GENERAL NOTES

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- CONTRACTOR SHALL COORDINATE LAY-OUT OF STRUCTURAL, MECHANICAL, SPRINKLER AND ELECTRICAL. NOTIFY ARCHITECT OF ANY CONFLICTS.
- ALL INTERIOR DIMENSIONS ARE TO FROM FACE OF STUD / MASONRY. ALL EXTERIOR DIMENSIONS ARE TO FROM FACE OF GRID FOUNDATION. DIMENSIONS MARKED 'CLR' OR 'CLR' ARE FROM FACE OF FINISH TO FACE OF FINISH AND SHALL BE MAINTAINED AND CANNOT BE FIELD ADJUSTED WITHOUT PRIOR APPROVAL OF THE ARCHITECT.
- SEE A-691 LEGEND FOR FINISH LEGEND
- CEILING HEIGHT IS B.O. FINISHED CEILING HEIGHT ABOVE FINISHED FLOOR
- MEASUREMENTS SPECIFYING 'EQ' = EQUAL LENGTH OR WIDTH TO FILL REMAINDER OF LENGTH REQUIRED
- CEILINGS WITH NO DIRECT MEASUREMENTS, ASSUME CEILING TO BE EQUALLY DISTANCED ON ALL SIDES OF ROOM
- FIXTURES IN OPEN TO STRUCTURE AREAS ARE DIMENSIONED FROM WALL OR CENTERLINE OF ROOM
- LIGHT FIXTURES WITH NO DIMENSIONS ARE TO BE CENTERED ON ROOM UNLESS OTHERWISE NOTED
- FIXTURES WITHIN A.C.T. TO BE CENTERED IN GRID UNLESS OTHERWISE NOTED
- FIXTURES ON GRID SHALL BE IN LINE WITH GRID CENTER ON CENTER UNLESS OTHERWISE NOTED
- ROLLER SHADES PER FINISH PLANS, COORDINATE MANUAL AND POWER LOCATIONS WITH THE ELECTRICAL AND FINISH PLANS.
- FIRE SPRINKLER HEADS, MOTION DETECTORS, LIGHT SENSORS, ETC. ARE TO BE CENTERED IN THE PANEL.
- WHERE LIGHTING OCCURS IN SLOPED CEILINGS, CENTER FIXTURES ON SLOPE

KEYNOTES

MARK	DESCRIPTION
26.03	CEILING MOUNTED PROJECTOR - SEE ELECTRICAL
26.04	RECESSED IN CEILING, ROLL-UP PROJECTOR SCREEN

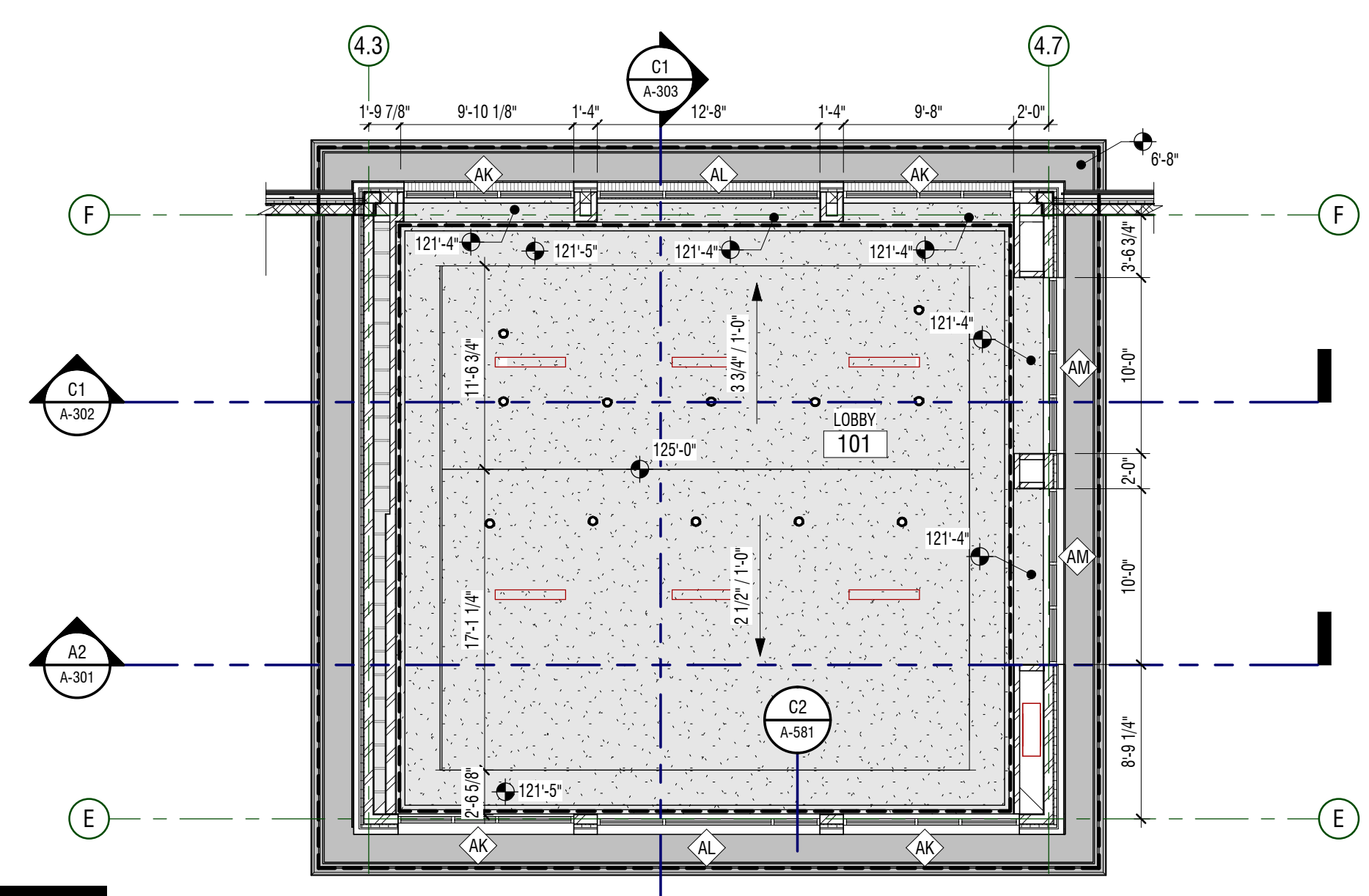
LEGEND

MATERIALS	
	2'-0" x 2'-0" SUSPENDED ACOUSTICAL LAY-IN CEILING SYSTEM
	PAINTED GYPSUM BOARD CEILINGS TYPICAL, U.N.O.

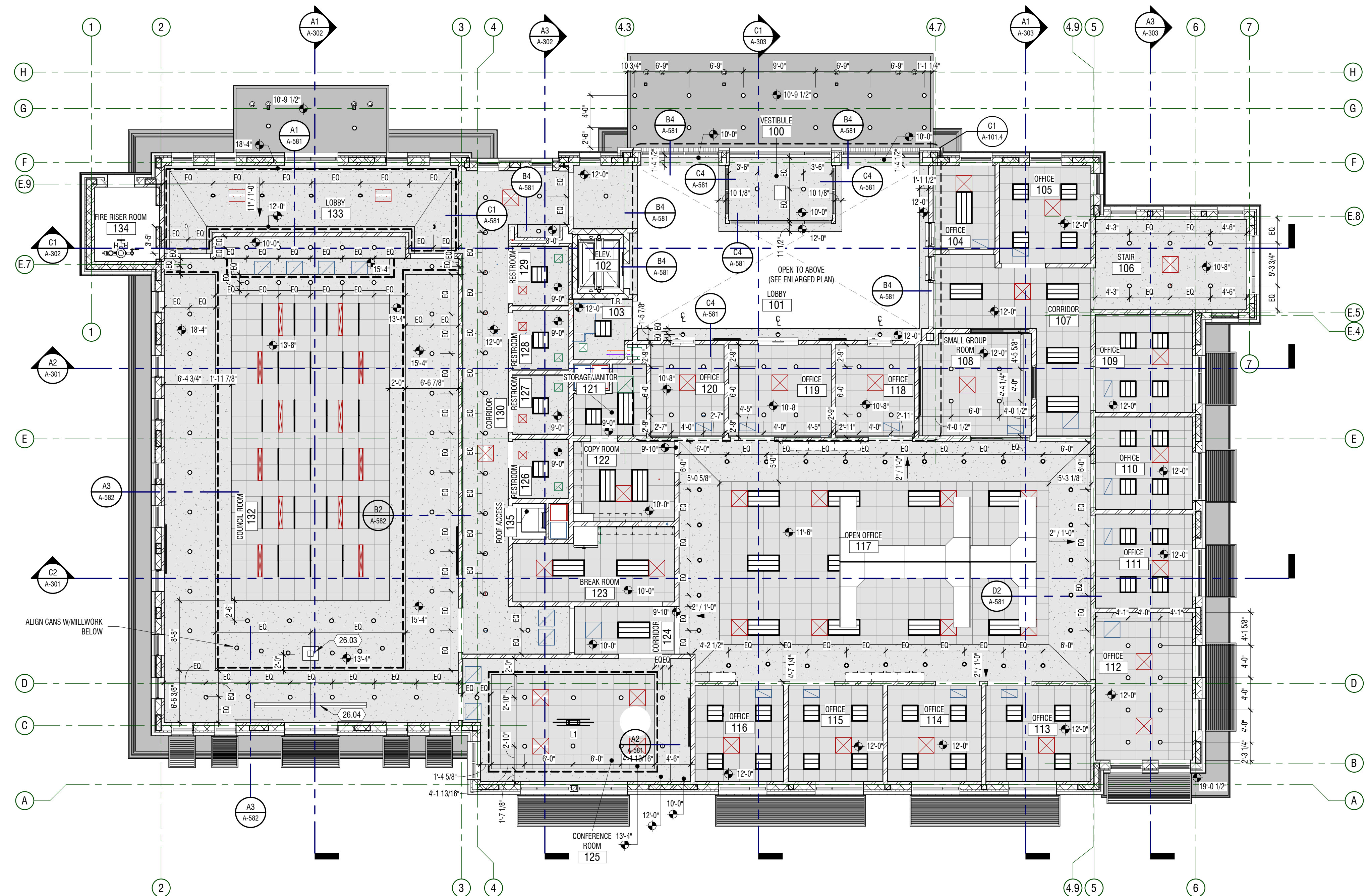
SYMBOLS	
	LIGHTING FIXTURES: 2x2 / 2x4 TROFFERS
	LINEAR FIXTURES
	RECESSED FIXTURE
	COVE LIGHTING

SENSORS/SIGNS/ELEC./DATA:	
	EXIT SIGN - SEE ELECTRICAL DRAWINGS
	OCCUPANCY SENSOR

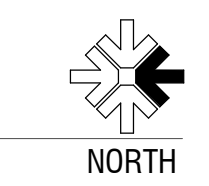
AIR GRILLES/ACCESS PANELS:	
	EXHAUST
	SUPPLY / FRESH
	RETURN / RELIEF
	ACCESS PANEL



C1 ENLARGED PLAN
 1/8" = 1'-0" @ LOBBY



A1 PLAN - REFLECTED CEILING
 1/8" = 1'-0" MAIN FLOOR



4/1/2022 12:42:28 PM Autodesk Docs: 8021239 - North Logan City - Civic Center: 8021239 - 12_TrofferMark.rvt

PROJECT #: 821239
 DRAWN BY: NIELSON
 CHECKED BY: ZETTERQUIST
 ISSUED: 03.30.2022

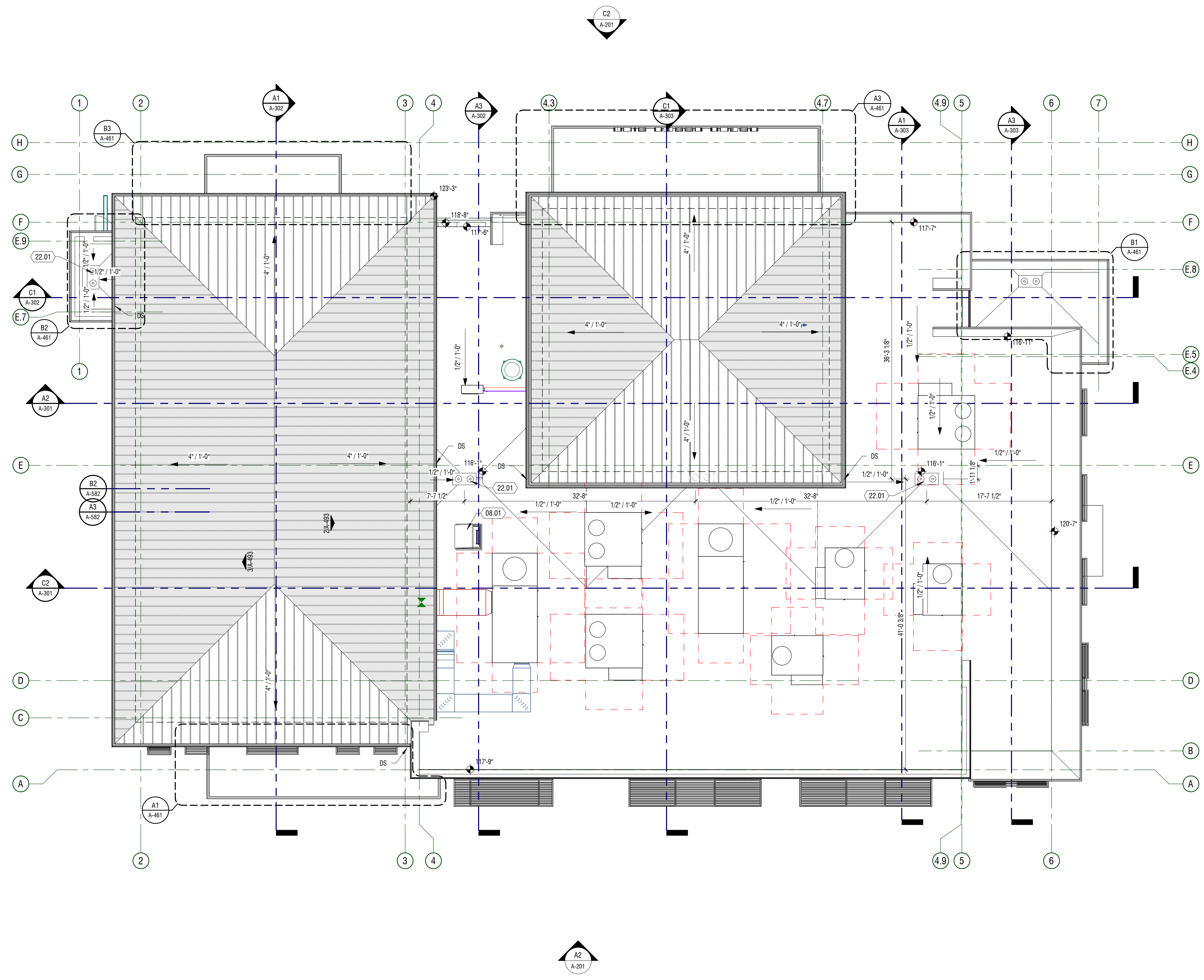
PLAN - MAIN - REFLECTED CEILING
A-101.4

GENERAL NOTES

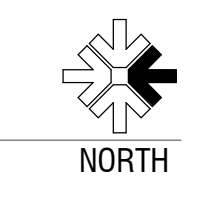
- KEYNOTES: THE FIRST TWO NUMBERS REPRESENT THE RELATED CSI MASTER FORMAT DIVISION, THE SECOND SET OF NUMBERS REPRESENTS AN IDENTIFYING MARK VALUE. NOT ALL VALUES MAY BE USED OR OCCUR IN THE DOCUMENT SET.
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- ALL INTERIOR DIMENSIONS ARE TO FROM FACE OF STUD / MASONRY. ALL EXTERIOR DIMENSIONS ARE TO FROM FACE OF GRID FOUNDATION. DIMENSIONS MARKED 'CLEAR' OR 'CLR' ARE FROM FACE OF FINISH TO FACE OF FINISH AND SHALL BE MAINTAINED AND CANNOT BE FIELD ADJUSTED WITHOUT PRIOR APPROVAL OF THE ARCHITECT.
- PLAN INDICATES MAJOR ROOF PENETRATIONS. THIS DOES NOT REPRESENT ALL PENETRATIONS BY UTILITIES. SEE MECHANICAL AND PLUMBING PLANS FOR ADDITIONAL INFORMATION.
- ALL MECHANICAL AND OTHER PENETRATIONS SHALL BE FLASHED ACCORDING TO ROOF MANUFACTURER STANDARDS AND SPECIFICATIONS TO MAINTAIN ROOF MEMBRANE WARRANTY. PENETRATION LOCATIONS TO BE COORDINATED WITH MANUFACTURE PRIOR TO INSTALLATION. PITCH POCKETS ARE NOT ALLOWED.
- PROVIDE ELECTROLYSIS SEPARATION BETWEEN DISSIMILAR MATERIAL CONNECTIONS
- CRICKETS SHOWN IN ROOF PLAN MAY NOT BE REFLECTED IN BUILDING SECTIONS OR DETAILS
- ALL FIELDS SLOPE TO ROOF DRAINS. CRICKETS SHOWN ARE FOR GENERAL REFERENCE AND MAY NOT INCLUDE ALL SITUATIONS WHERE CRICKETS ARE REQUIRED. INSTALLER IS RESPONSIBLE TO CRICKET AS REQUIRED TO PREVENT UNNECESSARY BUILD-UP OR DAMMING OF WATER ALONG WALLS, CURBS, ETC.
- PROVIDE 2x2 ROOF WALKWAY PADS FROM ROOF HATCH TO AND AROUND ALL MECHANICAL UNITS, ROOF TOP EQUIPMENT, SOLAR PANELS, ETC.

KEYNOTES

#	DESCRIPTION
08.01	ROOF ACCESS HATCH
22.01	ROOF DRAIN - SEE PLUMBING



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



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 ISSUED: 03.30.2022

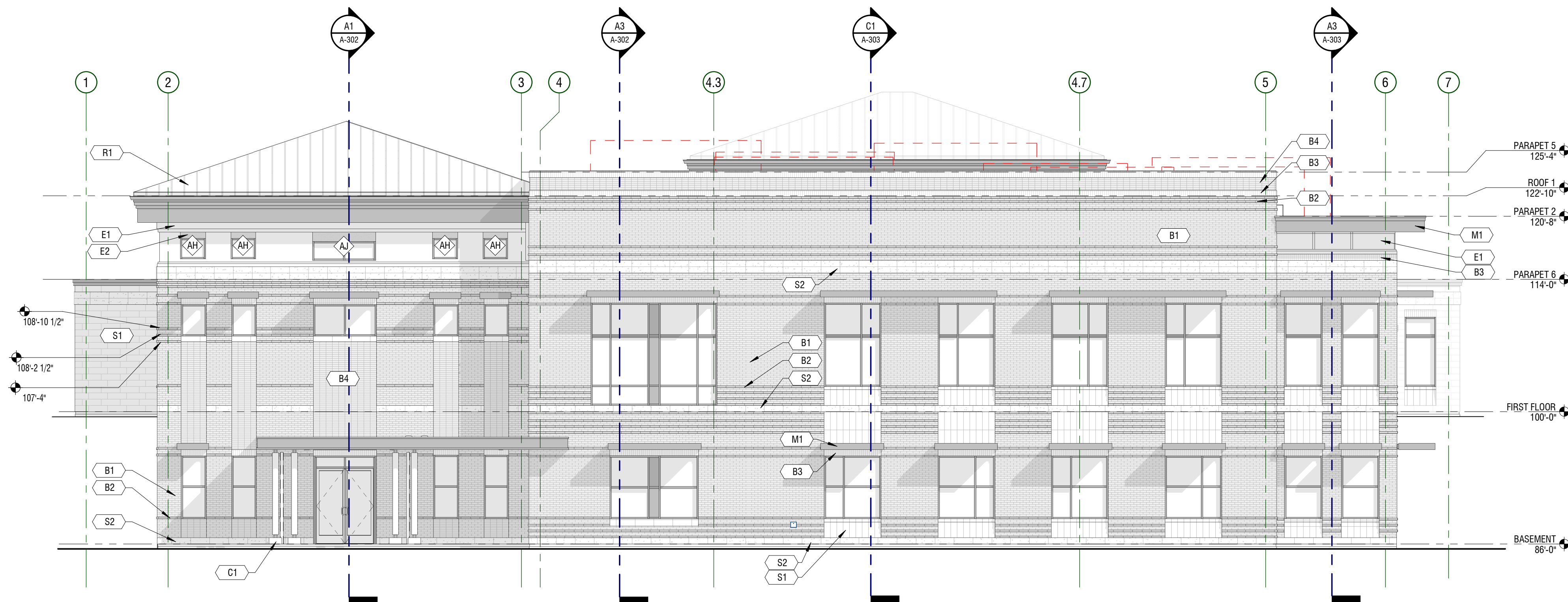
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EXTERIOR MATERIALS

MARK	DESCRIPTION
B1	2-1/4" MODULAR COMMERCIAL BRICK (RUNNING COURSE) - COLOR: CEDAR
B2	2-1/4" MODULAR COMMERCIAL BRICK (ACCENT COURSE) - COLOR: MONTEREY
B3	2-1/4" MODULAR COMMERCIAL BRICK (SOLDER COURSE) - COLOR: TUMBLEWEED
B4	2-1/4" MODULAR COMMERCIAL BRICK (STACKED COURSE) - COLOR: CEDAR
C1	CONCRETE - CAST-IN-PLACE
E1	STUCCO, COLOR: LIGHT (TBD)
E2	STUCCO, COLOR: DARK (TBD)
M1	ANODIZED ALUMINUM, COLOR: DARK BRONZE
M2	ALUMINUM COLUMN WRAP
R1	STANDING SEAM METAL ROOF, COLOR: BY ARCHITECT
S1	ARRISCRAFT-FULL BED STONE, GEORGIA RENAISSANCE (SMOOTH FACE), COLOR: LIMESTONE
S2	ARRISCRAFT-FULL BED STONE, GEORGIA RENAISSANCE (SPLIT FACE), COLOR: LIMESTONE
DIVISION 04: UNIT MASONRY	
M13	SPLIT FACE CMU (COLOR: SANDSTONE)(OFFSET: NONE)



C2 EAST ELEVATION
1/8" = 1'-0"



A2 WEST ELEVATION
1/8" = 1'-0"

DESCRIPTION:

DATE:

MARK:

PROJECT #: 821239
DRAWN BY: NIELSON
CHECKED BY: ZETTERQUIST
ISSUED: 03.30.2022

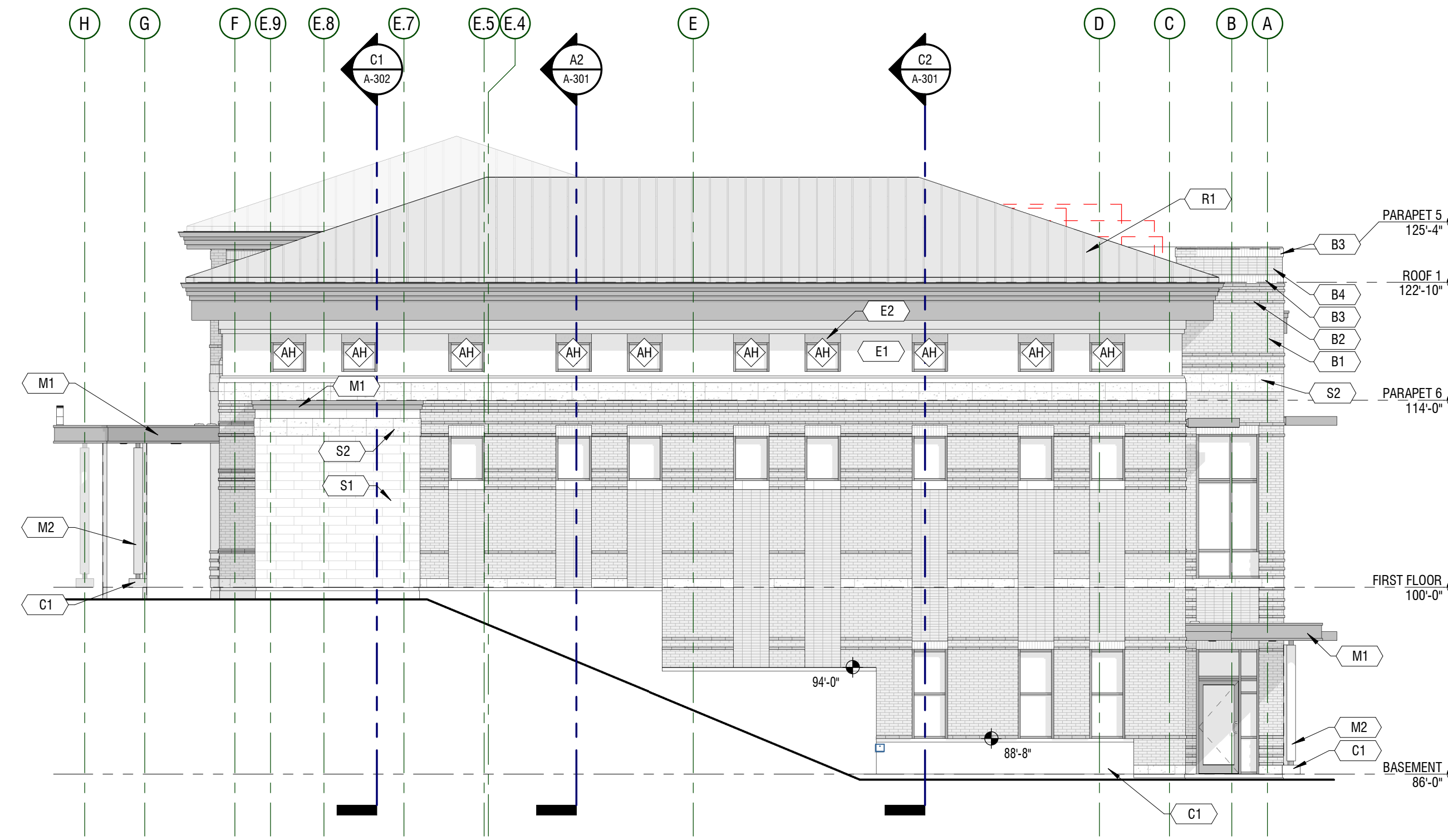
NOT FOR CONSTRUCTION

ELEVATIONS - EXTERIOR

A-201

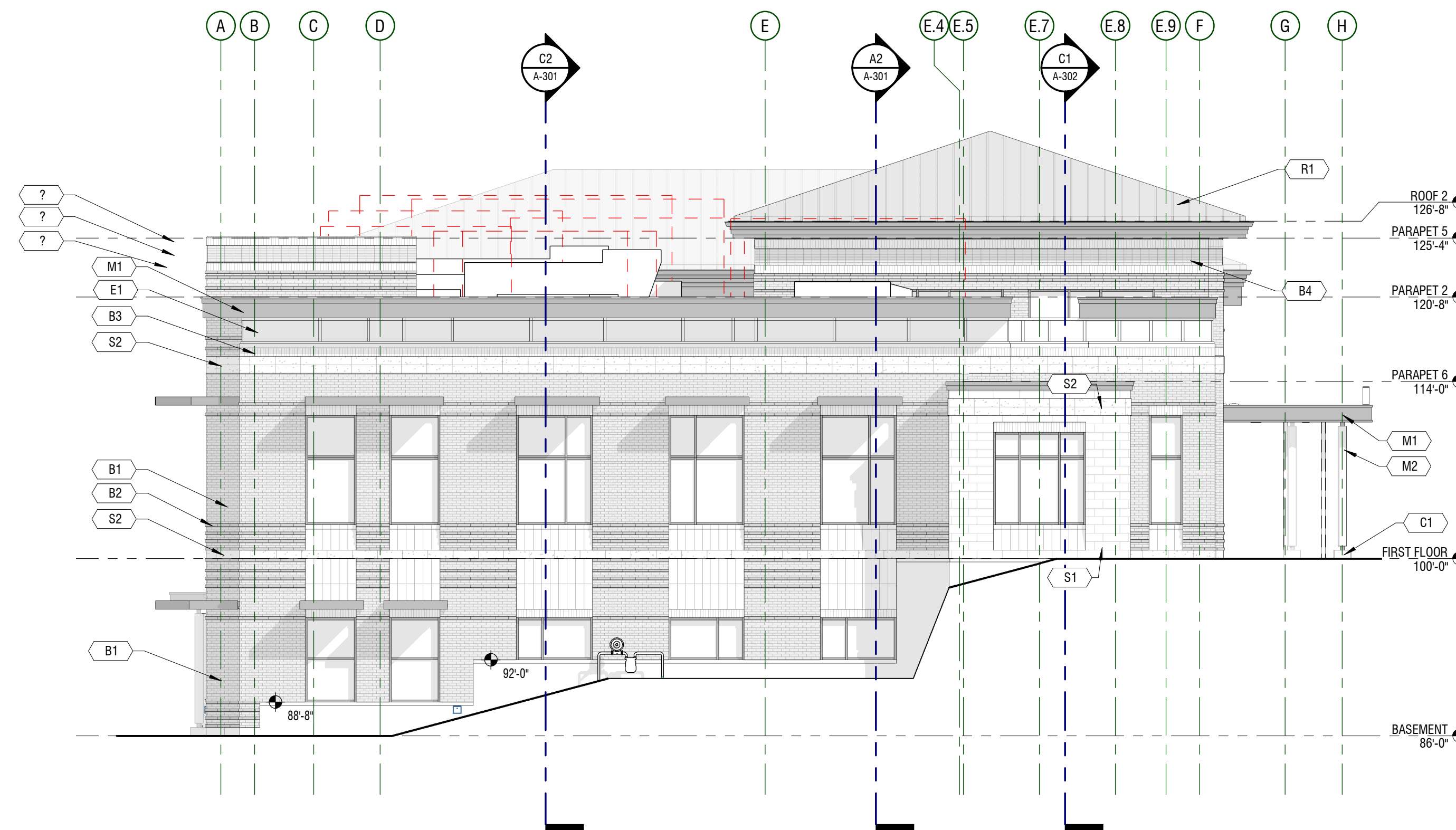
EXTERIOR MATERIALS

MARK	DESCRIPTION
B1	2-1/4" MODULAR COMMERCIAL BRICK (RUNNING COURSE) - COLOR: CEDAR
B2	2-1/4" MODULAR COMMERCIAL BRICK (ACCENT COURSE) - COLOR: MONTEREY
B3	2-1/4" MODULAR COMMERCIAL BRICK (SOLDER COURSE) - COLOR: TUMBLEWEED
B4	2-1/4" MODULAR COMMERCIAL BRICK (STACKED COURSE) - COLOR: CEDAR
C1	CONCRETE - CAST-IN-PLACE
E1	STUCCO, COLOR: LIGHT (TBD)
E2	STUCCO, COLOR: DARK (TBD)
M1	ANODIZED ALUMINUM, COLOR: DARK BRONZE
M2	ALUMINUM COLUMN WRAP
R1	STANDING SEAM METAL ROOF, COLOR: BY ARCHITECT
S1	ARRISCRAFT-FULL BED STONE, GEORGIA RENAISSANCE (SMOOTH FACE), COLOR: LIMESTONE
S2	ARRISCRAFT-FULL BED STONE, GEORGIA RENAISSANCE (SPLIT FACE), COLOR: LIMESTONE
DIVISION 04: UNIT MASONRY	
M13	SPLIT FACE CMU (COLOR: SANDSTONE)(OFFSET: NONE)



C3 NORTH ELEVATION

1/8" = 1'-0"



A3 SOUTH ELEVATION

1/8" = 1'-0"

design west architects
LOGAN UT 84321
SALT LAKE CITY UT 84103
255 SOUTH 300 WEST
795 NORTH 400 WEST

NORTH LOGAN CITY - CIVIC CENTER
APPROXIMATELY 2515 N 600 E
NORTH LOGAN, UT
NORTH LOGAN CITY

DESCRIPTION:

DATE:

MARK:

PROJECT #: 821239

DRAWN BY: NIELSON

CHECKED BY: ZETTERQUIST

ISSUED: 03.30.2022

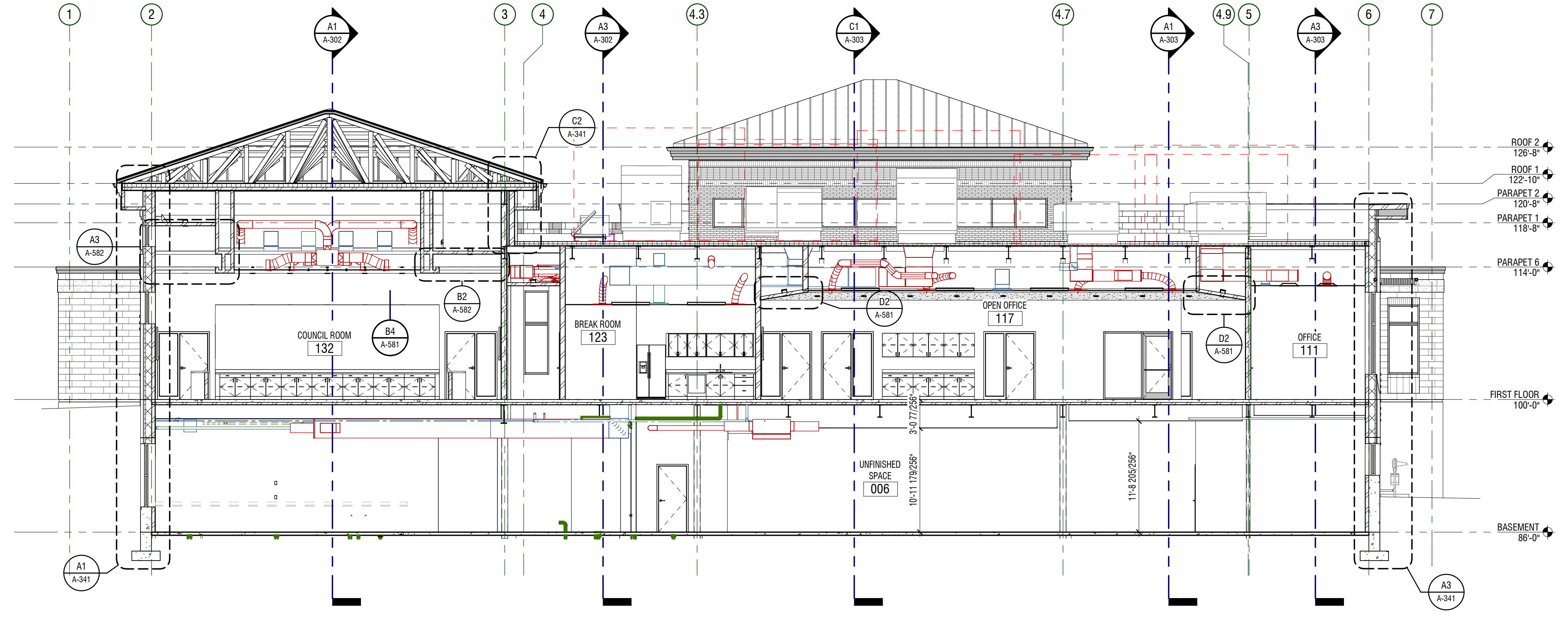
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ELEVATIONS - EXTERIOR

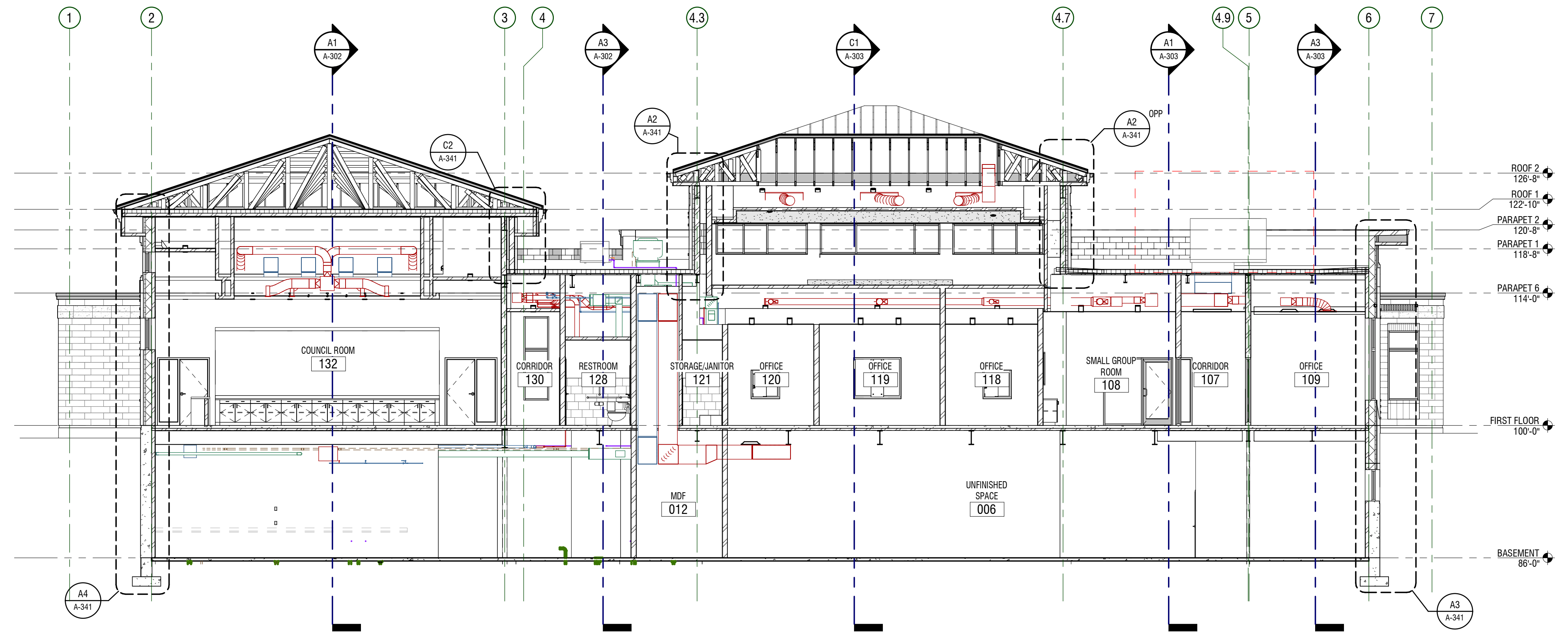
A-202

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C2 SECTION - BUILDING
1/8" = 1'-0"



A2 SECTION - BUILDING
1/8" = 1'-0"

MARK	DATE	DESCRIPTION

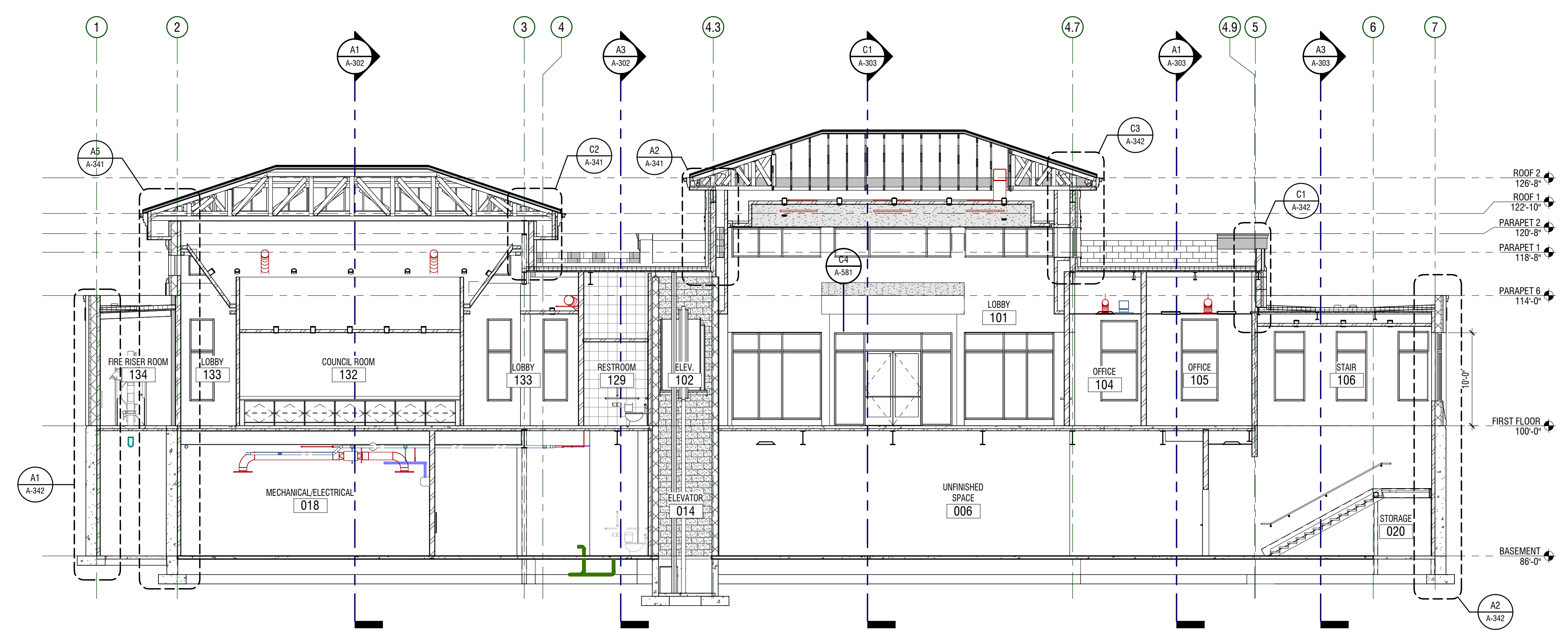
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DRAWN BY: NIELSON
CHECKED BY: ZETTERQUIST
ISSUED: 03.30.2022

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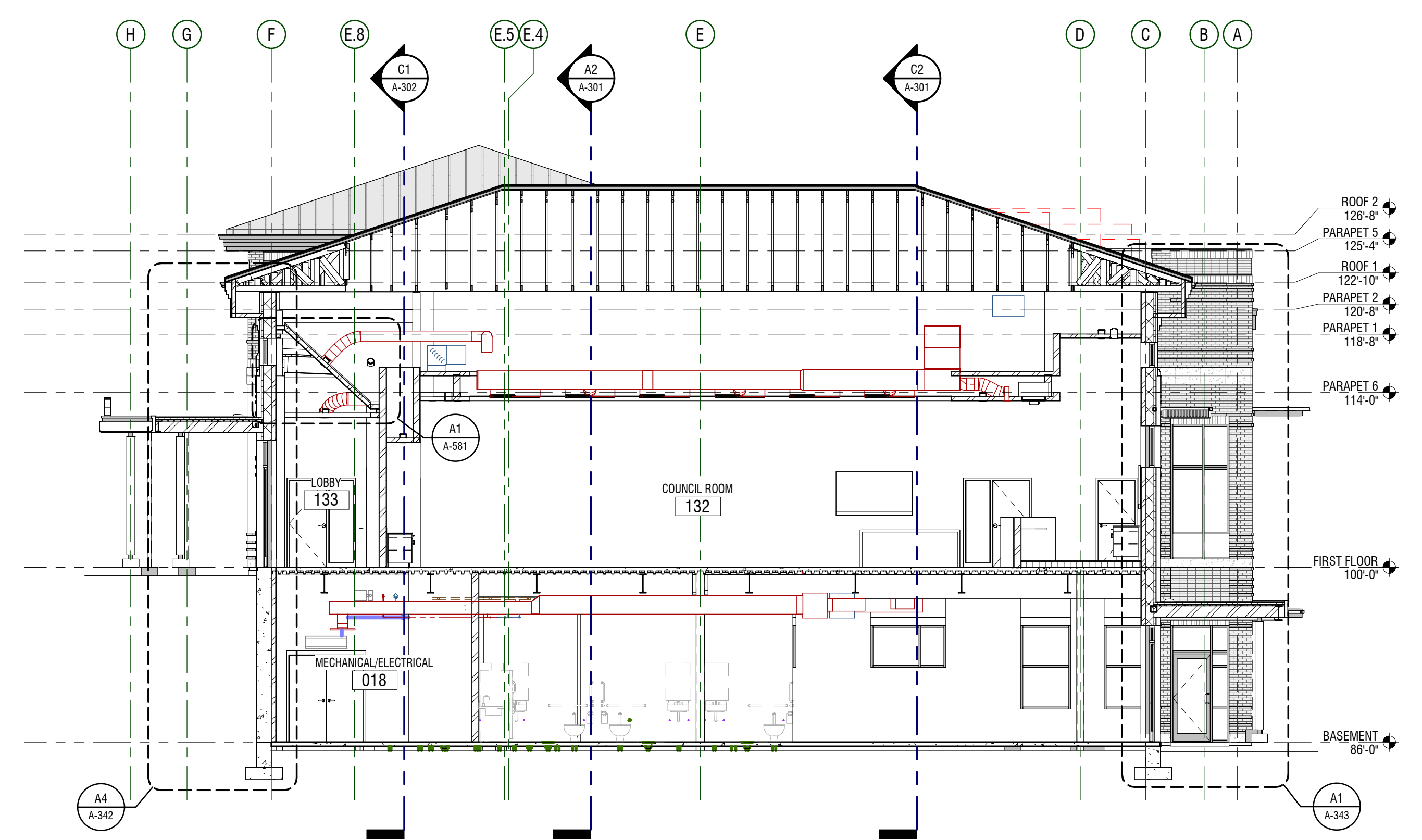
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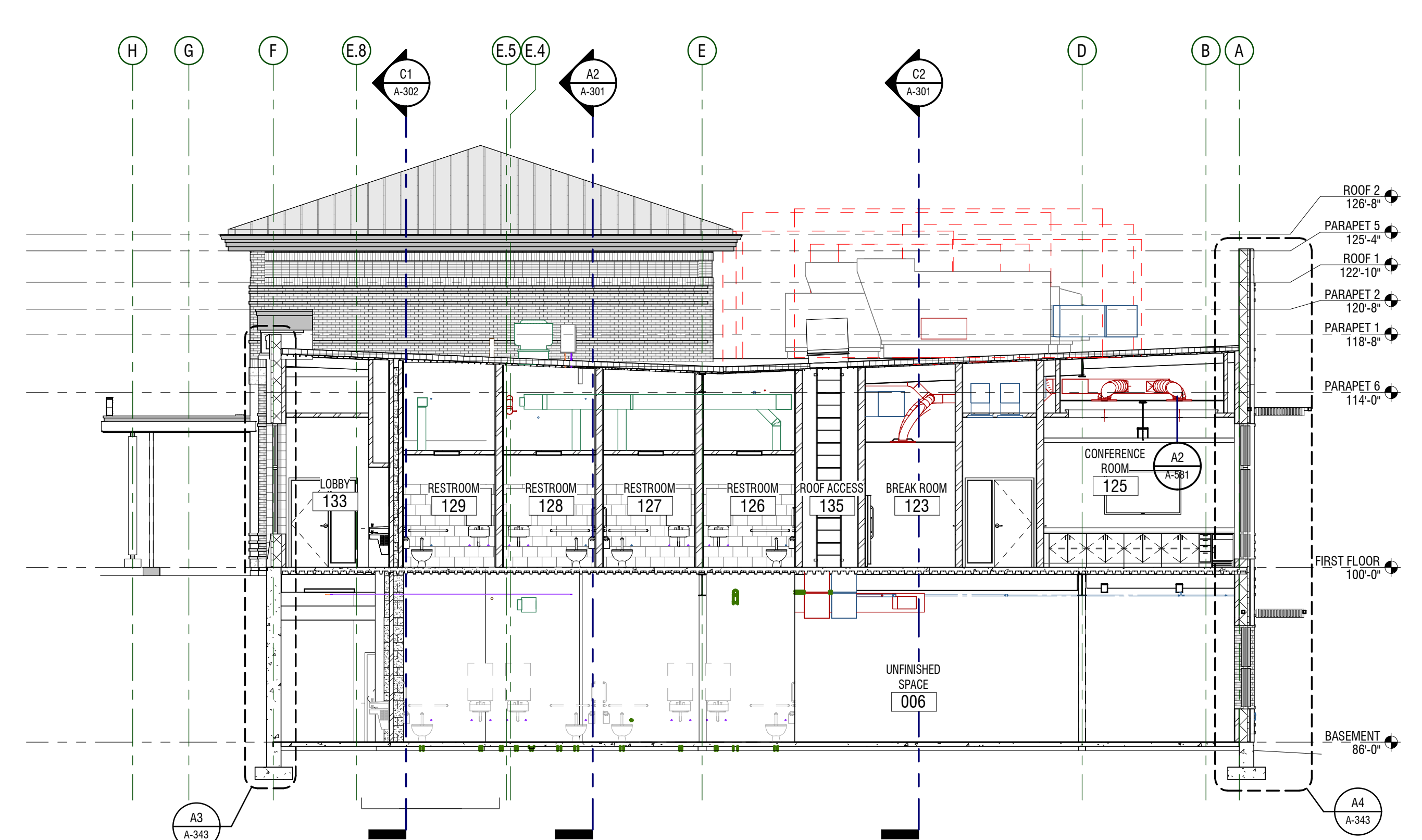
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C1 SECTION - BUILDING
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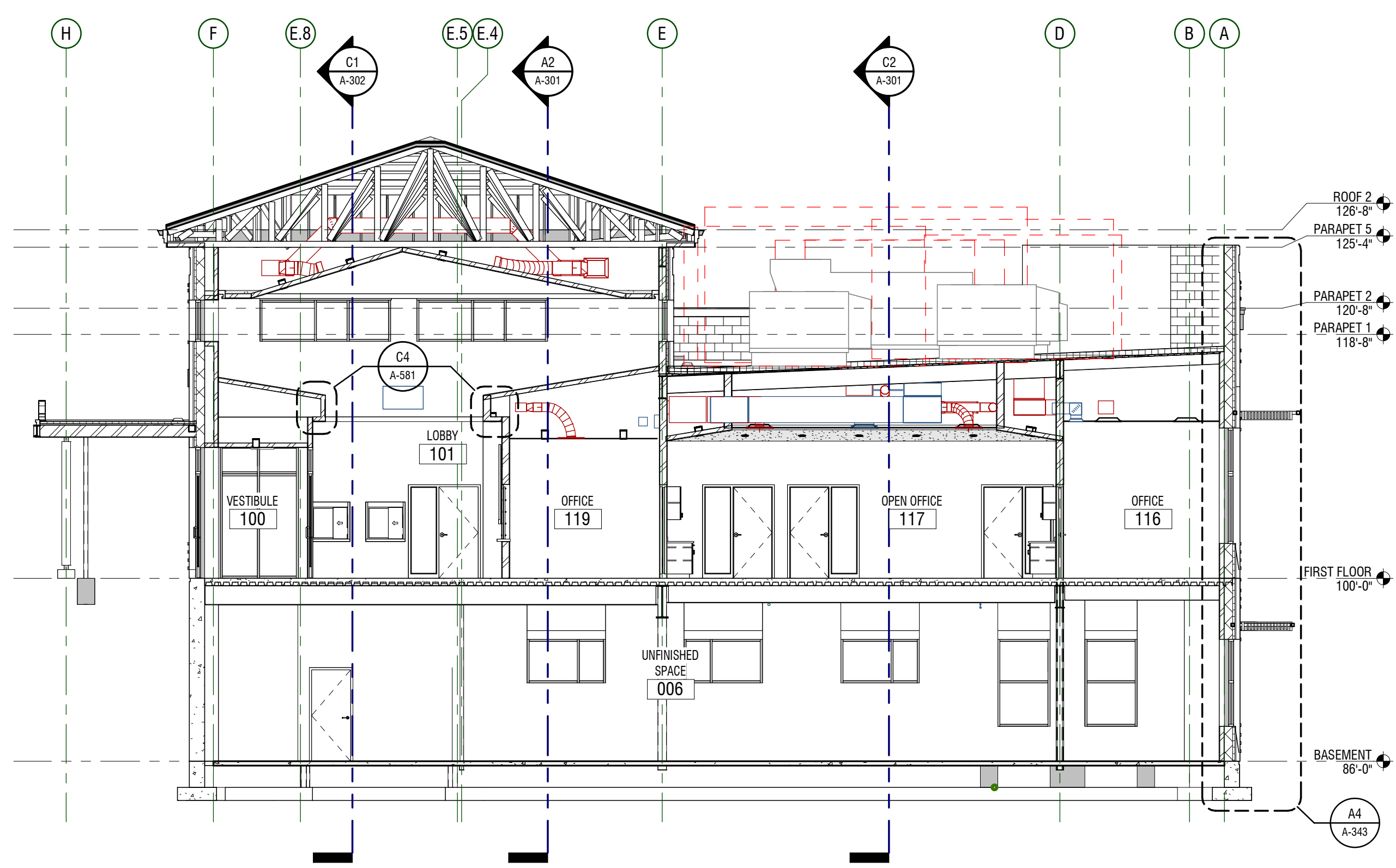


A1 SECTION - BUILDING
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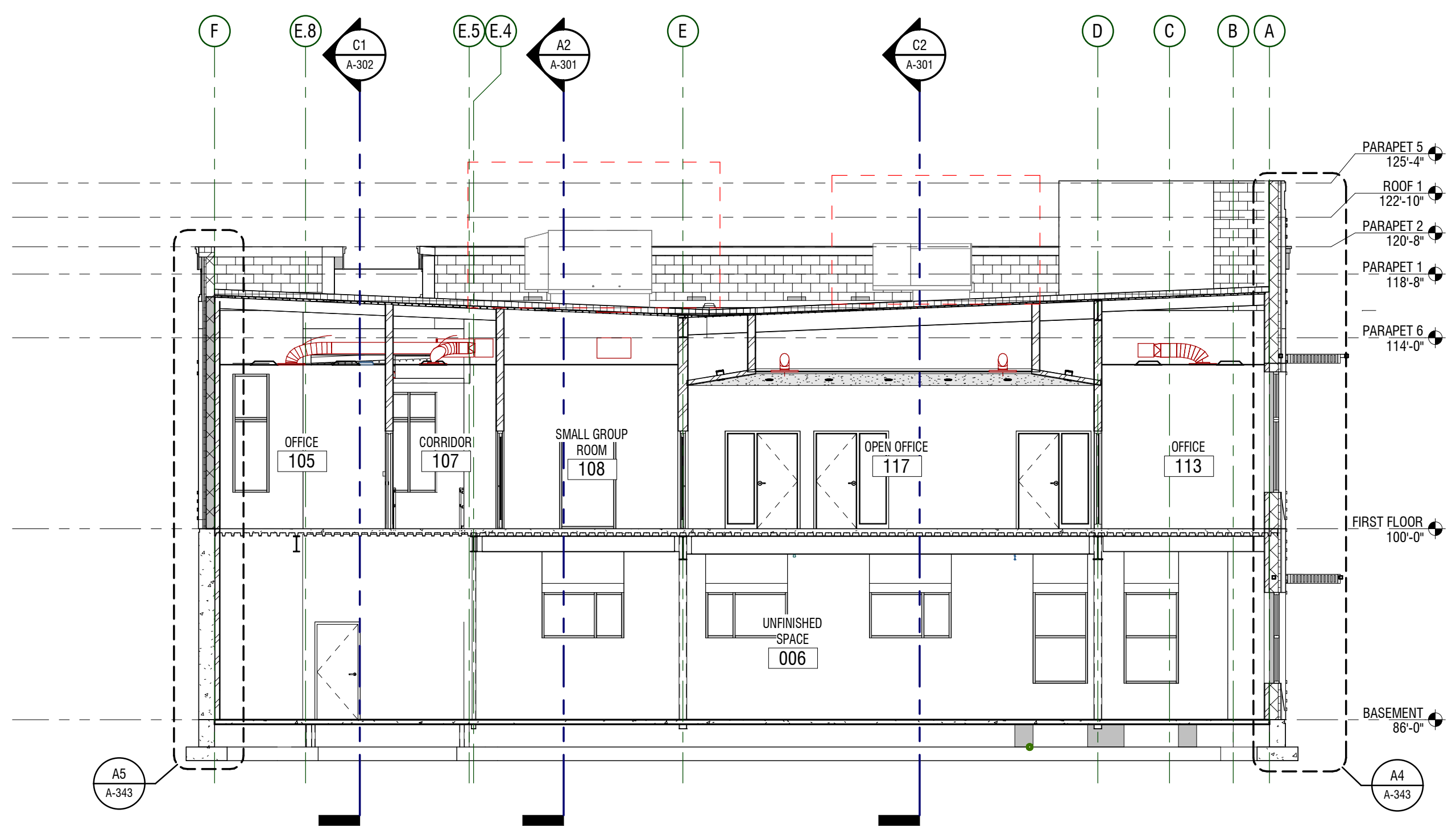


A3 SECTION - BUILDING
 1/8" = 1'-0"

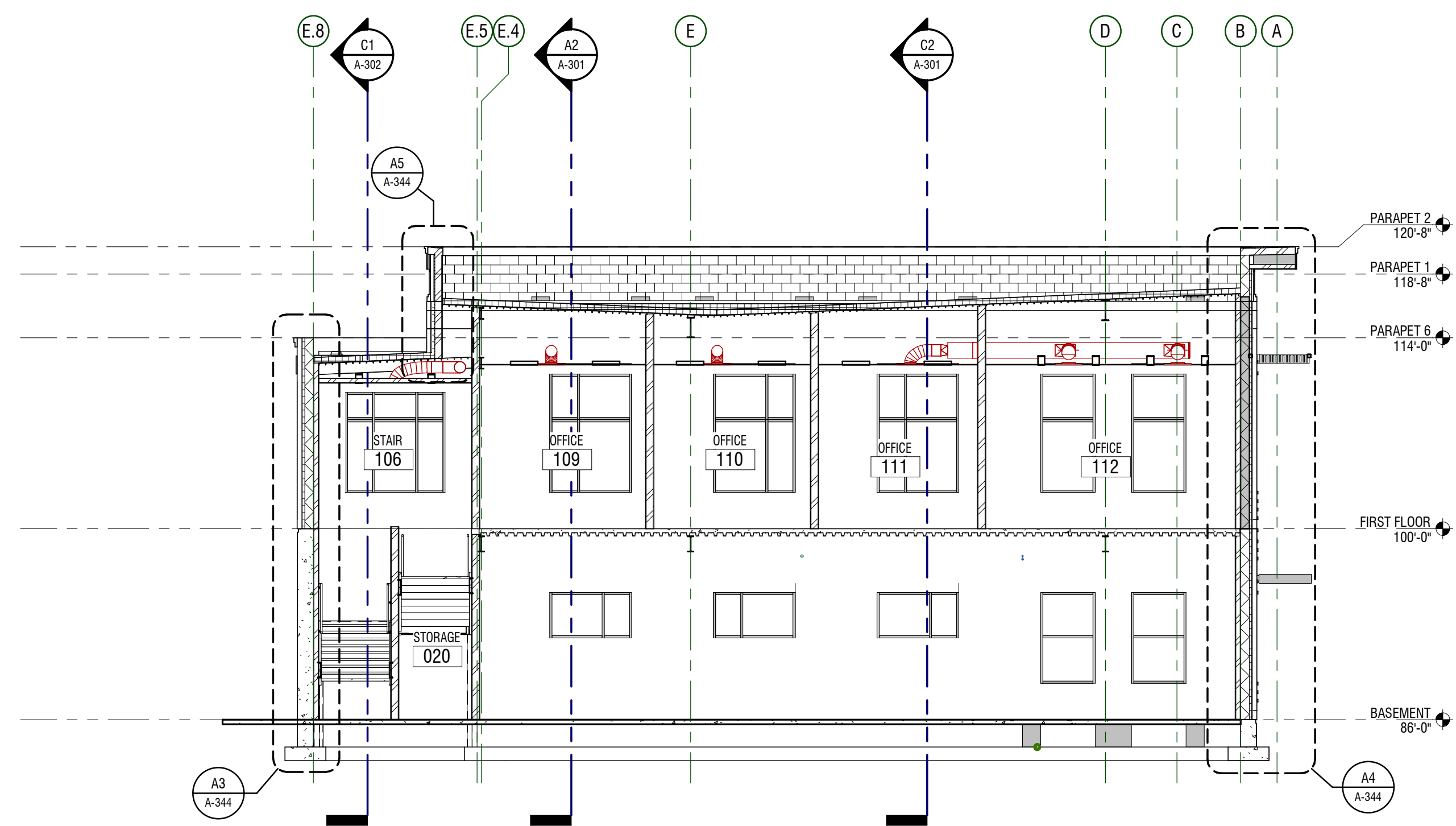
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C1 SECTION - BUILDING
 1/8" = 1'-0"



A1 SECTION - BUILDING
 1/8" = 1'-0"



A3 SECTION - BUILDING
 1/8" = 1'-0"

NOT FOR CONSTRUCTION

DESCRIPTION:

DATE:

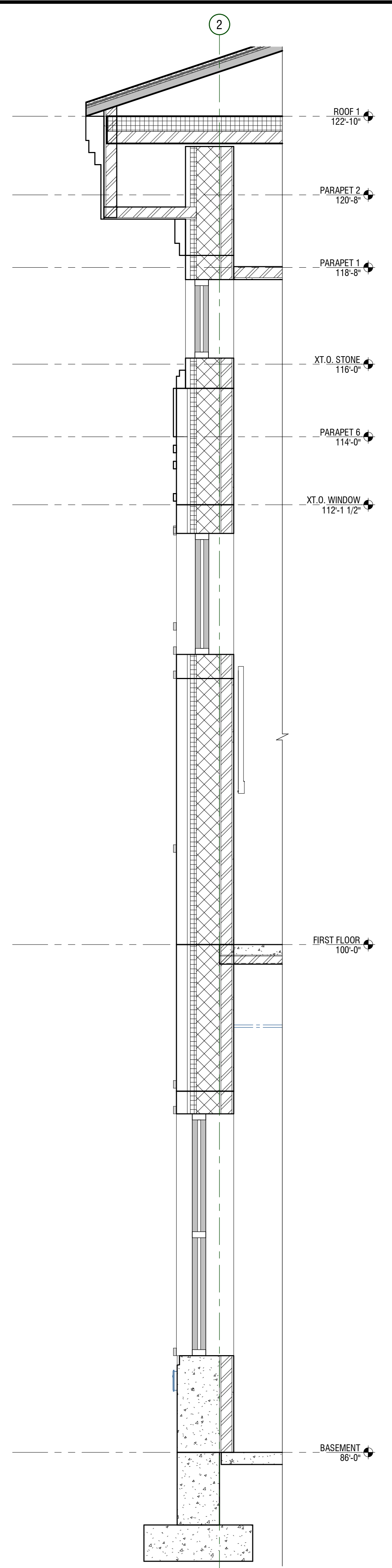
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PROJECT #: 821239
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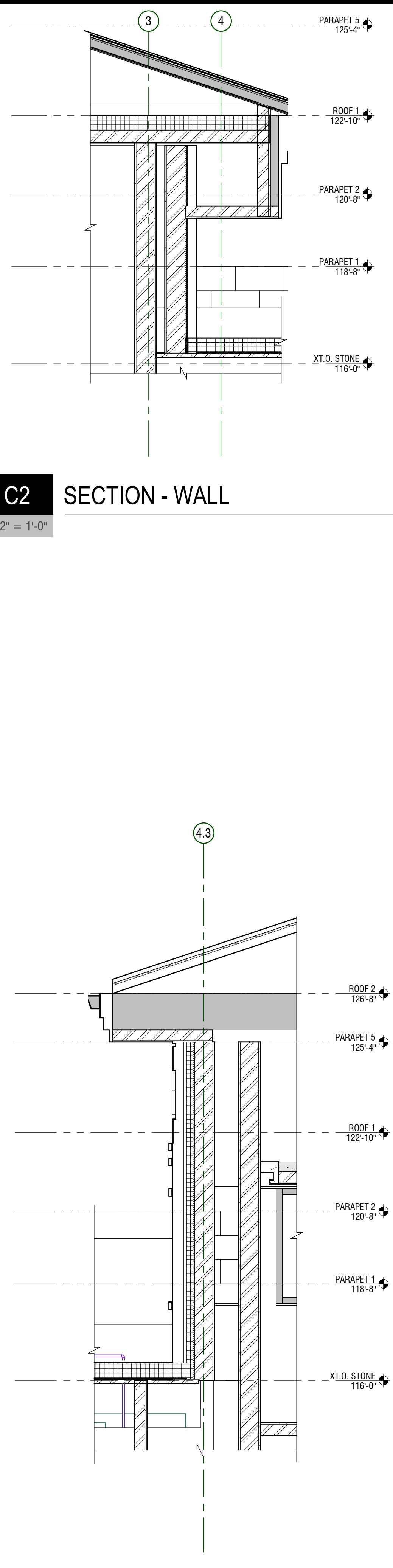
SECTIONS - BUILDING

A-303

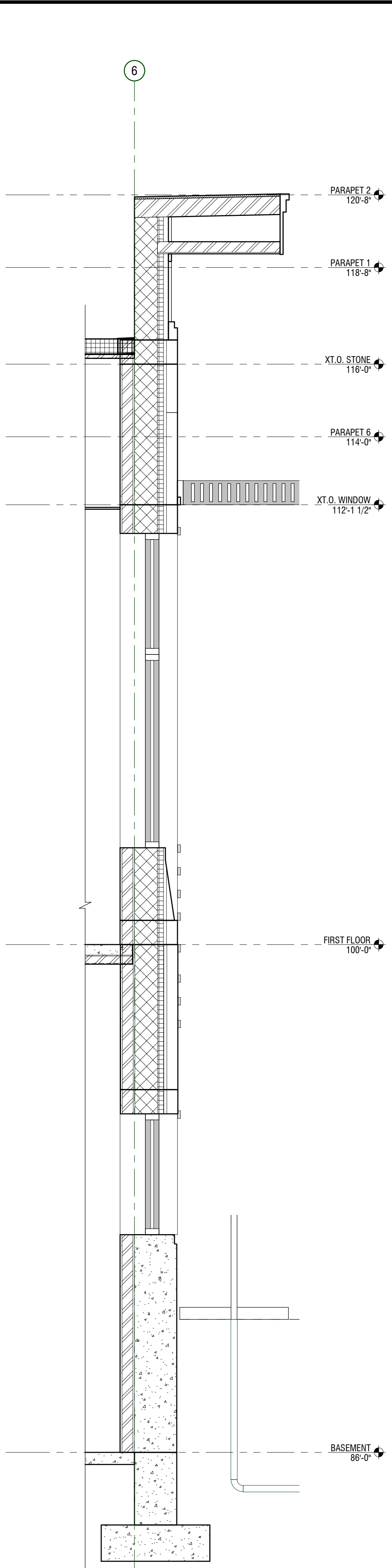
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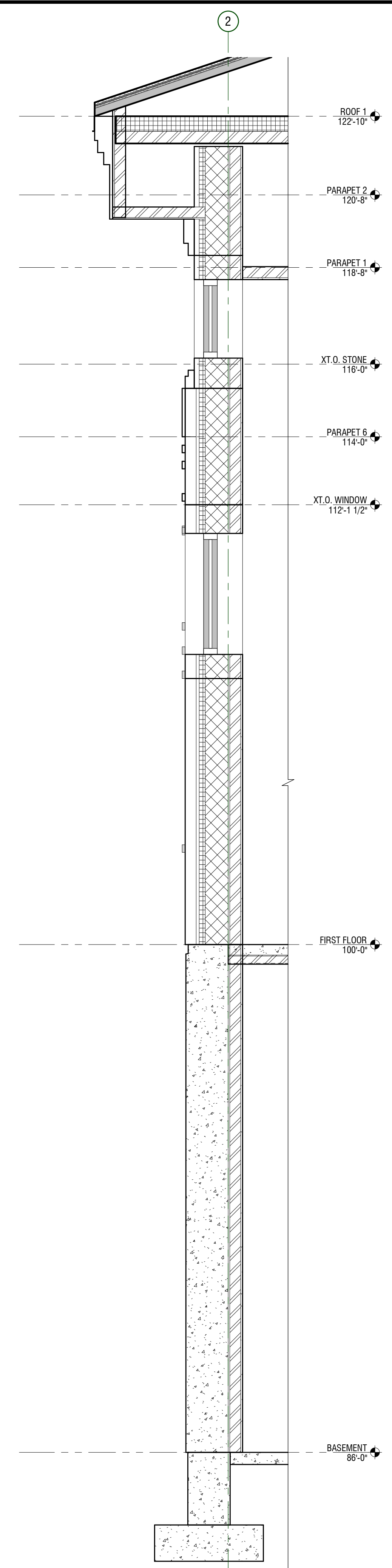
A1 SECTION - WALL
1/2" = 1'-0"



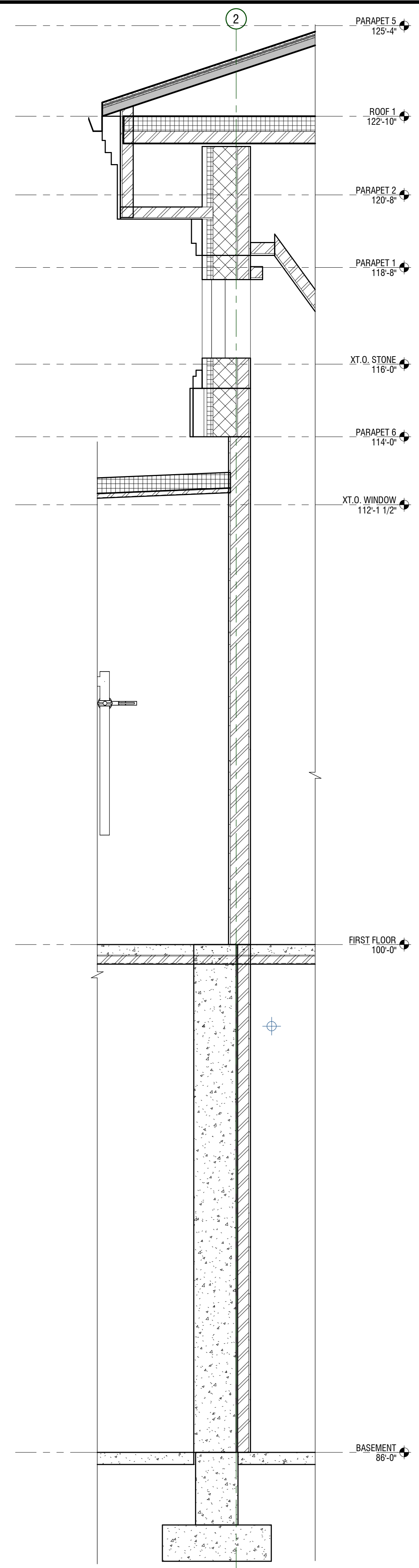
A2 SECTION - WALL
1/2" = 1'-0"



A3 SECTION - WALL
1/2" = 1'-0"



A4 SECTION - WALL
1/2" = 1'-0"



A5 SECTION - WALL
1/2" = 1'-0"

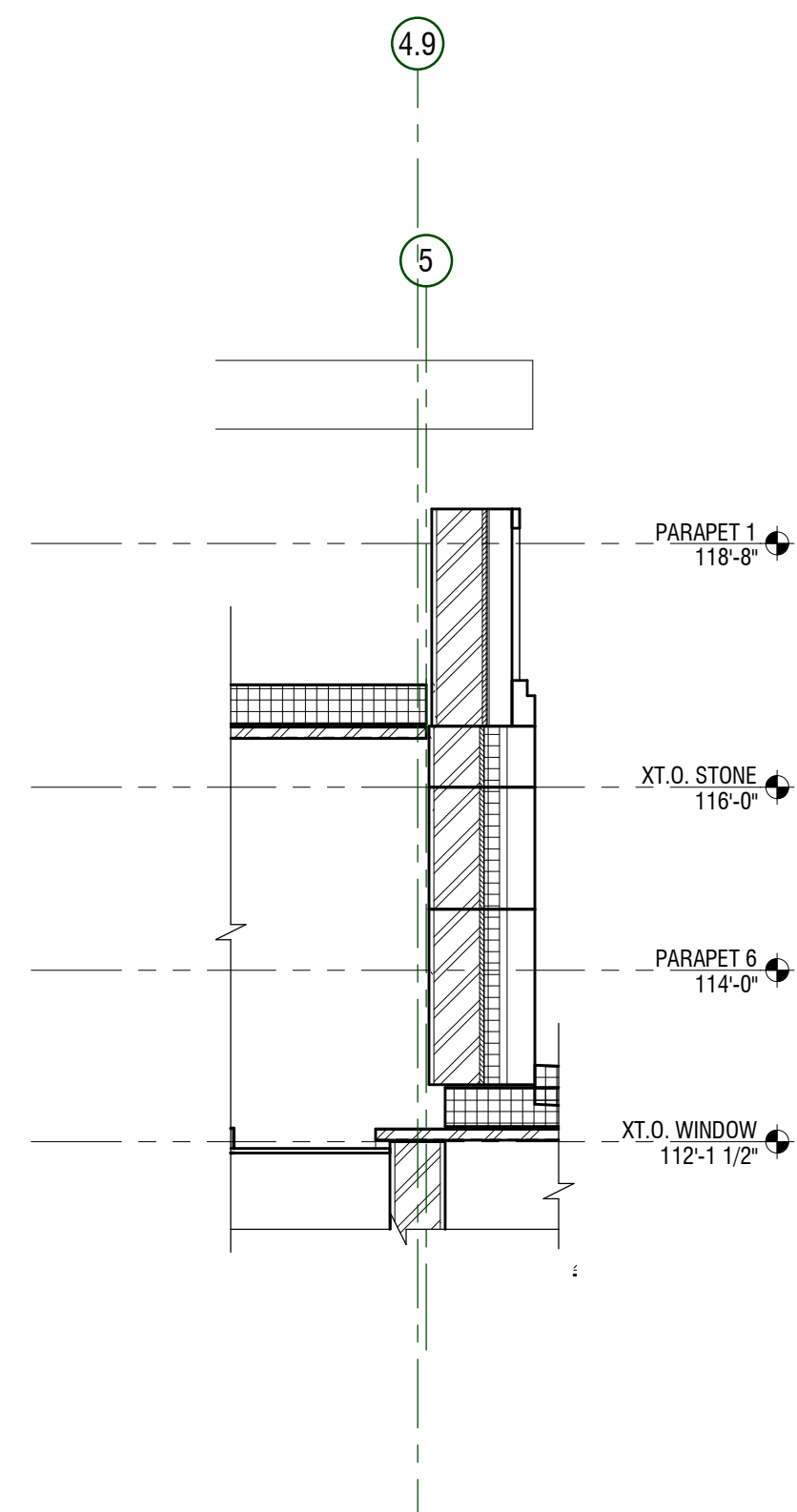
C2 SECTION - WALL
1/2" = 1'-0"

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION

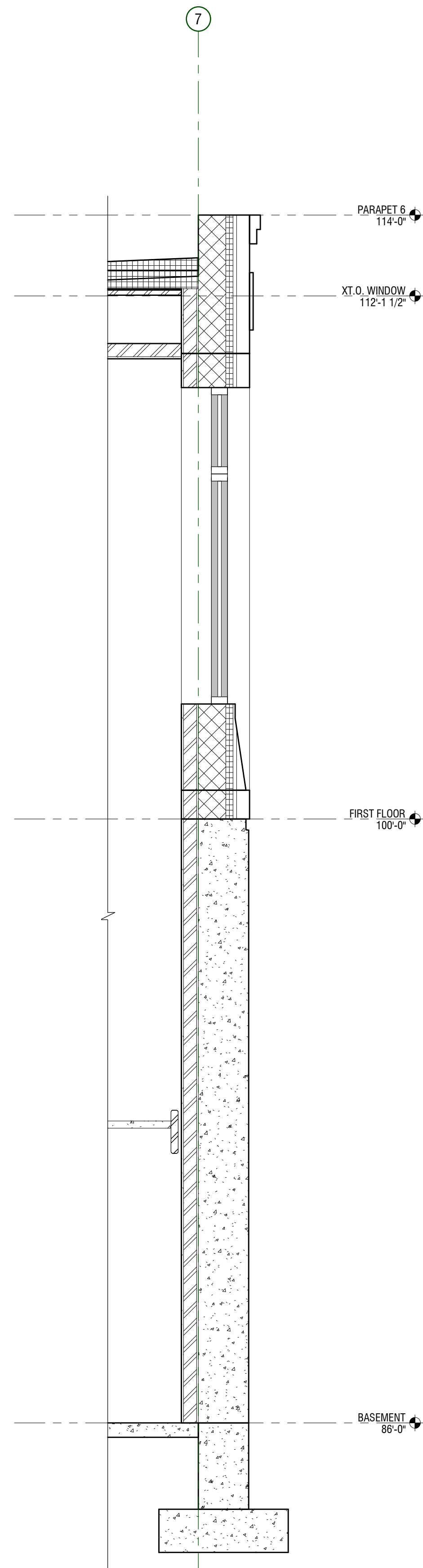
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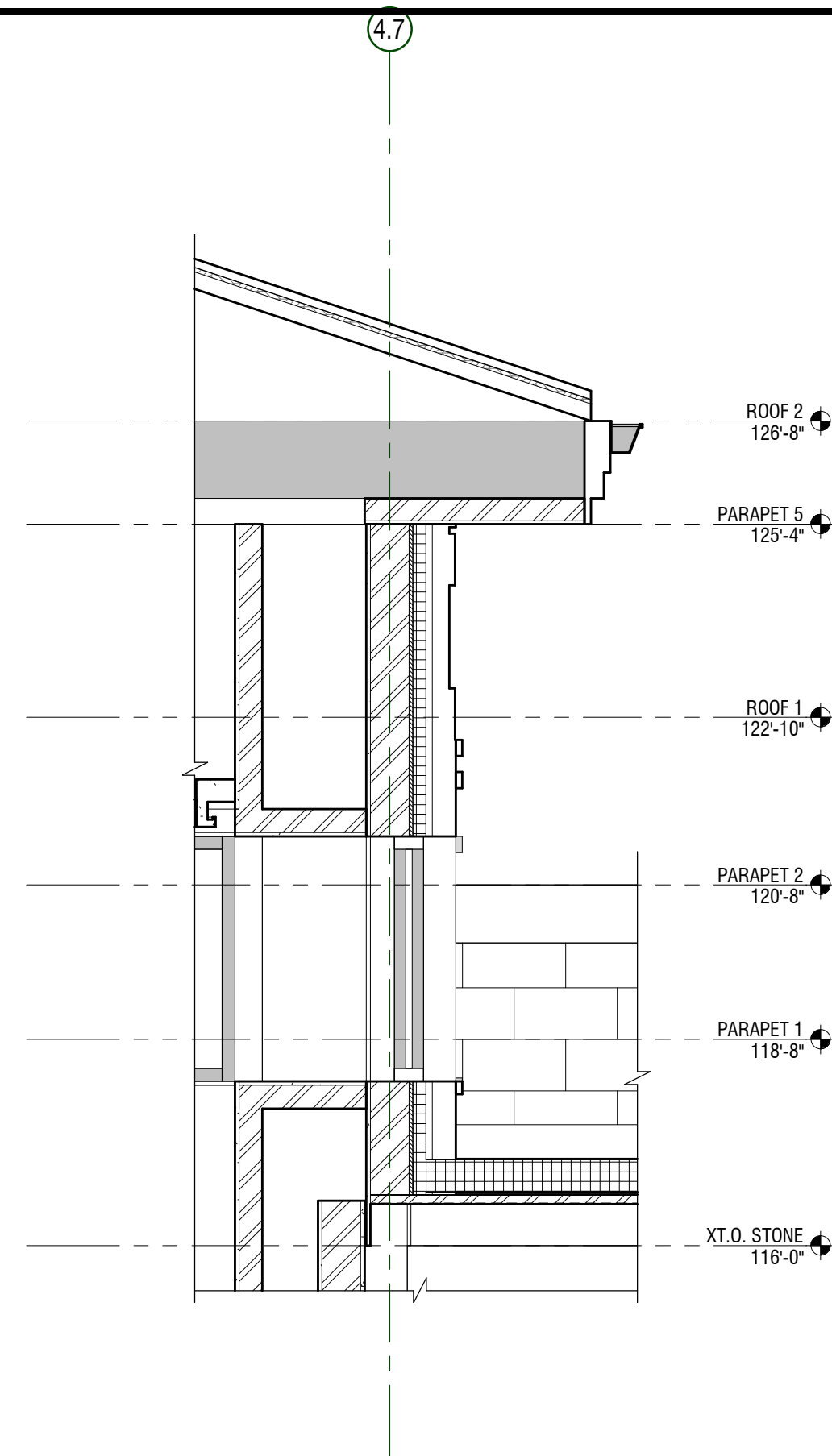
C1 SECTION - WALL

1/2" = 1'-0"



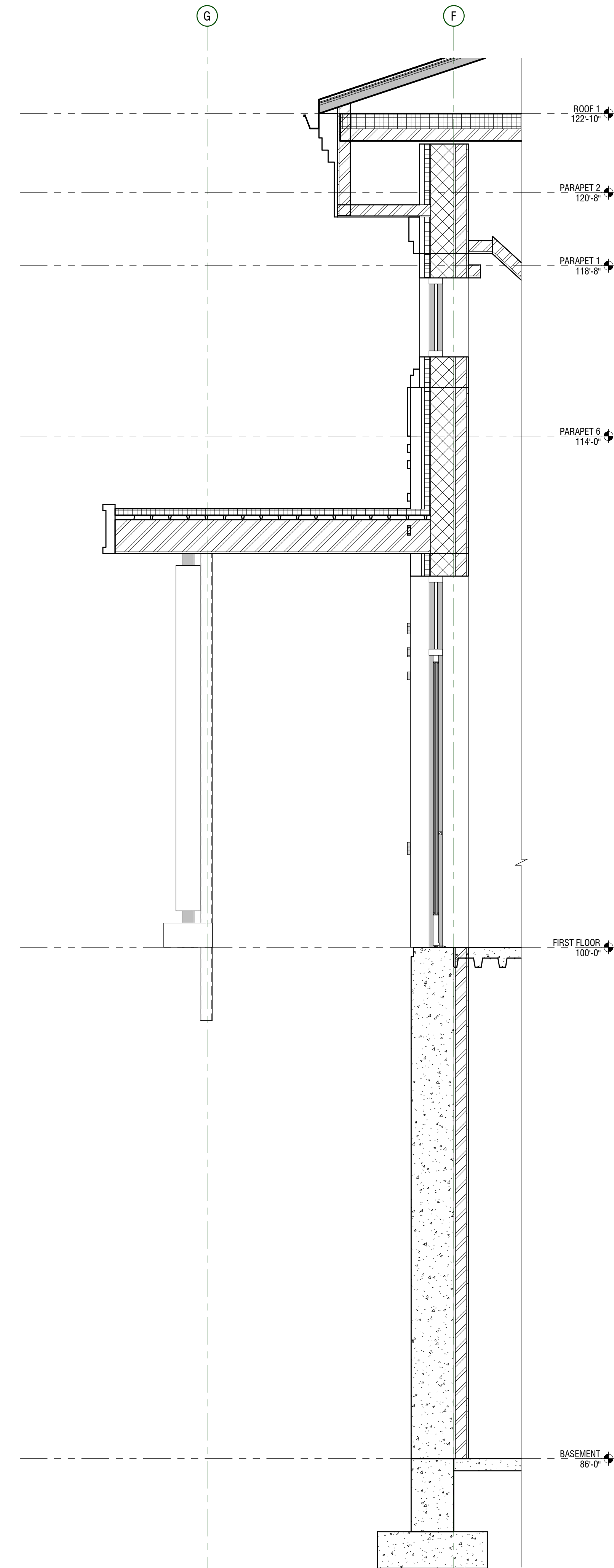
A2 SECTION - WALL

1/2" = 1'-0"



C3 SECTION - WALL

1/2" = 1'-0"



A4 SECTION - WALL

1/2" = 1'-0"

NOT FOR CONSTRUCTION

DESCRIPTION:

DATE:

MARK:

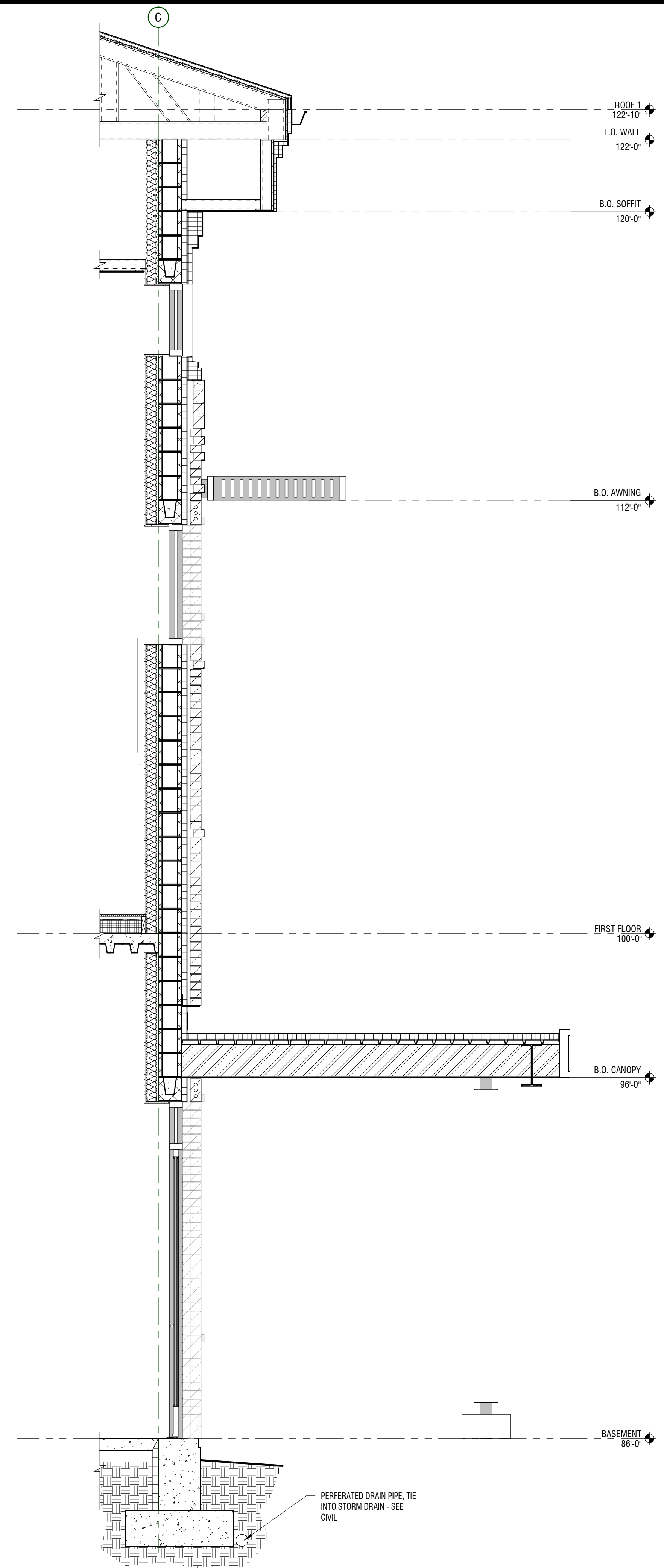
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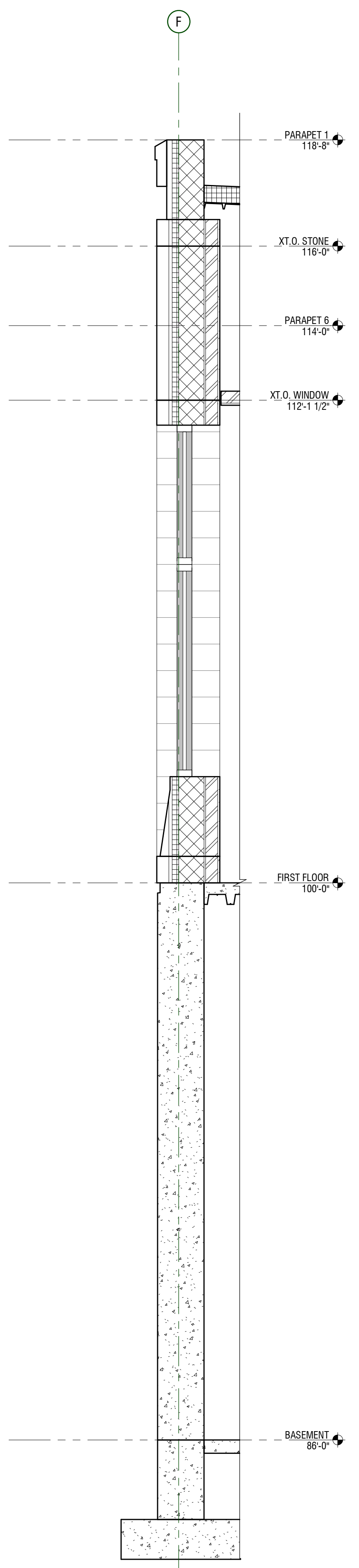
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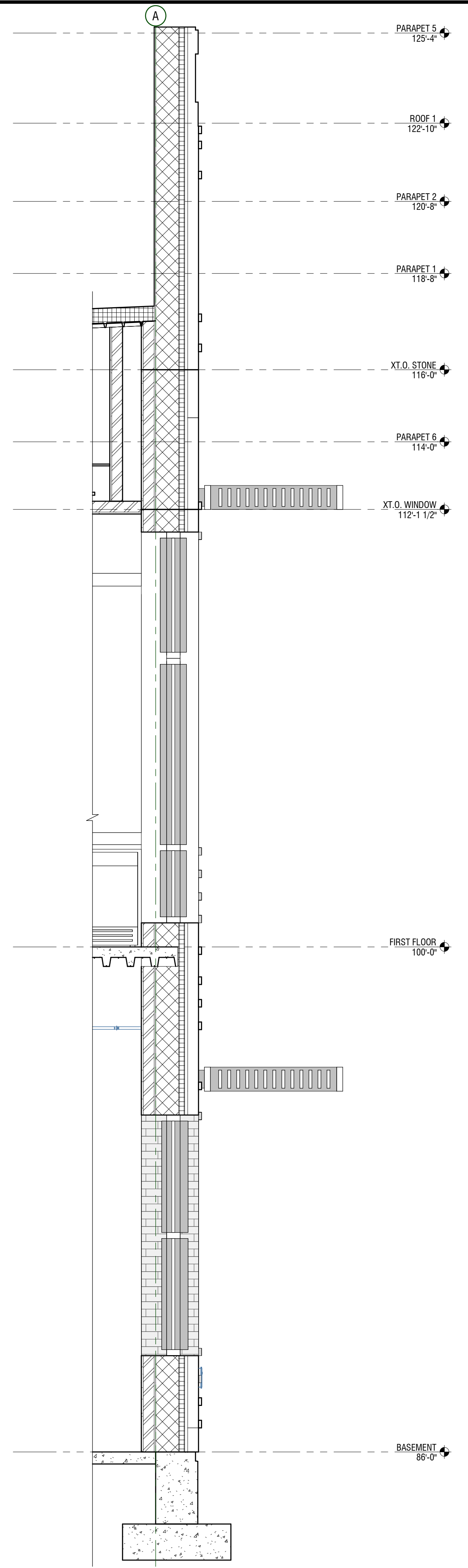
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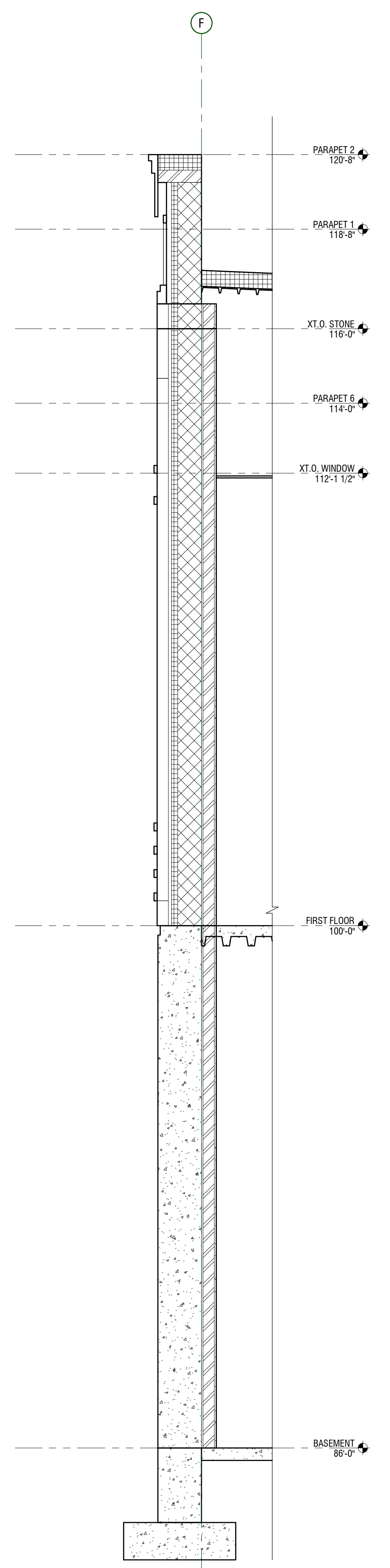
A1 SECTION - WALL
1/2" = 1'-0"



A3 SECTION - WALL
1/2" = 1'-0"



A4 SECTION - WALL
1/2" = 1'-0"



A5 SECTION - WALL
1/2" = 1'-0"

NOT FOR CONSTRUCTION

DESCRIPTION:	
DATE:	
MARK:	
PROJECT #:	821239
DRAWN BY:	NIELSON
CHECKED BY:	ZETTERQUIST
ISSUED:	03.30.2022

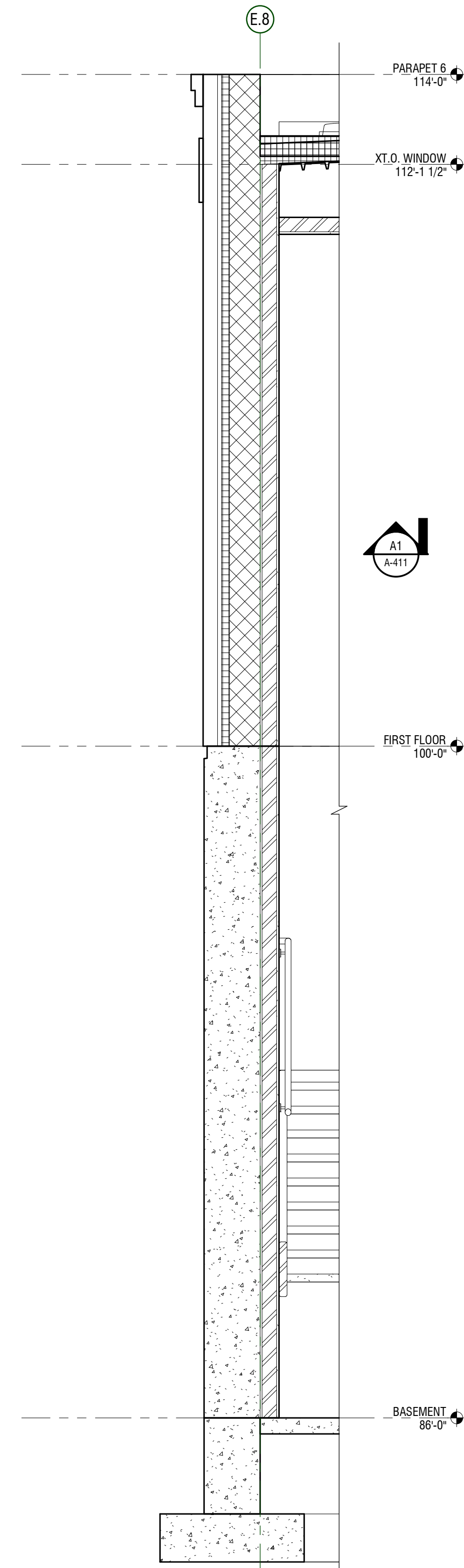
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D

C

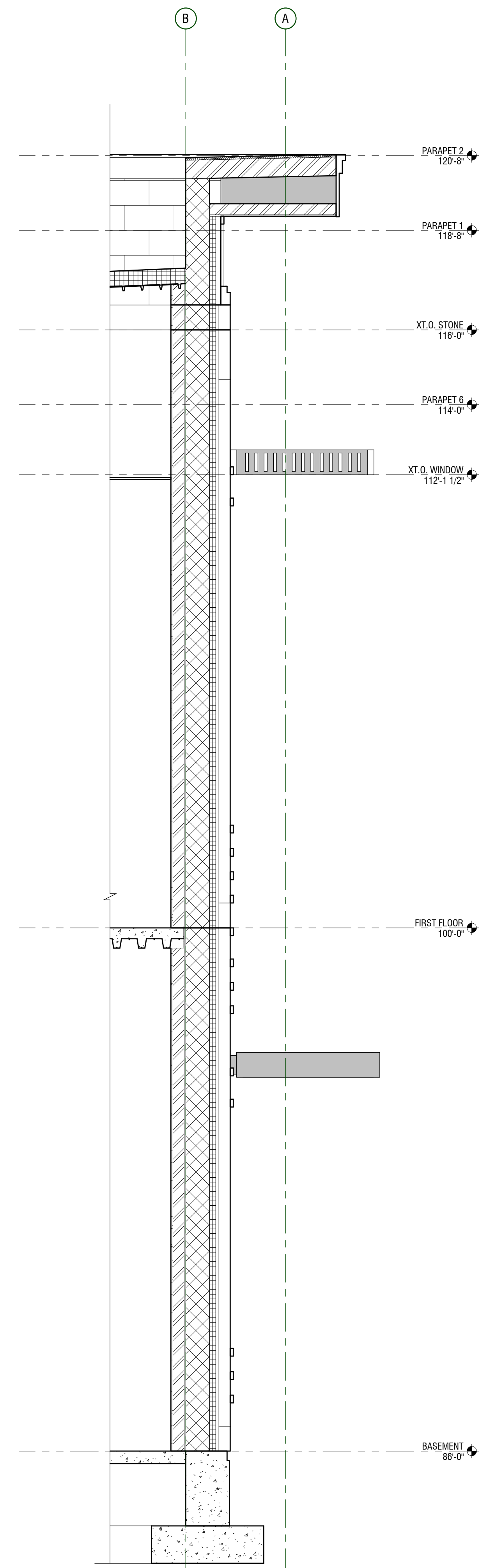
B

A



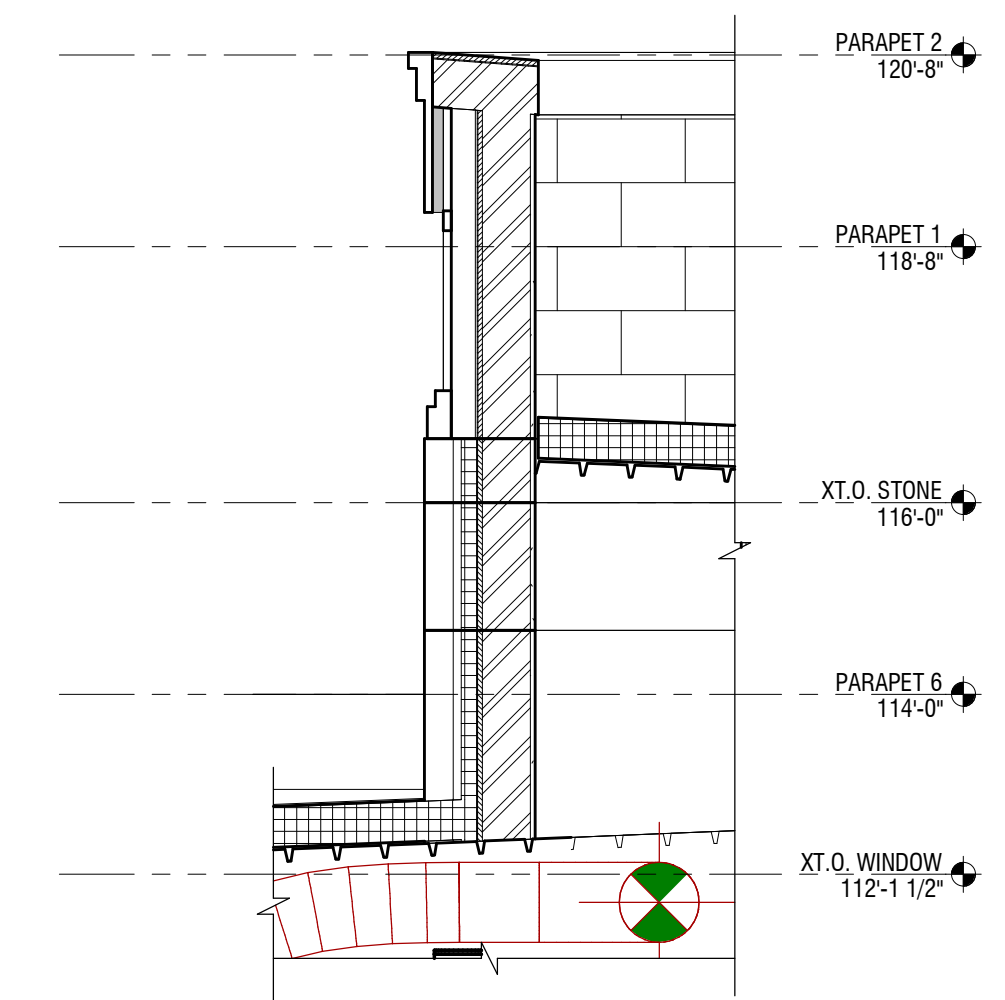
A3 SECTION - WALL

1/2" = 1'-0"



A4 SECTION - WALL

1/2" = 1'-0"



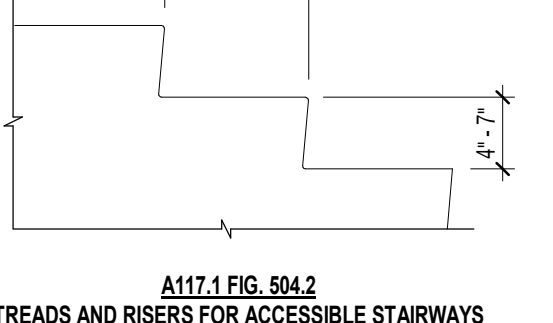
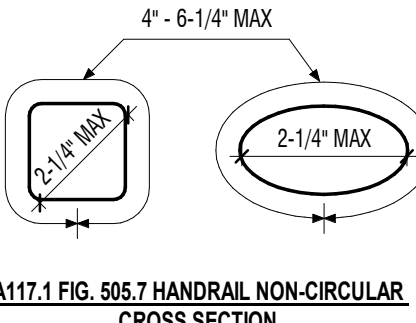
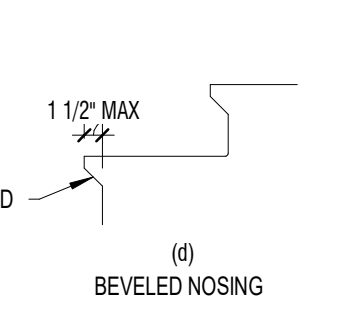
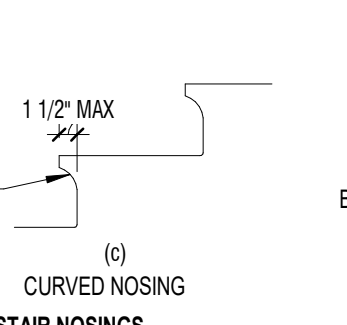
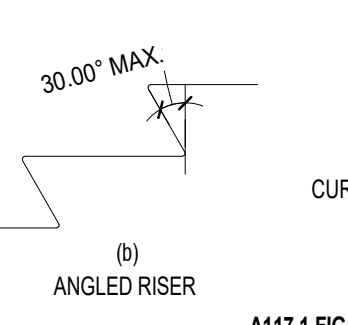
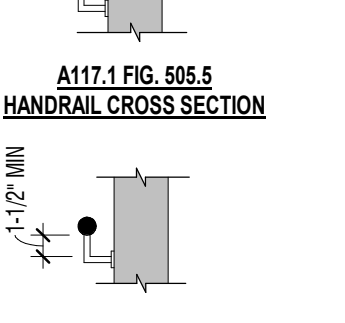
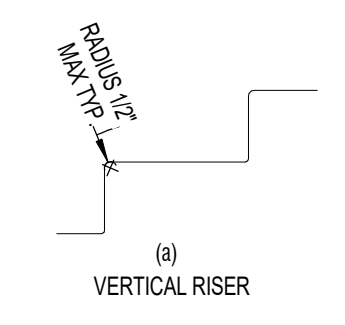
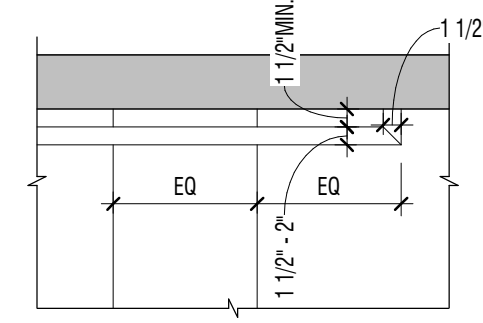
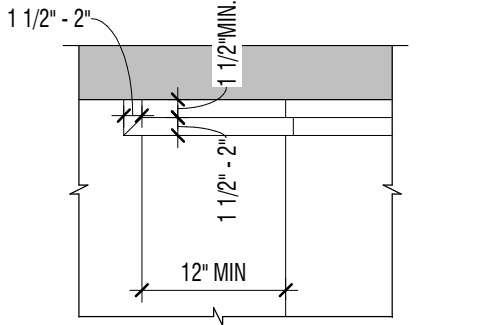
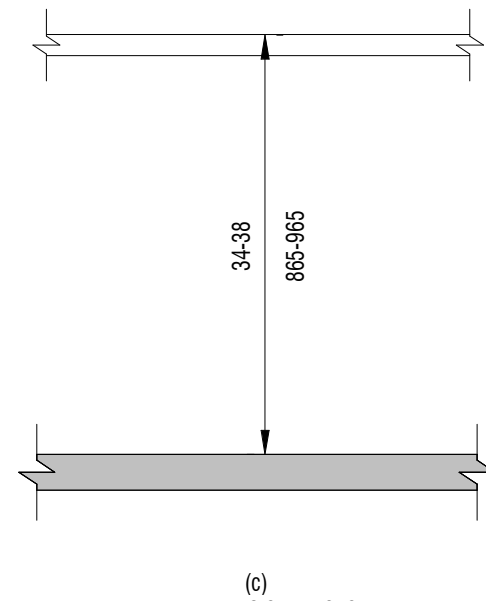
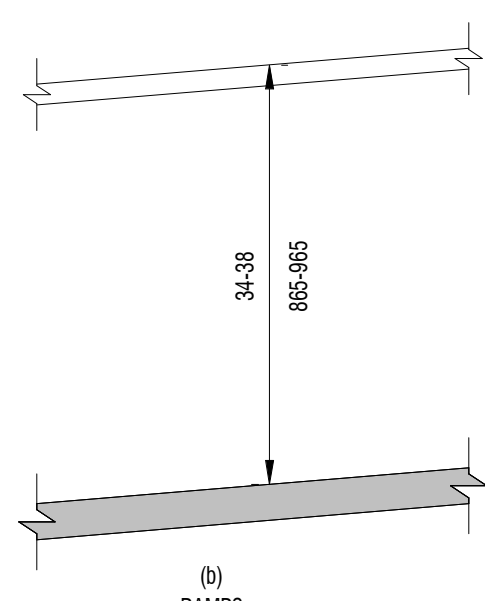
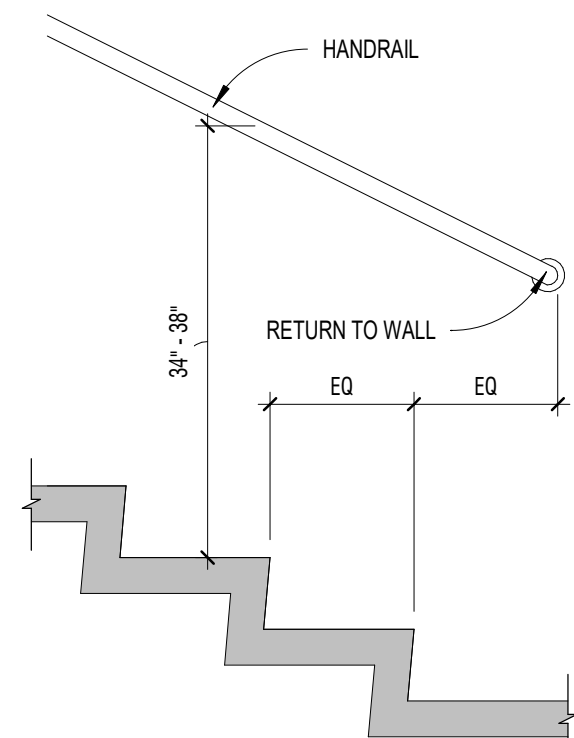
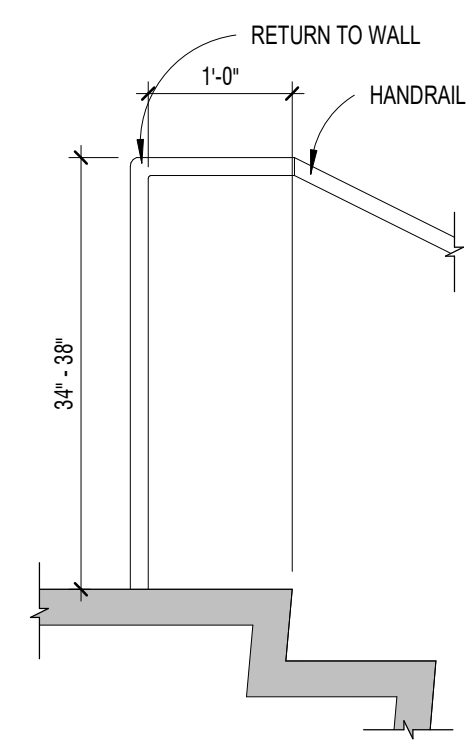
A5 SECTION - WALL

1/2" = 1'-0"

NOT FOR CONSTRUCTION

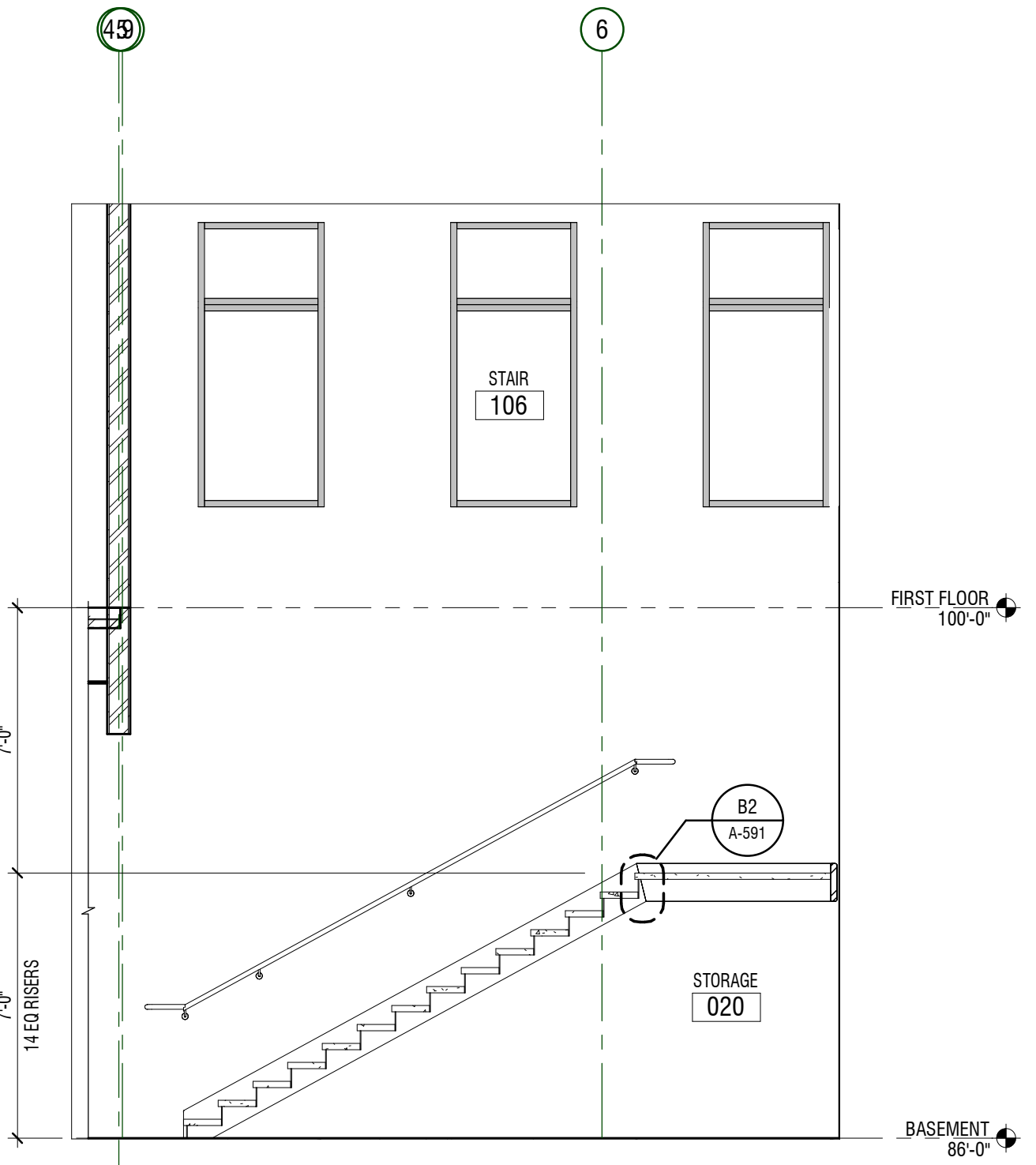
MARK	DATE	DESCRIPTION

PROJECT #: 821239
 DRAWN BY: Author
 CHECKED BY: Checker
 ISSUED: 03.30.2022



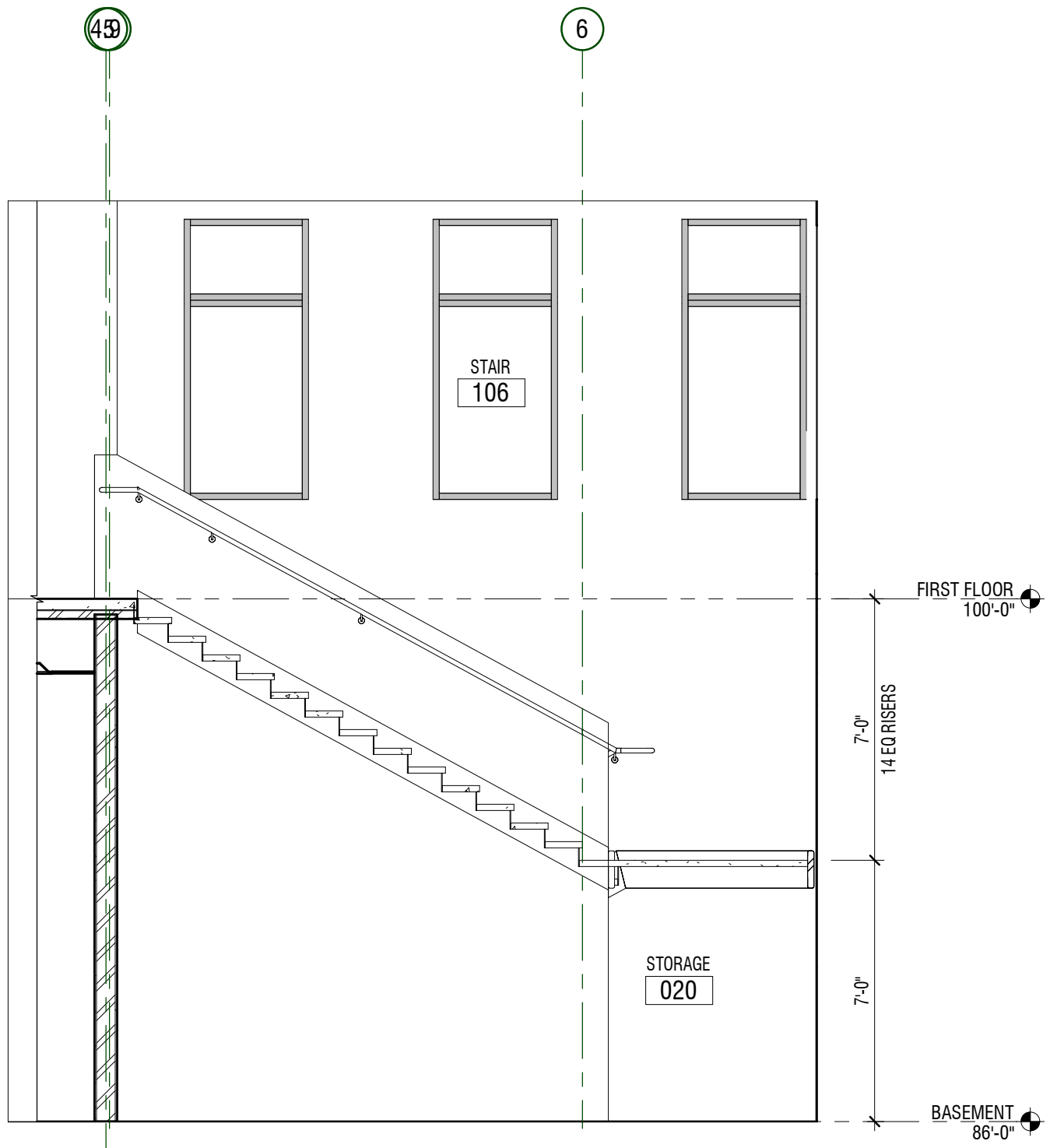
D1 ADA HANDRAIL/STAIR DETAILS

3/4" = 1'-0"



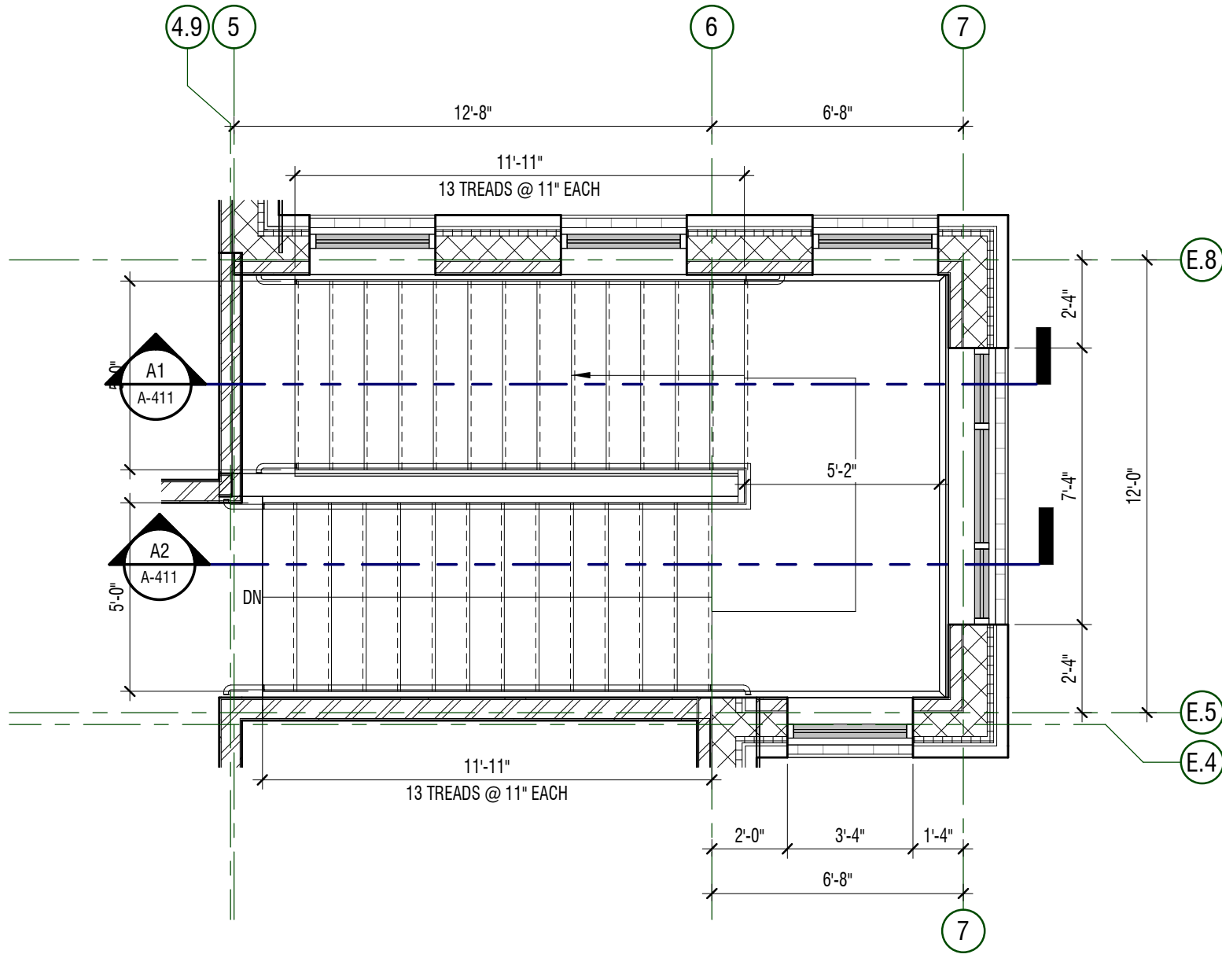
A1 STAIR SECTION

1/4" = 1'-0"



A2 STAIR SECTION

1/4" = 1'-0"



A4 ENLARGED STAIR PLAN

1/4" = 1'-0"

NOT FOR CONSTRUCTION

MARK:	DESCRIPTION:
DATE:	

PROJECT #: 821239
 DRAWN BY: NIELSON
 CHECKED BY: ZETTERQUIST
 ISSUED: 03.30.2022

ENLARGED PLAN - STAIR

A-411

4/10/22 12:41:57 PM Autodesk Docs: 8021239 - North Logan City - Civic Center 8021239-A4-CIVIC CENTER-R002_V2_TypicalMark.rvt

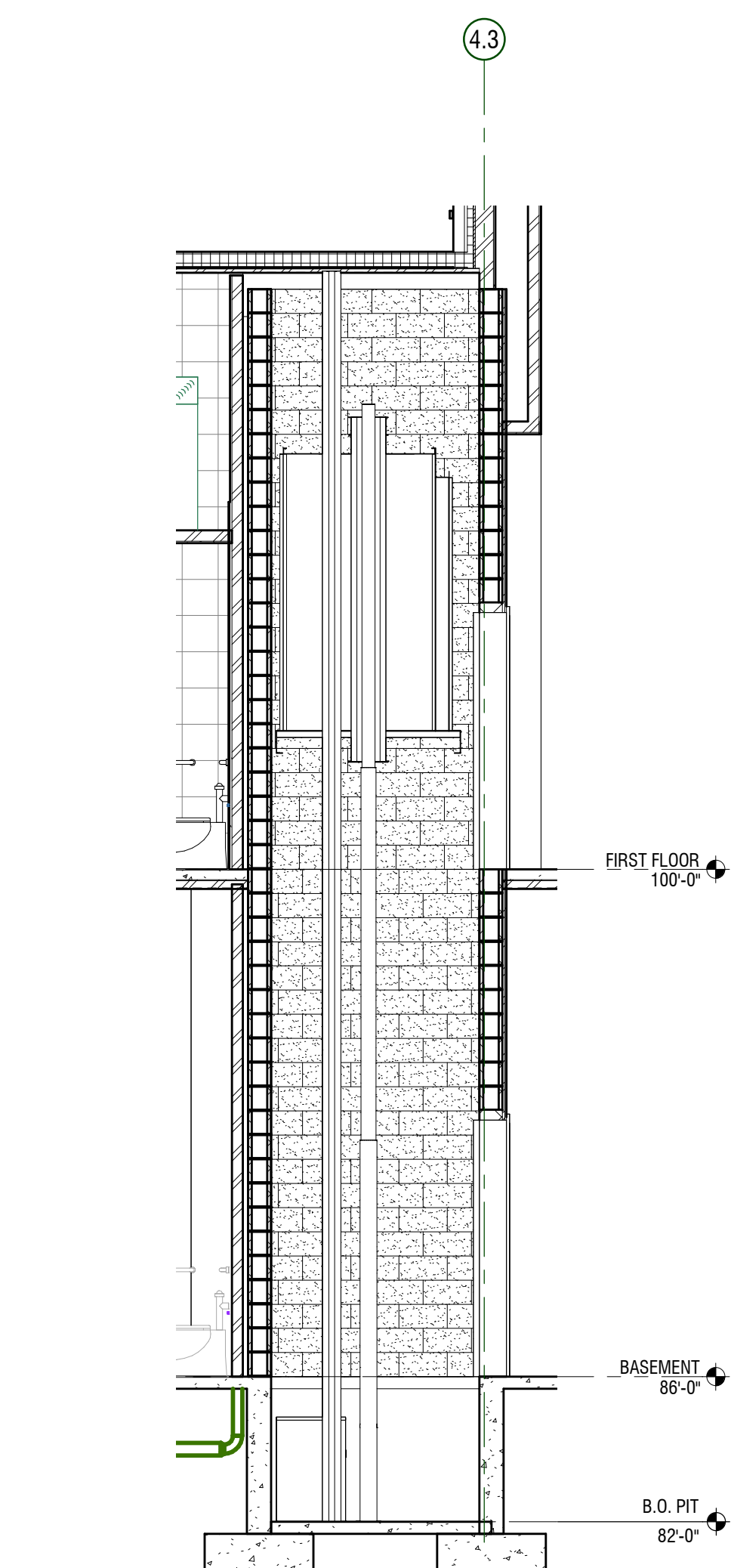
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D

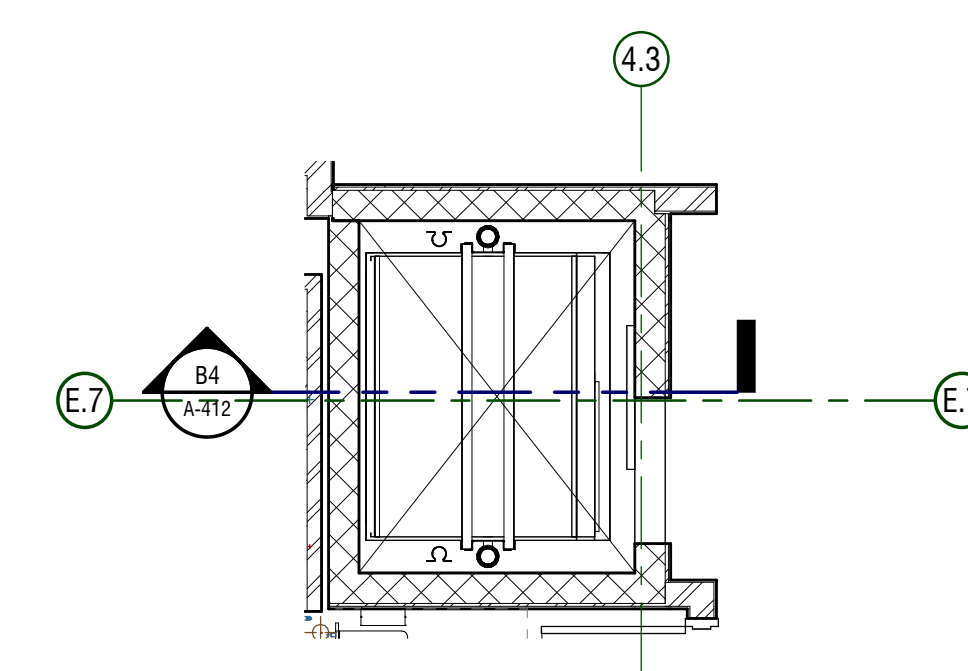
C

B

A



B4 SECTION
1/4" = 1'-0"



A4 ENLARGED PLAN
1/4" = 1'-0" MAIN FLOOR

NOT FOR CONSTRUCTION

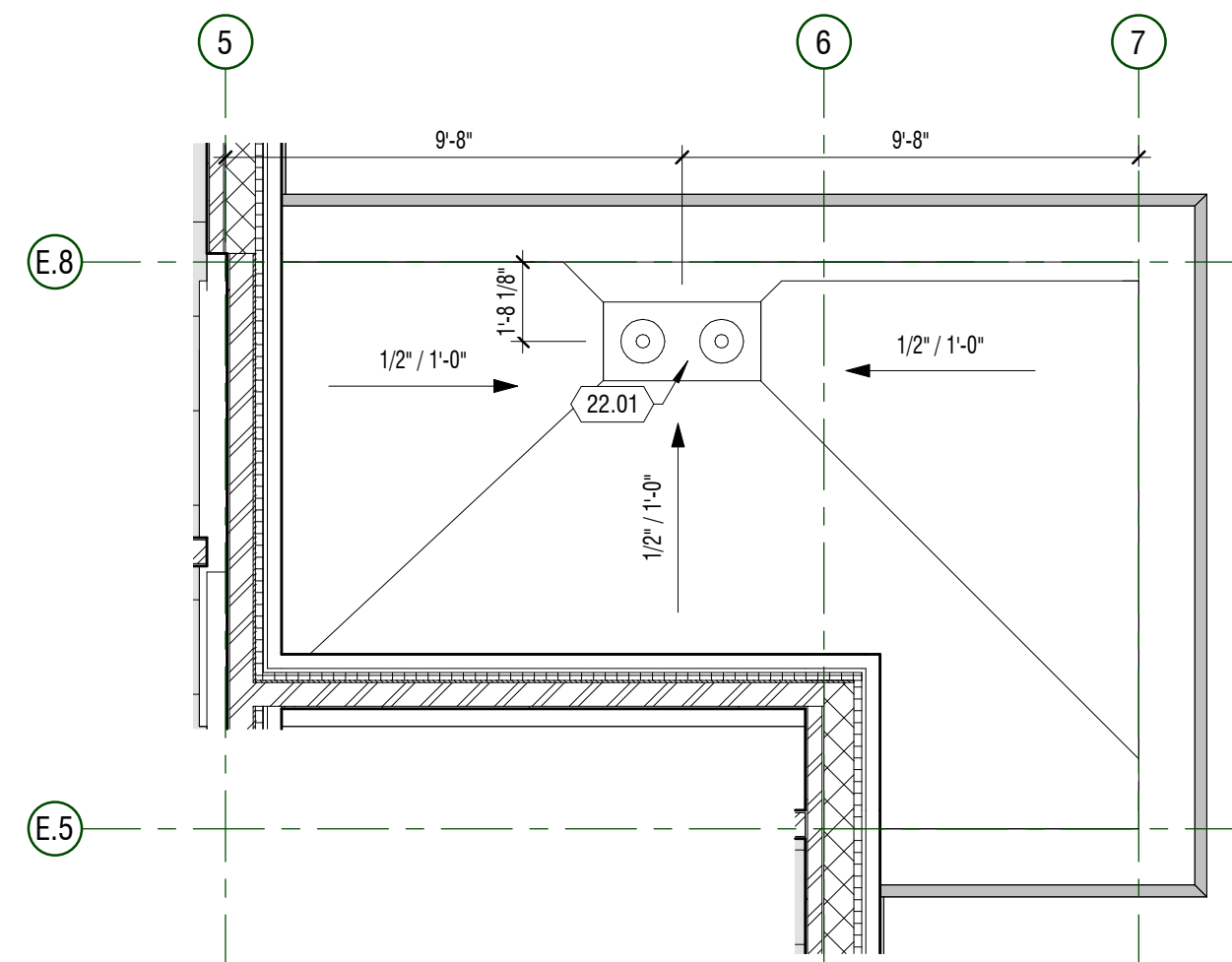
MARK	DATE	DESCRIPTION

PROJECT #: 821239
 DRAWN BY: NIELSON
 CHECKED BY: ZETTERQUIST
 ISSUED: 03.30.2022

ENLARGED PLAN - ELEVATOR

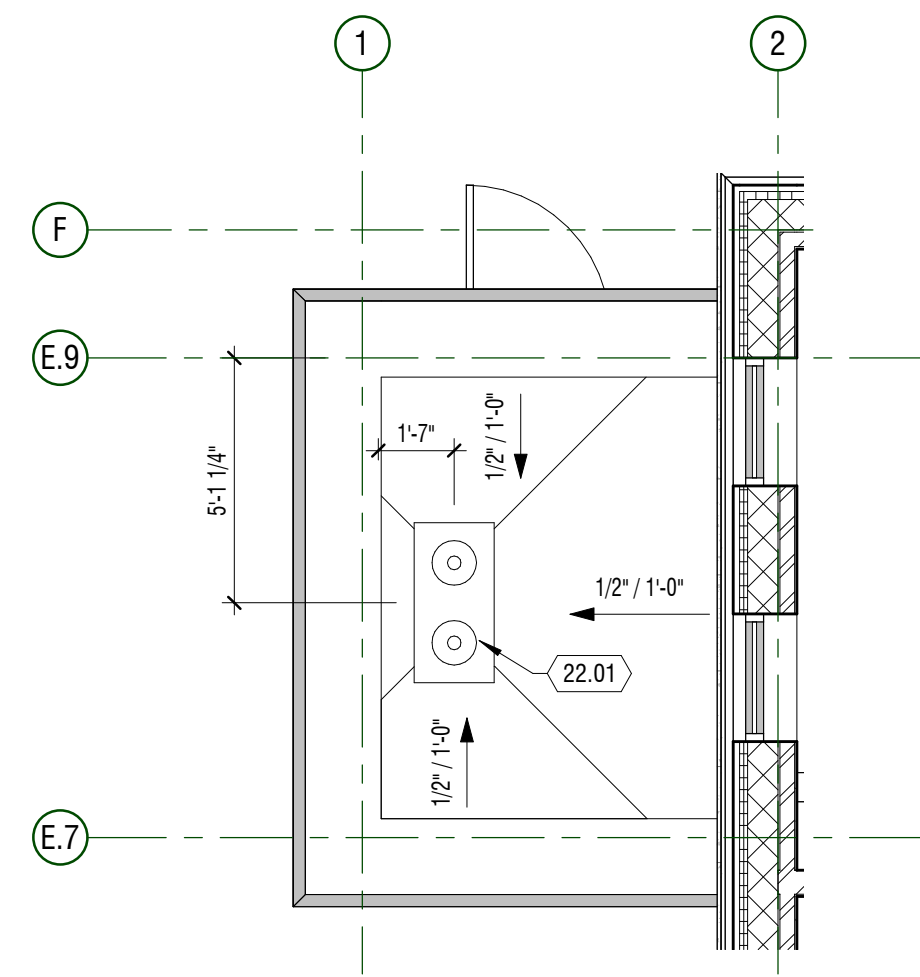
A-412
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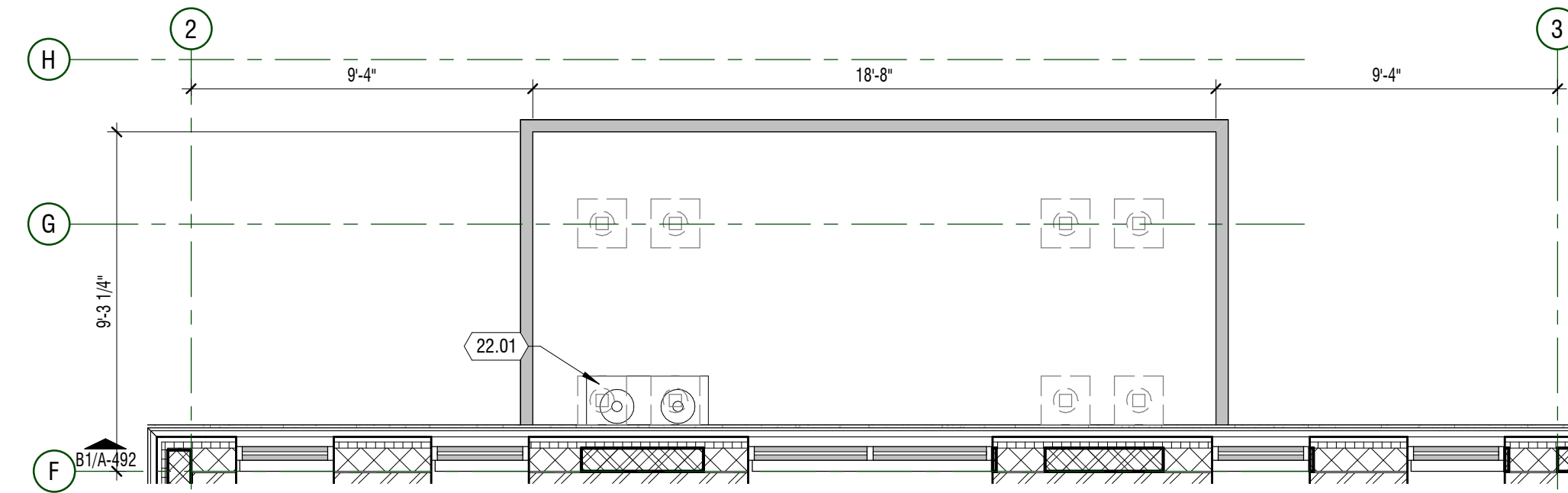
B1 ENLARGED ROOF PLAN

1/4" = 1'-0" STAIR ROOF



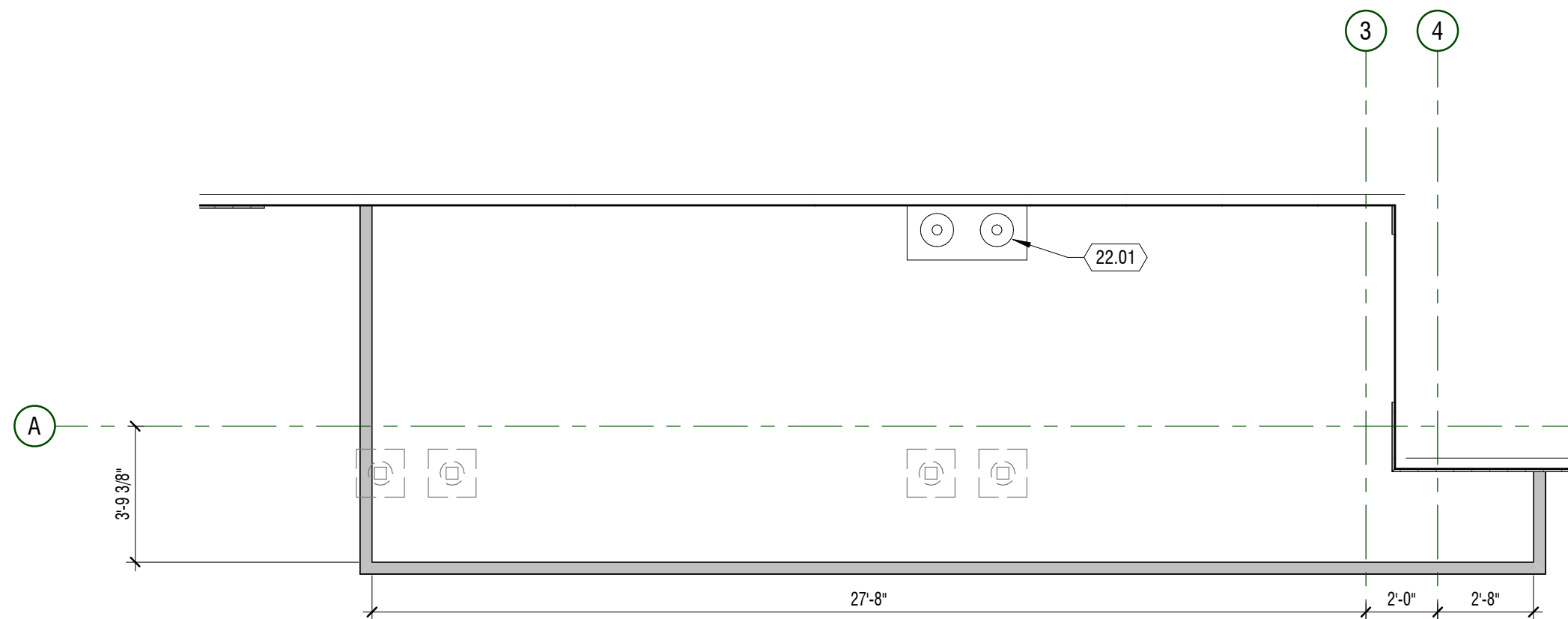
B2 ENLARGED ROOF PLAN

1/4" = 1'-0" FIRE RISER ROOF



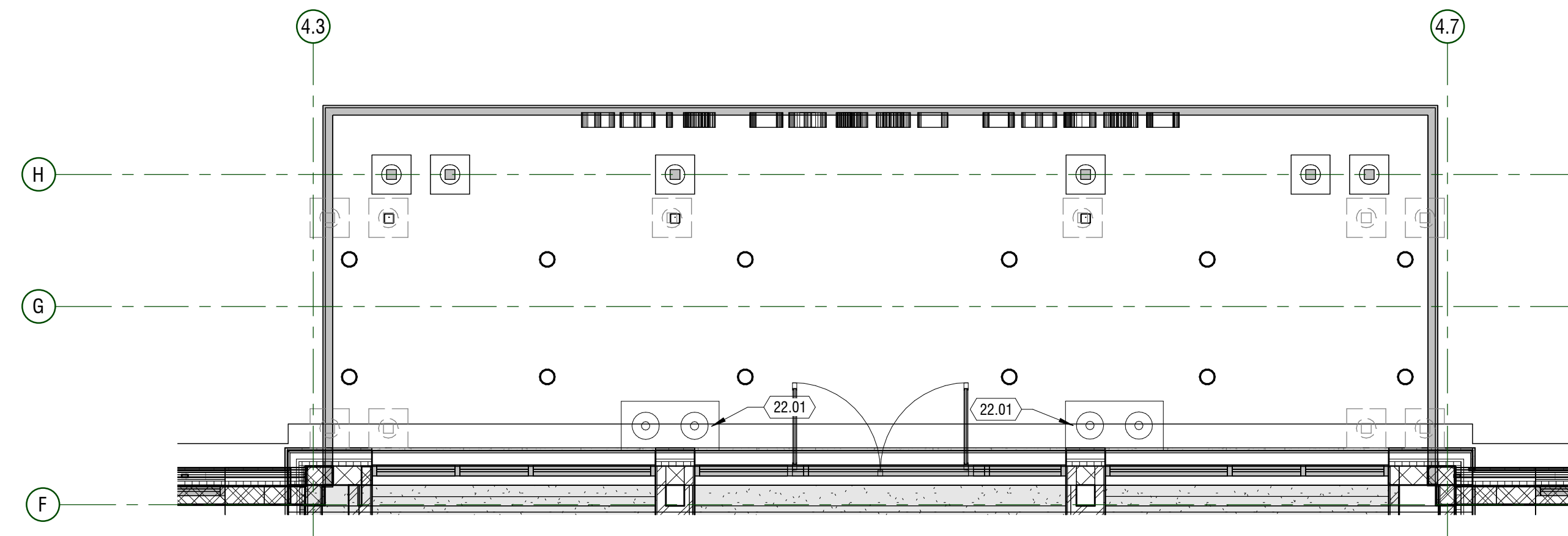
B3 ENLARGED ROOF PLAN

1/4" = 1'-0" EAST CANOPY - COUNCIL ENTRY



A1 ENLARGED ROOF PLAN

1/4" = 1'-0" WEST CANOPY



A3 ENLARGED ROOF PLAN

1/4" = 1'-0" EAST CANOPY - MAIN ENTRY

NOT FOR CONSTRUCTION

NORTH LOGAN CITY - CIVIC CENTER
APPROXIMATELY 2515 N 600 E

NORTH LOGAN, UT
NORTH LOGAN CITY

design west architects
LOGAN, UT 84321
SALT LAKE CITY, UT 84103

MARK	DATE	DESCRIPTION

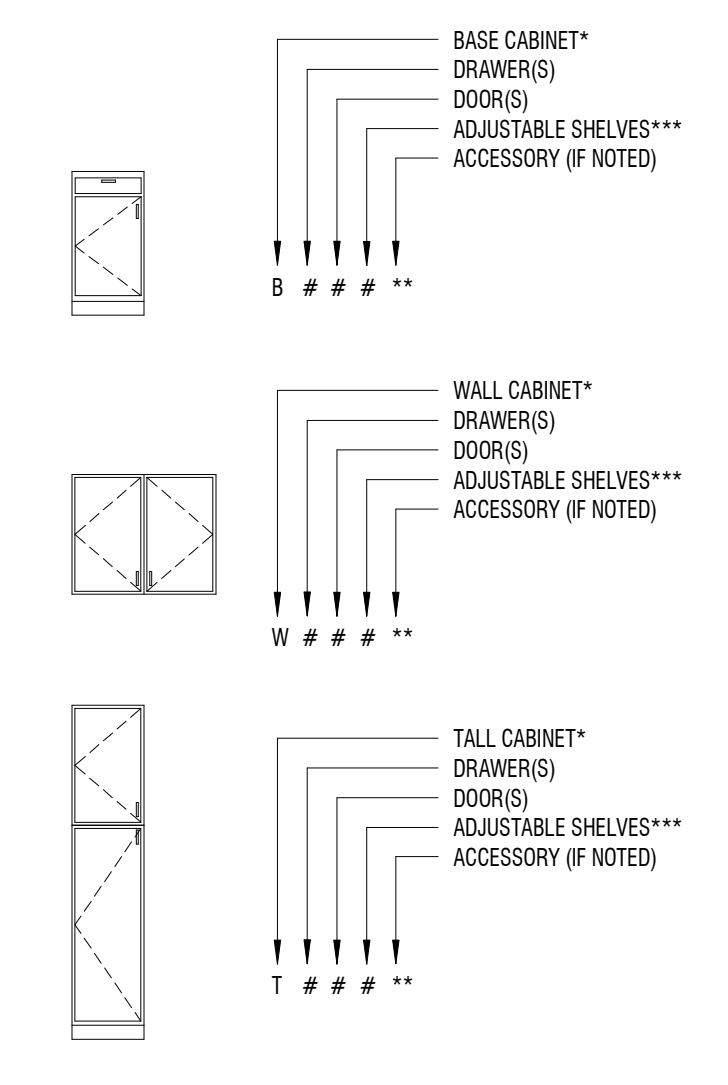
PROJECT #: 821239
DRAWN BY: NIELSON
CHECKED BY: ZETTERQUIST
ISSUED: 03.30.2022

ENLARGED ROOF PLAN

A-461

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CASEWORK KEY



GENERAL NOTES

- LEGAL NOTICE: THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT ARE COMPOSED OF SETS OF DRAWINGS AND SPECIFICATIONS, AND THEREFORE SHALL BE USED AND MAINTAINED IN THEIR ENTIRETY. ANY CONTRACTOR, SUBCONTRACTOR, VENDOR OR PARTY PARTICIPATING IN OR BIDDING ON THIS PROJECT SHALL BE EXPECTED TO PERFORM DUE DILIGENCE TO ENSURE THEIR BID, WORK PERFORMED, AND MATERIALS PROVIDED CONFORMS TO THE INFORMATION PROVIDED WITHIN ANY AND ALL SHEETS OF DRAWINGS AND SPECIFICATIONS, INCLUDING, BUT NOT LIMITED TO, ANY SUBSEQUENT ADDENDA OR CLARIFICATIONS THAT MAY BE ISSUED RELEVANT TO THEIR SCOPE OF WORK. PROJECT SCOPE MAY BE DEFINED WITHIN SPECIFICATIONS AND/OR DRAWINGS.
- ADDITIONALLY, DRAWINGS MAY NOT BE RE-SCALED WHEN PRINTED. WRITTEN DIMENSIONS SHALL HAVE PRECEDENCE, AND LARGER SCALE DRAWINGS SHALL HAVE PRECEDENCE OVER SMALLER SCALE DRAWINGS.
- ANY DEVIATION FROM OR CONFLICT WITHIN THE DRAWINGS AND/OR SPECIFICATIONS, MUST BE SUBMITTED TO AND APPROVED BY THE ARCHITECT BEFORE CONTINUING THAT PORTION OF WORK.
- FOR FINISH SCHEDULE /PI/ SEE SHEET A-691
- INTERIOR ELEVATION DESIGNATIONS: W = WIDTH, H = HEIGHT, D = DEPTH, EQ = EQUAL LENGTH OR WIDTH TO FILL REMAINDER OF LENGTH REQUIRED.
- ALL FLOOR SUPPORTED STORAGE CABINETS, WHEN ADJACENT TO THE WALL, SHALL BE FASTENED TO THE WALL & FLOOR.
- GROMMET HOLES IN MILLWORK TO BE AS SPECIFIED. PREFAB HOLE FINISH AND COVER LOCATIONS TO BE 2" FROM BACK OF SURFACE - LOCATIONS PER OWNER.
- PROVIDE BACKING AT ALL STUD LOCATIONS FOR ATTACHMENT OF MILLWORK AND FUTURE SHELVING.
- FOR ACCESSORY LENGTHS AND MOUNTING HEIGHT SEE
- ANY ROOM SIGNS ARE FOR REPRESENTATION ONLY. VERIFY W/ARCHITECT SIGN TEXT, STYLE AND LOCATION.

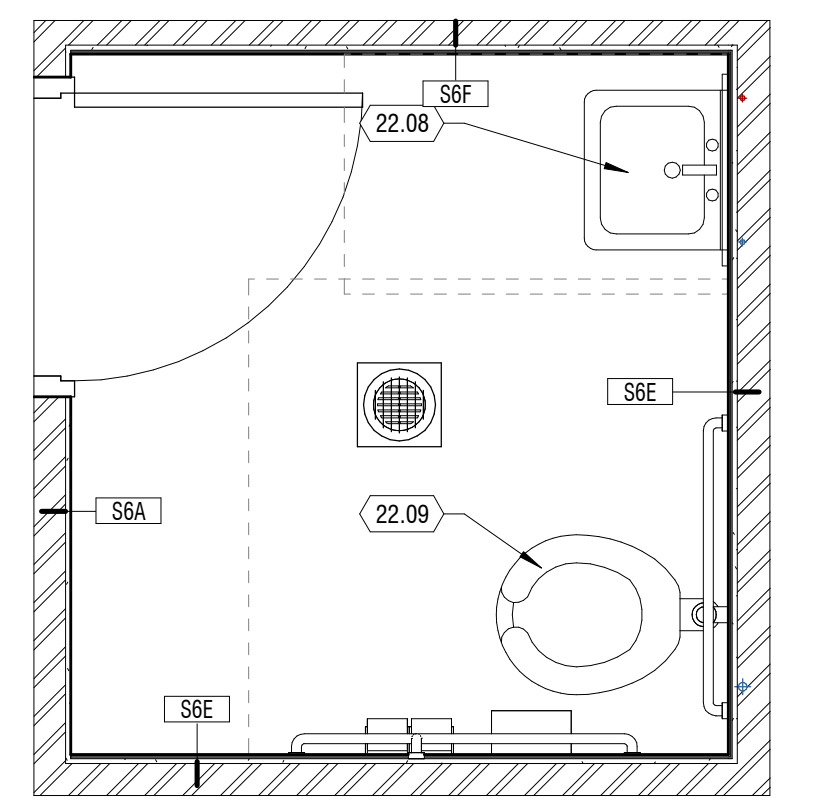
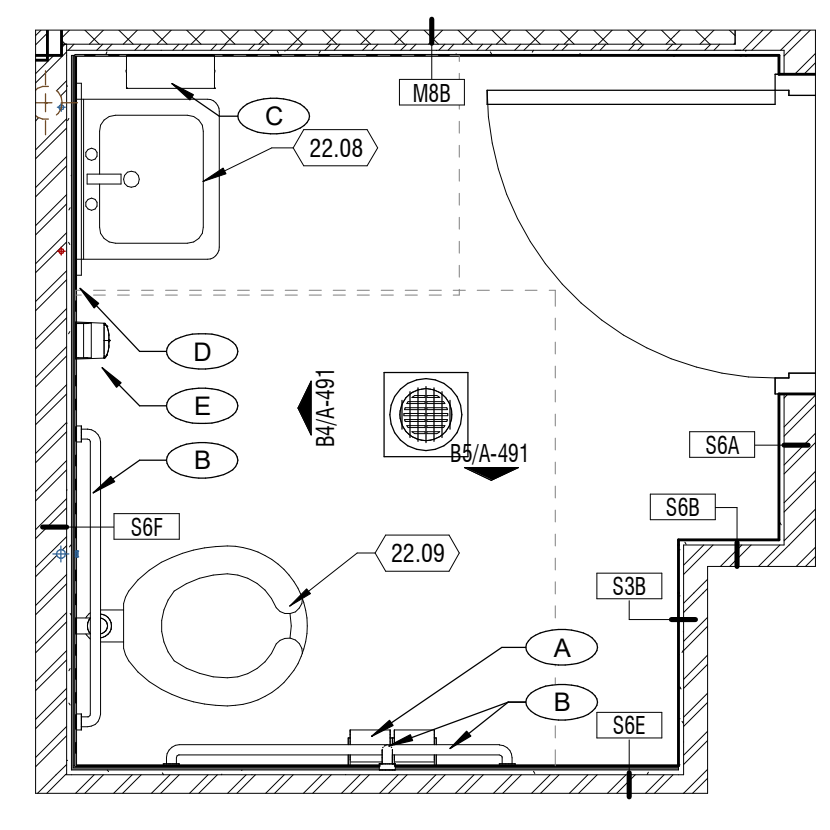
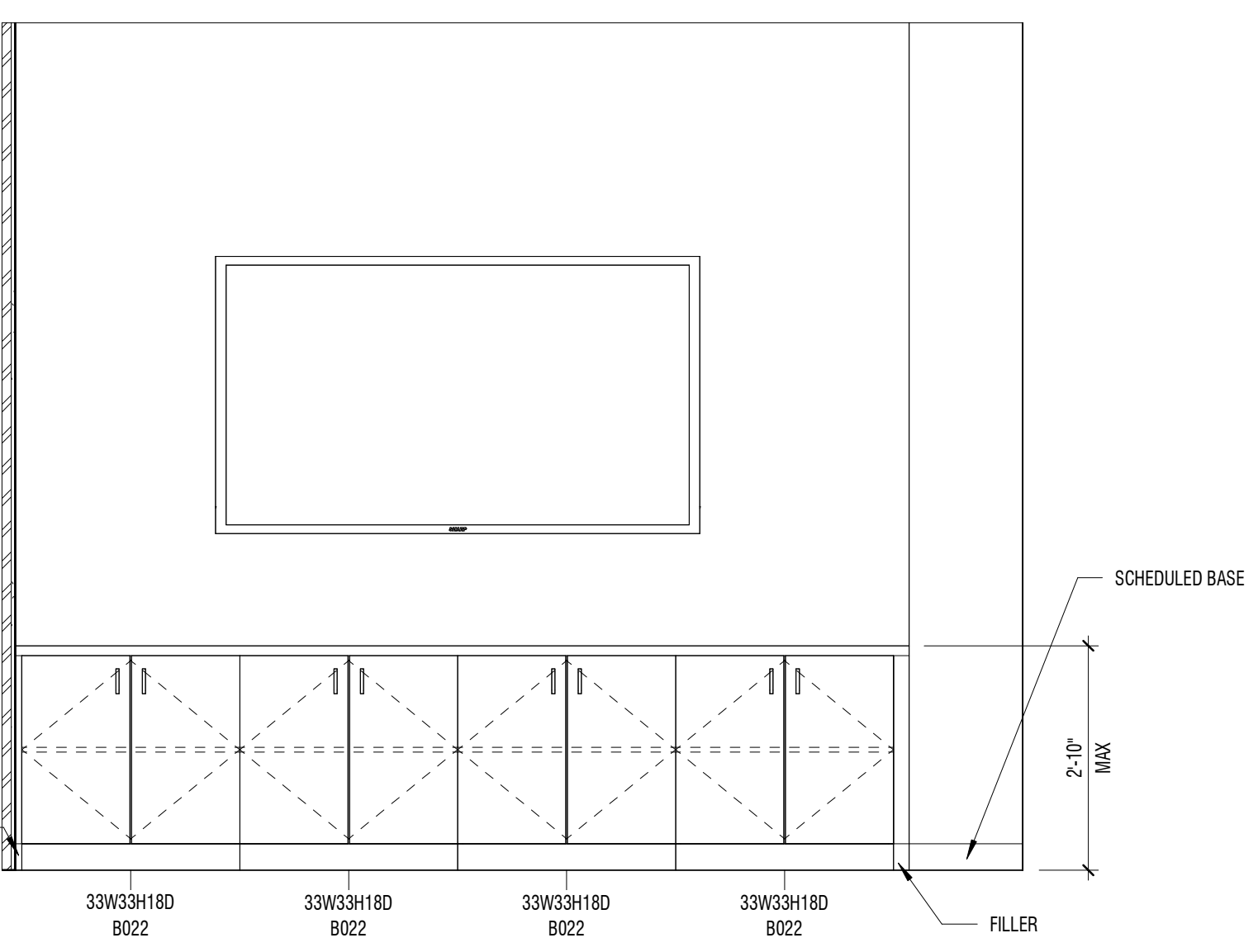
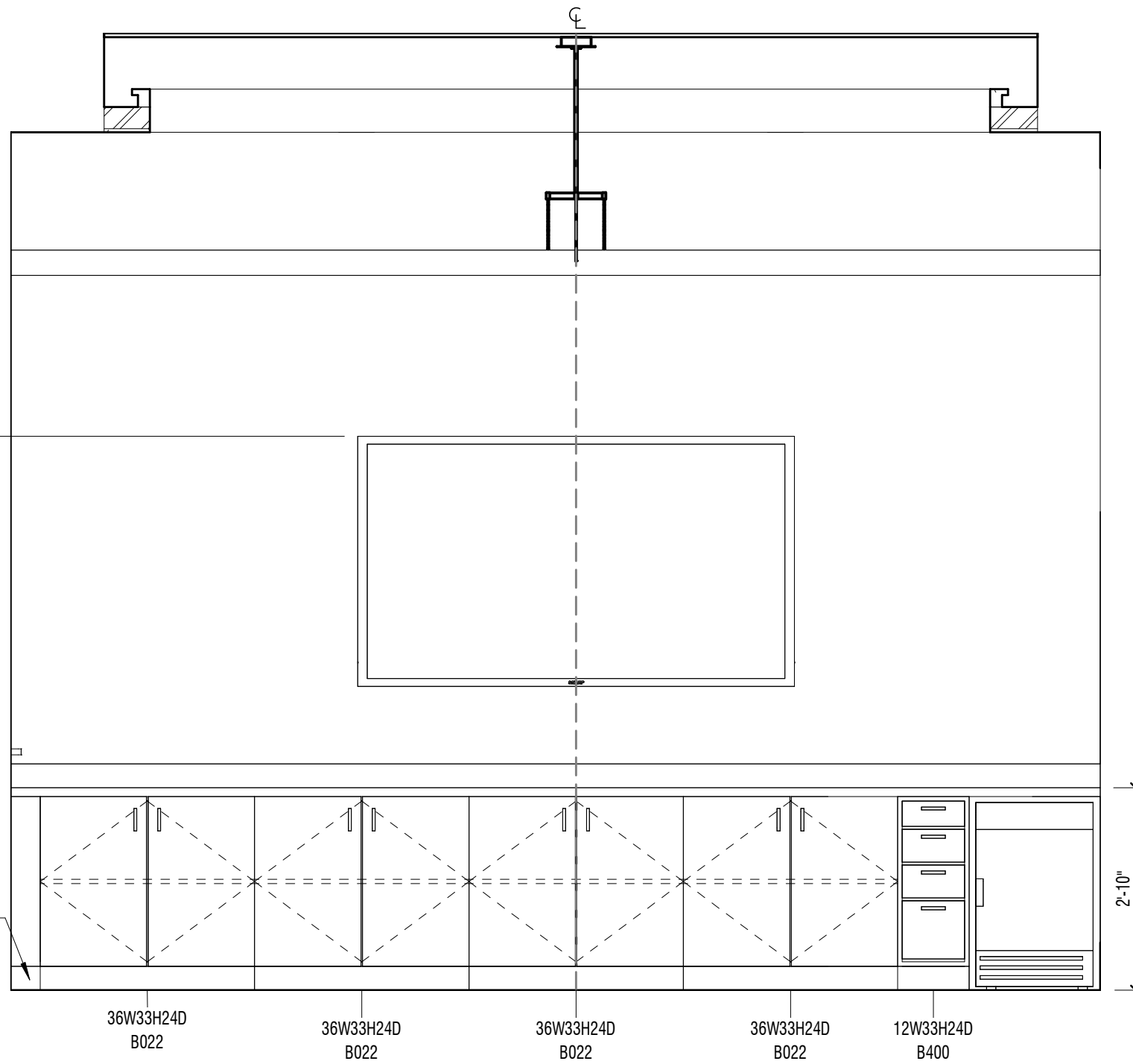
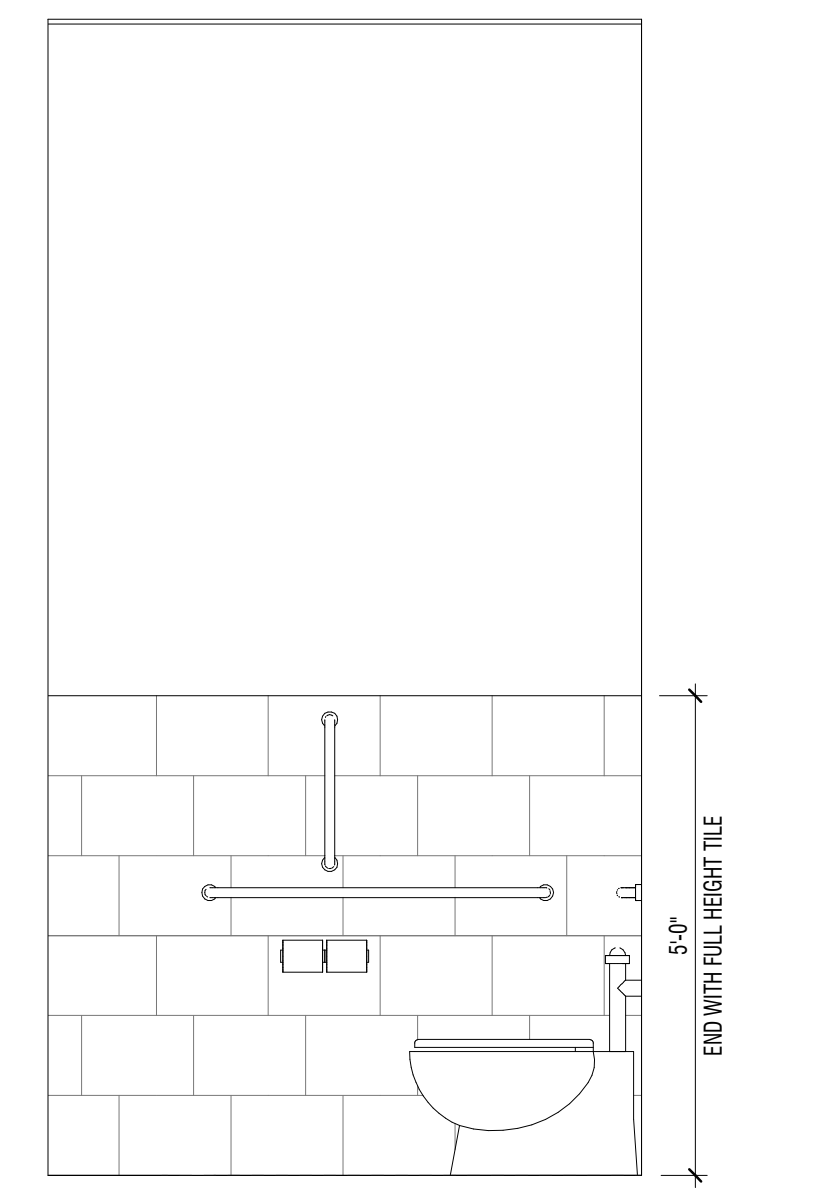
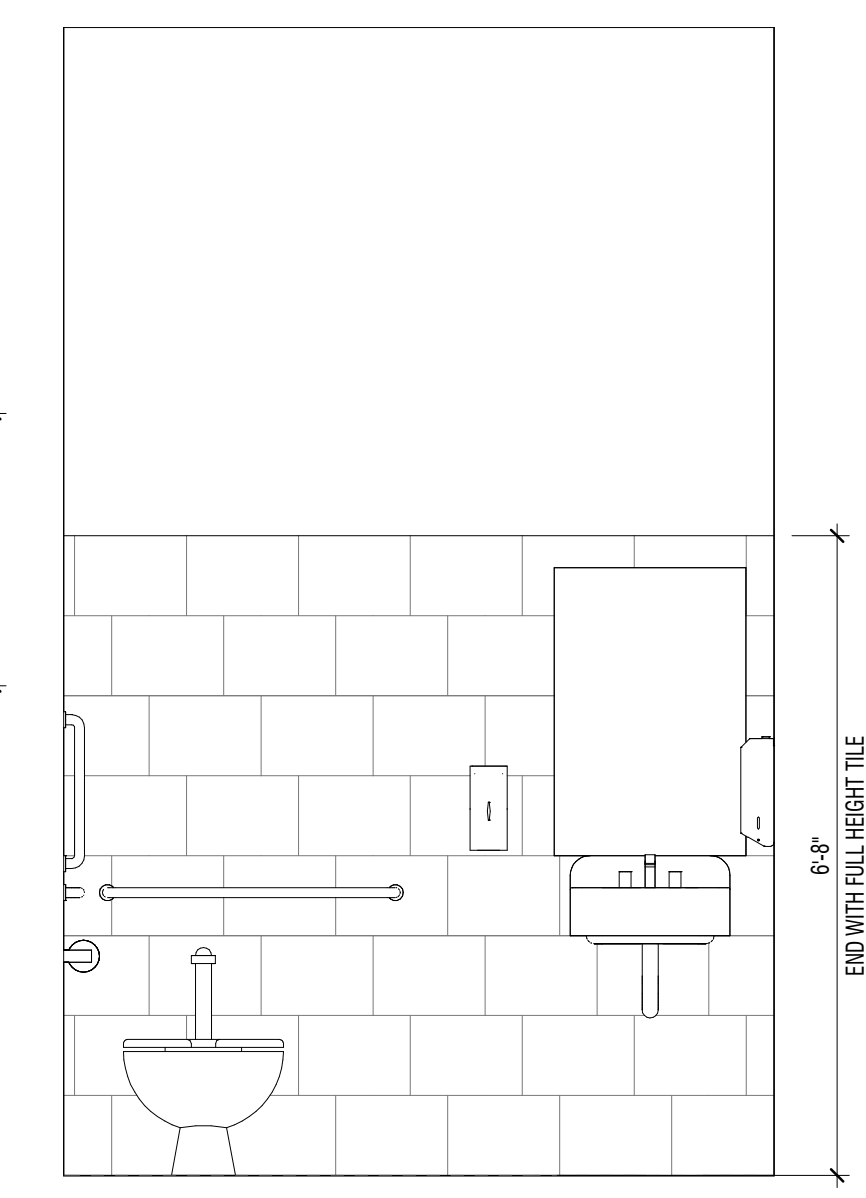
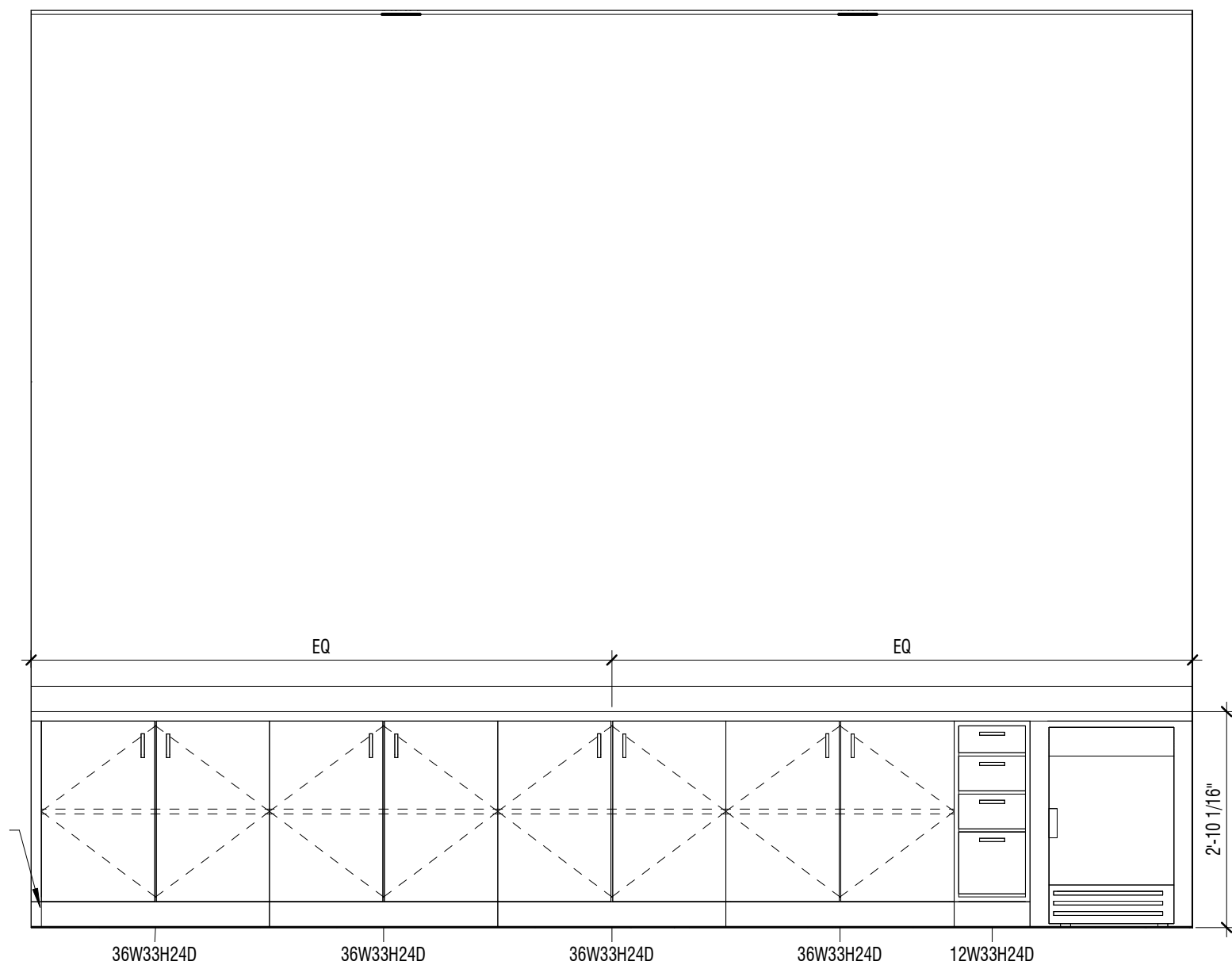
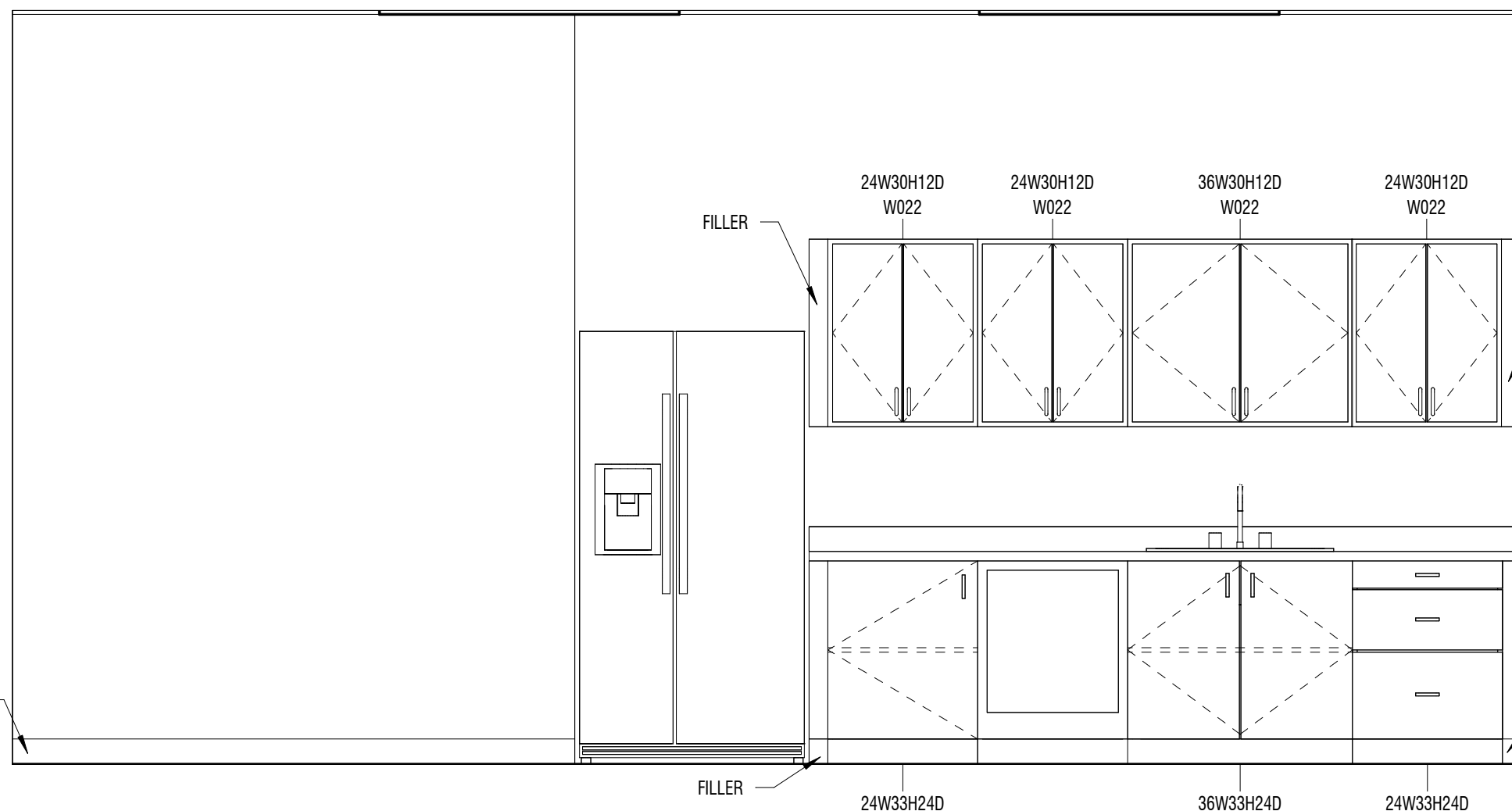
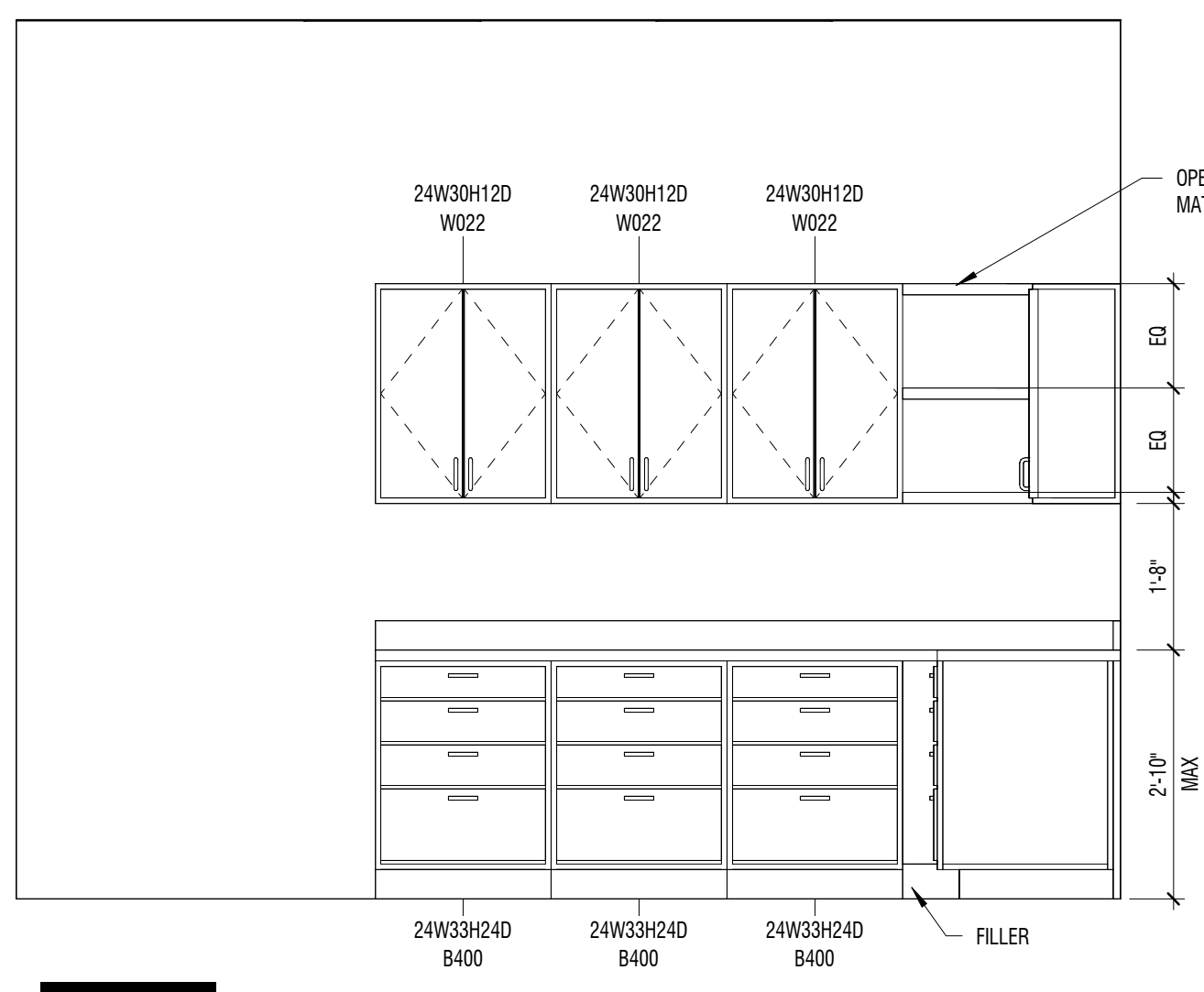
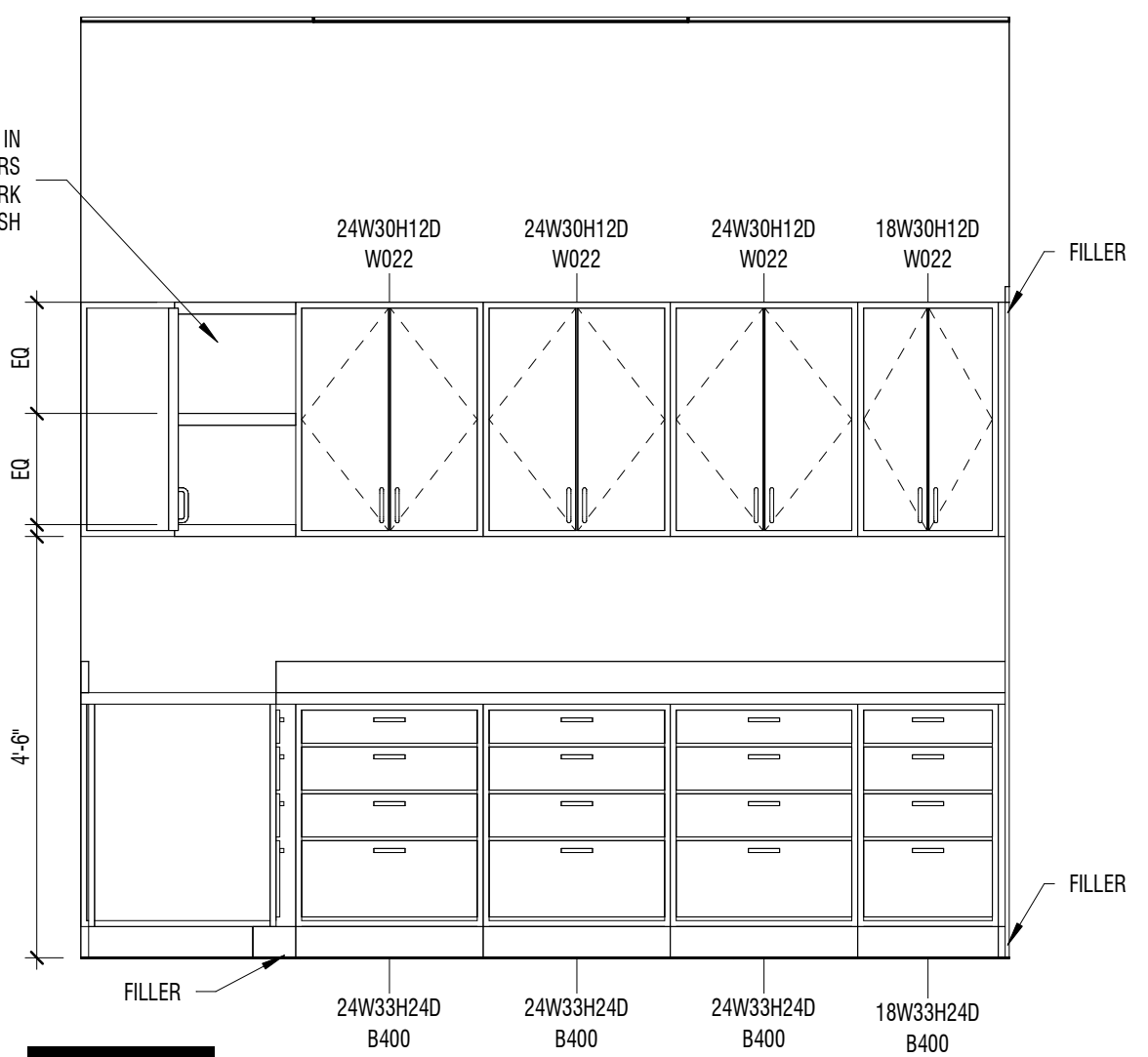
EQUIPMENT MATRIX

#	MARK	NAME/DESCRIPTION	PROVIDED BY:		INSTALLED BY:	
			CONTRACTOR	OWNER	CONTRACTOR	OWNER
A		TOILET TISSUE DISPENSER				
B		GRAB BAR				
C		PAPER TOWEL DISPENSER				
D		MIRROR				
E		SOAP DISPENSER				

* NOTE:
 SB DENOTES SINK BASE CABINET

** NOTE:
 L DENOTES LOCKS AT DOOR(S)/DRAWER(S)
 F DENOTES FILE DRAWER(S)
 V DENOTES VENTED DOOR
 # DENOTES NUMBER OF VERTICAL PANELS. EQUALLY SPACED U.N.D.

*** NOTE:
 # DENOTES NUMBER OF TOTAL SHELVES



4/1/2022 12:41:45 PM Autodesk Docs: 8021239 - North Logan City - Civic Center 8021239-A4-CIVIC CENTER-R002_V2_Typicals.rvt

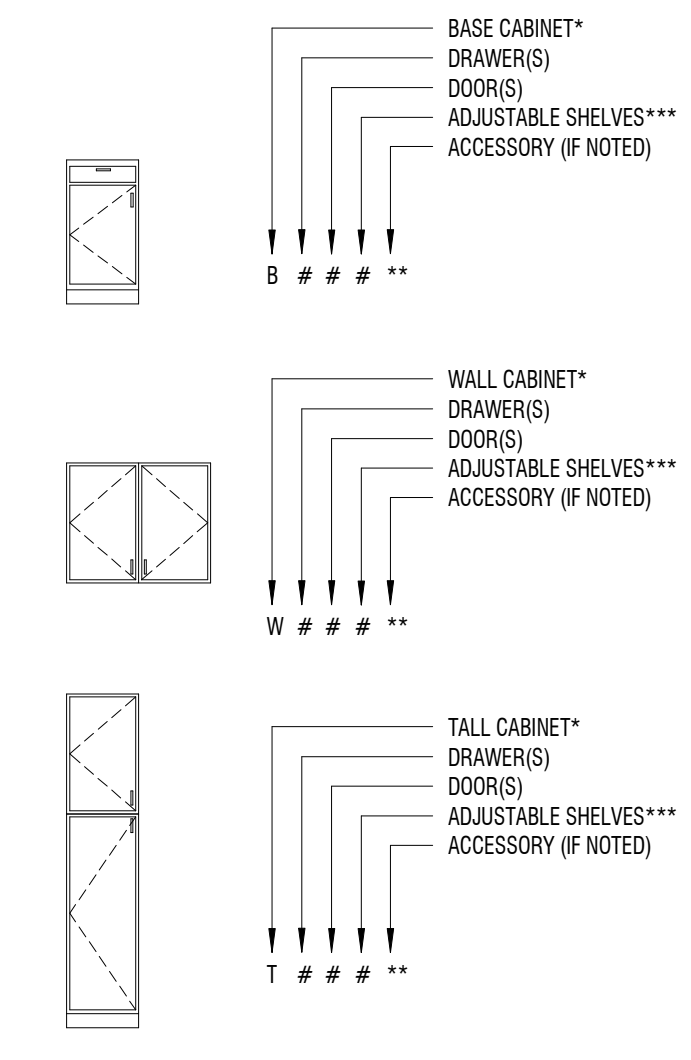
NOT FOR CONSTRUCTION

PROJECT #: 821239
 DRAWN BY: CHILDERS
 CHECKED BY: ZETTERQUIST
 ISSUED: 03.30.2022

INTERIOR ELEVATIONS W/
 ENLARGED PLANS

A-491

CASEWORK KEY



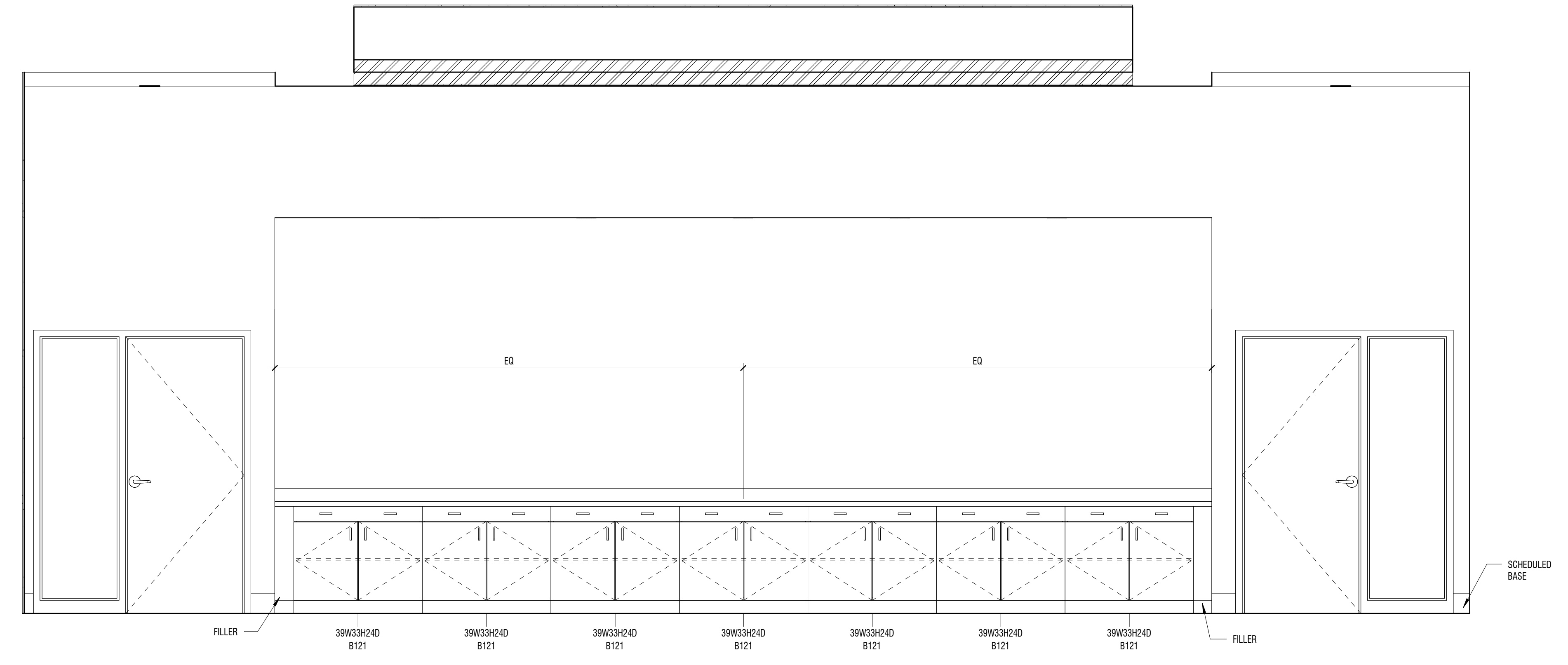
* NOTE:
 SB DENOTES SINK BASE CABINET

** NOTE:
 L DENOTES LOCKS AT DOOR(S) DRAWER(S)
 F DENOTES FILE DRAWER(S)
 V DENOTES VENTED DOOR
 # DENOTES NUMBER OF VERTICAL PANELS, EQUALLY SPACED U.N.O.

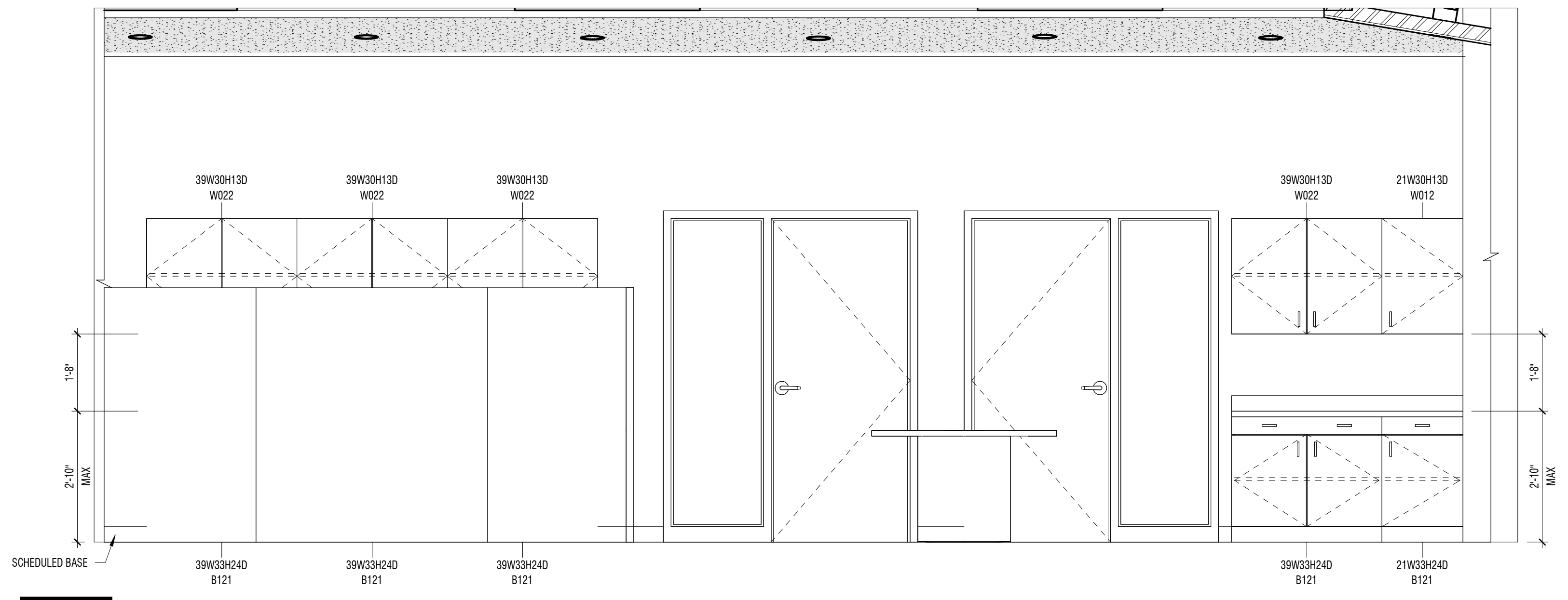
*** NOTE:
 # DENOTES NUMBER OF TOTAL SHELVES

GENERAL NOTES

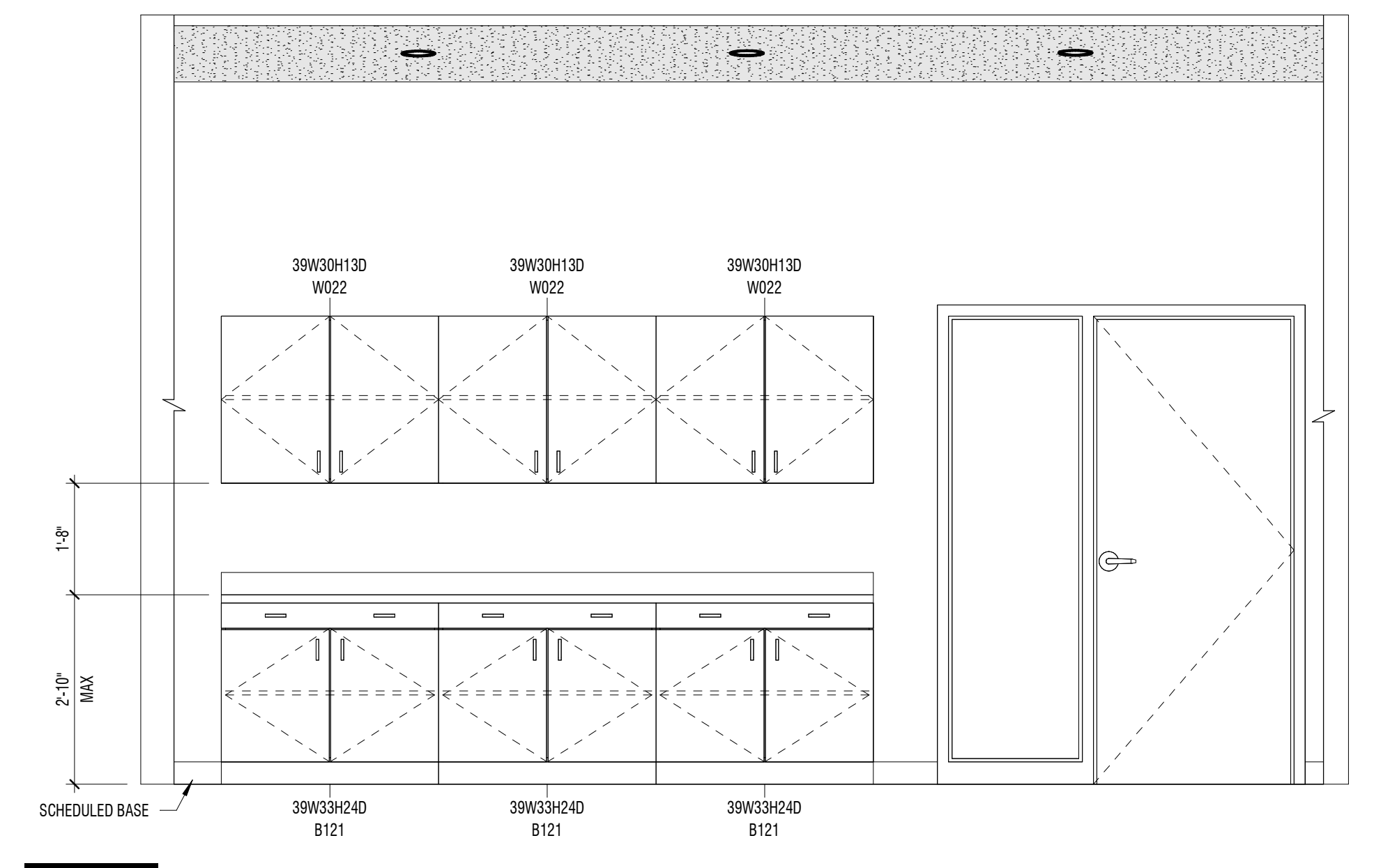
- LEGAL NOTICE: THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT ARE COMPOSED OF SETS OF DRAWINGS AND SPECIFICATIONS, AND THEREFORE SHALL BE USED AND MAINTAINED IN THEIR ENTIRETY. ANY CONTRACTOR, SUBCONTRACTOR, VENDOR OR PARTY PARTICIPATING IN OR BIDDING ON THIS PROJECT SHALL BE EXPECTED TO PERFORM DUE DILIGENCE TO ENSURE THEIR BID, WORK PERFORMED, AND MATERIALS PROVIDED CONFORMS TO THE INFORMATION PROVIDED WITHIN ANY AID ALL SHEETS OF DRAWINGS AND SPECIFICATIONS, INCLUDING, BUT NOT LIMITED TO, ANY SUBSEQUENT ADDENDA OR CLARIFICATIONS THAT MAY BE ISSUED RELEVANT TO THEIR SCOPE OF WORK. PROJECT SCOPE MAY BE DEFINED WITHIN SPECIFICATIONS AND/OR DRAWINGS.
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- INTERIOR ELEVATION DESIGNATIONS: W = WIDTH, H = HEIGHT, D = DEPTH, EQ = EQUAL LENGTH OR WIDTH TO FILL REMAINDER OF LENGTH REQUIRED.
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- PROVIDE BACKING AT ALL STUD LOCATIONS FOR ATTACHMENT OF MILLWORK AND FUTURE SHELVING.
- FOR ACCESSORY LENGTHS AND MOUNTING HEIGHT SEE
- ANY ROOM SIGNS ARE FOR REPRESENTATION ONLY. VERIFY W/ARCHITECT SIGN TEXT, STYLE AND LOCATION.



B1 COUNCIL ROOM CABINETS
 1/2" = 1'-0"



A1 OPEN OFFICE
 1/2" = 1'-0"



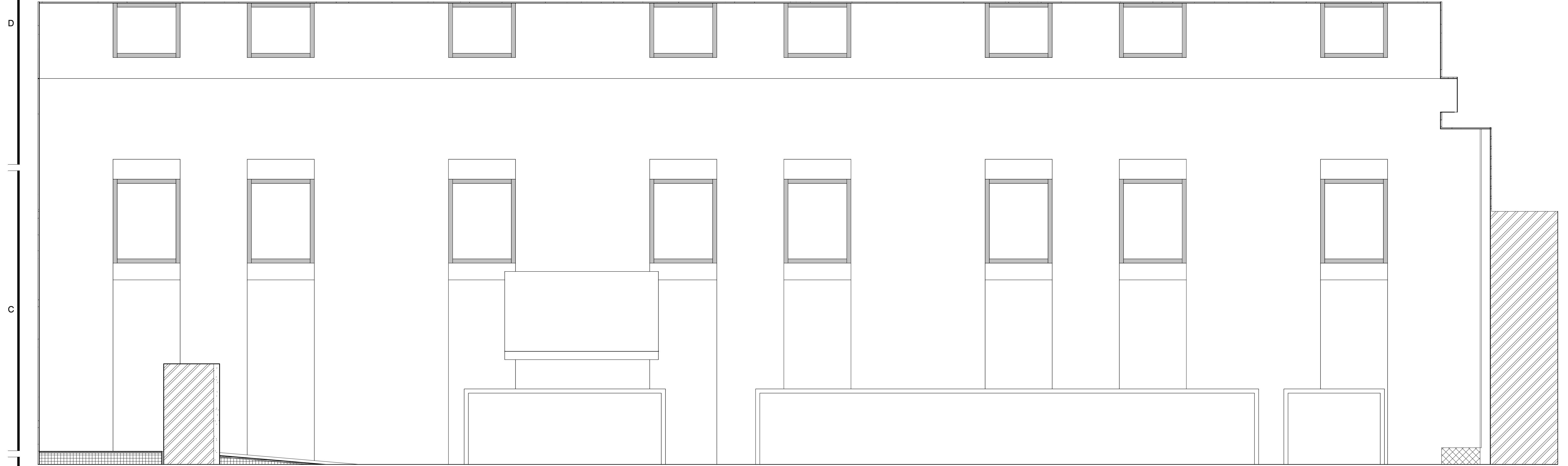
A3 OPEN OFFICE
 1/2" = 1'-0"

NOT FOR CONSTRUCTION

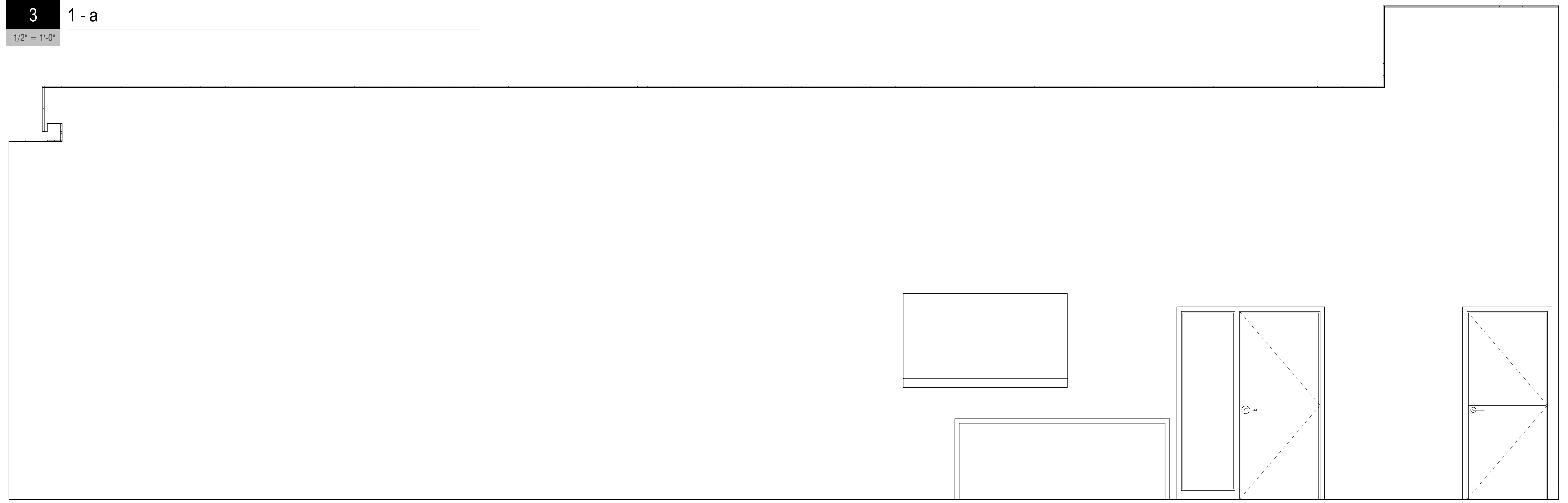
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DATE:	
MARK:	
PROJECT #:	821239
DRAWN BY:	CHILDERS
CHECKED BY:	ZETTERQUIST
ISSUED:	03.30.2022

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4/15/22 12:41:48 PM Autodesk Docs:821239 - North Logan City - Civic Center 821239-M-C-CIVIC CENTER-R002_V2_TrimbleMark



3 1 - a
1/2" = 1'-0"



2 2 - a
1/2" = 1'-0"

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION

PROJECT #: 821239
 DRAWN BY: Author
 CHECKED BY: Checker
 ISSUED: 03.30.2022

D

C

B

A

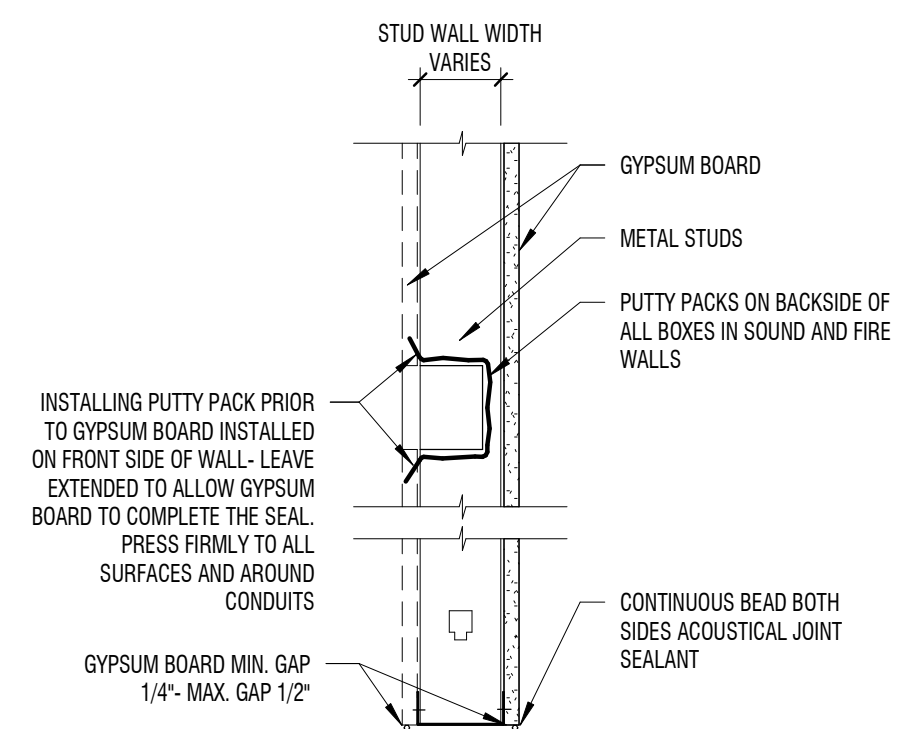
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2

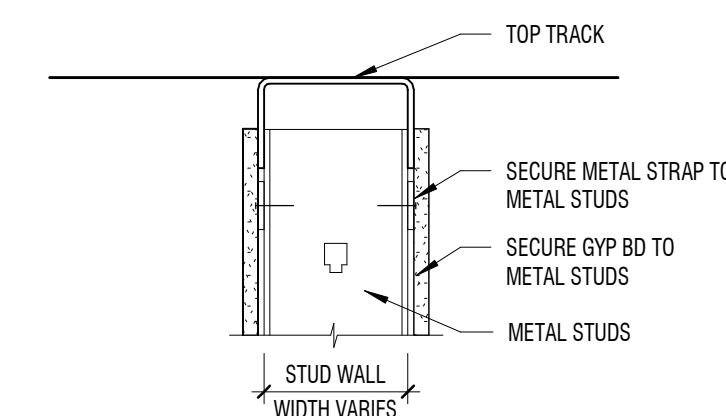
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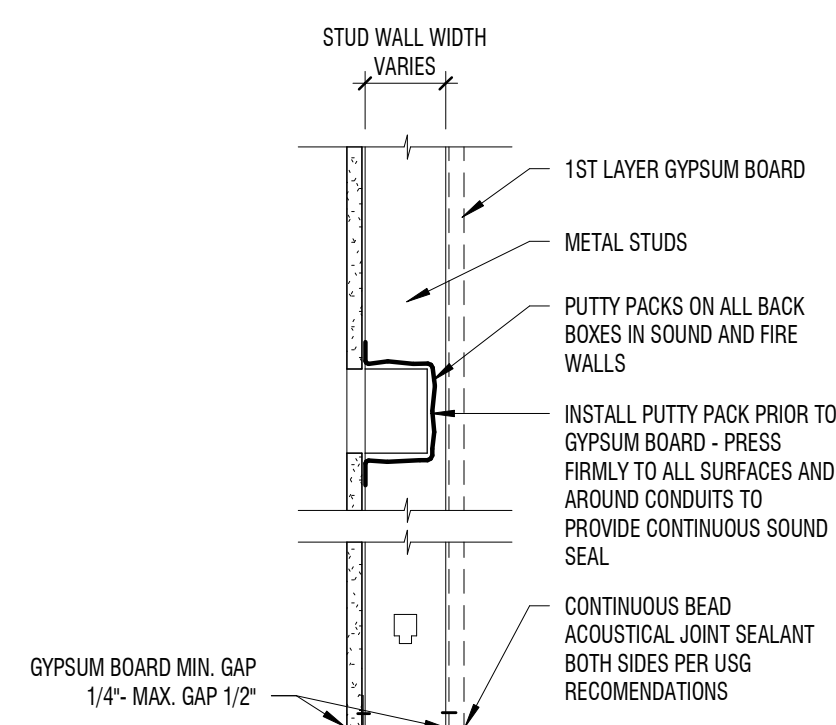
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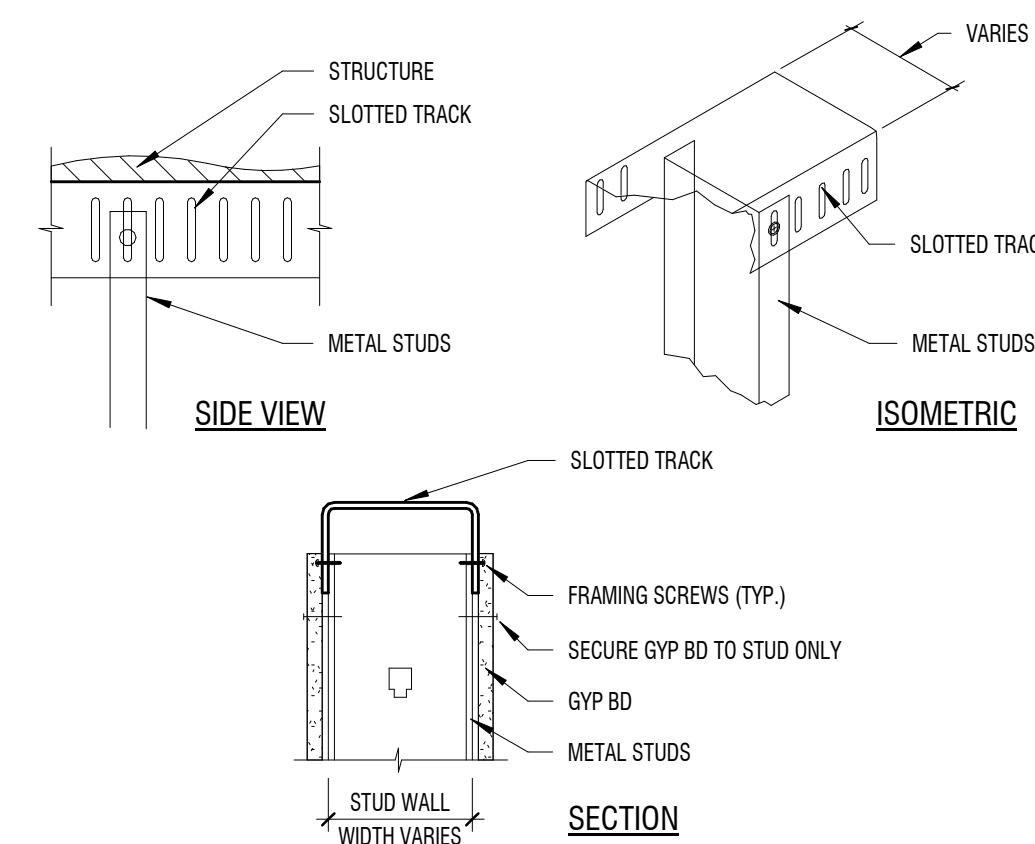
C4 TYPICAL SOUND / FIRE WALL
1 1/2" = 1'-0"



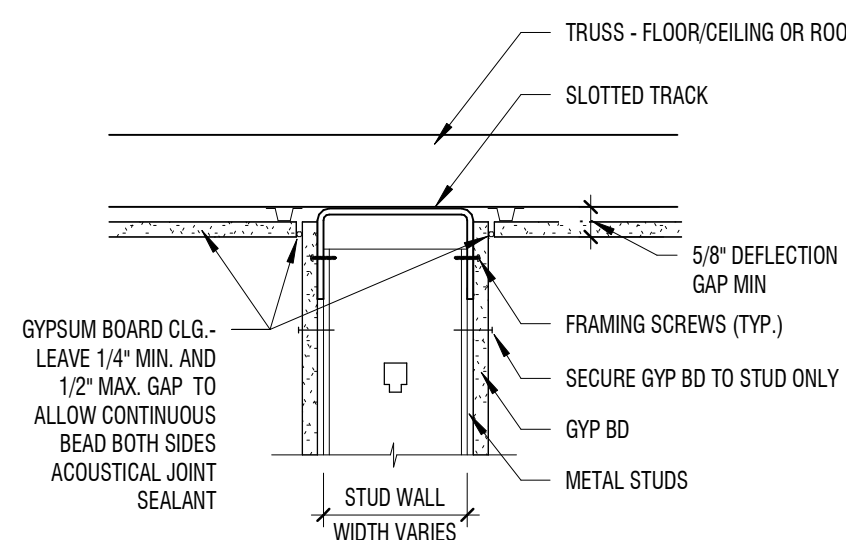
C5 TOP TRACK
1 1/2" = 1'-0"



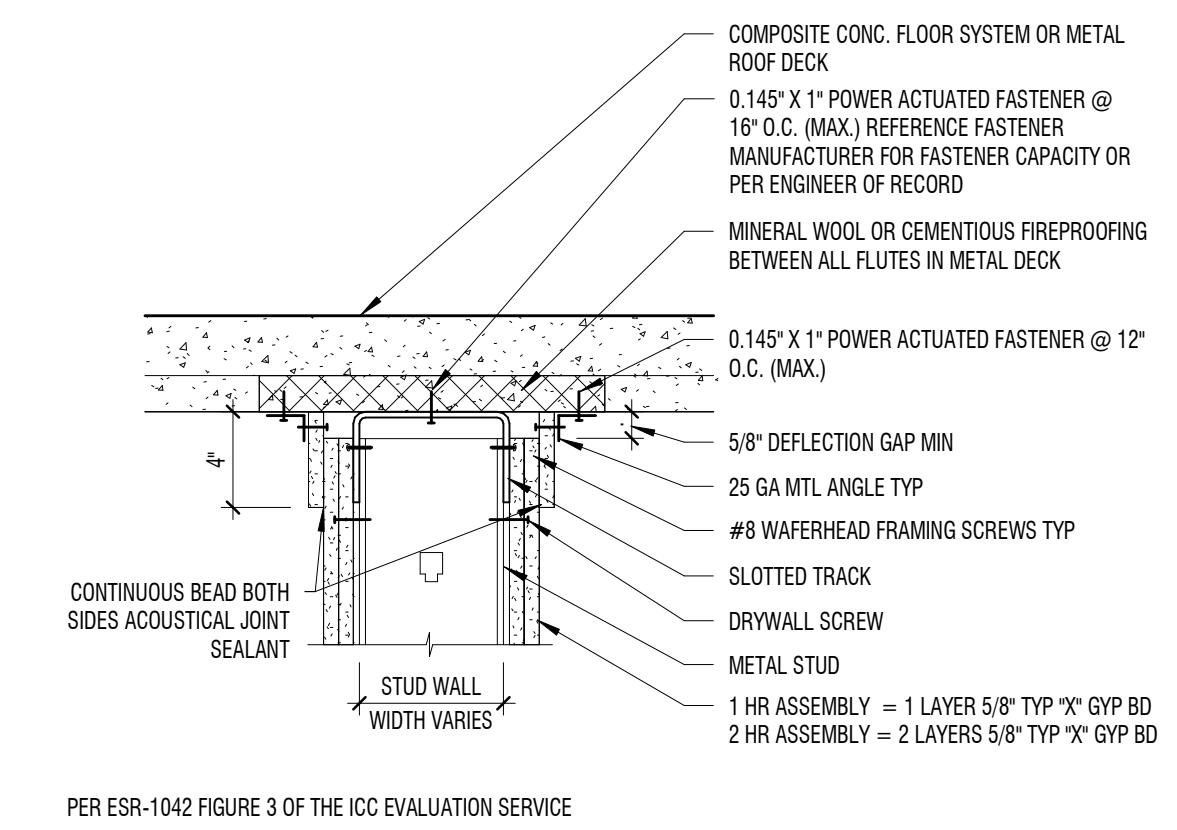
B4 TYPICAL SOUND / FIRE WALL
1 1/2" = 1'-0"



B5 SLOTTED TOP TRACK
1 1/2" = 1'-0"



A4 SLOTTED TOP TRACK
1 1/2" = 1'-0"



A5 FIRE / SOUND TOP TRACK
1 1/2" = 1'-0"

NOT FOR CONSTRUCTION

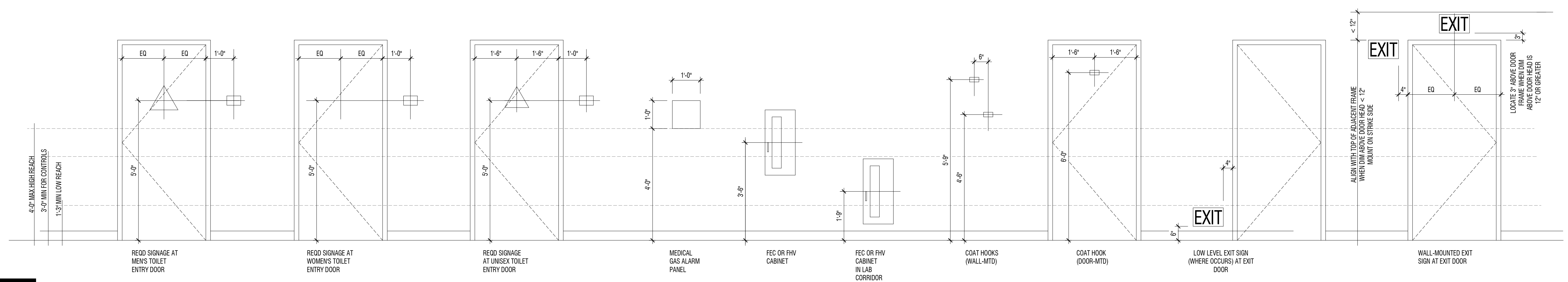
MARK	DATE	DESCRIPTION

PROJECT #: 821239
DRAWN BY: NIELSON
CHECKED BY: ZETTERQUIST
ISSUED: 03.30.2022

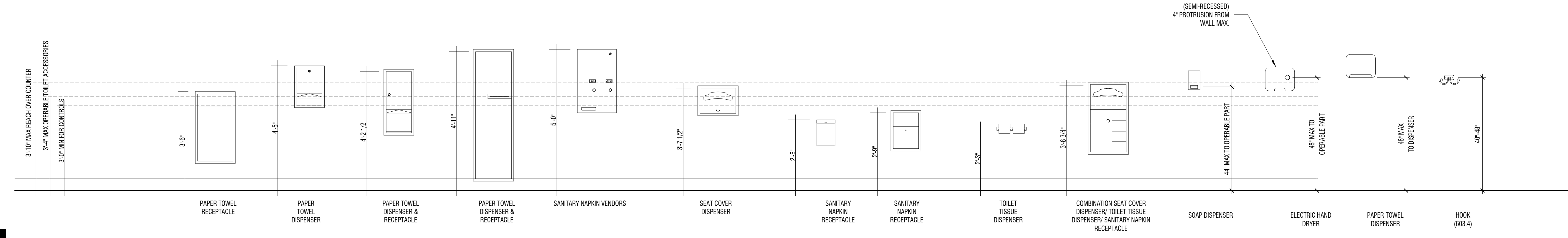
MARK	DATE	DESCRIPTION

PROJECT #: 821239
 DRAWN BY: NIELSON
 CHECKED BY: ZETTERQUIST
 ISSUED: 03.30.2022

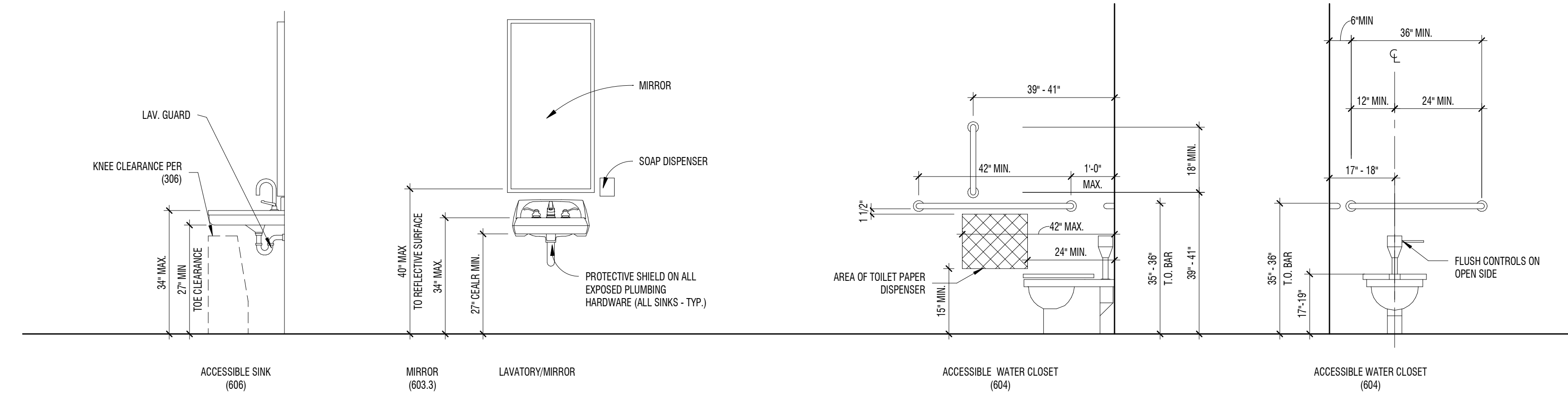
NOT FOR CONSTRUCTION



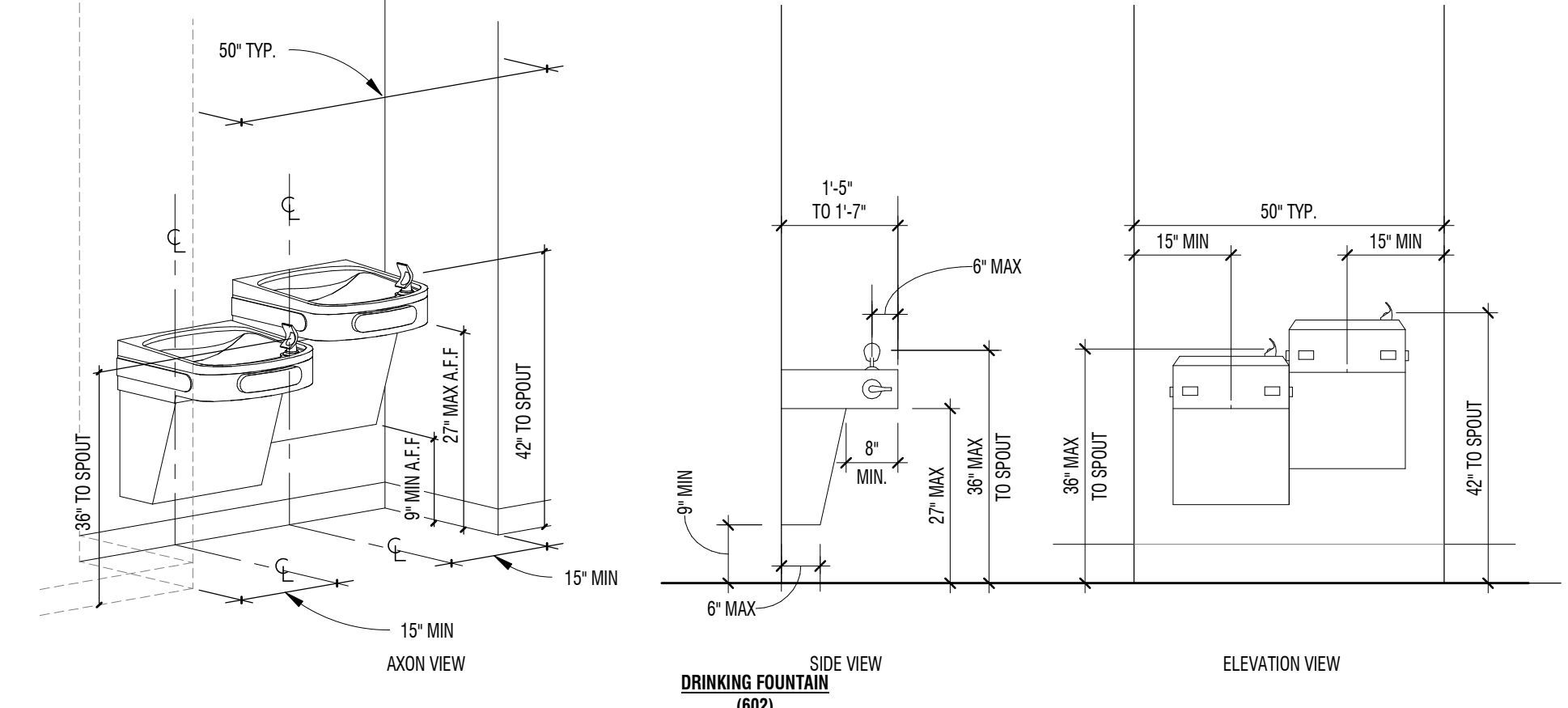
D1 ADA DOOR SIGN MOUNTING HEIGHTS
 1/2" = 1'-0"



C1 ADA RESTROOM ACCESSORIES MOUNTING HEIGHTS
 1/2" = 1'-0"

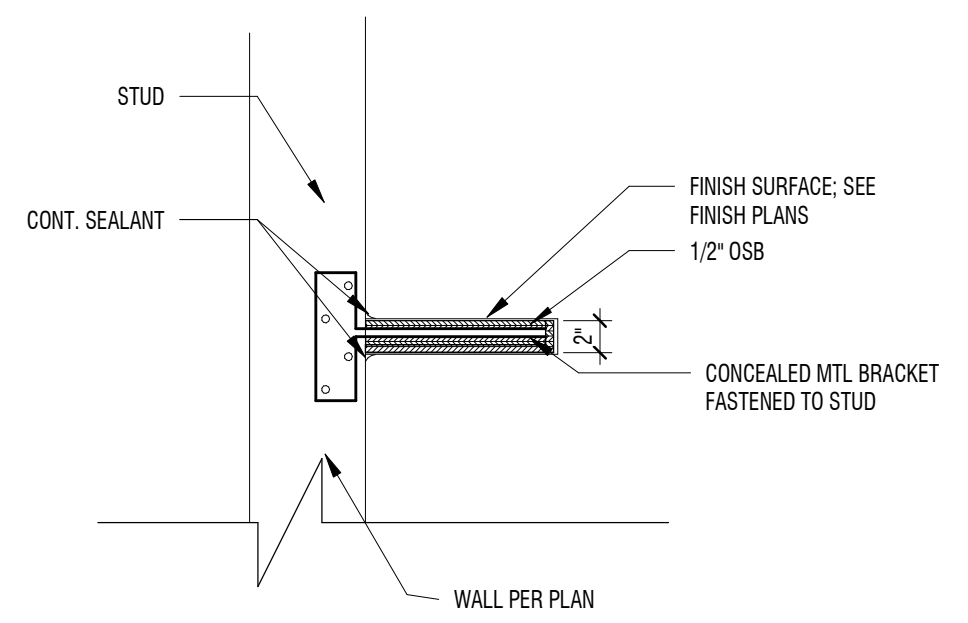


B1 ADA RESTROOM FIXTURE DETAILS
 1/2" = 1'-0"



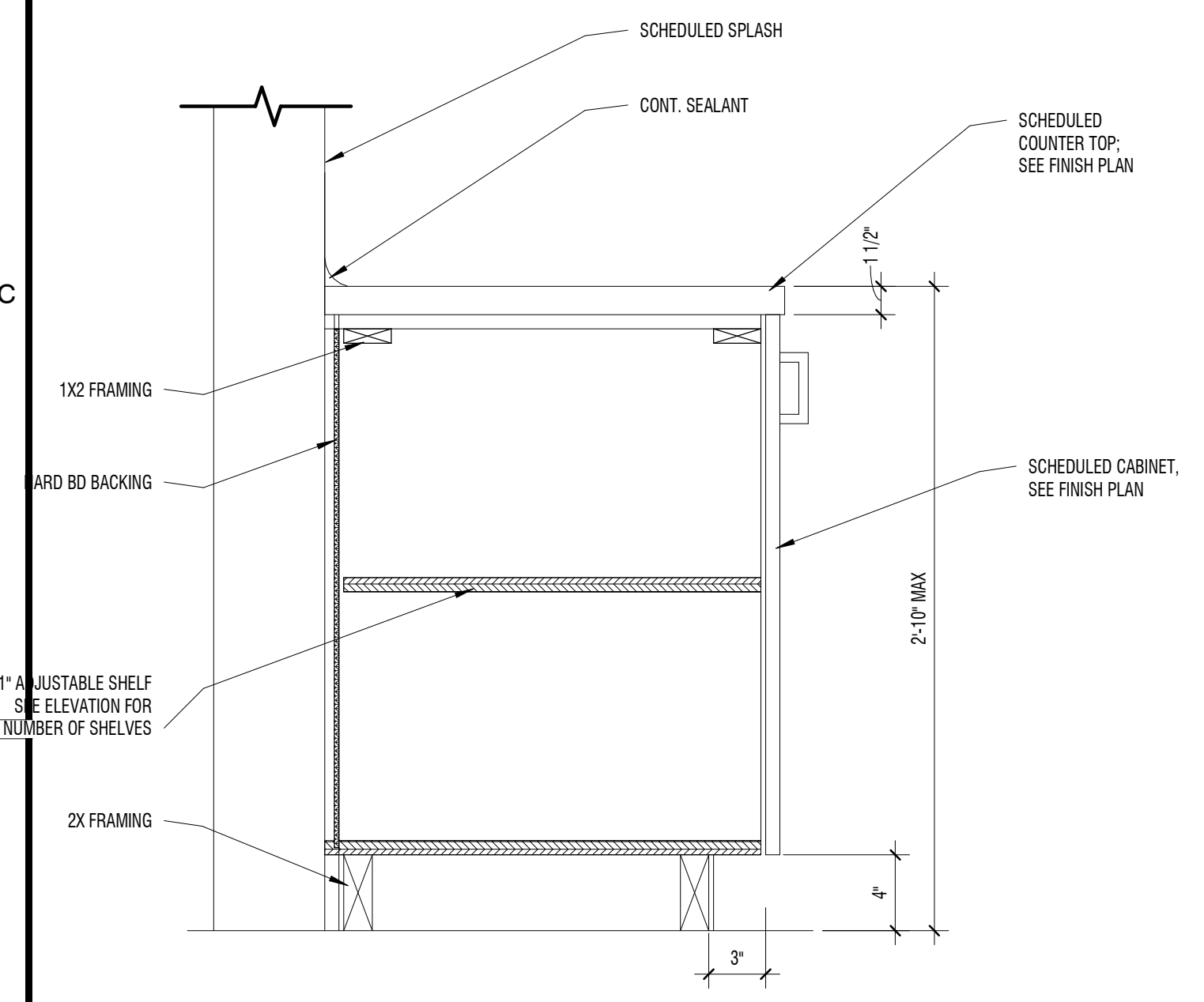
B4 DRINKING FOUNTAIN DETAILS
 1/2" = 1'-0"

4/10/22 12:41:53 PM Autodesk Docs: 821239 - North Logan City - Civic Center 821239-ALC-CIVIC CENTER-R3022_V2_Typemark.rvt



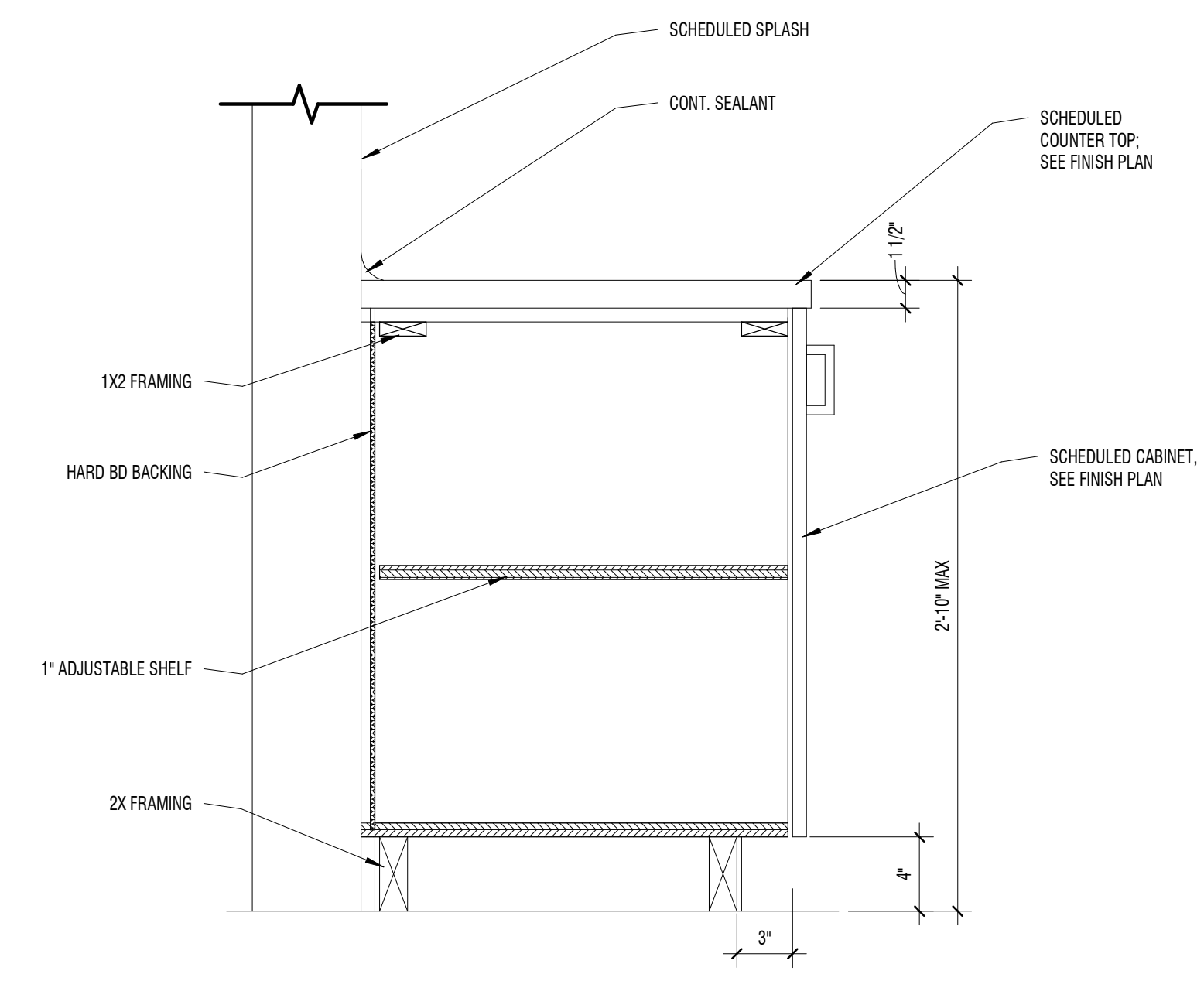
D1 FLOATING SHELVES

1" = 1'-0"



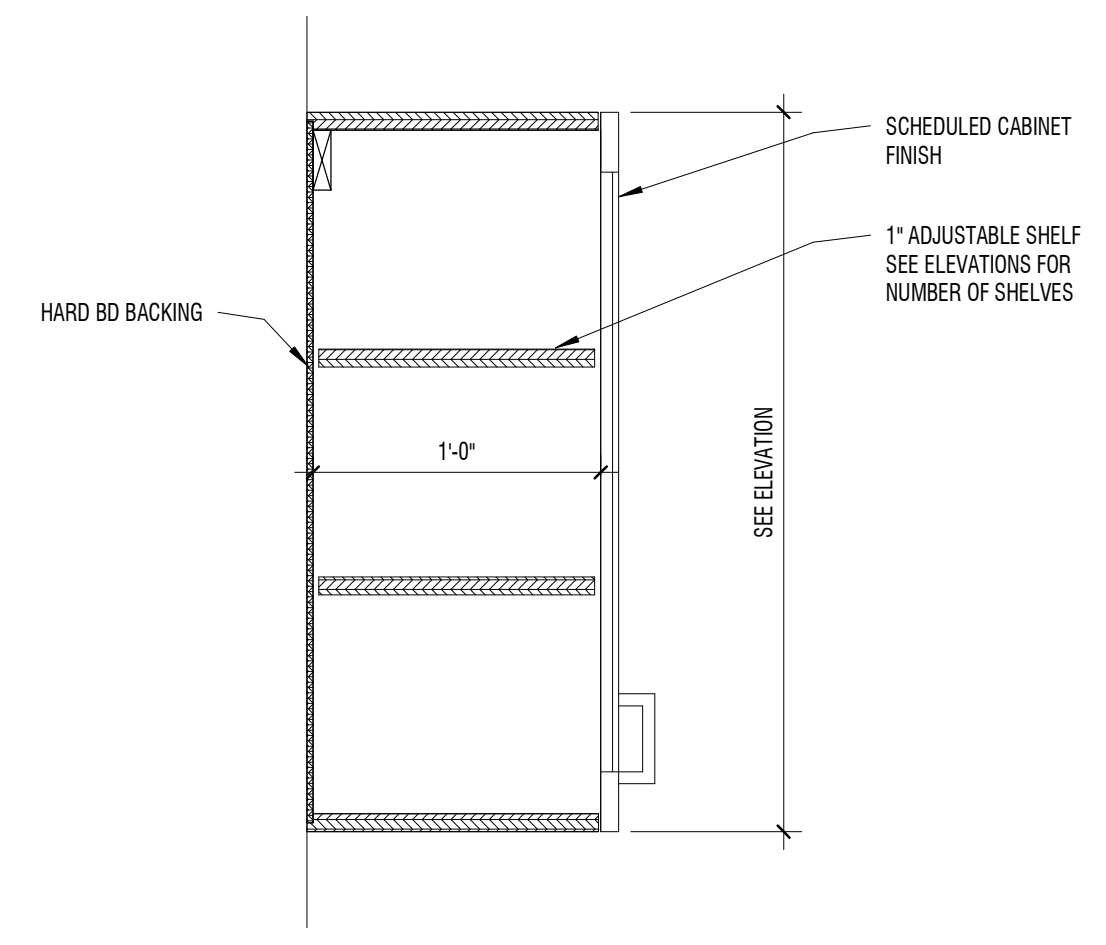
B1 BASE CABINET

1 1/2" = 1'-0"



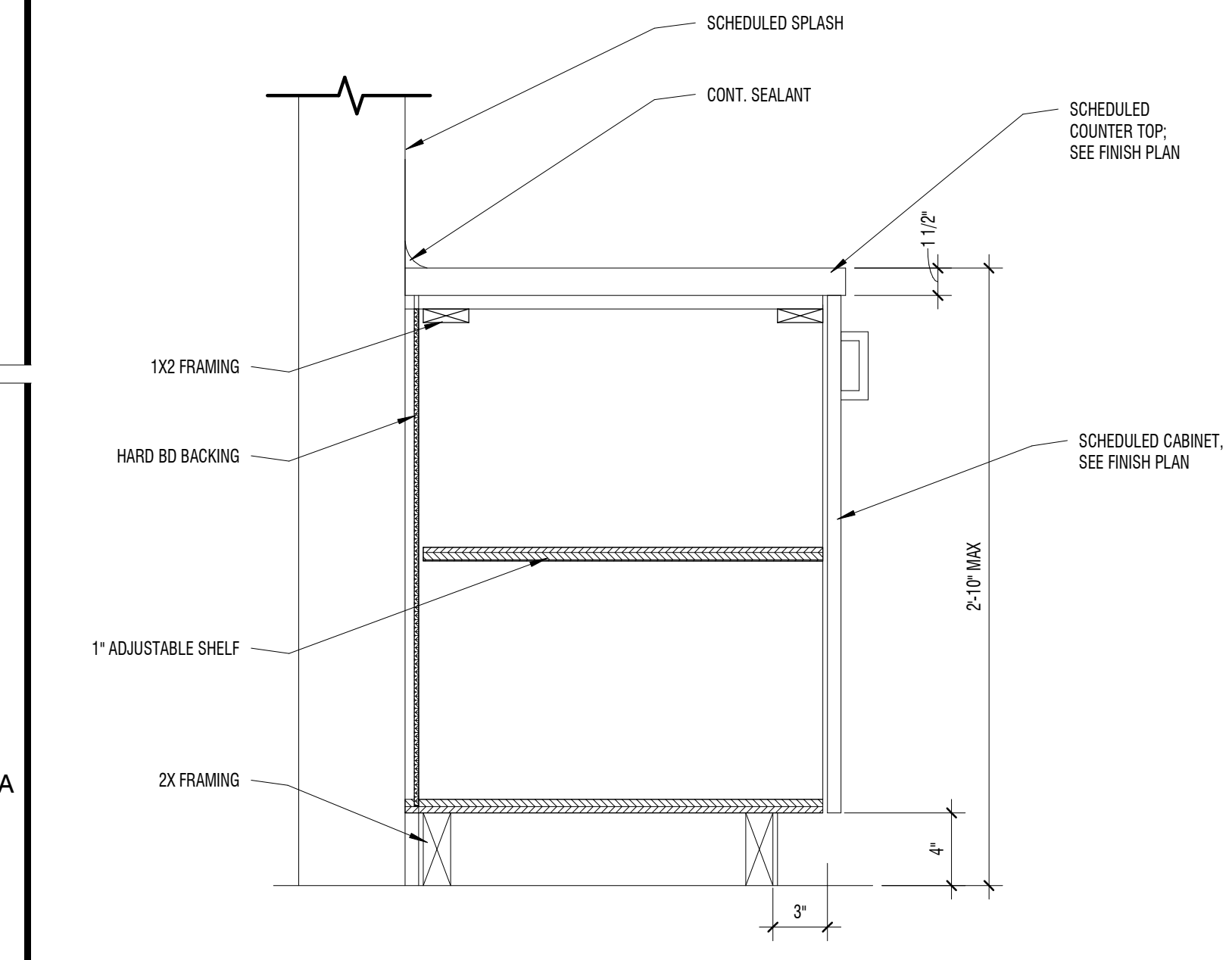
B2 SINK BASE CABINET

1 1/2" = 1'-0"



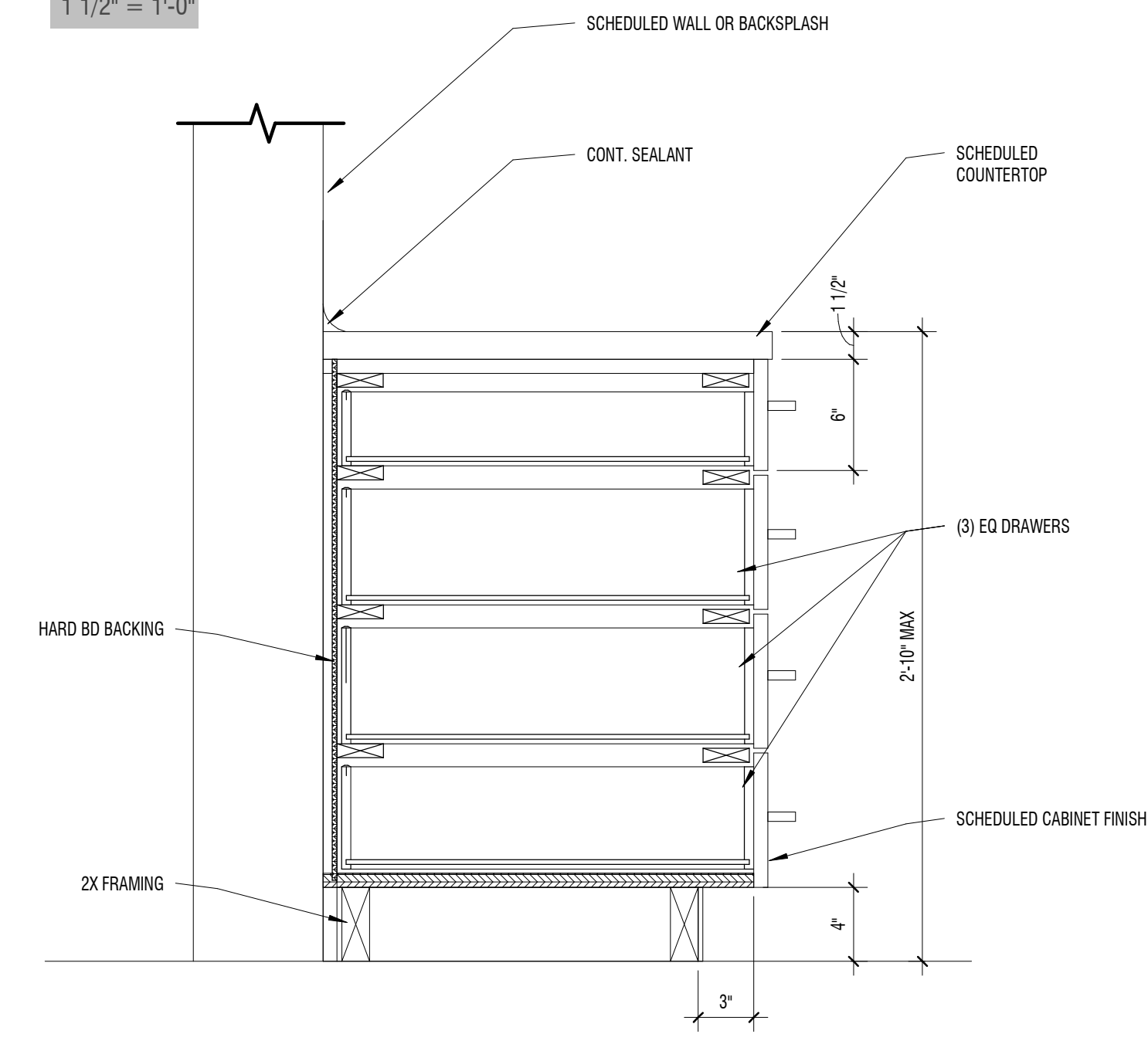
B3 UPPER CABINET

1 1/2" = 1'-0"



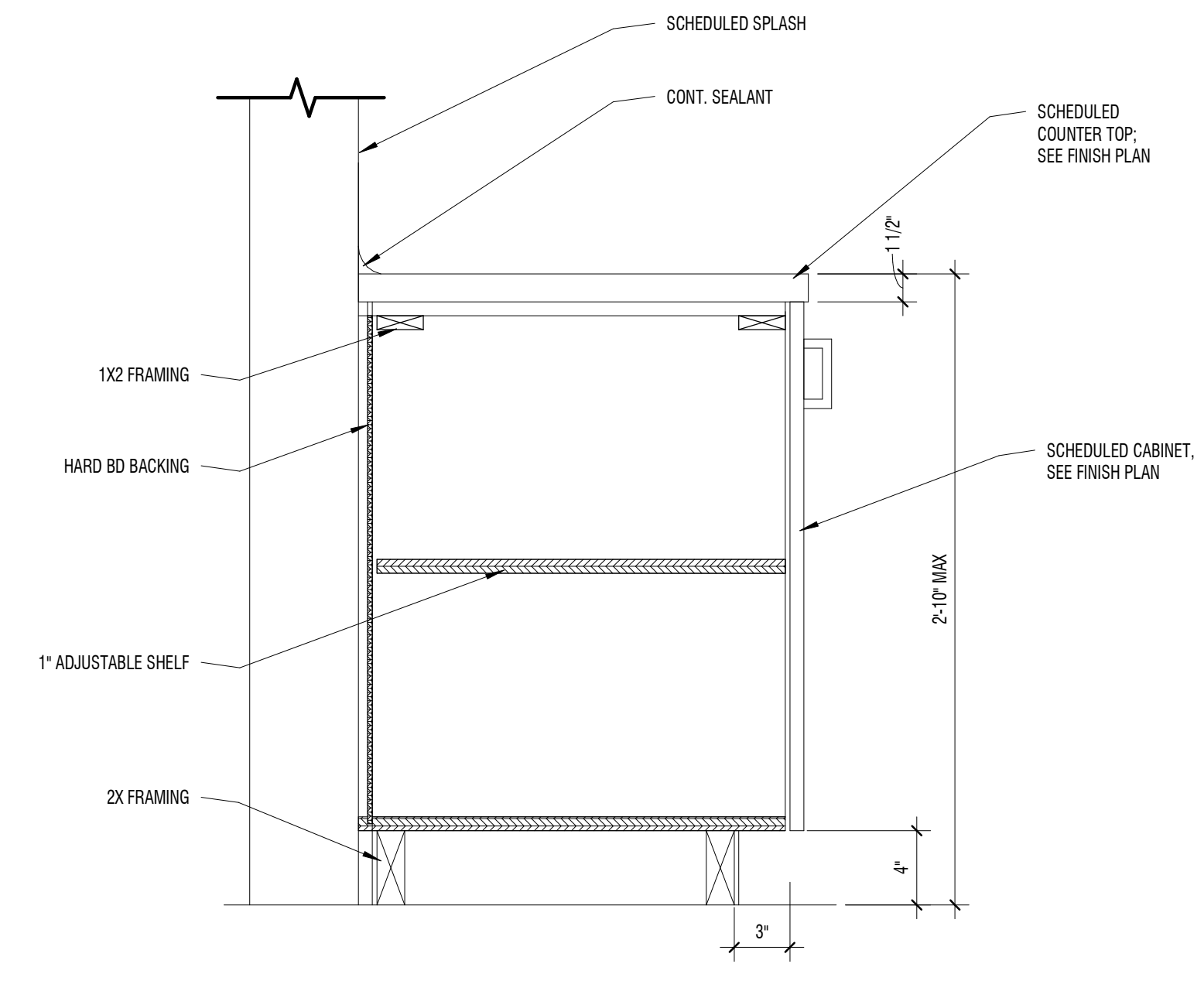
A1 3 DRAWER BASE CABINET

1 1/2" = 1'-0"



A2 4 DRAWER BASE CABINET

1 1/2" = 1'-0"



A3 6" SINGLE DRAWER BASE CABINET

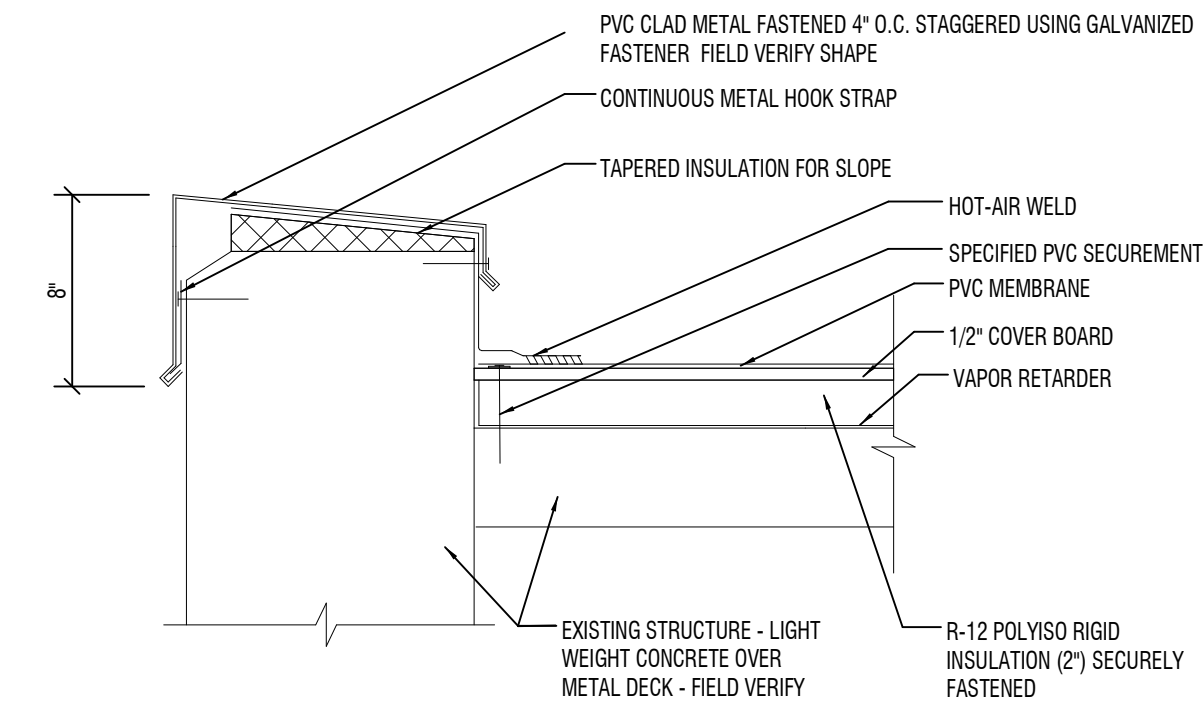
1 1/2" = 1'-0"

4/15/22 12:41:54 PM Autodesk Docs: 821239 - North Logan City - Civic Center 821239.MLC - CIVIC CENTER-821239_V2_Typical.mxd

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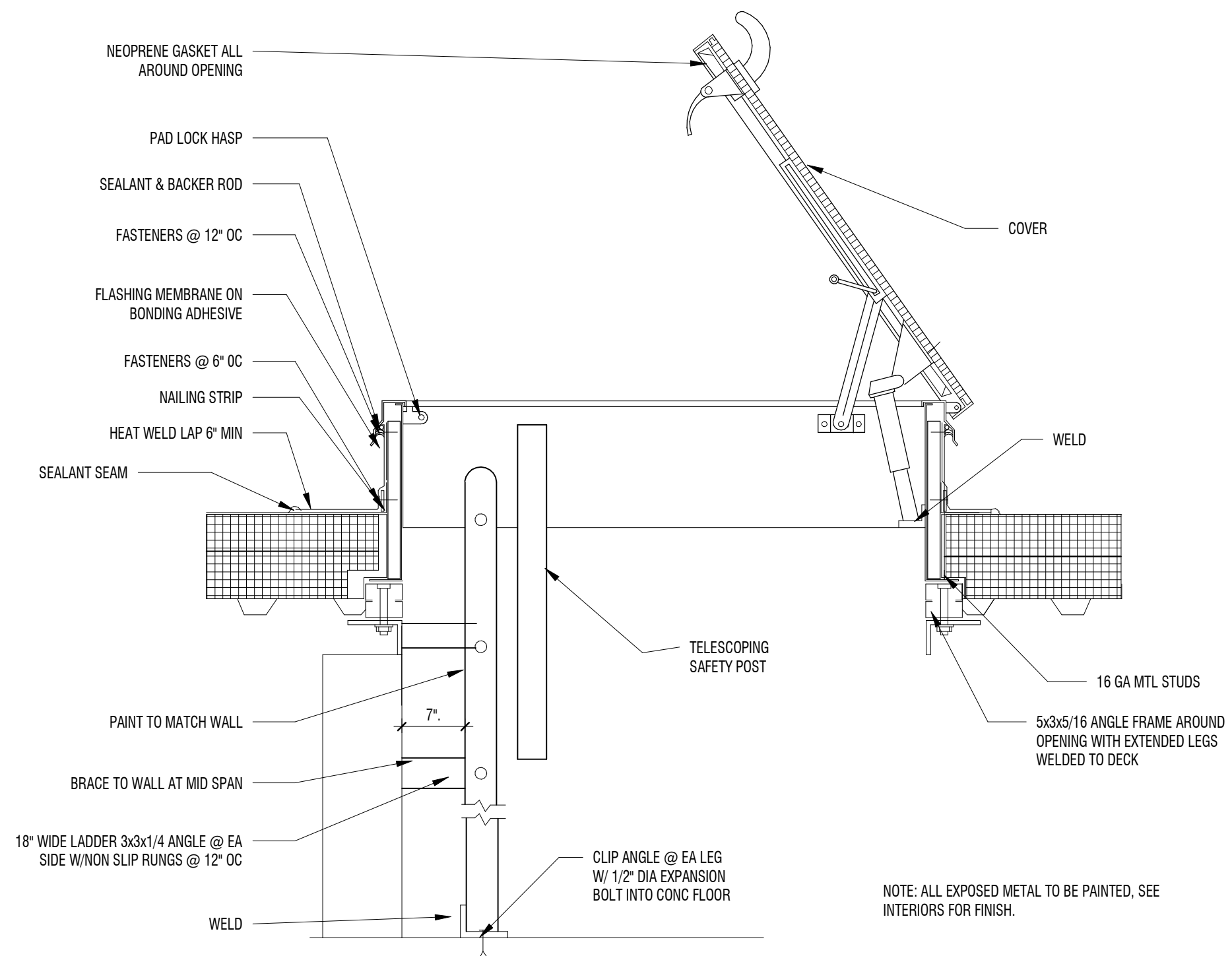
DESCRIPTION:	
DATE:	
MARK:	

PROJECT #: 821239
 DRAWN BY: Author
 CHECKED BY: Checker
 ISSUED: 03.30.2022



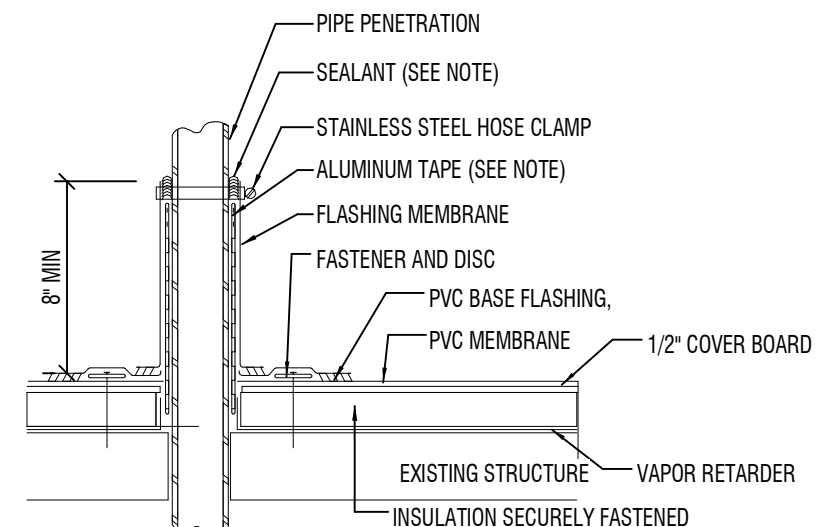
C3 PARAPET CAP

1 1/2" = 1'-0"



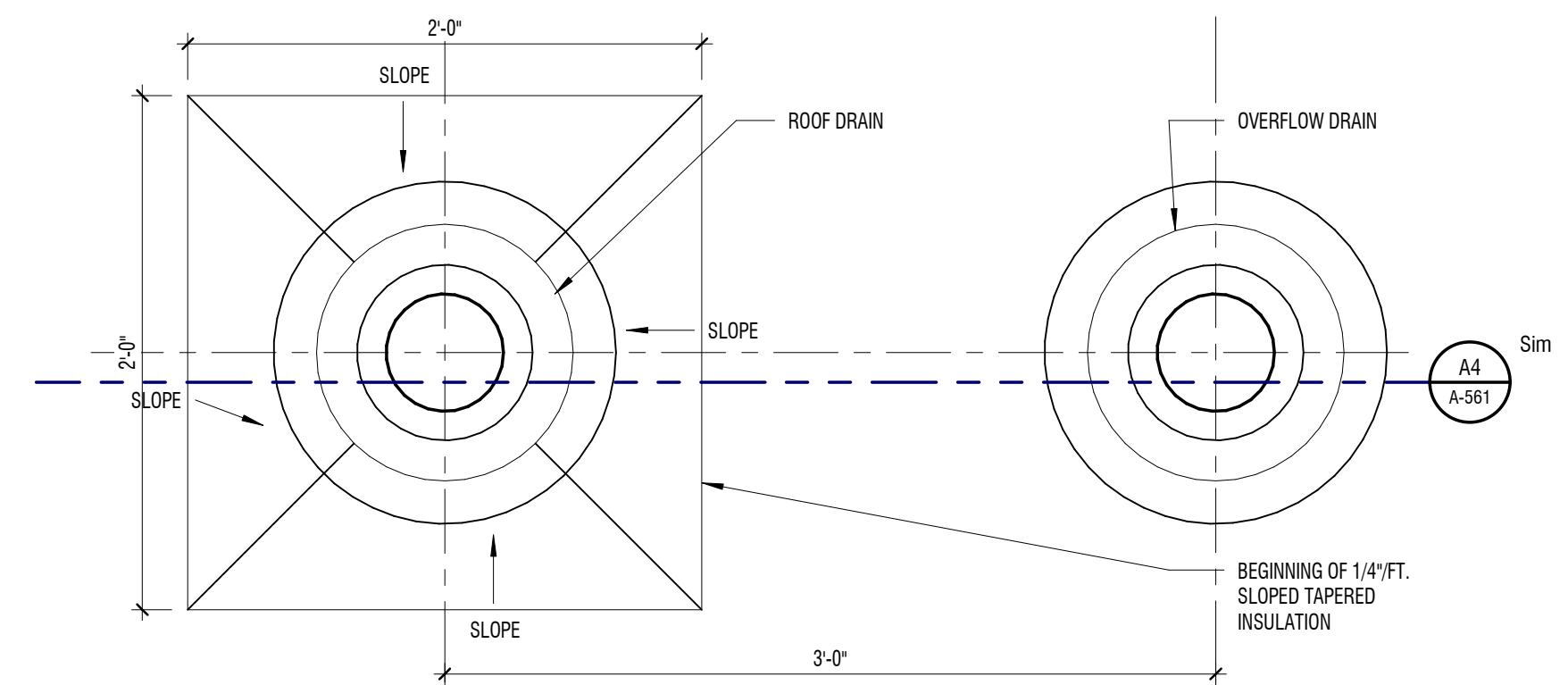
C4 ROOF HATCH

1" = 1'-0"



B3 PIPE PENETRATION

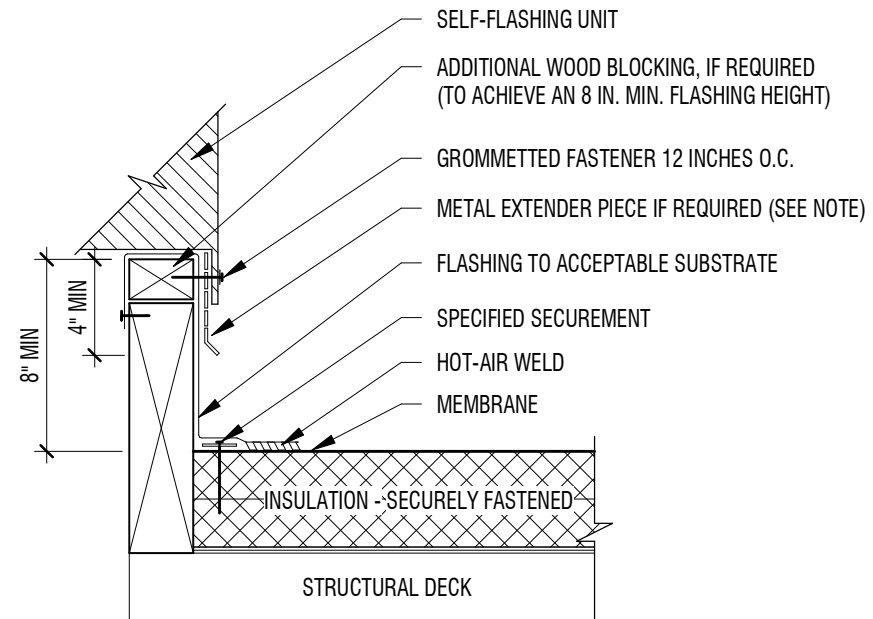
1 1/2" = 1'-0"



B4 ROOF DRAIN

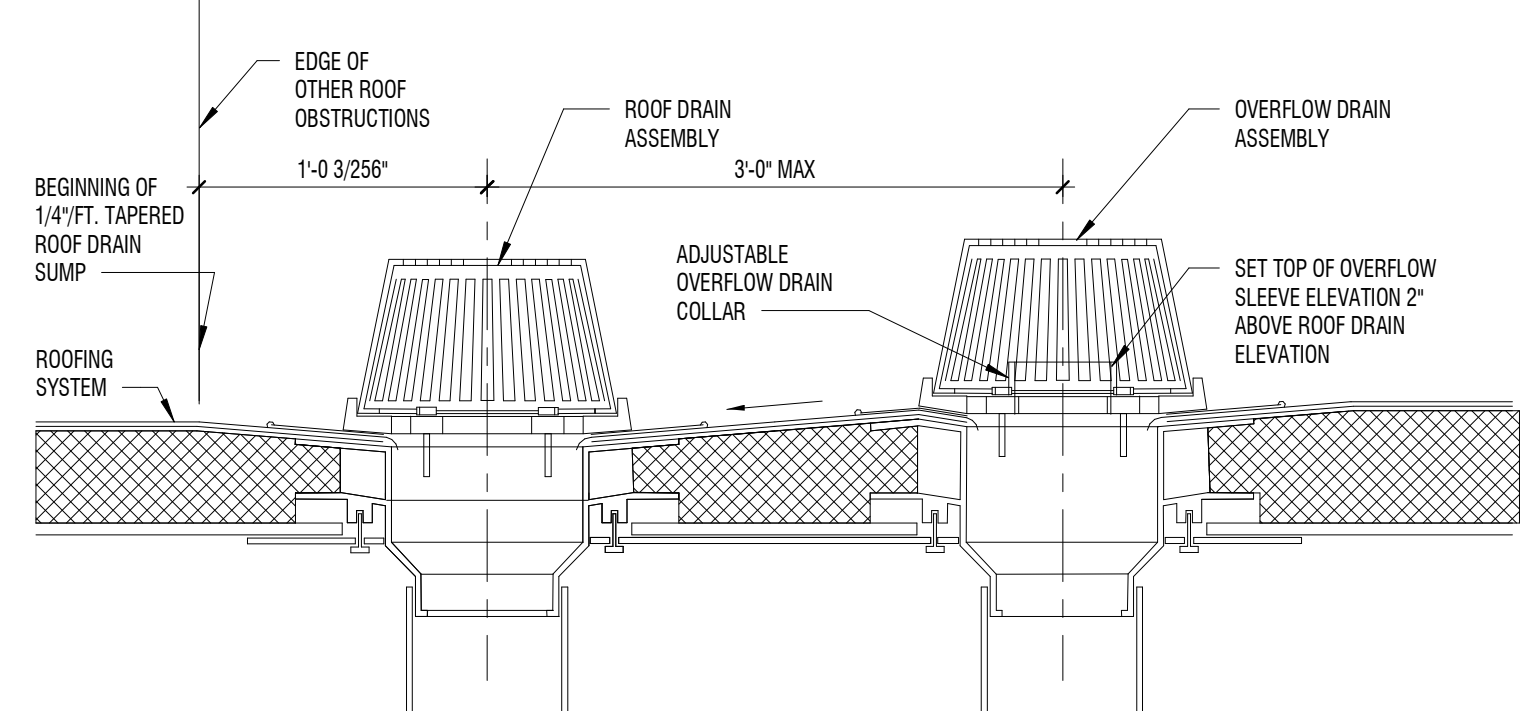
1 1/2" = 1'-0"

NOT TO SCALE - SET VIEW TITLE TO NTS AND THEN DELETE THIS NOTE



A3 MECHANICAL CURB

1 1/2" = 1'-0"



A4 ROOF AND OVERFLOW DRAIN SECTION

1 1/2" = 1'-0"

MARK	DATE	DESCRIPTION

PROJECT #: 821239
 DRAWN BY: Author
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 ISSUED: 03.30.2022

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4/1/2022 12:41:55 PM Autodesk Docs: 8021239 - North Logan City - Civic Center 8021239-A4-CIVIC CENTER-R002_V2_TypicalMark.rvt

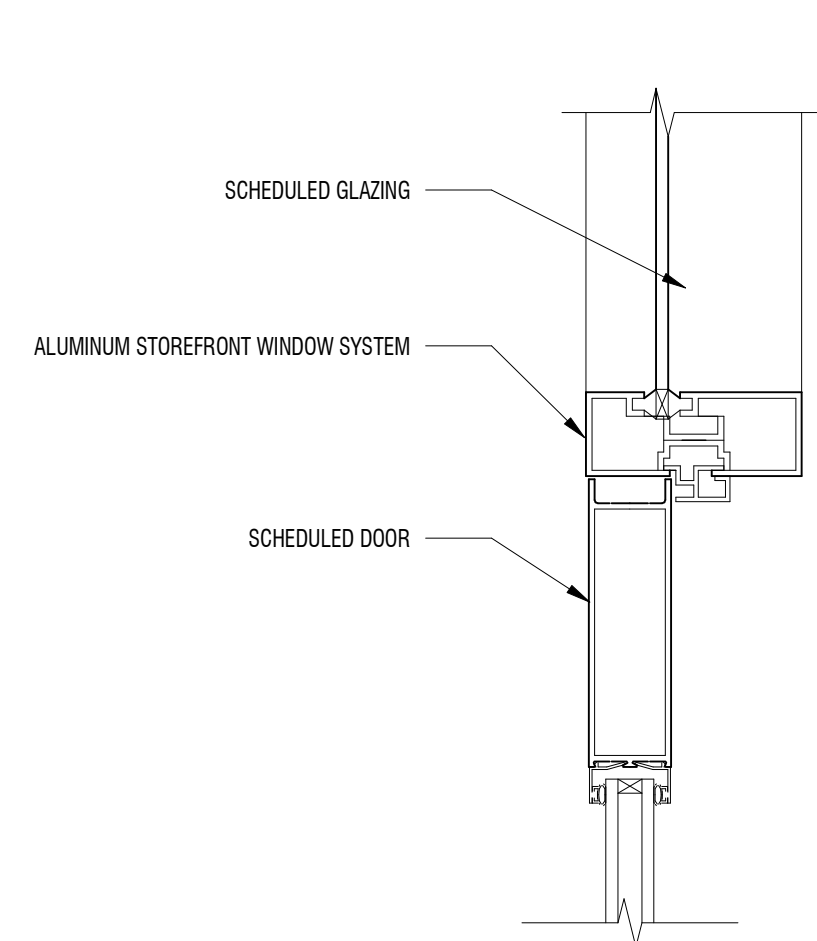
4/10/22 12:41:58 PM Autodesk Docs: 821239 - North Logan City - Civic Center 821239-ALC-CIVIC CENTER-R002_V2_Typical.dwg

D

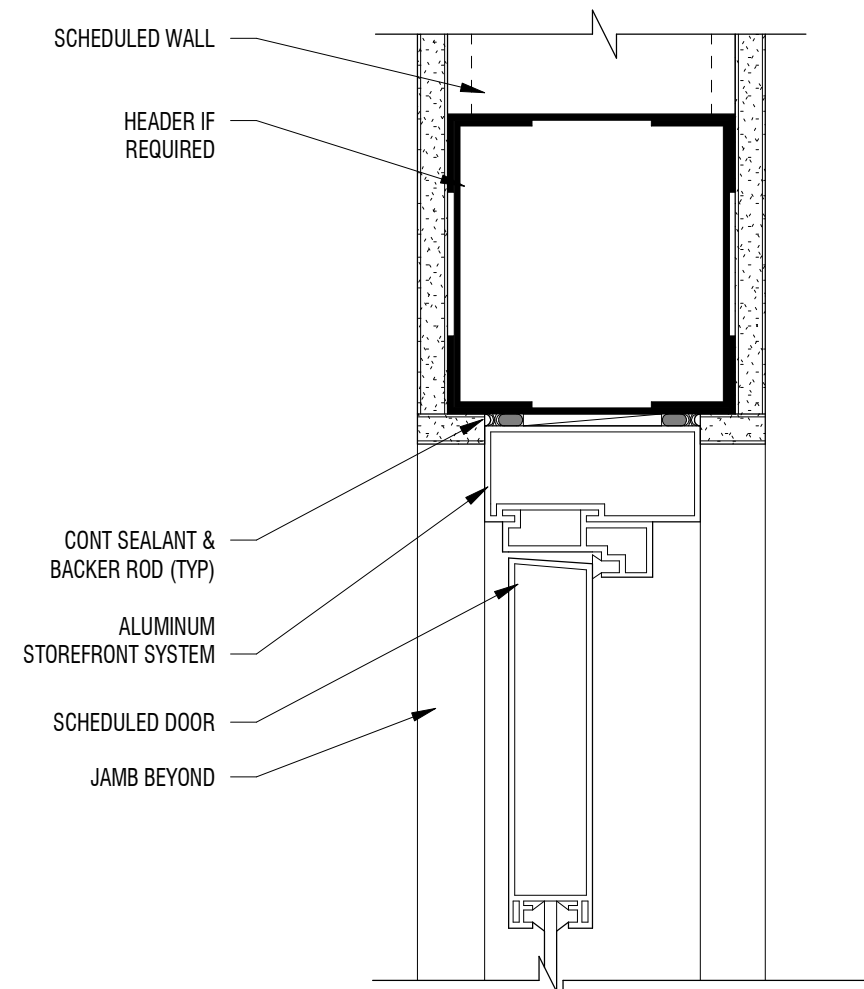
C

B

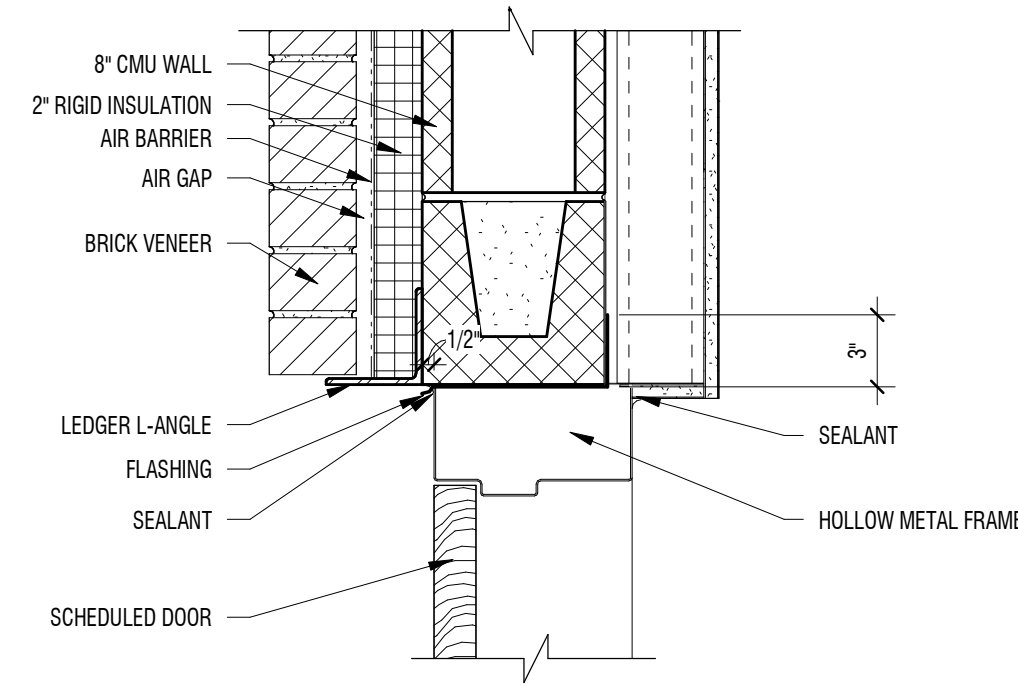
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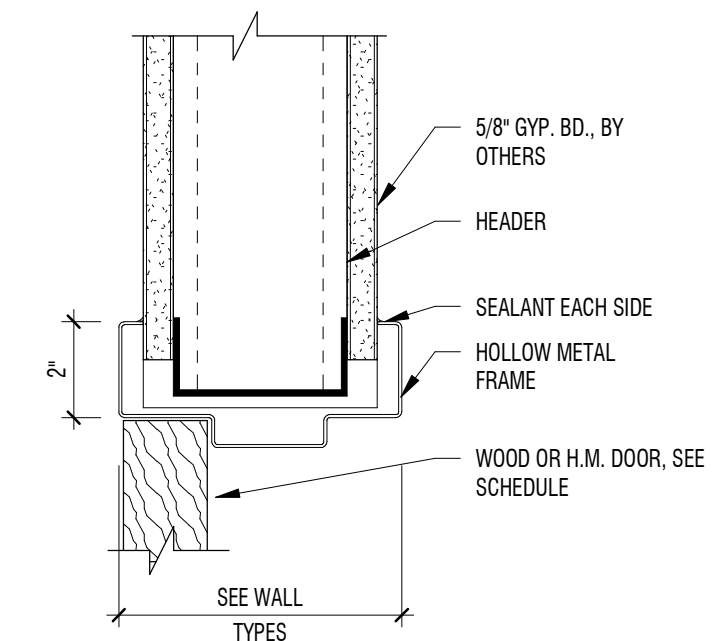
C1 HEAD DETAIL
3" = 1'-0"



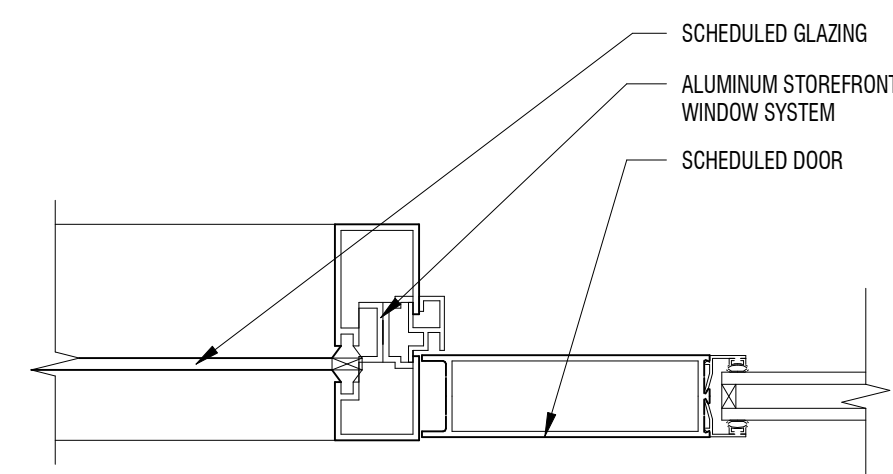
C2 HEAD DETAIL
3" = 1'-0"



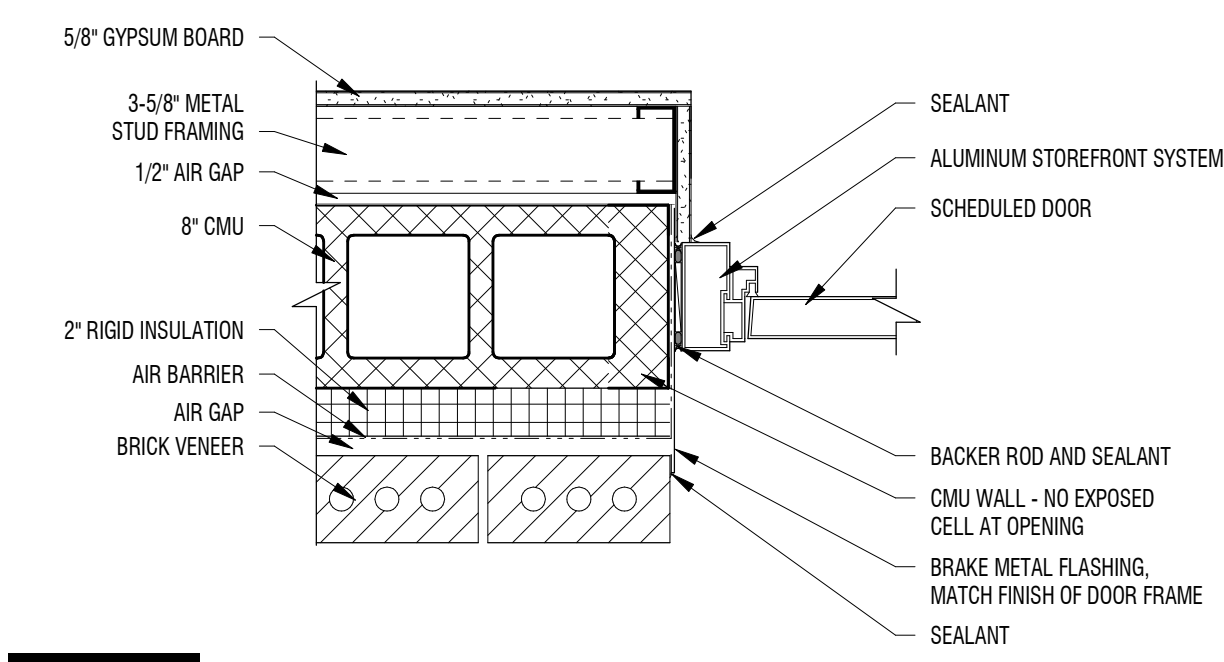
C3 HEAD DETAIL
1 1/2" = 1'-0"



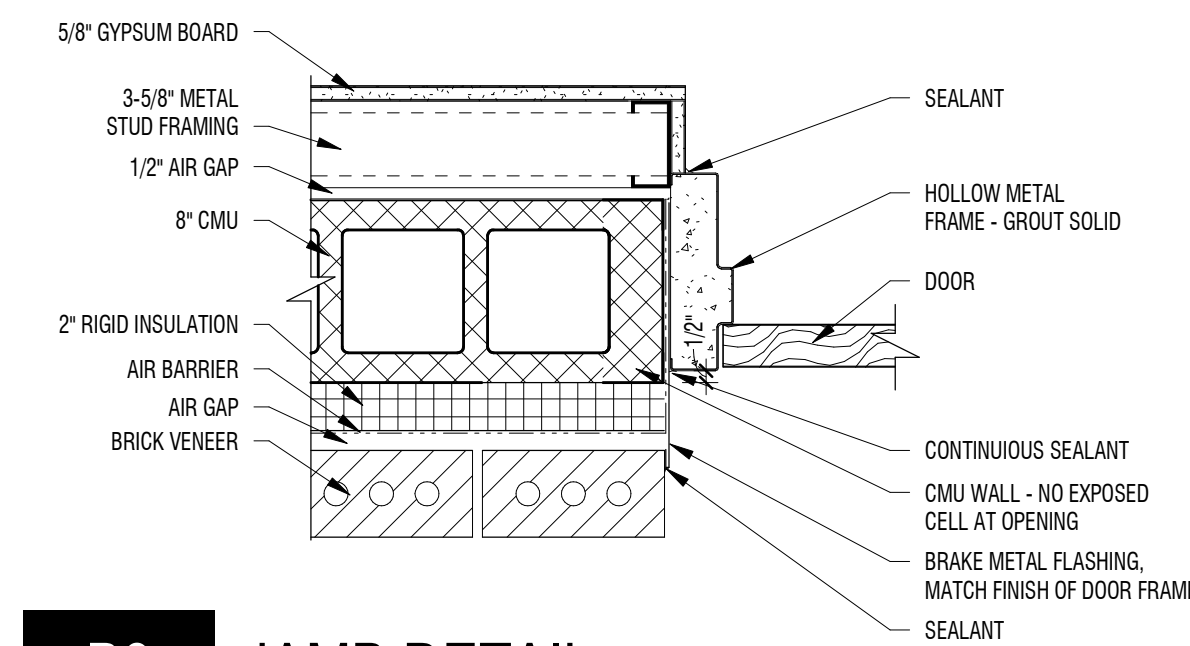
C5 HEAD DETAIL
3" = 1'-0"



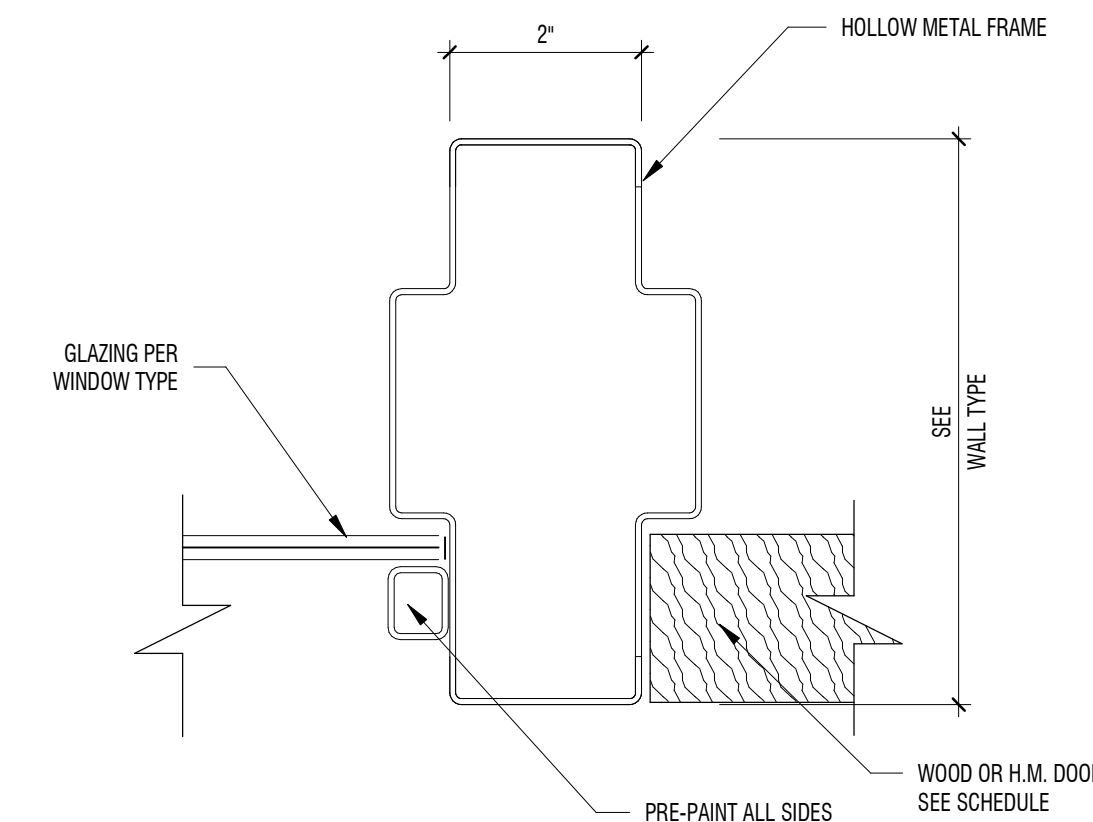
B1 JAMB DETAIL
3" = 1'-0"



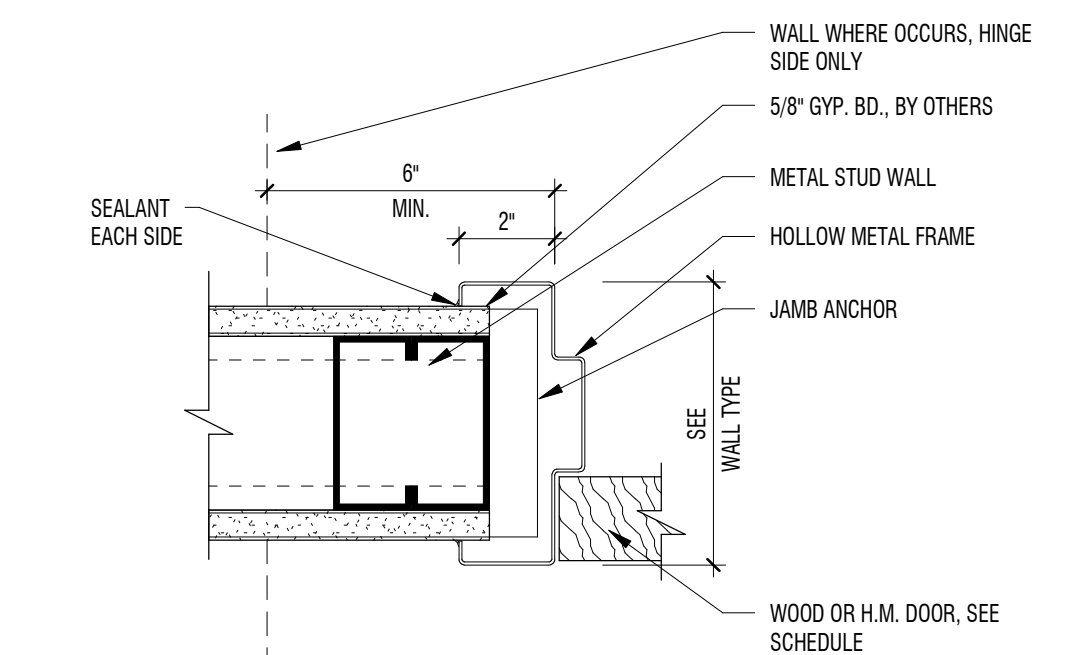
B2 JAMB DETAIL
1 1/2" = 1'-0"



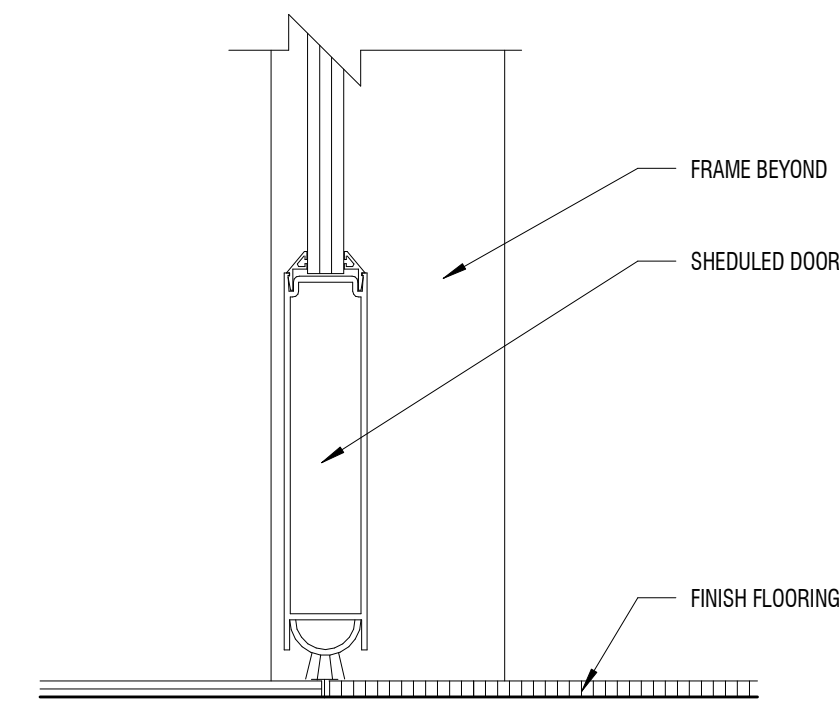
B3 JAMB DETAIL
1 1/2" = 1'-0"



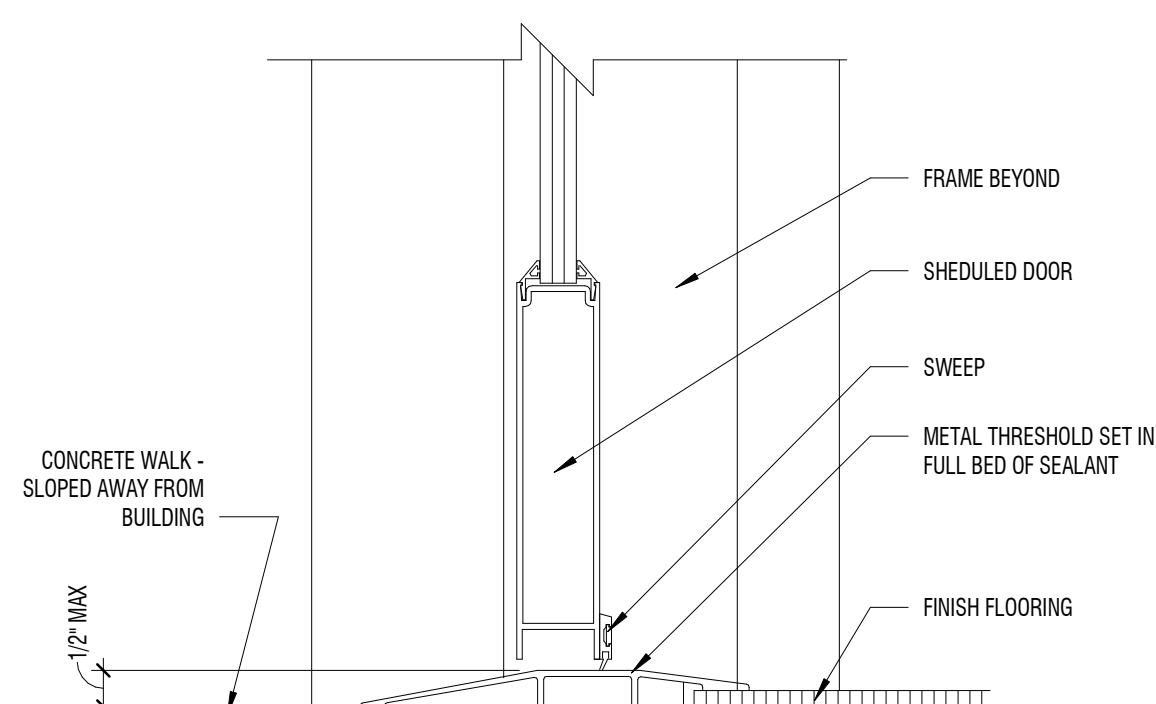
B4 SIDELIGHT JAMB
6" = 1'-0"



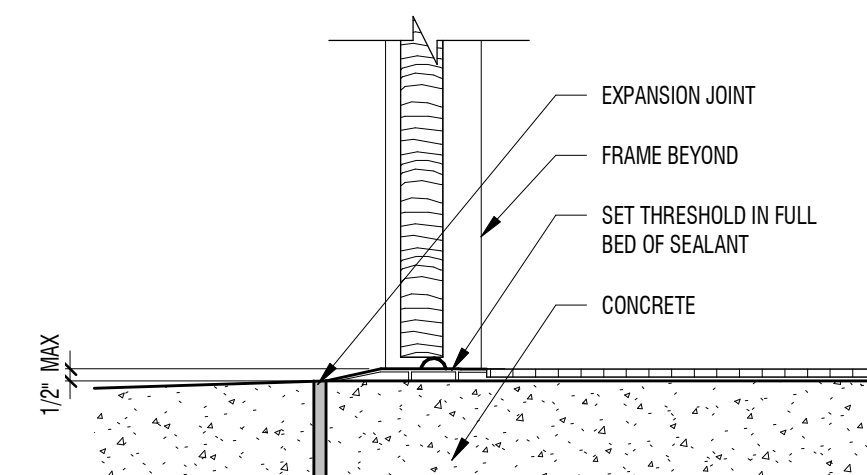
B5 JAMB DETAIL
3" = 1'-0"



A1 THRESHOLD
3" = 1'-0"



A2 THRESHOLD
3" = 1'-0"



A3 THRESHOLD
1 1/2" = 1'-0"

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MARK	DATE	DESCRIPTION

PROJECT #: 821239
DRAWN BY: NIELSON
CHECKED BY: ZETTERQUIST
ISSUED: 03.30.2022

4/1/2022 12:41:57 PM Autodesk Docs\821239 - North Logan City - Civic Center\821239-ALC-CIVIC CENTER\8202_V2_Typical.dwg

A

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D

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4

5

WINDOW GENERAL NOTES

1. PROVIDE SEALANT AT JOINTS AT DISSIMILAR MATERIAL CONNECTIONS. ISOLATE DISSIMILAR METALS.
2. ALL DIMENSIONS FOR DOOR AND WINDOW OPENINGS TO BE FIELD VERIFIED PRIOR TO MANUFACTURING AND INSTALLATION.
3. ALL WINDOWS AND TRANSOMS THAT OCCUR IN RATED CORRIDOR WALL TO BE RATED 45 MIN.
4. FIELD VERIFY ALL OPENINGS PRIOR TO FABRICATION OF FRAMES.
5. PRE-PAINT ALL FRAMES PRIOR TO INSTALLATION.
6. BRAILLE SIGNAGE REQUIRED ON STRIKE SIDE OF FRAME.

NOT FOR CONSTRUCTION

WINDOW FRAME TYPES

A-572

PROJECT #: 821239
 DRAWN BY: Author
 CHECKED BY: Checker
 ISSUED: 03.30.2022

MARK	DATE	DESCRIPTION

NORTH LOGAN CITY - CIVIC CENTER
 APPROXIMATELY 2515 N 600 E
 NORTH LOGAN, UT
 NORTH LOGAN CITY

design west | architects
 255 SOUTH 300 WEST
 795 NORTH 400 WEST
 LOGAN, UT 84321
 SALT LAKE CITY, UT 84103

NORTH LOGAN CITY - CIVIC CENTER
 APPROXIMATELY 2515 N 600 E
 NORTH LOGAN, UT
 NORTH LOGAN CITY

DESCRIPTION:	
DATE:	
MARK:	

PROJECT #: 821239
 DRAWN BY: NELSON
 CHECKED BY: ZETTERQUIST
 ISSUED: 03.30.2022

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WINDOW FRAME TYPE DETAILS

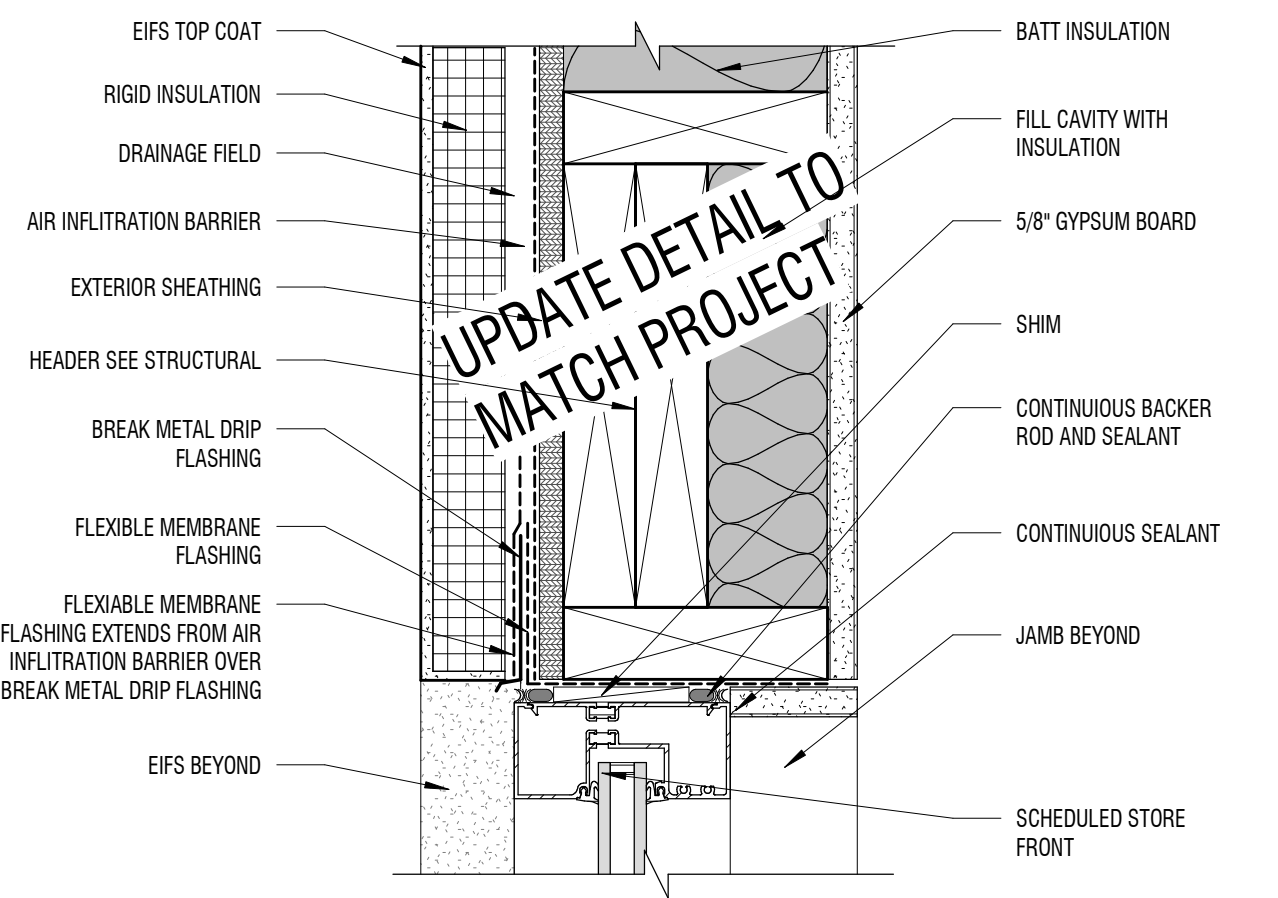
A-573

D

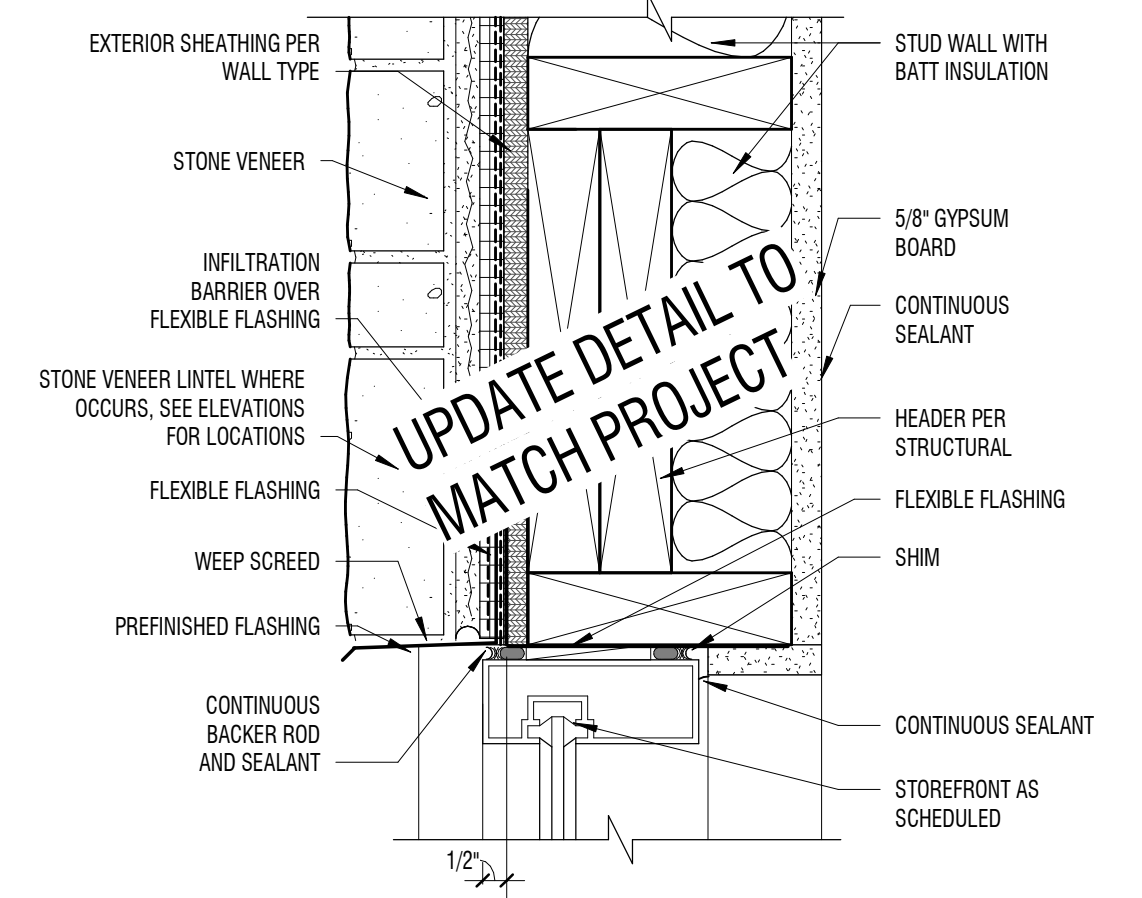
C

B

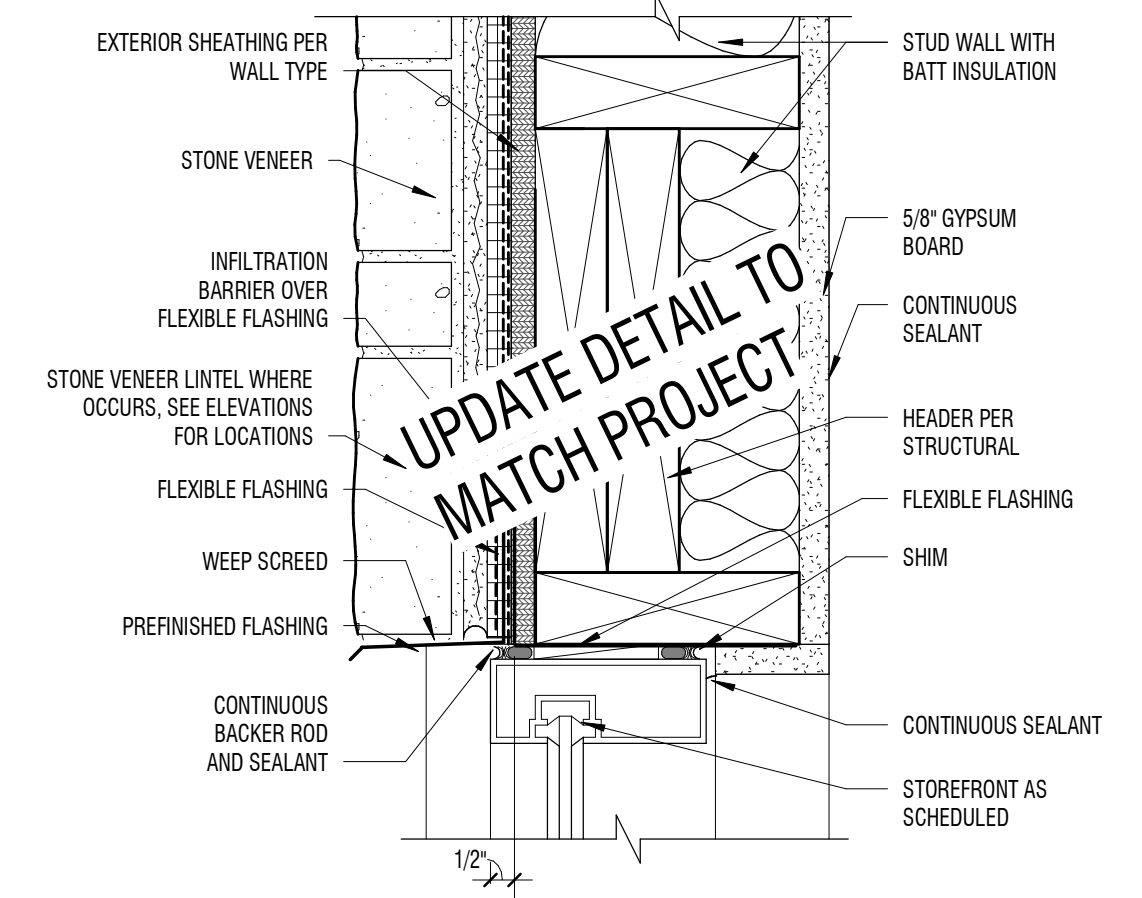
A



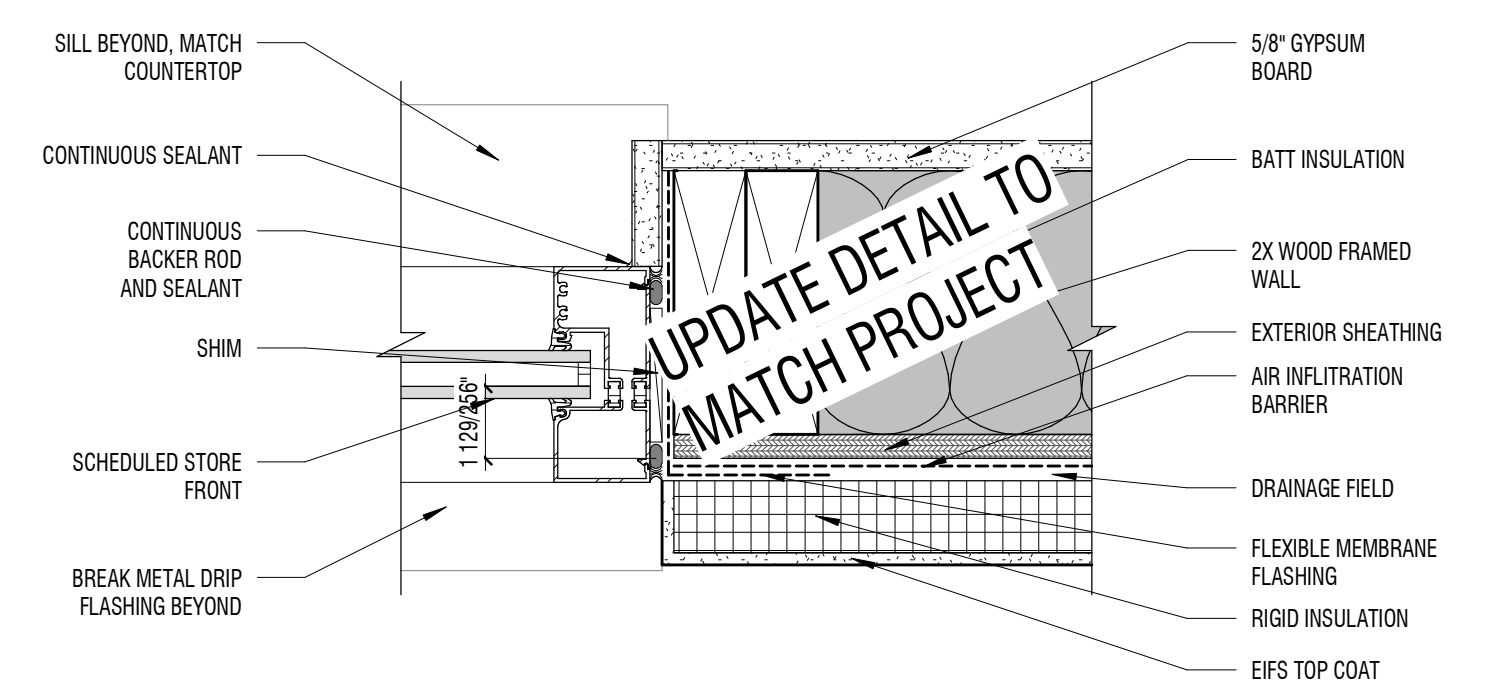
C1 EIFS HEAD
 3" = 1'-0"



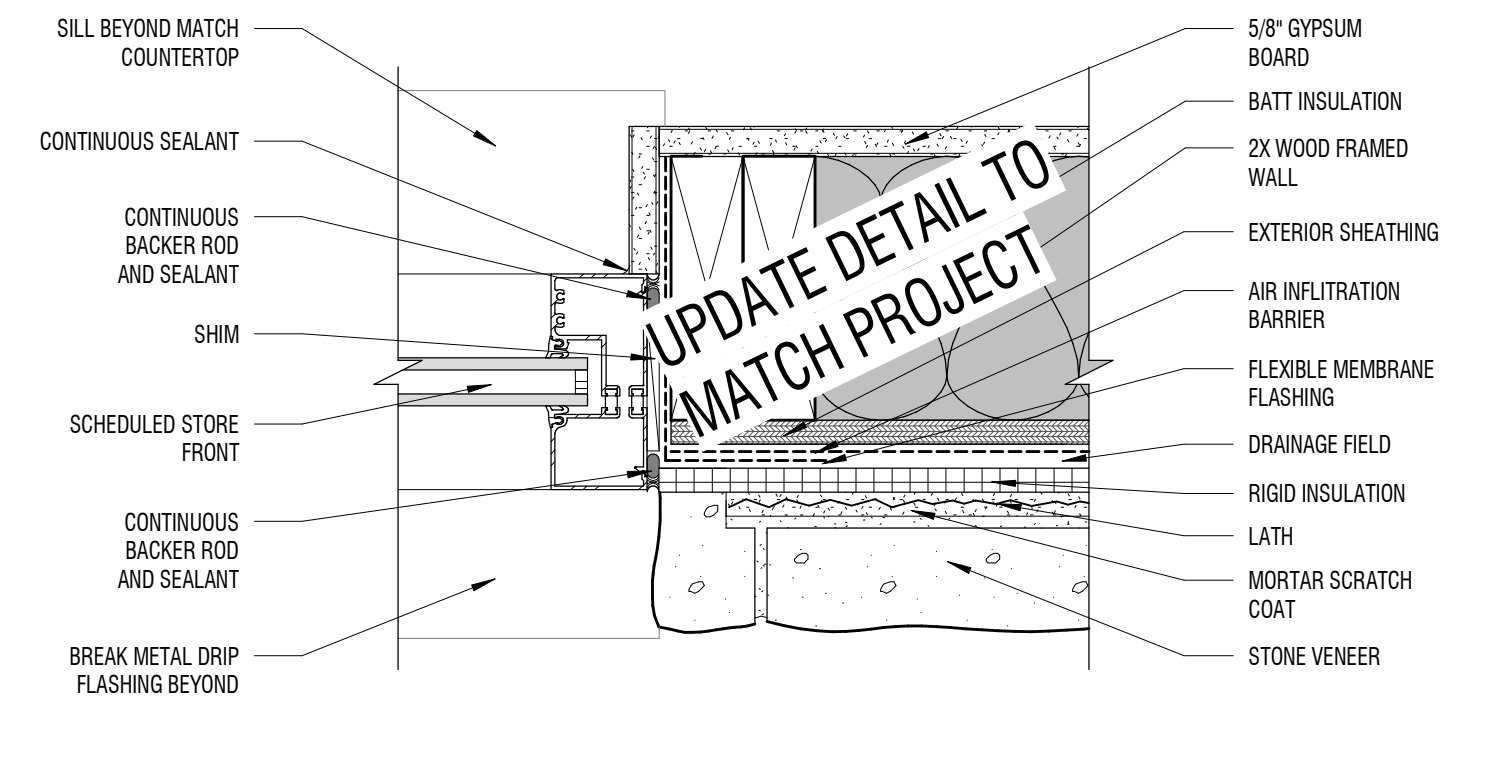
C2 BRICK HEAD
 3" = 1'-0"



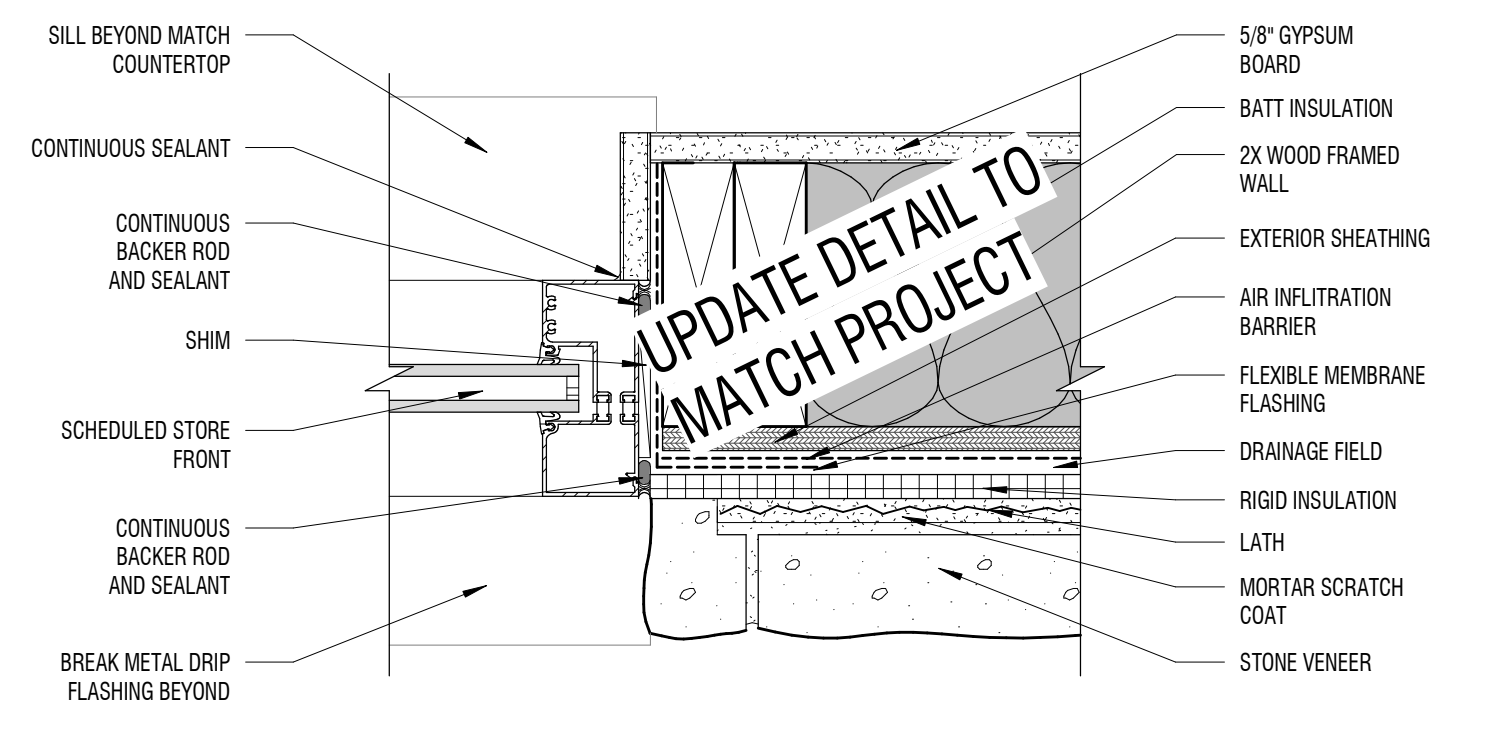
C3 STONE HEAD
 3" = 1'-0"



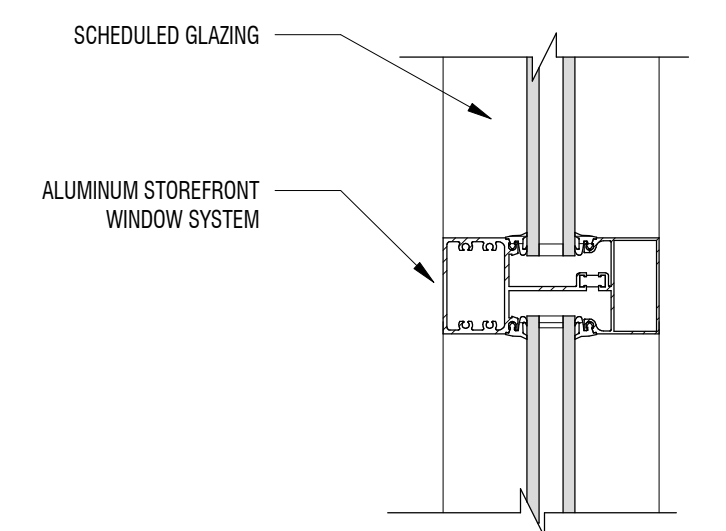
B1 EIFS JAMB
 3" = 1'-0"



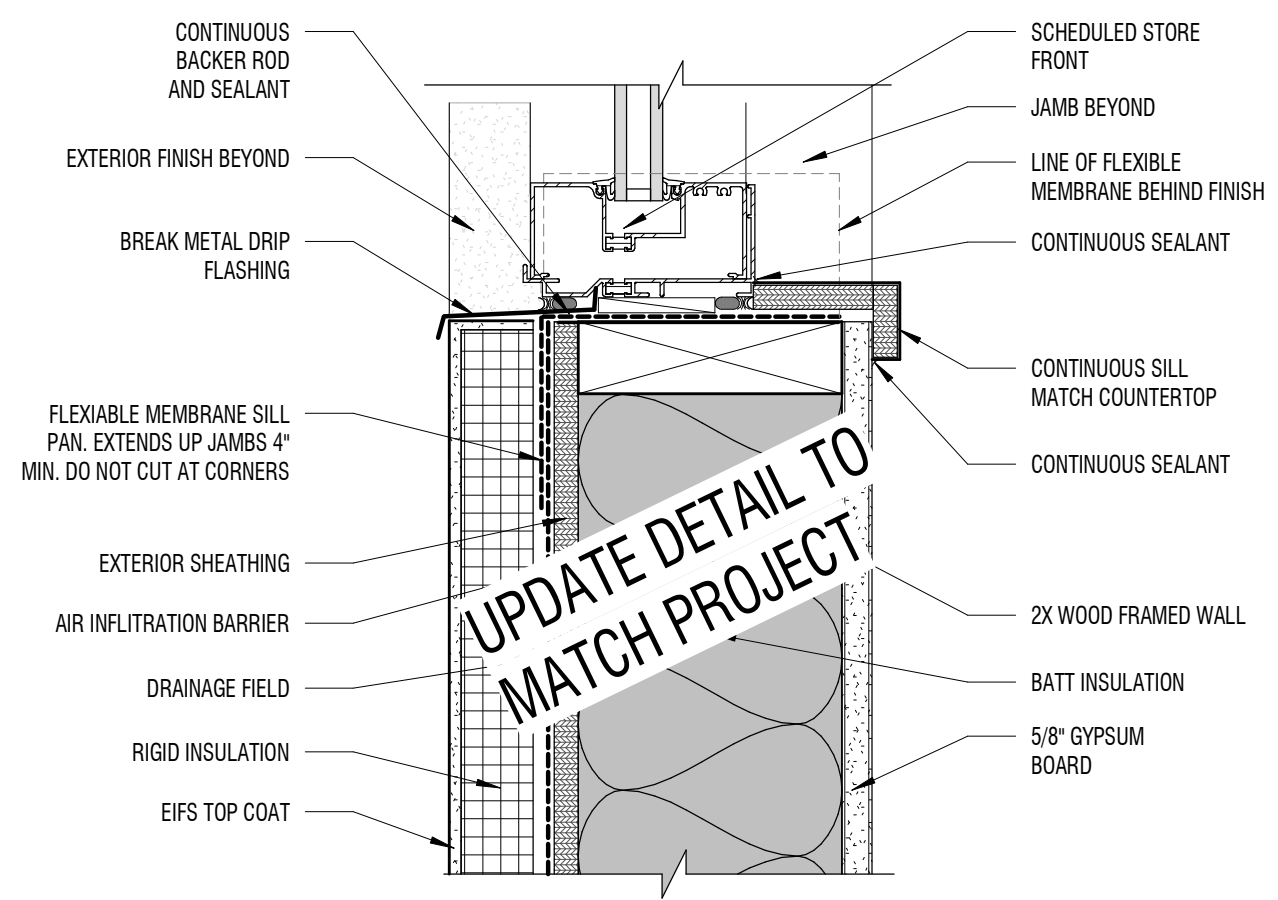
B2 BRICK JAMB
 3" = 1'-0"



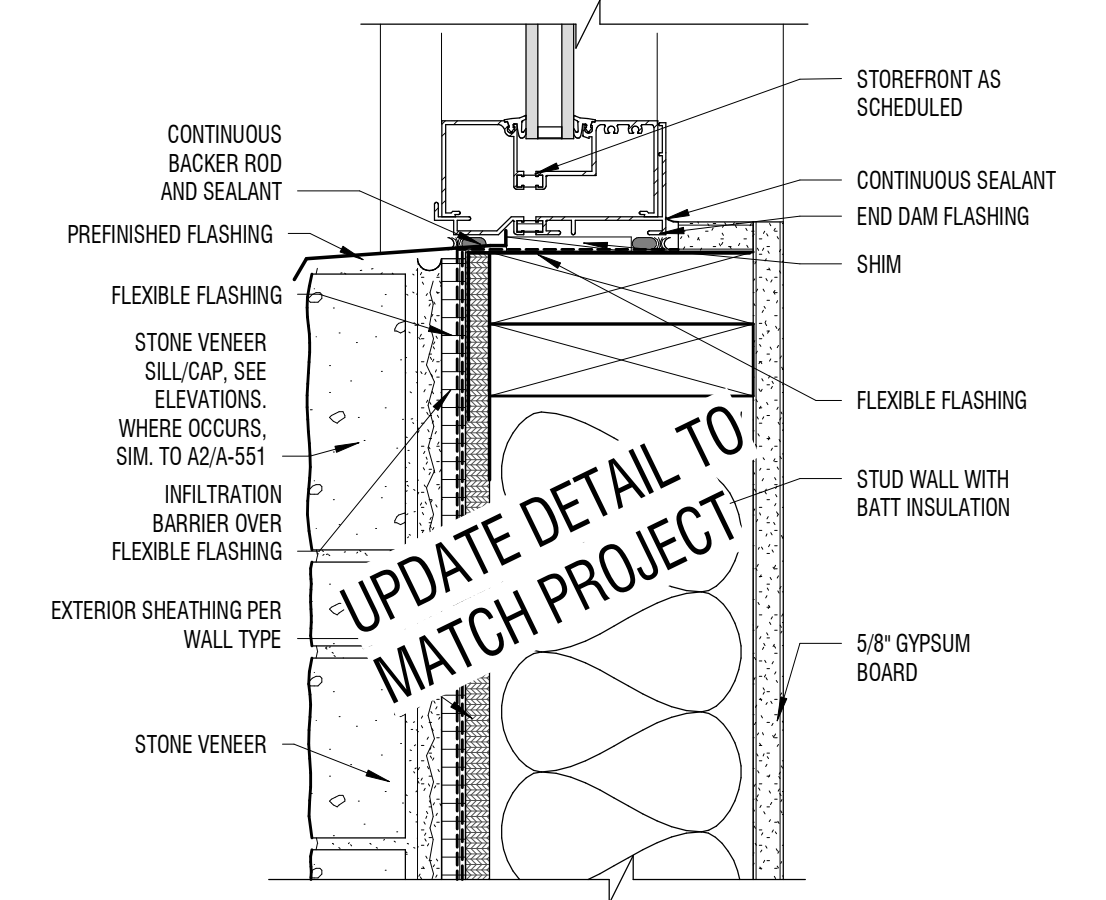
B3 STONE JAMB
 3" = 1'-0"



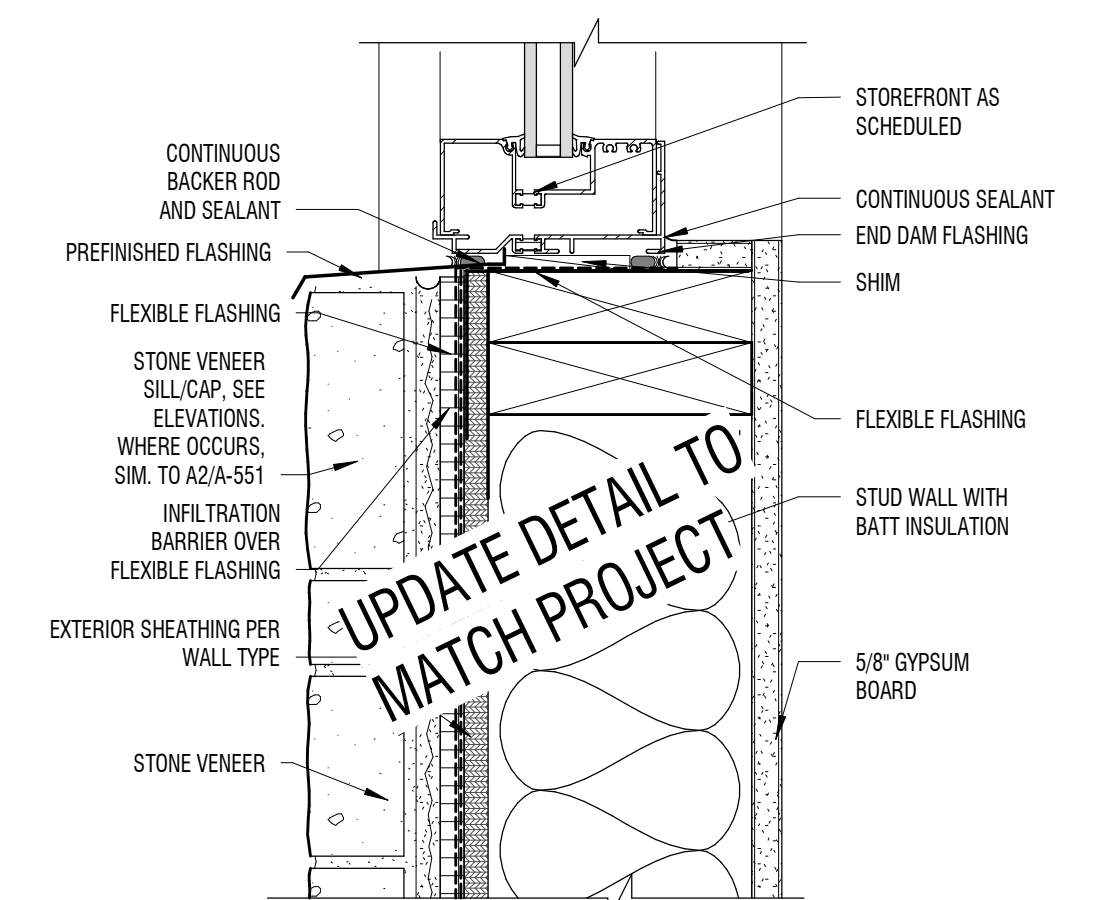
B5 MULLION
 3" = 1'-0"



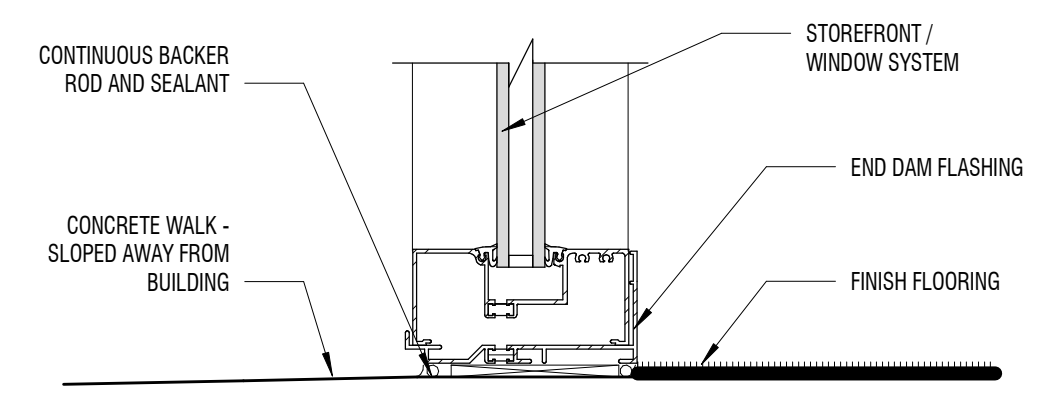
A1 EIFS SILL
 3" = 1'-0"



A2 BRICK SILL
 3" = 1'-0"



A4 STONE SILL
 3" = 1'-0"



A5 SILL
 3" = 1'-0"

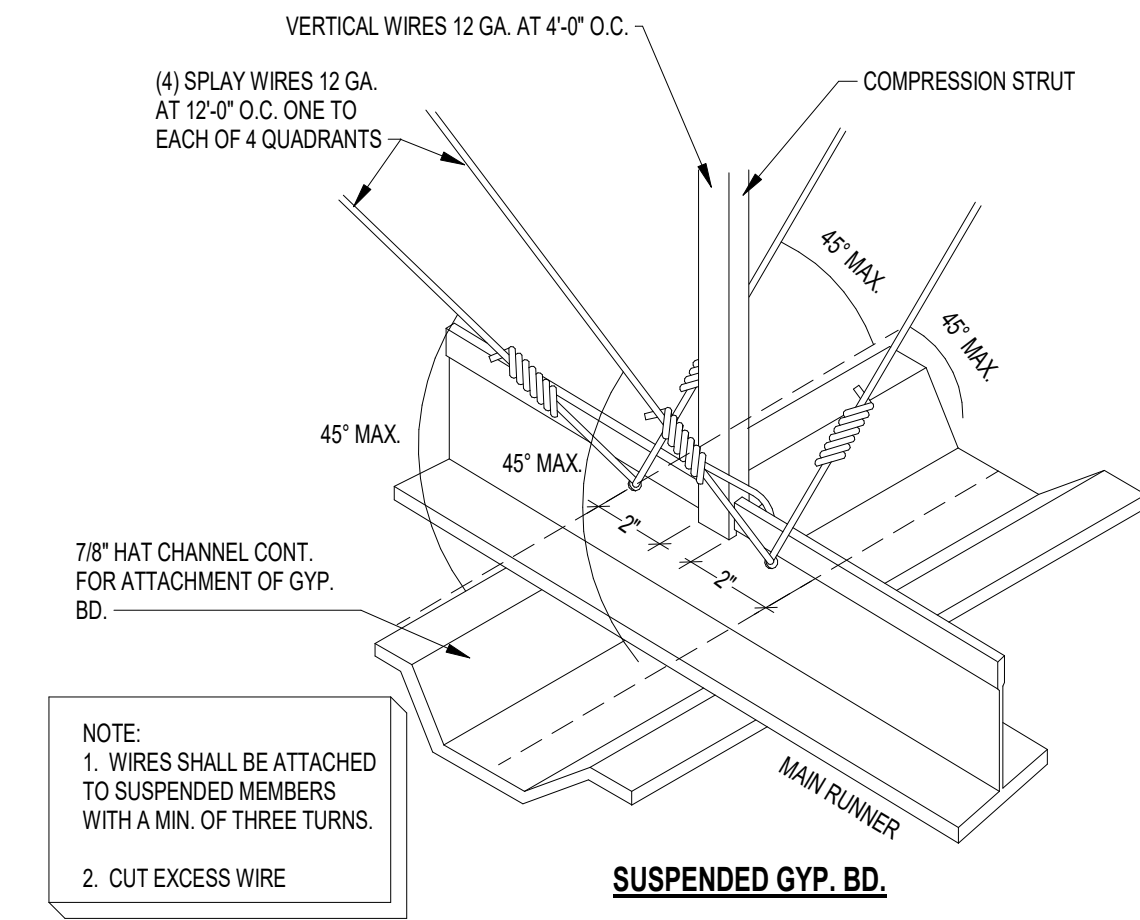
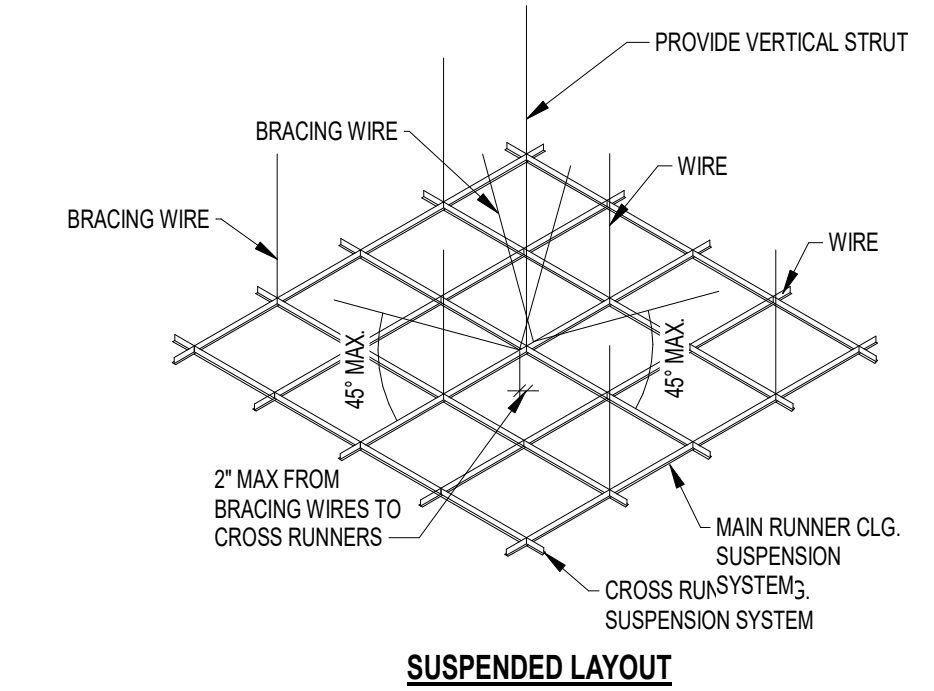
4/1/2022 12:41:58 PM AutodeskDWG2DPlotter - North Logan City - Civic Center-8022_V2_Typical.dwg

DESCRIPTION:	
DATE:	
MARK:	
PROJECT #:	821239
DRAWN BY:	NIELSON
CHECKED BY:	ZETTERQUIST
ISSUED:	03.30.2022

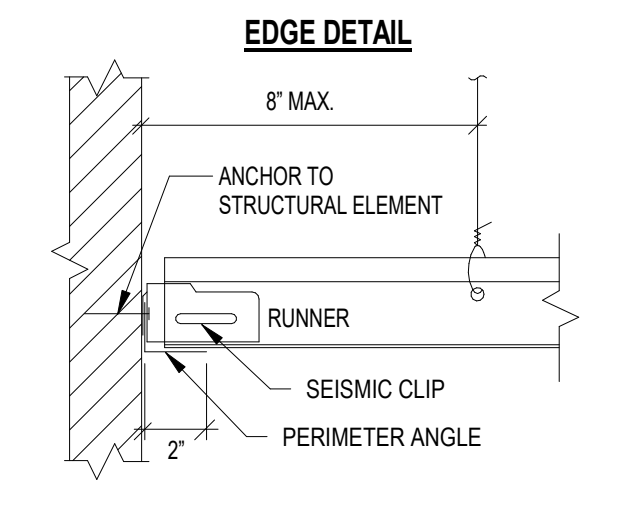
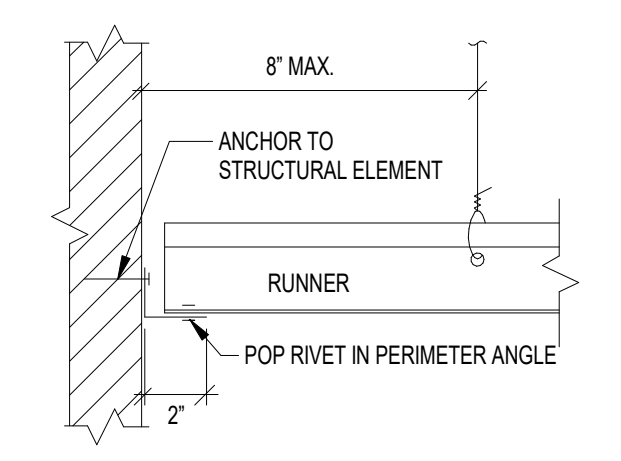
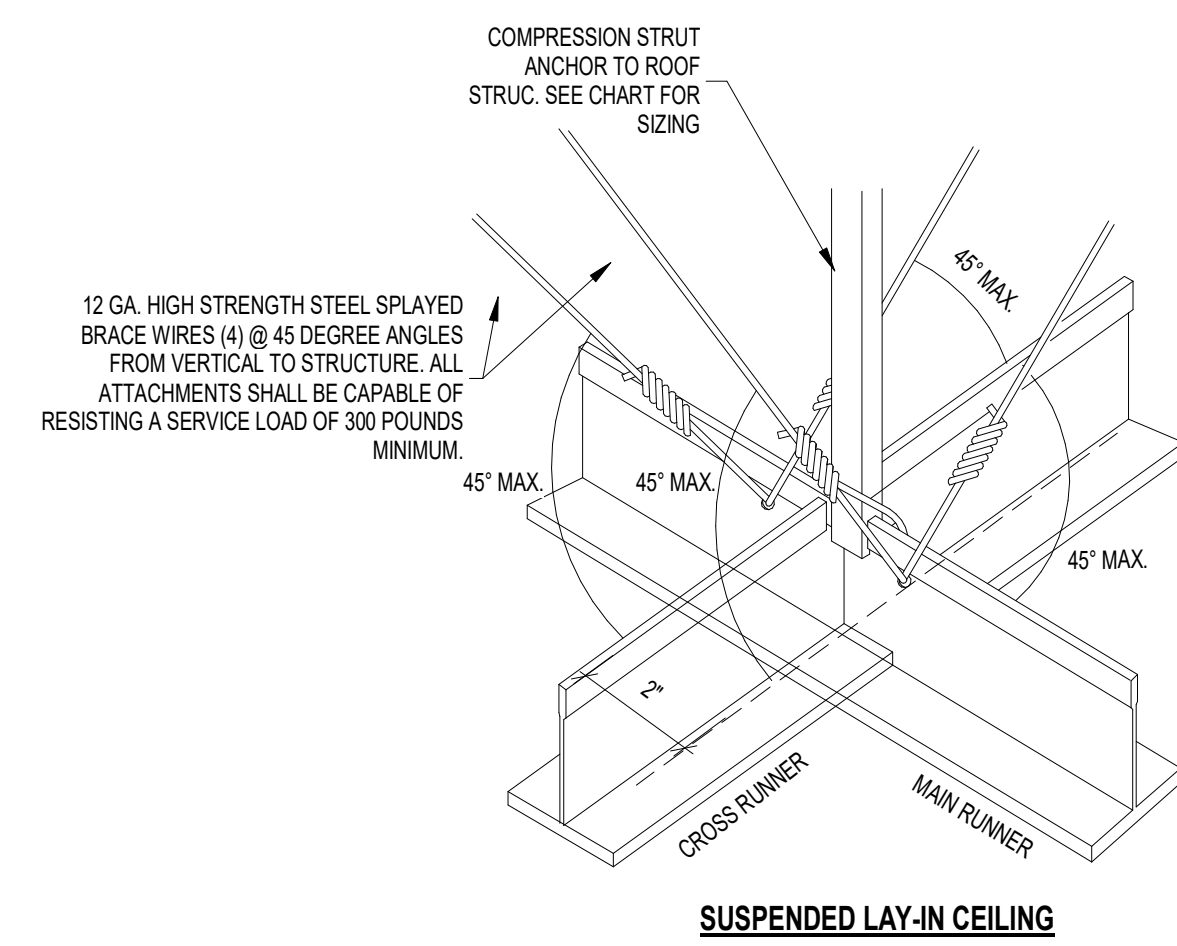
PROJECT #: 821239
 DRAWN BY: NIELSON
 CHECKED BY: ZETTERQUIST
 ISSUED: 03.30.2022

NOT FOR CONSTRUCTION

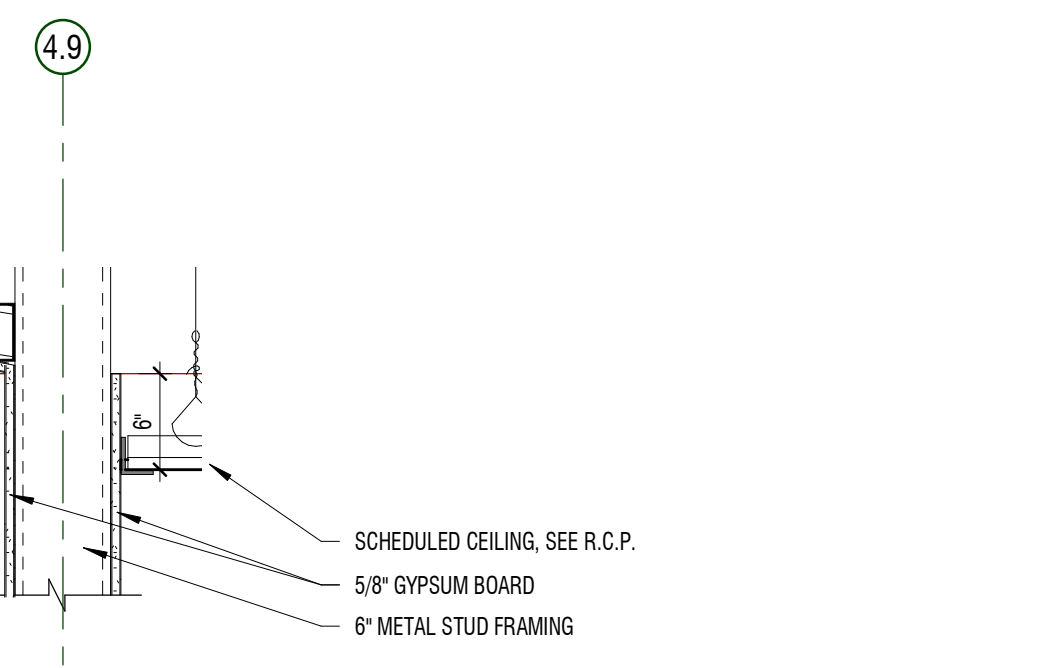
NOTE:
 1. T-BAR SYSTEM TO BE HEAVY DUTY
 2. SPACER BARS ARE REQUIRED AT PERIMETERS
 3. SEISMIC JOINTS BE PROVIDED SUCH THAT NO SINGLE CEILING AREA IS LARGER THAN 2,500 SQUARE FEET
 4. GYPSUM CEILING SYSTEM SPACING - MAIN RUNNERS @ 4'-0" O.C. FURRING CHANNELS @ 16" O.C. PERP. TO RUNNERS. ACCEPTABLE ATTACHMENT FOR ACOUSTICAL CEILING GRID & GYPSUM CEILING SUSP. SYSTEM.



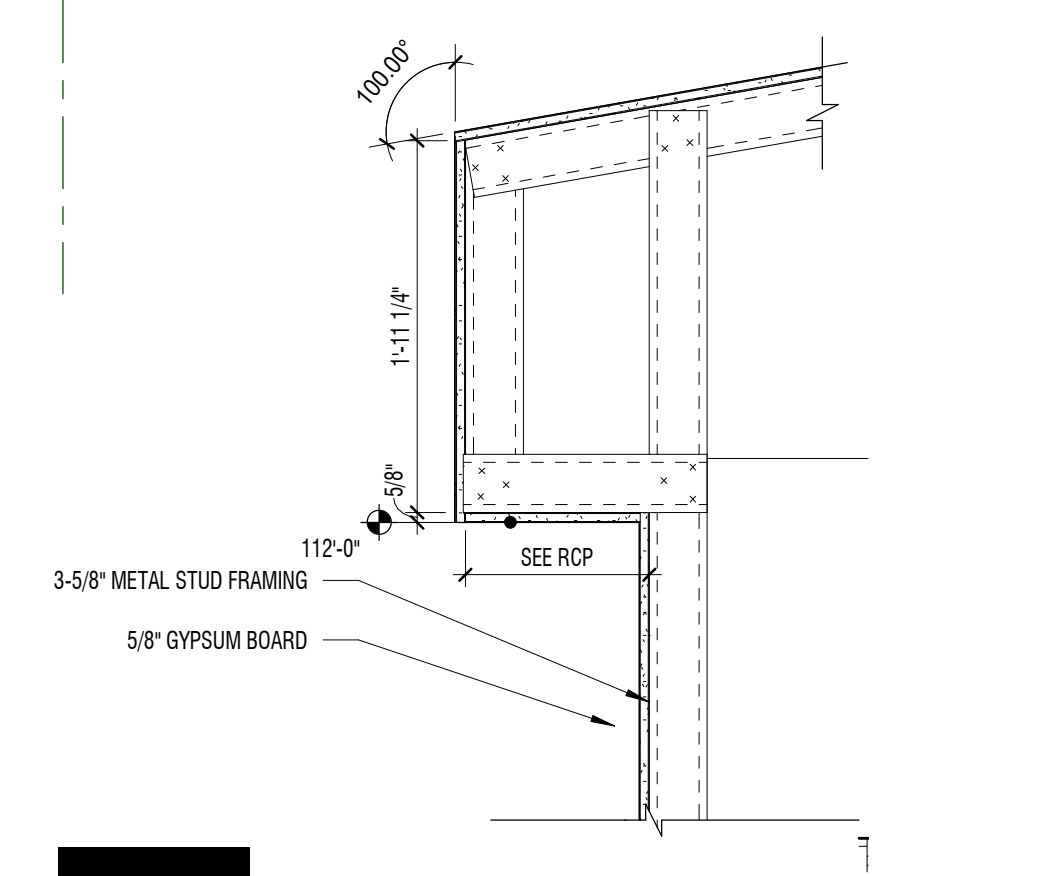
NOTE:
 1. WIRES SHALL BE ATTACHED TO SUSPENDED MEMBERS WITH A MIN. OF THREE TURNS.
 2. CUT EXCESS WIRE



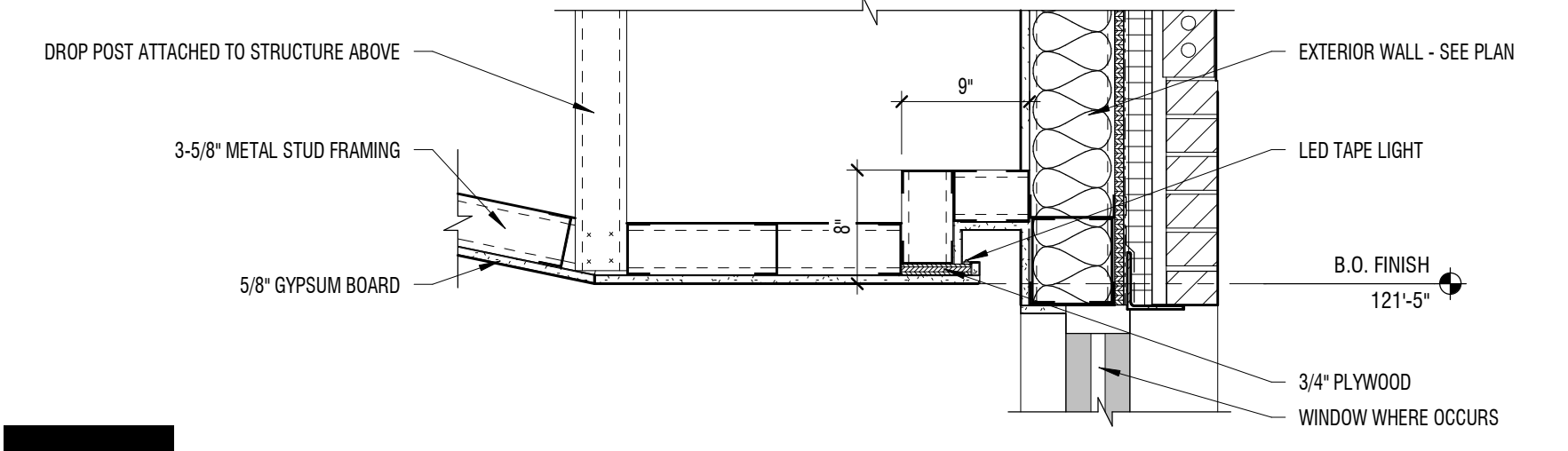
A5 SUSPENDED DETAILS
 1/4" = 1'-0"



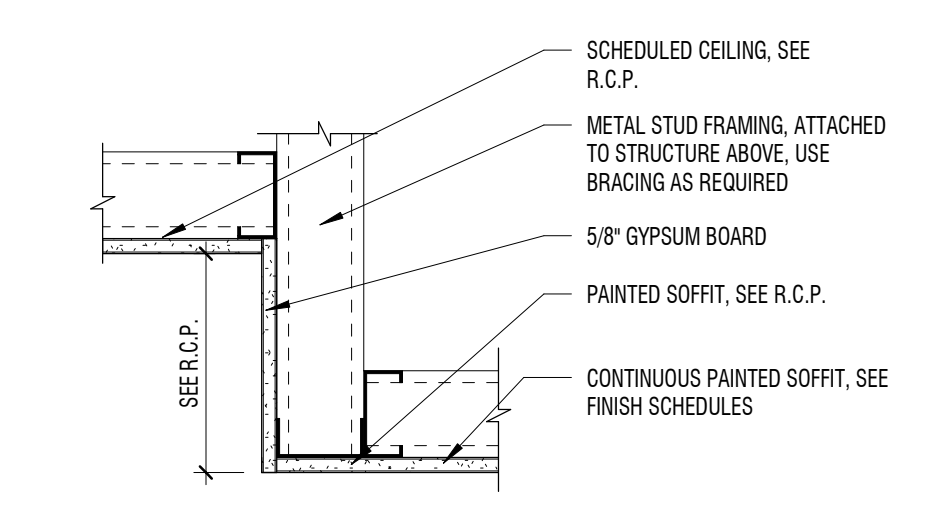
D2 CEILING DETAIL
 1" = 1'-0" @ OPEN OFFICE



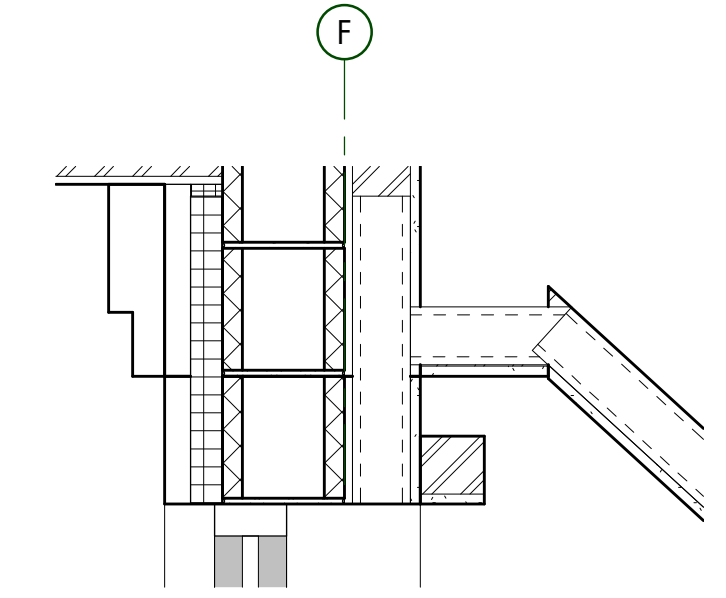
C4 CEILING DETAIL
 1" = 1'-0" @ VESTIBULE



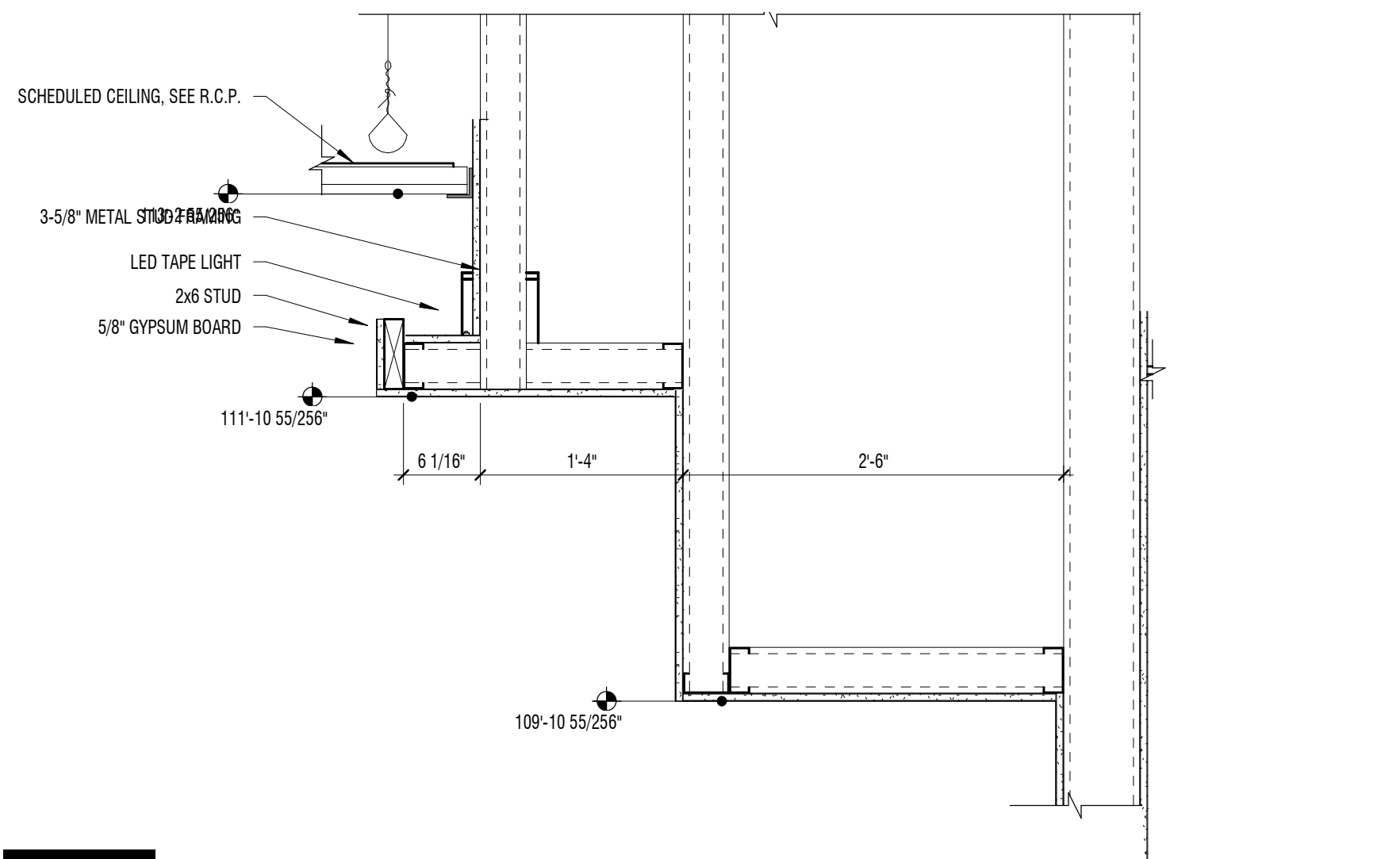
C2 CEILING DETAIL
 1" = 1'-0" @ LOBBY (101) PERIMETER COVE LIGHTING



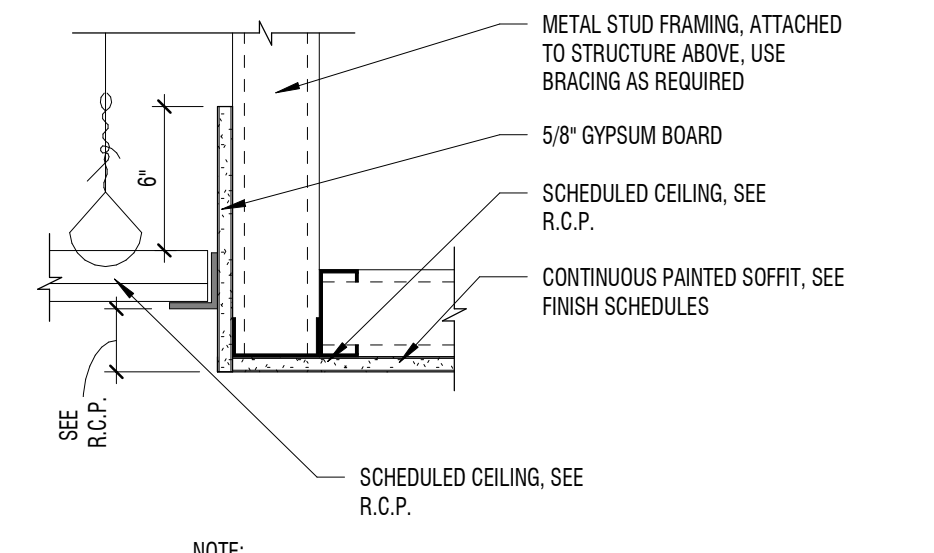
B4 CEILING DETAIL
 1 1/2" = 1'-0"



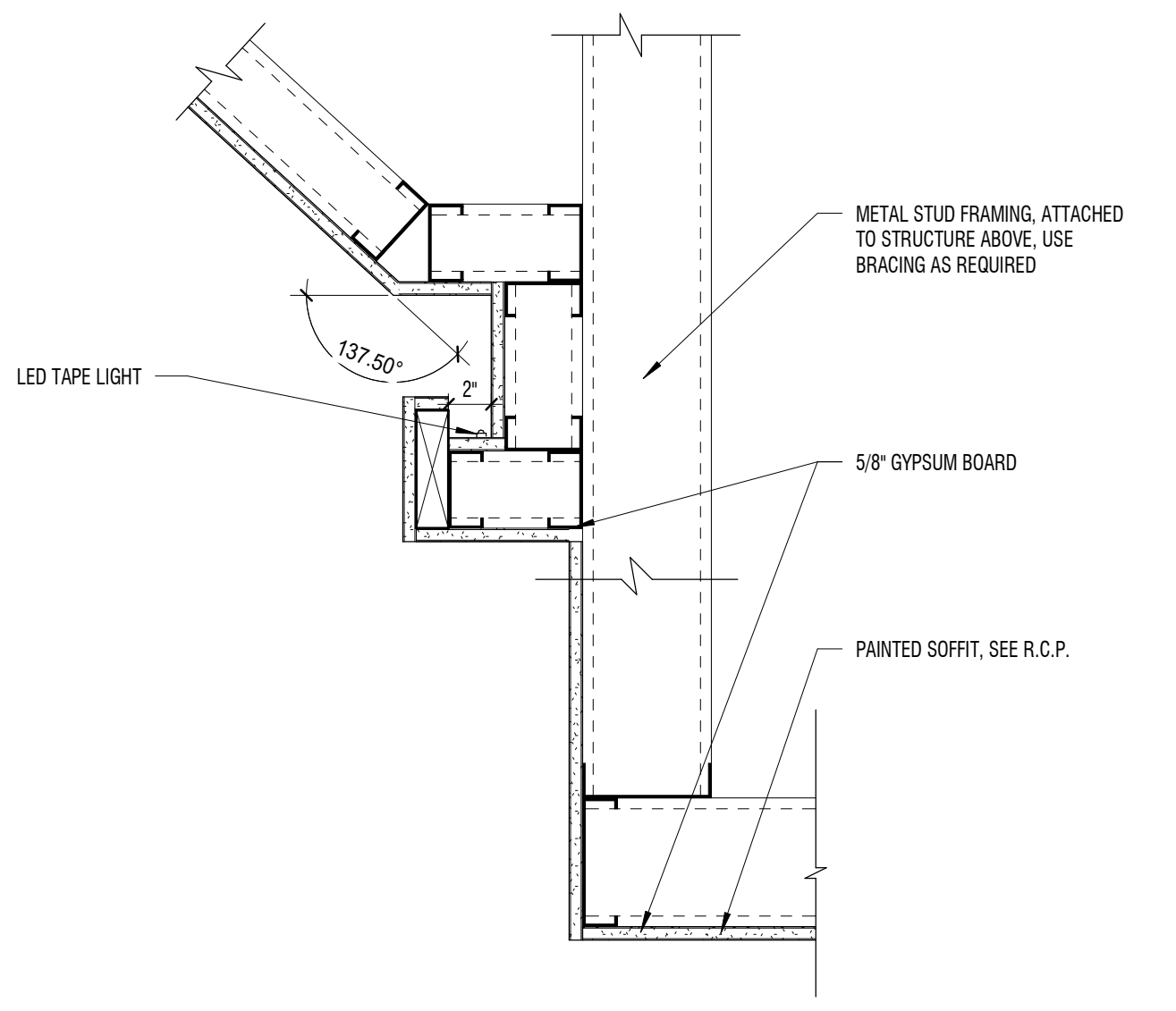
B2 CEILING DETAIL
 1" = 1'-0"



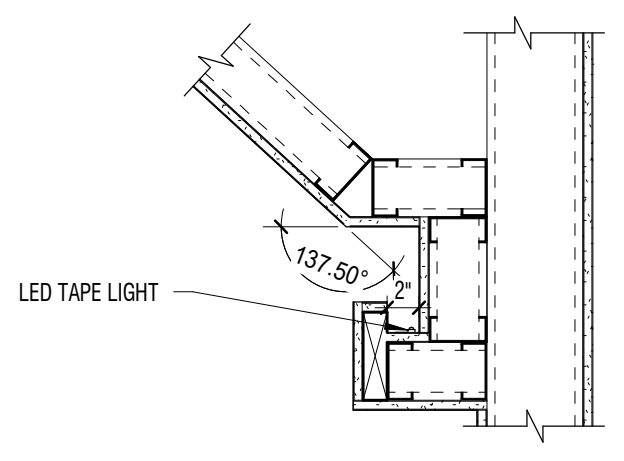
A2 CEILING DETAIL
 1" = 1'-0"



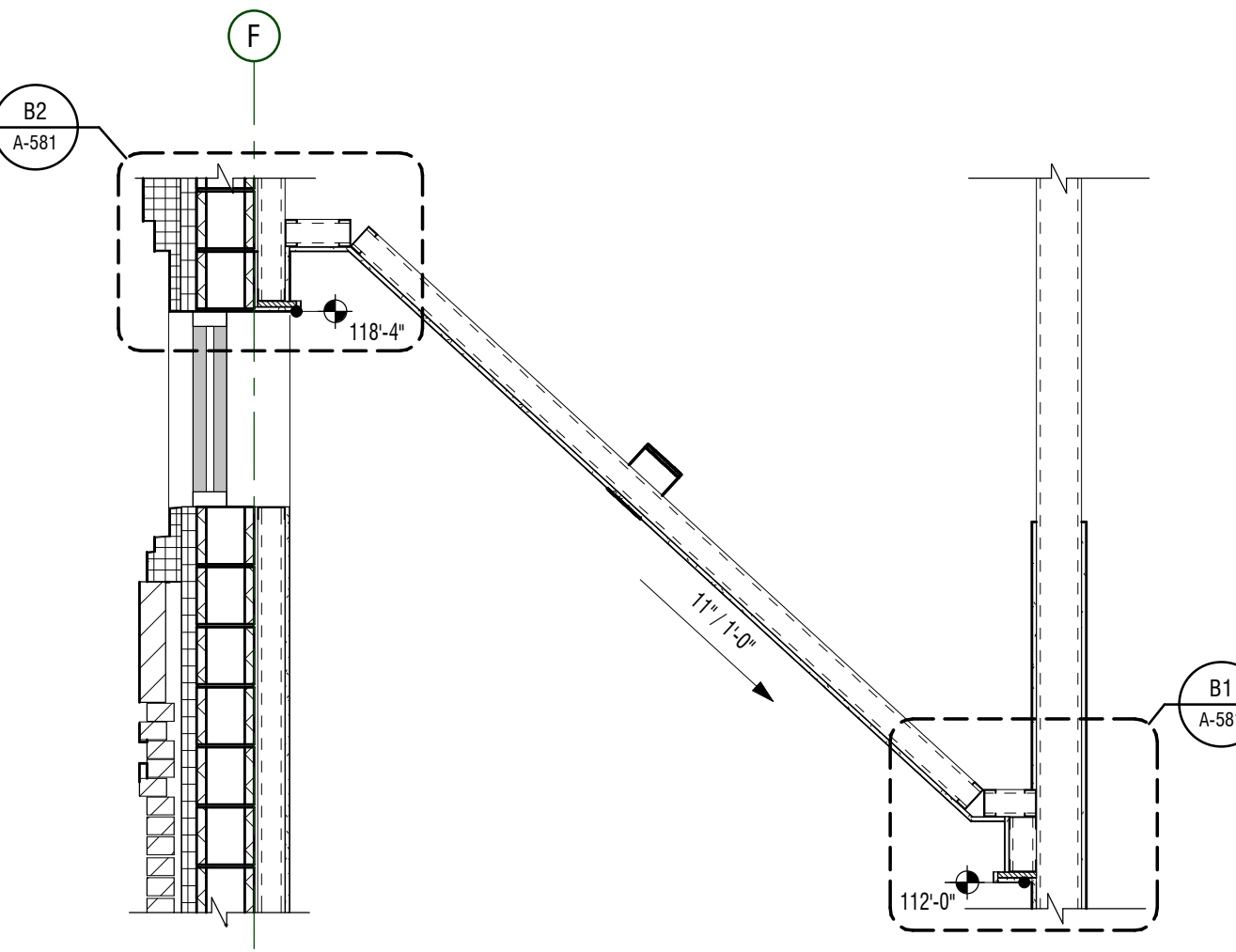
A4 CEILING DETAIL
 1 1/2" = 1'-0"



C1 CEILING DETAIL
 1 1/2" = 1'-0"



B1 CEILING DETAIL
 1" = 1'-0"



A1 CEILING SECTION
 1/2" = 1'-0" @ LOBBY (133)

4/1/2022 12:42:57 PM Autodesk Docs: 8021239 - North Logan City - Civic Center 8021239-A1-C1-CIVIC CENTER-R002_V2_TypingMark.rvt

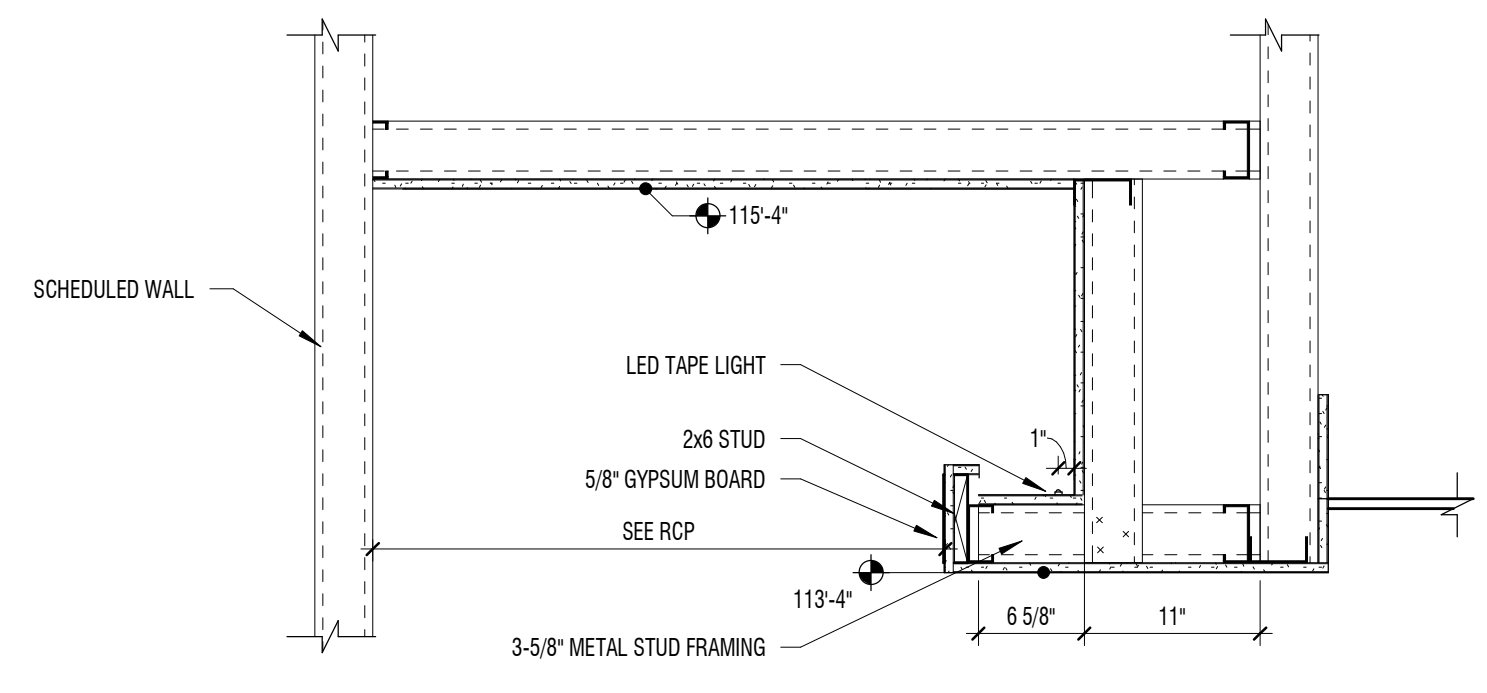
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D

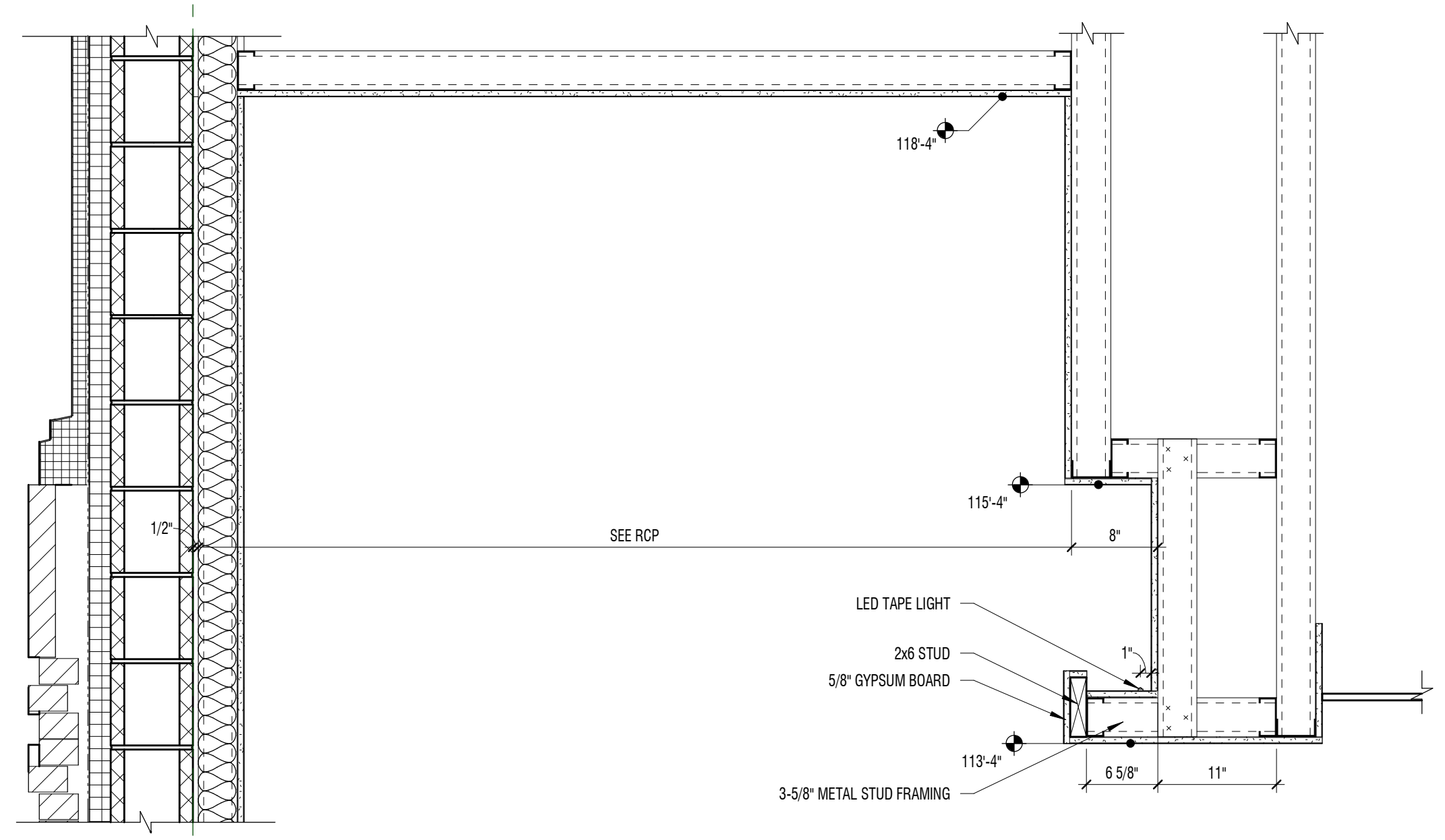
C

B

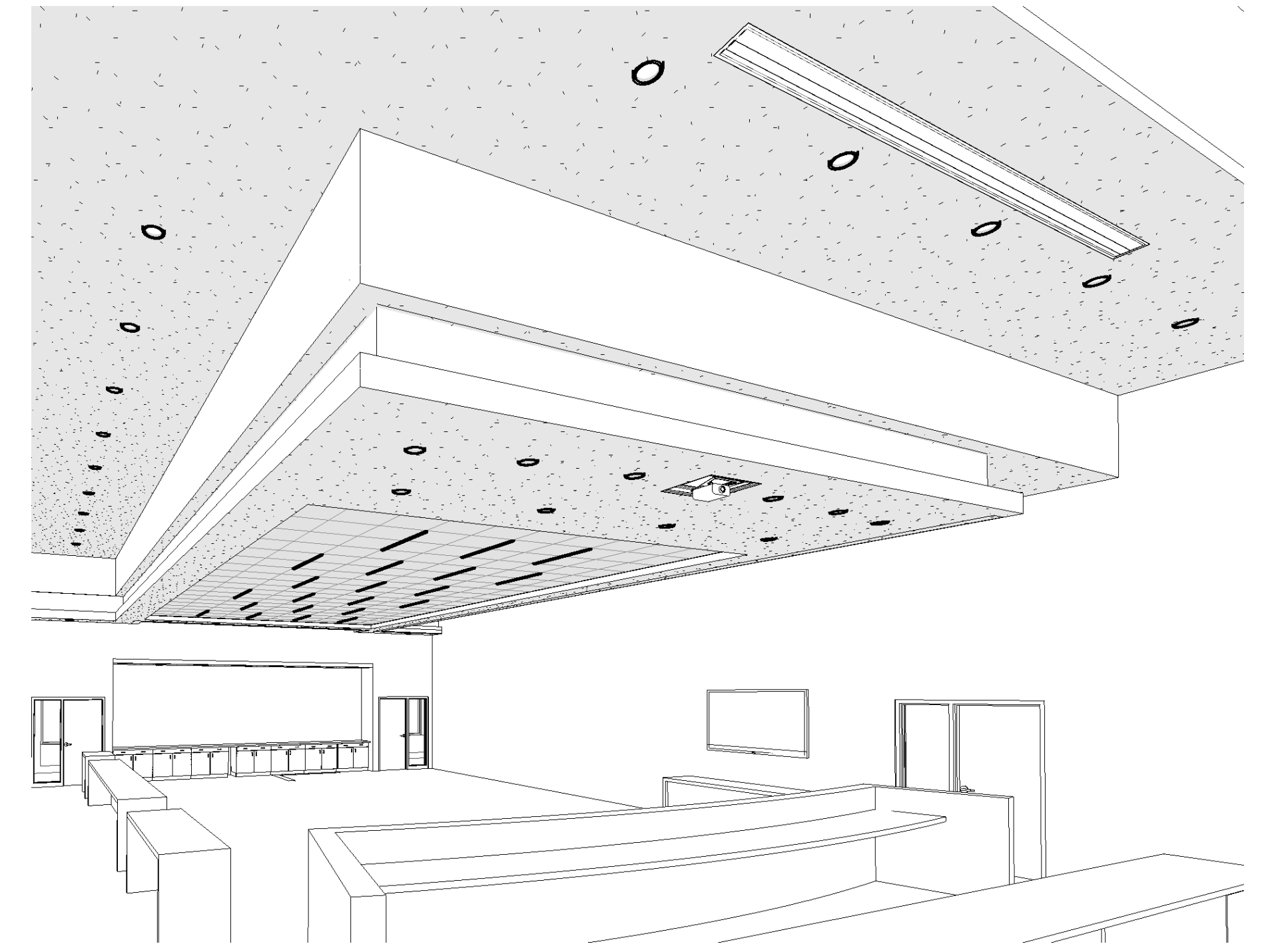
A



B2 CEILING DETAIL
1" = 1'-0"



A3 CEILING DETAIL
1" = 1'-0"



A4 COUNCIL ROOM
12" = 1'-0"

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MARK	DATE	DESCRIPTION

PROJECT #: 821239
 DRAWN BY: NIELSON
 CHECKED BY: ZETTERQUIST
 ISSUED: 03.30.2022

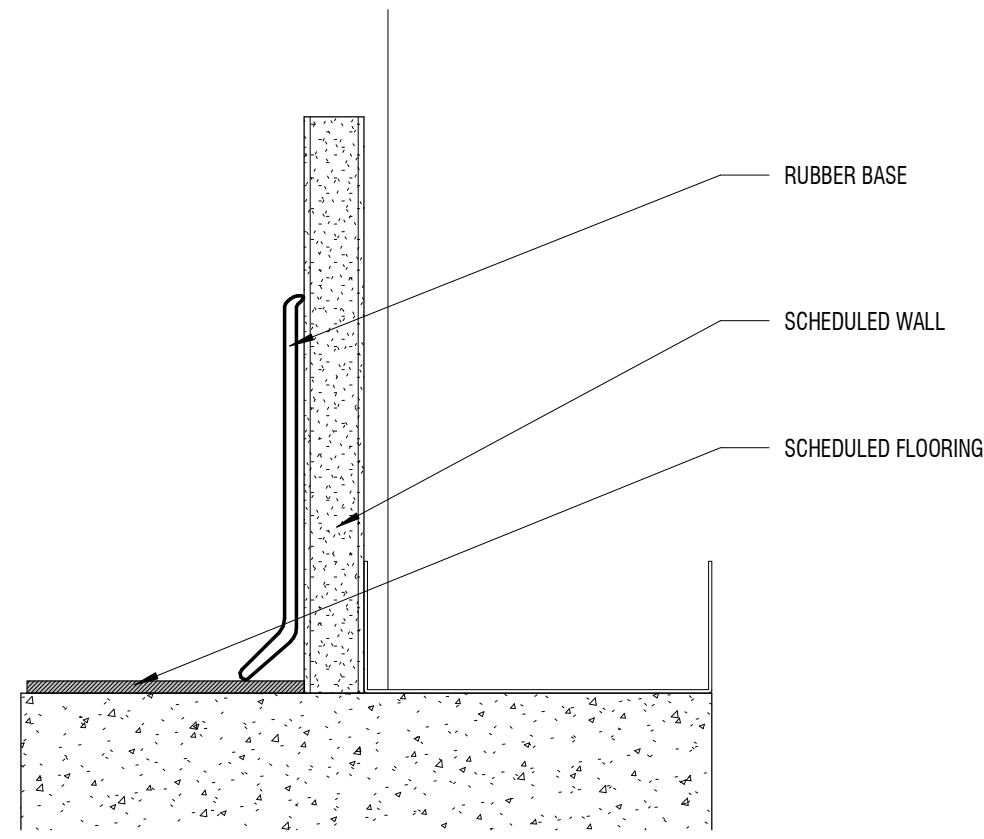
4/1/2022 12:42:53 PM Autodesk Docs: 8121239 - North Logan City - Civic Center 8121239-A-C-CIVIC CENTER-8022_V2_TypingMark.rvt

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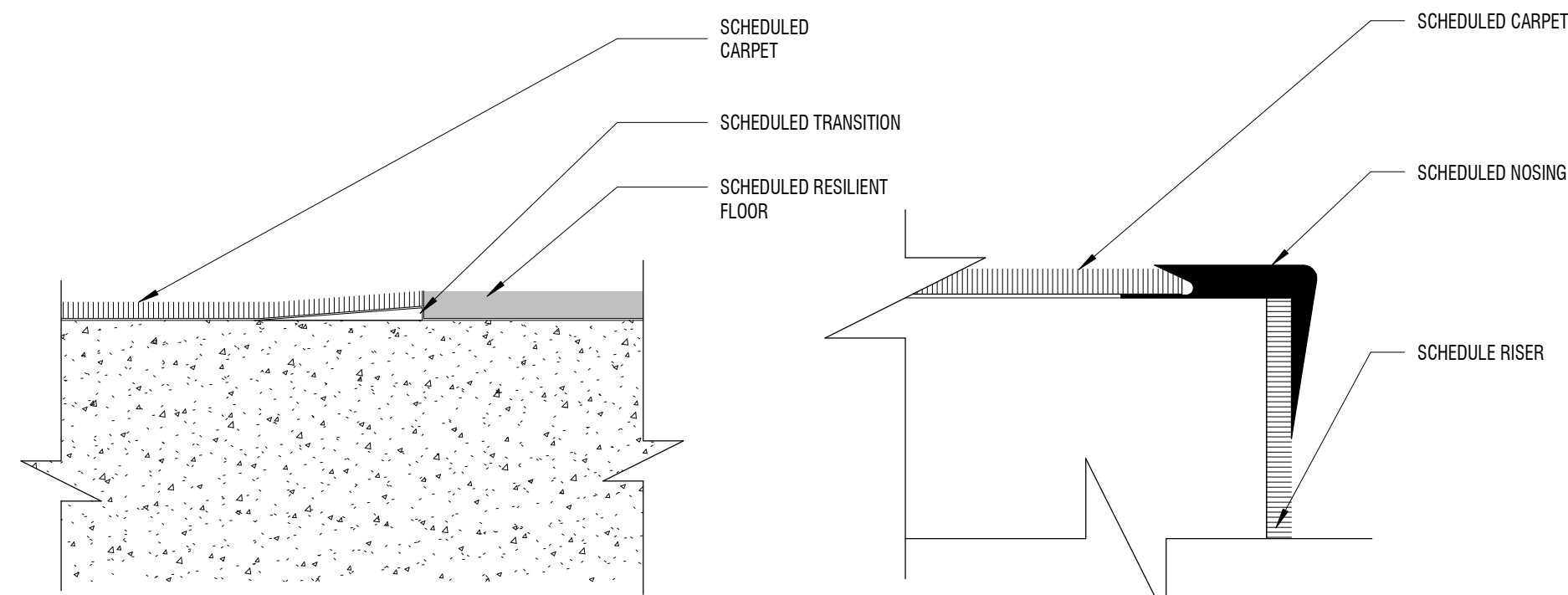
B

A



C1 BASE DETAIL

6" = 1'-0"

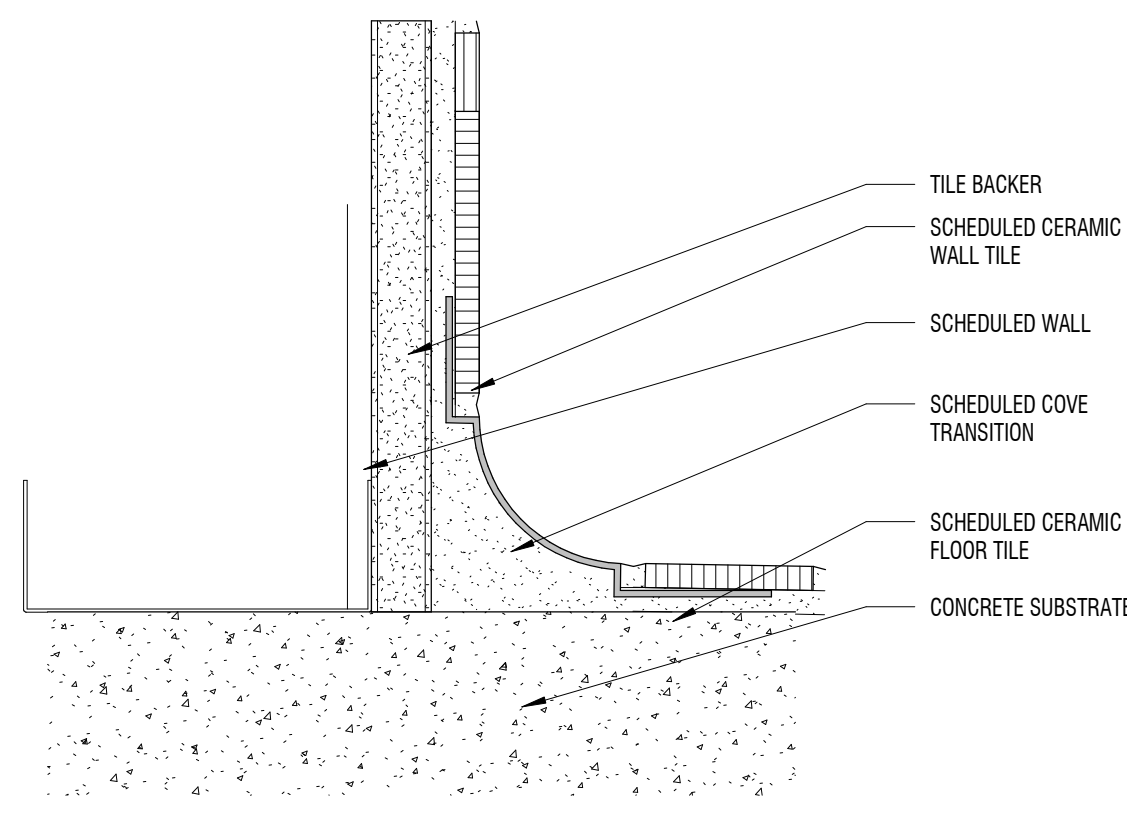


B1 RESILIENT TO CARPET

6" = 1'-0"

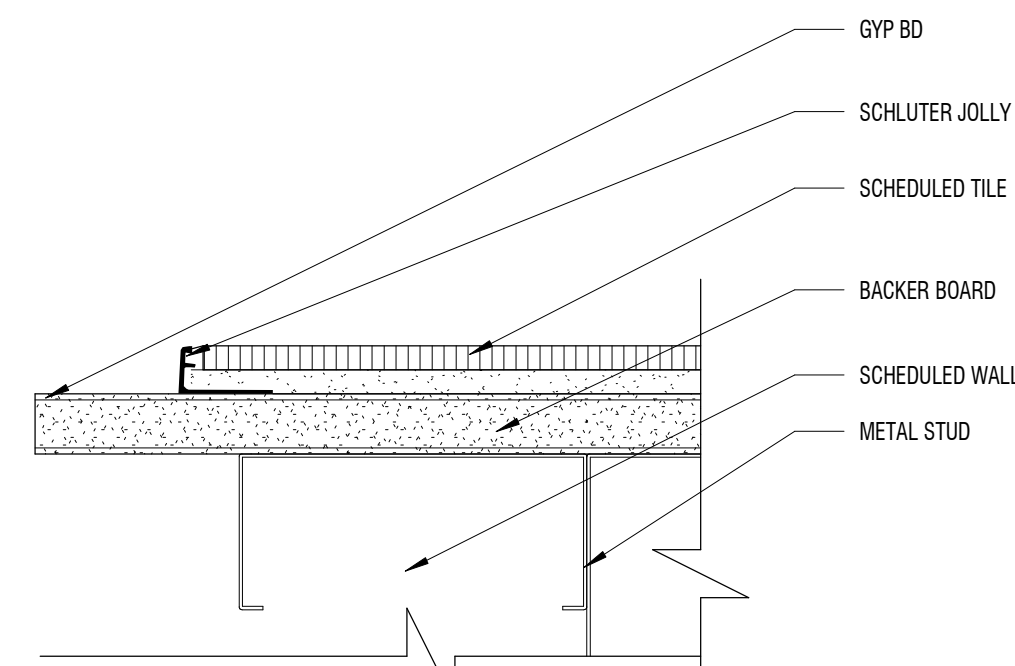
B2 CARPET TILE STAIR NOSING

6" = 1'-0"



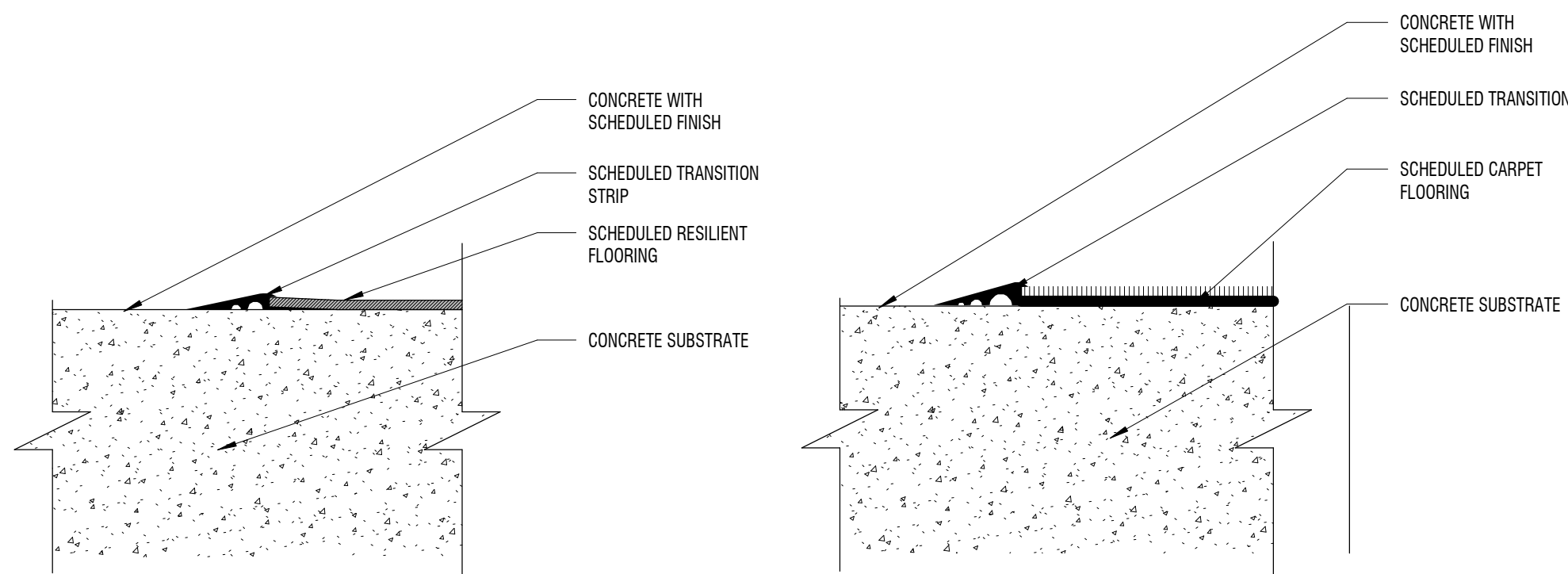
B3 COVE BASE TRANSITION

6" = 1'-0"



B4 EXPOSED TILE EDGE

6" = 1'-0"

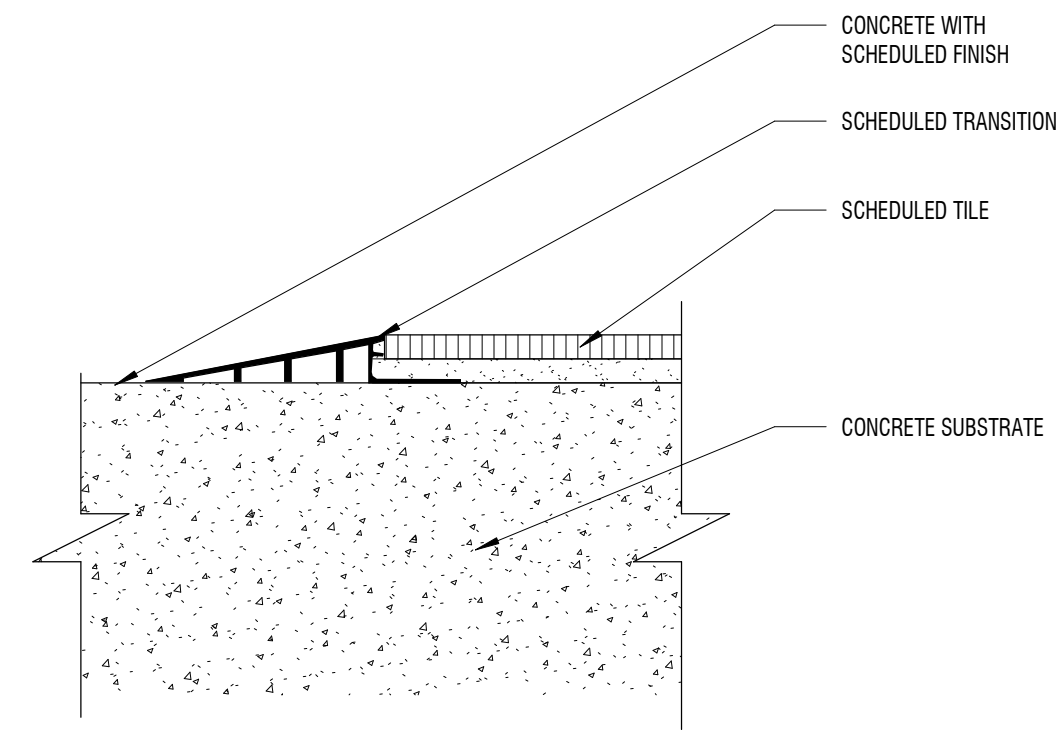


A1 CONCRETE TO RESILIENT

6" = 1'-0"

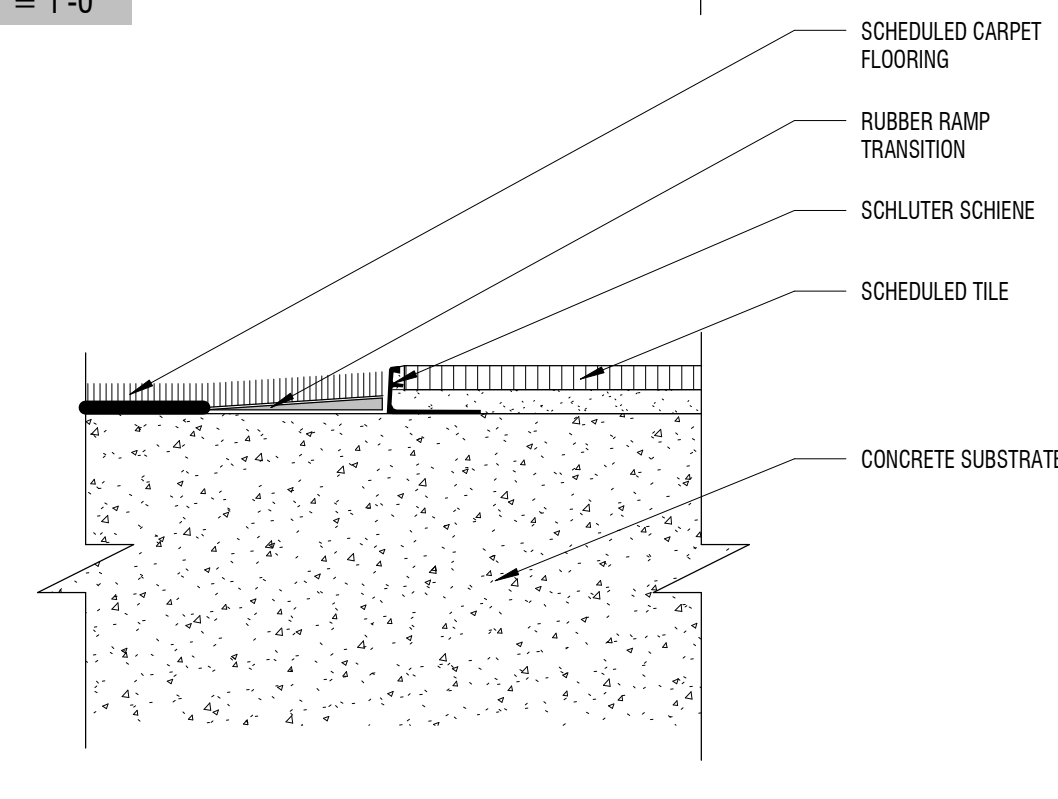
A2 CONCRETE TO CARPET

6" = 1'-0"



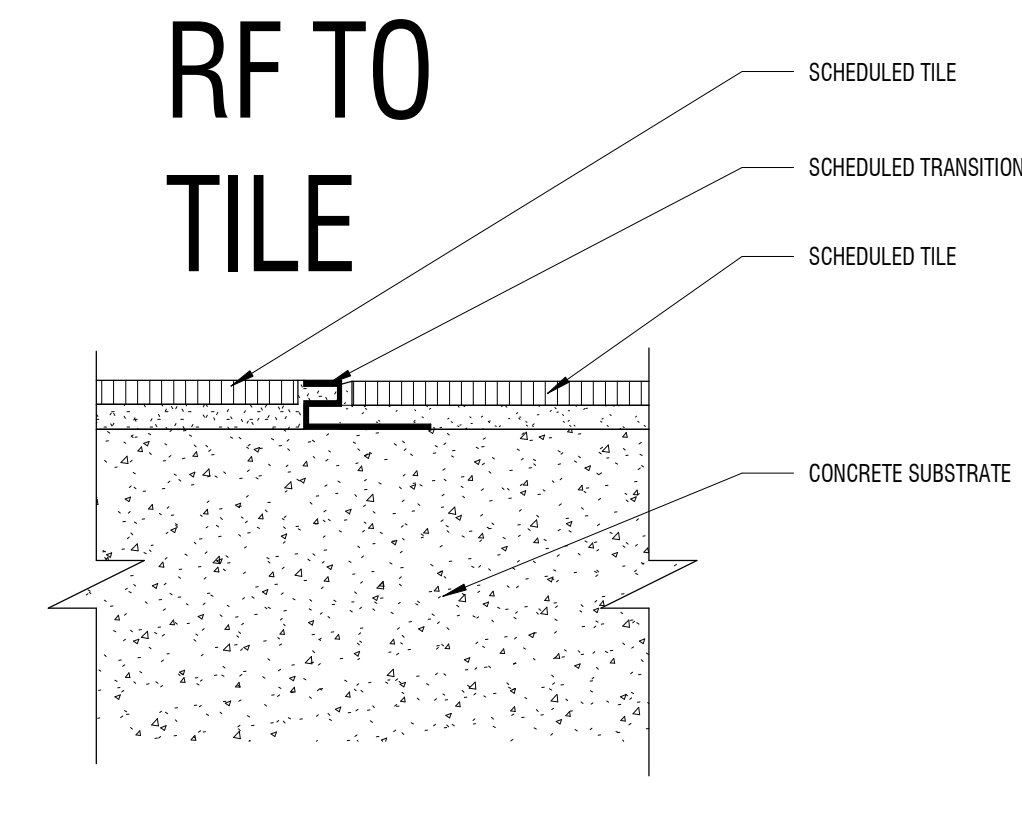
A3 CONCRETE TO TILE

6" = 1'-0"



A4 CARPET TO TILE

6" = 1'-0"



A5 TILE TO TILE

6" = 1'-0"

NOT FOR CONSTRUCTION

NORTH LOGAN CITY - CIVIC CENTER

APPROXIMATELY 2515 N 600 E

NORTH LOGAN, UT

NORTH LOGAN CITY

DESCRIPTION:

DATE:

MARK:

PROJECT #: 821239

DRAWN BY: JC

CHECKED BY: Checker

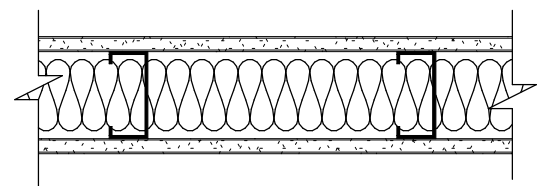
ISSUED: 03.30.2022

INTERIOR WALL ASSEMBLIES

GENERAL NOTES

S3A

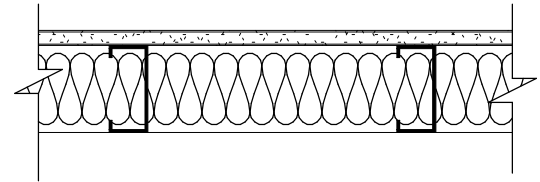
DESCRIPTION	ASSEMBLY	FIRE RATING
PARTITION	- 5/8" TYPE 'X' GYPSUM BOARD - 3 5/8" METAL STUD FRAMING @ 16" O.C. - 5/8" TYPE 'X' GYPSUM BOARD	N/A
		TESTING SOURCE N/A
		STC RATING N/A
		TESTING SOURCE N/A



NOTE: SEE CODE PLAN FOR CAVITY INSULATION LAYOUT.

S3B

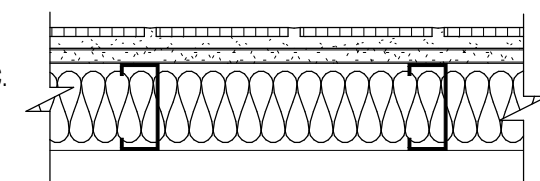
DESCRIPTION	ASSEMBLY	FIRE RATING
BUILD-OUT / FURRING	- 5/8" TYPE 'X' GYPSUM BOARD - 3 5/8" METAL STUD FRAMING @ 16" O.C. - NONE	N/A
		TESTING SOURCE N/A
		STC RATING N/A
		TESTING SOURCE N/A



NOTE: SEE CODE PLAN FOR CAVITY INSULATION LAYOUT.

S3G

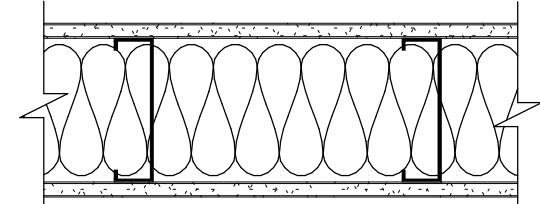
DESCRIPTION	ASSEMBLY	FIRE RATING
BUILD-OUT / FURRING	- TILE OVER LATEX-PORTLAND CEMENT MORTAR OR ORGANIC ADHESIVE BOND COAT WHERE OCCURS - 5/8" BACKER BOARD, 5/8" TYPE 'X' GYPSUM BOARD ABOVE WHERE OCCURS - 3 5/8" METAL STUD FRAMING @ 16" O.C.	N/A
		TESTING SOURCE N/A
		STC RATING N/A
		TESTING SOURCE N/A



NOTE: SEE CODE PLAN FOR CAVITY INSULATION LAYOUT.

S6A

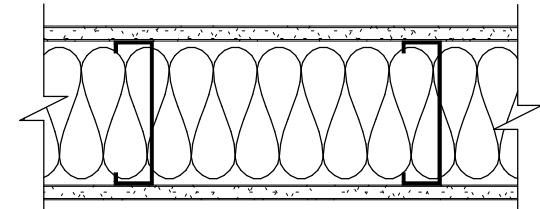
DESCRIPTION	ASSEMBLY	FIRE RATING
PARTITION	- 5/8" TYPE 'X' GYPSUM BOARD - 6" METAL STUD FRAMING @ 16" O.C. - 5/8" TYPE 'X' GYPSUM BOARD	N/A
		TESTING SOURCE N/A
		STC RATING N/A
		TESTING SOURCE N/A



NOTE: SEE CODE PLAN FOR CAVITY INSULATION LAYOUT.

S6A1

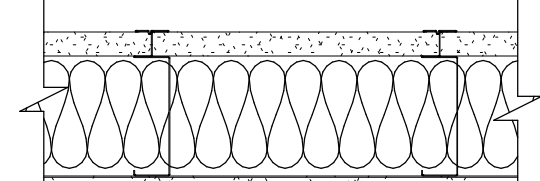
DESCRIPTION	ASSEMBLY	FIRE RATING
PARTITION	- 5/8" TYPE 'X' GYPSUM BOARD - 6" METAL STUD FRAMING @ 16" O.C. - 5/8" TYPE 'X' GYPSUM BOARD	1 HOUR
		TESTING SOURCE UL U419 OR MEA 81-98-M
		STC RATING N/A
		TESTING SOURCE N/A



NOTE: SEE CODE PLAN FOR CAVITY INSULATION LAYOUT.

H6A1

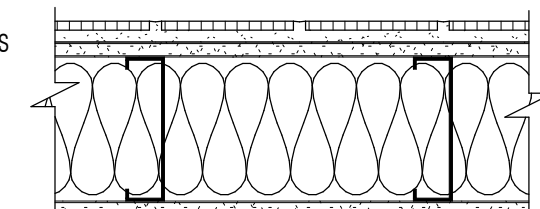
DESCRIPTION	ASSEMBLY	FIRE RATING
ELEVATOR SHAFT	- 1" TYPE 'X' GYPSUM BOARD - 6" METAL C-H STUD FRAMING @ 24" O.C. - 5/8" TYPE 'X' GYPSUM BOARD	1 HOUR
		TESTING SOURCE UL U415 SYSTEM A
		STC RATING 39
		TESTING SOURCE N/A



NOTE: SEE CODE PLAN FOR CAVITY INSULATION LAYOUT.

S6E

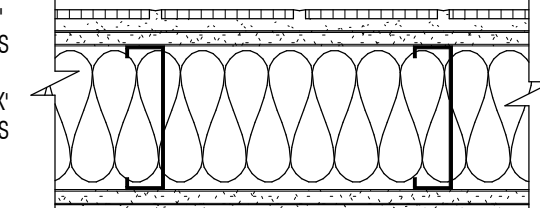
DESCRIPTION	ASSEMBLY	FIRE RATING
PARTITION	- TILE OVER LATEX-PORTLAND CEMENT MORTAR OR ORGANIC ADHESIVE BOND COAT WHERE OCCURS - 5/8" BACKER BOARD, 5/8" TYPE 'X' GYPSUM BOARD ABOVE WHERE OCCURS - 6" METAL STUD FRAMING @ 16" O.C. - 5/8" TYPE 'X' GYPSUM BOARD	N/A
		TESTING SOURCE N/A
		STC RATING N/A
		TESTING SOURCE N/A



NOTE: SEE CODE PLAN FOR CAVITY INSULATION LAYOUT.

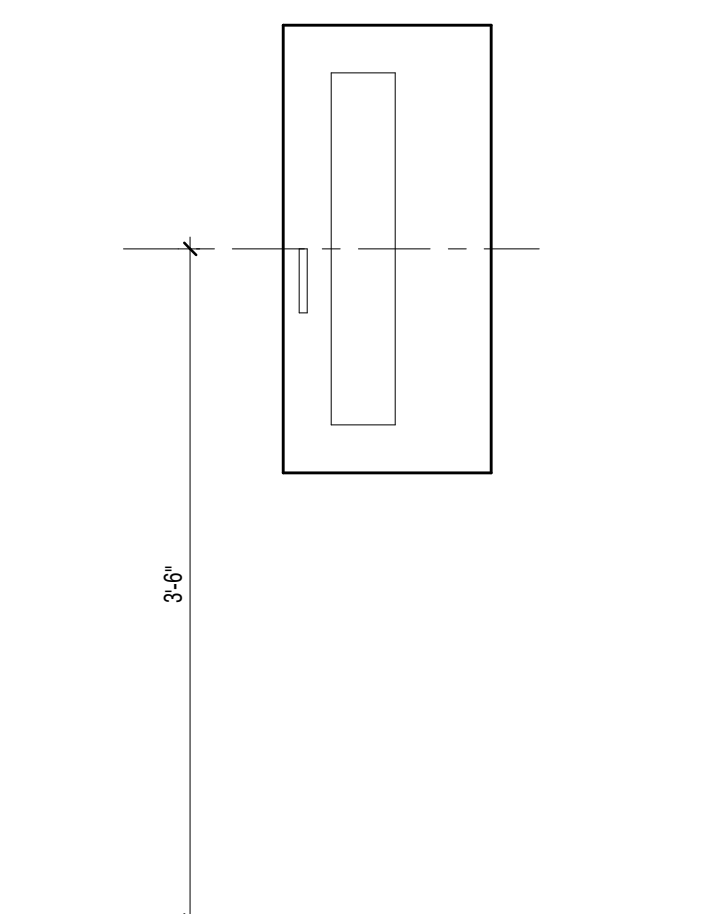
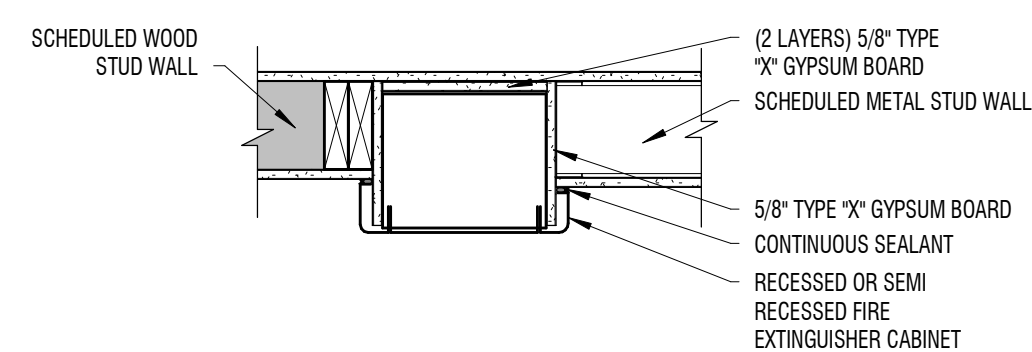
S6F

DESCRIPTION	ASSEMBLY	FIRE RATING
PARTITION	- TILE OVER LATEX-PORTLAND CEMENT MORTAR OR ORGANIC ADHESIVE BOND COAT WHERE OCCURS - 5/8" TILE BACKER BOARD, 5/8" TYPE 'X' GYPSUM BOARD ABOVE WHERE OCCURS - 6" METAL STUD FRAMING @ 16" O.C. - 5/8" TILE BACKER BOARD, 5/8" TYPE 'X' GYPSUM BOARD ABOVE WHERE OCCURS - TILE OVER LATEX-PORTLAND CEMENT MORTAR OR ORGANIC ADHESIVE BOND COAT WHERE OCCURS	N/A
		TESTING SOURCE N/A
		STC RATING N/A
		TESTING SOURCE N/A



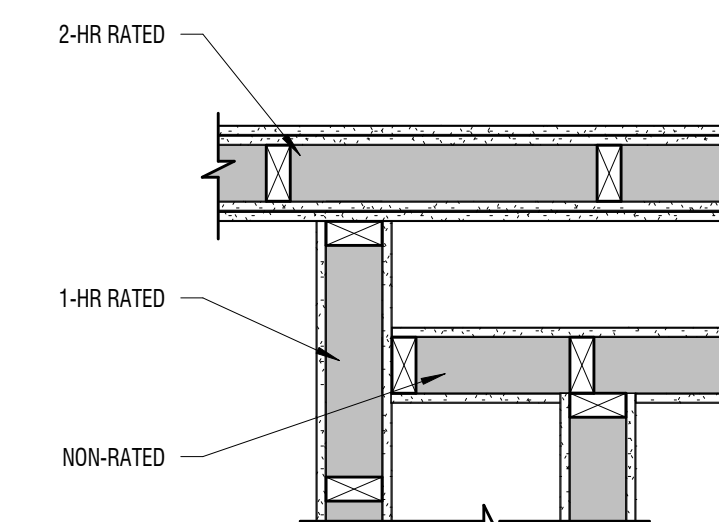
NOTE: SEE CODE PLAN FOR CAVITY INSULATION LAYOUT.

- WALL TYPE ASSEMBLIES ARE NOT INTENDED TO LOCATE INSULATION FOR ALL CONDITIONS. THE CODE PLANS ARE USED TO MORE CLEARLY INDICATE THE LOCATION FOR INSULATION FOR THERMAL OR SOUND ISOLATION. SEE CODE PLANS FOR A GENERAL LAYOUT AND DETAILS FOR ADDITIONAL OCCURANCES.
- SEE SOURCE OF TESTED ASSEMBLIES FOR SEAM OVERLAPS, TAPING, AND FASTENING REQUIREMENTS OF RATED WALL TYPES.



B5 FIRE EXTINGUISHER CABINET

1" = 1'-0" SEMI-RECESSED



- NOTE:
- HIGHER RATED ASSEMBLY SHALL BE MAINTAINED
 - IF CONSTRUCTION SEQUENCING REQUIRES ALL FRAMING TO BE INSTALLED PRIOR TO GYPSUM BOARD, PROPER CLEARANCE FOR GYPSUM BOARD SHALL BE MAINTAINED
 - USE EXTERIOR RATED GYPSUM BOARD IF INSTALLED PRIOR TO DRY-IN

A5 HEIRARCHY OF ASSEMBLIES

1" = 1'-0"

NORTH LOGAN CITY - CIVIC CENTER
APPROXIMATELY 2515 N 600 E
NORTH LOGAN, UT
NORTH LOGAN CITY

design west architects
LOGAN UT 84321
255 SOUTH 300 WEST
795 NORTH 400 WEST
SALT LAKE CITY UT 84103

MARK: _____ DATE: _____ DESCRIPTION: _____

PROJECT #: 821239
DRAWN BY: NIELSON
CHECKED BY: ZETTERQUIST
ISSUED: 03.30.2022

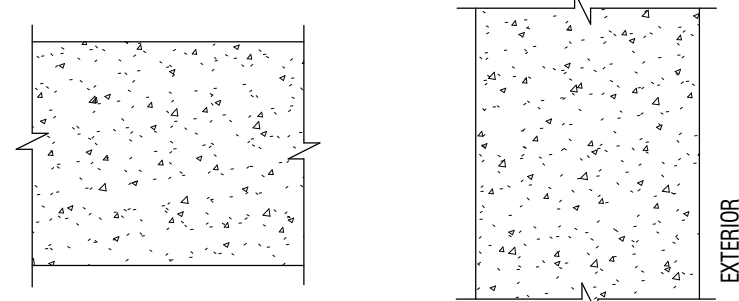
NOT FOR CONSTRUCTION

ASSEMBLIES - INTERIOR WALLS

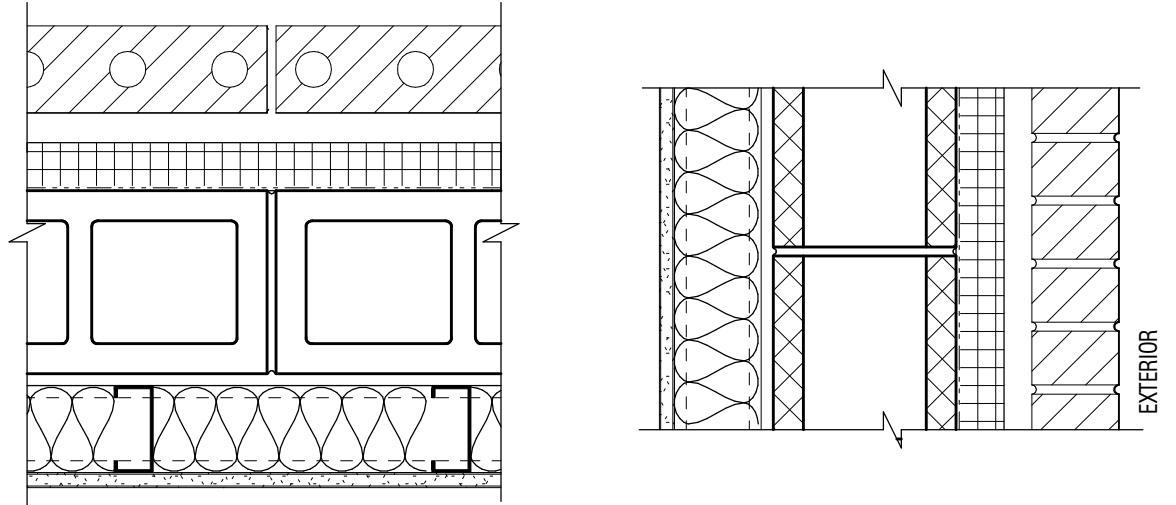
A-611

EXTERIOR WALL ASSEMBLIES

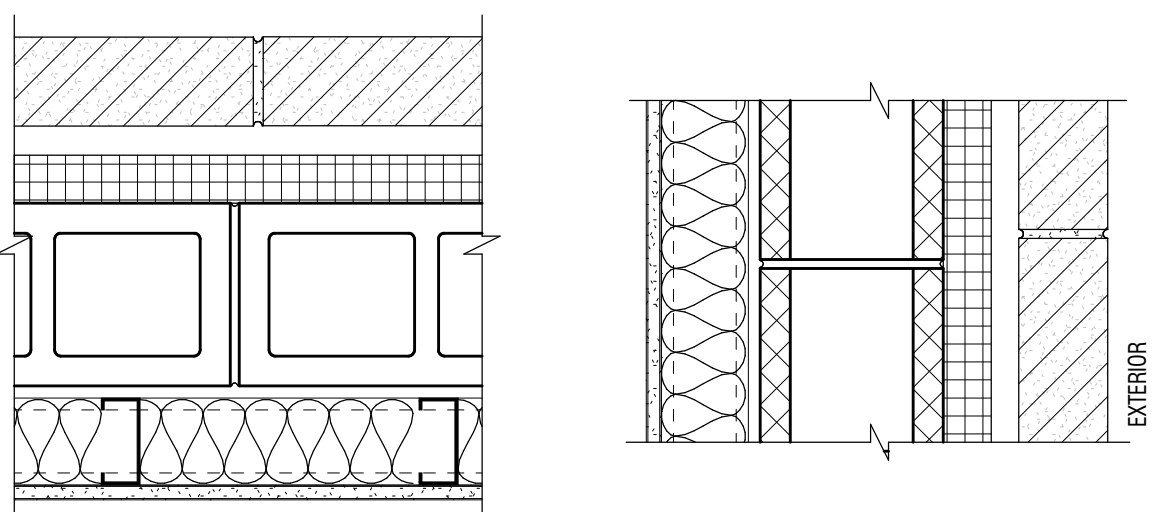
C14

DESCRIPTION	ASSEMBLY	FIRE RATING
CAST-IN-PLACE CONCRETE WALL	- CONCRETE - 14" THICK (SEE STRUCTURAL FOR REINFORCING DETAILS)	1 HR
RATED ASSEMBLY	ARCHITECTURAL FINISH, NOTCH TOP OF WALL	TESTING SOURCE N/A
		STC RATING N/A
		TESTING SOURCE N/A

EM8A

DESCRIPTION	ASSEMBLY	FIRE RATING
EXTERIOR WALL	- 3-5/8" BRICK VENEER - 1" AIR SPACE - 2" RIGID INSULATION - WEATHER BARRIER - 7-5/8" CMU WALL - 1/2" GAP - 3-5/8" METAL STUD FRAMING, FILL CAVITY WITH BATT INSULATION - 5/8" GYPSUM BOARD	3 HR
		TESTING SOURCE N/A
		STC RATING 58-61
		TESTING SOURCE 30160-06-77870

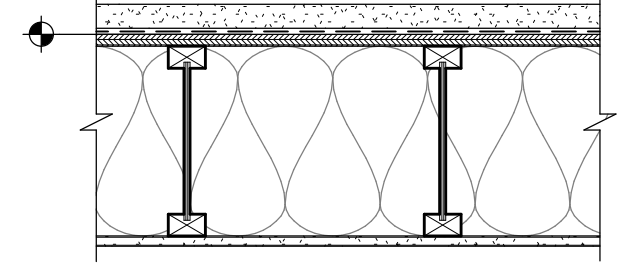
EM8B

DESCRIPTION	ASSEMBLY	FIRE RATING
EXTERIOR WALL	- 3-5/8" STONE - 1" AIR SPACE - 2" RIGID INSULATION - WEATHER BARRIER - 7-5/8" CMU WALL - 1/2" MIN GAP - 3-5/8" METAL STUD FRAMING, FILL CAVITY WITH BATT INSULATION - 5/8" GYPSUM BOARD	3 HR
		TESTING SOURCE N/A
		STC RATING N/A
		TESTING SOURCE N/A

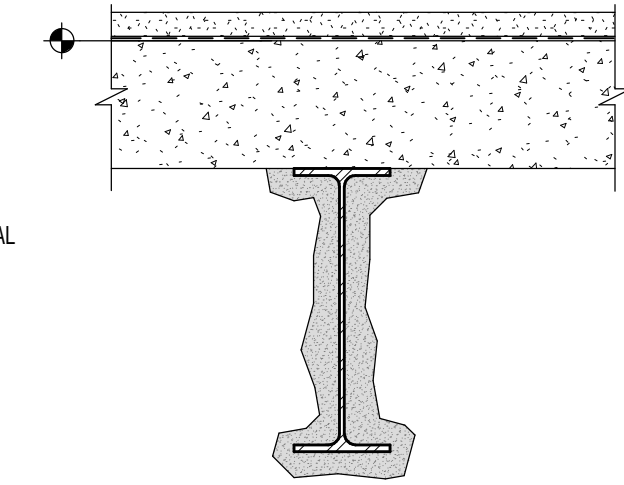
DESCRIPTION	ASSEMBLY	FIRE RATING
		1 HR
		TESTING SOURCE WNR/RCA 60-01
		STC RATING N/A
		TESTING SOURCE N/A

FLOOR ASSEMBLIES

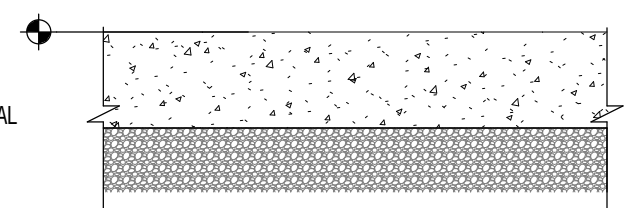
FW-1

DESCRIPTION	ASSEMBLY	FIRE RATING
RATED ASSEMBLY	- 1" GYPCRETE TOPPING - 3/8" SOUND DAMPENING MAT	1 HR
	FLOOR LEVEL - SEE ELEVATIONS / SECTIONS	TESTING SOURCE BKVV.L501
		STC RATING 61
		TESTING SOURCE 10110.26 / 10110.30

FCS-3

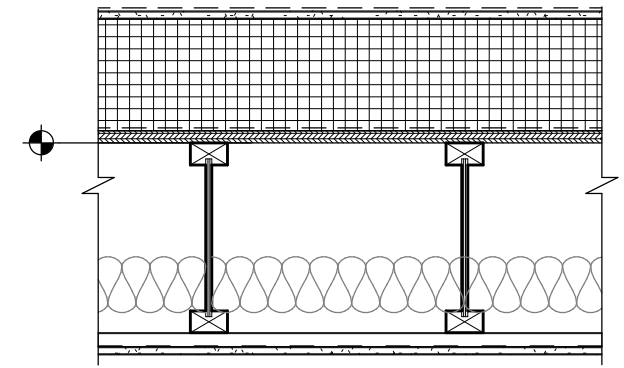
DESCRIPTION	ASSEMBLY	FIRE RATING
PODIUM FLOOR	- 1/2" GYPCRETE TOPPING - 1/16" SOUND DAMPENING MAT	3 HR
RATED ASSEMBLY	FLOOR LEVEL - SEE ELEVATIONS / SECTIONS	TESTING SOURCE PER IBC 722.2.1.1
		STC RATING 58-61
		TESTING SOURCE 30160-06-77870

FC6

DESCRIPTION	ASSEMBLY	FIRE RATING
SLAB ON GRADE	FLOOR LEVEL - SEE ELEVATIONS / SECTIONS	N/A
	- 6" CONCRETE SLAB - SEE STRUCTURAL - GRAVEL BASE - SEE STRUCTURAL	TESTING SOURCE N/A
		STC RATING N/A
		TESTING SOURCE N/A

ROOF ASSEMBLIES

RW-1

DESCRIPTION	ASSEMBLY	FIRE RATING
	- ROOFING MEMBRANE - GLASS MAT COVERBOARD - RIGID INSULATION - R304 - VAPOR BARRIER - 3/4" T&G PLYWOOD SHEATHING	1 HR
	FLOOR LEVEL - SEE ELEVATIONS / SECTIONS	TESTING SOURCE WNR/RCA 60-01
		STC RATING N/A
		TESTING SOURCE N/A

GENERAL NOTES

1. WALL TYPE ASSEMBLIES ARE NOT INTENDED TO LOCATE INSULATION FOR INTERIOR PARTITION CONDITIONS, UNLESS REQUIRED AS TESTED AND CERTIFIED FOR A RATED ASSEMBLY. SEE CODE PLANS, WALL SECTIONS, AND DETAILS FOR LOCATIONS INTENDED FOR INSULATION FOR EITHER THERMAL OR SOUND BARRIERS.
2. THE INTERNATIONAL ENERGY CONSERVATION CODE (IECC C403.1.3) REQUIRES ALL ELEMENTS OF THE BUILDING ENVELOPE (WALLS, FLOORS, ROOFS) EXPOSED TO THE EXTERIOR ENVIRONMENT TO RECEIVE PROTECTION. THE INSTALLER/CONTRACTOR MUST PROVIDE A COMPLIANT INSTALLATION. BIDS AND WORK MUST TAKE INTO ACCOUNT THE ENTIRE DOCUMENT SET AND COMPLY WITH ALL APPLICABLE CODES AND BEST PRACTICES. INSTALLERS FINDING ERRORS, OMISSIONS, OR AREAS LACKING CLARITY SHOULD SUBMIT A REQUEST FOR INFORMATION PRIOR TO SUBMITTING BID OR PERFORMING WORK.
3. SEE TESTED ASSEMBLIES SOURCE FOR SEAM OVERLAPS, TAPING, AND FASTENING REQUIREMENTS.

NOT FOR CONSTRUCTION

DOOR SCHEDULE

MARK	LEAF SIZING (1)			DOOR TYPE (2)	CONSTRUCTION (3)	FINISH (4)	GLAZING (5)	RATING (6)	FRAME TYPE (7)	DETAIL (8)			HARDWARE (9)	NOTES (10)
	W	H	D							HEAD	JAMB	SILL		
006.4	3'-0"	7'-0"	1 3/4"	AL01	AL	-	SGI	-	D	C1/A-571	B2/A-571	A2/A-571	-	C
006D	3'-0"	7'-0"	1 3/4"	WD01	AL	-	HMA	-	HMA	C5/A-571	B5/A-571	-	-	-
018	6'-0"	7'-0"	1 3/4"	HM02	HM	-	60 MIN	-	-	C5/A-571	B5/A-571	-	-	-
019.1	6'-0"	8'-0"	1 3/4"	AL03	AL	-	-	-	C	C1/A-571	B2/A-571	A2/A-571	-	C
020	3'-0"	7'-0"	1 3/4"	WD01	SC	-	HMA	-	-	C5/A-571	B5/A-571	-	-	-
100	6'-0"	8'-0"	1 3/4"	AL03	AL	-	SGI	-	Y	C1/A-571	B1/A-571	A2/A-571	-	A,B
101	6'-0"	8'-0"	1 3/4"	AL02	AL	-	SG	-	AE	C1/A-571	B1/A-571	A1/A-571	-	A
103	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMA	C5/A-571	B5/A-571	-	-	-
104	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMC	C5/A-571	B4/A-571	-	-	-
105	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMC	C5/A-571	B4/A-571	-	-	-
107	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMC	C5/A-571	B4/A-571	-	-	B
108.1	3'-0"	7'-0"	1 3/4"	AL01	AL	-	SG	-	AF	C2/A-571	B1/A-571	A1/A-571	-	-
108.2	3'-0"	7'-0"	1 3/4"	AL01	AL	-	SG	-	AF	C2/A-571	B1/A-571	A1/A-571	-	-
109	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMC	C5/A-571	B4/A-571	-	-	-
110	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMC	C5/A-571	B4/A-571	-	-	-
111	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMC	C5/A-571	B4/A-571	-	-	-
112	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMC	C5/A-571	B4/A-571	-	-	-
113	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMC	C5/A-571	B4/A-571	-	-	-
114	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMC	C5/A-571	B4/A-571	-	-	-
115	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMC	C5/A-571	B4/A-571	-	-	-
116	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMC	C5/A-571	B4/A-571	-	-	-
118	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMC	C5/A-571	B4/A-571	-	-	-
119	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMC	C5/A-571	B4/A-571	-	-	-
120	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMC	C5/A-571	B4/A-571	-	-	-
121	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMA	C5/A-571	B5/A-571	-	-	-
123	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMC	C5/A-571	B4/A-571	-	-	-
124	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMC	C5/A-571	B4/A-571	-	-	B
125.1	3'-0"	7'-0"	1 3/4"	WD127	SC	-	45 MIN	-	HMC	C5/A-571	B4/A-571	-	-	-
125.2	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMC	C5/A-571	B4/A-571	-	-	-
126	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMA	C5/A-571	B5/A-571	-	-	-
127	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMA	C5/A-571	B5/A-571	-	-	-
128	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMA	C5/A-571	B5/A-571	-	-	-
129	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMA	C5/A-571	B5/A-571	-	-	-
132.1	3'-0"	7'-0"	1 3/4"	AL04	SC	-	45 MIN	-	HMC	C5/A-571	B4/A-571	-	-	-
132.2	3'-0"	7'-0"	1 3/4"	AL04	SC	-	45 MIN	-	HMC	C5/A-571	B4/A-571	-	-	-
132.3	3'-0"	7'-0"	1 3/4"	AL04	SC	-	45 MIN	-	HMC	C5/A-571	B4/A-571	-	-	-
133.1	6'-0"	8'-0"	1 3/4"	AL03	AL	-	SGI	-	AC	C1/A-571	B2/A-571	-	-	-
133.2	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMC	C5/A-571	B4/A-571	-	-	B
134	3'-0"	7'-0"	1 3/4"	HM01	HM	-	-	-	HMB	C3/A-571	B3/A-571	A3/A-571	-	-
135	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMA	C5/A-571	B5/A-571	-	-	-

DOOR SCHEDULE - BID ALT 1

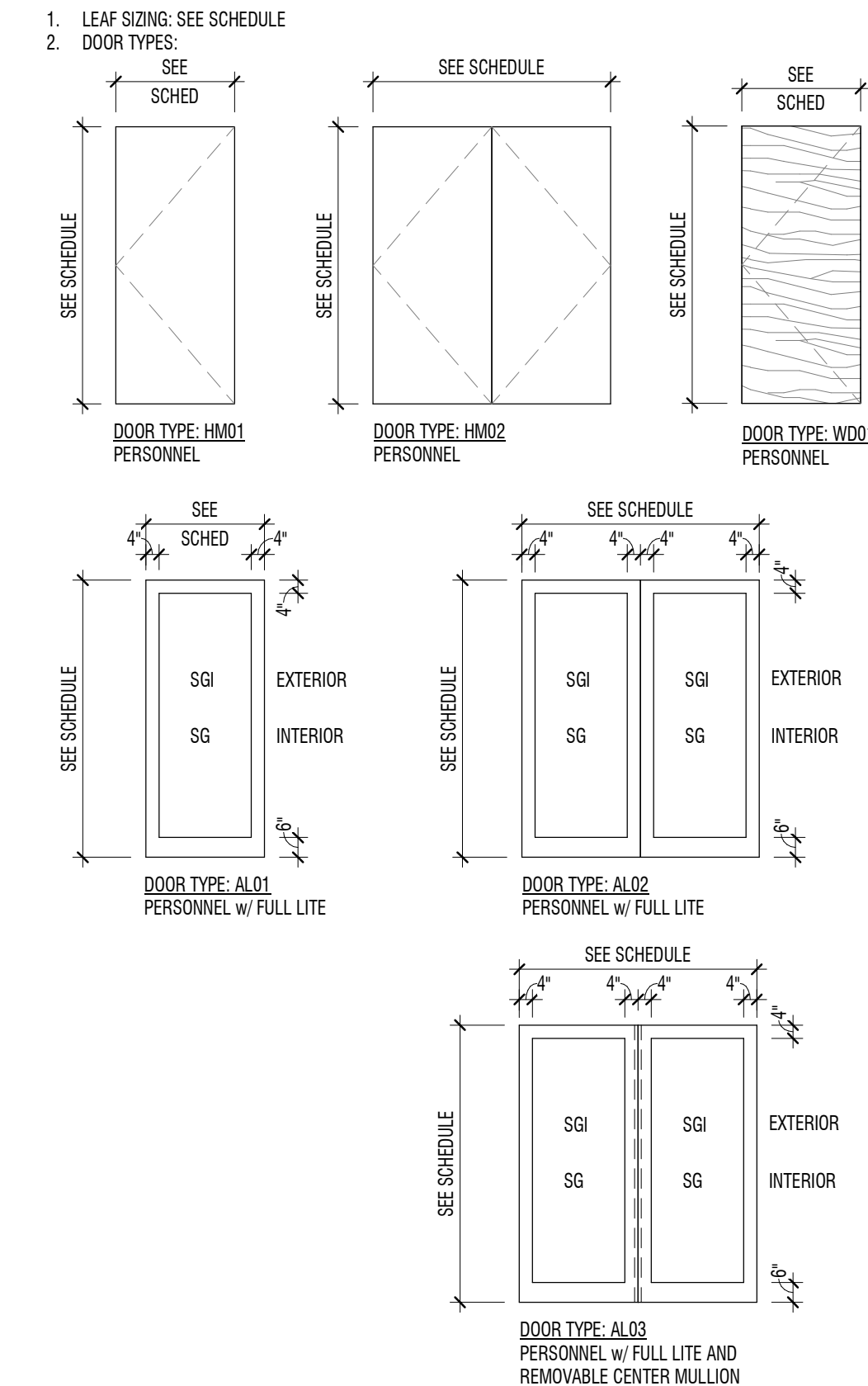
MARK	LEAF SIZING (1)			DOOR TYPE (2)	CONSTRUCTION (3)	FINISH (4)	GLAZING (5)	RATING (6)	FRAME TYPE (7)	DETAIL (8)			HARDWARE (9)	NOTES (10)
	W	H	D							HEAD	JAMB	SILL		
A002	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMC	C5/A-571	B4/A-571	-	-	-
A003	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMC	C5/A-571	B4/A-571	-	-	-
A004	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMC	C5/A-571	B4/A-571	-	-	-
A005	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMC	C5/A-571	B4/A-571	-	-	-
A006.1	6'-0"	7'-0"	1 3/4"	AL02	AL	-	SG	-	AN	C2/A-571	B1/A-571	A1/A-571	-	-
A006.2	6'-0"	7'-0"	1 3/4"	AL02	AL	-	SG	-	AP	C2/A-571	B1/A-571	A1/A-571	-	-
A006.3	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMA	C5/A-571	B5/A-571	-	-	-
A007	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMC	C5/A-571	B4/A-571	-	-	-
A008	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMC	C5/A-571	B4/A-571	-	-	-
A009	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMC	C5/A-571	B4/A-571	-	-	-
A010	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMC	C5/A-571	B4/A-571	-	-	-
A011	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMC	C5/A-571	B4/A-571	-	-	-
A012	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMA	C5/A-571	B5/A-571	-	-	-
A012	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMA	C5/A-571	B5/A-571	-	-	-
A013	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMA	C5/A-571	B5/A-571	-	-	-
A015	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMA	C5/A-571	B5/A-571	-	-	-
A016	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMA	C5/A-571	B5/A-571	-	-	-
A017	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMC	C5/A-571	B5/A-571	-	-	-
A019.2	3'-0"	7'-0"	1 3/4"	AL04	SC	-	45 MIN	-	HMC	C5/A-571	B4/A-571	-	-	-
A021	3'-0"	7'-0"	1 3/4"	WD01	SC	-	-	-	HMA	C5/A-571	B5/A-571	-	-	-

GENERAL NOTES

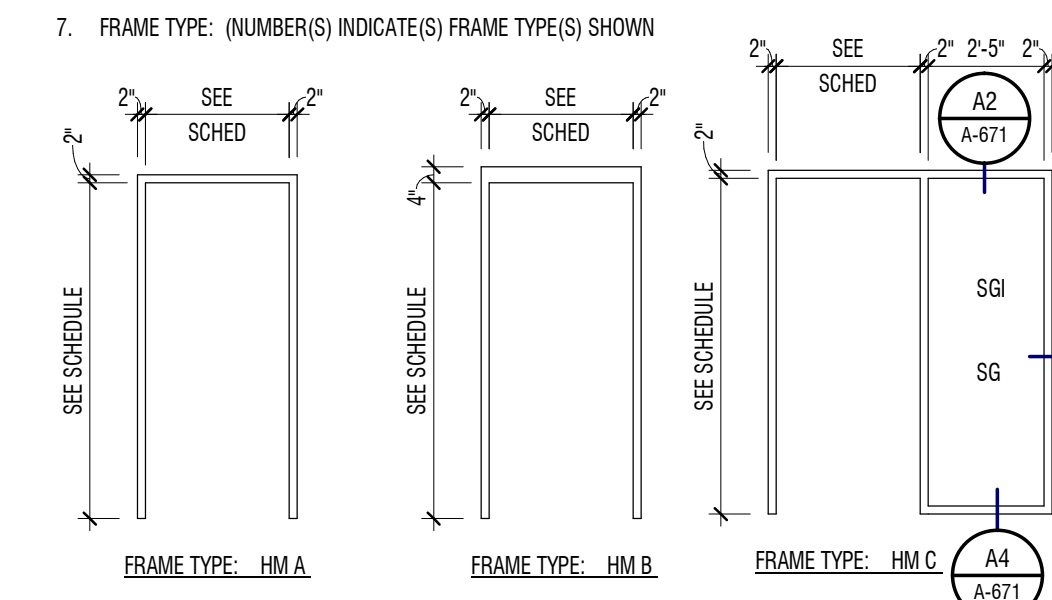
- PROVIDE SEALANT AT JOINTS AT DISSIMILAR MATERIAL CONNECTIONS. ISOLATE DISSIMILAR METALS.
- ALL DIMENSIONS FOR DOOR AND WINDOW OPENINGS TO BE FIELD VERIFIED PRIOR TO MANUFACTURING AND INSTALLATION.
- ALL WINDOWS AND TRANSOMS THAT OCCUR IN RATED CORRIDOR WALL TO BE RATED 45 MIN.
- FIELD VERIFY ALL OPENINGS PRIOR TO FABRICATION OF FRAMES.
- PRE-PAINT ALL FRAMES PRIOR TO INSTALLATION.
- BRILLE SIGNAGE REQUIRED ON STRIKE SIDE OF FRAME.

SCHEDULE NOTES

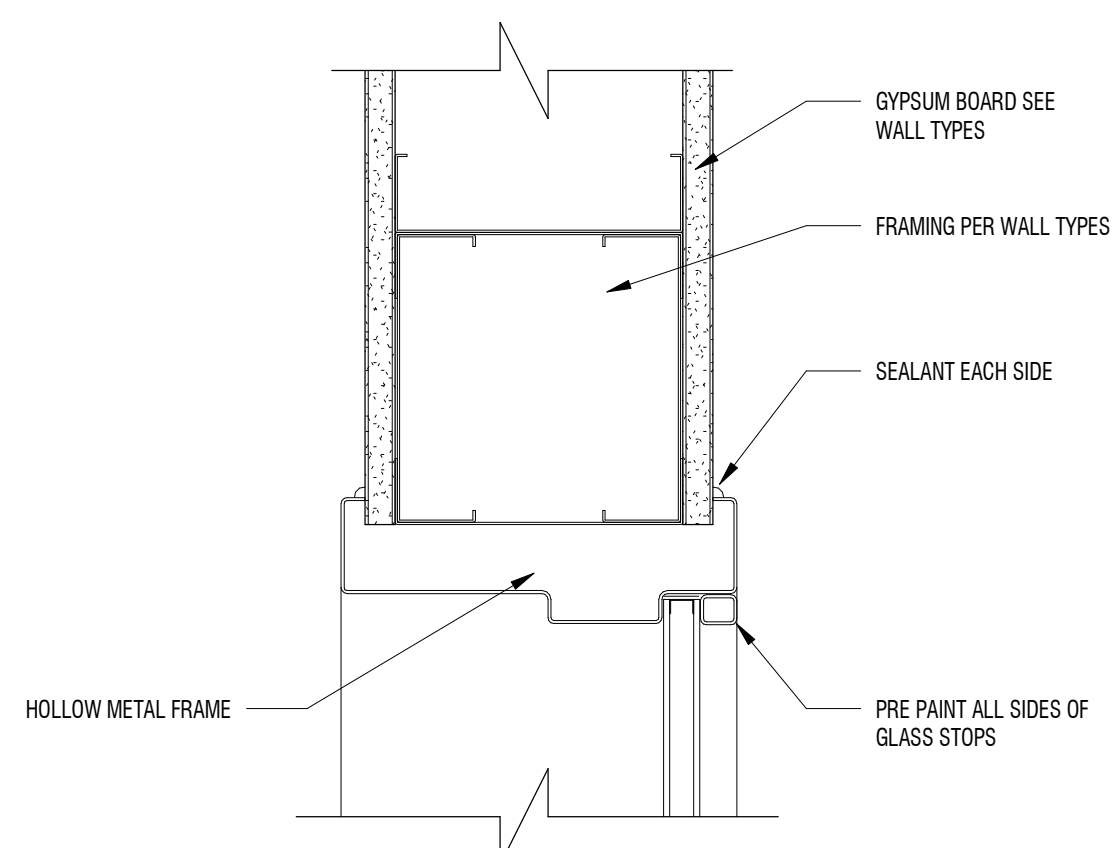
- IF SCHEDULE FIELD SHOWS A HYPHEN (-) OR IS BLANK, THERE ARE NO ITEMS APPLICABLE OR IS DETERMINED BY MANUFACTURER.
- SWING LINES SHOWN BELOW ARE REPRESENTATIONAL AND DO NOT INDICATE ACTUAL SWING. SEE PLANS FOR INDIVIDUAL SWINGS.



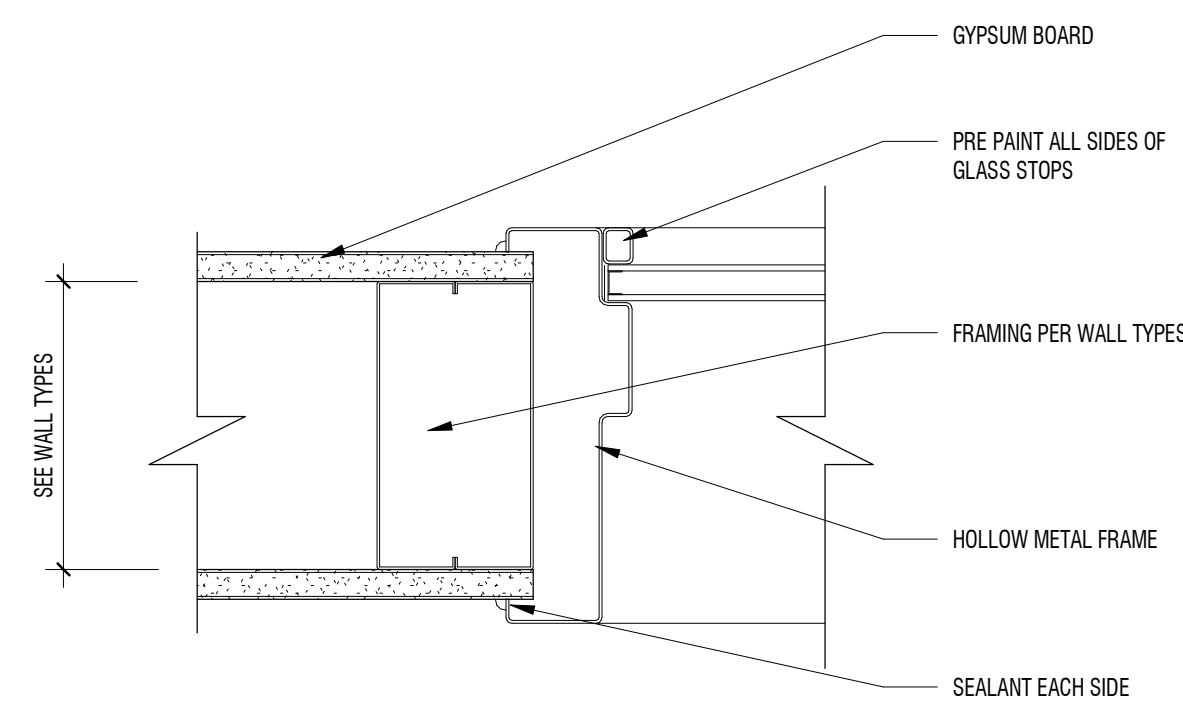
- CONSTRUCTION:
GL GLASS
AL ALUMINUM
HM HOLLOW METAL INSULATED
HM HOLLOW METAL
SC SOLID CORE
- FINISH: SEE DOOR FINISHES ON SHEET A-691
- GLAZING: (DOOR AND WINDOW)
SG SAFETY GLASS (TEMPERED OR LAMINATED)
SGI SAFETY GLASS INSULATED, LOW E
CG CLEAR FLOAT GLASS
CGI CLEAR FLOAT GLASS INSULATED - LOW E
SP SPANDREL PANEL
- RATING: 20, 45, 60 AND ETC. INDICATES FIRE RATING
NOTE: ALL FIRE RATED DOORS SHALL BE AUTOMATIC CLOSING OR SELF-CLOSING AS PROVIDED IN THE IBC. IN ADDITION SEE THE IBC FOR SPECIAL PROVISIONS RELATING TO DOORS.
- FRAME TYPE: (NUMBER(S) INDICATE(S) FRAME TYPE(S) SHOWN



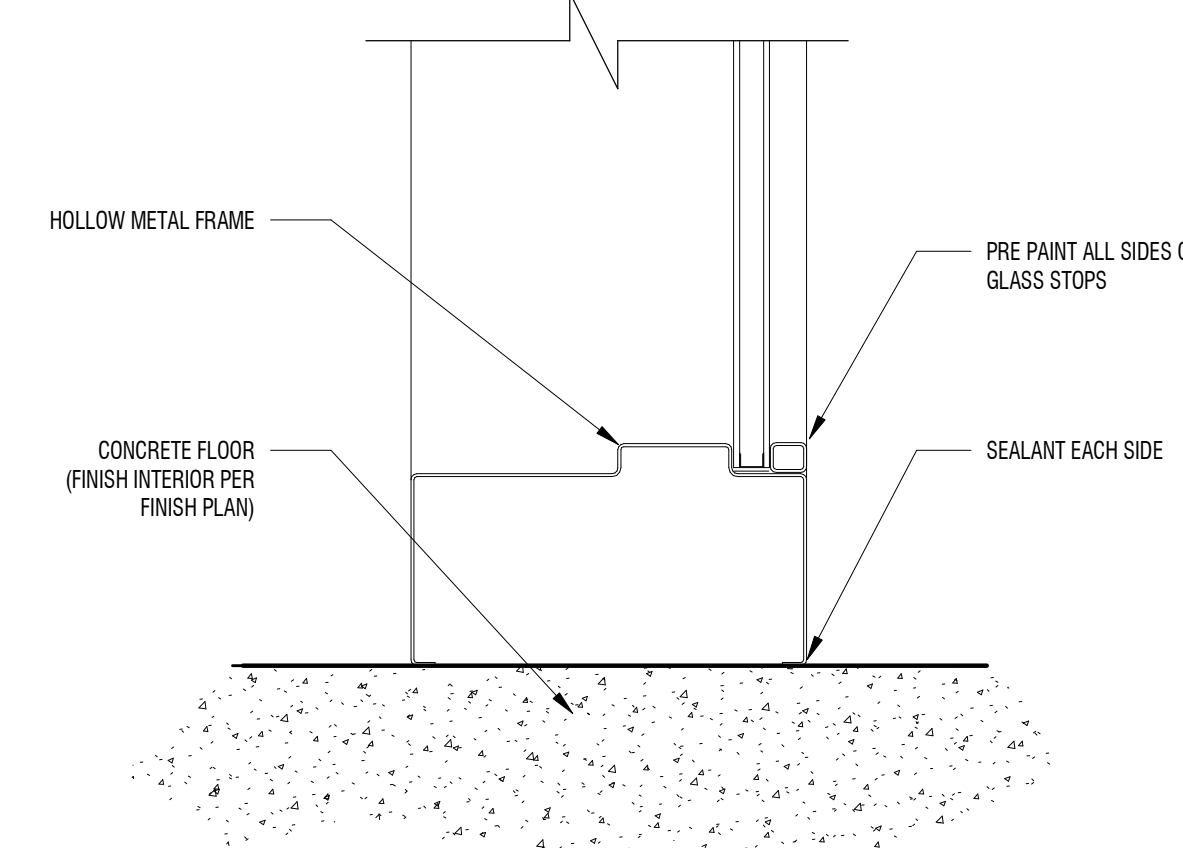
- DETAILS: (REFER TO SHEETS INDICATED FOR DOOR AND WINDOW DETAILS)
- HARDWARE: (GROUP #, SEE SPECIFICATIONS FOR HARDWARE GROUPS)
- NOTES:
A: ADA ACTUATOR (INDICATED ON PLAN)
B: KEY-CARD ACCESS
C: PROVIDE CONDUIT FOR FUTURE KEY-CARD ACCESS



A2 HEAD DETAIL
3" = 1'-0"



A3 JAMB DETAIL
3" = 1'-0"



A4 SILL DETAIL
3" = 1'-0"

NOT FOR CONSTRUCTION

NORTH LOGAN CITY - CIVIC CENTER
APPROXIMATELY 2515 N 600 E
NORTH LOGAN, UT
NORTH LOGAN CITY

DESCRIPTION:	
MARK:	
DATE:	
PROJECT #:	821239
DRAWN BY:	NIELSON
CHECKED BY:	ZETTERQUIST
ISSUED:	03.30.2022

DOOR SCHEDULE & TYPE NOTES

A-671

FINISH SCHEDULE

FINISH COMBINATIONS

CEILING COMBINATIONS

MARK: 1A
DESCRIPTION: CL1 + CL2

WALL COMBINATIONS

MARK: 2A
DESCRIPTION:

RESTROOM WALLS: T4, TR1 ON TOP AND ANY EXPOSED EDGES; TR-2 AT FLOOR; EP1 ABOVE TILE; PLUMBING WALLS: 6" AFF; OTHER WET WALLS 5" AFF; END ON FULL HEIGHT TILE

2B

ELEVATOR WALL FINISHES: STEEL SHELL VERTICAL PANELS; PLASTIC LAMINATE - WALNUT FIBERWOOD 8915, STAINLESS STEEL REVEALS & BASE; 2" FLAT BAR HANDRAIL - STAINLESS STEEL; STAINLESS STEEL CEILING - DOWNLIGHT WLED.

FLOOR COMBINATIONS

MARK: 3A
DESCRIPTION:

T1 + T2 MIXED AT 66% T1 AND 33% T2; RANDOM MIX

MILLWORK GROUPING

MARK: 4A

UPPER CABINETS: MF1
BACKSPLASH: 4" TO MATCH COUNTER
COUNTERTOP: CT1
FRONT EDGE STYLE: AWS WATERFALL - MITERED
BASE CABINETS: MF1
HARDWARE: MH1
FRAME CONSTRUCTION: FRAMELESS
DOOR INTERFACE STYLE: FLUSH OVERLAY
NOTES: COUNCIL ROOM

4B

MF2
4" TO MATCH COUNTER
CT1
AWS WATERFALL - MITERED
MF2
MH1
FRAMELESS
FLUSH OVERLAY
OPEN OFFICE

4C

MF3
4" TO MATCH COUNTER
CT1
AWS WATERFALL - MITERED
MF3
MH1
FRAMELESS
FLUSH OVERLAY
BREAKROOM

DOOR FINISHES

MARK: 5A

DOOR FINISH: WHITE MAPLE; STAINED A WALNUT COLOR
FRAME FINISH: PAINTED P3
HARDWARE COLOR: MATTIE BLACK
NOTES: COUNCIL ROOM & EXECUTIVE CONFERENCE

5B

WHITE MAPLE; CLEAR
PAINTED P3
MATTIE BLACK
ALL DOORS UNLESS NOTED OTHERWISE

STAIR FINISHES

MARK: 6A

RISER FINISH: C3
TREAD FINISH: C3
STRINGER FINISH: P2
GUARDRAIL FINISH: P2
HANDRAIL FINISH: P2
NOTES: TR-3 FOR STAIR NOSINGS



A1 ELEVATOR CAB FINISHES

12" = 1'-0"

NOT FOR CONSTRUCTION

MARK:	DATE:	DESCRIPTION:

PROJECT #: 821239
DRAWN BY: CHILDERS
CHECKED BY: ZETTERQUIST
ISSUED: 03.30.2022

4/1/2022 12:42:18 PM Autodesk Docs: 821239 - North Logan City - Civic Center 821239-ALC-CIVIC CENTER-82022_V2_TypicalMark.rvt

GENERAL NOTES

- KEYNOTES: # THE FIRST TWO NUMBERS REPRESENT THE RELATED CSI MASTER FORMAT DIVISION. THE SECOND SET OF NUMBERS REPRESENTS AN IDENTIFYING MARK VALUE. NOT ALL VALUES MAY BE USED OR OCCUR IN THE DOCUMENT SET.
- ADDITIONALLY, KEYNOTES RETAIN THEIR ASSIGNED VALUE UNIVERSALLY THROUGHOUT THE SET. THE KEYNOTES LISTED BELOW, REPRESENT THE KEYNOTES FOUND AND UTILIZED ON THIS SHEET AND EACH LIST WILL DIFFER RESPECTIVE TO ITS SHEET. THEREFORE, BASED ON ACTUAL KEYNOTES UTILIZED ON A GIVEN SHEET OF DRAWINGS, GAPS IN THE SEQUENCING WILL OCCUR.
- CONTRACTOR SHALL BE FAMILIARIZED WITH THE LAY-OUT OF STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS. ANY QUESTIONS SHALL BE SUBMITTED VIA REQUEST FOR INFORMATION (RFI).
- ALL INTERIOR DIMENSIONS ARE TO FROM FACE OF STUD / MASONRY. ALL EXTERIOR DIMENSIONS ARE TO FROM FACE OF GRID FOUNDATION. DIMENSIONS MARKED "CLEAR" OR "CLR" ARE FROM FACE OF FINISH TO FACE OF FINISH AND SHALL BE MAINTAINED AND CANNOT BE FIELD ADJUSTED WITHOUT PRIOR APPROVAL OF THE ARCHITECT.
- MIN CLEARANCE REQUIRED ON LATCH SIDE OF DOORS SHALL CONFORM TO ADA REQUIREMENTS
- HINGE SIDE OF DOORS AT PERPENDICULAR WALLS TO HAVE 3" STUD SECTION U.N.O.
- BLOCKING TO BE PROVIDED AT SHELVING, CASEWORK, RAILINGS, LIGHT FIXTURE, COUNTERTOP, ACCESSORIES AND MORE PER A2/A-512, TYP.
- PROVIDE 5/8" PLYWOOD BACKING PANELS AT ELECTRICAL ROOMS AND TELEVISION LOCATIONS FOR EQUIPMENT MOUNTING. PAINT TO MATCH WALLS.
- WALL TYPES SHOWN AS ARE SHOWN ON SHEET A-511. FOR OTHER WALLS SEE BUILDING AND WALL SECTIONS. FOR STANDARD STEEL STUD DETAILS SEE A-512.
- AT RECESSED CABINETS (ELECTRICAL PANELS, FEC AND ETC) IN FIRE RATED WALLS PROVIDE 5 SIDE COVERAGE OF GYP BD IN STUD WALLS TO MAINTAIN INTEGRITY OF FIRE WALL RATING PER C4/A-513.
- ALIGN FURRED WALLS AND STUD WALL FINISH FACE TYPICAL. U.N.O.
- ADA RESTROOMS MUST COMPLY WITH ADA WATER CLOSET MEASUREMENTS ON SHEET A-531.
- SEE CODE PLAN FOR LOCATION SMOKE AND FIRE RATED PARTITIONS, AND SOUND WALL LOCATIONS.
- EXTEND ALL WALLS SURROUNDING AN OPEN CEILING AREA TO DECK.

KEYNOTES

MARK	DESCRIPTION
#	

LEGEND

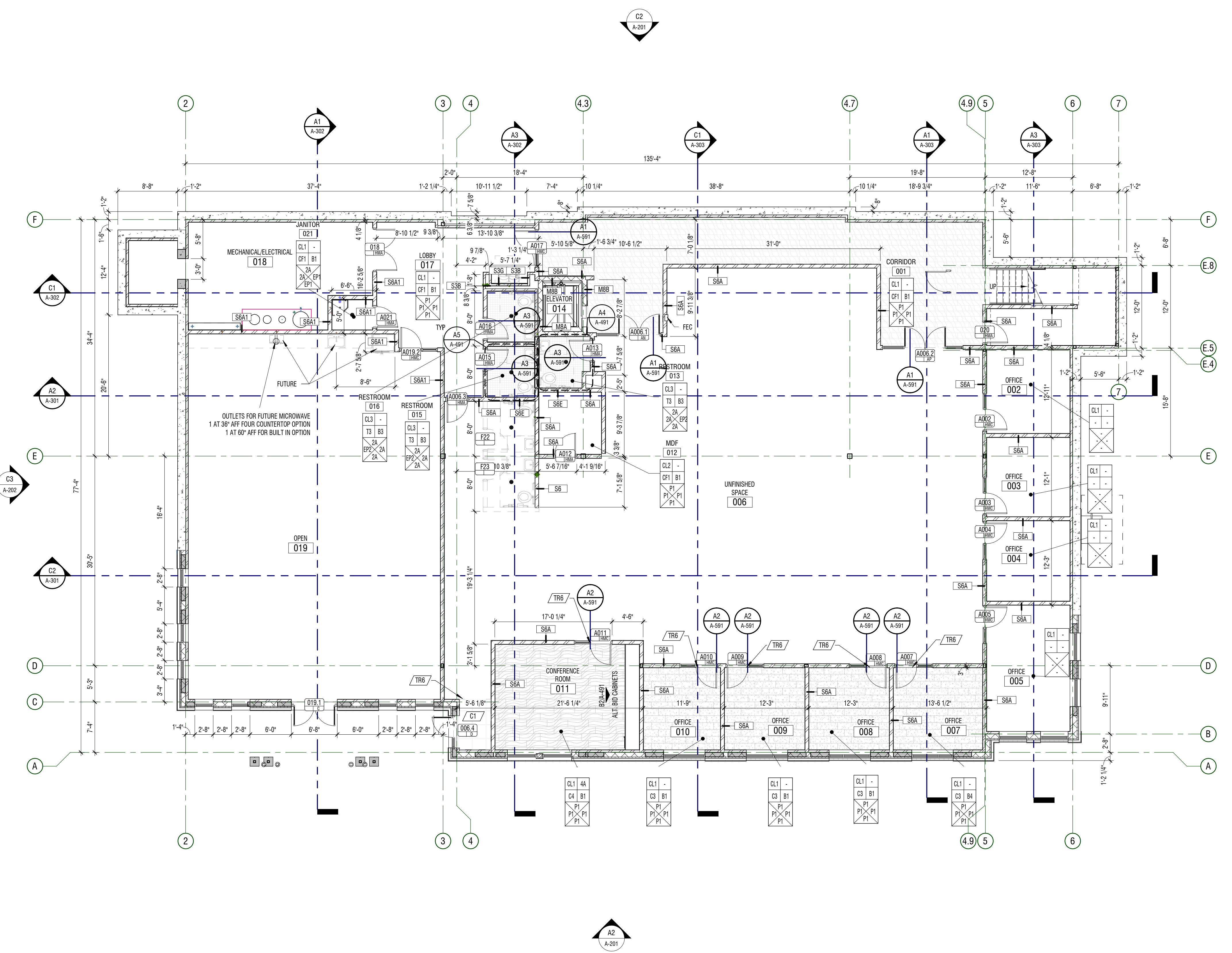
	NEW CONSTRUCTION
	FUTURE CONSTRUCTION

MARK: _____ DATE: _____ DESCRIPTION: _____

PROJECT #: 821239
 DRAWN BY: NIELSON
 CHECKED BY: ZETTERQUIST
 ISSUED: 03.30.2022

NOT FOR CONSTRUCTION

BID ALT 1 - BASEMENT PLAN
A-801



A1 PLAN - DIMENSION (BID ALT 1)
 1/8" = 1'-0" BASEMENT

4/1/2022 12:42:20 PM Autodesk Docs: 8021239 - North Logan City - Civic Center 8021239-ALC-CIVIC CENTER-R002_V2_Typemark.rvt

GENERAL NOTES

- KEYNOTES: (#) THE FIRST TWO NUMBERS REPRESENT THE RELATED CSI MASTER FORMAT DIVISION. THE SECOND SET OF NUMBERS REPRESENTS AN IDENTIFYING MARK VALUE. NOT ALL VALUES MAY BE USED OR OCCUR IN THE DOCUMENT SET.
- ADDITIONALLY, KEYNOTES RETAIN THEIR ASSIGNED VALUE UNIVERSALLY THROUGHOUT THE SET. THE KEYNOTES LISTED BELOW, REPRESENT THE KEYNOTES FOUND AND UTILIZED ON THIS SHEET AND EACH LIST WILL DIFFER RESPECTIVE TO ITS SHEET. THEREFORE, BASED ON ACTUAL KEYNOTES UTILIZED ON A GIVEN SHEET OF DRAWINGS, GAPS IN THE SEQUENCING WILL OCCUR.
- CONTRACTOR SHALL COORDINATE LAY-OUT OF STRUCTURAL, MECHANICAL, SPRINKLER AND ELECTRICAL. NOTIFY ARCHITECT OF ANY CONFLICTS.
- ALL INTERIOR DIMENSIONS ARE TO/FROM FACE OF STUD / MASONRY. ALL EXTERIOR DIMENSIONS ARE TO/FROM FACE OF GRID FOUNDATION. DIMENSIONS MARKED 'CLEAR' OR 'CLR' ARE FROM FACE OF FINISH TO FACE OF FINISH AND SHALL BE MAINTAINED AND CANNOT BE FIELD ADJUSTED WITHOUT PRIOR APPROVAL OF THE ARCHITECT.
- SEE A-691 LEGEND FOR FINISH LEGEND
- CEILING HEIGHT IS B.O. FINISHED CEILING HEIGHT ABOVE FINISHED FLOOR
- MEASUREMENTS SPECIFYING "EQ" = EQUAL LENGTH OR WIDTH TO FILL REMAINDER OF LENGTH REQUIRED
- CEILINGS WITH NO DIRECT MEASUREMENTS, ASSUME CEILING TO BE EQUALLY DISTANCED ON ALL SIDES OF ROOM
- FIXTURES IN OPEN TO STRUCTURE AREAS ARE DIMENSIONED FROM WALL OR CENTERLINE OF ROOM
- LIGHT FIXTURES WITH NO DIMENSIONS ARE TO BE CENTERED ON ROOM UNLESS OTHERWISE NOTED
- FIXTURES WITHIN A.C.T. TO BE CENTERED IN GRID UNLESS OTHERWISE NOTED
- FIXTURES ON GRID SHALL BE IN LINE WITH GRID CENTER ON CENTER UNLESS OTHERWISE NOTED
- ROLLER SHADES PER FINISH PLANS, COORDINATE MANUAL AND POWER LOCATIONS WITH THE ELECTRICAL AND FINISH PLANS.
- FIRE SPRINKLER HEADS, MOTION DETECTORS, LIGHT SENSORS, ETC. ARE TO BE CENTERED IN THE PANEL.
- WHERE LIGHTING OCCURS IN SLOPED CEILINGS, CENTER FIXTURES ON SLOPE

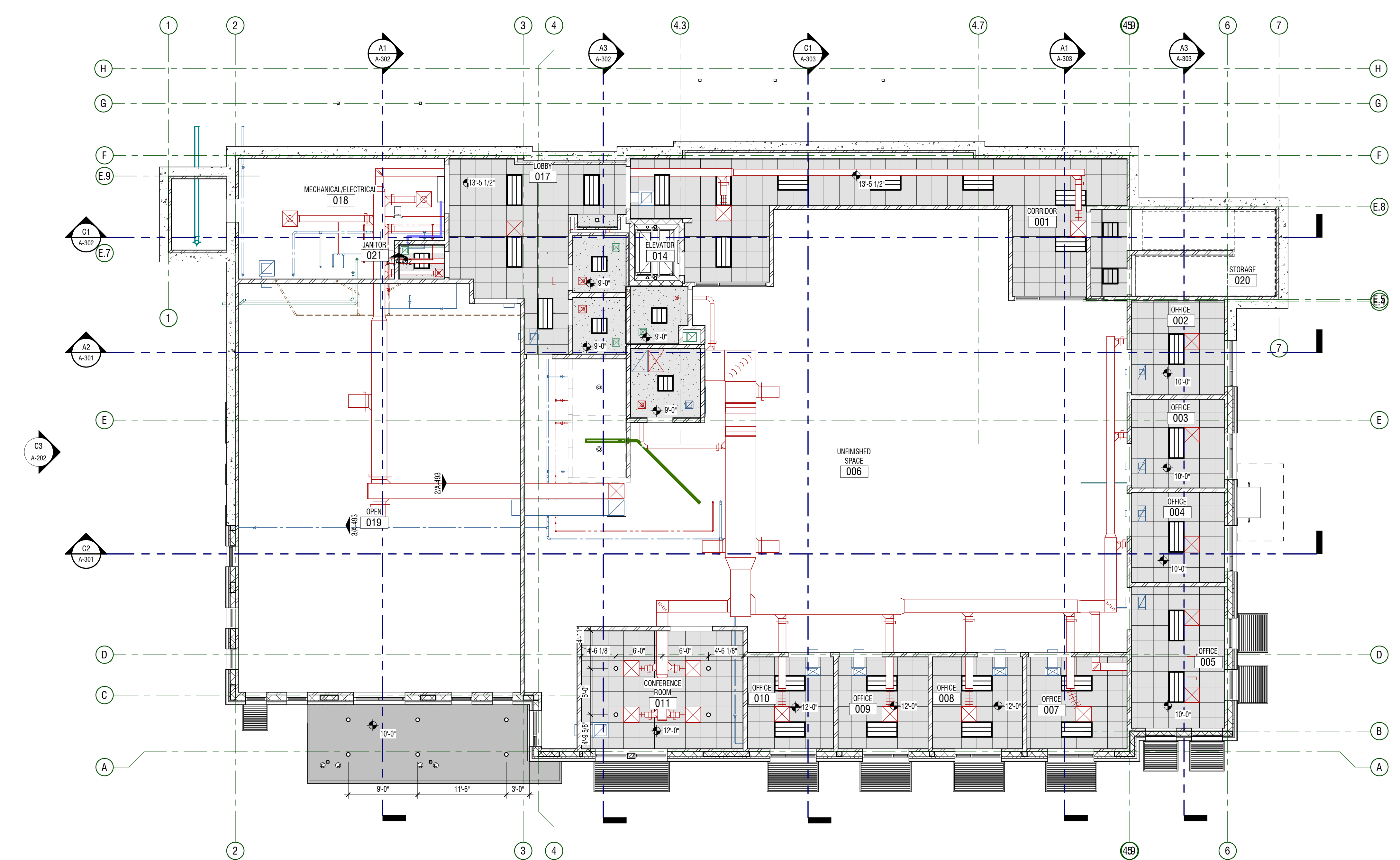
LEGEND

MATERIALS

- 2'-0" x 2'-0" SUSPENDED ACOUSTICAL LAY-IN CEILING SYSTEM
- PAINTED GYPSUM BOARD CEILINGS TYPICAL, U.N.O.

SYMBOLS

- LIGHTING FIXTURES:
2x2 / 2x4 TROFFERS
- LINEAR FIXTURES
- RECESSED FIXTURE
- COVE UPLIGHTING
- SENSORS/SIGNS/ELEC./DATA:
EXIT SIGN - SEE ELECTRICAL DRAWINGS
- OCCUPANCY SENSOR
- AIR GRILLES/ACCESS PANELS:
EXHAUST
- SUPPLY / FRESH
- RETURN / RELIEF
- ACCESS PANEL



A1 PLAN - REFLECTED CEILING (BID ALT 1)
 1/8" = 1'-0" BASEMENT

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION

PROJECT #: 821239
 DRAWN BY: NIELSON
 CHECKED BY: ZETTERQUIST
 ISSUED: 03.30.2022

BID ALT 1 - REFLECTED CEILING PLAN

A-802

4/1/2022 12:42:23 PM Autodesk Docs: 8021239 - North Logan City - Civic Center R3022_V2_Tjytmkxvfk

DUCTWORK/GRILLES

	POSITIVE PRESSURE DUCT - RISE
	POSITIVE PRESSURE DUCT - DROP
	NEGATIVE PRESSURE DUCT - RISE
	NEGATIVE PRESSURE DUCT - DROP
	ROUND DUCT - RISE
	ROUND DUCT - DROP
	UNDER FLOOR DUCT
	TURNING VANES
	CEILING SUPPLY DIFFUSER
	CEILING RETURN REGISTER
	CEILING EXHAUST REGISTER, (BALANCE TO MATCH SUPPLY IF RETURN CFM IS NOT SHOWN)
	SIDEWALL SUPPLY REGISTER
	SIDEWALL EXHAUST OR RETURN REGISTER
	CEILING SUPPLY DIFFUSER WITH FLEXIBLE DUCT
	CEILING AIR GRILLE WITH FLEXIBLE DUCT
	CEILING RETURN AIR GRILLE W/ SOUND BOOT
	LINEAR DIFFUSER WITH PLENUM AND FLEXIBLE DUCT CONNECTION. NO. OF SLOTS & SIZE OF SLOT ON TOP, ACTIVE LENGTH AND CFM ON BOTTOM
	FLEXIBLE DUCT CONNECTION
	FLEXIBLE DUCT
	FLAT OVAL DUCT WITH FREE AREA DIMENSIONS SHOWN IN INCHES.
	RECTANGULAR DUCT WITH FREE AREA DIMENSIONS SHOWN IN INCHES.
	ROUND DUCT WITH FREE AREA DIMENSIONS SHOWN IN INCHES.
	INCLINED RISE
	INCLINED DROP
	R/W=1. ROUND DUCT SIMILAR TO RECTANGULAR
	RECTANGULAR TO RECTANGULAR OR ROUND TO ROUND DUCT TRANSFORMATION MAXIMUM 15° INCLUDED ANGLE EXCEPT WHERE SHOWN OTHERWISE.
	RECTANGULAR TO ROUND DUCT TRANSFORMATION
	BRANCH DUCT SPLIT WITH 6" WIDTH AND MIN. R=WIDTH OF BRANCH DUCT DOWNSTREAM. ELBOW TURNING VANE OPTIONAL.
	TAP ENTRY AREA EQUALS 150% OF BRANCH AREA
	HIGH EFFICIENCY FITTING
	MANUAL VOLUME DAMPER
	FIRE DAMPER IN DUCT, W/ ACCESS PANEL REQD.
	COMBINATION FIRE/SMOKE DAMPER W/ ACCESS PANEL
	SMOKE DAMPER W/ ACCESS PANEL
	BACK DRAFT DAMPER
	ATC DAMPER
	ACCESS PANEL IN DUCT OR PLENUM
	4-WAY BLOW PATTERN
	3-WAY BLOW PATTERN
	2-WAY BLOW PATTERN
	1-WAY BLOW PATTERN

TOP FIGURES INDICATE NECK SIZE. BOTTOM FIGURE INDICATES CFM.

WITH RESPECT TO AIR FLOW 15° NOMINAL INCLINE WITH RADIUS TURNS=DEPTH OF DUCT.

LEGEND OF MECHANICAL SYMBOLS AND ABBREVIATIONS

PIPING

	SHUT OFF VALVE
	BALL VALVE
	BUTTERFLY VALVE
	GATE VALVE
	GATE VALVE - NON RISING STEM
	ANGLE VALVE
	PROVIDE HOSE END WITH CAP WHERE DISCHARGE GLOBE VALVE
	PLUG VALVE
	SHUT OFF PLUG VALVE FOR USE WITH PRESSURE GAUGE
	CHECK VALVE
	LATERAL STRAINER WITH BLOW-OFF VALVE.
	IS NOT PIPED TO DRAIN REDUCED PRESSURE BACKFLOW PREVENTOR W/ DRAIN PAN
	PRESSURE REDUCING VALVE SELF CONTAINED
	ATC - 2 WAY VALVE
	ATC - 3 WAY VALVE
	CALIBRATED BALANCING VALVE WITH GPM INDICATED
	VENTURI FLOW METER
	FLOW METER ORIFICE
	RELIEF VALVE
	AIR VENT-MANUAL
	AIR VENT-AUTO
	FLOW SWITCH
	TEMPERATURE AND PRESSURE TEST PORT
	THERMOMETER - TEMP RANGE AS INDICATED
	PRESSURE GAUGE WITH SHUT OFF PLUG VALVE
	UNION
	FLANGE
	FLEXIBLE EXPANSION JOINT
	REDUCER
	ECCENTRIC REDUCER
	BRANCH - BOTTOM CONNECTION
	BRANCH - TOP CONNECTION
	BRANCH - SIDE CONNECTION
	RISE OR DROP
	RISER - DOWN (ELBOW)
	RISER - UP (ELBOW)
	PIPE CAP
	ARROW INDICATES DIRECTION OF FLOW IN PIPE
	LEADER INDICATES DOWNWARD SLOPE
	VALVE IN RISE
	90° ELBOW
	45° ELBOW

PLUMBING

	THERMOSTATIC MIXING VALVE
	HOSE BIBB
	FLOOR SINK
	FLOOR DRAIN
	FLOOR CLEAN-OUT OR CLEAN-OUT TO GRADE
	ROOF DRAIN
	DOWNSPOUT NOZZLE
	VENT THRU ROOF
	WATER HAMMER ARRESTOR
	CLEAN-OUT
	FIXTURE FROM LEVEL ABOVE
	DEMOLITION

EQUIPMENT

	UNIT HEATER
	INLINE PUMP
	INLINE PUMP
	FAN

FIRE

	HOSE VALVE
	NRS GATE VALVE WITH SUPERVISION
	FLOW SWITCH
	FIRE RISER
	SPRINKLER HEAD
	FIRE SPRINKLER WATER

ANNOTATIONS

	PLUMBING FIXTURES
	POINT OF CONNECTION
	SECTION TAG - TOP FIGURE IS SECTION NO. BOTTOM FIGURE IS SHEET NO.
	DETAIL TAG - TOP FIGURE IS DETAIL NO. BOTTOM FIGURE IS SHEET NO.
	EQUIPMENT IDENTIFICATION
	KEYED NOTE IDENTIFICATION
	THERMOSTAT

LINETYPES

	DOMESTIC COLD WATER (DCW)
	DOMESTIC HOT WATER (DHW)
	DOMESTIC HOT WATER RETURN (DHW/R)
	EXISTING PIPING
	EXISTING PIPING TO BE REMOVED
	NATURAL GAS
	HEATING HOT WATER RETURN
	HEATING HOT WATER SUPPLY
	MAKE UP WATER
	PUMPED CONDENSATE
	ROOF DRAIN
	ROOF DRAIN OVERFLOW
	REFRIGERANT LIQUID
	REFRIGERANT SUCTION
	SEWER (BELOW GRADE)
	SEWER (ABOVE GRADE)
	SOFT DOMESTIC WATER
	VENT (SEWER)

MECHANICAL PIPING GENERAL NOTES

- PIPING DRAWINGS ARE SCHEMATIC IN NATURE. FIELD VERIFY ALL ROUTING AND COORDINATE WITH ALL OTHER TRADES.
- NO PIPING TO RUN DIRECTLY OVER ELECTRICAL PANELS, MCC'S, VFD'S. ROUTE AROUND AS REQUIRED.
- INSTALL MANUAL AIR VENTS AT ALL HYDRONIC SYSTEM HIGH POINTS.
- INSTALL ALL EQUIPMENT WITH SUFFICIENT CLEARANCE FOR MAINTENANCE PER MANUFACTURER'S RECOMMENDATION. PROVIDE A 24"x24" ACCESS DOOR BELOW EQUIPMENT BOX AND CONTROL VALVES WHERE INSTALL OVER HARD CEILING AREAS.
- COORDINATE EXACT LOCATION OF T-STATS WITH ARCHITECTURAL FURNISHINGS.
- INSTALL A 24"x24" ACCESS PANEL BELOW ALL VALVES, CIRCUIT SETTERS, AND CONTROL VALVES OVER HARD CEILINGS.
- MECHANICAL PIPING TO BE INSTALLED ABOVE DUCTWORK AND EQUIPMENT EXCEPT WHERE SHOWN.
- FIELD VERIFY ALL EQUIPMENT LOCATIONS.
- DETAILS REFERENCE ALL SHEETS.

MECHANICAL GENERAL NOTES

- PROVIDE CD-1 TYPE DIFFUSER, AS SCHEDULED, FOR ALL CEILING SUPPLY DIFFUSERS UNLESS NOTED OTHERWISE. SEE DETAIL 6/M501.
- PROVIDE RG-1 TYPE GRILLE, AS SCHEDULED, FOR ALL CEILING RETURN GRILLES SHOWN AS SUCH. PROVIDE SIZE 22x22, OR 22x10 WITH SOUND BOOT FOR UNDUCTED GRILLES. SEE DETAIL 7/M503.
- PROVIDE EG-1 TYPE GRILLE, AS SCHEDULED, FOR ALL CEILING EXHAUST GRILLES, SHOWN AS SUCH.
- PROVIDE BALANCING DAMPERS AT EACH BRANCH TAKE OFF TO SERVE DIFFUSER OR GRILLE AS WELL AS WHERE INDICATED.
- COORDINATE EXACT LOCATION OF DUCTS WITH STRUCTURAL MEMBERS, LIGHTS, REFLECTED CEILING, CABLE TRAY, PLUMBING, MECHANICAL PIPING, ETC.
- BRANCH DUCTWORK SHALL BE SIZED TO MATCH THE NECK SIZE OF THE DIFFUSER, REGISTER OR GRILLE IT SERVES UNLESS NOTED OTHERWISE.
- INSTALL HARD ELBOWS AS SHOWN. HARD ELBOWS ARE REQUIRED FOR SOUND ATTENUATION.
- INSTALL EQUIPMENT WITH CLEARANCE PER MANUFACTURER'S RECOMMENDATIONS. MAINTAIN PROPER SPACE FOR COIL PULL, CONTROLS, AND MAINTENANCE ACCESS.
- INSTALL TURNING VANES IN ALL SQUARE AND RECTANGULAR LOW PRESSURE DUCTWORK.
- DETAILS REFERENCE ALL SHEETS.
- ALL FIRE DAMPERS ARE 1-1/2 HR RATED, UNLESS NOTED OTHERWISE.
- DO NOT ROUTE DUCTS OR PIPES ABOVE ELECTRICAL PANELS. DO NOT ROUTE DUCTS OR PIPES IN ELECTRICAL ROOMS, EXCEPT DUCTS AND PIPES SERVING THE ROOM.
- IF CONTRACTOR ENCOUNTERS MATERIAL WHICH MAY CONTAIN ASBESTOS, IMMEDIATELY STOP WORK IN THIS AREA AND NOTIFY THE OWNER.
- PROVIDE CEILING ACCESS PANELS AS REQUIRED WHERE MECHANICAL EQUIPMENT, VALVES, VAV BOXES, FIRE DAMPERS, ETC. ARE LOCATED ABOVE INACCESSIBLE CEILINGS.
- ALL DUCT DIMENSIONS ARE INSIDE FREE AREA DIMENSIONS. ADJUST SHEET METAL DIMENSION FOR LINED DUCT.

PLUMBING GENERAL NOTES

- SLOPE PIPING AS FOLLOWS, UNLESS OTHERWISE NOTED. WASTE: BRANCHES 1/4" PER FOOT. WASTE MAINS: 1/8" PER FOOT.
- SLEEVE PIPING THRU WALLS/FOUNDATIONS WHERE REQUIRED.
- PLUMBING DRAWINGS ARE SCHEMATIC IN NATURE. FIELD VERIFY EXACT ROUTING AND COORDINATE WITH ALL OTHER TRADES.
- ALL PIPING IN PLUMBING CHASES TO BE ARRANGED TO ALLOW MAINTENANCE ACCESS.
- NO PIPING TO RUN OVER ELECTRICAL PANELS, VFD'S, OR MCC'S.
- COORDINATE FAN ROOM FLOOR DRAIN LOCATIONS AND COOLING COILS.
- NO FIRE PROTECTION LINE IS TO BE DESIGNED OR INSTALLED PRIOR TO CLOSE COORDINATION WITH ALL OTHER DISCIPLINES. DUCTWORK, MECHANICAL PIPING, AND PLUMBING TAKE PRECEDENCE OVER FIRE PROTECTION PIPING. FAILURE TO COMPLY WILL RESULT IN FIRE PROTECTION REMOVAL AND REINSTALLATION AT THE CONTRACTOR'S EXPENSE.
- SLEEVE/CONFIGURE CMU WALLS FOR EMBEDDED PIPING AND PIPE PENETRATIONS AS REQUIRED.
- REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE MOUNTING HEIGHTS, DIMENSIONS, AND OTHER REQUIREMENTS.
- CONTRACTOR TO VERIFY CONNECTION SIDE OF ADA FIXTURES AND ADJUST ACCORDINGLY.
- LOCATE ALL VENTS MINIMUM 25 FT AWAY FROM AIR INTAKES.
- INSTALL DOMESTIC WATER LINES BELOW DUCTWORK.
- INSTALL A 24"x24" ACCESS DOOR BELOW ALL ISOLATION VALVES AND CIRCUIT SETTERS WHERE MOUNTED ABOVE HARD CEILINGS.
- MOUNT ALL CEILING TYPE ISOLATION VALVES, CONTROL VALVES, CIRCUIT SETTERS, ETC. NEAR CEILING FOR ACCESSIBILITY.
- DETAILS REFERENCE ALL SHEETS.
- EXISTING PIPING SHOWN HAS BEEN TAKEN FROM INFORMATION PROVIDED BY OTHERS. FIELD VERIFY ALL SYSTEMS, SIZES, LOCATIONS, AND ELEVATIONS PRIOR TO STARTING ANY NEW WORK.

MARK	DATE	DESCRIPTION

PROJECT #: 821239
 DRAWN BY: KJM
 CHECKED BY: KJM
 ISSUED: 03.31.2022

NOT FOR CONSTRUCTION

MECHANICAL SYMBOLS LEGEND AND GENERAL NOTES

M001

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**NORTH LOGAN CITY CIVIC CENTER
MECHANICAL SYSTEM NARRATIVE**
SD Submission

March 8, 2021

GENERAL

The mechanical system will be designed to provide a safe, economical, low maintenance type system. All mechanical systems will have a proven track record of high quality and environmental control. The basic mechanical systems will consist of the following:

- Packaged roof-mounted air-handling units (RTU). Each RTU will be equipped with the following features:
 - o Supply and relief air fan systems with variable speed control.
 - o DX cooling section with multi-stage modulation.
 - o Natural gas heating section with multi-stage modulation.
 - o Installed on a roof curb with vibration reduction.
 - o Single zone temperature control.
 - o Building automation system compatible.
 - o Full economizer capable.
- Roof-mounted exhaust fan system.
- Electric unit heaters.
- Gas-fired high efficiency domestic water heater.
- Sensor faucets in restrooms with low consumption plumbing fixtures.

The fire suppression system will be designed in compliance with IFC including Utah's amendments. The fire alarm and detection will be provided by others.

HVAC DESIGN CRITERIA

Comply with the 2018 edition of the International Codes:

- International Building Code (IBC) - 2018
- International Mechanical Code (IMC) - 2018
- International Plumbing Code (IPC) - 2018
- International Fuel Gas Code (IFGC) - 2018
- International Energy Conservation Code (IECC) - 2018
- International Fire Code (IFC) - 2018
- National Electric Code (NEC) - 2018
- All state amendments.

Comply with all applicable local, state, and federal codes and regulations.

HVAC system to comply with the following standards, most current edition:

- ANSI/ASHRAE Standard 62-2018: Ventilation for Acceptable Indoor Air Quality
- ANSI/ASHRAE Standard 55-2018: Thermal Environmental Conditions for Human Occupancy
- ANSI/ASHRAE 90.1-2018: Energy Standard for Buildings
- SMACNA Sheet Metal and Air Conditioning Contractor's National Association Standards

Heating and Cooling Load Calculations: Size the building heating and cooling systems based on undiversified calculated loads for space and process equipment. Include 10% safety factor for the heating load calculations and no safety factor for the cooling load calculations.

Infiltration: Design for 30 MPH wind when calculating infiltration loads and 10% positive building pressurization controls.

Design for Environmental Awareness. The built environment has a profound impact on our natural environment, economy, health, and productivity. Incorporate environmentally friendly solutions in the building design.

DESIGN CONDITIONS

Outside Design Conditions: Use the following climate data from ASHRAE Fundamentals 2017 Climatic Design Information and best practices:

Elevation	4,692 FT
Summer Design Dry Bulb Temp. (ASHRAE 0.4%)	100°F
Summer Mean Coincident Wet Bulb (ASHRAE 0.4%)	65°F
Winter Design Dry Bulb Temp.	-20°F

Indoor Design Conditions: ASHRAE Standard 55

Offices, Conference Rooms, & General Occupancy:

Design Temperature	72 +/- 4°F
Design Humidity	N/A
Ventilation	5 CFM/Person + 0.06 CFM/ft ²

Legislative Chambers:

Design Temperature	72 +/- 4°F
Design Humidity	N/A
Ventilation	5 CFM/Person + 0.06 CFM/ft ²

Mechanical Rooms:

Design Temperature	70-75°F
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Design Humidity	N/A
Ventilation	N/A

Electrical Rooms (General & Network IT-Closets):

Design Temperature	70-75°F
Design Humidity	N/A
Ventilation	N/A
Secondary Cooling Source	DX Split Systems

Fire Riser & Vestibule Spaces:

Year Round	55°F min.	No humidity control.
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Unoccupied (Shelled) Spaces:

Year Round	85°F max.	No humidity control.
Year Round	55°F min.	No humidity control.

Noise Criteria: Design the heating, ventilating and air conditioning systems to meet the ASHRAE Design Guidelines:

1. Open Offices: NC = 25
2. Private Offices: NC = 25
3. Conference Rooms: NC = 25
4. Legislative Chambers: NC = 25
5. Circulation Spaces, Lobbies: NC = 25

Pressure Relationships: Design the heating, ventilating and air conditioning systems to meet the following:

1. Building: Positive to outside.
2. Toilet Rooms: Negative to adjacent spaces & exhausted.
3. Janitor Rooms: Negative to adjacent spaces & exhausted.
4. Break Rooms: Negative to adjacent spaces & exhausted.

VENTILATION REQUIREMENTS

Ventilation will comply with the 2018 IMC & ASHRAE Standard 62.

HVAC & PLUMBING EQUIPMENT

Air Handlers

- o Eight new packaged rooftop air-handling units (RTU) will be utilized for heating, cooling, and ventilation. They shall each be manufactured with a single supply fan, single relief fan, DX cooling coil, natural gas-fired heating section, MERV-8 filters, and powered outside air/relief intake dampers.
- o The supply fan on each RTU will have a direct drive ECM motor with volume modulation for load tracking capability.
- o Each RTU will have a powered relief air fan with a direct drive ECM motor with volume modulation for building pressurization control.
- o The heating & cooling sections of each RTU will have modulation for load matching capability.
- o Each RTU will be installed on a roof curb with vibration reduction.
- o Each RTU will be capable of connecting to the building management system.

Air Distribution

- o Supply air will be distributed to spaces through an insulation-lined, low-pressure duct system leading to ceiling-mounted air diffusers.
- o The return air system will be a plenum return system. Ceiling-mounted return grilles will have sound boots connected to them to help mitigate noise transmission.

General Exhaust

- o The toilet rooms, janitor closets, and break rooms will be exhausted out the roof with roof mounted centrifugal exhausters.
- o The main exhaust duct risers and main runs shall be constructed of galvanized sheet metal. There is no hazardous exhaust in the building.

Data/Comm/Electrical Rooms

- o Primary cooling for these rooms will be provided by the packaged rooftop units.
- o Redundant backup cooling will be provided by Mini-Split DX cooling units.

Electric Ceiling Radiation Heating

- o Electric ceiling-mounted cabinet radiators will be utilized to provide heating in the entry vestibule. Control for these panels will be internal factory-installed thermostats.

Building Automation Controls

- o The building will be furnished with a new Direct Digital Control (DDC) building management system. All packaged rooftop air-handling units, exhaust fans, split-systems, water heaters, and pumps will have DDC controls and be fully viewable from the system front end. This system will provide control and monitoring for all key system components. The DDC system will be accessible from both a maintenance workstation within the building and remote login.

Domestic Cold & Hot Water Services

- o Copper, Type L piping will be utilized throughout for both hot & cold domestic water. A new domestic cold water header will be provided in the basement mechanical room. Backflow prevention will be provided at the point of building entry. Domestic hot water will be provided by a natural gas-fired tank-type hot water heater. The hot water system will be equipped with a recirculation pump and aquastat.

Sanitary Waste

- o Solid Core PVC or cast iron will be permitted.

Roof Drain Piping

- o Cast Iron.
- o PVC will not be permitted.

Fire Protection

- o The building will be equipped with a wet fire sprinkling system.
- o A fire riser station will be provided in the fire riser room.
- o A wall-mounted electric unit heater will be provided in the fire riser room for freeze protection.
- o The temperature in the fire riser room is to be monitored by the DDC system and alarm if approaching freezing temperatures.

D

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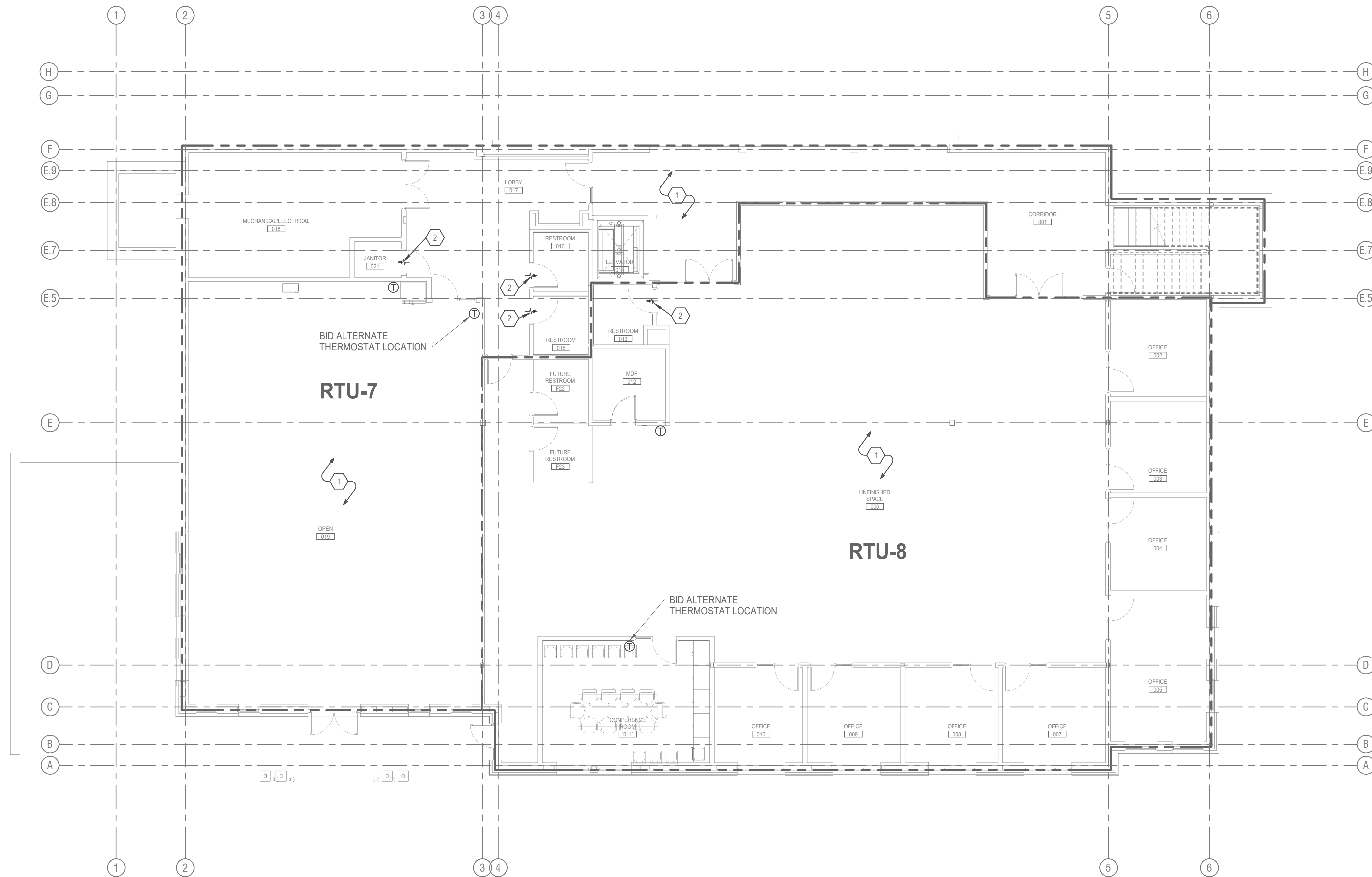
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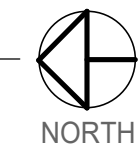
MARK:

PROJECT #:	821239
DRAWN BY:	KJM
CHECKED BY:	KJM
ISSUED:	03.31.2022



- ### KEYED NOTES
- EACH ENCLOSED REGION REPRESENTS AN INDEPENDENT TEMPERATURE CONTROLLED ZONE, TYPICAL.
 - ARROW DEPICTS REQUIRED DIRECTION OF AIRFLOW (PRESSURIZATION) DURING STEADY STATE OPERATION, TYPICAL.

1 BASEMENT HVAC ZONING PLAN
1/8" = 1'-0"

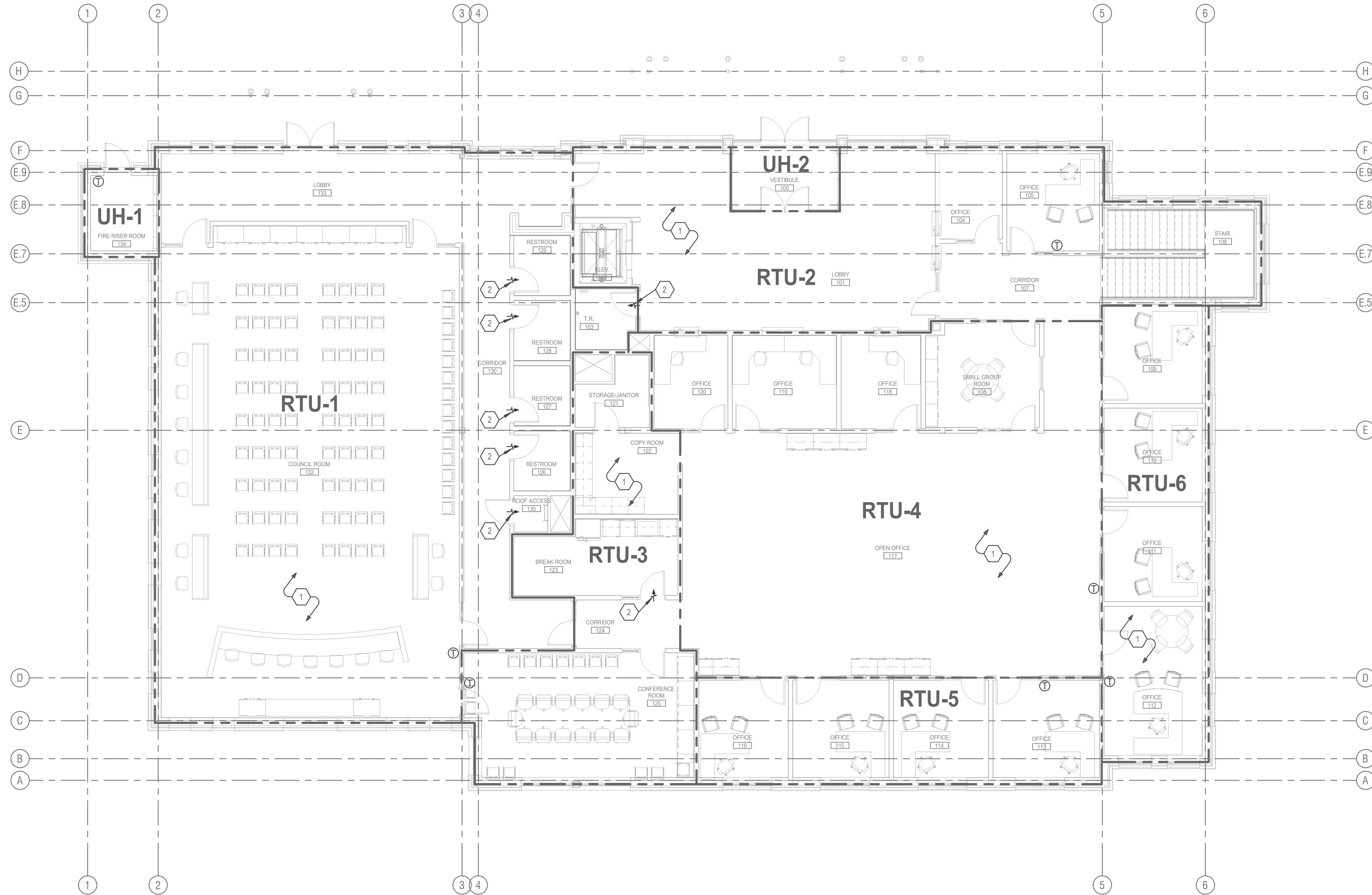


MARK	DATE	DESCRIPTION

PROJECT #: 821239
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CHECKED BY: KJM
ISSUED: 03.31.2022

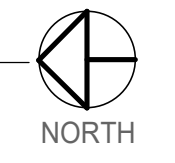
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3/31/2022 2:30:00 PM Autodesk Docs: 821239 - North Logan City - Civic Center (2008) - March 22, 2022



- KEYED NOTES**
1. EACH ENCLOSED REGION REPRESENTS AN INDEPENDENT TEMPERATURE CONTROLLED ZONE, TYPICAL.
 2. ARROW DEPICTS REQUIRED DIRECTION OF AIRFLOW (PRESSURIZATION) DURING STEADY STATE OPERATION, TYPICAL.

1 FIRST FLOOR HVAC ZONING PLAN
1/8" = 1'-0"

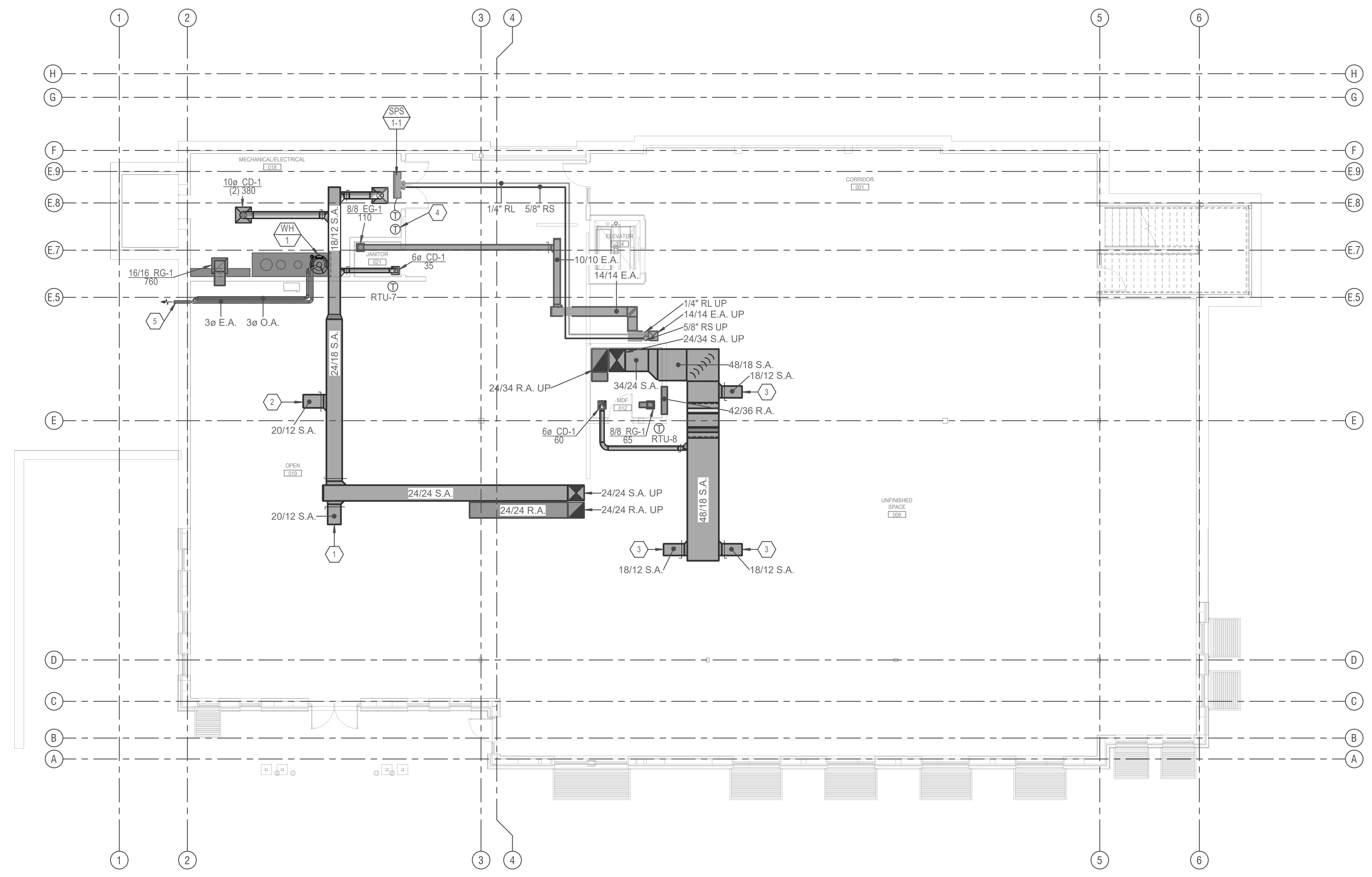


MARK	DATE	DESCRIPTION

PROJECT #: 821239
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1 BASEMENT MECHANICAL PLAN
1/8" = 1'-0"

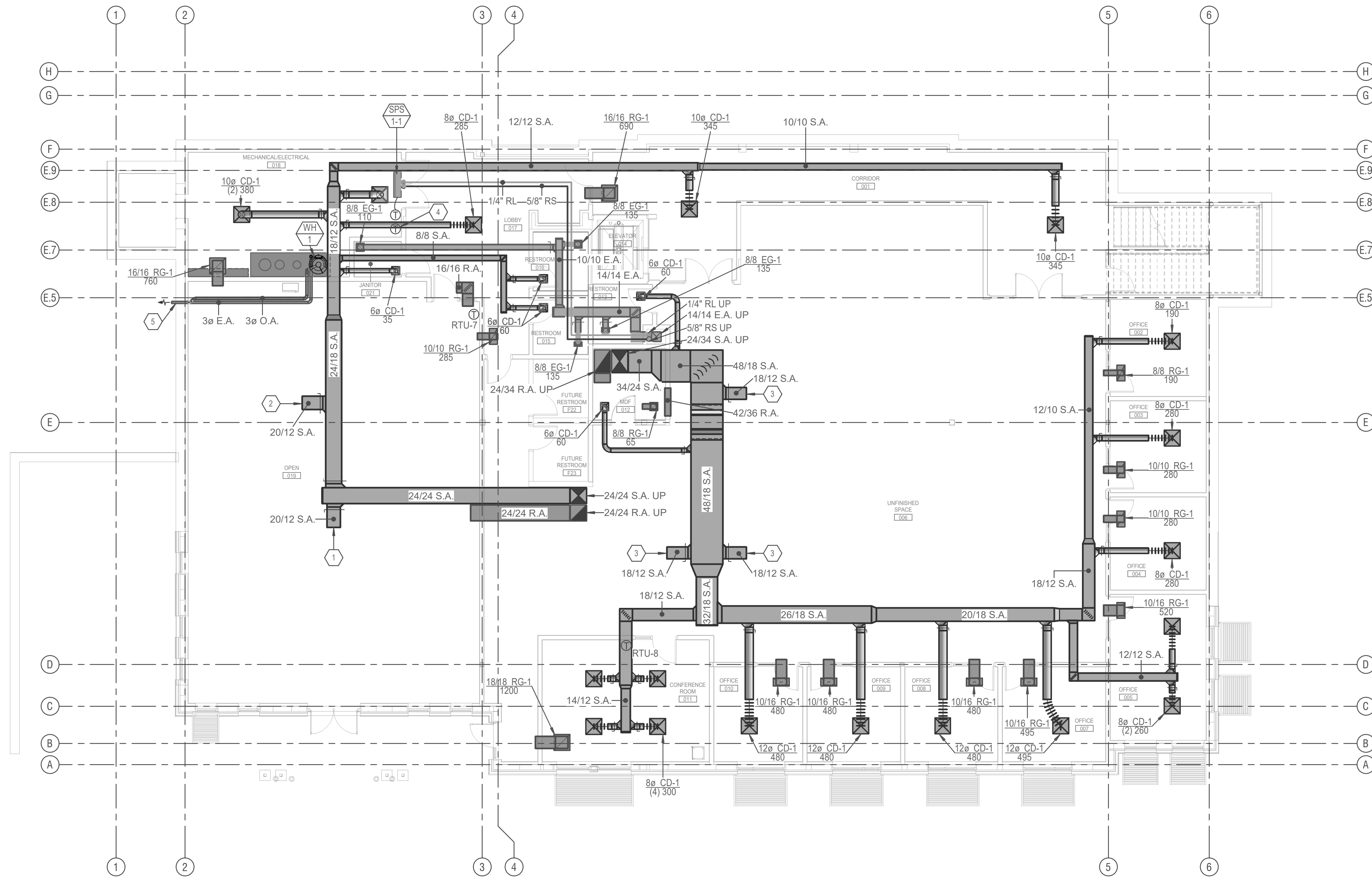
- ### KEYED NOTES
- BALANCE THE SUPPLY AIRFLOW OUT OF THIS DUCT TO 1,300 CFM.
 - BALANCE THE SUPPLY AIRFLOW OUT OF THIS DUCT TO 1,380 CFM.
 - BALANCE THE SUPPLY AIRFLOW OUT OF THIS DUCT TO 1,080 CFM.
 - PROVIDE A SPACE TEMPERATURE SENSOR ON THE WALL IN THIS LOCATION. CONNECT THIS TEMPERATURE SENSOR TO THE BUILDING MANAGEMENT SYSTEM FOR SPACE MONITORING AND ALARMS.
 - INSTALL THE CONCENTRIC VENT KIT FOR THE DOMESTIC WATER HEATER THROUGH THE EXTERIOR WALL IN THIS LOCATION. ENSURE THE EXHAUST OUTLET & COMBUSTION AIR INLET ARE AT LEAST 18" ABOVE GRADE.

MARK	DATE	DESCRIPTION

PROJECT #: 821239
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 CHECKED BY: KJM
 ISSUED: 03.31.2022

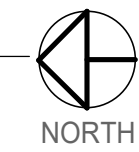
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- ### # KEYED NOTES
- BALANCE THE SUPPLY AIRFLOW OUT OF THIS DUCT TO 1,390 CFM.
 - BALANCE THE SUPPLY AIRFLOW OUT OF THIS DUCT TO 1,380 CFM.
 - BALANCE THE SUPPLY AIRFLOW OUT OF THIS DUCT TO 1,080 CFM.
 - PROVIDE A SPACE TEMPERATURE SENSOR ON THE WALL IN THIS LOCATION. CONNECT THIS TEMPERATURE SENSOR TO THE BUILDING MANAGEMENT SYSTEM FOR SPACE MONITORING AND ALARMS.
 - INSTALL THE CONCENTRIC VENT KIT FOR THE DOMESTIC WATER HEATER THROUGH THE EXTERIOR WALL IN THIS LOCATION. ENSURE THE EXHAUST OUTLET & COMBUSTION AIR INLET ARE AT LEAST 18" ABOVE GRADE.

1 BASEMENT MECHANICAL PLAN - BID ALTERNATE
 1/8" = 1'-0"

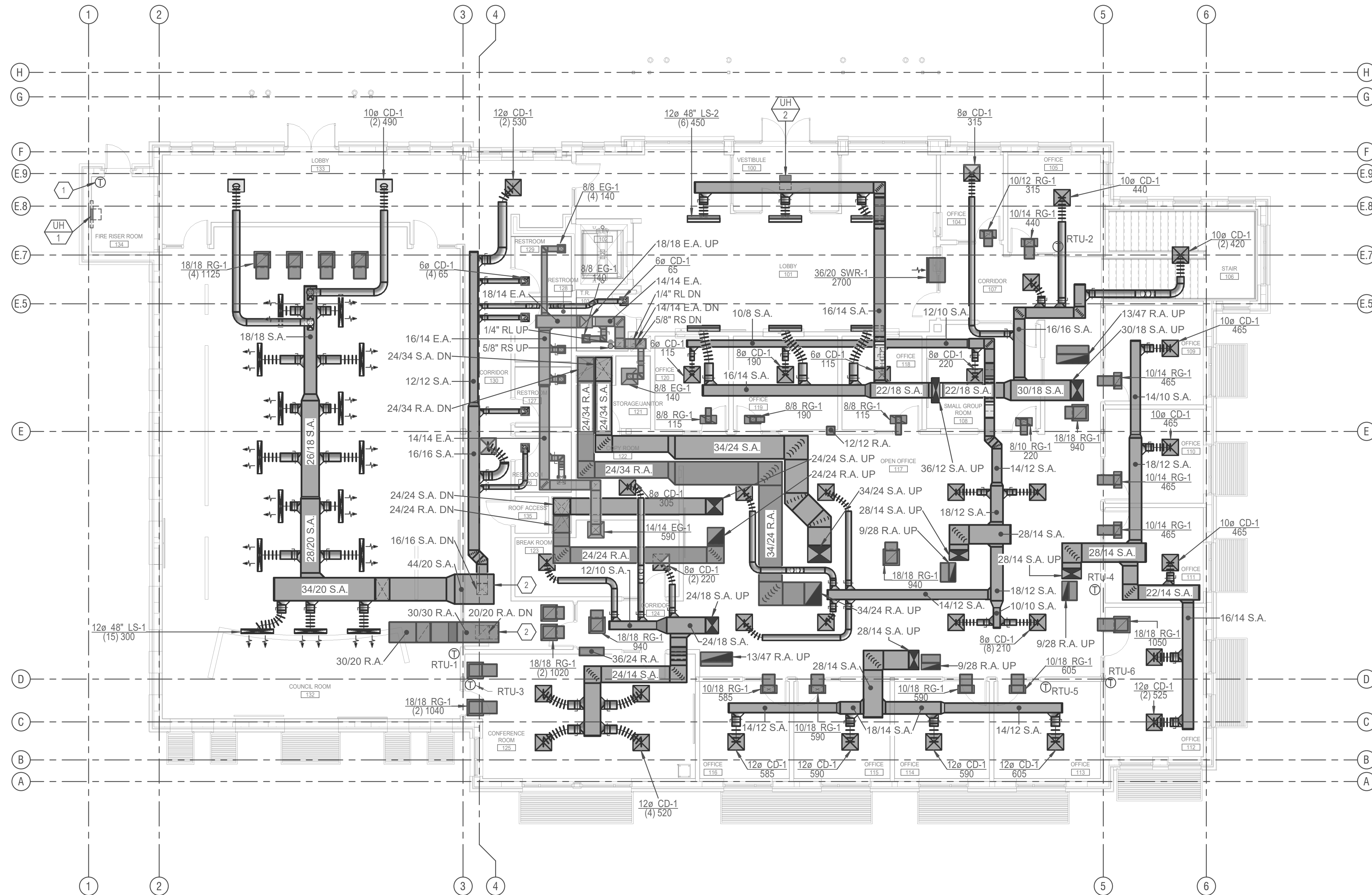


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1 FIRST FLOOR MECHANICAL PLAN
1/8" = 1'-0"

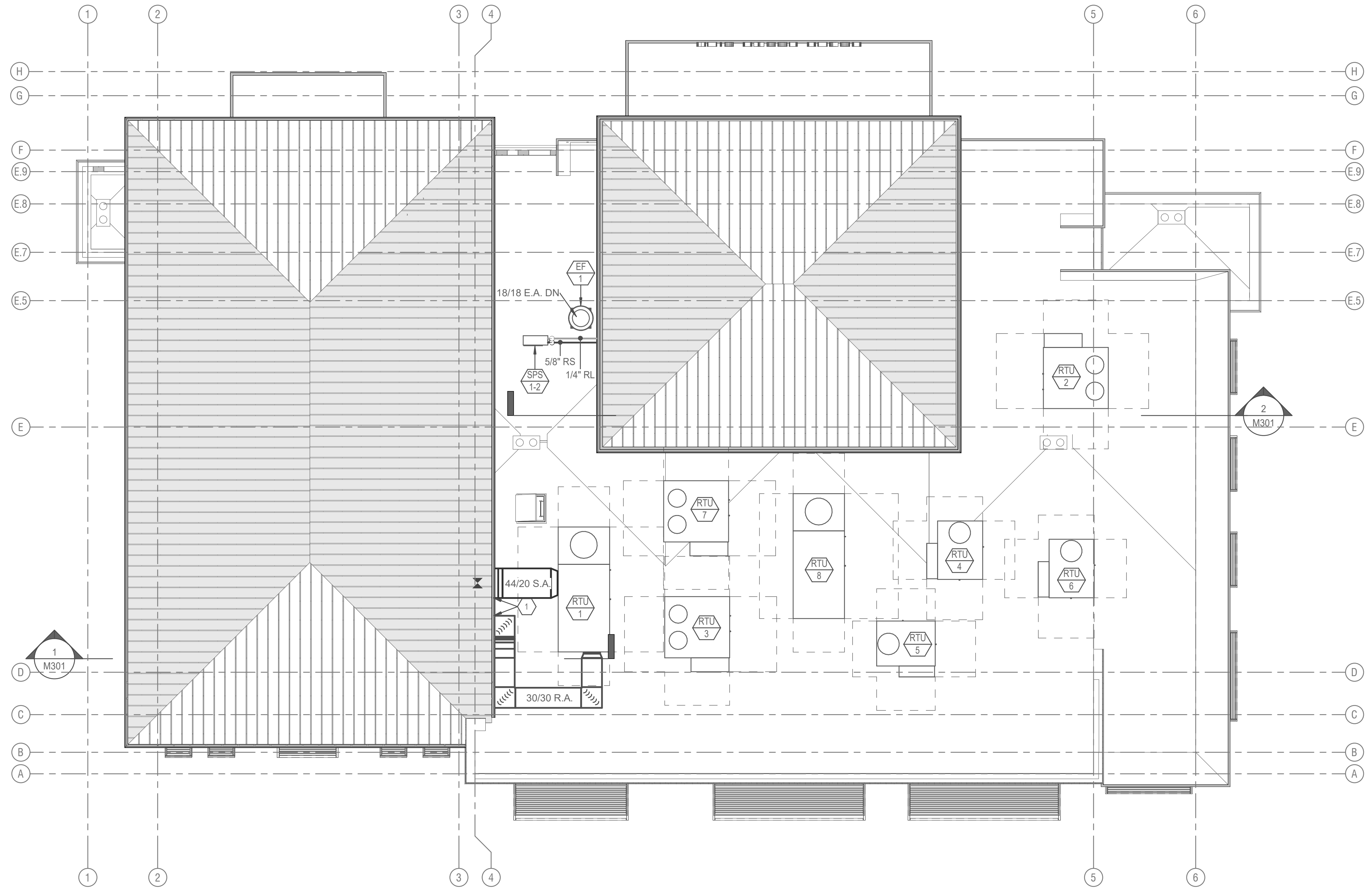
- ### KEYED NOTES
- PROVIDE A SPACE TEMPERATURE SENSOR ON THE WALL IN THIS LOCATION. CONNECT THIS TEMPERATURE SENSOR TO THE BUILDING MANAGEMENT SYSTEM FOR SPACE MONITORING AND ALARMS.
 - THIS SUPPLY DUCT EXTENDS THROUGH THE HIGH SIDE WALL ONTO THE ROOF. REFER TO SHEET M102 FOR THE CONTINUATION.

MARK	DATE	DESCRIPTION

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KEYED NOTES

1. THIS DUCT IS TO PENETRATE THROUGH THE HIGH SIDE WALL OF THE RAISED ROOF AND INTO THE CEILING PLENUM ON THE OTHER SIDE. REFER TO SHEET M101 FOR THE CONTINUATION.

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



MARK	DATE	DESCRIPTION

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 ISSUED: 03.31.2022

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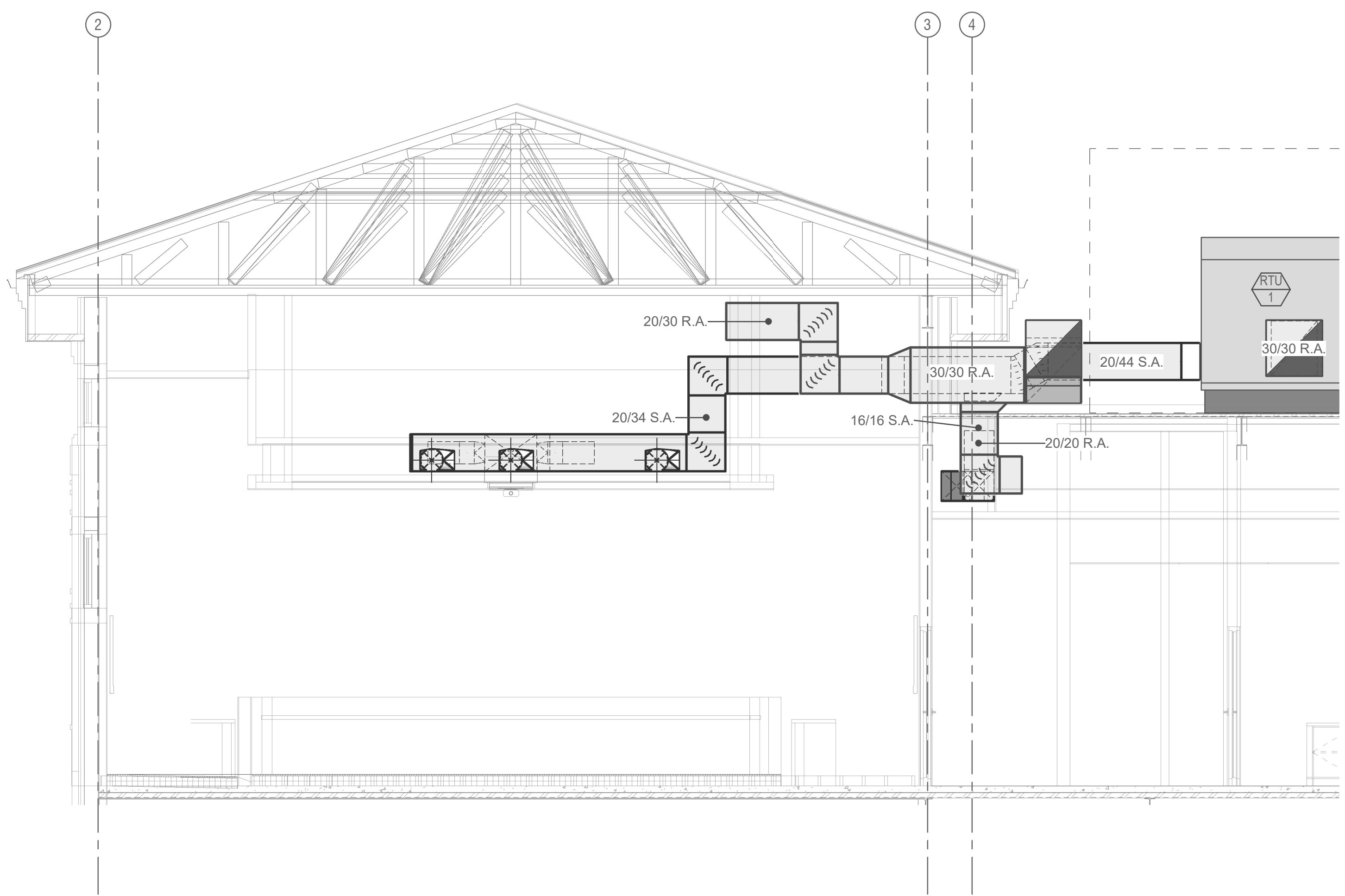
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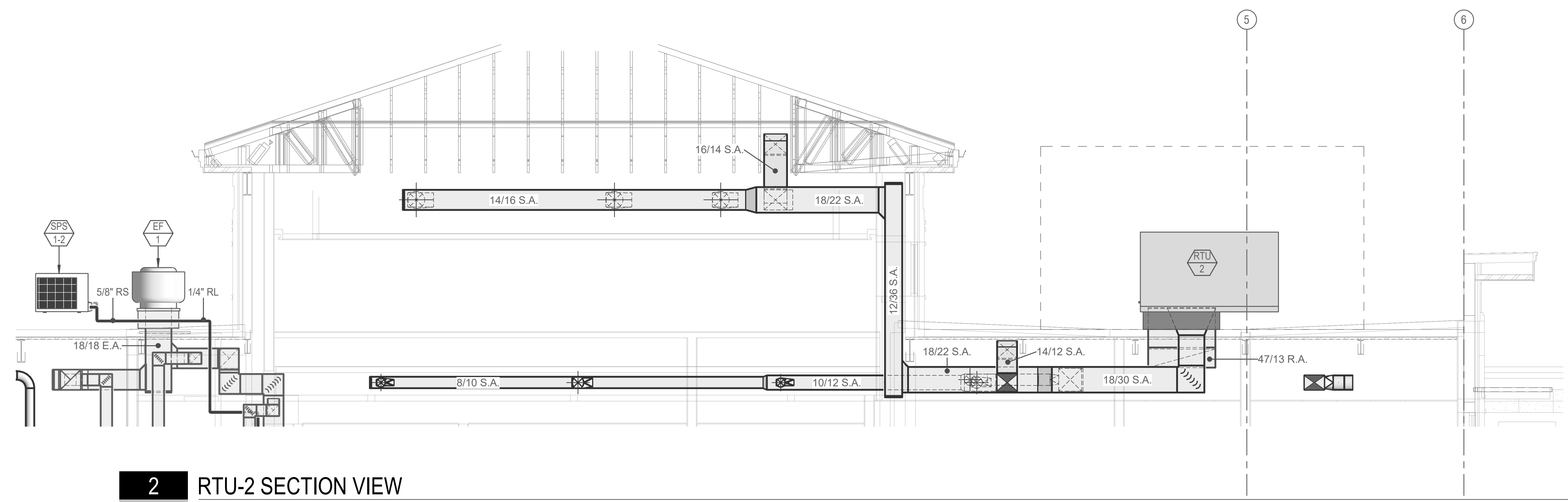
C

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1 RTU-1 SECTION VIEW
1/4" = 1'-0"



2 RTU-2 SECTION VIEW
1/4" = 1'-0"

NOT FOR CONSTRUCTION

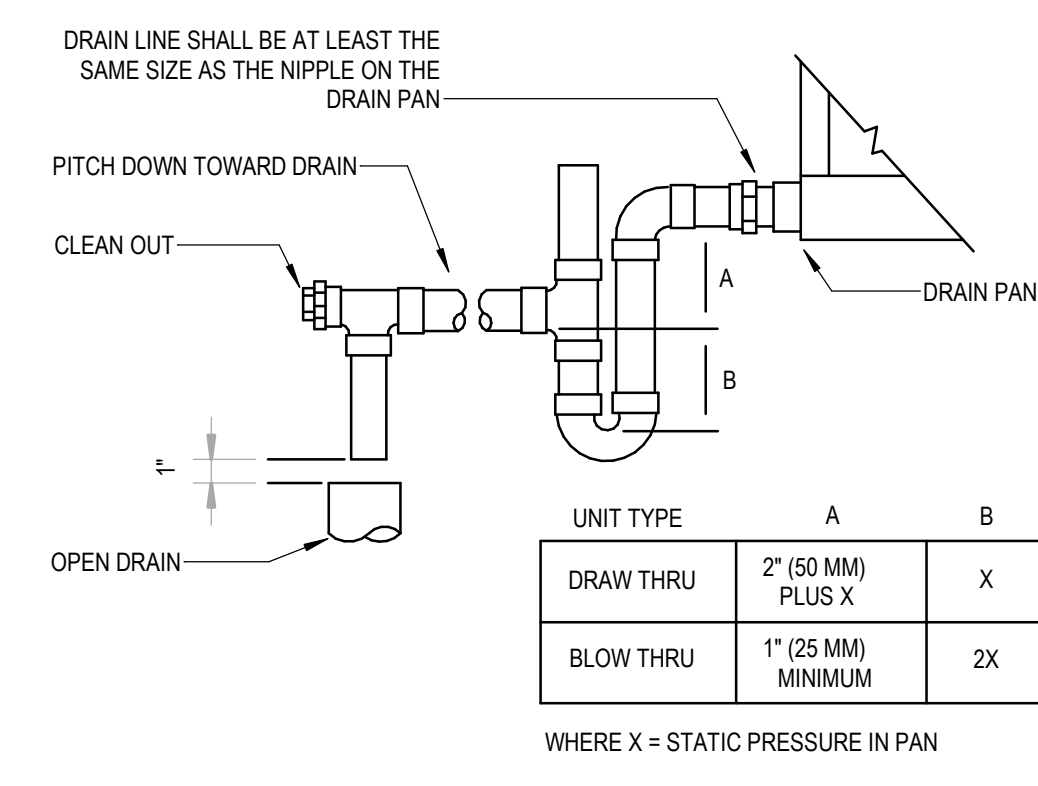
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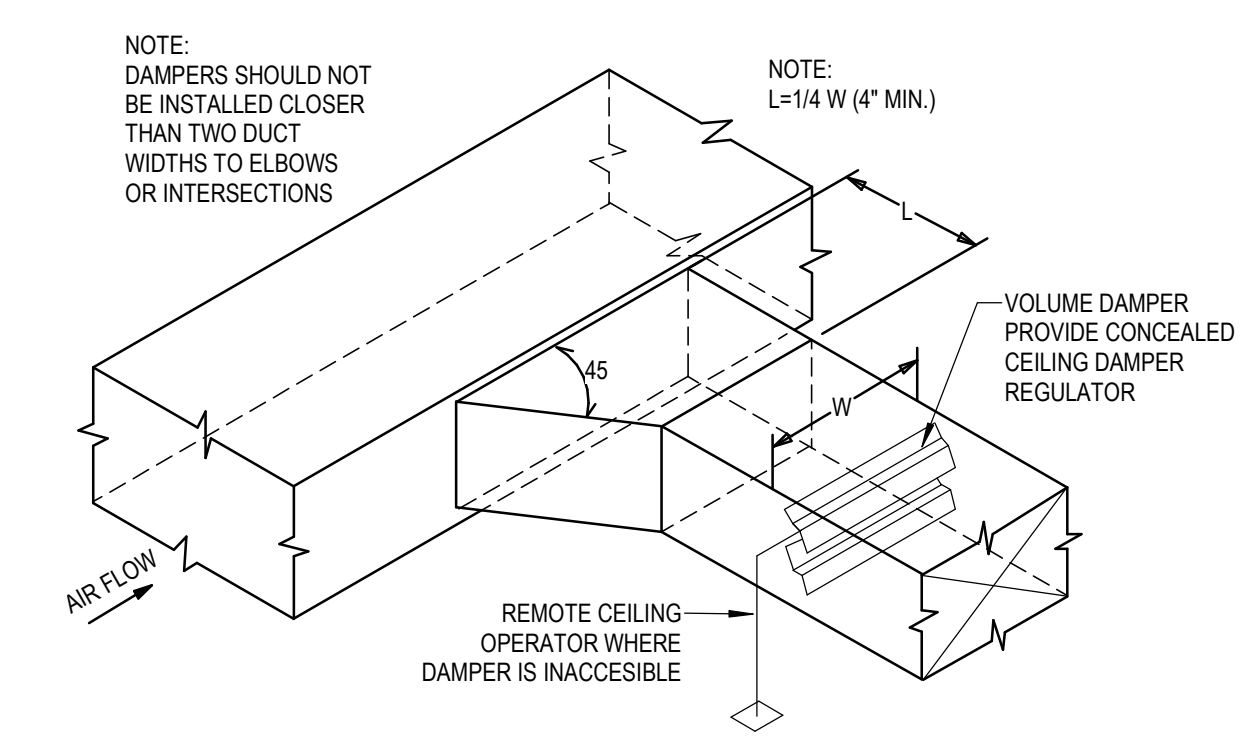
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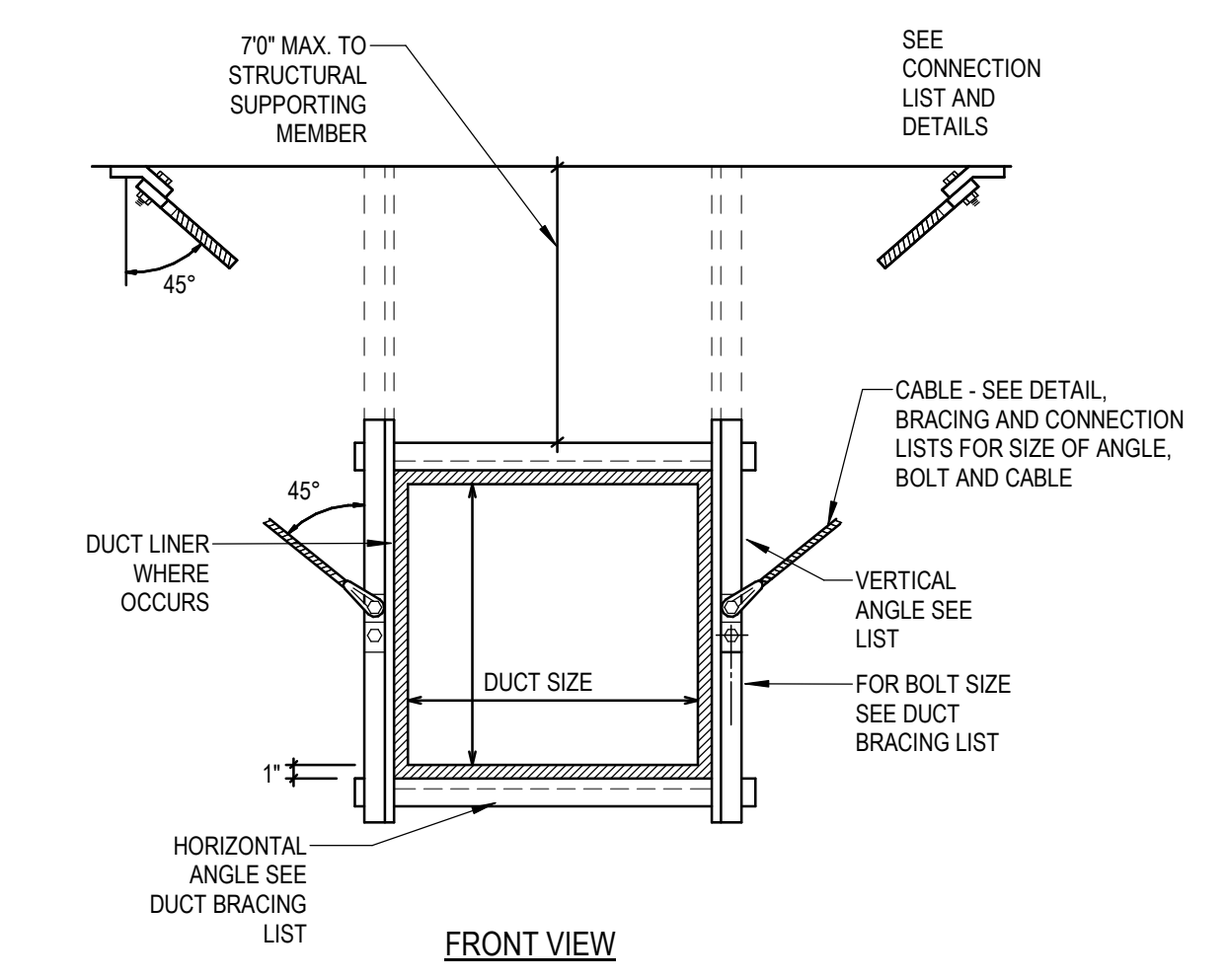
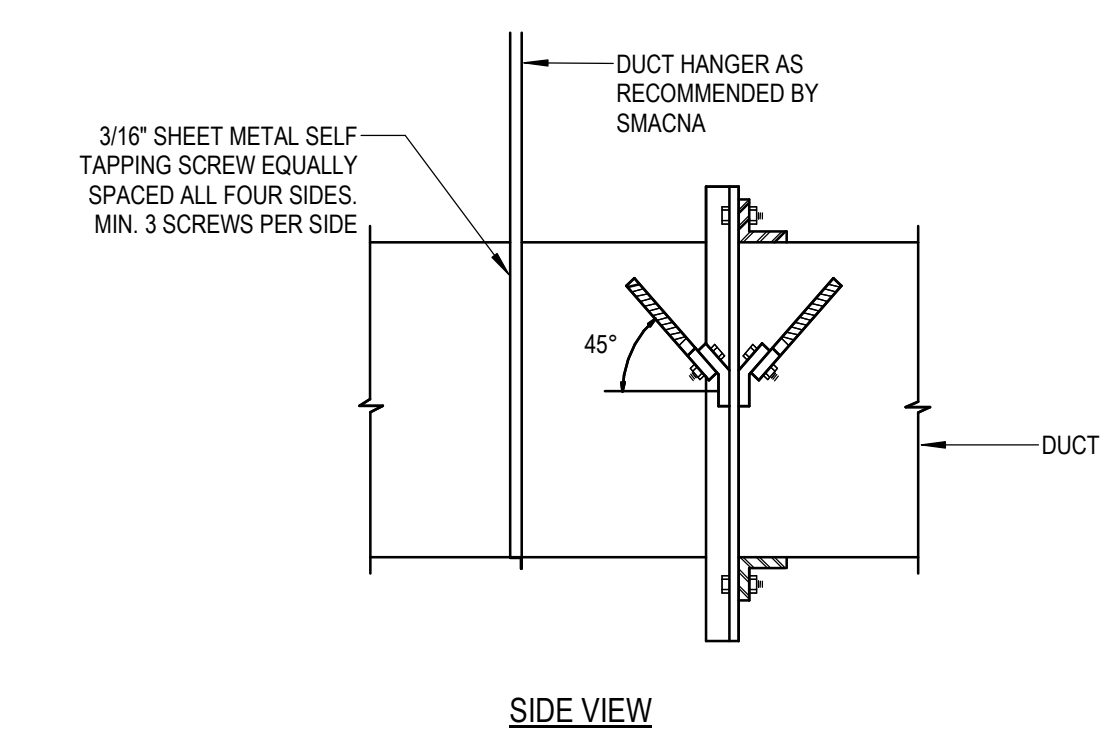
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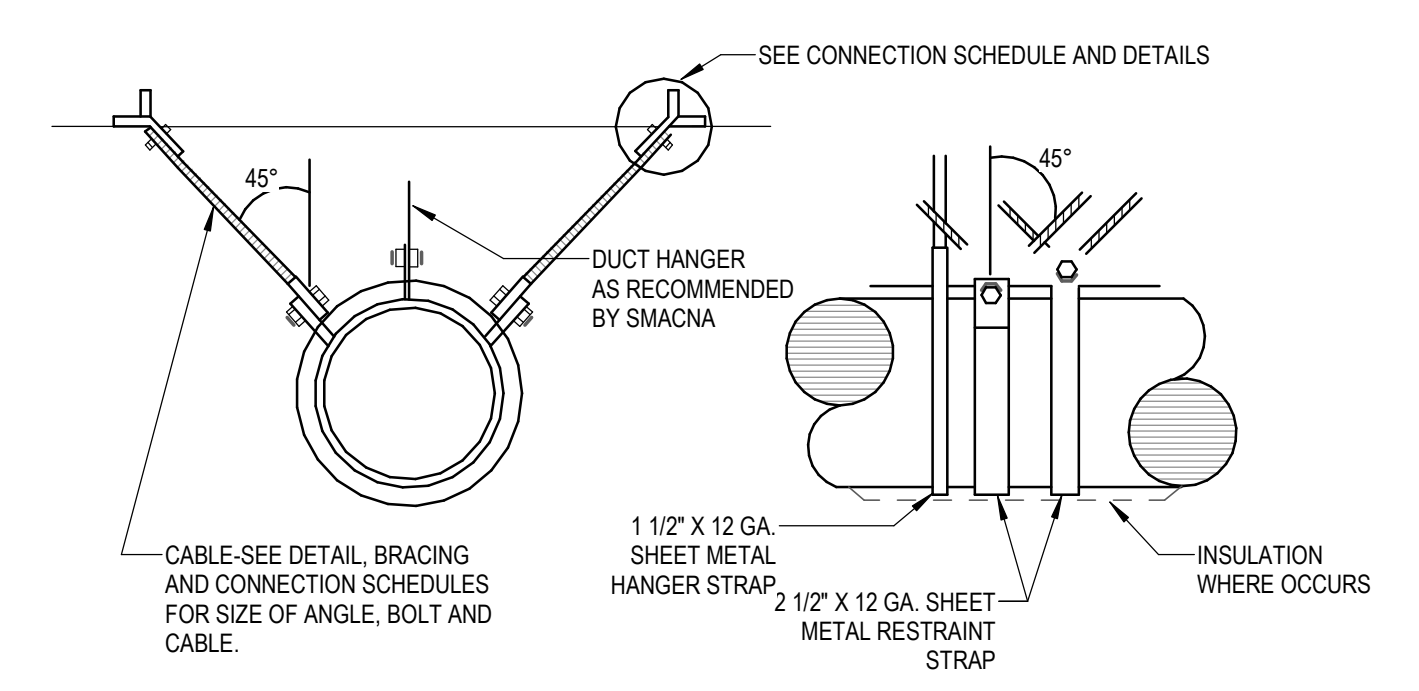
1 AIR HANDLING UNIT DRAIN TRAP
 NTS



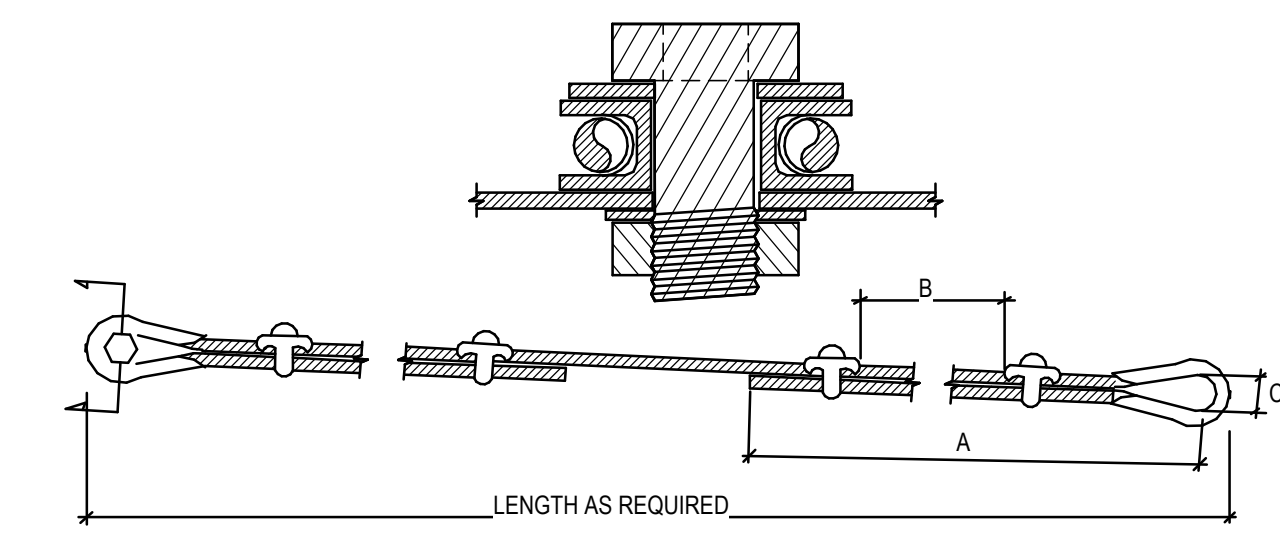
2 BRANCH DUCT TAKE-OFF & DAMPER DETAIL
 NTS



3 CABLE BRACING FOR RECTANGULAR DUCTS
 NTS



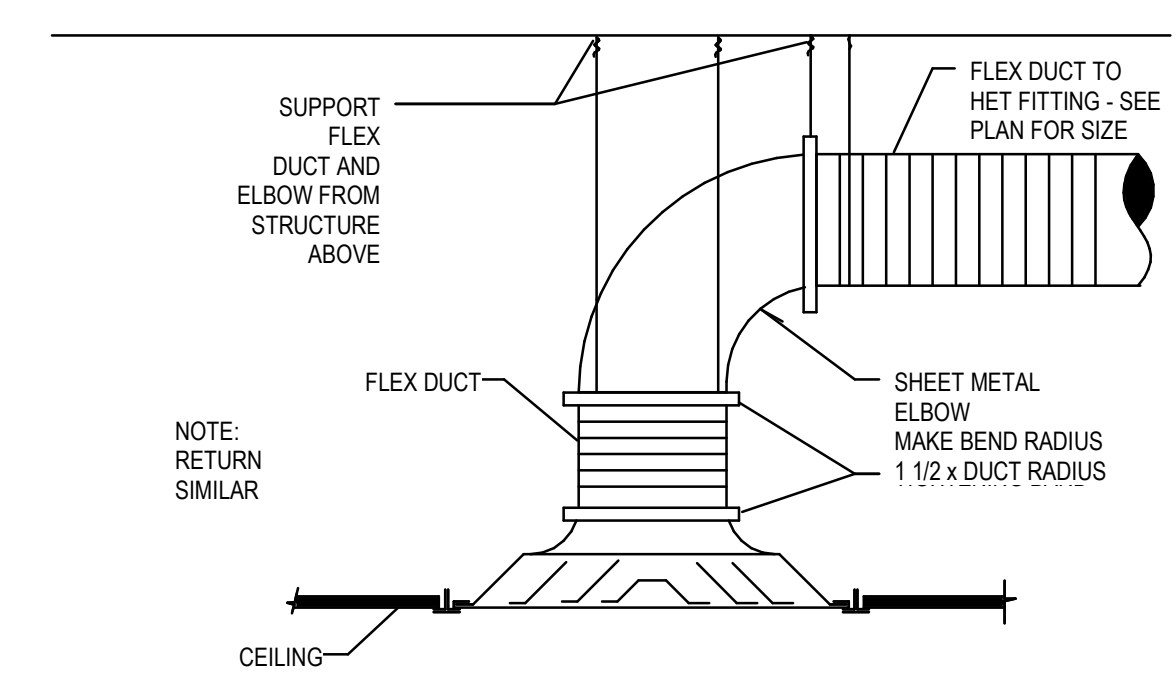
4 CABLE BRACING FOR ROUND AND OVAL DUCTS
 NTS



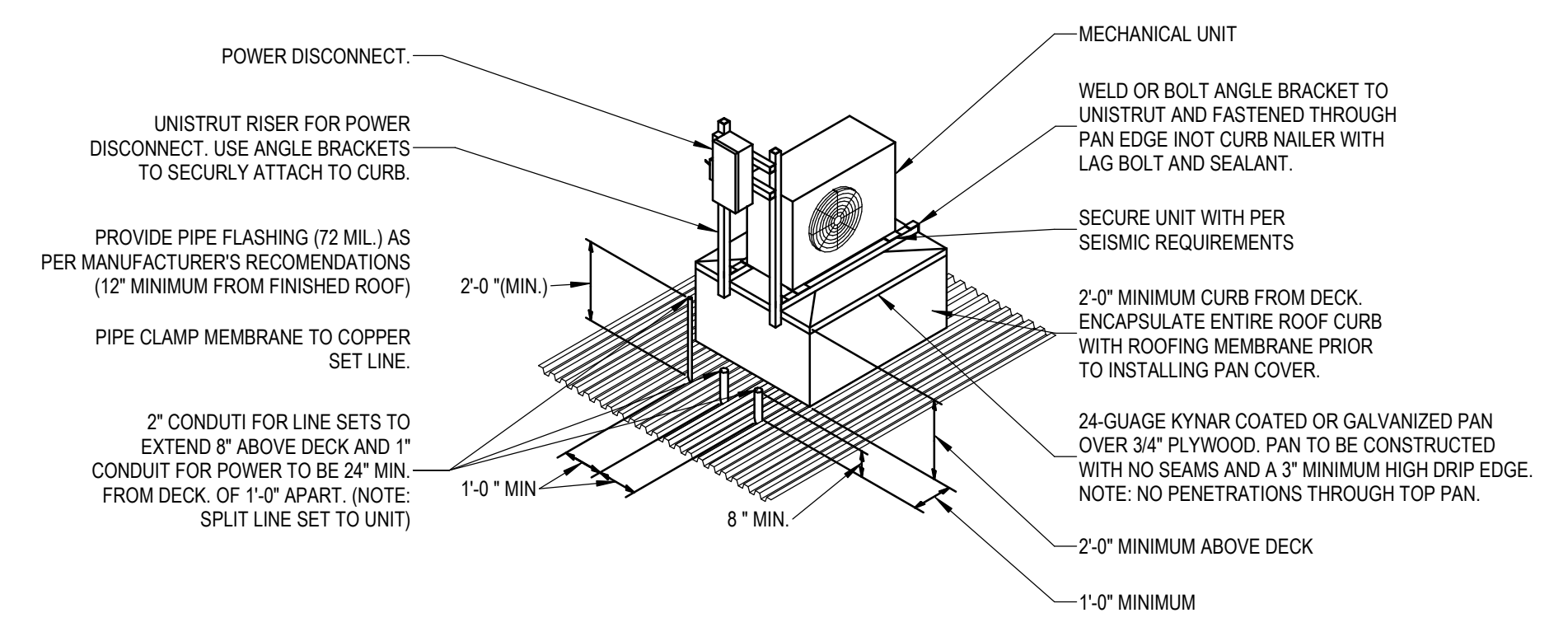
- NOTES:
 1. CABLES, THIMBLES, CLIPS, GROMMETS & FLAT WASHERS ARE TO BE FURNISHED BY RESTRAINT MANUFACTURER. ALL OTHER HARDWARE TO BE PROVIDED BY CONTRACTOR.
 2. ENTIRE SYSTEM TO BE EQUAL TO AMBER BOOTH.
 3. CABLE CLIPS MUST BE ORIENTED AS SHOWN WITH SHORT END OF CABLE ON THE CURVED PART OF THE CLIP.

CABLE SCHEDULE							
CABLE DIA.	CABLE DESIGN	A	B	C	BOLT SIZE	ALLOWABLE LOAD (lb)	BREAKING STRENGTH (lb)
1/8"	7X19 GALV.	5-1/4"	1-5/8"	5/8"	3/8"	660	2000
3/16"	7X19 GALV.	5-3/4"	1-7/8"	5/8"	3/8"	1400	4200
1/4"	7X19 GALV.	6-3/4"	2-3/8"	11/16"	3/8"	2330	7000
5/16"	7X19 GALV.	7-3/8"	2-5/8"	13/16"	5/8"	3260	9800
3/8"	7X19 GALV.	8-7/8"	3-1/4"	1"	5/8"	4800	14400
7/16"	6X19 IWRC	17"	3-5/8"	1"	5/8"	5920	17800
1/2"	6X19 IWRC	18"	3-7/8"	1-1/8"	3/4"	7660	23000

5 CABLE RESTRAINT DETAIL
 NTS



6 DIFFUSER CONNECTION DETAIL
 NTS



7 ROOF MOUNTED SPLIT SYSTEM CONDENSING UNIT DETAIL
 NTS

DUCT BRACING GENERAL NOTES

- DETAILS SHOWN PROVIDE GENERAL GUIDELINES FOR A LATERAL BRACING SYSTEM. A TYPICAL VERTICAL SUPPORT SYSTEM MUST ALSO BE USED.
- BRACE ALL RECTANGULAR DUCTS OF AREA 6 SQ. FT. AND LARGER. BRACE ALL ROUND DUCTS 28" IN DIAMETER AND LARGER.
- CABLE RESTRAINTS AND BRACING NOT TO EXCEED 30'-0" CENTERS AND SHALL BE PROVIDED AT EACH TURN, AT THE END OF EACH DUCT RUN, AND ON EACH SIDE OF FLEXIBLE CONNECTIONS. BRACE POINTS SHALL NOT EXCEED 15'-0" FROM FLEXIBLE CONNECTION.
- WHEN COMBINING DUCT GROUPS ON COMMON BRACING SYSTEMS, USE WEIGHTS AND DIMENSIONS FROM BRACING LIST.
- ALL HOLES IN ANGLES ARE TO BE 1/16 INCH OVERSIZED. PLACE STANDARD CUT WASHERS BETWEEN SHEET METAL ANGLES AND NUT.
- DUCTS NOT BRACED SHALL BE INSTALLED WITH A 6" MIN. CLEARANCE TO VERTICAL CEILING HANGER WIRES.
- REHEAT BOXES AND OTHER ITEMS WHICH ATTACH TO THE DUCT SYSTEM SHALL BE BRACED INDEPENDENTLY OF THE DUCTS.
- ALL SHEET METAL FOR BRACING TO BE FY = 33 KSI MINIMUM. GAUGE FOR SHEET METAL BRACING SHALL BE AS FOLLOWS:
 16 GA = (0.0598 INCH)
 14 GA = (0.0747 INCH)
 12 GA = (0.1046 INCH)
- MINIMUM DISTANCE FROM EDGE OF ANGLE TO BOLTS SHALL BE AS FOLLOWS:

BOLT DIAMETER	DISTANCE FROM EDGE
1/4" TO 1/2"	1"
5/8"	1 1/8"
3/4"	1 1/4"
7/8"	1 1/2"

- DO NOT FASTEN RESTRAINT SYSTEM TO TWO DISSIMILAR PARTS OF A BUILDING THAT MAY RESPOND IN A DIFFERENT MODE DURING AN EARTHQUAKE. FOR EXAMPLE, A WALL AND A ROOF. 11 ALTERNATE EVERY OTHER CABLE RESTRAINT IN OPPOSITE DIRECTION (SHOWN DOTTED).

DUCT CABLE BRACING LIST							
DUCT SIZE (MAX.)	*WT/ LIN FT (MAX)	BOLT SIZE	HORIZONTAL ANGLE	VERTICAL ANGLE	CABLE DIA.**	CABLE DES.	ANCHOR CONN. TYPE
12"	5#	3/8"	2 X 2 X 16 GA	2 X 2 X 12 GA	1/8"	7X19 GALV.	I
18"	8#	3/8"	2 X 2 X 16 GA	2-1/2 X 2-1/2 X 12 GA	1/8"	7X19 GALV.	I
24"	10#	3/8"	2 X 2 X 16 GA	2-1/2 X 2-1/2 X 12 GA	1/8"	7X19 GALV.	I
30"	13#	3/8"	2 X 2 X 16 GA	2-1/2 X 2-1/2 X 12 GA	1/8"	7X19 GALV.	I
42"	20#	3/8"	2-1/2 X 2-1/2 X 16 GA	4 X 4 X 12 GA	3/16"	7X19 GALV.	II
54"	27#	3/8"	2-1/2 X 2-1/2 X 16 GA	4 X 4 X 12 GA	3/16"	7X19 GALV.	II
60"	36#	3/8"	3 X 3 X 16 GA	4 X 4 X 12 GA	3/16"	7X19 GALV.	II
84"	53#	3/8"	4 X 4 X 14 GA	4 X 4 X 14	1/4"	7X19 GALV.	III
96"	80#	1/2"	4 X 4 X 12 GA	5 X 3 X 14	5/16"	7X19 GALV.	IV

* MAXIMUM WEIGHT OF DUCTS OR COMBINATIONS OF DUCTS PER LINEAR FOOT. THE DUCTS MAXIMUM DIMENSION SHALL GOVERN WHAT BRACING IS REQUIRED. FOR ANCHOR CONNECTIONS SEE LIST. SEE DUCT BRACING DETAILS.
 ** TWO CABLES REQUIRED AT EACH RESTRAINT POINT. EACH CABLE TO BE INSTALLED 45° TO HORIZONTAL AND 45° TO LONGITUDINAL DIRECTION OF DUCT.

8 DUCT CABLE BRACING LIST
 NTS

9 DUCT BRACING GENERAL NOTES
 NTS

NOTE: THE SEISMIC DETAILS SHOWN HERE ARE FOR REFERENCE ONLY TO ILLUSTRATE TYPICAL SEISMIC REQUIREMENTS. REFER TO SPECIFICATIONS FOR REQUIRED SEISMIC DESIGN AND APPLICATION.

PIPE BRACING GENERAL NOTES

- DETAILS SHOWN PROVIDE GENERAL GUIDELINES FOR A LATERAL BRACING SYSTEM. A TYPICAL VERTICAL SUPPORT SYSTEM MUST ALSO BE USED.
- BRACE ALL PIPES 1-1/2" I.D. AND LARGER.
- CABLE RESTRAINTS AND BRACING NOT TO EXCEED 30'-0" CENTERS AND SHALL BE PROVIDED AT ALL CHANGES IN DIRECTION OF PIPE. ALL DROPS TO EQUIPMENT, AND ON EACH SIDE OF FLEXIBLE CONNECTIONS. BRACE POINTS SHALL NOT EXCEED 15'-0" FROM FLEXIBLE CONNECTION.
- ALL HOLES IN ANGLES ARE TO BE 1/16 INCH OVERSIZED. PLACE STANDARD CUT WASHERS BETWEEN SHEET METAL ANGLES AND NUT.
- EQUIPMENT WHICH ATTACHES TO THE PIPING SYSTEM SHALL BE BRACED INDEPENDENTLY OF THE PIPES.
- ALL SHEET METAL FOR BRACING TO BE Fy=33 KSI MINIMUM. GAUGE FOR SHEET METAL BRACING SHALL BE AS FOLLOWS:

16 GA = (0.0698 INCH)
14 GA = (0.0747 INCH)
12 GA = (0.1046 INCH)
- MINIMUM DISTANCE FROM EDGE OF ANGLE TO BOLTS SHALL BE AS FOLLOWS:

BOLT DIAMETER	DISTANCE FROM EDGE
1/4" TO 1/2"	1"
5/8"	1 1/8"
3/4"	1 1/4"
7/8"	1 1/2"
- DO NOT FASTEN RESTRAINT SYSTEM TO TWO DISSIMILAR PARTS OF A BUILDING THAT MAY RESPOND IN A DIFFERENT MODE DURING AN EARTHQUAKE. FOR EXAMPLE, A WALL AND A ROOF.
- PROVIDE LARGE ENOUGH PIPE SLEEVES THROUGH WALLS OR FLOORS TO ALLOW FOR ANTICIPATED DIFFERENTIAL MOVEMENTS.
- DO NOT FASTEN ONE RIGID PIPING SYSTEM TO TWO DISSIMILAR PARTS OF A BUILDING THAT MAY RESPOND IN A DIFFERENT MODE DURING AN EARTHQUAKE. FOR EXAMPLE, A WALL AND A ROOF.
- BRACING DETAILS, SCHEDULE AND NOTES ARE TO BE USED WITH THE FOLLOWING TYPES OF PIPE: STEEL PIPE SCHEDULE 40 AND 80, COPPER PIPE TYPE K,L,M (ONLY SILVER SOLDERED BRAZED JOINTS TO BE USED WITH COPPER PIPE).
- FOR GAS PIPING, THE BRACING DETAILS, SCHEDULES AND NOTES MAY BE USED EXCEPT THAT RESTRAINTS SHALL BE INSTALLED AT EVERY 20'-0" O.C. ALSO ALL PIPE 1 INCH AND LARGER SHALL BE BRACED.
- WASTE, VENT AND ROOF DRAINAGE PIPING SYSTEMS ARE EXCLUDED FROM THE RESTRAINT GUIDELINES.
- ALTERNATE EVERY OTHER CABLE RESTRAINT IN OPPOSITE DIRECTION (SHOWN DOTTED).

8 PIPE BRACING GENERAL NOTES

NTS

PIPE SEISMIC BRACING SCHEDULE

PIPE SIZE	HANGER ROD SIZE	MAX. ROD LENGTH	HANGER TYPE	BOLTS TO ANGLE	ANGLE CLIP	ANGLE BRACE	ANCHOR CONN. TYPE	ANCHOR BOLT OR INSERT
1-1/2"	1/2"	25"	CLEVIS	3/8"	3 x 3 x 1/4	2 x 2 x 16 GA	I	3/8"
2"	1/2"	25"	CLEVIS	3/8"	3 x 3 x 1/4	2 x 2 x 16 GA	I	3/8"
2-1/2"	5/8"	31"	CLEVIS	3/8"	3 x 3 x 1/4	2 x 2 x 16 GA	I	3/8"
3"	5/8"	31"	CLEVIS	3/8"	3 x 3 x 1/4	2 1/2 x 2 1/2 x 16 GA	II	1/2"
3-1/2"	5/8"	31"	CLEVIS	3/8"	3 x 3 x 1/4	2 1/2 x 2 1/2 x GA	II	1/2"
4"	3/4"	37"	CLEVIS	3/8"	3 x 3 x 1/4	2 1/2 x 2 1/2 x 16 GA	II	1/2"
5"	3/4"	37"	CLEVIS	1/2"	5 x 3 x 1/2	2 1/2 x 2 1/2 x 16 GA	III	3/4"
6"	3/4"	37"	CLEVIS	5/8"	5 x 3 x 1/2	2 1/2 x 2 1/2 x 16 GA	IV	3/4"
8"	7/8"	43"	CLEVIS	5/8"	(2) 5 x 3 x 1/2	3 x 3 x 12 GA	V	2 5/8"
10"	7/8"	43"	CLEVIS	3/4"	(2) 5 x 3 x 1/2	3 x 3 x 12 GA	VI	2 5/8"

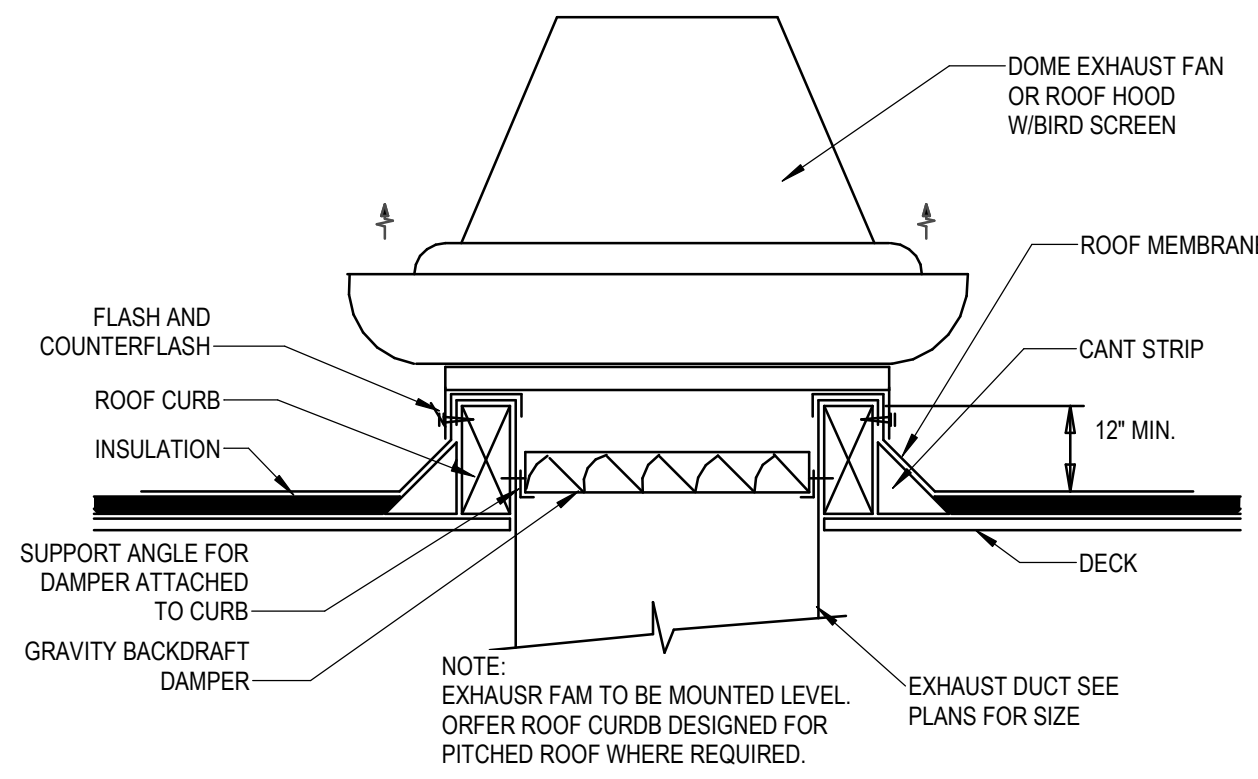
FOR ANCHOR CONNECTIONS SEE LIST.

SEE PIPE BRACING DETAIL.

*1 5/8" x 1 5/8" x 12 GA CHANNEL MAY BE USED

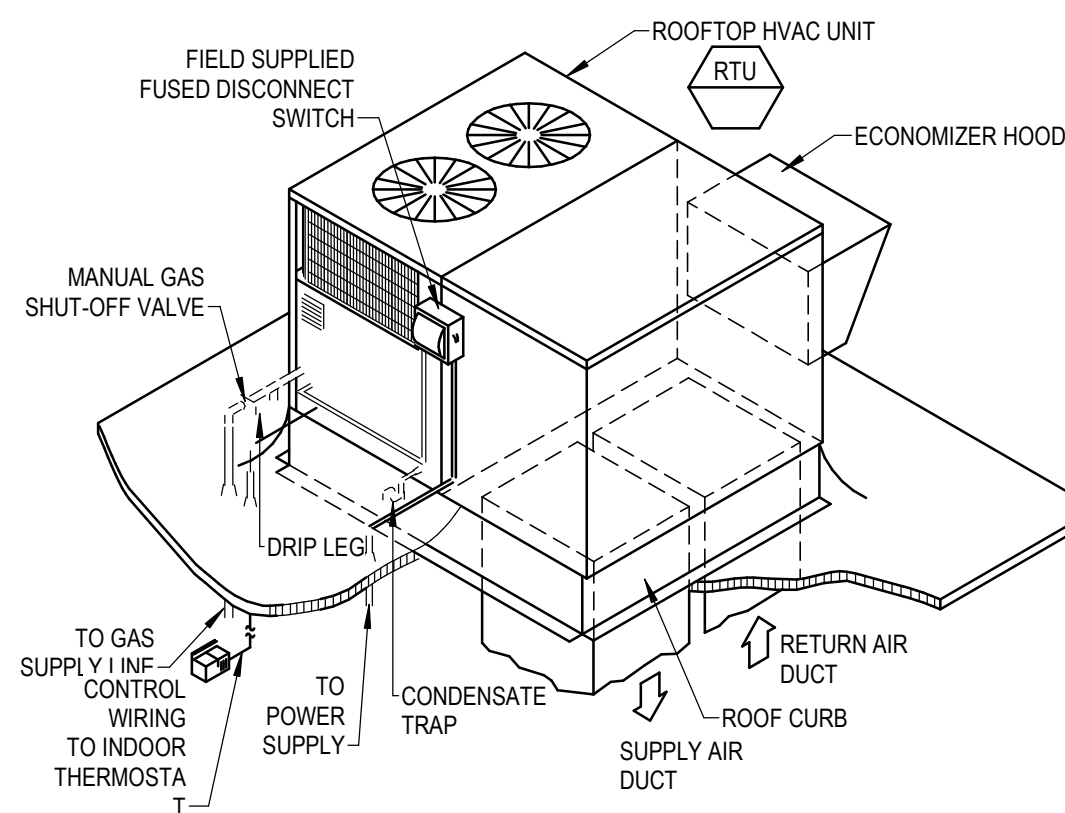
9 PIPE SEISMIC BRACING SCHEDULE

NTS



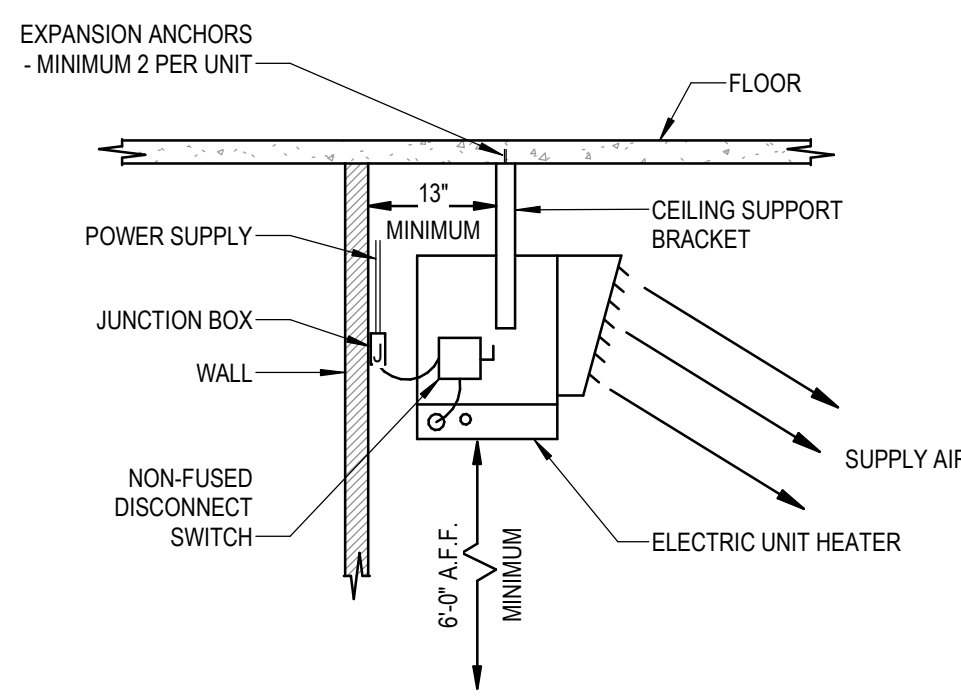
4 UP BLAST EXHAUST FAN DETAIL

NTS



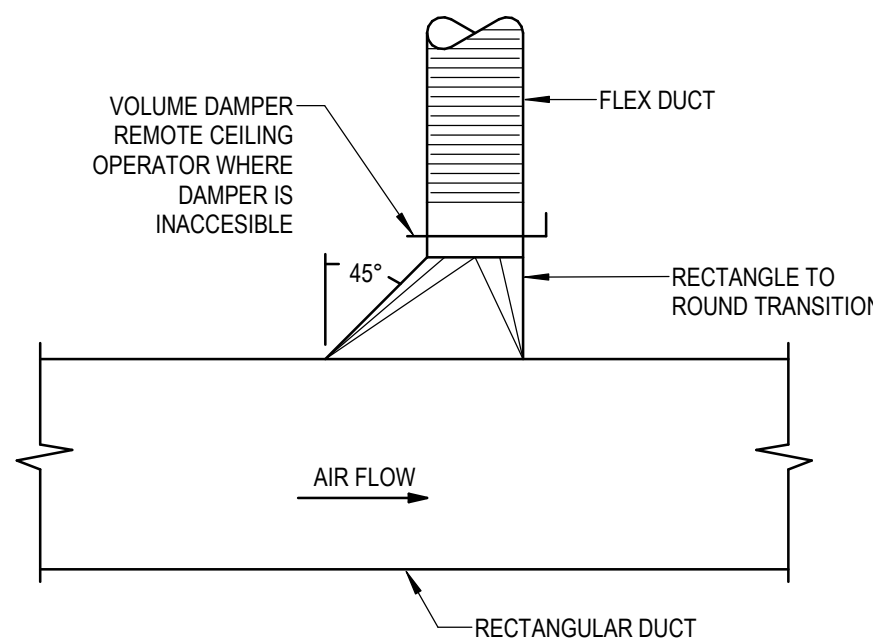
5 GAS FIRED ROOFTOP HVAC UNIT DETAIL

NTS



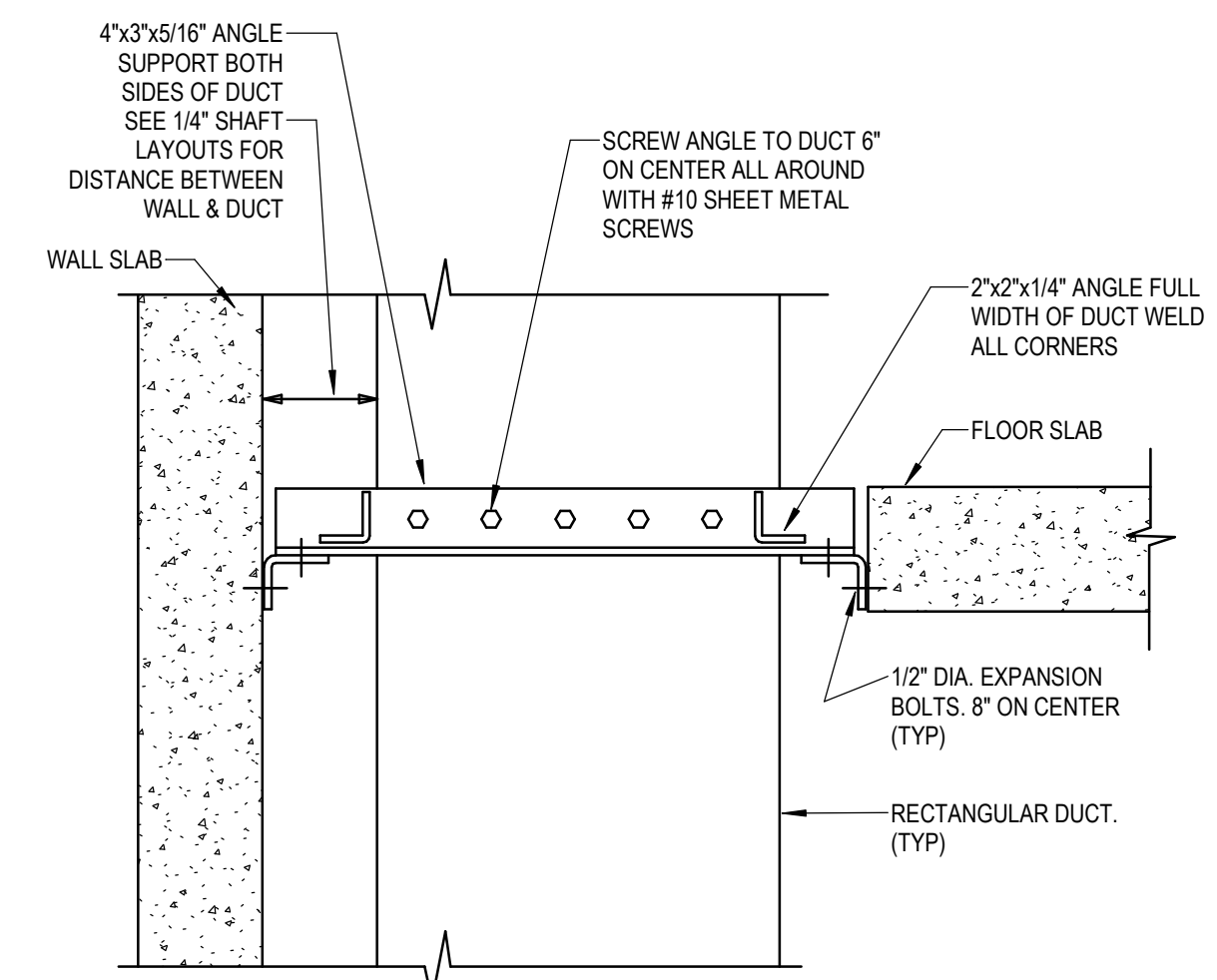
6 ELECTRIC UNIT HEATER MOUNTING DETAIL

NTS



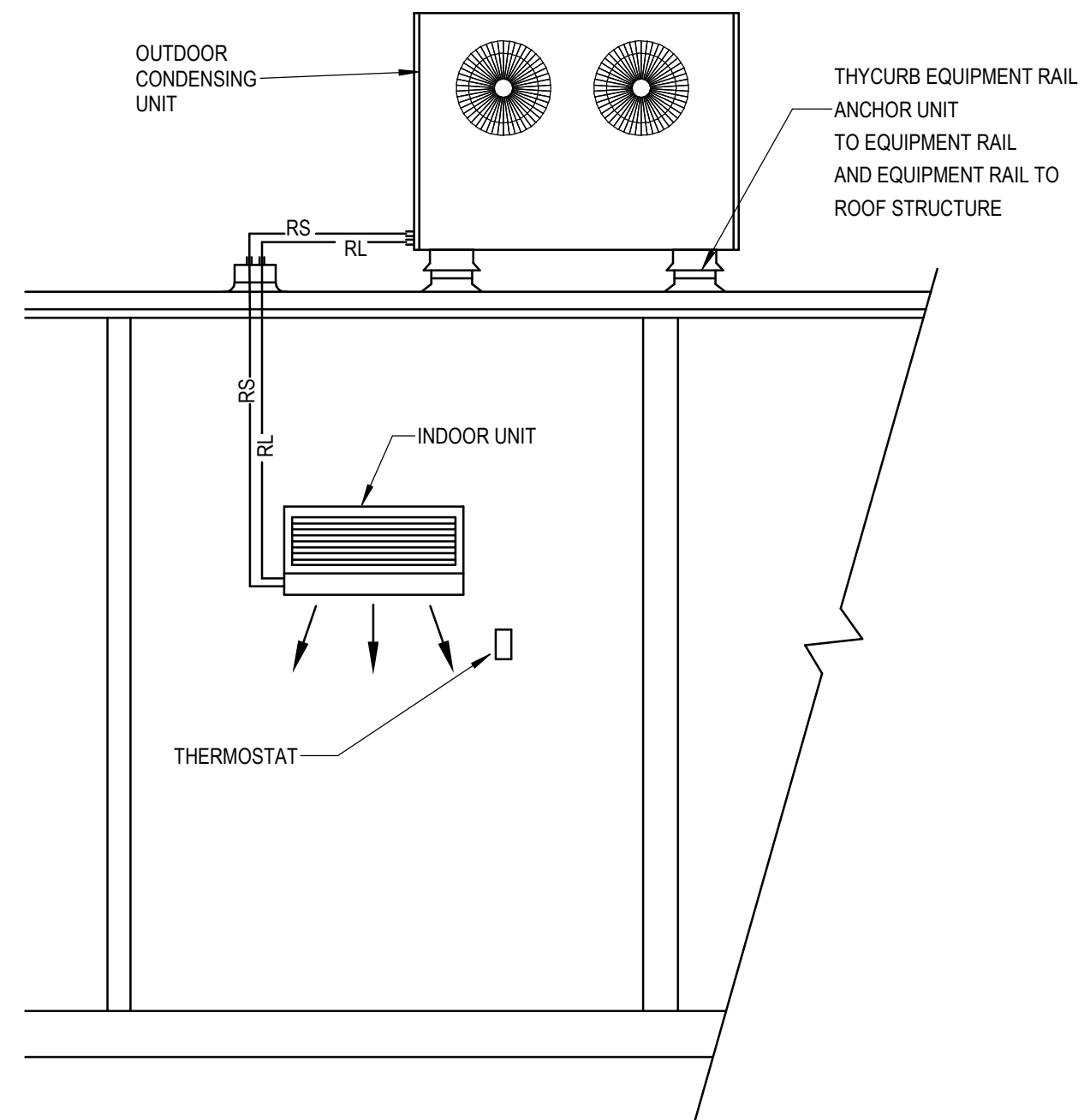
7 FLEX DUCT WITH HIGH EFFICIENCY FITTING DETAIL

NTS



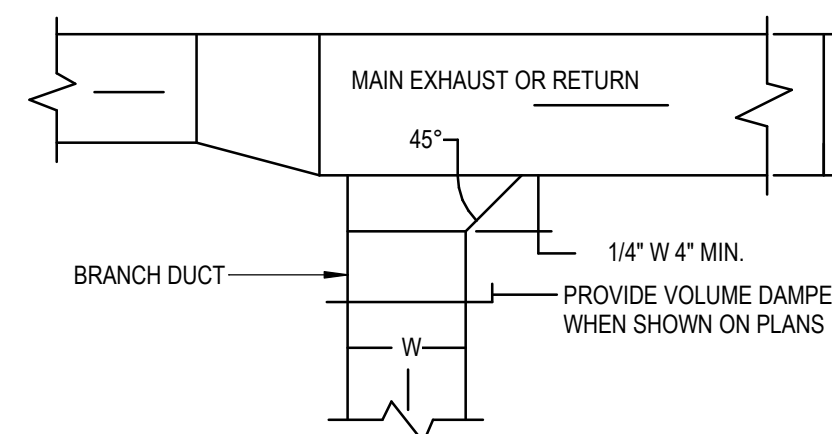
1 DUCT RISER CHASE SUPPORT DETAIL

NTS



2 WALL MOUNTED DUCTLESS SPLIT SYSTEM DETAIL

NTS



3 EXHAUST AND/OR RETURN BRANCH DUCT DETAIL

NTS

DESCRIPTION:

DATE:

MARK:

PROJECT #: 821239

DRAWN BY: KJM

CHECKED BY: KJM

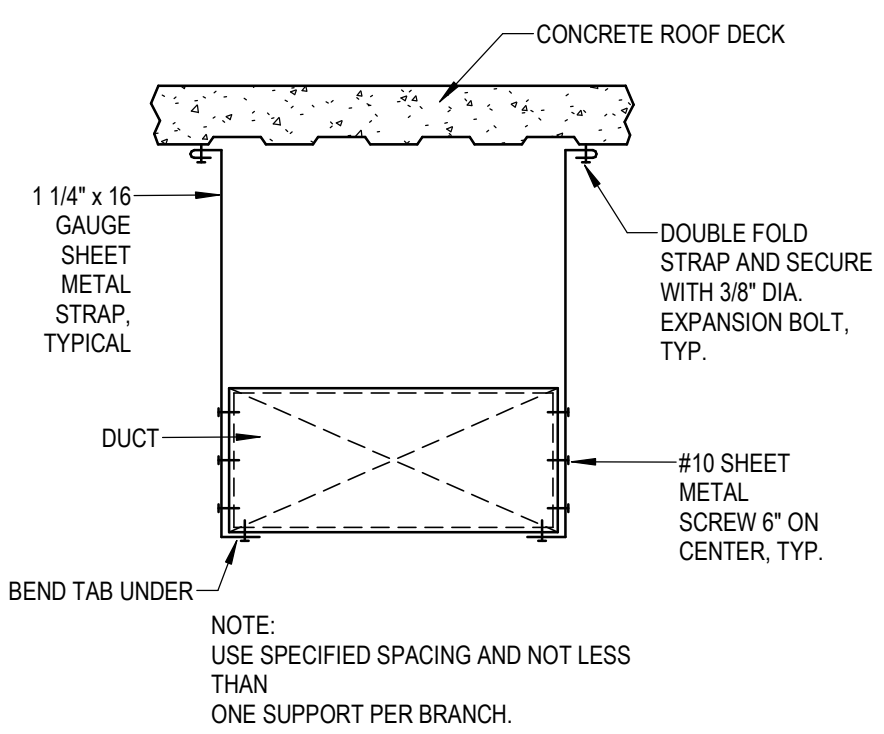
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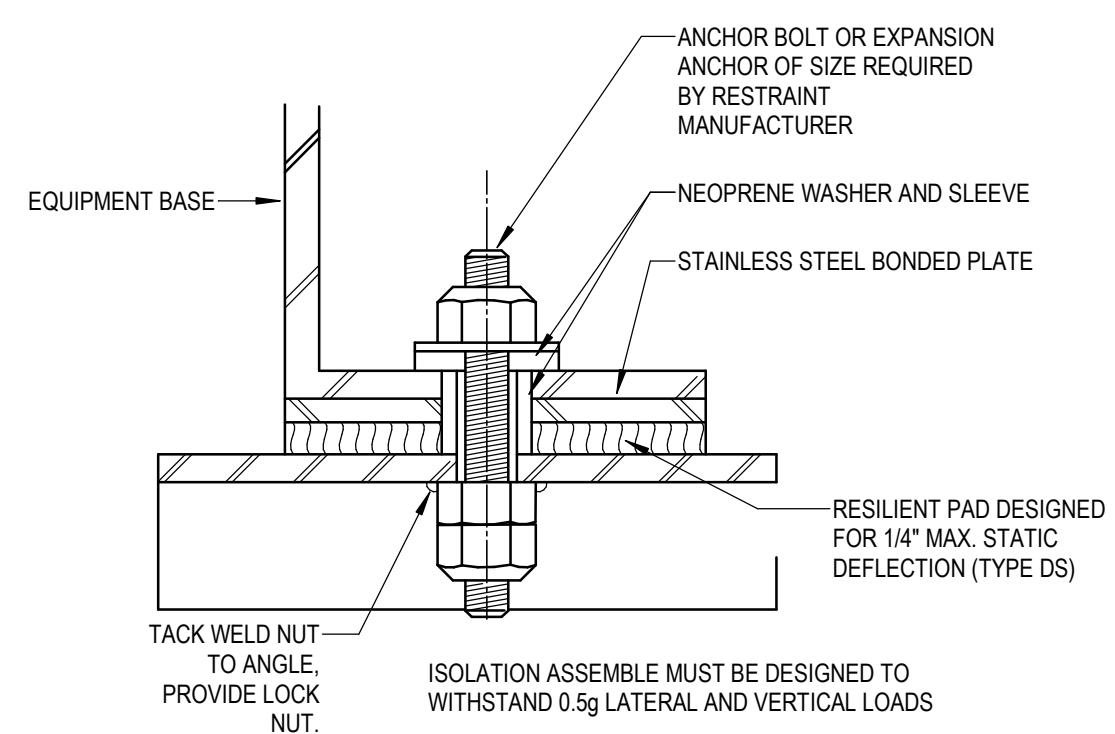
MECHANICAL
DETAILS

M502

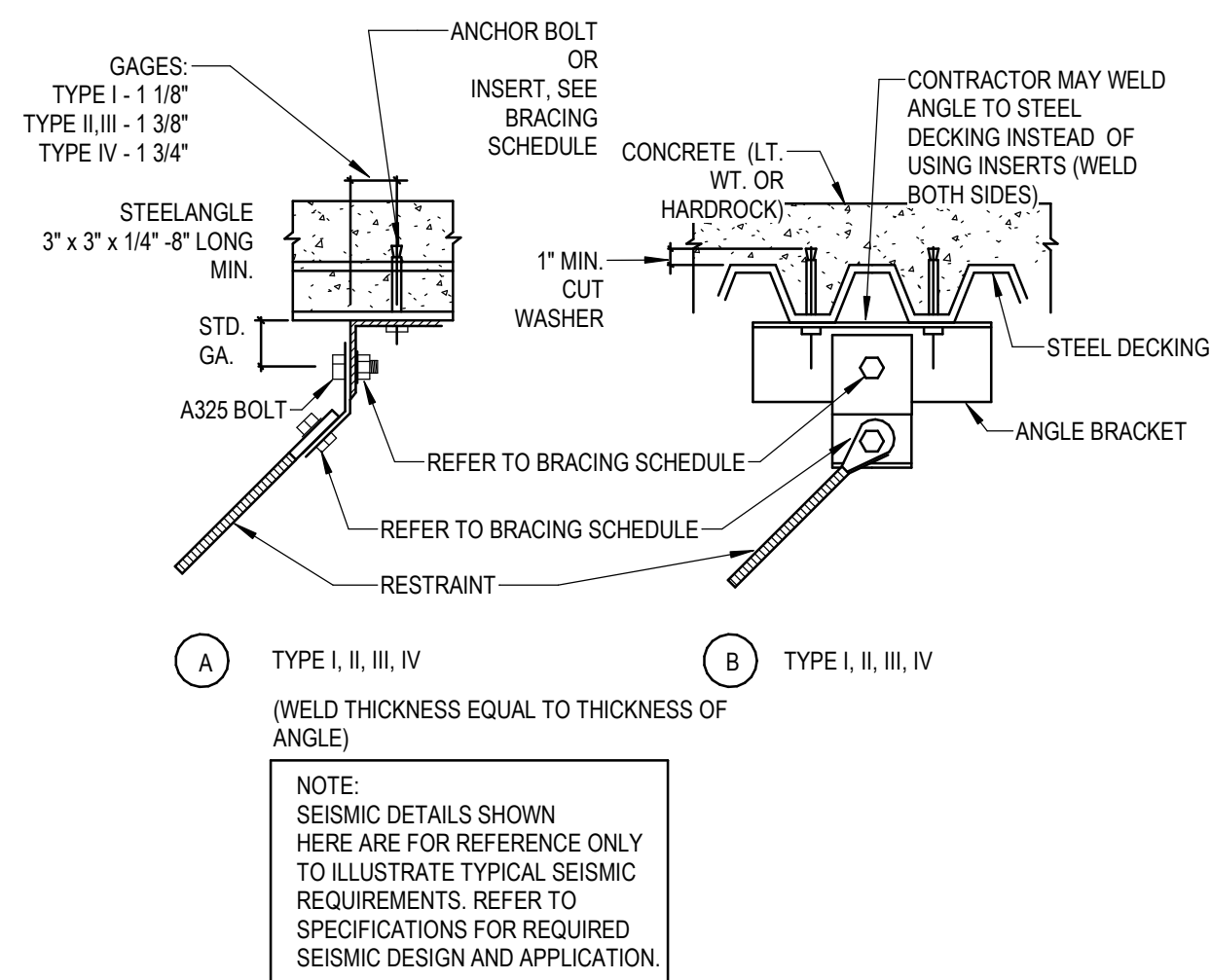
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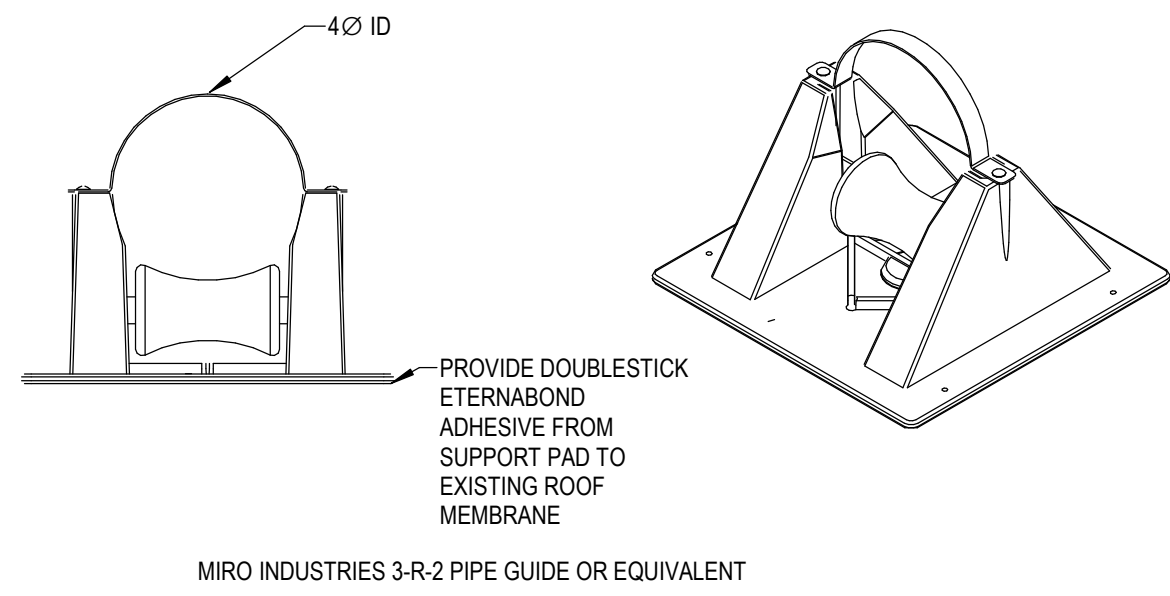
8 RECTANGULAR DUCT DETAIL
NTS



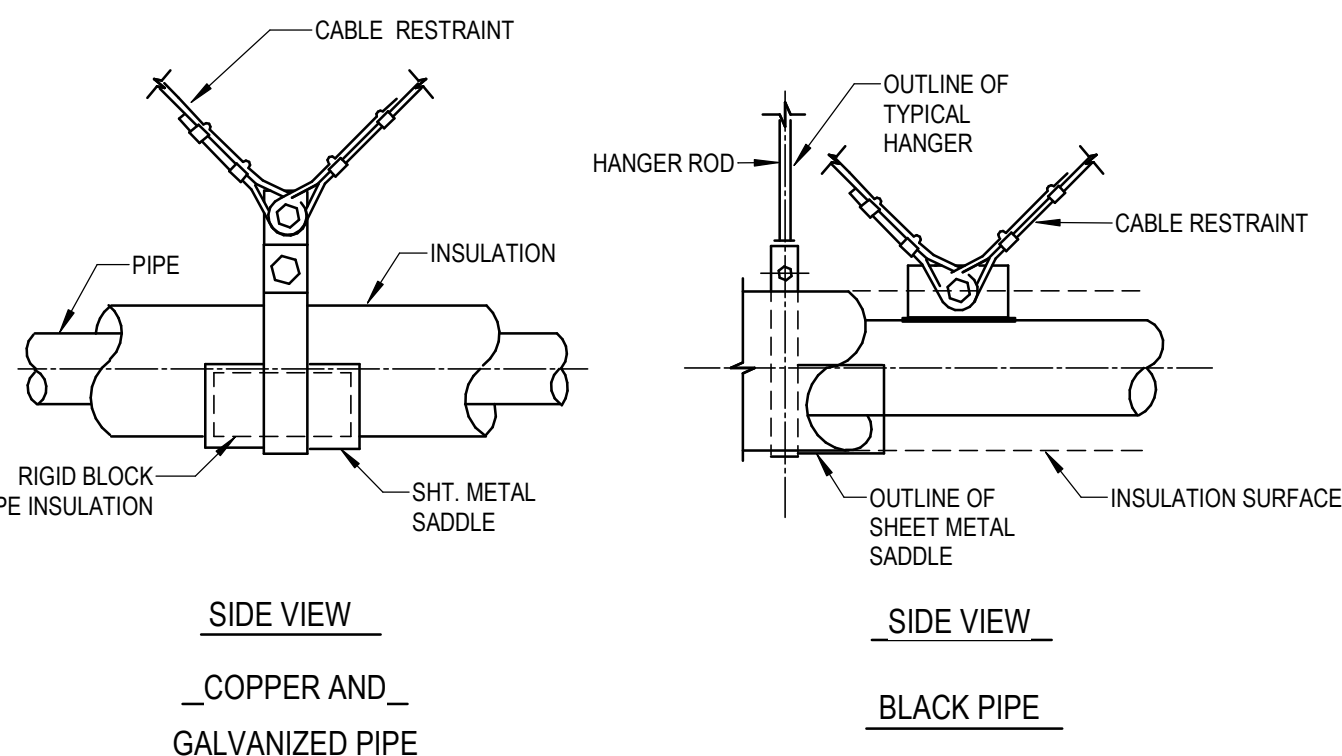
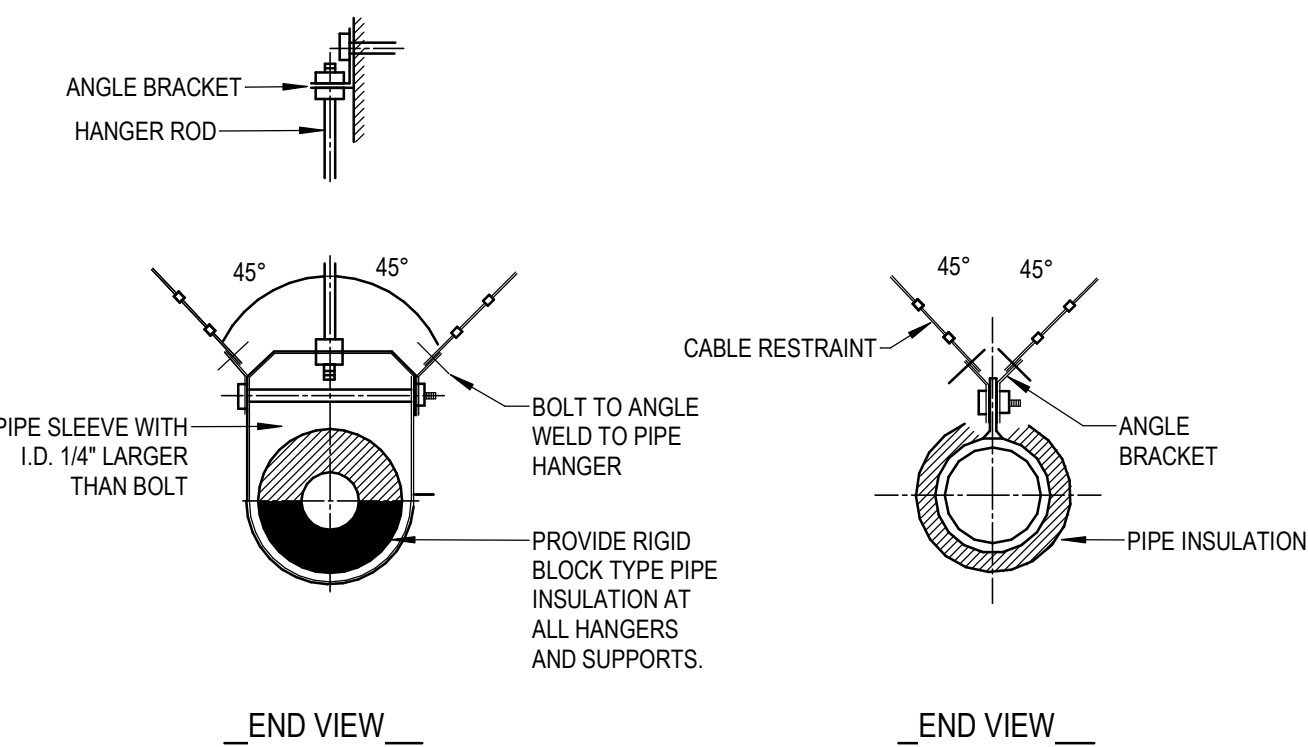
9 RESILIENT PAD ISOLATOR RESTRAINT DETAIL
NTS



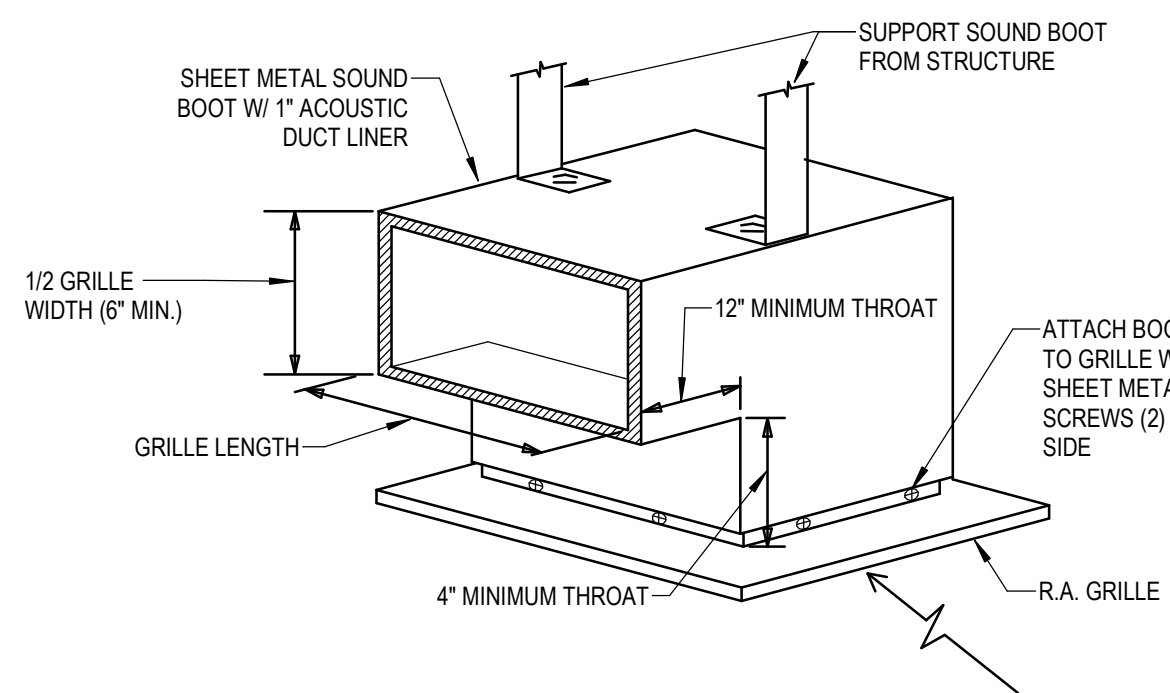
10 RESTRAINT CONNECTIONS TO STEEL
NTS



5 PIPE SUPPORT ON ROOF
NTS



6 PIPING RESTRAINT DETAIL
NTS

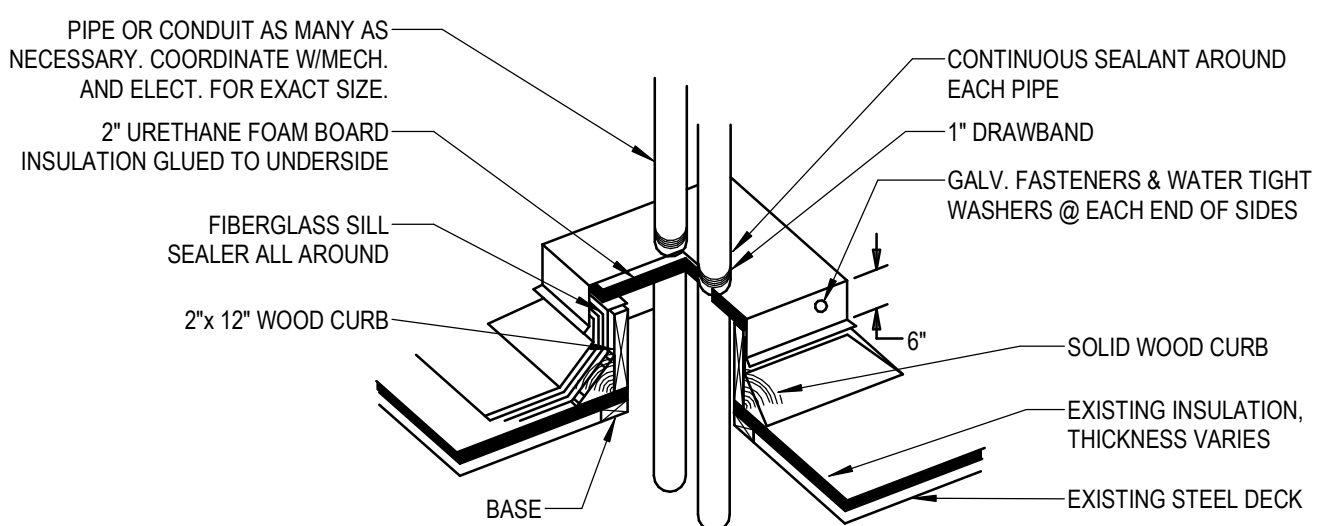


7 RA GRILLE WITH SOUND BOOT DETAIL
NTS

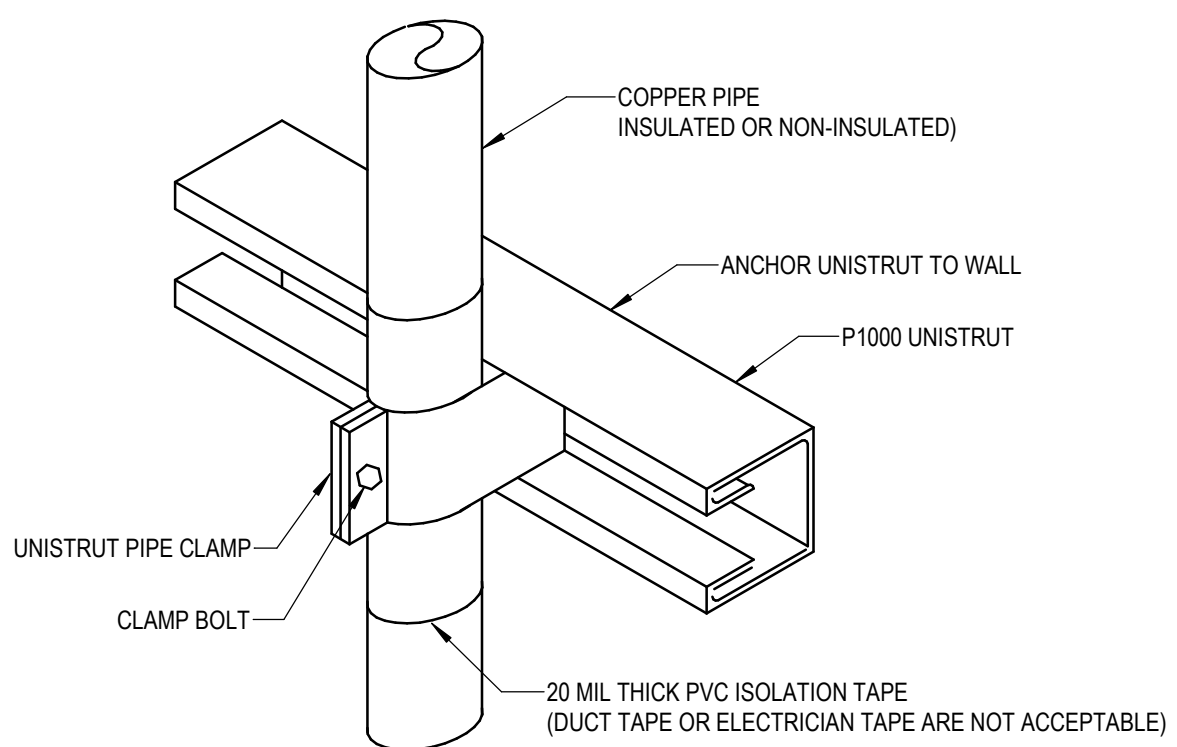
PIPE SEISMIC BRACING SCHEDULE								
PIPE SIZE	HANGER ROD SIZE	MAX. ROD LENGTH	HANGER TYPE	BOLTS TO ANGLE	ANGLE CLIP	ANGLE BRACE	ANCHOR CONN. TYPE	ANCHOR BOLT OR INSERT
1-1/2"	1/2"	25'	CLEVIS	3/8"	3 x 3 x 1/4	2 x 2 x 16 GA	I	3/8"
2"	1/2"	25'	CLEVIS	3/8"	3 x 3 x 1/4	2 x 2 x 16 GA	I	3/8"
2-1/2"	5/8"	31"	CLEVIS	3/8"	3 x 3 x 1/4	2 x 2 x 16 GA	I	3/8"
3"	5/8"	31"	CLEVIS	3/8"	3 x 3 x 1/4	2 1/2 x 2 1/2 x 16 GA	II	1/2"
3-1/2"	5/8"	31"	CLEVIS	3/8"	3 x 3 x 1/4	2 1/2 x 2 1/2 x GA	II	1/2"
4"	3/4"	37"	CLEVIS	3/8"	3 x 3 x 1/4	2 1/2 x 2 1/2 x 16 GA	II	1/2"
5"	3/4"	37"	CLEVIS	1/2"	5 x 3 x 1/2	2 1/2 x 2 1/2 x 16 GA	III	3/4"
6"	3/4"	37"	CLEVIS	5/8"	5 x 3x 1/2	2 1/2 x 2 1/2 x 16 GA	IV	3/4"
8"	7/8"	43"	CLEVIS	5/8"	(2) 5 x 3 x 1/2	3 x 3 x 12 GA	V	2.5 8"
10"	7/8"	43"	CLEVIS	3/4"	(2) 5 x 3 x 1/2	3 x 3 x 12 GA	VI	2.5 8"

FOR ANCHOR CONNECTIONS SEE LIST.
SEE PIPE BRACING DETAIL.
*1 5/8" x 1 5/8" x 12 GA CHANNEL MAY BE USED

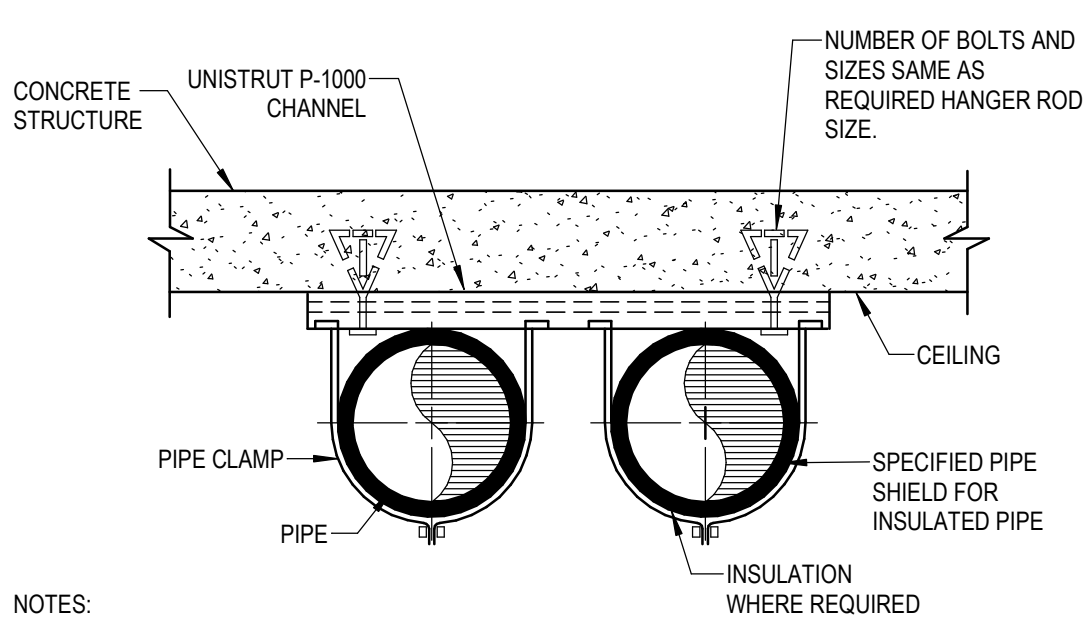
1 PIPE CABLE BRACING SCHEDULE
NTS



2 MULTI-PIPE ROOF PENETRATION DETAIL
NTS



3 PIPE SUPPORT DETAIL
NTS



NOTES:
1. PIPE SUPPORT ON WALL SIMILAR

4 PIPE SUPPORT ON CEILING
NTS

DESCRIPTION:

DATE:

MARK:

PROJECT #: 821239

DRAWN BY: KJM

CHECKED BY: KJM

ISSUED: 03.31.2022

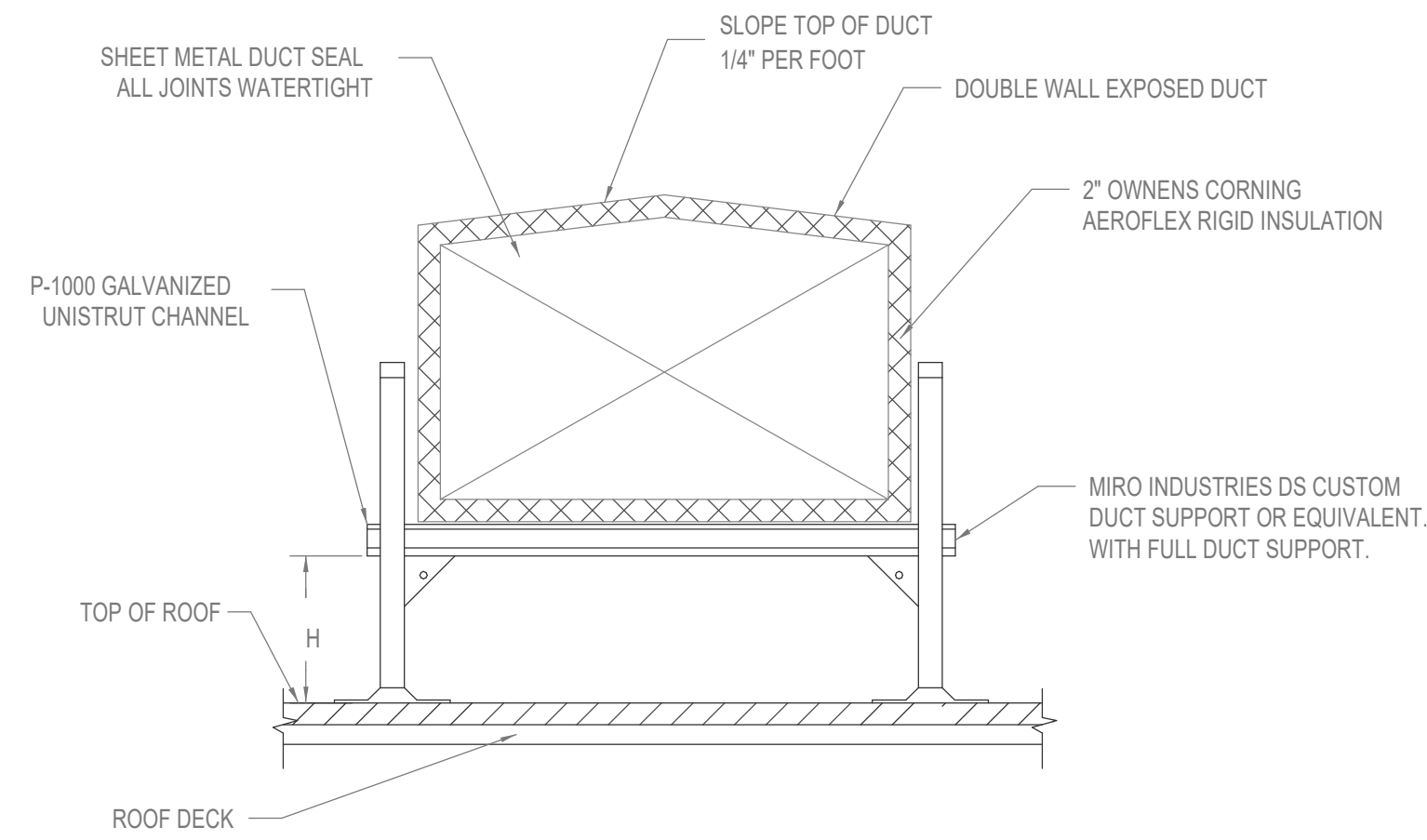
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MECHANICAL DETAILS

M503

WIDTH OF DUCT	HEIGHT = "H"
UP TO 24" (610 MM)	14" (356 MM)
25" TO 36" (635 MM TO 914 MM)	18" (457 MM)
37" TO 48" (940 MM TO 1219 MM)	24" (610 MM)
49" TO 60" (1245 MM TO 1524 MM)	30" (762 MM)
61" (1549 MM) AND WIDER	48" (1219 MM)

H CLEARANCE FOR ROOF MAINTENANCE IS RECOMMENDED FOR EQUIPMENT AND DUCTS

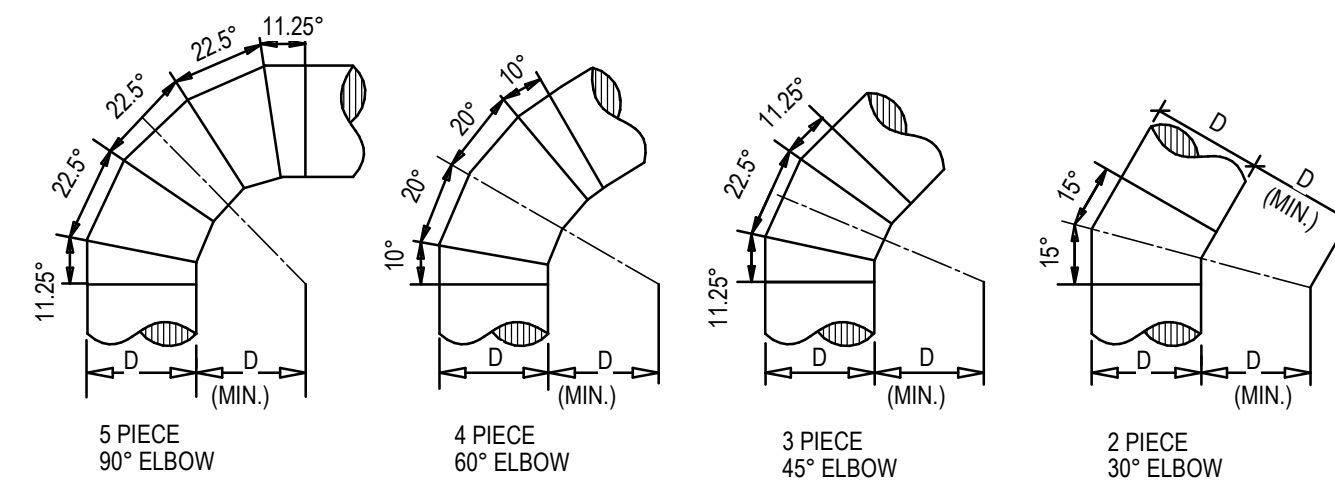


8 DUCT ABOVE ROOF DETAIL

NTS

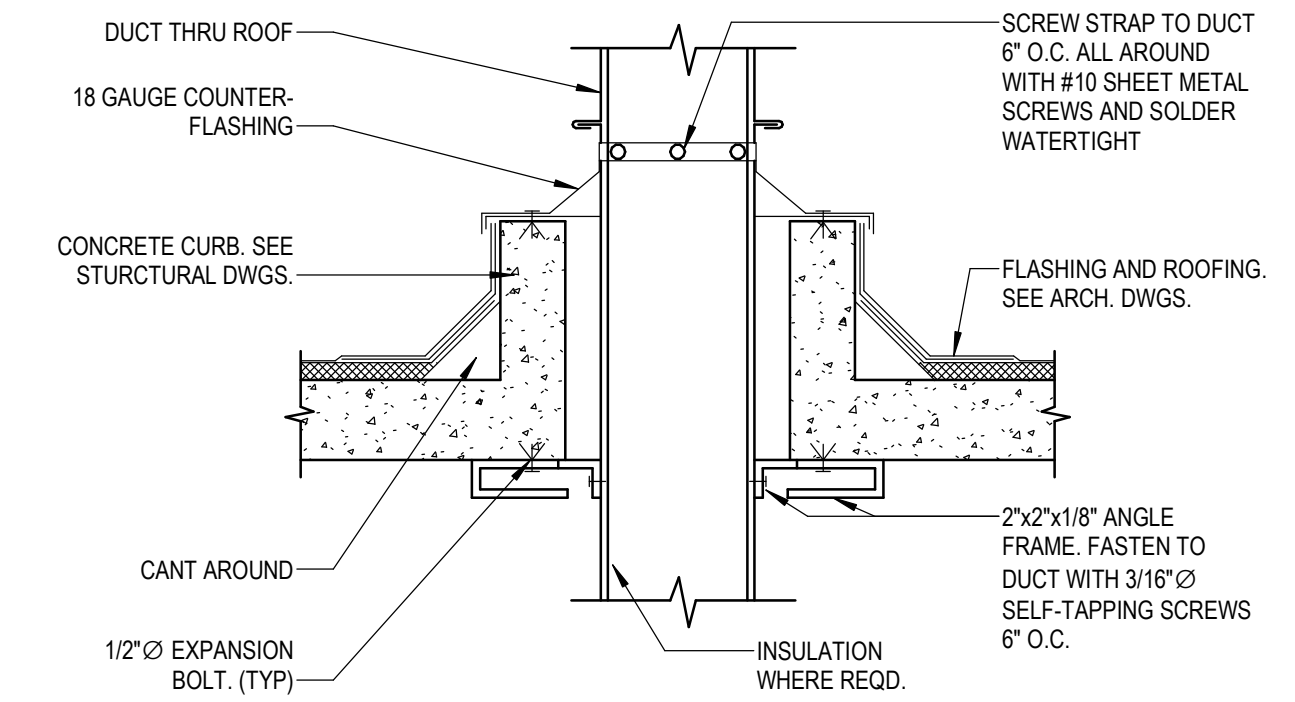
4 ROUND DUCT ELBOWS DETAIL

NTS



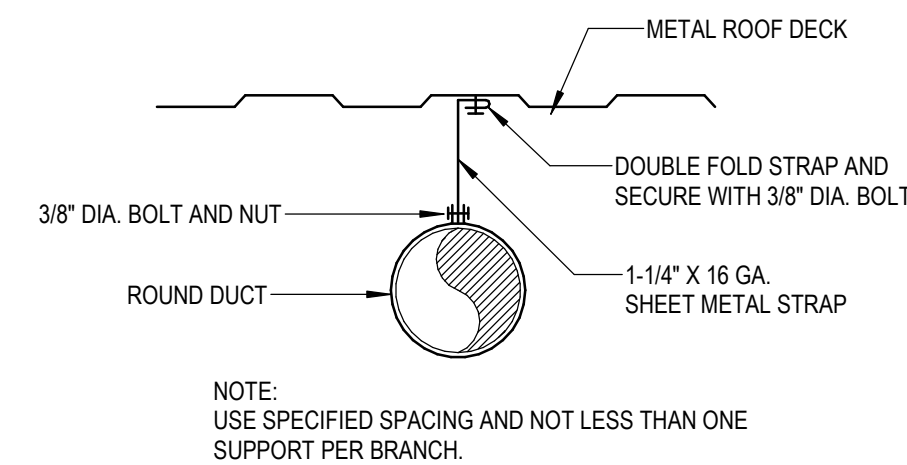
4 ROUND DUCT ELBOWS DETAIL

NTS



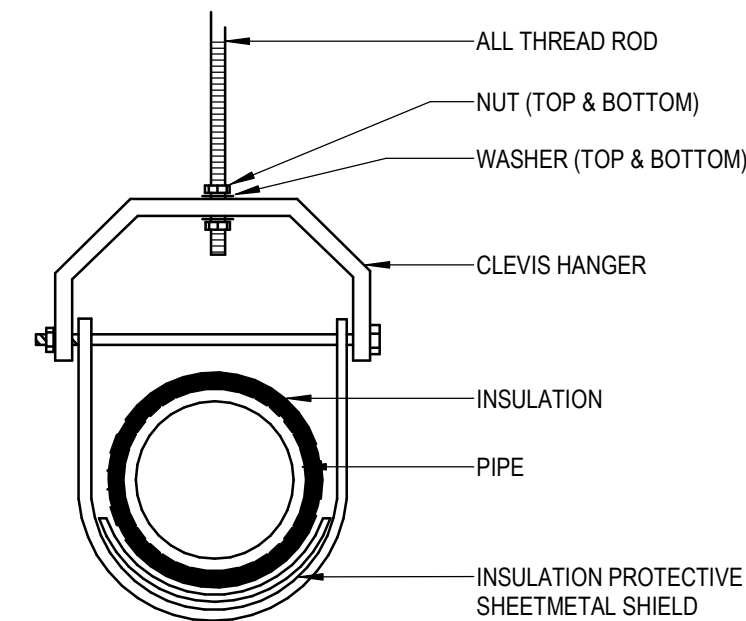
1 DUCT THROUGH ROOF DETAIL 2

NTS



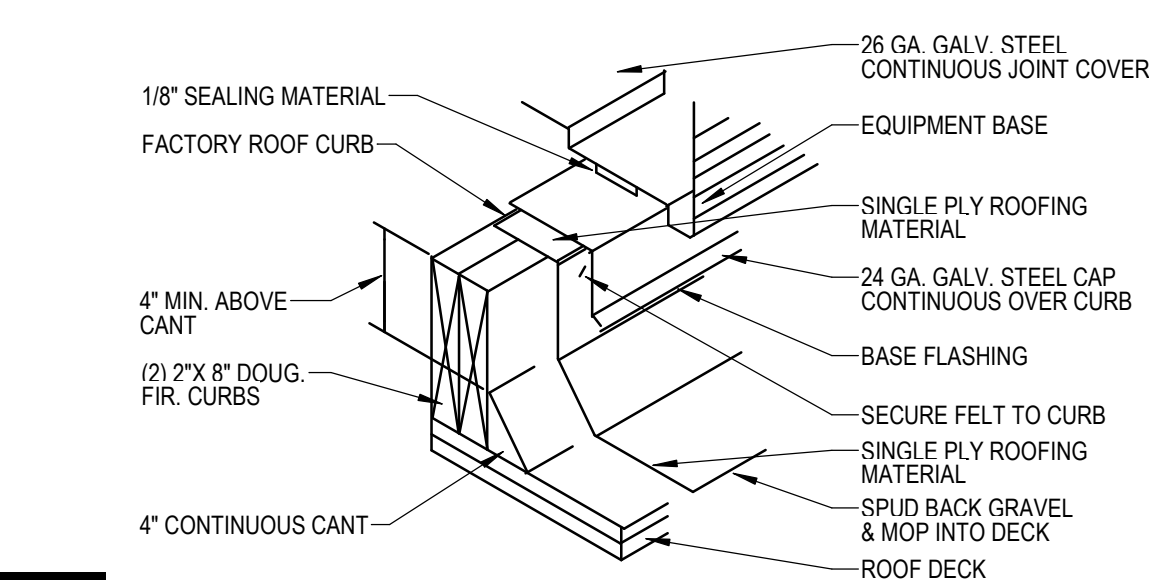
5 ROUND DUCT SUPPORT DETAIL

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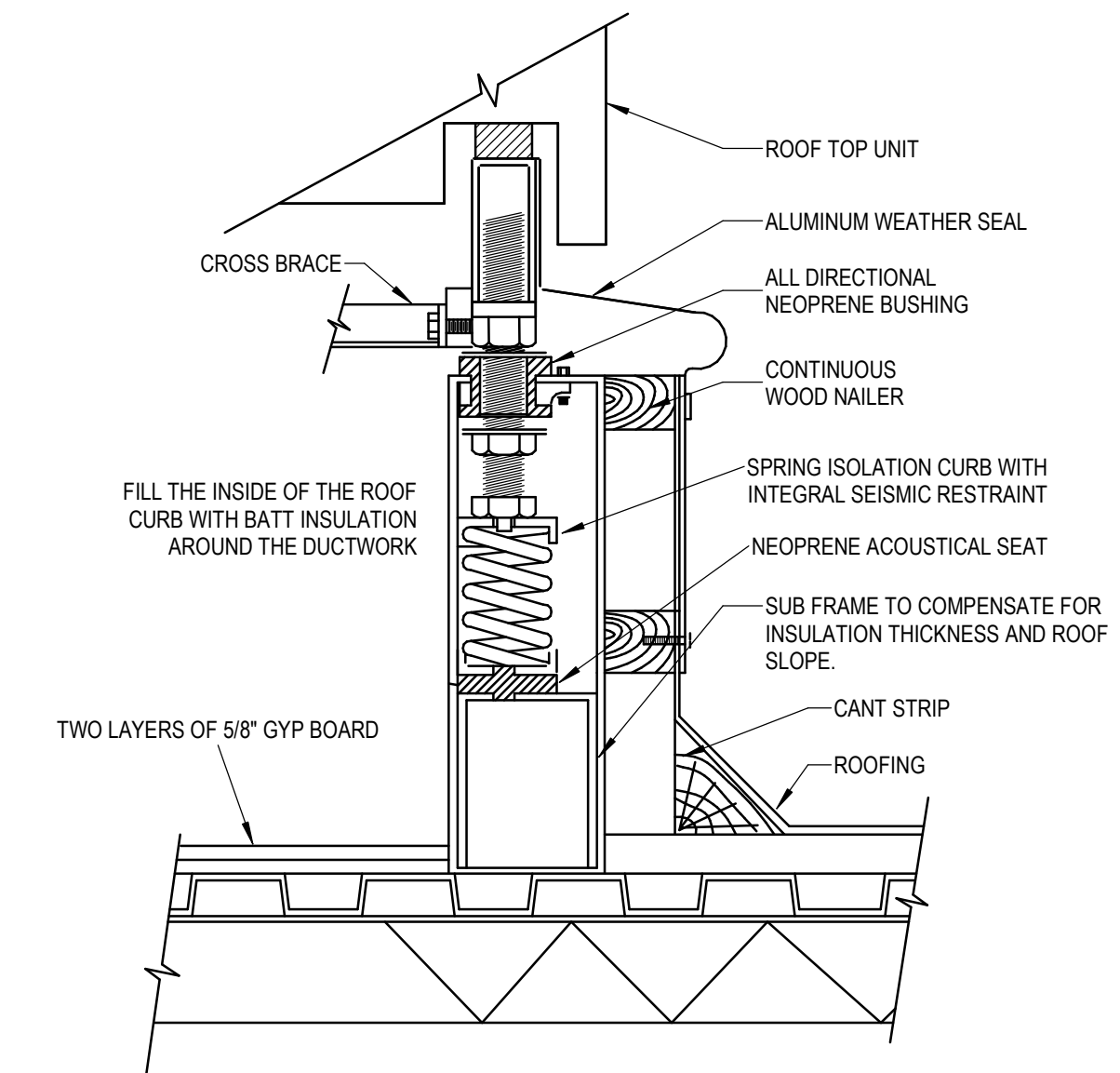
6 TYPICAL CLEVIS HANGER DETAIL

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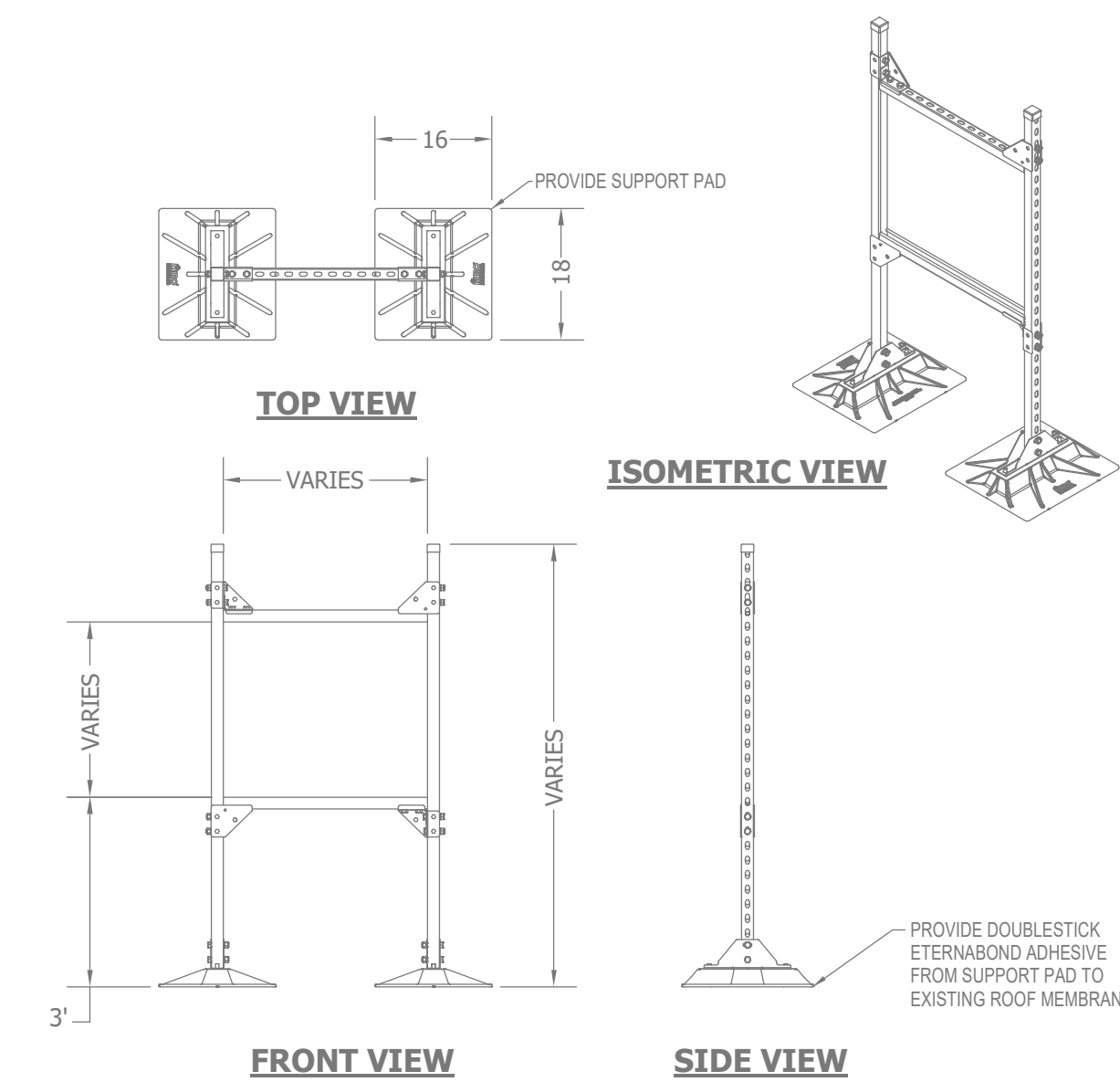
7 ROOF CURB DETAIL

NTS



2 ROOFTOP CURB DETAIL

NTS



3 DUCT SUPPORT ON ROOF DETAIL

NTS

DESCRIPTION:

DATE:

MARK:

PROJECT #: 821239

DRAWN BY: KJM

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ISSUED: 03.31.2022

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MECHANICAL
DETAILS

M504

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DESCRIPTION:

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MECHANICAL SCHEDULES

M601

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EXHAUST AIR FAN SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	QUAN.	TYPE	AIR		FAN		ELECTRICAL				PHYSICAL			NOTES
					MAXIMUM AIRFLOW RATE (CFM)	EXTERNAL STATIC PRESSURE (IN. H2O)	MAX AIR TEMP. (°F)	FAN SPEED (RPM)	MOTOR SIZE (HP)	MOTOR BHP (HP)	MOTOR SPEED (RPM)	VOLT/PH/HZ	FLA	LENGTH/WIDTH/HEIGHT (IN)	WEIGHT (LBS)	
EF-1	GREENHECK CUE-180-VG	ROOF	1	UPBLAST CENTRIFUGAL	2,215	0.75	72	982	1	0.46	982	208/3/60	6.5	37/37/43	200	1, 2, 3, 4, 5, 6

1. PROVIDE 14" HIGH VIBRATION ISOLATION ROOF CURB, BIRD SCREEN, THERMAL OVERLOAD PROTECTION, AND MOTORIZED BACKDRAFT DAMPER.
2. PROVIDE FACTORY-INSTALLED ELECTRICAL DISCONNECT.
3. CAPACITIES ARE AT ALTITUDE.
4. EXHAUST FAN TO RUN CONTINUOUSLY.
5. WITH A WIRE HARNESS THAT CONNECTS THIS FAN TO THE BUILDING MANAGEMENT SYSTEM FOR EXTERNAL SPEED CONTROL, ON/OFF CONTROL, & BACKDRAFT DAMPER CONTROL.
6. ROOF CURB TO COMPENSATE FOR ANY SLOPE IN THE ROOF. EXHAUST FAN IS TO BE LEVEL WHEN IN OPERATION.

GRILLES, REGISTERS AND DIFFUSERS

ID	MANUFACTURER	MODEL	MAX NC	DESCRIPTION
CD-1	TITUS	OMNI	25	SQUARE PLAQUE CEILING DIFFUSERS. REMOVABLE FACE & CORE FRAME SHALL BE FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES SHALL BE 24" x 24", 24" x 12" OR 12" x 12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE. PROVIDE ROUND NECK ADAPTER. COLOR SHALL BE WHITE.
RG-1 / EG-1	TITUS	PAR	25	PERFORATED FACE RETURN AIR GRILLE, REMOVABLE FACE & CORE. FRAME SHALL BE FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES SHALL BE 24" x 24", 24" x 12" OR 12" x 12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE. PROVIDE ROUND NECK ADAPTER. COLOR SHALL BE WHITE.
LS-1	TITUS	FL-20	25	LINEAR SLOT CEILING DIFFUSERS WITH TITUS FBPI PLENUM AND HIGH THROW PATTERN CONTROLLER. UNITS SHALL HAVE A SINGLE 2" SLOT AND BE INSTALLED USING BORDER TYPE 11 FOR LAY-IN CEILING MOUNTING OR BORDER TYPE 22 FOR SURFACE MOUNTING. UNITS SHALL HAVE AN INSULATED PLENUM AND 12" ROUND DUCT CONNECTION. UNITS ARE TO BE 4 FEET IN LENGTH. WITH #26 WHITE BORDER FACE & BLACK INTERIOR SURFACES.
LS-2	TITUS	FL-20	25	LINEAR SLOT CEILING DIFFUSERS WITH TITUS FBPI PLENUM AND JET THROW OUTLET. UNITS SHALL HAVE A SINGLE 2" SLOT AND BE INSTALLED USING BORDER TYPE 11 FOR LAY-IN CEILING MOUNTING OR BORDER TYPE 22 FOR SURFACE MOUNTING. UNITS SHALL HAVE AN INSULATED PLENUM AND 12" ROUND DUCT CONNECTION. UNITS ARE TO BE 4 FEET IN LENGTH. WITH #26 WHITE BORDER FACE & BLACK INTERIOR SURFACES.

PACKAGED ROOFTOP UNIT SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	AREA SERVED	AIR					HEATING SECTION				DX COOLING SECTION				ELECTRICAL			PHYSICAL					NOTES
				CODE MINIMUM OUTSIDE AIRFLOW (CFM)	MAXIMUM DESIGN AIRFLOW (CFM)	SUPPLY EXTERNAL STATIC PRESSURE (IN. H2O)	RELIEF EXTERNAL STATIC PRESSURE (IN. H2O)	SUMMER/WINTER AMBIENT AIR TEMP. (°F DB)	MEDIUM	NATURAL GAS PRESSURE (IN WG)	MAXIMUM HEATING INPUT (BTUH)	DESIGN HEATING OUTPUT (BTUH)	ENTERING/LEAVING AIR TEMP. (°F)	TOTAL COOLING LOAD (BTUH)	ENTERING/LEAVING AIR TEMP. (°F)	SINGLE POINT	FLA	MCA	MOCP	LENGTH/WIDTH/HEIGHT (IN)	OPERATIONAL WEIGHT (LBS)	REFRIGERANT TYPE	REFRIGERANT CHARGE (LBS)	FILTER RATING (MERV)	
RTU-1	DAIKIN DPS016A	ROOF	COUNCIL ROOM 132	1,415	7,450	1.5	0.5	100 / -20	NAT. GAS	5 - 14	450,000	316,800	54.5/100	178,358	80.2/55	208/3/60	99.5	111.2	150	185.9/76.5/82.5	3,875	R-410A	30.3	8	1 - 9, 11
RTU-2	DAIKIN DPS012A	ROOF	LOBBY 101	705	5,650	1.5	0.5	100 / -20	NAT. GAS	5 - 14	300,000	211,200	60.5/100	138,021	78.1/55	208/3/60	60.2	64.6	80	112.7/96.5/56.8	2,517	R-410A	20	8	1 - 9, 11
RTU-3	DAIKIN DPS007A	ROOF	CONFERENCE ROOM 125	895	3,165	1.5	0.5	100 / -20	NAT. GAS	5 - 14	200,000	140,800	45.3/100	85,900	82.8/55	208/3/60	39.7	42.7	50	112.7/96.5/56.8	2,332	R-410A	14.4	8	1 - 10
RTU-4	DAIKIN DPS005A	ROOF	OPEN OFFICE 117	255	2,525	1.5	0.5	100 / -20	NAT. GAS	5 - 14	120,000	84,480	62.7/100	55,666	78.2/55	208/3/60	35.2	38.2	50	84.5/87/40.8	1,502	R-410A	15.8	8	1 - 10
RTU-5	DAIKIN DPS005A	ROOF	LEVEL 1 WEST OFFICES	260	2,600	1.5	0.5	100 / -20	NAT. GAS	5 - 14	120,000	84,480	62.8/100	55,698	77.5/55	208/3/60	29.8	32.8	40	84.5/87/40.8	1,502	R-410A	15.8	8	1 - 10
RTU-6	DAIKIN DPS006A	ROOF	LEVEL 1 SOUTH OFFICES	270	2,675	1.5	0.5	100 / -20	NAT. GAS	5 - 14	120,000	84,480	62.7/100	65,396	79.7/55	208/3/60	32.9	36.6	50	84.5/87/40.8	1,502	R-410A	15.3	8	1 - 10
RTU-7	DAIKIN DPS010A	ROOF	OPEN OFFICE 019	930	5,210	1.5	0.5	100 / -20	NAT. GAS	5 - 14	300,000	211,200	55.6/100	116,514	79.7/55	208/3/60	50.5	54.9	70	112.7/96.5/56.8	2,517	R-410A	20	8	1 - 10
RTU-8	DAIKIN DPS016A	ROOF	CONFERENCE ROOM 011	1,170	7,860	1.5	0.5	100 / -20	NAT. GAS	5 - 14	450,000	316,800	61.5/100	176,711	77.9/55	208/3/60	99.5	111.2	150	185.9/76.5/82.5	3,875	R-410A	30.3	8	1 - 10

1. WITH DIGITAL SCROLLS & FULLY MODULATING DX COOLING CAPABILITY. CAPACITIES ARE TO BE AT SITE ELEVATION.
2. NATURAL GAS HEAT WITH MODULATING CONTROLS. HEATING SECTION IS TO HAVE AT LEAST 5:1 TURNDOWN. CAPACITIES ARE TO BE AT SITE ELEVATION.
3. PROVIDE FULL ECONOMIZER CAPABILITY AND ADDED STATIC PRESSURE CAPACITY BY INCLUDING POWERED EXHAUST AND BAROMETRIC RELIEF.
4. WITH INTEGRAL SUPPLY AND RELIEF FAN SPEED CONTROLLER, FACTORY MOUNTED ELECTRICAL DISCONNECT WITH HACR BREAKER.
5. WITH FOIL FACED INSULATION, HINGED PANELS, AND UNPOWERED CONVENIENCE OUTLET. CONNECT THE CONVENIENCE OUTLET TO A SEPARATE 115/120 VOLT POWER SOURCE.
6. PROVIDE UNIT WITH SMOKE DETECTOR IN THE SUPPLY & RETURN AIR PATH & A CONDENSATE OVERFLOW SWITCH.
7. PROVIDE A VIBRATION ISOLATION ROOF CURB FOR THE UNIT TO BE MOUNTED ON. CURB HEIGHT TO BE AT LEAST 14". CURB TO COMPENSATE FOR ANY SLOPE IN THE ROOF. UNIT IS TO HAVE NO SLOPE WHEN OPERATIONAL.
8. WITH FACTORY INSTALLED BACNET/MSTP CARD FOR CONNECTION TO THE EXISTING BUILDING MANAGEMENT SYSTEM.
9. WITH HIGH ALTITUDE CONVERSION KIT & ECONOMIZER HOOD.
10. CONFIGURE UNIT FOR BOTTOM/VERTICAL SUPPLY AND RETURN DUCT CONNECTIONS.
11. CONFIGURE UNIT FOR SIDE/HORIZONTAL SUPPLY AND RETURN DUCT CONNECTIONS.

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UNIT HEATER SCHEDULE																		
ID	MANUFACTURER AND MODEL NUMBER	LOCATION	AIR			CAPACITY			ELECTRICAL					PHYSICAL				NOTES
			AIRFLOW RATE (CFM)	RPM	MEDIUM	NATURAL GAS PRESSURE (IN WC)	HEATING INPUT (BTUH)	HEATING OUTPUT (BTUH)	MOTOR SIZE (HP)	VOLT/PH/HZ	TOTAL FLA	TOTAL MCA	DEPTH/WIDTH/HEIGHT (IN)	WEIGHT (LBS)	OUTSIDE AIR INLET DUCT SIZE (IN)	FLUE VENT SIZE (IN)		
UH-1	TRANE UHAA015ET-D0A	FIRE RISER 134	175	600	ELECTRIC	--	--	5,119	--	120/1/60	12.5	20	4/16/21	27	--	--	1, 2, 3	
UH-2	MARKEL HF3385D-RPT	VESTIBULE 100	175	700	ELECTRIC	--	--	7,679	--	208/1/60	10.8	--	4/17/21	27	--	--	1, 4	

1. HEATING CAPACITY IS AT SITE ELEVATION.
2. WITH BUILT-IN TAMPERPROOF THERMOSTAT SET FOR 55 DEGREES (ADJUSTABLE) & SURFACE MOUNTING KIT.
3. PROVIDE AN ADDITIONAL BMS-CONNECTED THERMOSTAT IN THE SAME SPACE SERVED BY THIS UNIT HEATER FOR TEMPERATURE ALARMS.
4. WITH BUILT-IN TAMPERPROOF THERMOSTAT SET FOR 55 DEGREES (ADJUSTABLE) & CEILING SURFACE MOUNTING KIT.

SPLIT SYSTEM SCHEDULE																		
ID	MANUFACTURER AND MODEL NUMBER	LOCATION	AIR			ELECTRICAL					PHYSICAL							NOTES
			AIRFLOW RATE (CFM)	HEATING OUTPUT (BTUH)	COOLING OUTPUT (BTUH)	VOLT/PH/HZ	FLA	MCA	MOC	LENGTH/WIDTH/HEIGHT (IN)	WEIGHT (LBS)	REFRIG. TYPE	REFRIG. CHARGE (LBS)	GAS PIPE SIZE (IN)	LIQUID PIPE SIZE (IN)			
SPS-1-1	DAIKIN FTK24AXVJU	MECH/ELEC 018	1,908	--	21,200	208/1/60	0.5	13.4	20	40/12/12	31	--	--	5/8	1/4	1, 2, 3, 5, 6, 7, 8		
SPS-1-2	DAIKIN RK24AXVJU	ROOF	--	--	--	208/1/60	14	13.4	20	36/14/28	106	R-410A	3.86	5/8	1/4	2, 4, 8		

1. COOLING-ONLY SPLIT SYSTEM
2. WEATHER PROOF ROOF PENETRATIONS
3. UNIT TO BE PROVIDED WITH A CONDENSATE PUMP. RUN CONDENSATE PIPING FROM THIS UNIT TO THE NEAREST JANITOR'S SINK.
4. UNIT TO BE MOUNTED ON A 14" HIGH EQUIPMENT ROOF CURB.
5. WITH LOW AMBIENT KIT.
6. SET LINE VOLTAGE THERMOSTAT FOR 70 DEGREES (ADJUSTABLE). PROVIDE AN ADDITIONAL BMS-CONNECTED TEMPERATURE SENSOR IN THE SPACE FOR TEMPERATURE ALARMS.
7. RUN REFRIGERANT PIPING UP THROUGH THE ROOF TO CONNECT TO THE OUTDOOR UNIT. WEATHER SEAL ALL ROOF PENETRATIONS.
8. WITH COMMUNICATIONS INTERFACE CARD FOR REMOTE MONITORING. TIE THIS UNIT INTO THE BUILDING MANAGEMENT SYSTEM.

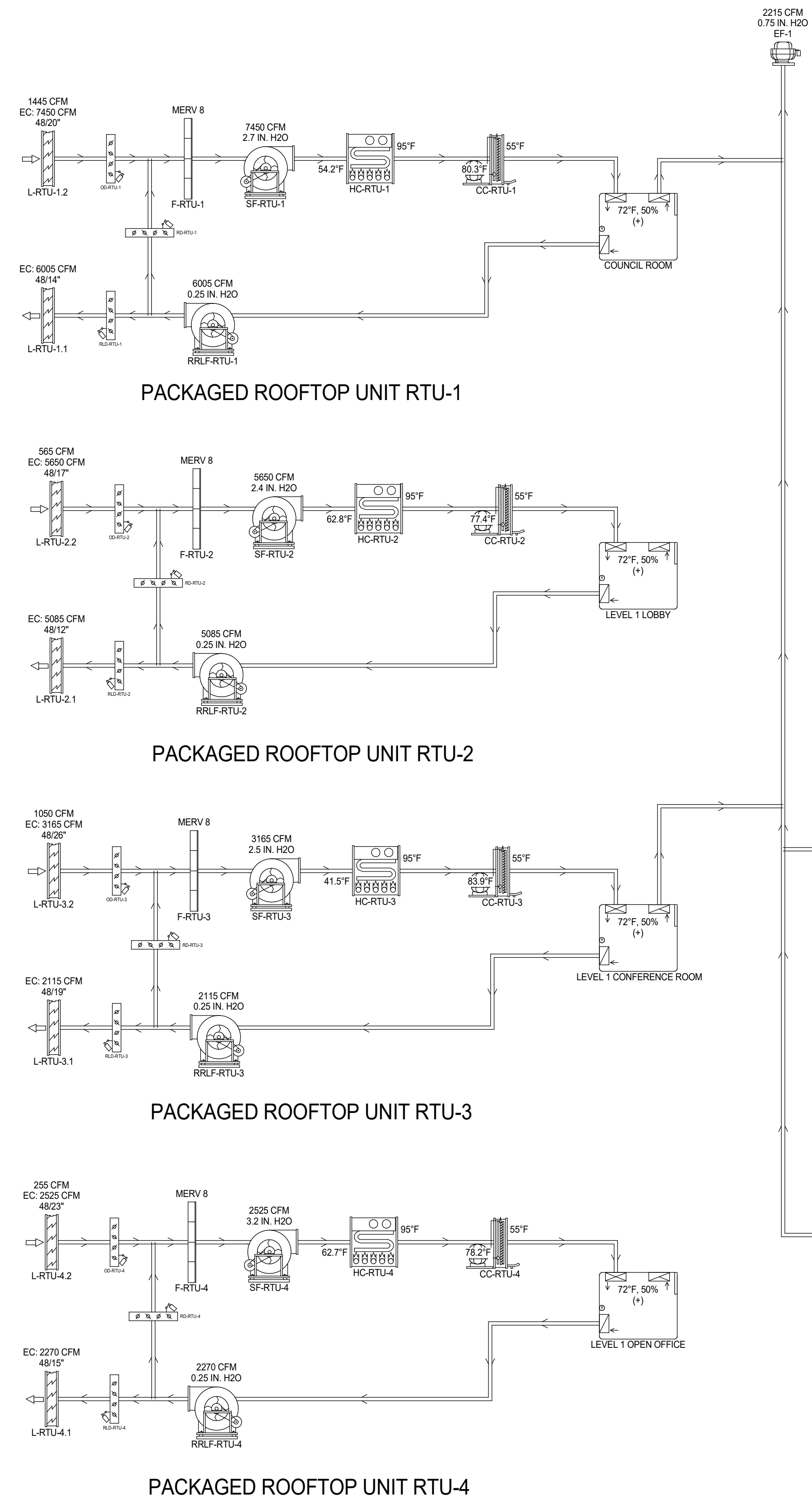
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PROJECT #: 821239
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 CHECKED BY: KJM
 ISSUED: 03.31.2022

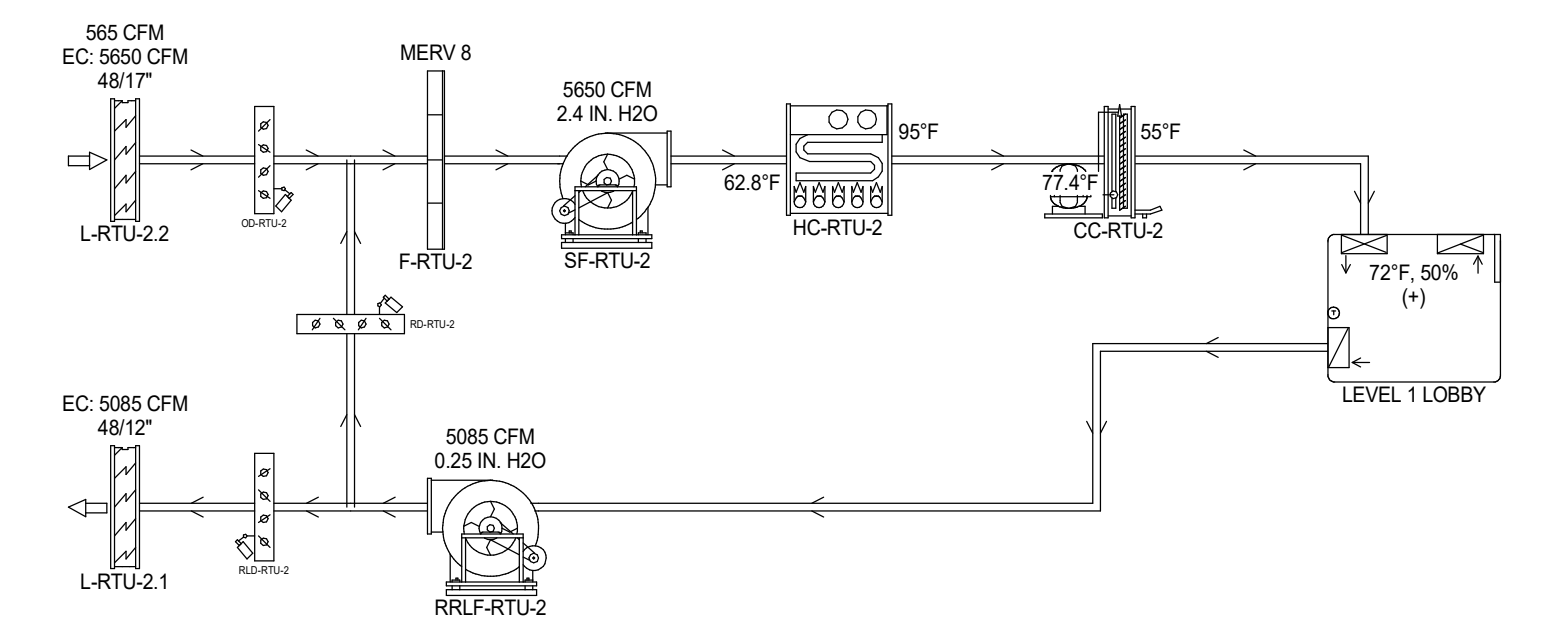
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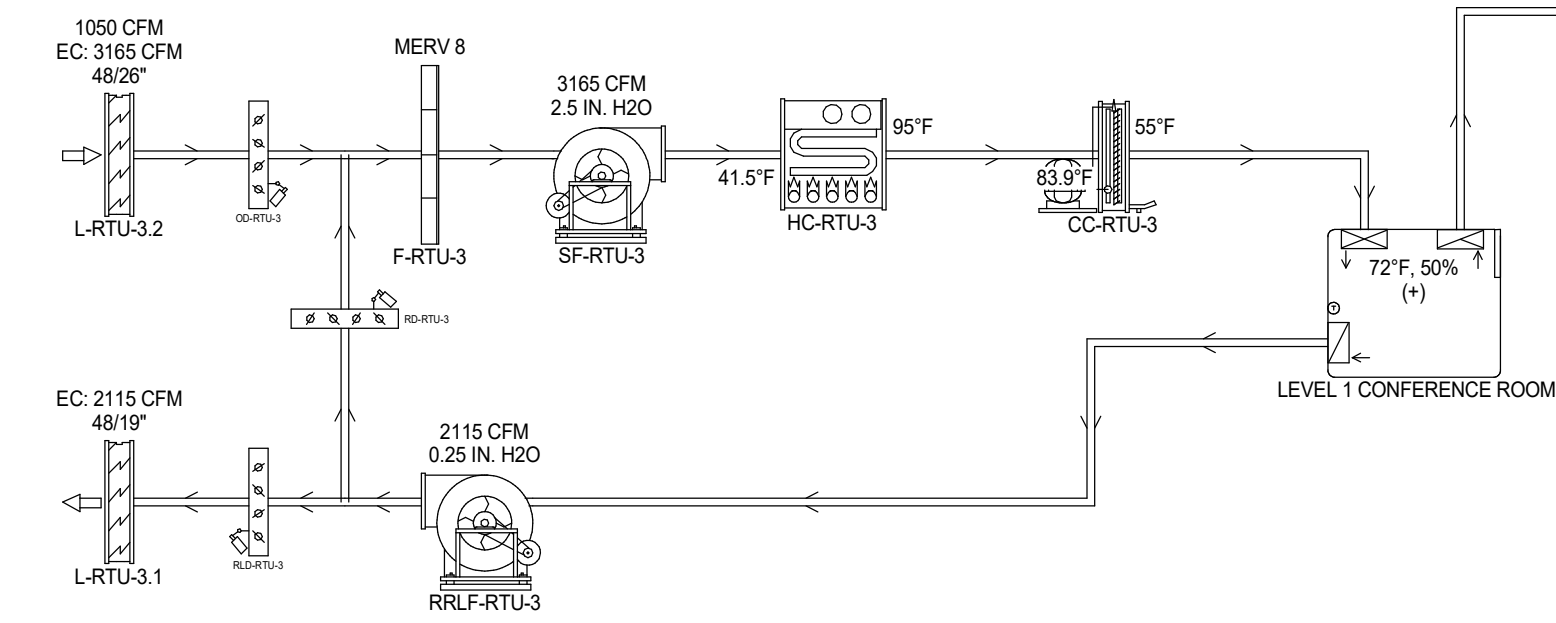
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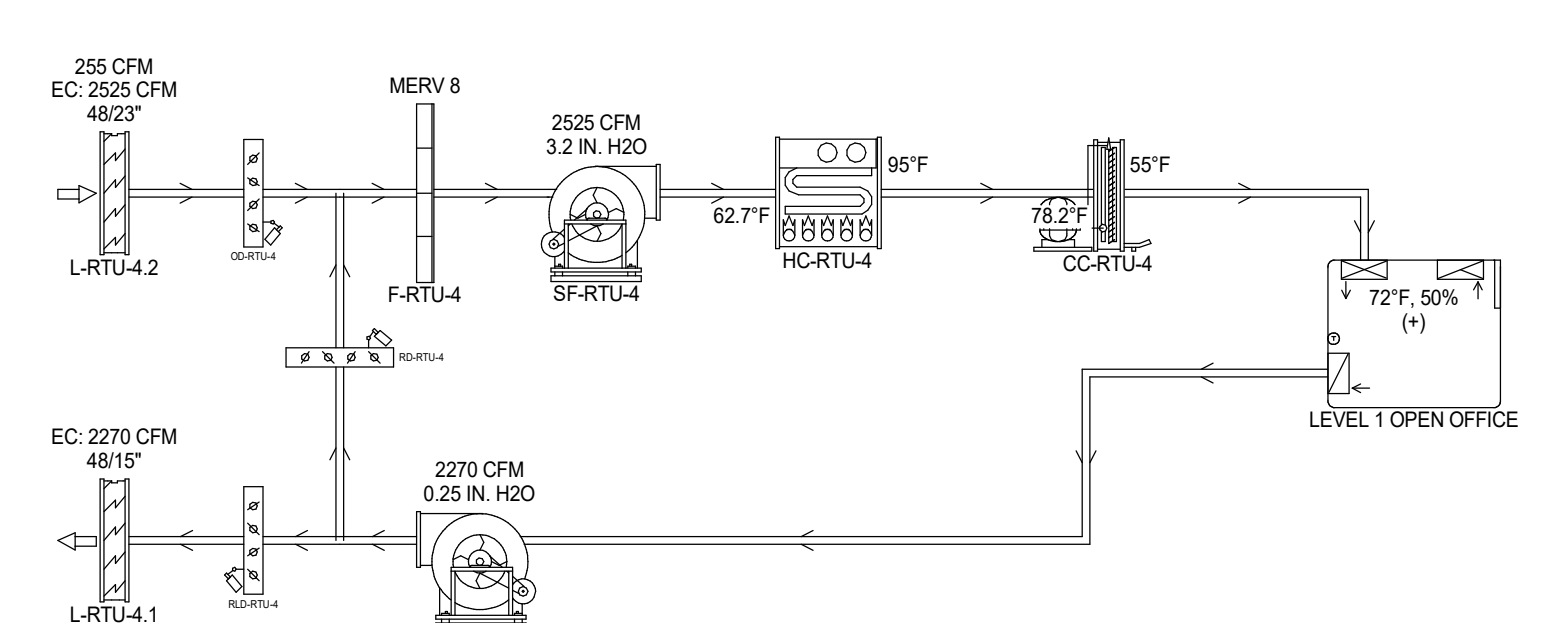
PACKAGED ROOFTOP UNIT RTU-1



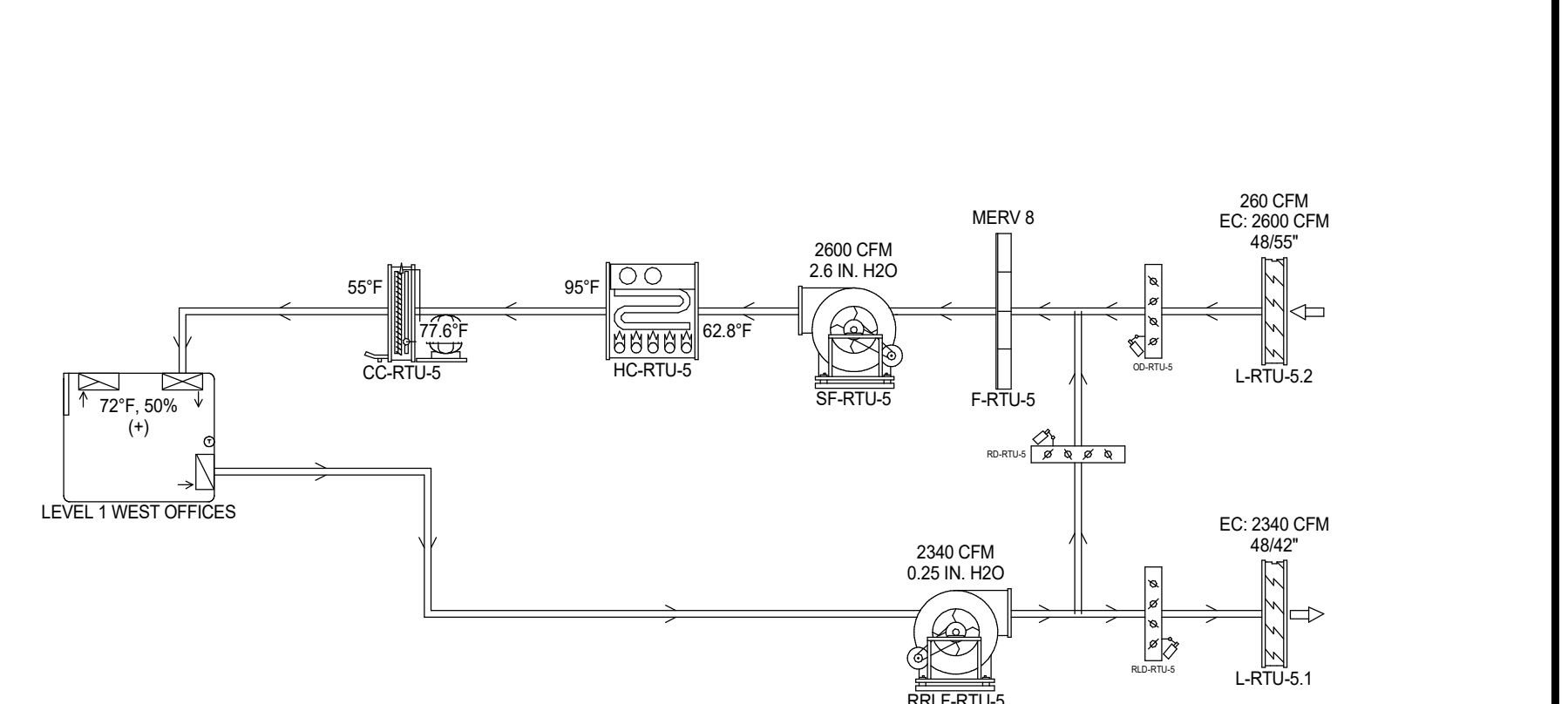
PACKAGED ROOFTOP UNIT RTU-2



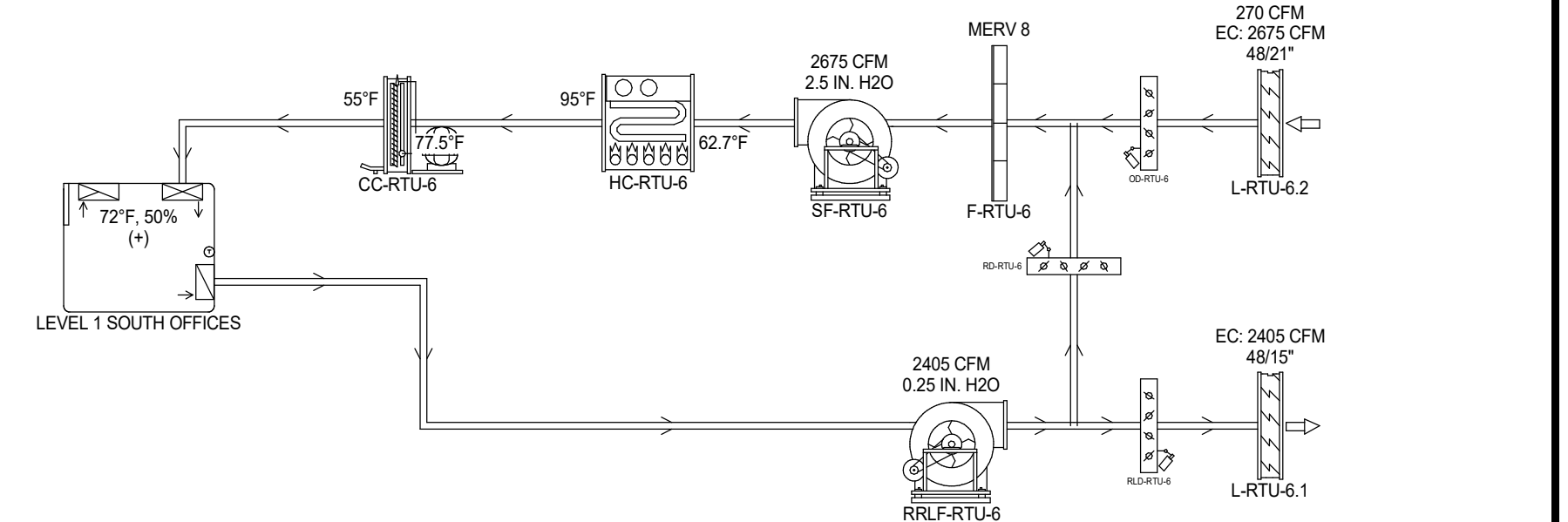
PACKAGED ROOFTOP UNIT RTU-3



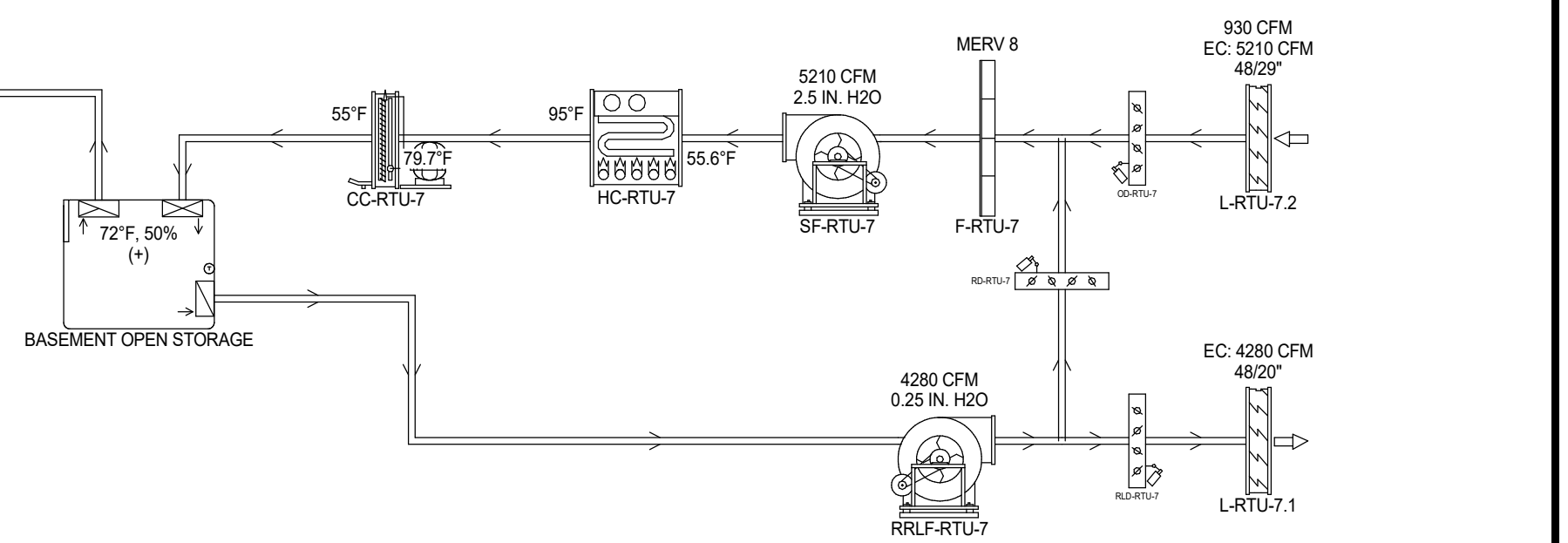
PACKAGED ROOFTOP UNIT RTU-4



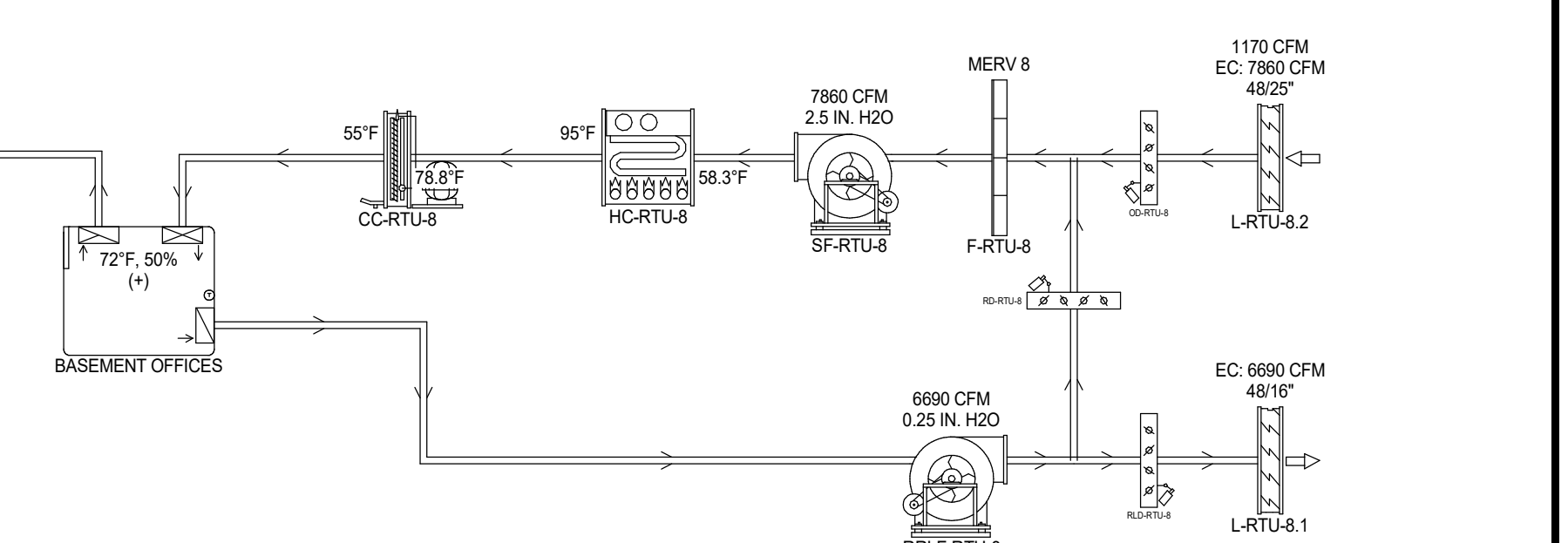
PACKAGED ROOFTOP UNIT RTU-5



PACKAGED ROOFTOP UNIT RTU-6



PACKAGED ROOFTOP UNIT RTU-7



PACKAGED ROOFTOP UNIT RTU-8

1 HVAC SYSTEM AIRFLOW SCHEMATICS
NTS

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MECHANICAL SCHEMATICS
M701

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 SALT LAKE CITY, UT 84103

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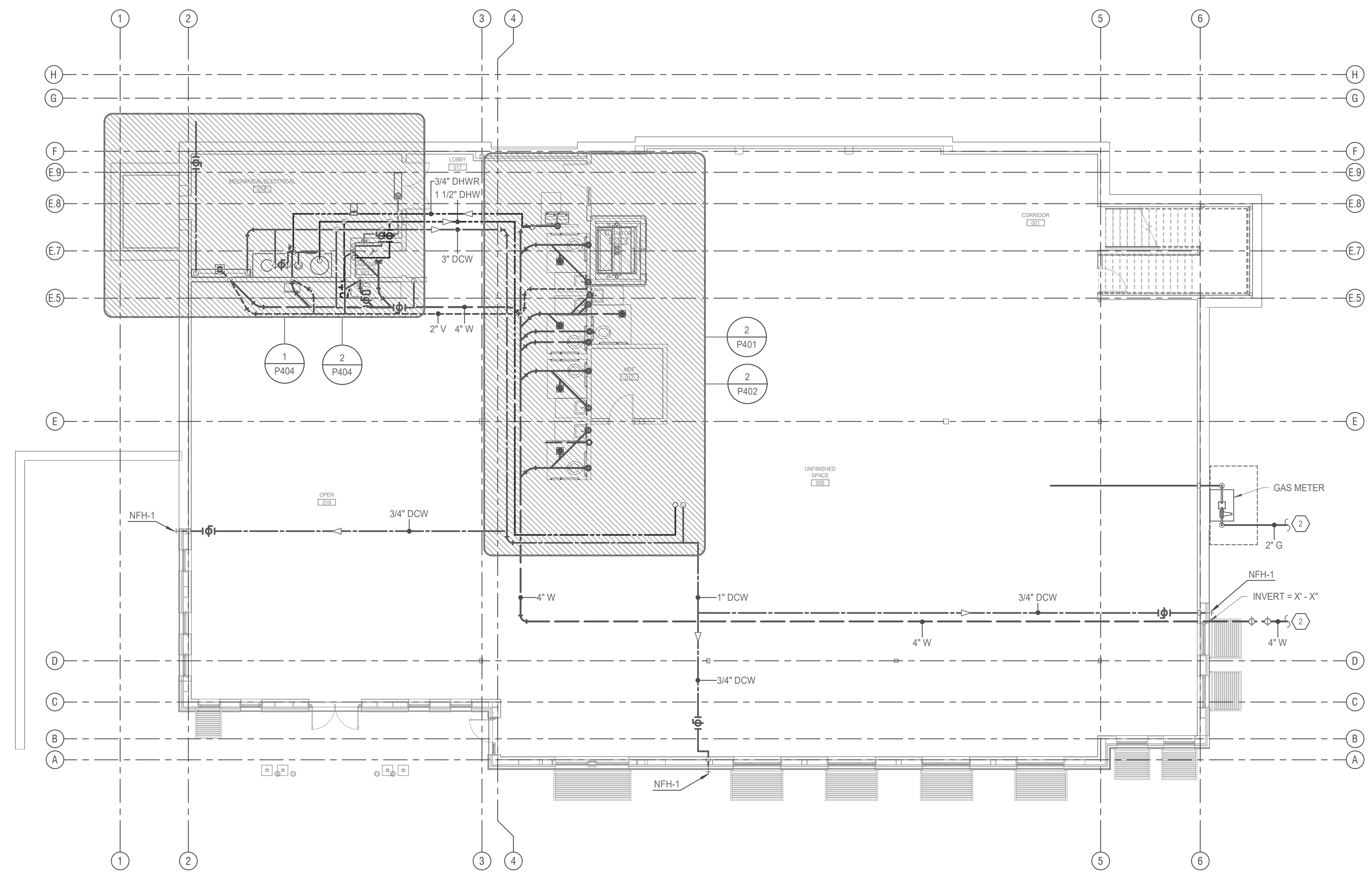
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BASEMENT
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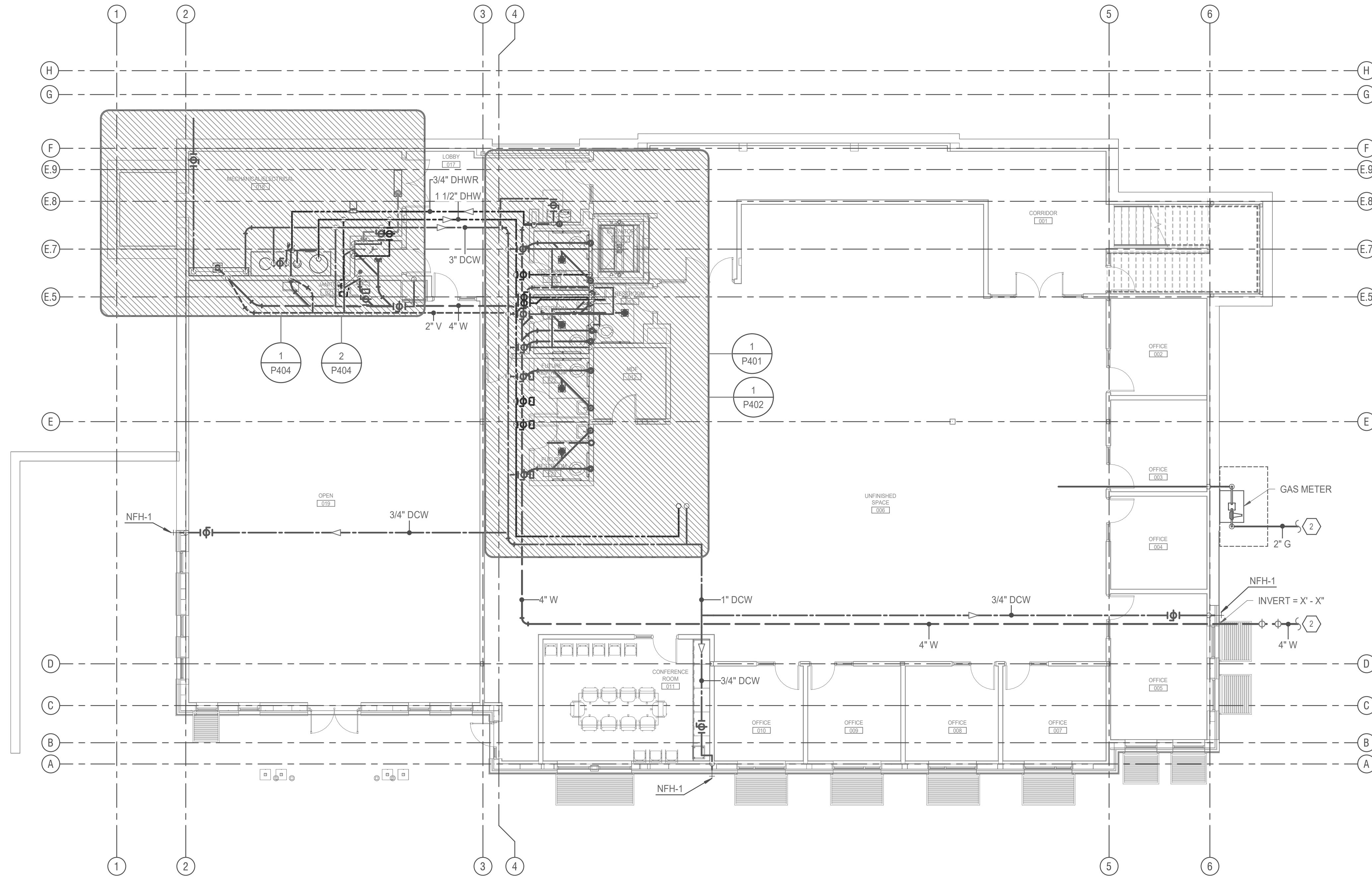
P100

- KEYED NOTES**
1. DROP THE PUMPED CONDENSATE PIPE DOWN INSIDE THE WALL AND PENETRATE THROUGH THE LOW WALL 3" ABOVE THE RIM OF THE SERVICE SINK. PROVIDE A 90-DEGREE BEND DOWN TOWARDS THE SERVICE SINK BASIN. THE CONDENSATE IS TO DUMP INTO THE BASIN OF THE SERVICE SINK.
 2. REFER TO CIVIL DRAWINGS FOR THE CONTINUATION OF THIS PIPING.
 3. INSTALL THE WATER HEADER IN THIS LOCATION.
 4. STUB THE 2" WASTE PIPING UP INTO THE WALL FOR THE FUTURE SINK IN THIS LOCATION.



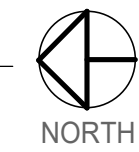
1 BASEMENT PLUMBING PLAN
 1/8" = 1'-0"

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- ### KEYED NOTES
1. DROP THE PUMPED CONDENSATE PIPE DOWN INSIDE THE WALL AND PENETRATE THROUGH THE LOW WALL 3" ABOVE THE RIM OF THE SERVICE SINK. PROVIDE A 90-DEGREE BEND DOWN TOWARDS THE SERVICE SINK BASIN. THE CONDENSATE IS TO DUMP INTO THE BASIN OF THE SERVICE SINK.
 2. REFER TO CIVIL DRAWINGS FOR THE CONTINUATION OF THIS PIPING.
 3. INSTALL THE WATER HEADER IN THIS LOCATION.
 4. STUB THE 2" WASTE PIPING UP INTO THE WALL FOR THE FUTURE SINK IN THIS LOCATION.

1 BASEMENT PLUMBING PLAN - BID ALTERNATE
 1/8" = 1'-0"



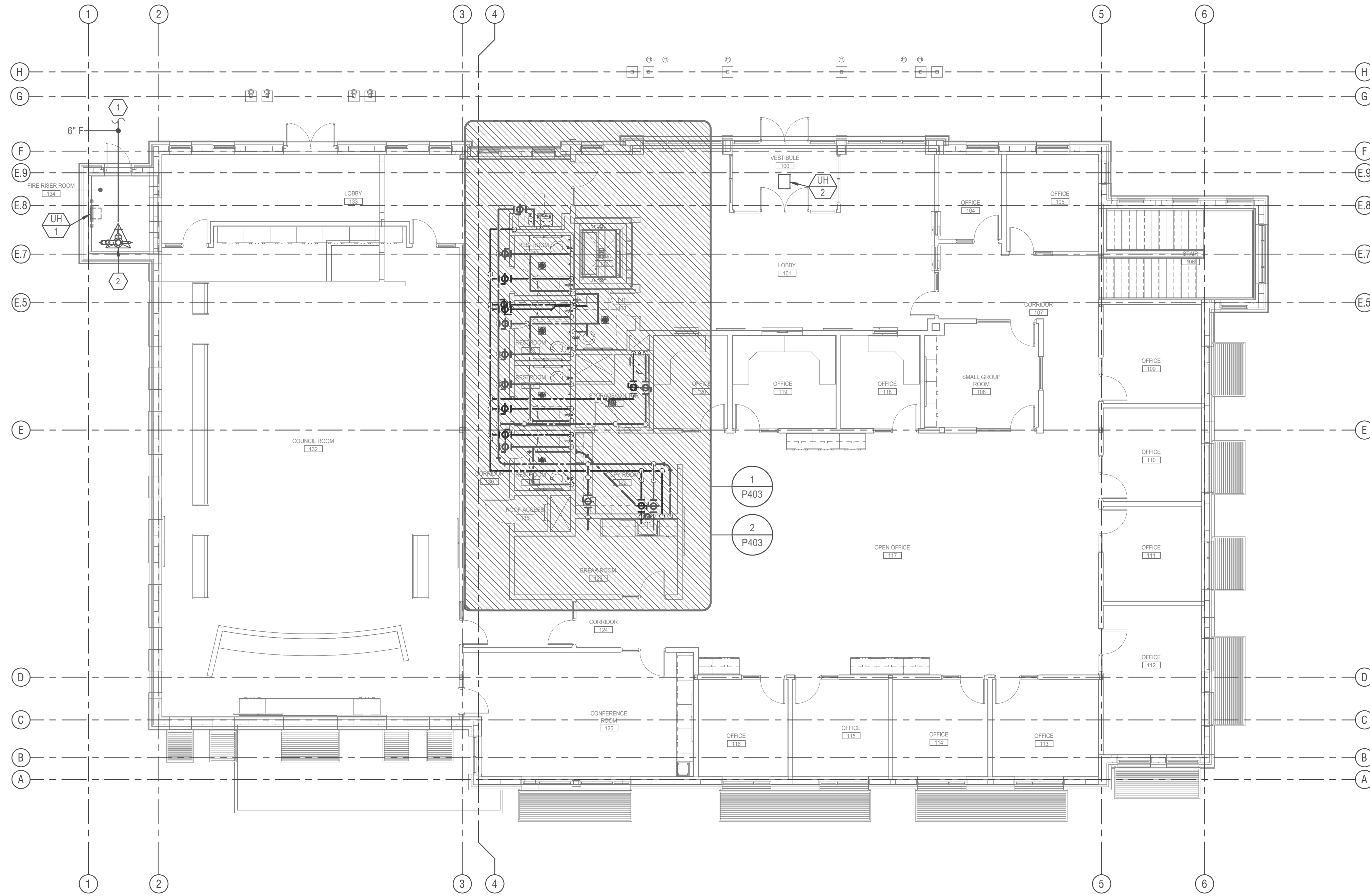
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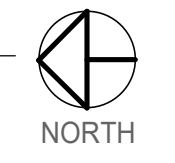
BASEMENT
 PLUMBING PLAN -
 BID ALTERNATE

P100A



- ### KEYED NOTES
- REFER TO THE CIVIL PLANS FOR THE CONTINUATION OF THIS PIPING.
 - FIRE RISER TO BE INSTALLED IN THIS LOCATION.

1 FIRST FLOOR PLUMBING PLAN
1/8" = 1'-0"

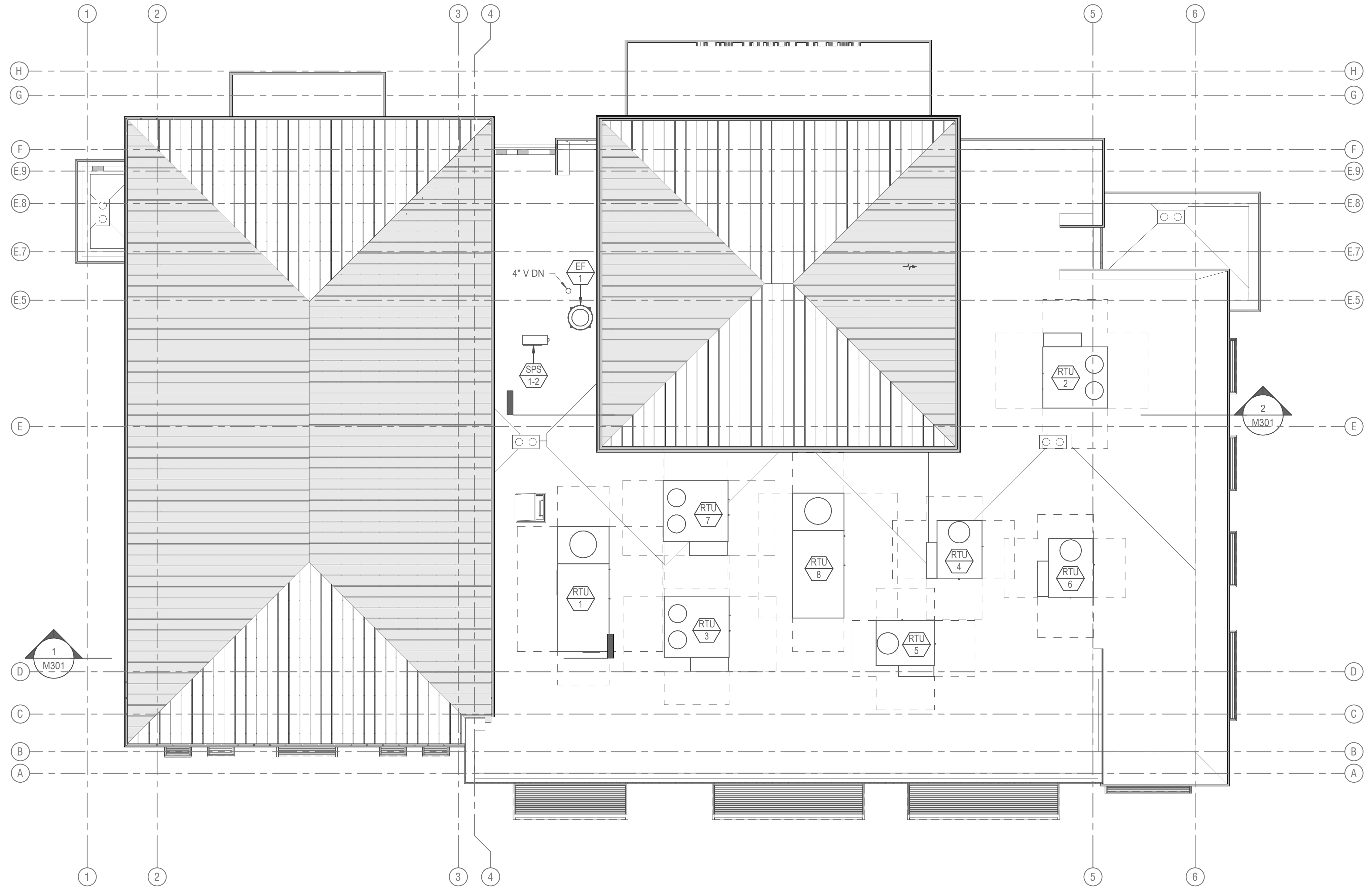


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#	KEYED NOTES
1.	--

1 ROOF PLUMBING PLAN
1/8" = 1'-0"



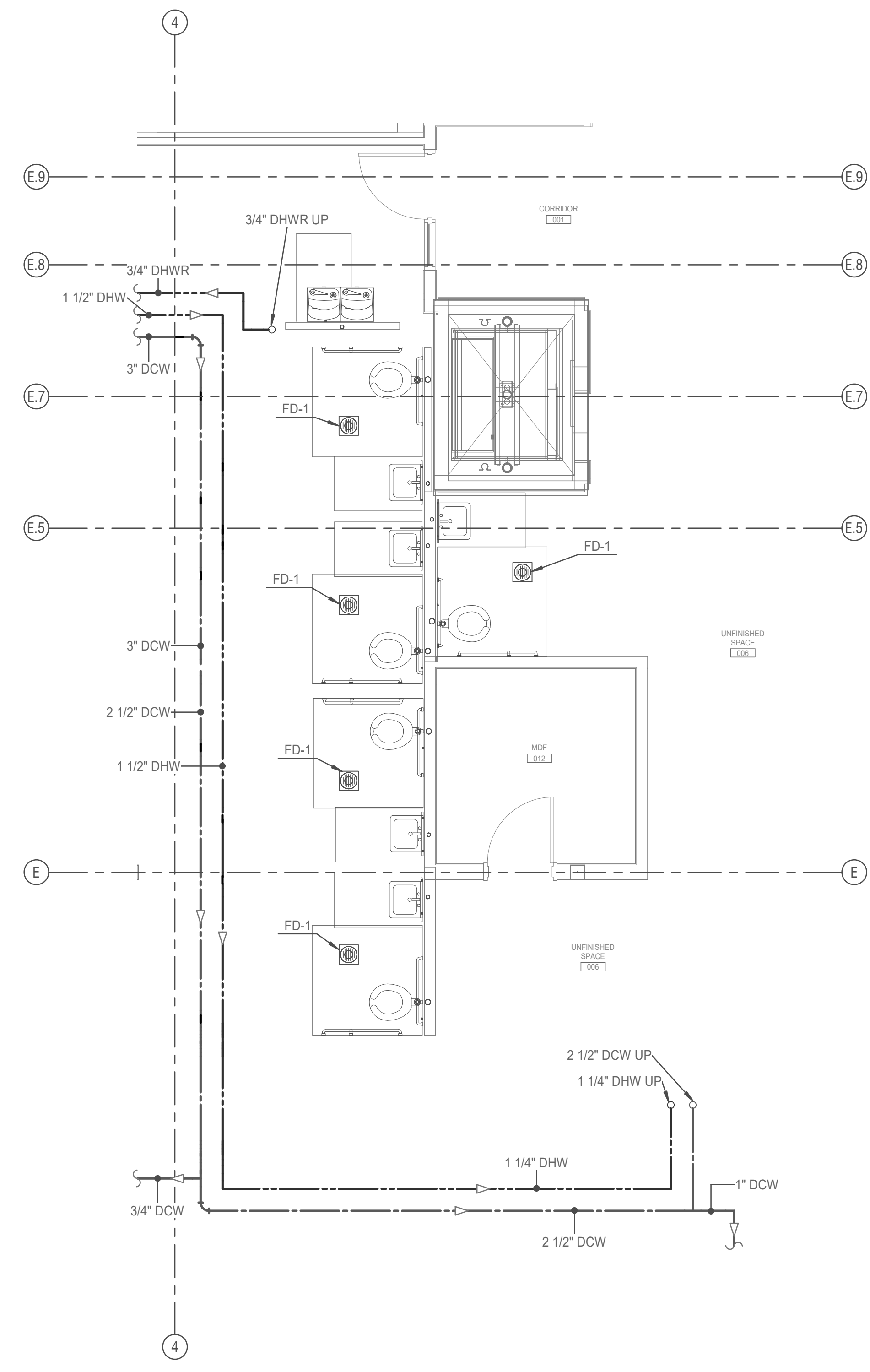
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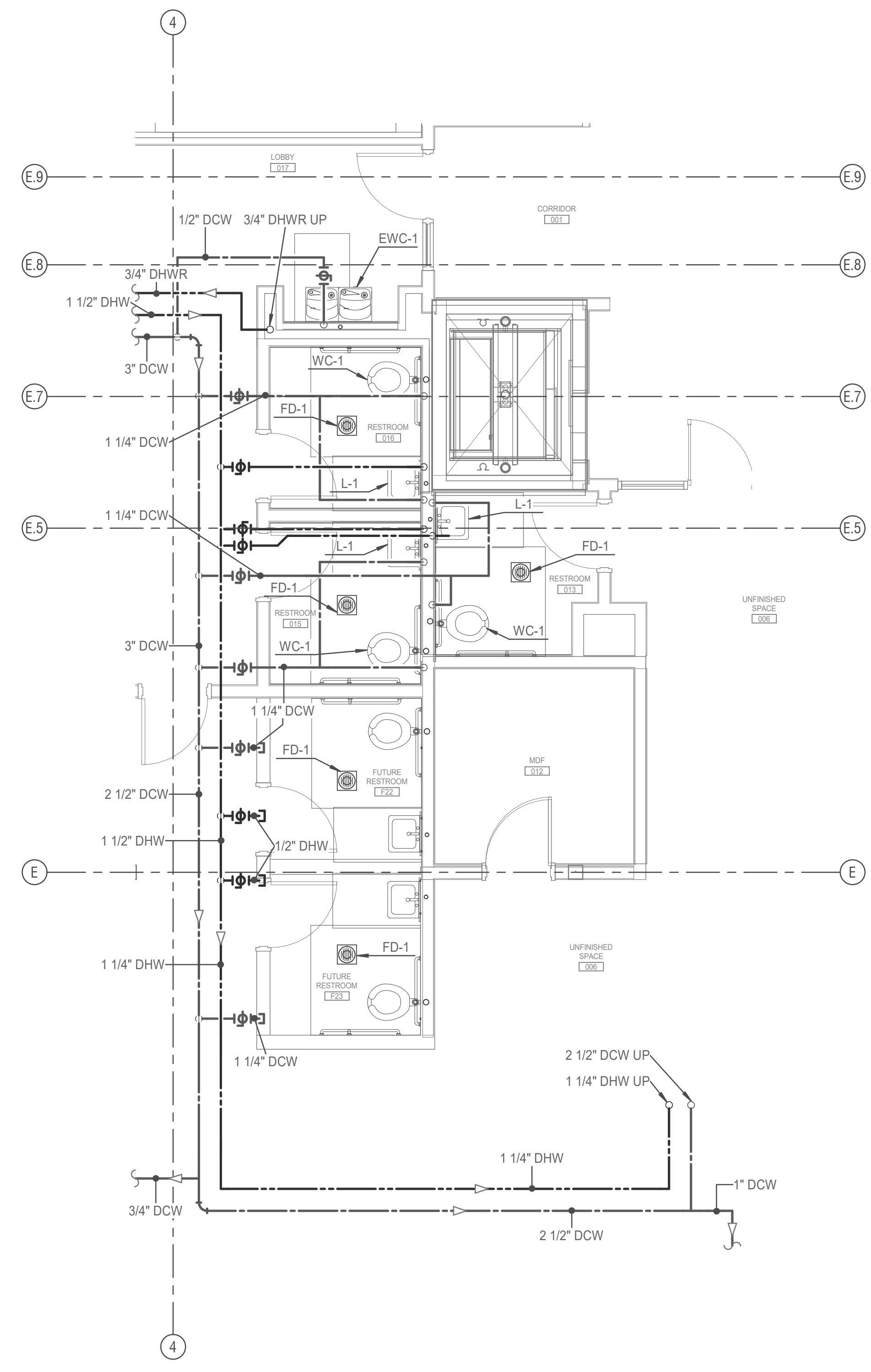
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#	KEYED NOTES
1.	--



2 BASEMENT ENLARGED PLUMBING SUPPLY PLAN
 1/4" = 1'-0"
 NORTH



1 BASEMENT ENLARGED PLUMBING SUPPLY PLAN - BID ALTERNATE
 1/4" = 1'-0"
 NORTH

MARK	DATE	DESCRIPTION

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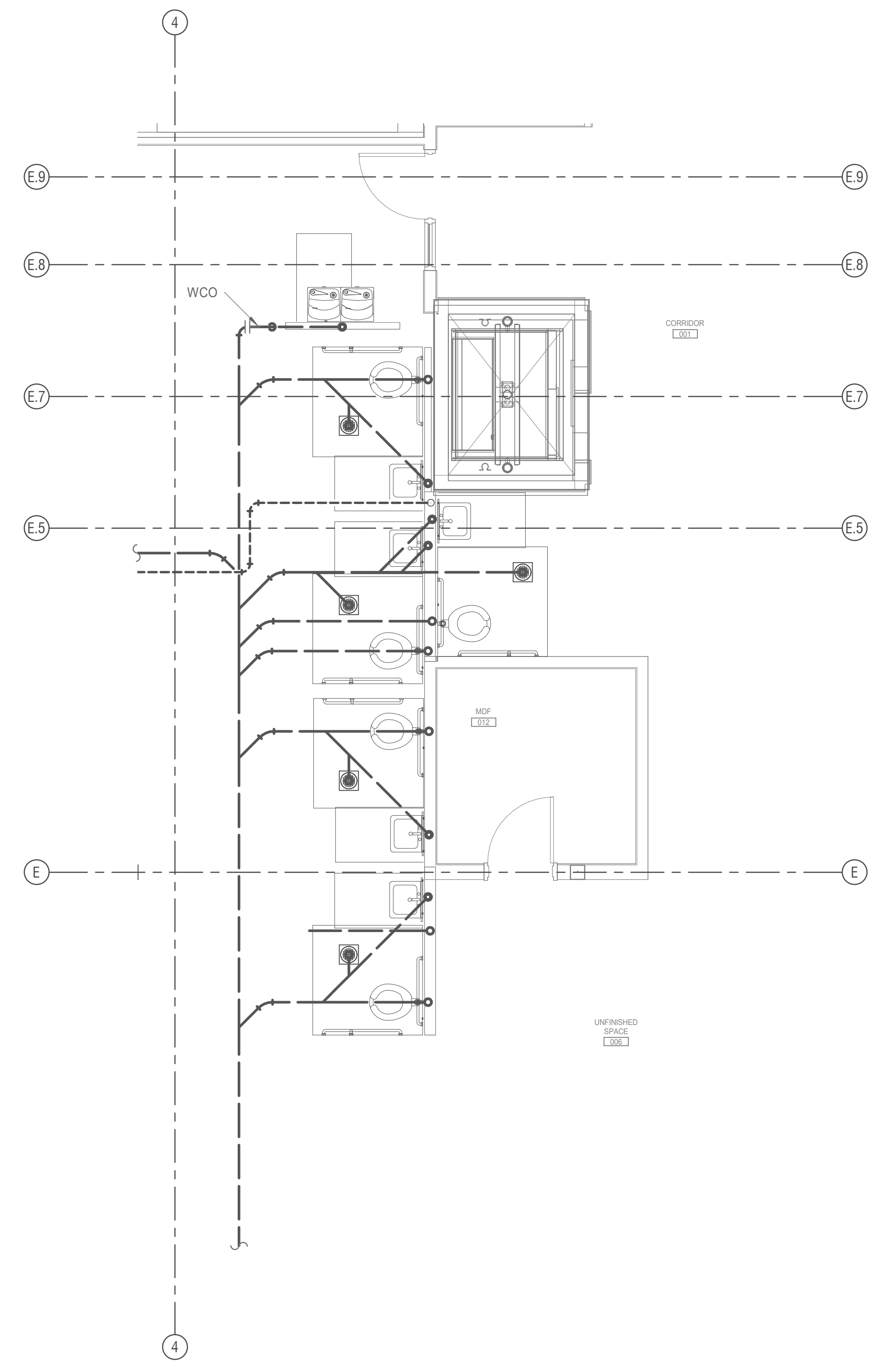
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BASEMENT ENLARGED PLUMBING SUPPLY PLANS

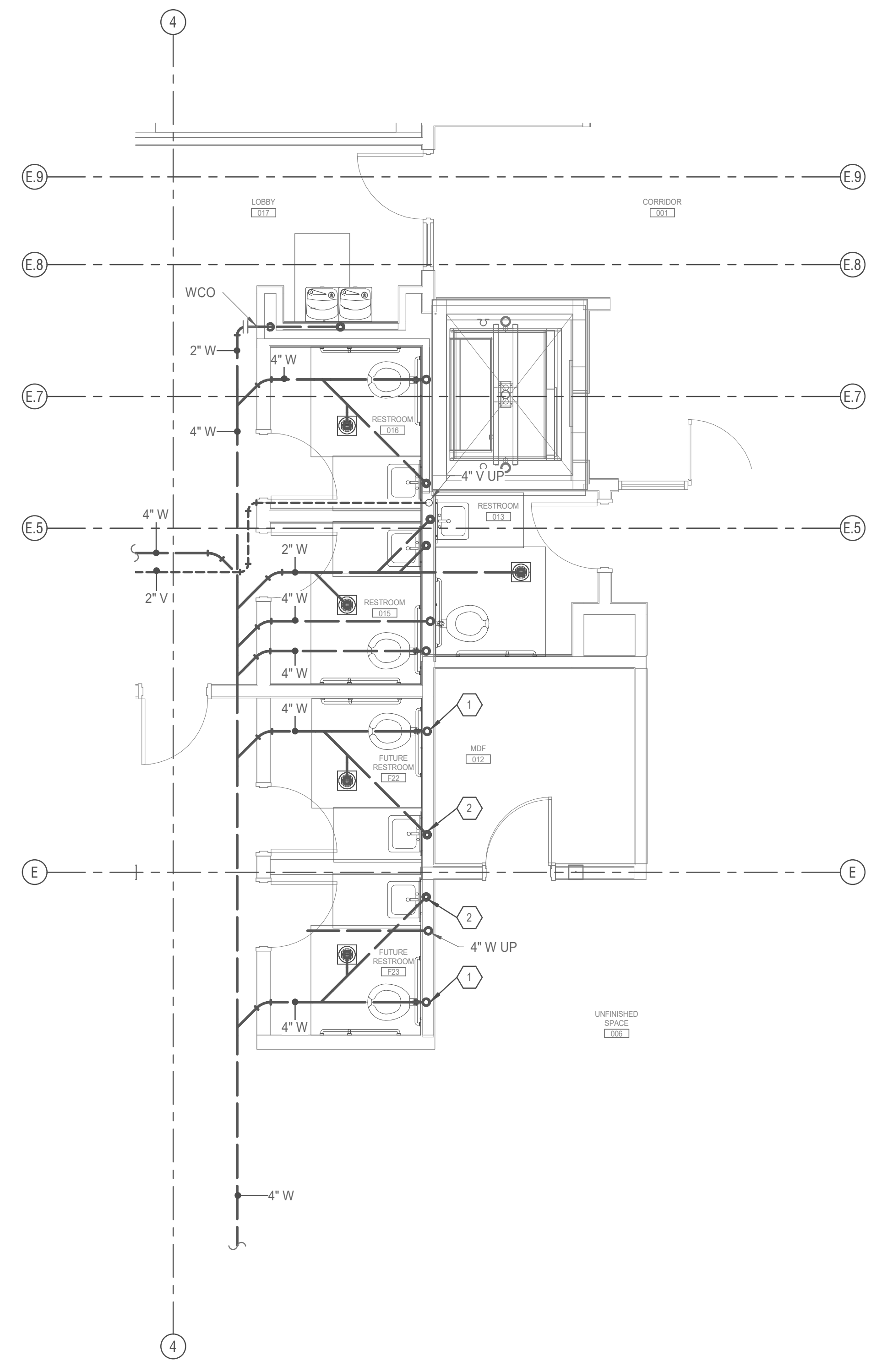
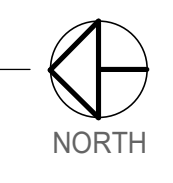
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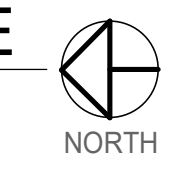
3/1/2022 2:30:28 PM Autodesk Docs: 821239 - North Logan City - Civic Center - 22.rvt



2 BASEMENT ENLARGED PLUMBING DRAIN & VENT PLAN
1/4" = 1'-0"



1 BASEMENT ENLARGED PLUMBING DRAIN & VENT PLAN - BID ALTERNATE
1/4" = 1'-0"



- KEYED NOTES**
1. STUB THE 4" WASTE & 2" VENT PIPING INTO THE WALL FOR THE FUTURE WATER CLOSET IN THIS LOCATION.
 2. STUB THE 2" WASTE & 1-1/2" VENT PIPING INTO THE WALL FOR THE FUTURE LAVATORY IN THIS LOCATION.

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BASEMENT ENLARGED PLUMBING DRAIN & VENT PLANS

P402

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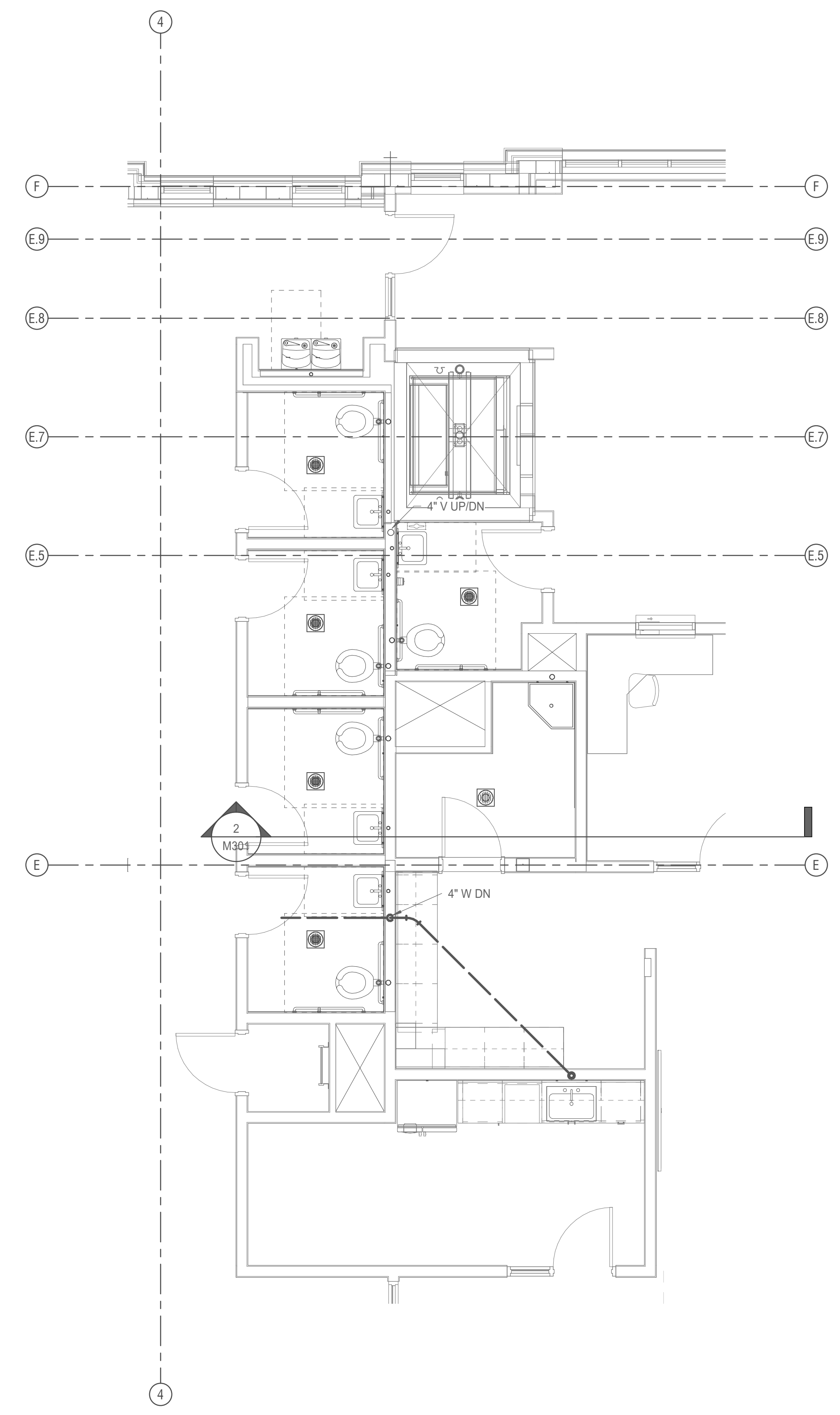
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FIRST FLOOR
 ENLARGED
 PLUMBING PLANS

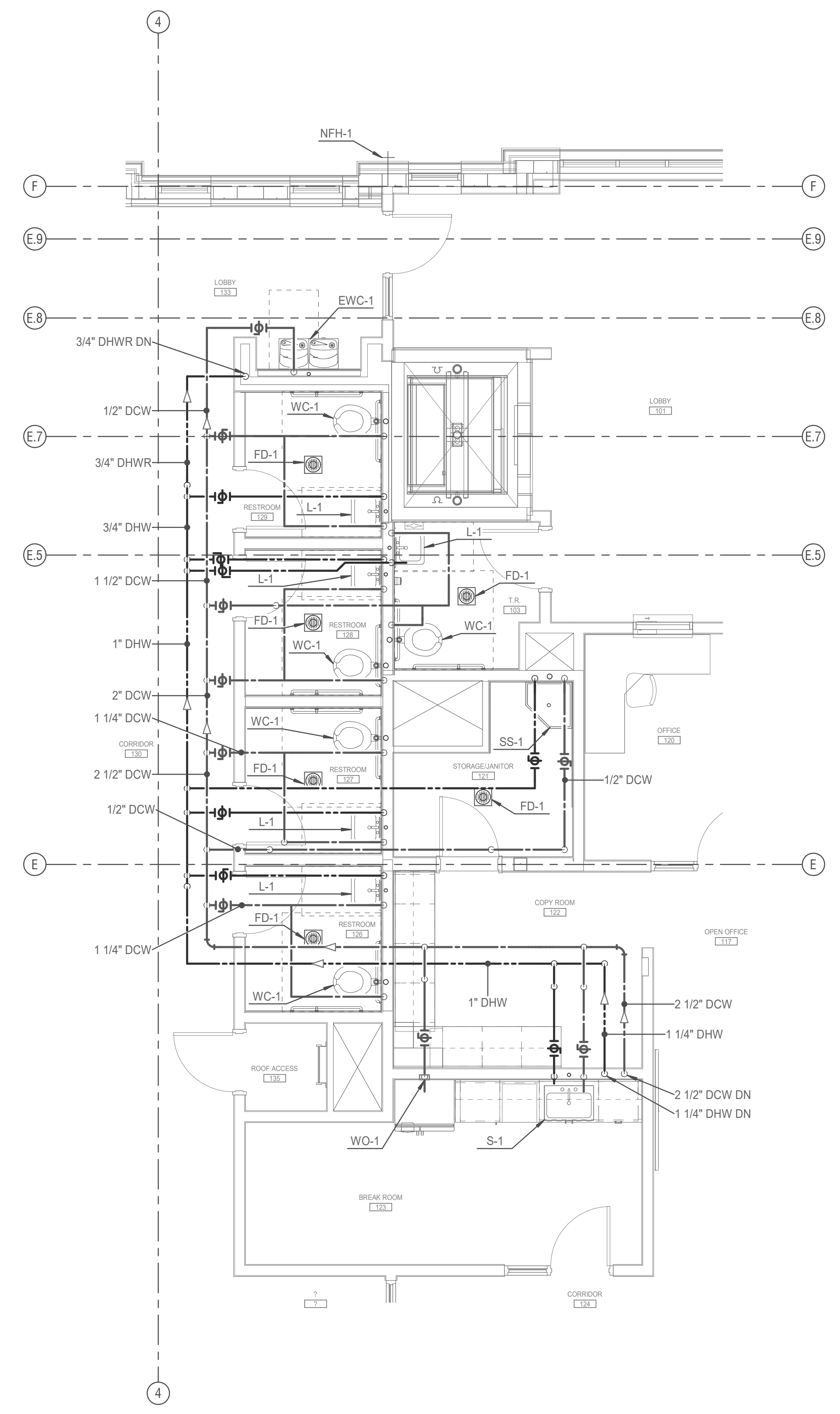
P403

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#	KEYED NOTES
1.	--



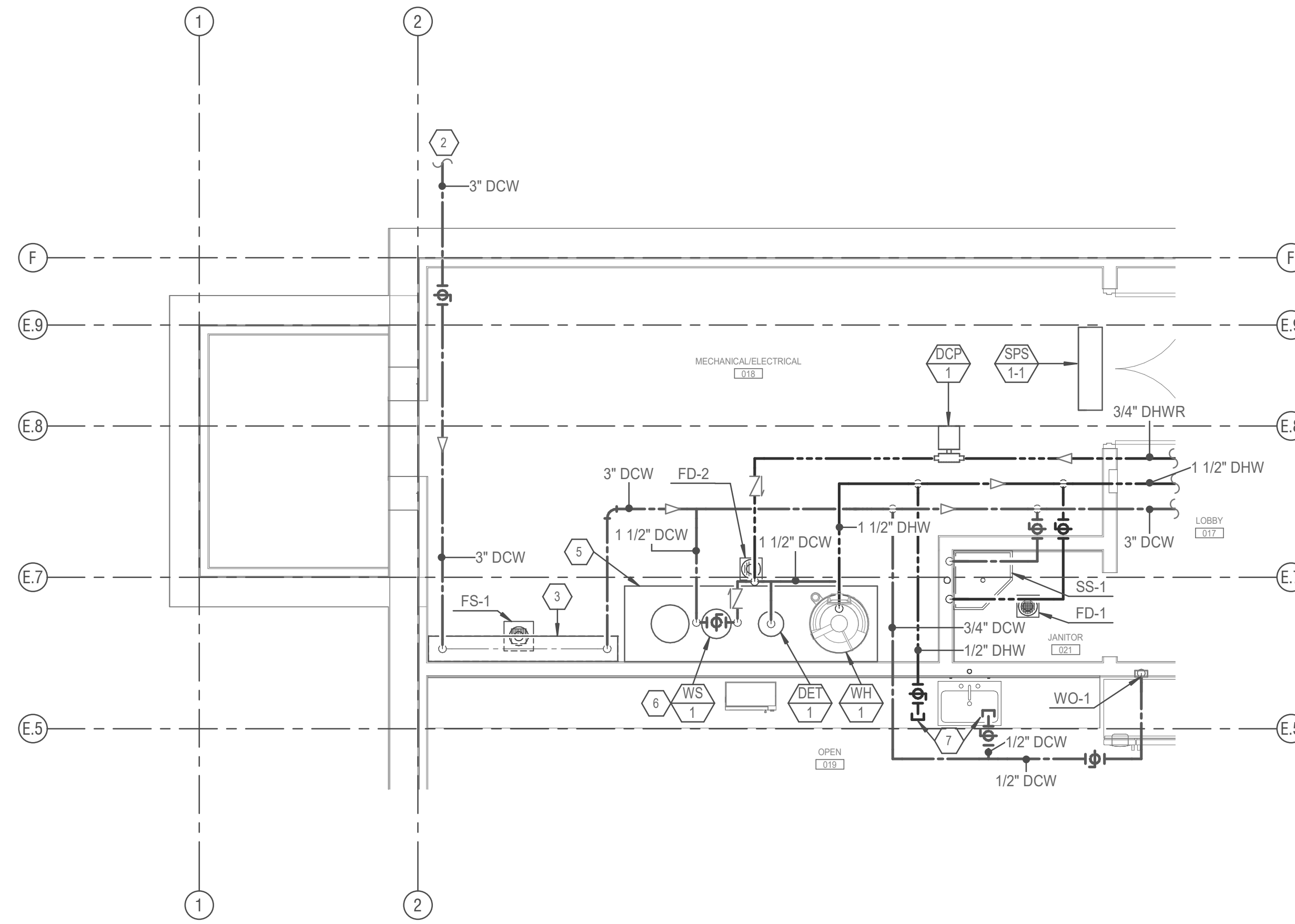
2 FIRST FLOOR ENLARGED PLUMBING DRAIN & VENT PLAN
 1/4" = 1'-0"
 NORTH



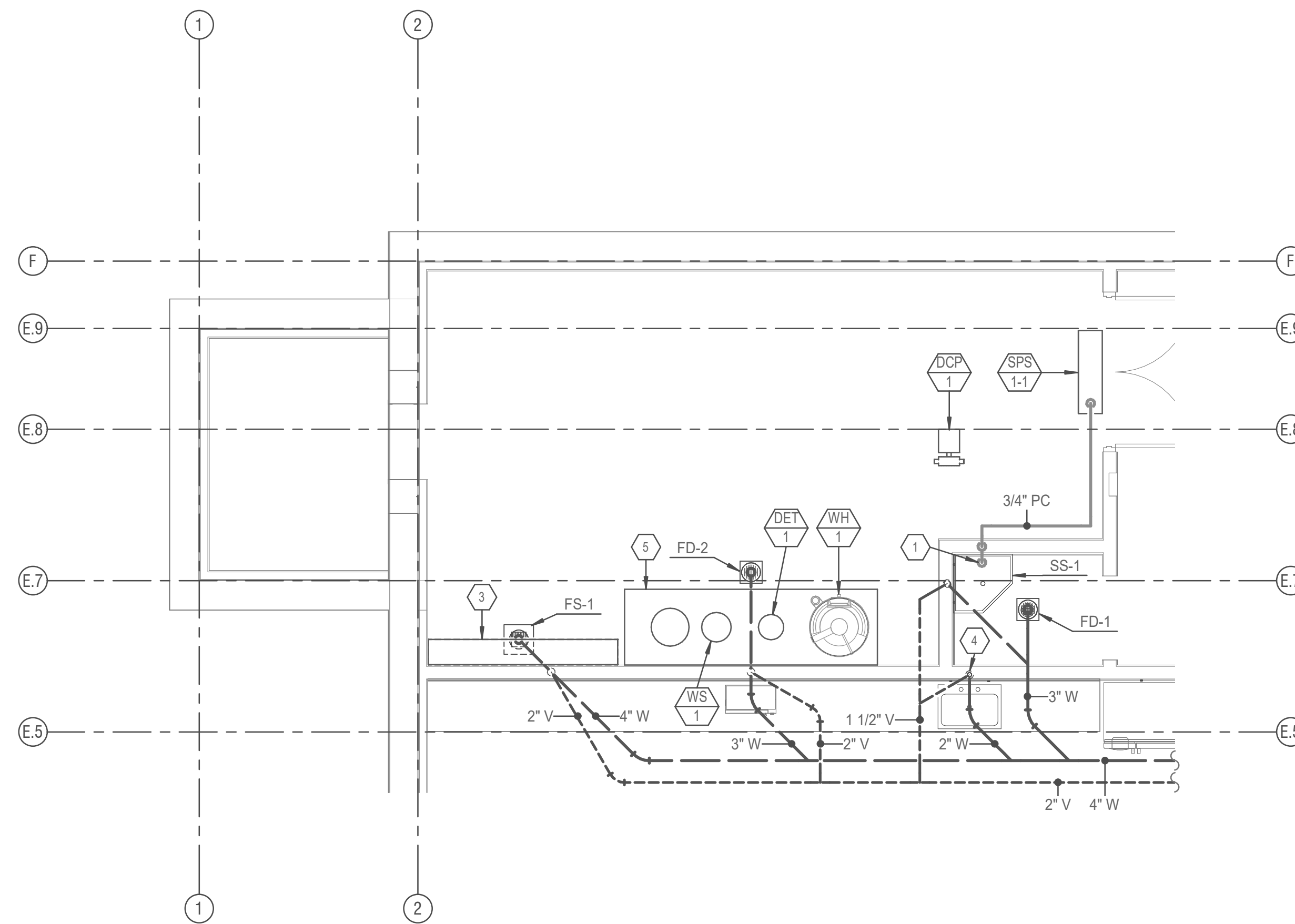
1 FIRST FLOOR ENLARGED PLUMBING SUPPLY PLAN
 1/4" = 1'-0"
 NORTH

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1 MECHANICAL ROOM PLUMBING SUPPLY PLAN
1/4" = 1'-0"



2 MECHANICAL ROOM PLUMBING DRAIN & VENT PLAN
1/4" = 1'-0"



- ### # KEYED NOTES
- DROP THE PUMPED CONDENSATE PIPE DOWN INSIDE THE WALL AND PENETRATE THROUGH THE LOW WALL 3" ABOVE THE RIM OF THE SERVICE SINK. PROVIDE A 90-DEGREE BEND DOWN TOWARDS THE SERVICE SINK BASIN. THE CONDENSATE IS TO DUMP INTO THE BASIN OF THE SERVICE SINK.
 - REFER TO CIVIL DRAWINGS FOR THE CONTINUATION OF THIS PIPING.
 - INSTALL THE WATER HEADER IN THIS LOCATION.
 - STUB THE 2" WASTE & 1-1/2" VENT PIPING INTO THE WALL FOR THE FUTURE SINK IN THIS LOCATION.
 - 6" HIGH CONCRETE MECHANICAL EQUIPMENT PAD.
 - PROVIDE A SHUT OFF VALVE ON THE INLET, OUTLET, AND BYPASS LINE OF THE WATER SOFTENER.
 - PROVIDE A SHUT OFF VALVE & CAP ON THE 1/2" DOMESTIC COLD WATER & DOMESTIC HOT WATER PIPING ABOVE THE CEILING THAT WILL SERVE THE FUTURE SINK IN THIS LOCATION.

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MECHANICAL ROOM
ENLARGED
PLUMBING PLANS

P404

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DOMESTIC EXPANSION TANK SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	FLUID		PHYSICAL				NOTES
				WORKING FLUID	MIN. TANK/ ACCEPTANCE (GAL)	TANK SIZE (GAL)	RELIEF VALVE (PSIG)	DIA/ HEIGHT (IN)	NPT FITTING (IN)	
DET-1	AMTROL ST-20VC-DD	MECH. ROOM	DIAPHRAGM	WATER	3.2	8.6	100	12/22	3/4	1

1. TANK LINER SUITABLE FOR POTABLE WATER

DOMESTIC PUMP SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	FLUID			PUMP		ELECTRICAL				NOTES
				FLOW RATE (GPM)	WORKING FLUID	HEAD LOSS (FT)	EFFICIENCY (%)	CONSTRUCTION	MOTOR SIZE (HP)	MOTOR BHP (HP)	MOTOR SPEED (RPM)	VOLT/PH/Hz	
DCP-1	BELL & GOSSETT PL-36	MECH RM.	IN-LINE	3	WATER	18	NA	ALL BRONZE	1/6	NA	3300	115/1/60	

NATURAL GAS REQUIREMENTS

EQUIP. NO.	QTY.	LOCATION	EQUIPMENT	EQUIP BTUH INPUT	TOTAL CFH
RTU-1	1	ROOF	HVAC RTU	450,000	511
RTU-2	1	ROOF	HVAC RTU	300,000	341
RTU-3	1	ROOF	HVAC RTU	200,000	227
RTU-4	1	ROOF	HVAC RTU	120,000	136
RTU-5	1	ROOF	HVAC RTU	120,000	136
RTU-6	1	ROOF	HVAC RTU	120,000	136
RTU-7	1	ROOF	HVAC RTU	300,000	341
RTU-8	1	ROOF	HVAC RTU	450,000	511
WH-1	1	MECH ROOM 1304	DOM. WATER HEATER	120,000	136
TOTAL (BTUH) = 2,180,000					
BTU/CUBIC FT. = 880					
TOTAL CFH= 2477					

2 PSIG GAS METER WITH EARTHQUAKE VALVE ON CONCRETE PAD
BY GAS SUPPLIER PAID FOR BY CONTRACTOR.

GAS FIRED WATER HEATER SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	SERVICE	INPUT LOAD (BTUH)	EFFICIENCY (%)	TYPE	RECOVERY RATE @ 100 F DELTA T	TANK SIZE (GAL)	FLUE SIZE (IN)	HEIGHT/ DIAMETER (IN)	ELECTRICAL		NOTES
											(KW)	V/PH	
WH-1	A.O. SMITH BTH-120(A)	MECH. ROOM	120 DEG	120,000	95	SEALED COMBUSTION	138 GPH	60	3/3	56/28	NA	115/1	1, 2, 3

- WITH A.O. SMITH MODEL 100111100 CONCENTRIC VENT KIT.
- WITH A.O. SMITH MODEL 100289339 CONDENSATE NEUTRALIZATION KIT. INSTALL NEXT TO THE WATER HEATER PAD & DRAIN INTO NEAREST FLOOR DRAIN.
- WATER HEATER TO BE INSTALLED ON 6" HIGH EQUIPMENT PAD.

WATER SOFTENER SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	TOTAL (GRAINS)	NORMAL / MAX FLOW/UNIT @ 15/25 PSI LOSS (GPM)	DRAIN FLOW RATE (GPM)	RESIN QUANTITY (FT^3)	RESIN TANK HEIGHT/DIA (IN/IN)	BRINE TANK HEIGHT/DIA (IN/IN)	ELECTRICAL (VOLT/PH)	OPERATING WEIGHT (LBS)	NOTES

- PACKAGED EQUIPMENT INSTALLED ON A 6" HIGH EQUIPMENT PAD.
- DRAIN TO NEAREST FLOOR DRAIN.

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PLUMBING FIXTURE SCHEDULE

ID	FIXTURE	DCW (IN)	DHW (IN)	W (IN)	V (IN)	NOTES
L-1	LAVATORY	1/2	1/2	2	1 1/2	LAVATORY: KOHLER K-2032, GREENWICH, 20" X 18", VITREOUS CHINA, WITH FRONT OVERFLOW & THREE DECK HOLES ON FOUR INCH CENTERS. KOHLER K-10270-4 FORTE FAUCET WITH WRIST BLADE HANDLES, 5-1/8" SPOUT REACH WITH 1.2 GPM MAXIMUM FLOW RATE. FAUCET TO BE ORDERD WITH A BRUSHED NICKEL FINISH. WATTS LF7 DUAL CHECK VALVES ON HOT AND COLD LINES. FLEXIBLE STAINLESS STEEL SUPPLIES WITH WITH LOOSE KEY ANGLE STOPS. CHICAGO 327-XCP OPEN-GRID STRAINER AND CAST BRASS P-TRAP WITH CLEAN OUT PLUG. SMITH 0700-Z CONCEALED ARM CHAIR CARRIER WITH FOOT SUPPORT. PROVIDE ADA COMPLIANT UNDER COUNTER PIPING WRAP BY TRUE-BRO, COLOR TO BE WHITE.
S-1	SINK	1/2	1/2	2	1 1/2	SINK (DROP-IN SINGLE COMPARTMENT): ELKAY MODEL LR3122PD 31" X 22" X 7.5" DEEP 18 GA STAINLESS STEEL SINK; LK-35 CUP STRAINERS. KOHLER K-596 SIMPLICE FAUCET WITH 9" SWING SPOUT AND 1.5 GPM FLOW. FAUCET TO BE ORDERED WITH A MATTE BLACK FINISH. PROVIDE AND INSTALL WATTS LFMMV THERMOSTATIC MIXING VALVE TO MEET ASSE 1070. PROVIDE WATTS LF7 DUAL CHECKS IN HOT AND COLD SUPPLIES. 17 GA CAST BRASS P-TRAP WITH CLEAN-OUT PLUG.
WC-1	ADA WATER CLOSET	1	-	4	2	WATER CLOSET (WALL HUNG, FLUSH VALVE): KOHLER K-96057, HIGHCLIFF TOILET, FLOOR MOUNT, VITREOUS CHINA. ELONGATED BOWL DESIGN, SIPHON JET FLUSHING, 2-1/8" TRAPWAY AND 1-1/2" TOP SPUD. BEMIS 3155-C "DURAGUARD" WHITE, SOLID PLASTIC, OPEN-FRONT SEAT, LESS COVER, SLOAN GEM-2 111 SMO-1.28-XL-OR BATTERY SENSOR FLUSH VALVE.
DSN-1	DOWNSPOUT NOZZLE	-	-	SEE PLANS	-	DOWNSPOUT NOZZLE: SMITH 1770 DOWNSPOUT NOZZLE WITH CAST BRONZE BODY AND FLANGE.
EWC-1	ELECTRIC WATER COOLER	1/2	-	2	1 1/2	ELKAY MODEL LZSTL8WSLK WALL MOUNTED BARRIER FREE SPLIT LEVEL WATER COOLER WITH BOTTLE FILLER. BOTTLE FILLER SHALL BE INSTALLED ON THE LOWER FOUNTAIN. ONE-PIECE STAINLESS STEEL TOPS AND RECEPTORS; WELDED STEEL FRAME AND STAINLESS STEEL PANELS WITH BAKED ENAMEL COATING; HERMETICALLY SEALED MOTOR COMPRESSOR WITH OVERLOAD PROTECTION, 115V/SINGLE PHASE/60 CYCLE; FAN COOLED CONDENSER; PERMANENTLY LUBRICATED FAN MOTOR; COOLER SHALL DELIVER 8 GPH AND BOTTLE FILLER SHALL PROVIDE 8 GPH OF 50°F DRINKING WATER WITH 80°F INLET TEMPERATURE AND 90°F ROOM TEMPERATURE.
FD-1	FLOOR DRAIN	-	-	2	1 1/2	FLOOR DRAIN: SMITH FIGURE 2005Y-P050 FLOOR DRAIN WITH CAST IRON BODY AND FLASHING COLLAR WITH 6-INCH SQUARE NICKEL BRONZE ADJUSTABLE STRAINER HEAD WITH SECURED GRATE. PROVIDE DEEP SEAL TRAP AND TRAP GUARD TYPE TRAP SEAL DEVICE.
FD-2	MECH ROOM DRAIN	-	-	3	2	FLOOR DRAIN (MECHANICAL ROOM): SMITH 2220Y FLOOR DRAIN WITH CAST IRON BODY AND FLASHING COLLAR WITH 8" CAST IRON GRATE AND SEDIMENT BUCKET, NO-HUB CONNECTION, TRAP GUARD TYPE TRAP SEAL DEVICE AND DEEP SEAL P-TRAP.
FS-1	FLOOR SINK	-	-	4	2	FLOOR SINK: SMITH FIGURE 3100Y CAST IRON FLANGED RECEPTOR WITH ACID RESISTANT INTERIOR COATING, NICKEL BRONZE RIM AND SECURED 1/2 GRATE AND ALUMINUM DOME BOTTOM STRAINER.
HB-1	HOSE BIBB	3/4	-	-	-	HOSE BIBB: CHICAGO 293-CP 1/2" NPT FEMALE INLET, 3/4" MALE HOSE THREAD OUTLET, CHROME PLATED, ESCUTCHEON PLATE. CHICAGO E27JKCP INLINE VACUUM BREAKER 3/4" HOSE THREAD OUTLET.
NFH-1	NON-FREEZE WALL HYDRANT	3/4	-	-	-	NON-FREEZE HYDRANT: SMITH 5609QT NON-FREEZE WALL HYDRANT FOR WALL THICKNESS SHOWN ON PLAN. BRONZE HYDRANT, 3/4-INCH CONNECTION WITH BRASS CASING, INTEGRAL SELF-DRAINING VACUUM BREAKER, AND LOOSE KEY.
RD-1	ROOF DRAIN	-	-	SEE PLANS	-	ROOF DRAIN: SMITH FIGURE 1010Y-R-C-CID CAST IRON BODY WITH COMBINED FLASHING CLAMP AND CAST IRON GRAVEL STOP, CAST IRON DOME, EXTENSION, SUMP RECEIVER AND UNDERDECK CLAMP.
RDO-1	ROOF DRAIN OVERFLOW	-	-	SEE PLANS	-	ROOF DRAIN: SMITH FIGURE 1080Y-R-C-CID CAST IRON BODY WITH COMBINED FLASHING CLAMP AND CAST IRON GRAVEL STOP, CAST IRON DOME, EXTENSION, SUMP RECEIVER AND UNDERDECK CLAMP, 2" WATER DAM.
SS-1	SERVICE SINK	1/2	1/2	3	1 1/2	SERVICE SINK (FLOOR MOUNTED): KOHLER K-6710, WHITBY, 28 X 28-INCH, ENAMELED CAST IRON FLOOR-MOUNTED CORNER MODEL. K-9146 3" DRAIN WITH STRAINER. K-8940 REMOVABLE VINYL-COATED RIM GUARD. T&S BRASS B-0665-BSTP FAUCET WITH VACUUM BREAKER, SCREWDRIVER STOPS IN SHANKS, 5 FOOT RUBBER HOSE AND 853-CP WALL HOOK. INSTALLED IN CEILING ABOVE SERVICE SINK WITH ACCESS DOOR IF HARD CEILING, PROVIDE WATTS # 7 DUAL CHECK VALVES ON HOT AND COLD LINES.
WO-1	WATER OUTLET BOX	1/2	--	--	--	WATER OUTLET BOX: WATER-TITE MODEL W9200HA 6" DIAMETER RECESSED OUTLET BOX WITH 1/4 TURN BALL VALVE AND WATER HAMMER ARRESTOR FOR USE WITH A REFRIGERATOR WATER CONNECTION. REFER TO ARCHITECT FOR INSTALLATION HEIGHT.

(1) ALL UNDER GROUND WASTE AND VENT SHALL BE 2" OR GREATER PER DRAWINGS.

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 255 SOUTH 300 WEST
 795 NORTH 400 WEST
 LOGAN, UT 84321
 SALT LAKE CITY, UT 84103

NORTH LOGAN CITY - CIVIC CENTER

NORTH LOGAN, UT
NORTH LOGAN CITY

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 CHECKED BY: KJM
 ISSUED: 03.31.2022

PLUMBING SCHEDULES
P602
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ELECTRICAL LEGEND

Table containing various electrical symbols and their descriptions, including sections for ANNOTATIONS, CENTRAL SYSTEM CONTROLS, LIGHTING FIXTURES, BRANCH CIRCUITING, LIGHTING CONTROL, LOCAL CONTROLS, FIRE ALARM, SECURITY, POWER AND DISTRIBUTION, COMMUNICATIONS, ONE-LINE, HEAT TRACE, AUDIO/VISUAL, and GENERAL WALL-MOUNTED BOX HEIGHT DETAIL.

SHEET INDEX table listing sheet numbers and names, such as E-001.1 PROJECT GENERAL NOTES, E-101.1 ELECTRICAL SITE PLAN - NEW, etc.

ELECTRICAL ABBREVIATIONS table listing symbols and their corresponding terms, such as AMPERE, AMP FUSE, ABOVE FINISHED FLOOR, etc.

Vertical sidebar containing project information: design west architects, NORTH LOGAN CITY - CIVIC CENTER, PROJECT # 821239, DRAWN BY: DJP, CHECKED BY: SDS, ISSUED: 03.8.2022, and NOT FOR CONSTRUCTION.

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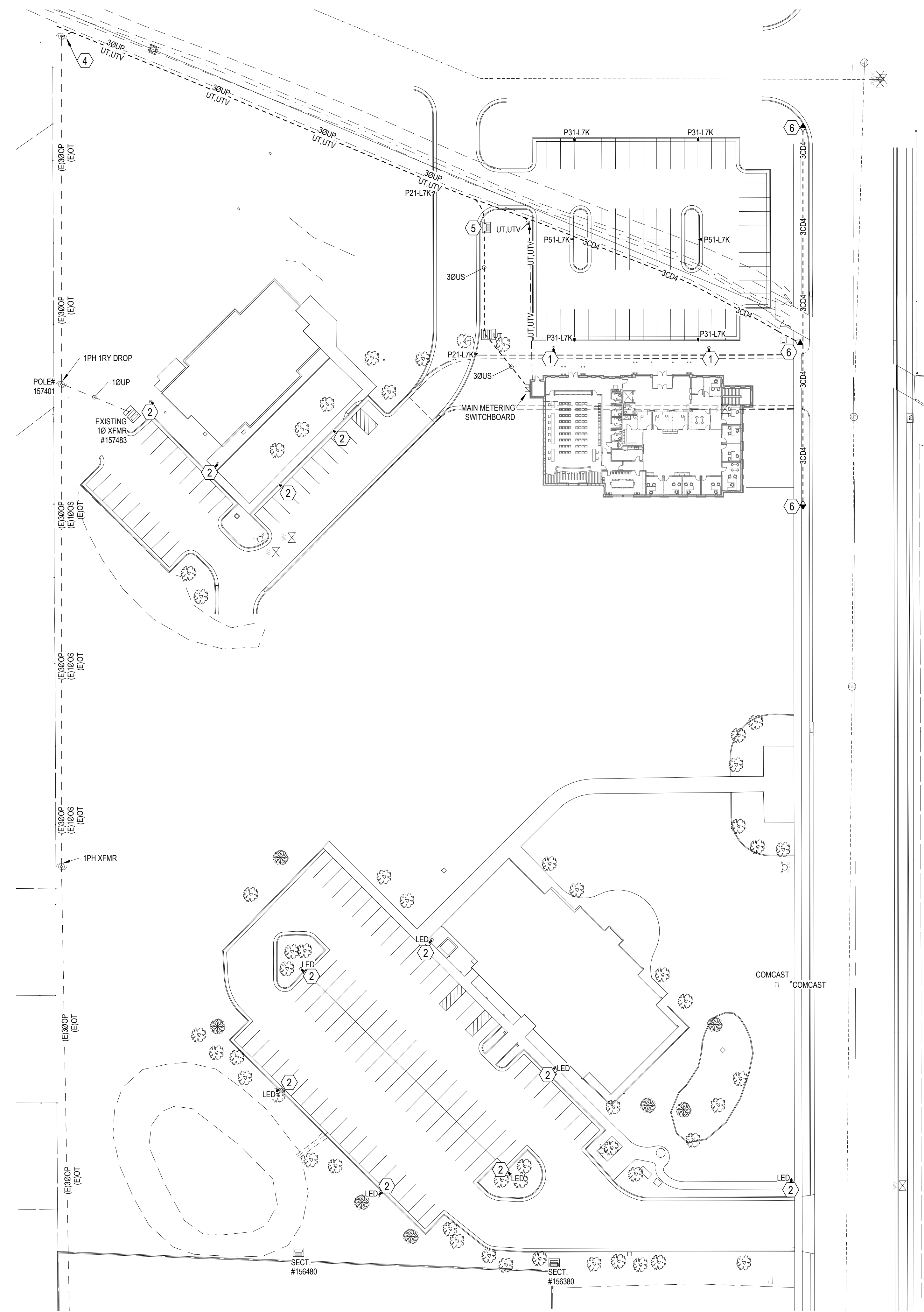
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KEYED NOTES

1. REMOVE EXISTING LIGHT POLE AND BASE.
2. EXISTING LIGHT POLE TO REMAIN.
3. PROVIDE NEW POLE LIGHT AS SPECIFIED.
4. ANTICIPATED LOCATION FOR UTILITY CONNECTION. VERIFY WITH LOCAL UTILITY REP.
5. ANTICIPATED LOCATION OF NEW UTILITY SECTIONALIZER. VERIFY WITH LOCAL UTILITY REP.
6. STUB CONDUITS FOR FUTURE UTILITY CONNECTION.
7. LIGHTING CONTROL PANEL SWITCH LEGS. REFER TO LIGHTING CONTROL PANEL SCHEDULES AND DETAILS FOR ADDITIONAL INFORMATION. SWITCH LEGS MAY BE ROUTED TO PANEL IN SAME CONDUITS AS CONSTANT POWER FEEDS. CONTRACTOR TO DERATE/UPSIZE CONDUCTORS & CONDUIT WHERE REQUIRED.
8. GROUP CONTROL OF WIRELESS LIGHTING ZONE INDICATED. REFER TO LIGHTING CONTROL SCHEDULES FOR ADDITIONAL INFORMATION.
9. CUT, PATCH & REPAIR OR TUNNEL UNDER EXISTING HARDSCAPE FOR NEW CONDUIT INSTALLATION.

GENERAL NOTES

1. EXISTING ITEMS TO BE REMOVED ARE INDICATED AS BOLD/DASHED. ITEMS TO REMAIN ARE SHOWN AS LIGHT/SOLID.
2. CIRCUIT ROUTING IS SCHEMATIC UNLESS OTHERWISE NOTED.
3. COORDINATE ALL UTILITY INSTALLATIONS WITH LOCAL UTILITY REPS.
4. COMPLY WITH ALL UTILITY REQUIREMENTS FOR NEW UTILITY INSTALLATIONS.

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1 ELECTRICAL SITE PLAN
1" = 40'-0"

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 ISSUED: 03.8.2022

NORTH LOGAN CITY - CIVIC CENTER

84341, United States of America (USA)
 NORTH LOGAN CITY

MARK	DATE	DESCRIPTION

PROJECT #: 821239
 DRAWN BY: D.PATTON
 CHECKED BY: S.SWENSON
 ISSUED: 03.8.2022

NOT FOR CONSTRUCTION

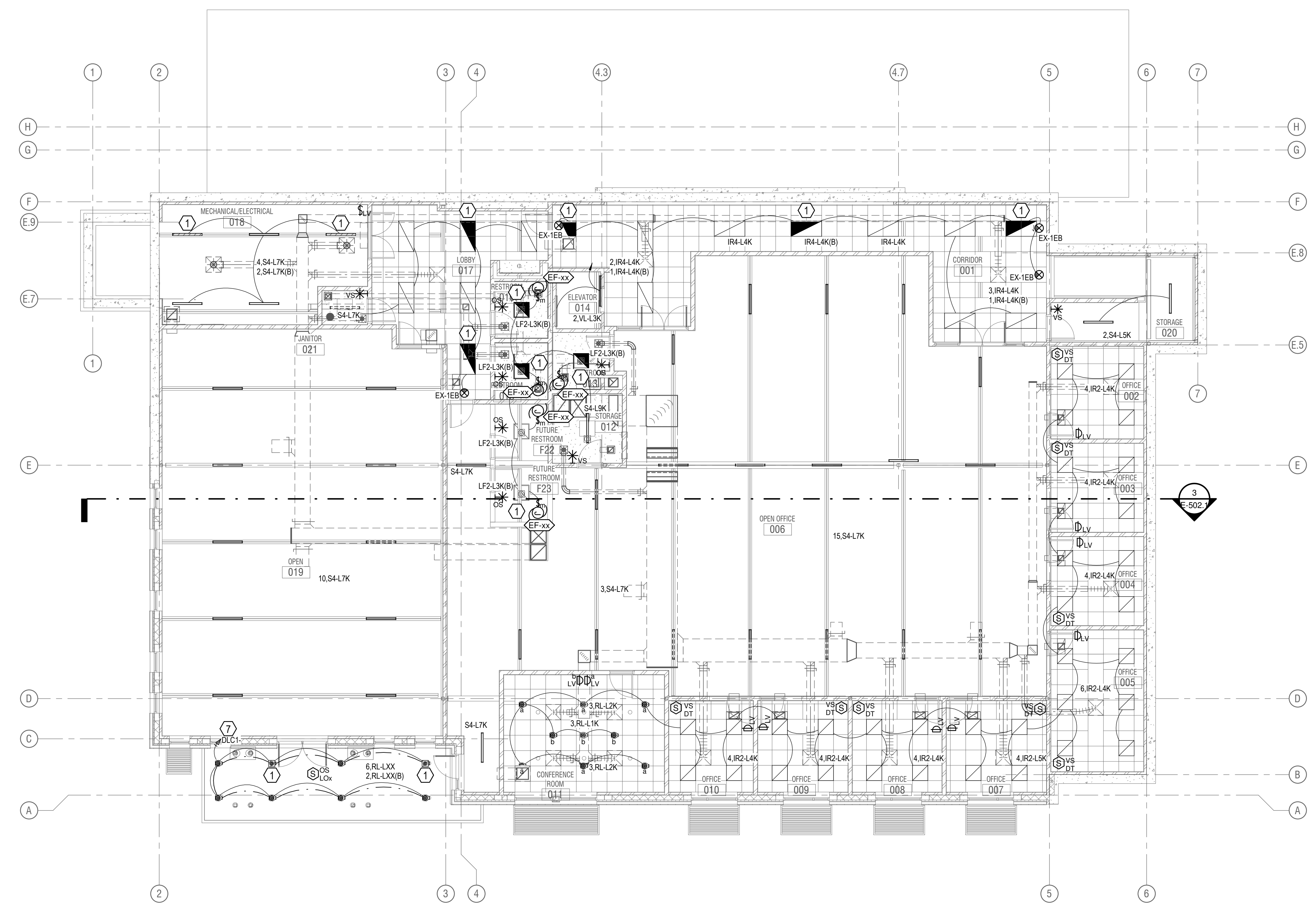
LIGHTING PLAN - LOWER LEVEL
E-200.1

GENERAL NOTES

- COORDINATE ALL SWITCH, OUTLET, LIGHT AND OTHER DEVICE LOCATIONS WITH ARCHITECTURAL ELEMENTS (CABINETS, WINDOWS ETC.) PRIOR TO ROUGH-IN. REVIEW ARCHITECTURAL INTERIOR ELEVATIONS PRIOR TO ROUGH-IN OF EACH AREA FOR ADDITIONAL INFORMATION.
- SOME LIGHTING CIRCUITS ARE ROUTED THROUGH LIGHTING CONTROL SYSTEM POWER PANEL. HOME-RUNS ONLY INDICATE BRANCH CIRCUIT CONDUCTORS. UNSWITCHED CONDUCTORS ARE REQUIRED FOR CIRCUITS WITH EM LIGHTING OR OTHER UNCONTROLLED LIGHTING AND DEVICES. ADDITIONAL SWITCHED CONDUCTORS ARE REQUIRED FOR EACH CIRCUIT AND ARE INDICATED WITH LIGHTING CONTROL PANEL HOME-RUNS. REFER TO LIGHTING CONTROL SCHEDULES FOR ADDITIONAL INFORMATION INCLUDING QUANTITY OF SWITCHED CONDUCTORS REQUIRED FOR EACH CIRCUIT.
- ALL EMERGENCY LIGHTING BATTERIES SHALL PROVIDE A MINIMUM OF 90 MINUTES ILLUMINATION PER NEC 700.12(A) AND IBC 1006. SEE SPEC SECTION 285100 FOR ADDITIONAL REQUIREMENTS.
- ALL BALLASTS, INCLUDING BATTERY BACKUP AND ASSOCIATED SELF-DIAGNOSTICS, SHALL BE FACTORY MOUNTED.
- ALL OCCUPANCY SENSORS SHALL HAVE INTEGRAL PHOTOCELL CONTROL AS SPECIFIED.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR CEILING HEIGHTS AND DROPPED DECORATIVE CEILING ELEMENTS.
- CONTRACTOR TO FURNISH OCCUPANCY SENSORS WITH COVERAGE PATTERNS APPROPRIATE FOR THEIR INSTALLED LOCATIONS. COORDINATE WITH EQUIPMENT SUPPLIER PRIOR TO BID.
- CONNECT OCCUPANCY SENSORS TO ENABLE ALL SWITCHES IN CONTROLLED SPACE.
- CONNECT OCCUPANCY SENSORS, BATTERY BALLASTS, EXIT SIGNS, ETC. TO UNSWITCHED SOURCE CONDUCTOR.
- SEE POWER PLAN FOR ELECTRICAL DISTRIBUTION, EQUIPMENT AND LIGHTING RELAY PANEL LOCATIONS.
- NO INTERIOR OR EXTERIOR RACEWAYS SHALL BE SURFACE MOUNTED WITHOUT PRIOR WRITTEN APPROVAL FROM OWNER AND ARCHITECT.
- ALL LOCAL LIGHTING CONTROL SHALL BE LOW VOLTAGE, LITHONIA N-LIGHT.

KEYED NOTES

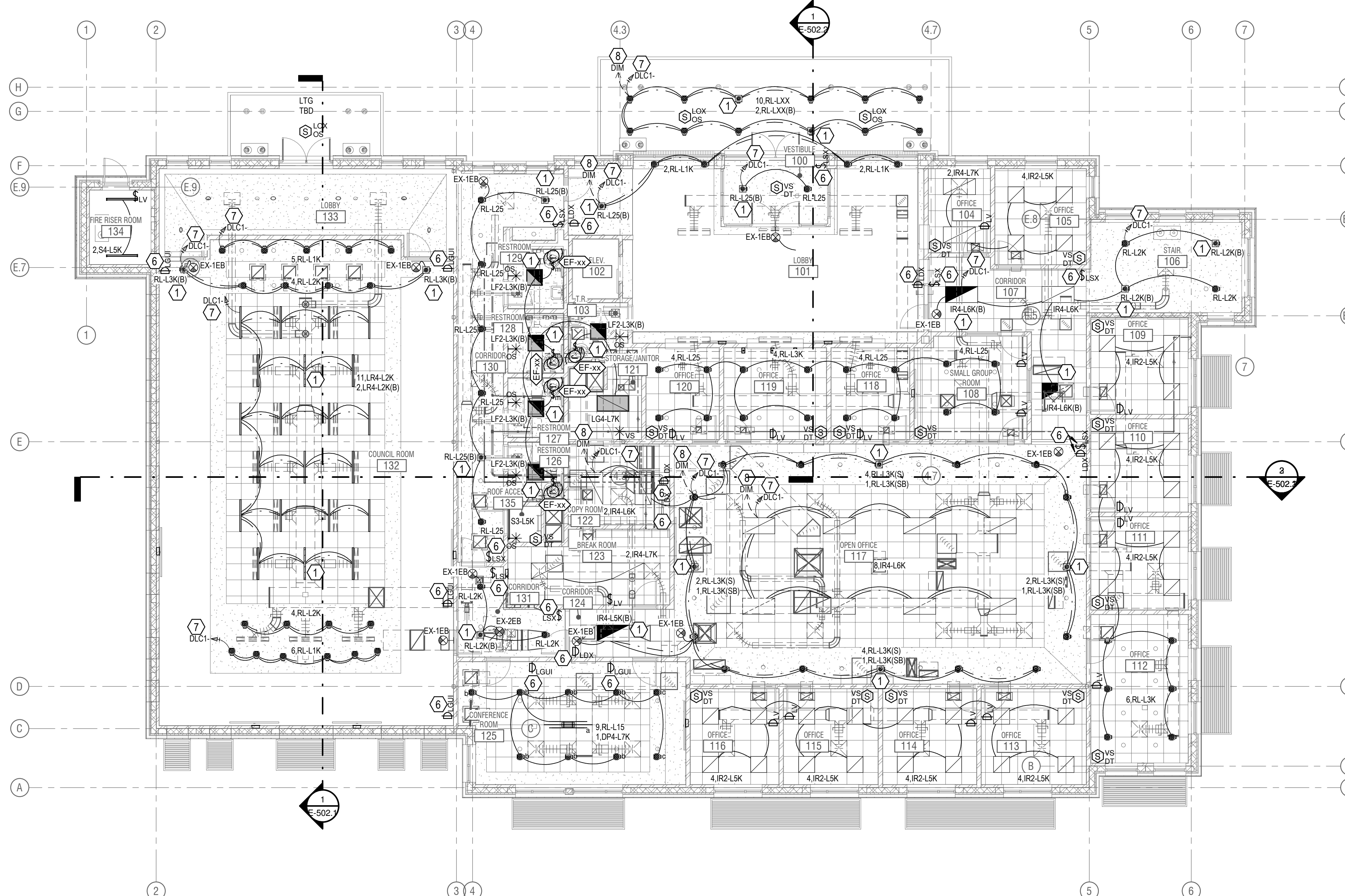
- PROVIDE EM BATTERY IN FIXTURES NOTED. CONNECT BATTERY TO UNSWITCHED CIRCUIT CONDUCTOR OF CIRCUIT SERVING FIXTURE. CONNECT LAMPS TO OPERATE WITH SWITCH(S) IN NORMAL MODE.
- PROVIDE EM BATTERY FOR FIXTURES NOTED. CONNECT BATTERY TO UNSWITCHED CONDUCTOR OF CIRCUIT SERVING FIXTURE. CONNECT (1) LAMP TO OPERATE AS UNSWITCHED NIGHT LIGHT.
- CONNECT TO UNCONTROLLED CIRCUIT CONDUCTOR.
- INTEGRATE SENSOR INDICATED INTO LIGHTING CONTROL SYSTEM AS SCHEDULED.
- MOUNT SENSOR TO DETECT ENTRY FROM ROOF HATCH ABOVE.
- PROVIDE DIGITAL, ADDRESSIBLE, LIGHTING CONTROL SWITCHES AT LOCATIONS INDICATED. PROVIDE CONTROL WIRING PER MANUFACTURER'S REQUIREMENTS. SEE DETAILS AND SCHEDULES FOR ADDITIONAL INFORMATION. ENGRAVE COVER PLATE WITH ZONES CONTROLLED. PROVIDE SEPARATE BUTTON FOR EACH ZONE INDICATED. MULTIPLE BUTTONS SHALL BE MOUNTED IN A SINGLE-GANG COVER.
- LIGHTING CONTROL PANEL SWITCH LEGS. REFER TO LIGHTING CONTROL PANEL SCHEDULES AND DETAILS FOR ADDITIONAL INFORMATION. SWITCH LEGS MAY BE ROUTED TO PANEL IN SAME CONDUITS AS CONSTANT POWER FEEDS. CONTRACTOR TO DERATE/UPSIZED CONDUCTORS & CONDUIT WHERE REQUIRED.
- PROVIDE GRAPHIC USER INTERFACE (iPOD GFX) FOR SWITCHING NOTED. VERIFY ROUGH-IN WITH MANUFACTURER REQUIREMENTS.
- LOCATE EXTERIOR OVERRIDE SWITCH AT LOCATION SHOWN OR OTHER LOCATION AS DIRECTED BY OWNER.
- REFER TO ARCHITECTURAL DETAILS FOR SUSPENSION HEIGHT OF DECORATIVE PENDANTS. STRUCTURALLY SUPPORT MANUFACTURER'S FIXTURE BOX TO FINISH FLUSH WITH DECORATIVE WOOD CEILING PER MANUFACTURER'S REQUIREMENTS.
- WALL MOUNT FIXTURES IMMEDIATELY BELOW OVERHANG TO WASH WALL BELOW.
- MOUNT CHANNEL ON UPPER SHELF. AIM TO ACCENT WALL ABOVE. LOCATE POWER SUPPLIES AT ACCESSIBLE LOCATION INDICATED OR OTHER LOCATION PER FIELD CONDITIONS. VERIFY FIXTURE OVERALL LENGTH WITH FIELD CONDITIONS PRIOR TO FINAL RELEASE.



1 LIGHTING PLAN: LOWER LEVEL
 1/8" = 1'-0"

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1 LIGHTING PLAN: MAIN LEVEL
1/8" = 1'-0"

1 2 3 4 5

GENERAL NOTES

- COORDINATE ALL SWITCH, OUTLET, LIGHT AND OTHER DEVICE LOCATIONS WITH ARCHITECTURAL ELEMENTS (CABINETS, WINDOWS ETC.) PRIOR TO ROUGH-IN. REVIEW ARCHITECTURAL INTERIOR ELEVATIONS PRIOR TO ROUGH-IN OF EACH AREA FOR ADDITIONAL INFORMATION.
- SOME LIGHTING CIRCUITS ARE ROUTED THROUGH LIGHTING CONTROL SYSTEM POWER PANEL. HOME-RUNS ONLY INDICATE BRANCH CIRCUIT CONDUCTORS. UNSWITCHED CONDUCTORS ARE REQUIRED FOR CIRCUITS WITH EM LIGHTING OR OTHER UNCONTROLLED LIGHTING AND DEVICES. ADDITIONAL SWITCHED CONDUCTORS ARE REQUIRED FOR EACH CIRCUIT AND ARE INDICATED WITH LIGHTING CONTROL PANEL HOME-RUNS. REFER TO LIGHTING CONTROL SCHEDULES FOR ADDITIONAL INFORMATION INCLUDING QUANTITY OF SWITCHED CONDUCTORS REQUIRED FOR EACH CIRCUIT.
- ALL EMERGENCY LIGHTING BATTERIES SHALL PROVIDE A MINIMUM OF 90 MINUTES ILLUMINATION PER NEC 700.12(A) AND IBC 1006. SEE SPEC SECTION 265100 FOR ADDITIONAL REQUIREMENTS.
- ALL BALLASTS, INCLUDING BATTERY BACKUP AND ASSOCIATED SELF-DIAGNOSTICS, SHALL BE FACTORY MOUNTED.
- ALL OCCUPANCY SENSORS SHALL HAVE INTEGRAL PHOTOCELL CONTROL AS SPECIFIED.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR CEILING HEIGHTS AND DROPPED DECORATIVE CEILING ELEMENTS.
- CONTRACTOR TO FURNISH OCCUPANCY SENSORS WITH COVERAGE PATTERNS APPROPRIATE FOR THEIR INSTALLED LOCATIONS. COORDINATE WITH EQUIPMENT SUPPLIER PRIOR TO BID.
- CONNECT OCCUPANCY SENSORS TO ENABLE ALL SWITCHES IN CONTROLLED SPACE.
- CONNECT OCCUPANCY SENSORS, BATTERY BALLASTS, EXIT SIGNS, ETC. TO UNSWITCHED SOURCE CONDUCTOR.
- SEE POWER PLAN FOR ELECTRICAL DISTRIBUTION, EQUIPMENT AND LIGHTING RELAY PANEL LOCATIONS.
- NO INTERIOR OR EXTERIOR RACEWAYS SHALL BE SURFACE MOUNTED WITHOUT PRIOR WRITTEN APPROVAL FROM OWNER AND ARCHITECT.
- ALL LOCAL LIGHTING CONTROL SHALL BE LOW VOLTAGE, LITHONIA N-LIGHT.

KEYED NOTES

- PROVIDE EM BATTERY IN FIXTURES NOTED. CONNECT BATTERY TO UNSWITCHED CIRCUIT CONDUCTOR OF CIRCUIT SERVING FIXTURE. CONNECT LAMPS TO OPERATE WITH SWITCH(S) IN NORMAL MODE.
- PROVIDE EM BATTERY FOR FIXTURES NOTED. CONNECT BATTERY TO UNSWITCHED CONDUCTOR OF CIRCUIT SERVING FIXTURE. CONNECT (1) LAMP TO OPERATE AS UNSWITCHED NIGHT LIGHT.
- CONNECT TO UNCONTROLLED CIRCUIT CONDUCTOR.
- INTEGRATE SENSOR INDICATED INTO LIGHTING CONTROL SYSTEM AS SCHEDULED.
- MOUNT SENSOR TO DETECT ENTRY FROM ROOF HATCH ABOVE.
- PROVIDE DIGITAL, ADDRESSIBLE, LIGHTING CONTROL SWITCHES AT LOCATIONS INDICATED. PROVIDE CONTROL WIRING PER MANUFACTURER'S REQUIREMENTS. SEE DETAILS AND SCHEDULES FOR ADDITIONAL INFORMATION. ENGRAVE COVER PLATE WITH ZONES CONTROLLED. PROVIDE SEPARATE BUTTON FOR EACH ZONE INDICATED. MULTIPLE BUTTONS SHALL BE MOUNTED IN A SINGLE-GANG COVER.
- LIGHTING CONTROL PANEL SWITCH LEGS. REFER TO LIGHTING CONTROL PANEL SCHEDULES AND DETAILS FOR ADDITIONAL INFORMATION. SWITCH LEGS MAY BE ROUTED TO PANEL IN SAME CONDUITS AS CONSTANT POWER FEEDS. CONTRACTOR TO DERATE/UPSIZED CONDUCTORS & CONDUIT WHERE REQUIRED.
- PROVIDE GRAPHIC USER INTERFACE (nPOD GFX) FOR SWITCHING NOTED. VERIFY ROUGH-IN WITH MANUFACTURER REQUIREMENTS.
- LOCATE EXTERIOR OVERRIDE SWITCH AT LOCATION SHOWN OR OTHER LOCATION AS DIRECTED BY OWNER.
- REFER TO ARCHITECTURAL DETAILS FOR SUSPENSION HEIGHT OF DECORATIVE PENDANTS. STRUCTURALLY SUPPORT MANUFACTURER'S FIXTURE BOX TO FINISH FLUSH WITH DECORATIVE WOOD CEILING PER MANUFACTURER'S REQUIREMENTS.
- WALL MOUNT FIXTURES IMMEDIATELY BELOW OVERHANG TO WASH WALL BELOW.
- MOUNT CHANNEL ON UPPER SHELF. AIM TO ACCENT WALL ABOVE. LOCATE POWER SUPPLIES AT ACCESSIBLE LOCATION INDICATED OR OTHER LOCATION PER FIELD CONDITIONS. VERIFY FIXTURE OVERALL LENGTH WITH FIELD CONDITIONS PRIOR TO FINAL RELEASE.

NORTH LOGAN CITY - CIVIC CENTER

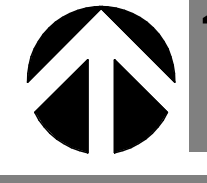
design west architects
LOGAN UT 84321
255 SOUTH 300 WEST
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84341, United States of America (USA)
NORTH LOGAN CITY

MARK	DATE	DESCRIPTION

PROJECT #: 821239
 DRAWN BY: Author
 CHECKED BY: Checker
 ISSUED: 03.8.2022

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LIGHTING PLAN - MAIN LEVEL

E-201.1

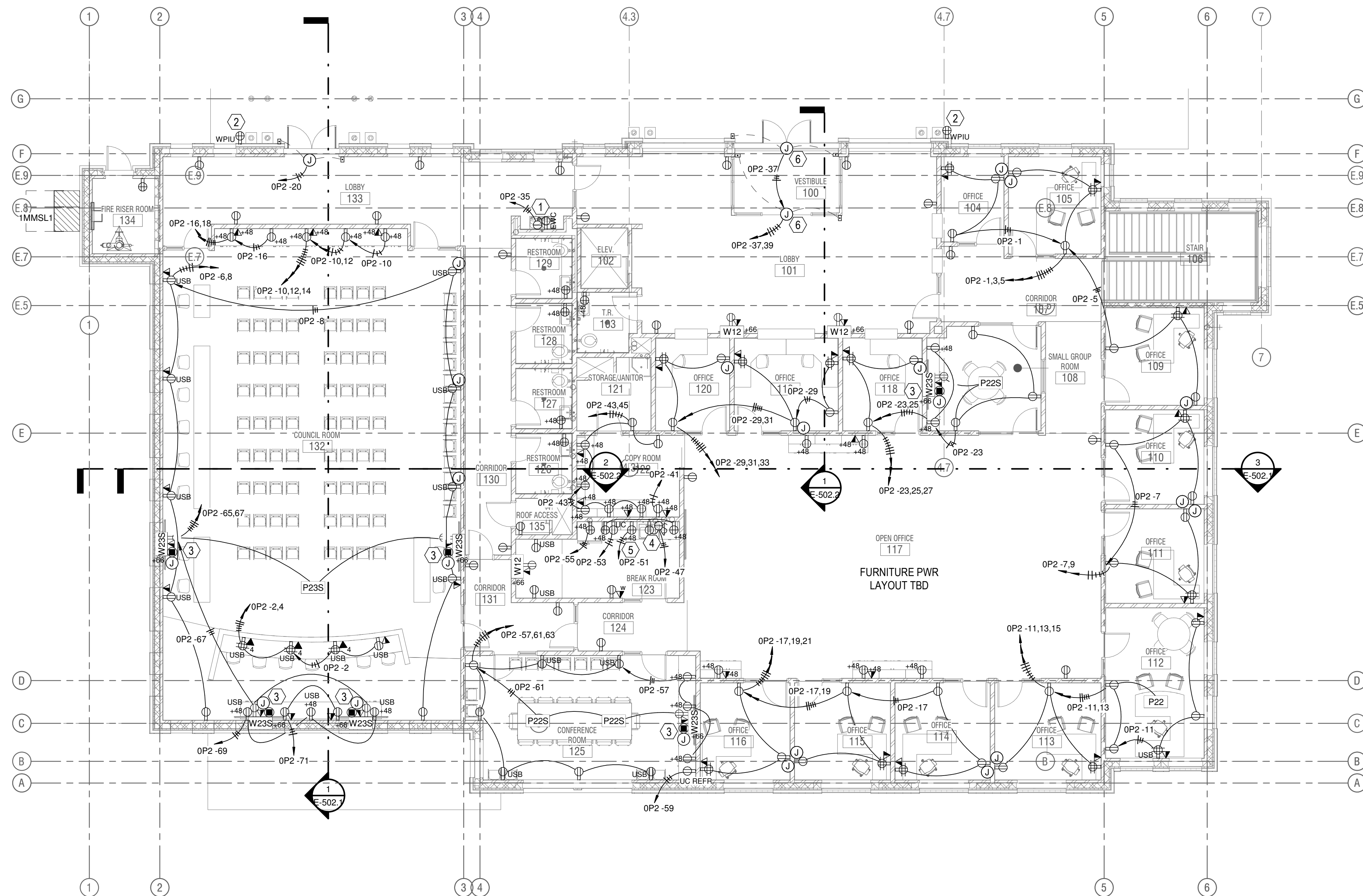
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GENERAL NOTES

1. COORDINATE ALL SWITCH, OUTLET, LIGHT AND OTHER DEVICE LOCATIONS WITH ARCHITECTURAL ELEMENTS (CABINETS, WINDOWS ETC.) PRIOR TO ROUGH IN. REVIEW ARCHITECTURAL INTERIOR ELEVATIONS PRIOR TO ROUGH-IN OF EACH AREA FOR ADDITIONAL INFORMATION.
2. NO INTERIOR OR EXTERIOR RACEWAYS SHALL BE SURFACE MOUNTED WITHOUT PRIOR WRITTEN APPROVAL FROM OWNER AND ARCHITECT.
3. FIELD VERIFY FLOOR BOX LOCATION WITH OWNER PRIOR TO ROUGH-IN.

KEYED NOTES

1. MOUNT EWC OUTLET BEHIND COOLER COVER. ROUTE CIRCUIT THROUGH FACELESS GFCI (LEVITON 7590 OR EQUIVALENT) MOUNTED BELOW COOLER COVER. SEE DETAIL 4/EP501 FOR ADDITIONAL INFORMATION.
2. PROVIDE LOCKABLE, WP-IN-USE COVER FOR EXTERIOR OUTLETS AS SPECIFIED. USE ARLINGTON IN-BOX OR EQUIVALENT. FIELD PAINT BOX AND COVER (INTERIOR AND EXTERIOR) PRIOR TO INSTALLATION TO MATCH BUILDING ACCENT TRIM COLOR.
3. PROVIDE POWER TO FLAT SCREEN TV. VERIFY MOUNTING LOCATION WITH OWNER PRIOR TO ROUGH-IN.
4. PROVIDE POWER AND 3' CORD/PLUG FOR DISPOSAL. ROUTE CIRCUIT THROUGH FACELESS GFCI (LEVITON 7590 OR EQUIVALENT) MOUNTED ABOVE COUNTER LEVEL IN BOX WITH DISPOSAL SWITCH. LABEL GFCI FOR APPLIANCE SERVED. DO NOT LOCATE SWITCH/GFCI BEHIND SINK.
5. PROVIDE POWER TO MICROWAVE. MOUNT OUTLET HORIZONTALLY IN UPPER CORNER OF UPPER CABINET.
6. PROVIDE POWER TO AUTOMATIC DOOR CONTROLLER PER EQUIPMENT REQUIREMENTS. PROVIDE 3/4" CONDUIT WITH FLEX CONNECTION INTO BUTTON ASSEMBLY (BUTTONS FURNISHED BY OTHERS). PROVIDE CONTROL WIRING PER EQUIPMENT REQUIREMENTS. REFER TO ARCHITECTURAL DETAILS FOR EXACT BUTTON LOCATIONS. INTERLOCK DOOR WITH ACCESS CONTROL SYSTEM TO RELEASE ON APPROVED CARD READ. EXTEND POWER TO DOOR RELEASE POWER SUPPLY AS REQUIRED.
7. VERIFY OUTLET LOCATION WITH FURNITURE SUPPLIER AND ARCHITECT PRIOR TO ROUGH-IN. VERIFY ALL POWER AND COMMUNICATIONS DEVICE LOCATIONS WITH FURNITURE SUPPLIER DRAWINGS. NOTIFY ARCHITECT OF DISCREPANCIES.
8. PROVIDE POWER FOR EXTERIOR BUILDING SIGN. LOCATE J-BOX ABOVE ACCESSIBLE CEILING. MACHINE LABEL BOX "SIGN POWER". EXTEND CIRCUIT TO SIGN PER EQUIPMENT REQUIREMENTS. ROUTE CIRCUIT THROUGH LIGHTING CONTROL AS SCHEDULED.
9. PROVIDE POWER TO DOOR HARDWARE POWER SUPPLY (POWER SUPPLY BY OTHERS) POWER SUPPLY SHOWN AT DOOR. FOR DRAWING CLARITY, POWER SUPPLY TO BE LOCATED IN ELECTRICAL ROOM. PROVIDE 3/4" CONDUIT FROM POWER SUPPLY INTO DOOR FRAME AS REQUIRED. COORDINATE WITH DOOR HARDWARE SUPPLIER AS REQUIRED. PROVIDE ADDITIONAL ACCESS CONTROL, ROUGH-IN WHERE APPLICABLE. SEE ET SERIES SHEETS FOR ADDITIONAL INFORMATION.
10. PROVIDE POWER TO POWERED BLINDS PER EQUIPMENT REQUIREMENTS. PROVIDE 3/4" CONDUIT TO OVERRIDE OPEN/CLOSE CONTROL SWITCH LOCATION AS DIRECTED BY OWNER.



NORTH LOGAN CITY - CIVIC CENTER

84341, United States of America (USA)

design west architects
LOGAN UT 84321
SALT LAKE CITY UT 84103

DESCRIPTION:

DATE:

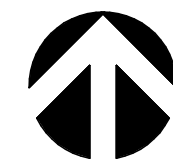
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PROJECT #: 821239
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CHECKED BY: Checker
ISSUED: 03.8.2022

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POWER PLAN - MAIN LEVEL

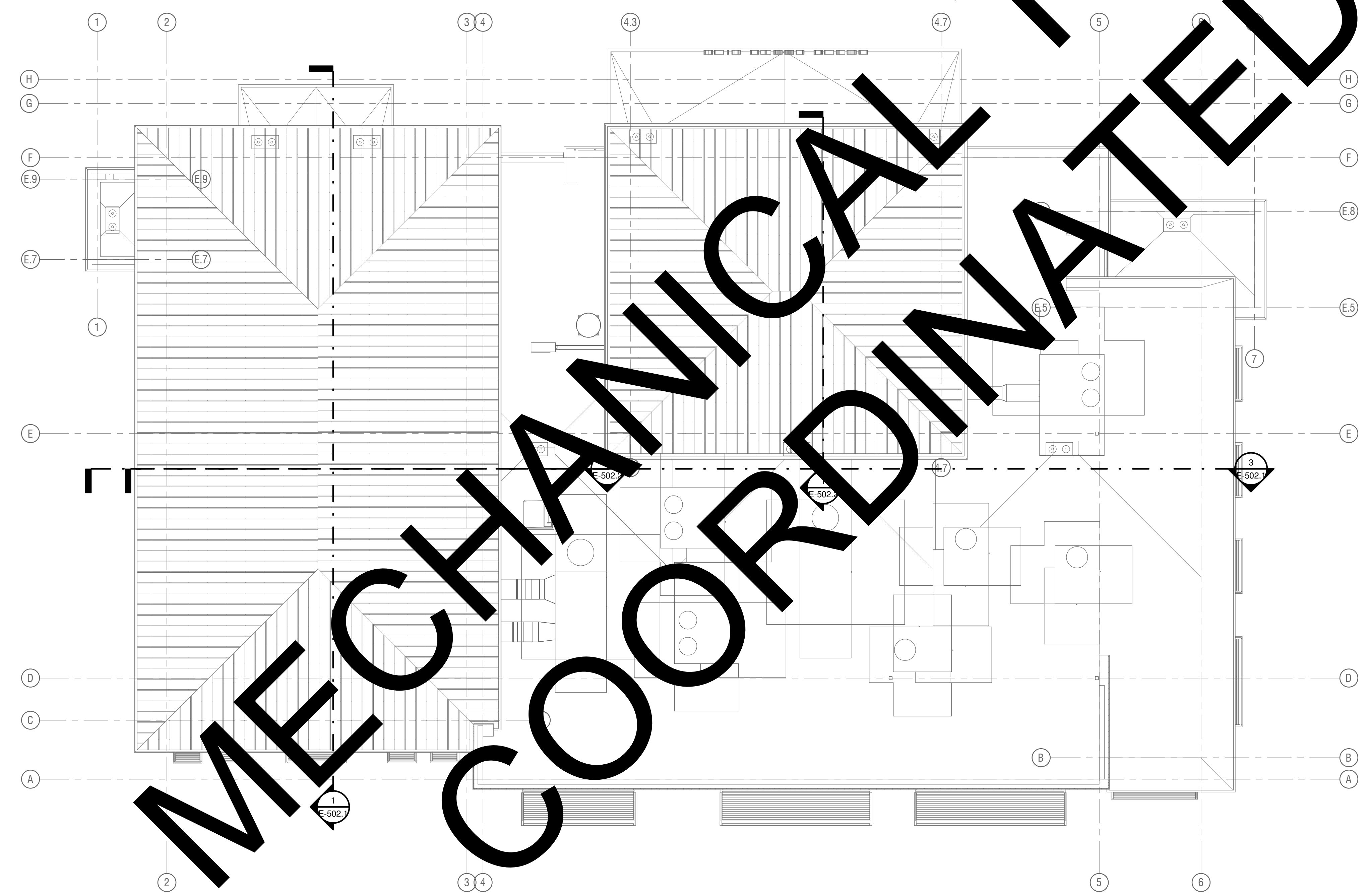
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1 POWER PLAN: MAIN LEVEL
1/8" = 1'-0"

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1 POWER PLAN: ROOF
1/8" = 1'-0"

KEYED NOTES

- NOT USED.
- PROVIDE ACCESS DOOR ROUGH-IN:
-> INSTALL OWNER FURNISHED BOX FOR CARD READER
-> PROVIDE 4SD J-BOX ABOVE ACCESSIBLE CEILING
-> PROVIDE 3/4" CONDUIT FROM CARD READER TO CEILING J-BOX
-> PROVIDE 1/2" CONDUIT FROM CEILING BOX INTO DOOR FRAME FOR CONTACT SENSOR
-> PROVIDE 1" CONDUIT FROM CEILING BOX TO CARD READER CONTROLLER
CABLING BY OWNER'S SECURITY SYSTEM VENDOR.
- VERIFY IRRIGATION CONTROLLER LOCATION WITH LANDSCAPE CONTRACTOR PRIOR TO ROUGH-IN. PROVIDE 2" CONDUIT STUB FOR IRRIGATION CONTROLLER TO SITE IRRIGATION BOX. VERIFY LOCATIONS WITH LANDSCAPE CONTRACTOR PRIOR TO ROUGH-IN.
- PROVIDE ROOF AND GUTTER HEAT TRACE ALONG PATHS INDICATED. INSTALL PER MANUFACTURER'S REQUIREMENTS. SYSTEM TO BE DESIGN BUILD BY CONTRACTOR FOLLOWING PERFORMANCE CRITERIA LISTED IN GENERAL NOTES BELOW.
- PROPOSED POWER CONNECTION LOCATION. VERIFY WITH HEAT TRACE DRAWINGS PRIOR TO ROUGH-IN.
- PROVIDE HEAT TRACE IN DOWNSPOUTS. "1" BEHIND "DS" INDICATES APPROXIMATE DOWNSPOUT LENGTH. FIELD VERIFY PRIOR TO ORDERING HEAT TRACE.

GENERAL NOTES

- COORDINATE ALL SWITCH, OUTLET, LIGHT AND OTHER DEVICE LOCATIONS WITH ARCHITECTURAL ELEMENTS (CABINETS, WINDOWS ETC.) PRIOR TO ROUGH IN. REVIEW ARCHITECTURAL INTERIOR ELEVATIONS PRIOR TO ROUGH-IN OF EACH AREA FOR ADDITIONAL INFORMATION.
- NO INTERIOR OR EXTERIOR RACEWAYS SHALL BE SURFACE MOUNTED WITHOUT PRIOR WRITTEN APPROVAL FROM OWNER AND ARCHITECT.
- ROOF SNOW-MELT PERFORMANCE:
• CONTRACTOR IS RESPONSIBLE TO INCLUDE ALL LAYOUT, DESIGN, MATERIALS, LABOR, ETC. FOR COMPLETE SYSTEM DESIGN.
• ELECTRICAL LOAD REQUIREMENTS HAVE BEEN ESTIMATED BY ENGINEER. CONTRACTOR IS RESPONSIBLE TO VERIFY REQUIREMENTS WITH SYSTEM REP AND NOTIFY ENGINEER OF CHANGES.
• PROVIDE SUBMITTALS ON SNOW-MELT SYSTEM INCLUDING LAYOUT/DESIGN, COMPONENTS, CONTROL EQUIPMENT, ETC.
• SYSTEM STARTING TEMPERATURE: -10°F OR LOWER.
• FULL COMPLIANCE WITH NEC 426.
• 10W/FT 208-VOLT CABLE
• AUTOMATIC CONTROLS AND SENSORS TO SHUT OFF SYSTEM WHEN NO PRECIPITATION IS FALLING OR WHEN OUTDOOR TEMPERATURE IS ABOVE 40°F PER IECC C403.2.5.
• GROUND FAULT PROTECTION FOR EQUIPMENT.
• ALL INSTALLATIONS CONCEALED IN BUILDING ELEMENTS.
• REMOTE CONTROL AND INDICATION OF SYSTEM STATUS ADJACENT TO SNOWMELT CONTROLS.
• PROVIDE OWNER TRAINING (4-HOUR MINIMUM) OF SYSTEM.
• ELECTRICAL LOADING SHOWN BASED ON WARMZONE CABLE AND CONTRACTOR PANELS. CONTRACTORS WILL BE REQUIRED TO MAKE APPROPRIATE ADJUSTMENTS FOR ALTERNATE SYSTEMS.

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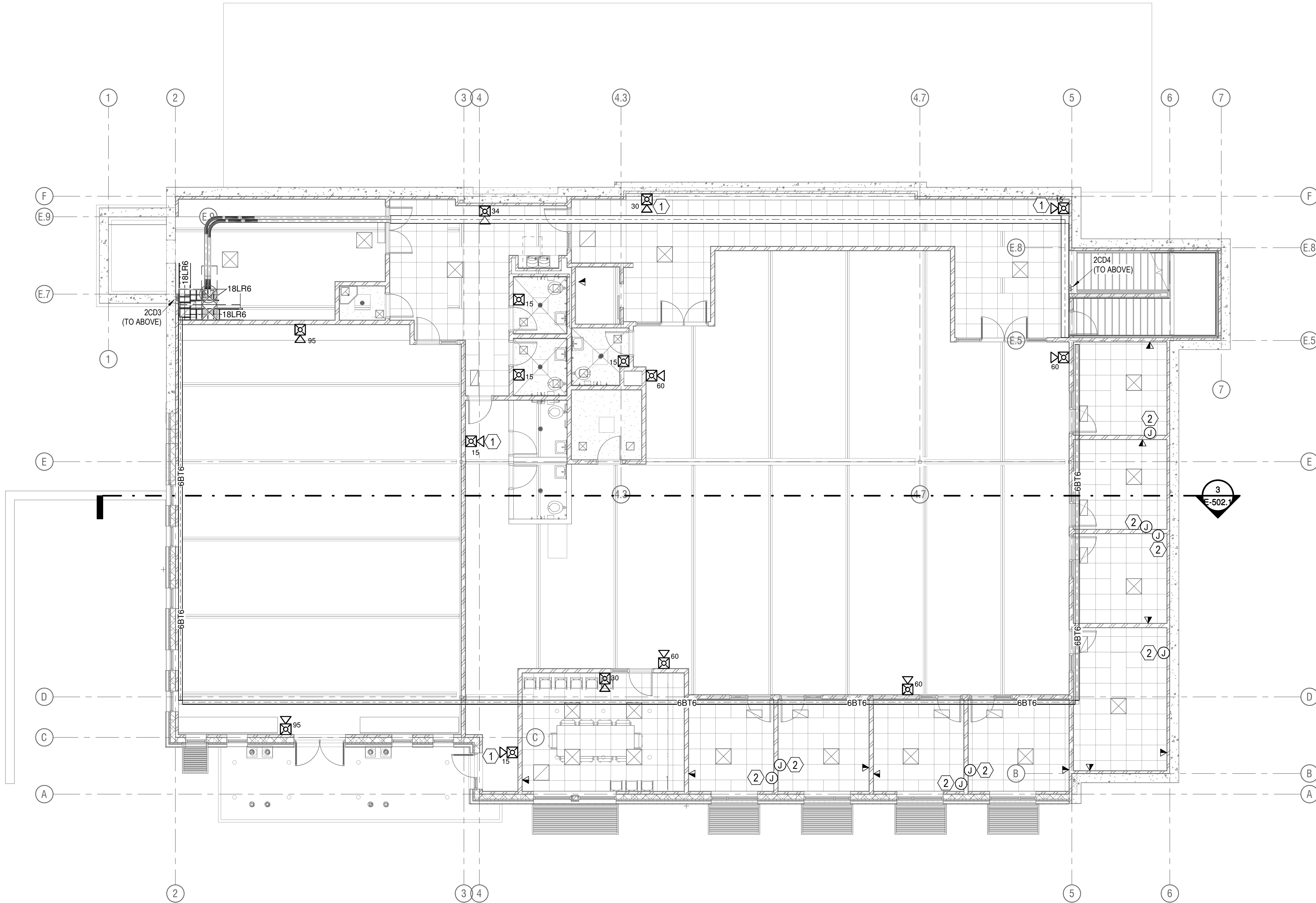
PROJECT #: 821239
 DRAWN BY: D.PATTON
 CHECKED BY: S.SWENSON
 ISSUED: 03.8.2022

KEYED NOTES

1. DEVICE INDICATED TO BE INSTALLED WITHIN 15'-0" OF END OF CORRIDOR PER NFPA 72.
2. PROVIDE DUCT DETECTORS WITH REMOTE INDICATING LAMP AND FIRE ALARM SHUTDOWN FOR HVAC UNITS.
3. PROVIDE ROUGH-IN FOR FUTURE COMMUNICATIONS OUTLET.
4. PROVIDE CEILING OUTLET FOR WIRELESS ACCESS POINT. COORDINATE WITH OWNERS I.T. PERSONNEL PRIOR TO ROUGH-IN.
5. PROVIDE ACCESS DOOR ROUGH-IN:
 - INSTALL OWNER FURNISHED BOX FOR CARD READER
 - PROVIDE 4SD J-BOX ABOVE ACCESSIBLE CEILING
 - PROVIDE 3/4" CONDUIT FROM CARD READER TO CEILING J-BOX
 - RELEASE BUTTONS: PROVIDE 4SD BOX, RING AND 1/2" CONDUIT
 - PROVIDE 1/2" CONDUIT FROM CEILING BOX INTO DOOR FRAME FOR CONTACT SENSOR
 - PROVIDE 1" CONDUIT FROM CEILING BOX TO CARD READER CONTROLLER
 - CABLING PER ACCESS CONTROL GENERAL NOTE THIS SHEET.
6. PROVIDE ACCESS DOOR ROUGH-IN. SEE DETAIL 4/ET502.
7. PROVIDE ACCESS DOOR ROUGH-IN. SEE DETAIL 3/ET502.
8. PROVIDE ACCESS CONTROL ROUGH-IN. SEE DETAIL 5/ET502.
9. APPROXIMATE LOCATION OF OWNER CAMERA. PROVIDE CONDUIT WITH INSULATED THROAT CONNECTOR AT CAMERA LOCATION WITH STUB TO NEAREST ACCESSIBLE CEILING SPACE. LABEL CONDUIT ENDS FOR LOCATION SERVED. CAMERA, CABLING AND INSTALLATION BY OWNER. VERIFY CAMERA LOCATION WITH OWNER PRIOR TO ROUGH-IN.
10. PROVIDE 3/4" PLYWOOD BACKBOARD ON WALLS OF IT ROOM AS SHOWN. MOUNT 8" SHEETS VERTICALLY ON WALLS FOR COMPLETE WALL COVERAGE. PAINT BACKBOARD WITH FIRE RETARDANT PAINT COLORED TO MATCH ADJACENT WALL SURFACE.

GENERAL NOTES

1. LABEL ALL AUXILIARY SYSTEMS CONDUIT STUBS IN COMM ROOM WITH PTAC LABEL IDENTIFYING ITEM SERVED BY CONDUIT.
2. COORDINATE ALL SWITCH, OUTLET, LIGHT AND OTHER DEVICE LOCATIONS WITH ARCHITECTURAL ELEMENTS (CABINETS, WINDOWS ETC.) PRIOR TO ROUGH IN. REVIEW ARCHITECTURAL INTERIOR ELEVATIONS PRIOR TO ROUGH-IN OF EACH AREA FOR ADDITIONAL INFORMATION.
3. NO INTERIOR OR EXTERIOR RACEWAYS SHALL BE SURFACE MOUNTED WITHOUT PRIOR WRITTEN APPROVAL FROM OWNER AND ARCHITECT.
4. SEE SYMBOL SCHEDULE AND COMMUNICATIONS RISER DIAGRAM FOR COMMUNICATIONS CABLING AND ROUGH-IN REQUIREMENTS.
5. SOLIDLY SUPPORT COMMUNICATIONS J-HOOKS (—CMA— LINES) TO STRUCTURAL ELEMENTS. USE SUSPENSION HANGERS, WHERE NEEDED, TO MAINTAIN SPECIFIED SPACING.
6. CONTRACTOR PROVIDE ALL COMMUNICATIONS BOXES AND RACEWAY UNLESS OTHERWISE NOTED. SEE COMMUNICATIONS RACEWAY SCHEDULE FOR ADDITIONAL INFORMATION.
7. ARCHITECTURAL CEILINGS SHOWN FOR CONTRACTOR CONVENIENCE IN BIDDING INSTALLATION REQUIREMENTS. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
8. SEE SYMBOL SCHEDULE AND COMMUNICATIONS RISER DIAGRAM FOR COMMUNICATIONS CABLING AND ROUGH-IN REQUIREMENTS.
9. PROVIDE INDUSTRY STANDARD CADDIE CLIPS #1 ON CENTER THROUGH ALL CORRIDORS AND INTO DATA ROOM. COMPLY WITH ITAIEIA CATEGORY 6E STANDARDS FOR COMMUNICATIONS RACEWAY INSTALLATIONS.
10. CANDELA RATINGS FOR STROBE DEVICES ARE MINIMUM REQUIRED VALUES. FIRE ALARM CONTRACTOR SHALL ADJUST MANUFACTURER'S STANDARD CANDELA RATINGS AS NECESSARY TO MEET OR EXCEED MINIMUM REQUIREMENTS.
11. FIRE ALARM ANNUNCIATION DEVICE LOCATIONS ARE BASED ON CODE RUIRED LAYOUTS. COORDINATE WITH ENGINEER PRIOR TO RELOCATING ANY DEVICES. ALTERNATE LOCATIONS AFFECT DEVICE CANDELA RATINGS.
12. INTEGRATE NEW FIRE ALARM DEVICES INTO EXISTING SYSTEM. PROVIDE ALL UPGRADES TO EXISTING FIRE ALARM SYSTEM NEEDED FOR COMPLETE SYSTEM EXPANSION. COORDINATE WITH EQUIPMENT REPS PRIOR TO BID.
13. ALL FIRE ALARM CONDUITS AND BOXES TO BE IDENTIFIED AS FOLLOWS:
 - A. CONCEALED: FACTORY APPLIED RED.
 - B. EXPOSED: FIELD PAINTED TO MATCH ADJACENT SURFACE.
14. SMOKE DETECTORS SHALL NOT BE INSTALLED UNTIL AFTER CONSTRUCTION CLEAN-UP IS COMPLETED AND FINAL.
15. PROVIDE SYNCHRONIZATION OF ALL VISUAL NOTIFICATION APPLIANCE CIRCUITS. PROVIDE ALL REQUIRED SYNC MODULES. PROVIDE A MULTI-SYNC MODE SLAVE CONNECTION BETWEEN ALL SYNC MODULES.
16. DESIGN AND FIELD VERIFY AUDIBILITY SETTINGS OF NOTIFICATION APPLIANCES. FIELD MEASURE SOUND PRESSURE LEVELS AND REPLACE HORN-STROBES WITH STROBE ONLY DEVICES WERE REQUIRED.
17. POWER FOR ALL FIRE ALARM PANELS AND FIRE ALARM POWER SUPPLIES MUST BE PROVIDED BY A DEDICATED AC BRANCH CIRCUIT.
18. NEW DEVICES SHOWN ON EXISTING WALLS SHALL FINISH FLUSH WITH WALL UNLESS OTHERWISE NOTED. CUT, PATCH AND REPAIR SURFACES AS REQUIRED.
19. SEE FLOOR BOX SCHEDULE FOR FOR FLOOR BOX CONDUIT REQUIREMENTS.



NOT FOR CONSTRUCTION

1 ELECTRONIC SYSTEMS PLAN: LOWER LEVEL

1/8" = 1'-0"

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MARK	DATE	DESCRIPTION

PROJECT #: 821239
 DRAWN BY: Author
 CHECKED BY: Checker
 ISSUED: 03.8.2022

ELECTRONICS SYSTEMS PLAN - MAIN LEVEL

E-401.1

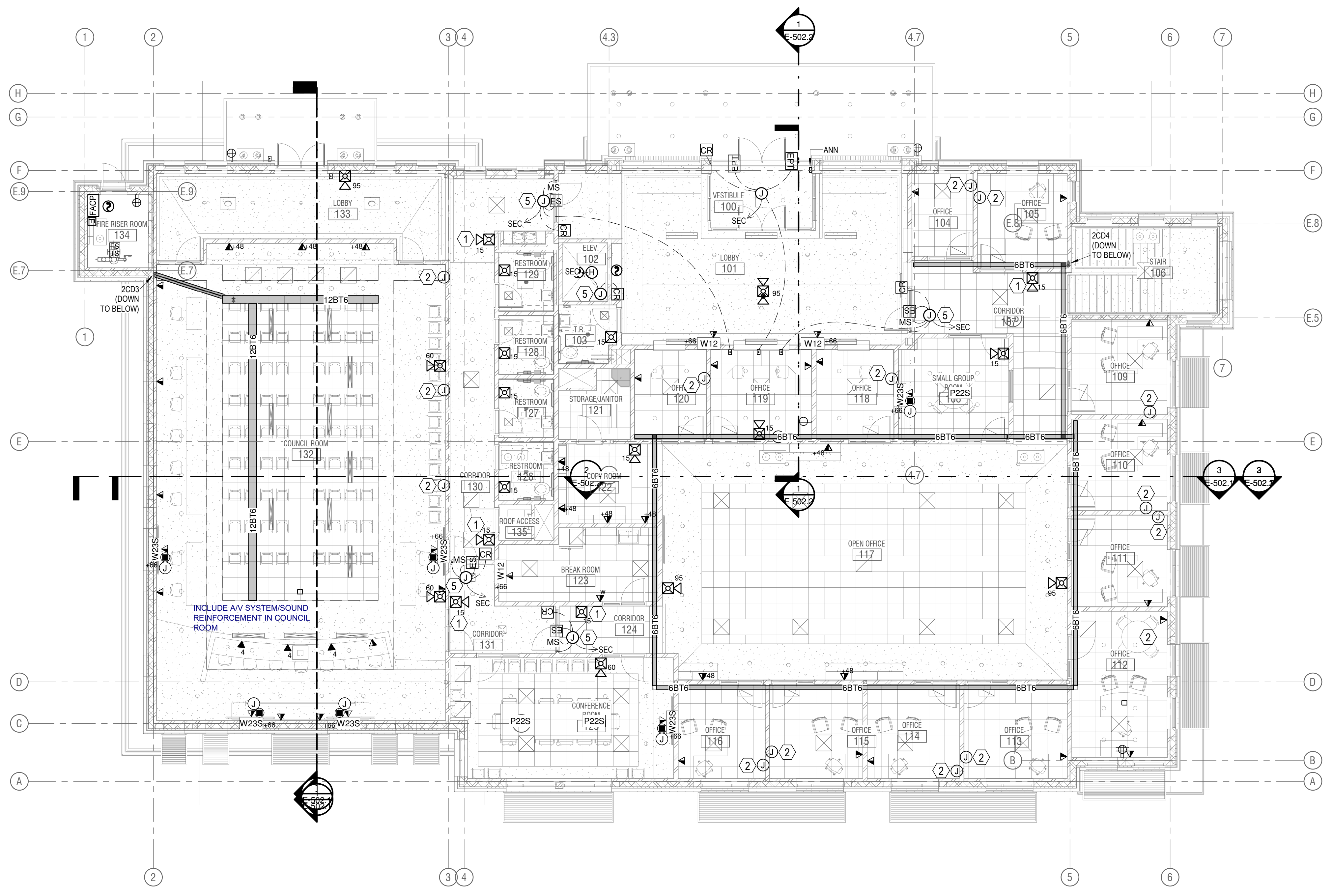
NOT FOR CONSTRUCTION

KEYED NOTES

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- PROVIDE ROUGH-IN FOR FUTURE COMMUNICATIONS OUTLET.
- PROVIDE CEILING OUTLET FOR WIRELESS ACCESS POINT. COORDINATE WITH OWNERS I.T. PERSONNEL PRIOR TO ROUGH-IN.
- PROVIDE ACCESS DOOR ROUGH-IN:
 - INSTALL OWNER FURNISHED BOX FOR CARD READER
 - PROVIDE 4SD J-BOX ABOVE ACCESSIBLE CEILING
 - PROVIDE 3/4" CONDUIT FROM CARD READER TO CEILING J-BOX
 - RELEASE BUTTONS: PROVIDE 4SD BOX, RING AND 1/2" CONDUIT
 - PROVIDE 1/2" CONDUIT FROM CEILING BOX INTO DOOR FRAME FOR CONTACT SENSOR
 - PROVIDE 1" CONDUIT FROM CEILING BOX TO CARD READER CONTROLLER
 - CABLING PER ACCESS CONTROL GENERAL NOTE THIS SHEET.
- PROVIDE ACCESS DOOR ROUGH-IN. SEE DETAIL 4/E-501.4.
- PROVIDE ACCESS DOOR ROUGH-IN. SEE DETAIL 3/E-501.4.
- PROVIDE ACCESS CONTROL ROUGH-IN. SEE DETAIL 5/E-501.4.
- APPROXIMATE LOCATION OF OWNER CAMERA. PROVIDE CONDUIT WITH INSULATED THROAT CONNECTOR AT CAMERA LOCATION WITH STUB TO NEAREST ACCESSIBLE CEILING SPACE. LABEL CONDUIT ENDS FOR LOCATION SERVED. CAMERA, CABLING AND INSTALLATION BY OWNER. VERIFY CAMERA LOCATION WITH OWNER PRIOR TO ROUGH-IN.

GENERAL NOTES

- LABEL ALL AUXILIARY SYSTEMS CONDUIT STUBS IN COMM ROOM WITH PTAC LABEL IDENTIFYING ITEM SERVED BY CONDUIT.
- COORDINATE ALL SWITCH, OUTLET, LIGHT AND OTHER DEVICE LOCATIONS WITH ARCHITECTURAL ELEMENTS (CABINETS, WINDOWS ETC.) PRIOR TO ROUGH IN. REVIEW ARCHITECTURAL INTERIOR ELEVATIONS PRIOR TO ROUGH-IN OF EACH AREA FOR ADDITIONAL INFORMATION.
- NO INTERIOR OR EXTERIOR RACEWAYS SHALL BE SURFACE MOUNTED WITHOUT PRIOR WRITTEN APPROVAL FROM OWNER AND ARCHITECT.
- SEE SYMBOL SCHEDULE AND COMMUNICATIONS RISER DIAGRAM FOR COMMUNICATIONS CABLING AND ROUGH-IN REQUIREMENTS.
- SOLIDLY SUPPORT COMMUNICATIONS J-HOOKS (-CMAJ- LINES) TO STRUCTURAL ELEMENTS. USE SUSPENSION HANGERS, WHERE NEEDED, TO MAINTAIN SPECIFIED SPACING.
- CONTRACTOR PROVIDE ALL COMMUNICATIONS BOXES AND RACEWAY UNLESS OTHERWISE NOTED. SEE COMMUNICATIONS RACEWAY SCHEDULE FOR ADDITIONAL INFORMATION.
- ARCHITECTURAL CEILINGS SHOWN FOR CONTRACTOR CONVENIENCE IN BIDDING INSTALLATION REQUIREMENTS. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- SEE SYMBOL SCHEDULE AND COMMUNICATIONS RISER DIAGRAM FOR COMMUNICATIONS CABLING AND ROUGH-IN REQUIREMENTS.
- PROVIDE INDUSTRY STANDARD CADDIE CLIPS 4" ON CENTER THROUGH ALL CORRIDORS AND INTO DATA ROOM. COMPLY WITH TIA/EIA CATEGORY 6E STANDARDS FOR COMMUNICATIONS RACEWAY INSTALLATIONS.
- CANDELA RATINGS FOR STROBE DEVICES ARE MINIMUM REQUIRED VALUES. FIRE ALARM CONTRACTOR SHALL ADJUST MANUFACTURER'S STANDARD CANDELA RATINGS AS NECESSARY TO MEET OR EXCEED MINIMUM REQUIREMENTS.
- FIRE ALARM ANNUNCIATION DEVICE LOCATIONS ARE BASED ON CODE RUIRED LAYOUTS. COORDINATE WITH ENGINEER PRIOR TO RELOCATING ANY DEVICES. ALTERNATE LOCATIONS AFFECT DEVICE CANDELA RATINGS.
- INTEGRATE NEW FIRE ALARM DEVICES INTO EXISTING SYSTEM. PROVIDE ALL UPGRADES TO EXISTING FIRE ALARM SYSTEM NEEDED FOR COMPLETE SYSTEM EXPANSION. COORDINATE WITH EQUIPMENT REPS PRIOR TO BID.
- ALL FIRE ALARM CONDUITS AND BOXES TO BE IDENTIFIED AS FOLLOWS:
 - A. CONCEALED: FACTORY APPLIED RED.
 - B. EXPOSED: FIELD PAINTED TO MATCH ADJACENT SURFACE.
- SMOKE DETECTORS SHALL NOT BE INSTALLED UNTIL AFTER CONSTRUCTION CLEAN-UP IS COMPLETED AND FINAL.
- PROVIDE SYNCHRONIZATION OF ALL VISUAL NOTIFICATION APPLIANCE CIRCUITS. PROVIDE ALL REQUIRED SYNC MODULES. PROVIDE A MULTI-SYNC MODE SLAVE CONNECTION BETWEEN ALL SYNC MODULES.
- DESIGN AND FIELD VERIFY AUDIBILITY SETTINGS OF NOTIFICATION APPLIANCES. FIELD MEASURE SOUND PRESSURE LEVELS AND REPLACE HORN-STROBES WITH STROBE ONLY DEVICES WERE REQUIRED.
- POWER FOR ALL FIRE ALARM PANELS AND FIRE ALARM POWER SUPPLIES MUST BE PROVIDED BY A DEDICATED AC BRANCH CIRCUIT.
- NEW DEVICES SHOWN ON EXISTING WALLS SHALL FINISH FLUSH WITH WALL UNLESS OTHERWISE NOTED. CUT, PATCH AND REPAIR SURFACES AS REQUIRED.
- SEE FLOOR BOX SCHEDULE FOR FOR FLOOR BOX CONDUIT REQUIREMENTS.



1 ELECTRONIC SYSTEMS PLAN: MAIN LEVEL
 1/8" = 1'-0"

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LIGHTING CONTROL INPUT SCHEDULE		
TYPE	DESCRIPTION	CONTROLLED RELAYS
T1	INTERIOR TIMECLOCK ON/OFF (SCHEDULE PER OWNER)	1LC1-2-16E
T2	EXTERIOR TIMECLOCK ON/OFF (ON AT DUSK, OFF PER OWNER)	1LC1-1-23O WZ:1,2,3
SS	SECURITY SYSTEM INTERFACE	1LC1-1-4,6-14E,23 WZ:1,2,3
B1	BLINK WARNING	1LC1-1-6,13E,22 WZ:1,2,3
D1	TOGGLE W/ TIME OUT + DIMMING: VESTIBULE	1LC1-12
D2	TOGGLE W/ TIME OUT + DIMMING: LOBBY CANS	1LC1-6
D3	TOGGLE W/ TIME OUT + DIMMING: LOBBY DAYLIGHT CANS	1LC1-4
D4	TOGGLE W/ TIME OUT + DIMMING: LOBBY DISPLAY	1LC1-8
D5	TOGGLE W/ TIME OUT + DIMMING: CLERESTORY PENDANTS	1LC1-6
D6	TOGGLE W/ TIME OUT + DIMMING: WAITING/HALL	1LC1-10
D7	TOGGLE W/ TIME OUT + DIMMING: LOBBY ACCENT	1LC1-16
D8	DIMMING SPARE INPUT	
D9	DIMMING SPARE INPUT	
D10	DIMMING SPARE INPUT	
D11	DIMMING SPARE INPUT	
D12	DIMMING SPARE INPUT	
NS	FULL BRIGHT DUSK TO TIME DETERMINED BY OWNER THEN 30% OUTPUT SETBACK WITH MOTION SENSOR OVERRIDE	1LC1-23 WZ:1,2,3
O1	OCC SENSOR: VESTIBULE 2-HOUR OVERRIDE ON	1LC1-12
O2	OCC SENSOR: DT NIGHT SETBACK FULL ON OVERRIDE	1LC1-3,23 WZ:1,3
O3	OCC SENSOR: INTEGRAL W DRIVE PKG POLE NIGHT SETBACK FULL ON OVERRIDE	WZ:3
O4	OCC SENSOR: INTEGRAL DT PKG POLE NIGHT SETBACK FULL ON OVERRIDE	1LC1-3,23 WZ:1,3
O5	OCC SENSOR: INTEGRAL S PKG POLE NIGHT SETBACK FULL ON OVERRIDE	WZ:2
O6	OCC SENSOR SPARE INPUT	
O7	OCC SENSOR SPARE INPUT	
O8	OCC SENSOR SPARE INPUT	
P1	PHOTOCELL: EXTERIOR	1LC1-1-23O
P2	PHOTOCELL: LOBBY S DAYLIGHT	1LC1-4
P3	PHOTOCELL: LOBBY N DAYLIGHT	1LC1-8
P4	PHOTOCELL SPARE INPUT	
P5	PHOTOCELL SPARE INPUT	
P6	PHOTOCELL SPARE INPUT	
P7	PHOTOCELL SPARE INPUT	
P8	PHOTOCELL SPARE INPUT	
S1	TOGGLE W/ TIME OUT: HALL	1LC1-14
S2	TOGGLE W/ TIME OUT: WAITING/HALL	1LC1-10
S3	OVERRIDE SWITCH: EXTERIOR	1LC1-1-23O WZ:1,2,3
S4	SWITCH SPARE INPUT	
S5	SWITCH SPARE INPUT	
S6	SWITCH SPARE INPUT	
S7	SWITCH SPARE INPUT	
S8	SWITCH SPARE INPUT	
S9	SWITCH SPARE INPUT	
S10	SWITCH SPARE INPUT	
S11	SWITCH SPARE INPUT	
S12	SWITCH SPARE INPUT	
NOTES		

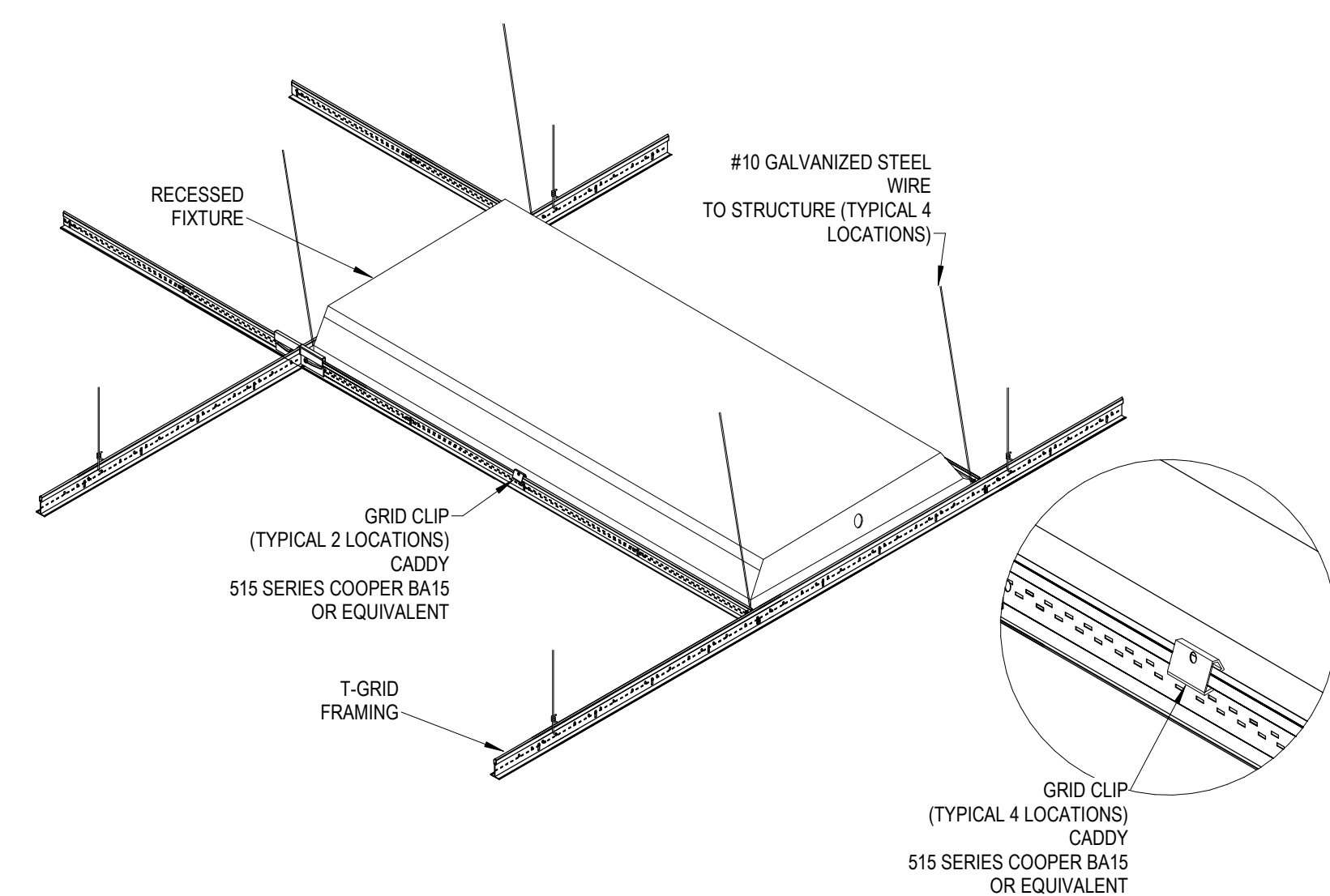
SCHEDULE TO BE EDITED

RELAY PANEL SCHEDULE													
RELAY PANEL			FEEDS		REMARKS				LOCATION	MOUNTING			
1LC1			X	INDIVIDUAL	-LITHONIA N-LIGHT SYSTEM -PROVIDE WITH WIRELESS CONTROL INTEGRATION -PROVIDE DIMMING CONTROL CABLING AS REQUIRED				ELECTRICAL ROOM	FLUSH SURFACE			
X NEW				MAIN LUGS						X			
EXISTING				MAIN BKR									
			MAX VOLTAGE	208	SCHEDULE TO BE EDITED								
			MAX PHASE	1									
No.	RELAY	CONTROLLED CKT	CONTROL ZONE	CONTROL TYPE (SEE SCHEDULE)	DIMMING (SEE SCHED)	No.	No.	DIMMING (SEE SCHED)	CONTROL TYPE (SEE SCHEDULE)	CONTROL ZONE	CONTROLLED CKT	RELAY	No.
1	20	1	1P1- 1	SITE BOLLARD	T2,SS,B1,P1,S3	NS	1	2	D2	T1,B1,SS	LBY CANS	1P1- 7	A
3	20	1	1P1- 3	BLDG EXT	T2,SS,B1,P1,S3	NS,O2,O4	3	4	D3,P2	T1,B1,SS	LBY CANS (DL)	1P1- 7	2
5	20	1	1P1- 3	BLDG HI CNPS	T2,P1,S3	N/A	5	6	D4	T1,B1,SS	LBY PENDANTS	1P1- 25	4
7	20	1	1P1- 19	SIGNS: SITE	T2,P1,S3	N/A	7	8	D5,P3	T1,B1,SS	LBY DISPLAY	1P1- 7	6
9	20	1	1P1- 11	SIGN: BLDG	T2,P1,S3	N/A	9	10	D6	T1,B1,SS,S2	WAITING/HALL	1P1- 7	8
11	20	1	1P1- 13	SIGN: BLDG	T2,P1,S3	N/A	11	12	D1	T1,B1,SS,O1	VESTIBULE	1P1- 7	10
13	20	1	1P1- 15	SIGN: BLDG	T2,P1,S3	N/A	13	14	N/A	T1,B1,SS,S1	CORR	1P1- 9	12
15	20	1	1P1- 17	SIGN: BLDG	T2,P1,S3	N/A	15	16	D7	T1	LOBBY ACCENT	1P1- 7	14
17	20	1	1P1- 21	SIGN: MNMT	T2,P1,S3	N/A	17	18				SPA RE	16
19	30	1	1P1- 41	SIGN: PYLON	T2,P1,S3	N/A	19	20				SPA RE	18
21	20	1	SPA RE				21	22				SPA RE	20
23	20	1	1P1- 3	DRIVE-THRU	T2,SS,B1,P1,S3	NS,O2,O4	23	24				SPA RE	22
25	20	1	SPA RE				25	26				SPA RE	24
27	20	1	SPA RE				27	28				SPA RE	26
29	20	1	SPA RE				29	30				SPA RE	28
31	20	1	SPA RE				31	32				SPA RE	30

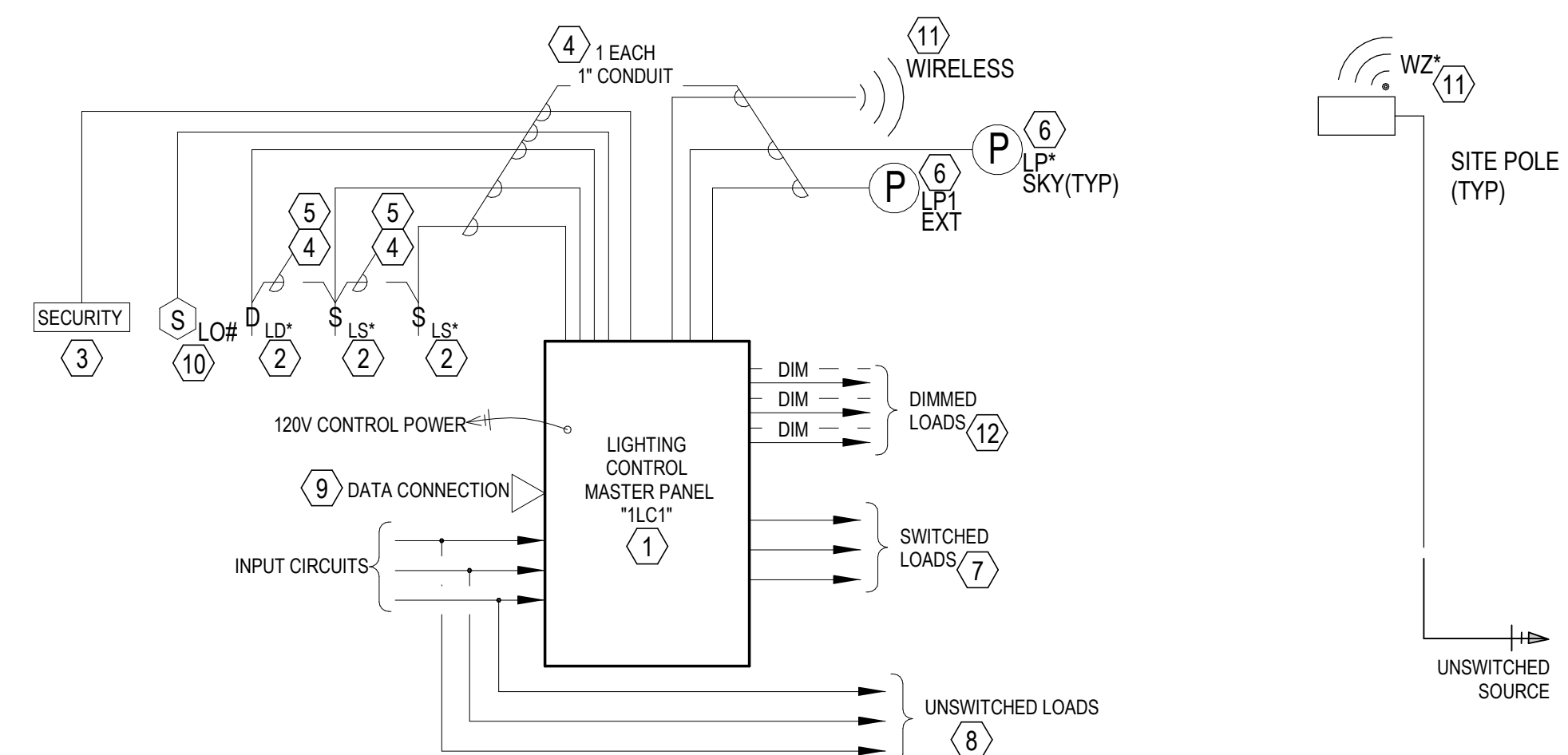
SCHEDULE TO BE EDITED

WIRELESS CONTROL SCHEDULE			
No.	CONTROL ZONE	SWITCHING (SEE SCHEDULE)	DIMMING* (SEE SCHED)
WZ1	PKG: DRIVE ENTRY	T2,P1,O2,O4,S3	NS
WZ2	PKG: SOUTH	T2,P1,O5,S3	NS
WZ3	PKG: WEST	T2,P1,O2,O3,O4,S3	NS
WZ4	SPARE		
WZ5	SPARE		
WZ6	SPARE		
WZ7	SPARE		
WZ8	SPARE		

SCHEDULE TO BE EDITED



2 SEISMIC SUPPORT DETAIL N.T.S.



DETAIL KEYED NOTES

- PROVIDE LIGHTING CONTROL PANEL WITH ALL OPTIONS NECESSARY TO PROVIDE CONTROLS AS SHOWN AND SPECIFIED.
- SEE LIGHTING PLANS ON EL2XX SERIES SHEETS FOR DIGITAL, ADDRESSABLE SWITCH LOCATIONS. PROGRAM FOR CONTROL AS SCHEDULED. PROVIDE ENGRAVED COVER PLATES AS DESCRIBED ON EL2XX SHEETS. (*) INDICATES CONTROL TYPE.
- COORDINATE CONNECTIONS WITH OWNER'S SECURITY SYSTEM PROVIDER.
- PROVIDE CONTROL WIRING PER EQUIPMENT REQUIREMENTS.
- PROVIDE HOME-RUN OR DAISY CHAIN WIRING PER EQUIPMENT REQUIREMENTS.
- PROVIDE INTERIOR AND/OR EXTERIOR PHOTOCELLS. REFER TO LIGHTING PLAN FOR INTERIOR COUNTS AND LOCATIONS. PROVIDE (1) EXTERIOR SENSOR ROOF MOUNTED PER MANUFACTURER RECOMMENDATIONS. (*) INDICATES CONTROL TYPE.
- REFER TO LIGHTING PLANS FOR SWITCHING GROUPS/HOME RUNS.
- PROVIDE CONSTANT POWER TO EXIT SIGNS, EM BALLASTS, NIGHT-LIGHTS, OCCUPANCY SENSORS, ETC.
- PROVIDE LAN CONNECTION TO CONTROL PANEL FOR REMOTE OWNER CONTROL. PROVIDE ALL HARDWARE/PROGRAMMING REQUIRED FOR SYSTEM INTERFACES AS SPECIFIED.
- PROVIDE OCCUPANCY SENSORS/RELAYS COMPATIBLE WITH LIGHTING CONTROL SYSTEM. SENSORS MAY BE USED FOR LOCAL AND SYSTEM CONTROL. (*) INDICATES CONTROL TYPE.
- PROVIDE WIRELESS ACCESSORIES AS REQUIRED TO CONTROL SITE FIXTURES. INTEGRATE INTO MAIN SYSTEM.
- REFER TO LIGHTING PLANS FOR DIMMING GROUPS/HOME-RUNS. INCLUDE DIMMING CONTROL WIRE PER SYSTEM/FIXTURE REQUIREMENTS.

1 LIGHTING CONTROL RISER DIAGRAM N.T.S.

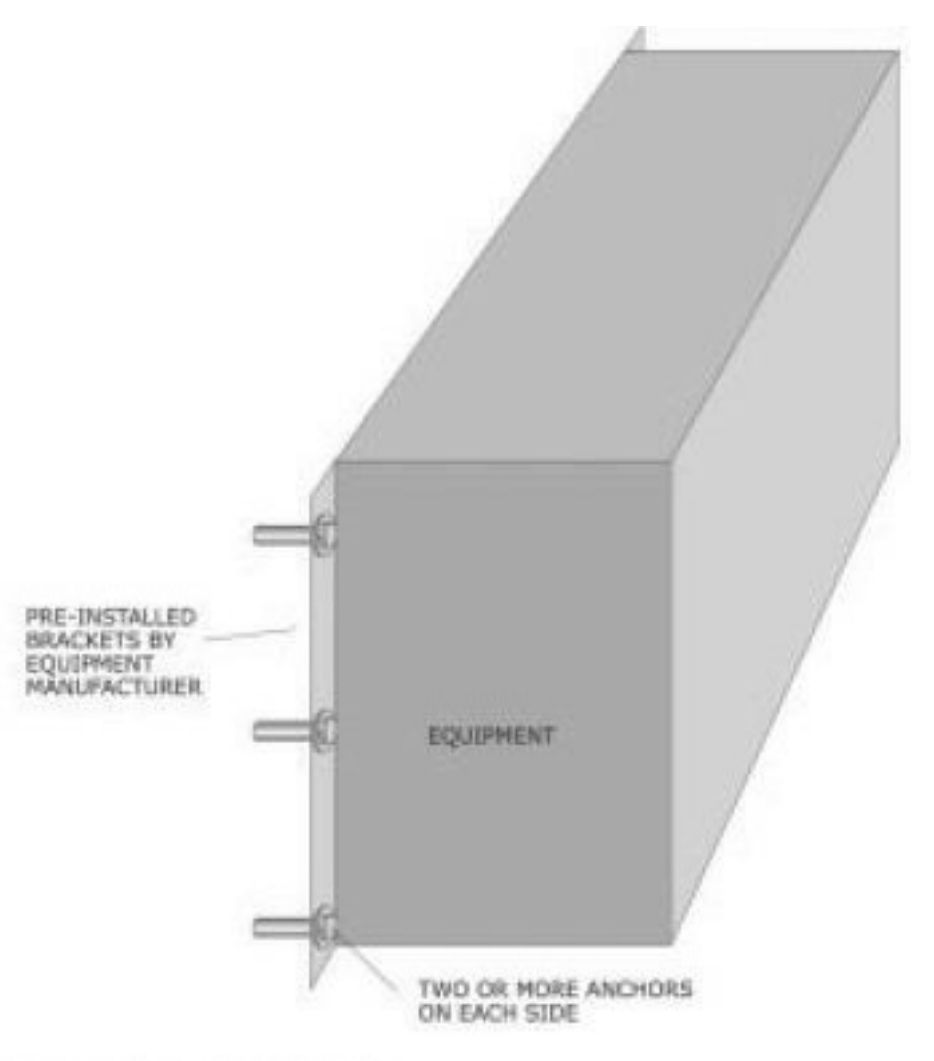
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PROJECT #:	821239
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CHECKED BY:	Checker
ISSUED:	03.8.2022

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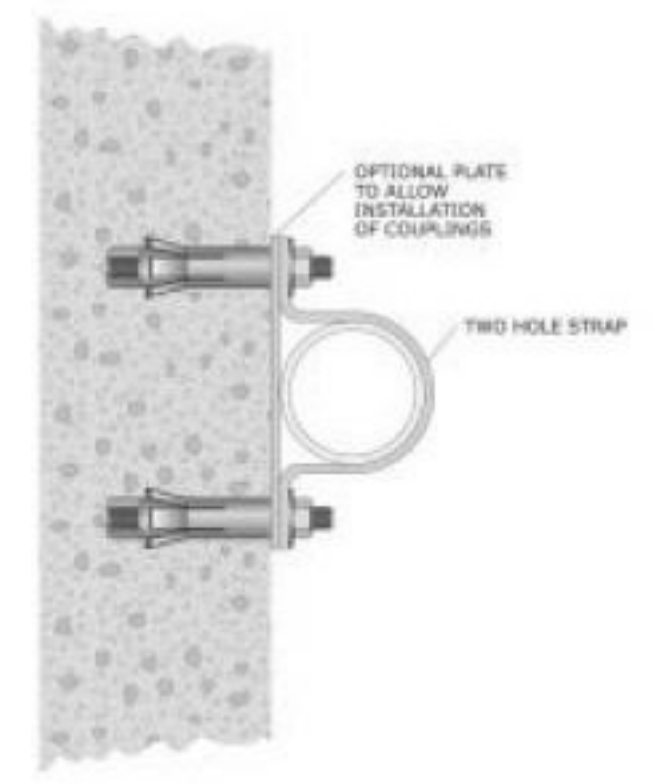
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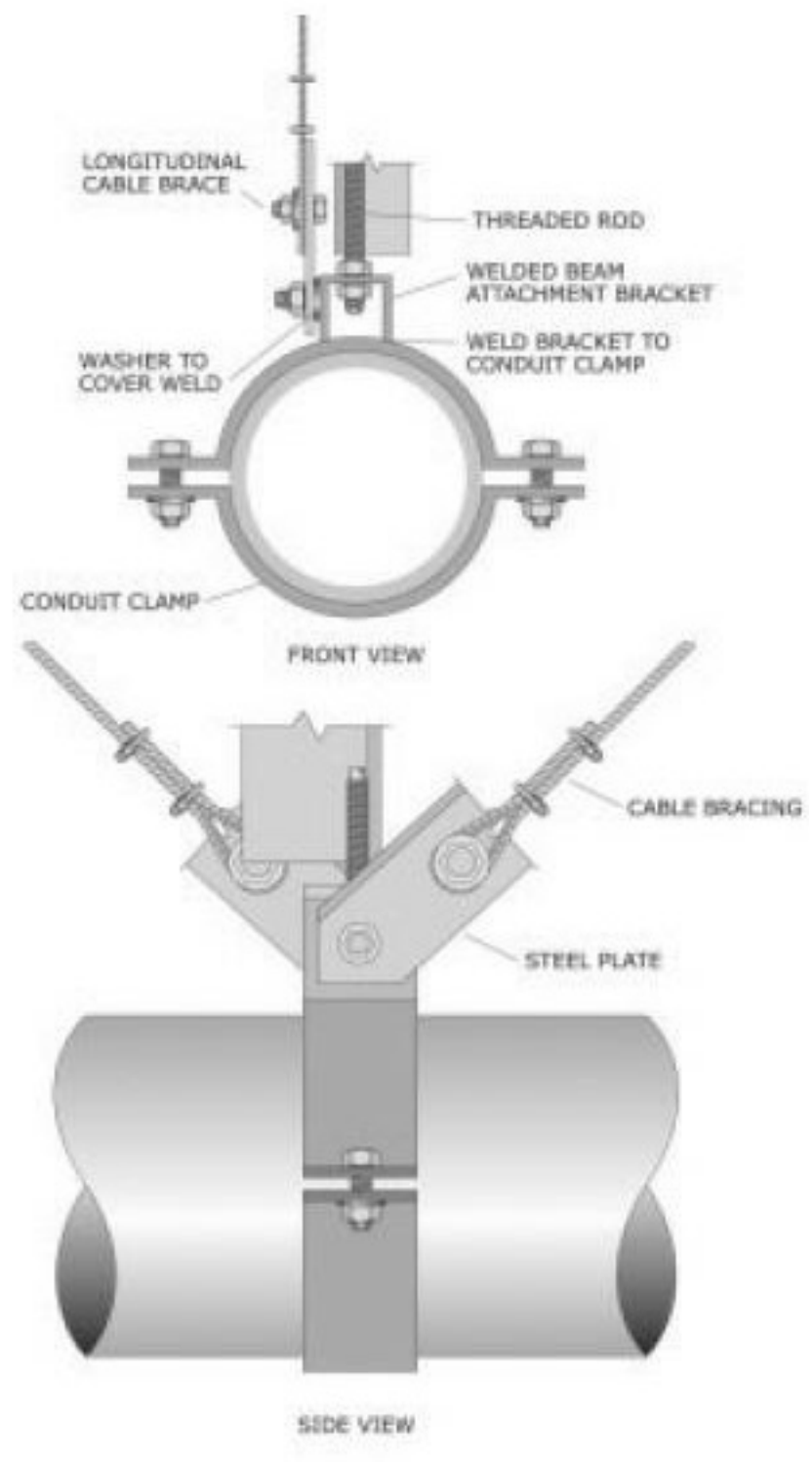
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9 SEISMIC SUPPORT: EQUIPMENT TO WALL
 N.T.S.



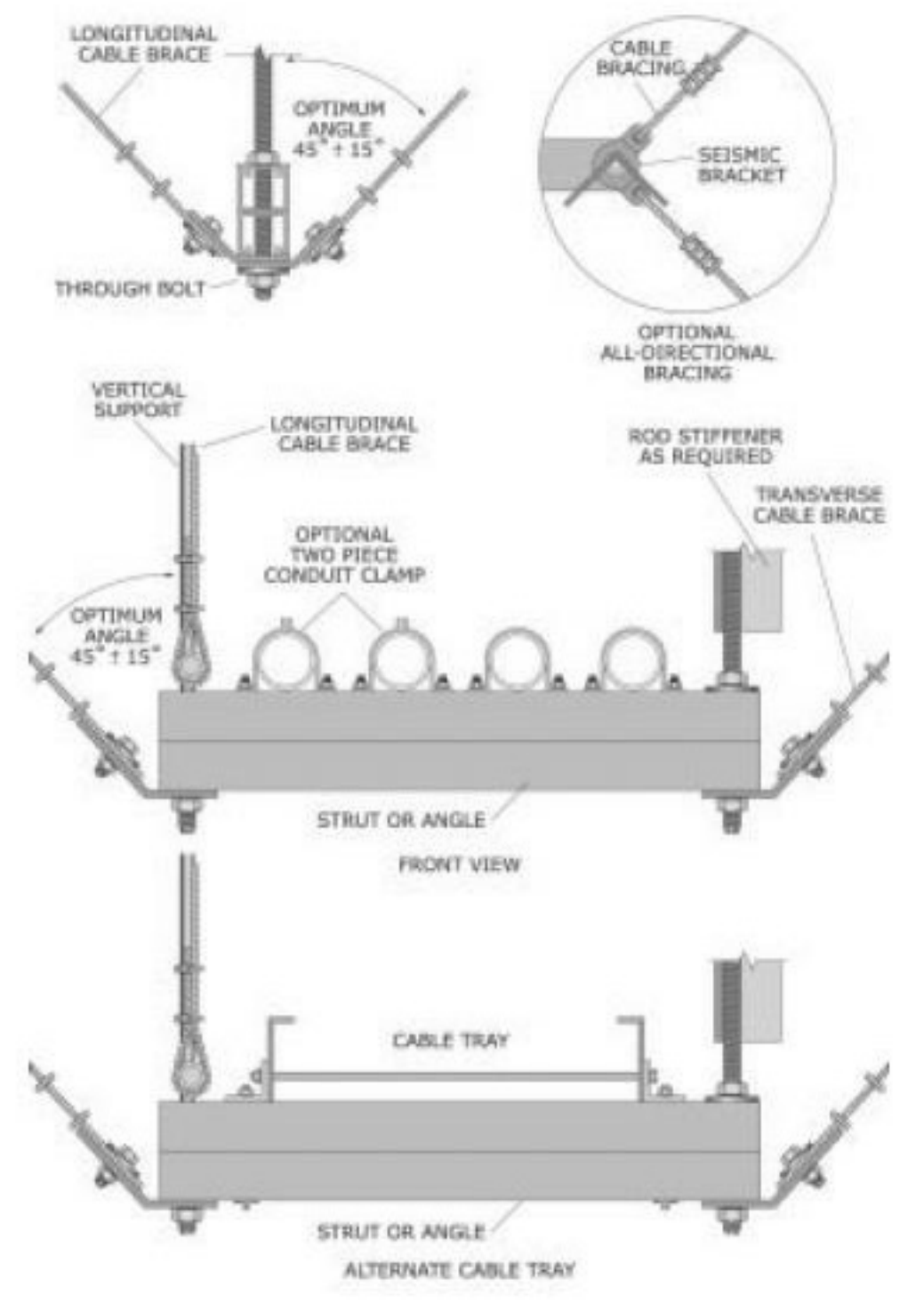
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8 SEISMIC SUPPORT: RACEWAY TO WALL
 N.T.S.



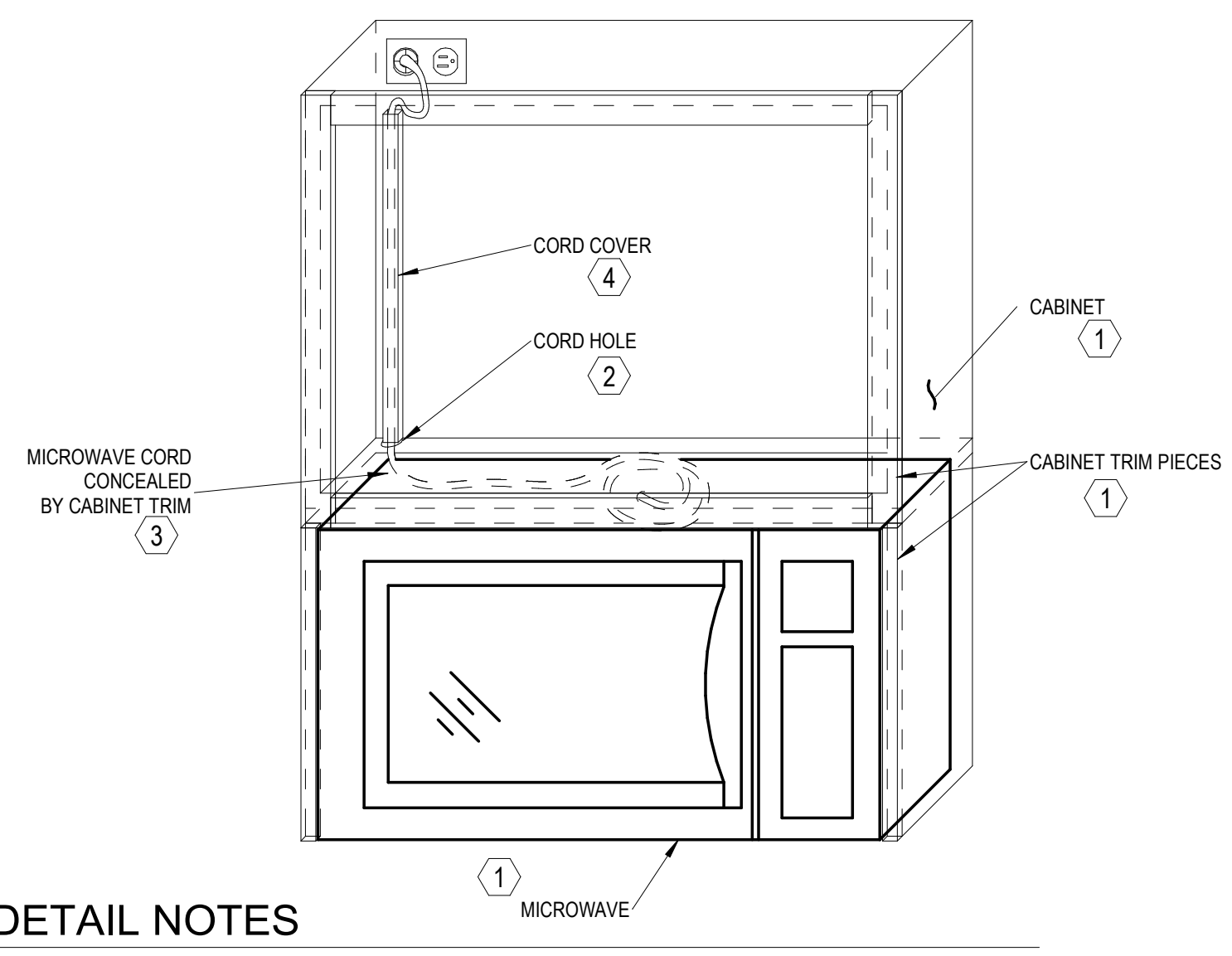
Conduit clamp supports with longitudinal cable lateral support and hanger rod.

7 SEISMIC SUPPORT_SUSPENDED RACEWAY
 N.T.S.



Trapeze support with cable lateral supports.

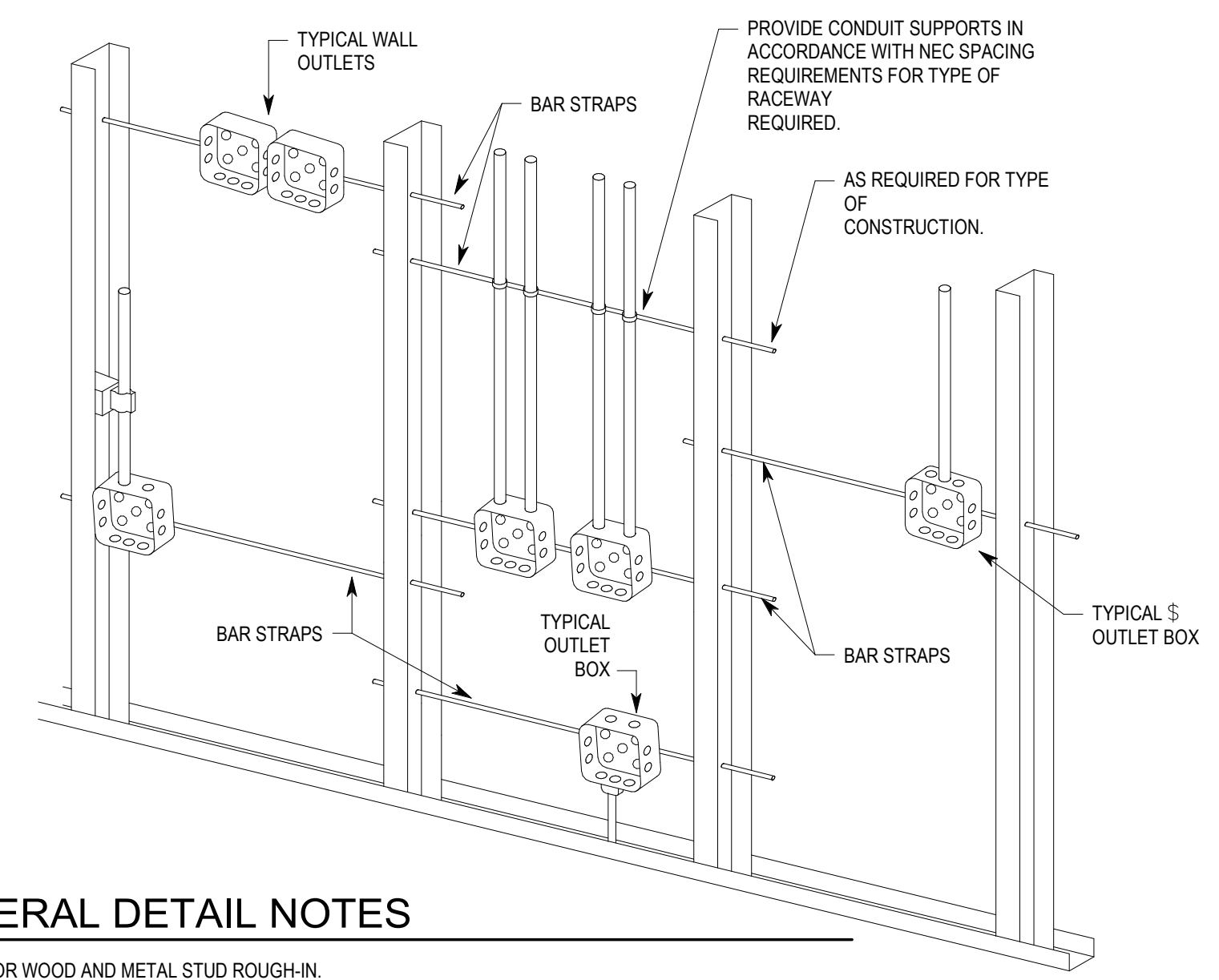
6 SEISMIC SUPPORT: RACEWAY TRAPEZE
 N.T.S.



DETAIL NOTES

1. BY OTHERS
2. DRILL CORD HOLE IN BACK COVER OF CABINET. LEFT OR RIGHT SIDE PER FIELD CONDITIONS.
3. COIL CORD ON TOP OF MICROWAVE BETWEEN APPLIANCE AND CABINET.
4. PROVIDE CORD COVER AND MOUNT IN BACK CORNER OF CABINET.

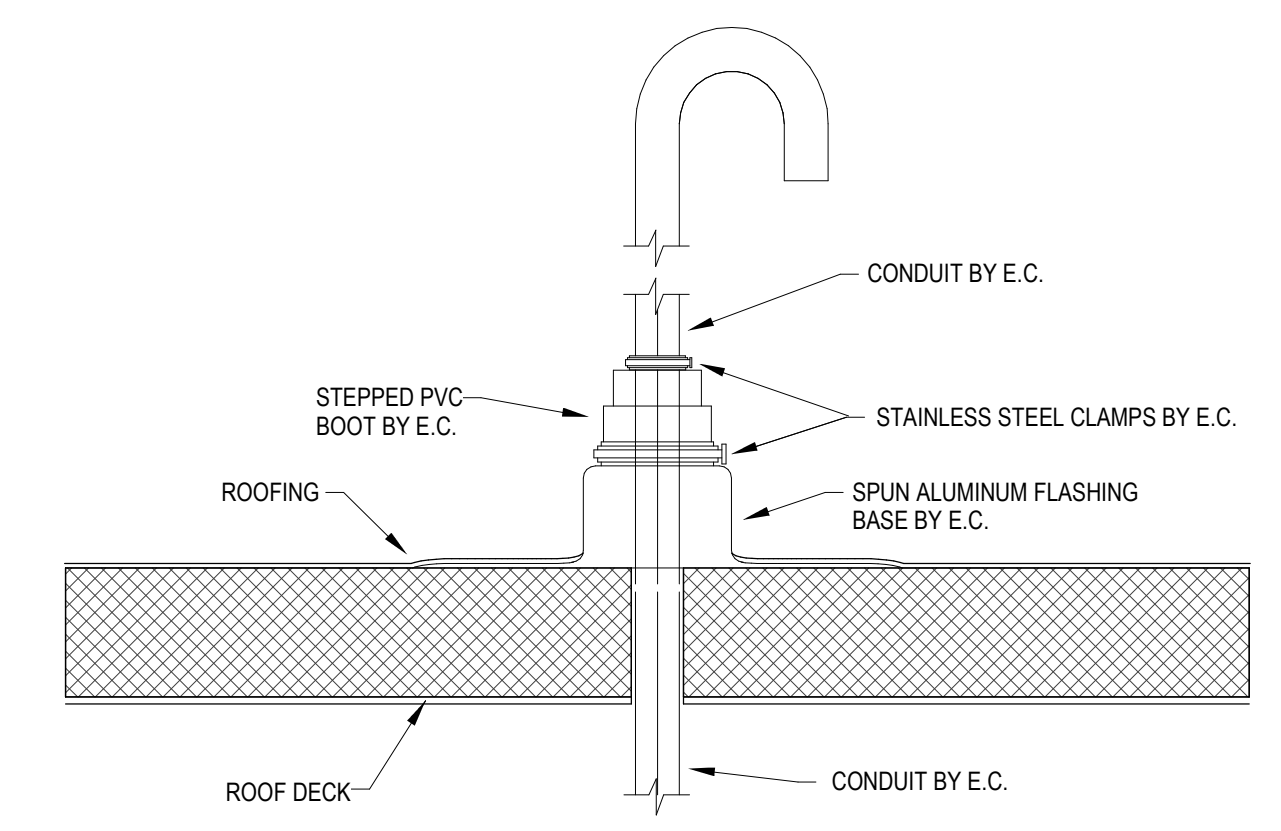
5 MICROWAVE INSTALLATION DETAIL
 N.T.S.



GENERAL DETAIL NOTES

1. TYPICAL FOR WOOD AND METAL STUD ROUGH-IN.
2. PLASTER RINGS NOT SHOWN.
3. LOCATE ALL OUTLET BOXES IN ACCORDANCE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS AND WITH ALL APPLICABLE SHOP DRAWINGS.
4. OUTLETS ON OPPOSITE SIDES OF WALLS OR PARTITIONS IN THE SAME STUD SPACE IN A RATED FIRE SEPARATION WALL MUST BE SEPARATED BY A MINIMUM OF 24" HORIZONTAL DISTANCE.
5. IN NON-RATED WALLS, OUTLETS ON OPPOSITE SIDES OF WALLS OR PARTITIONS MUST BE SEPARATED BY 16" FOR SOUND ATTENUATION.

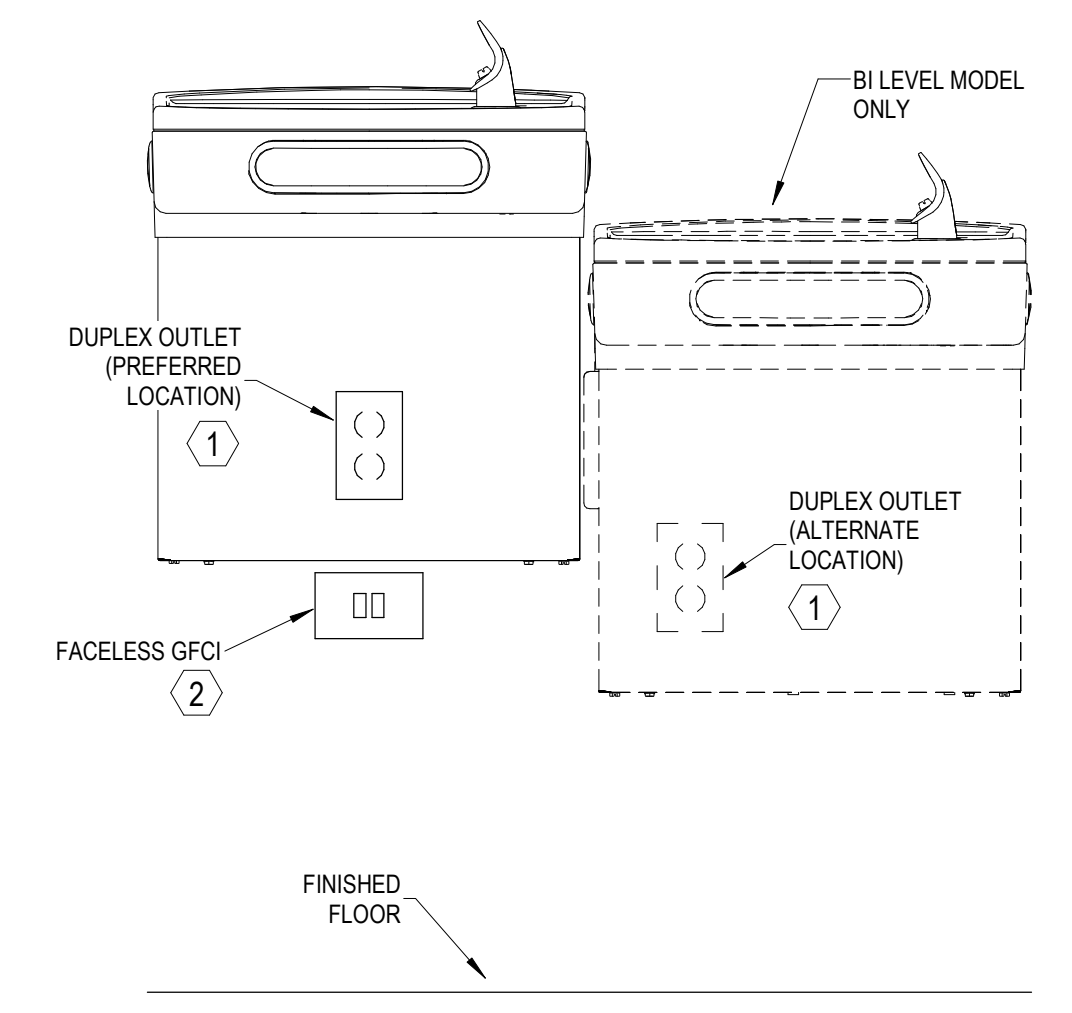
4 TYPICAL ROUGH-IN REQUIREMENTS DETAIL
 N.T.S.



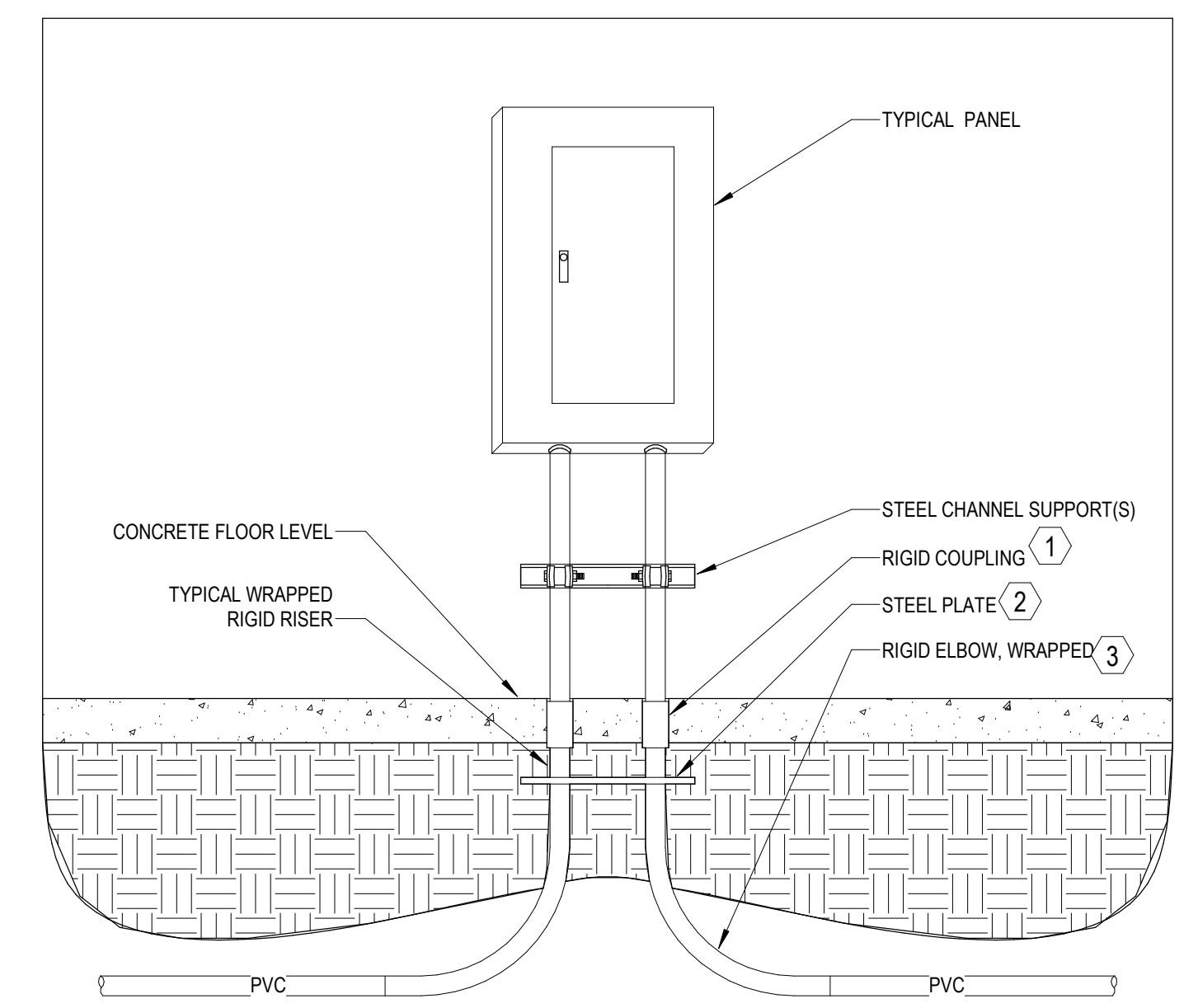
3 CONDUIT/ROOF PENETRATION DETAIL
 N.T.S.

DETAIL KEYED NOTES

1. VERIFY OUTLET LOCATION WITH MANUFACTURER'S REQUIREMENTS AND FIELD CONDITIONS TO BE CONCEALED WITH COVER INSTALLED.
2. FACELESS GFCI - HORIZONTAL, FLUSH-MOUNT IMMEDIATELY BELOW COOLER COVER TO BE ACCESSIBLE WITH COVER IN PLACE. CONNECT OUTLETS TO LOAD-SIDE OF GFCI.



2 Drinking Fountain Electrical Detail
 N.T.S.



DETAIL KEYED NOTES

1. SET COUPLING FLUSH WITH FINISH FLOOR.
2. PROVIDE STEEL PLATE WITH SAME DIMENSIONS AS PANEL BOTTOM PLATE. PUNCH PLATE PER CONDUITS ENTERING PANEL TO STRAIGHTEN/ORGANIZE CONDUITS PRIOR TO FINAL RISE INTO PANEL.
3. TRANSITION TO WRAPPED RIGID CONDUIT PRIOR TO RISING ABOVE FLOOR AS SPECIFIED.

1 EQUIPMENT CONDUIT RISER DETAIL
 N.T.S.

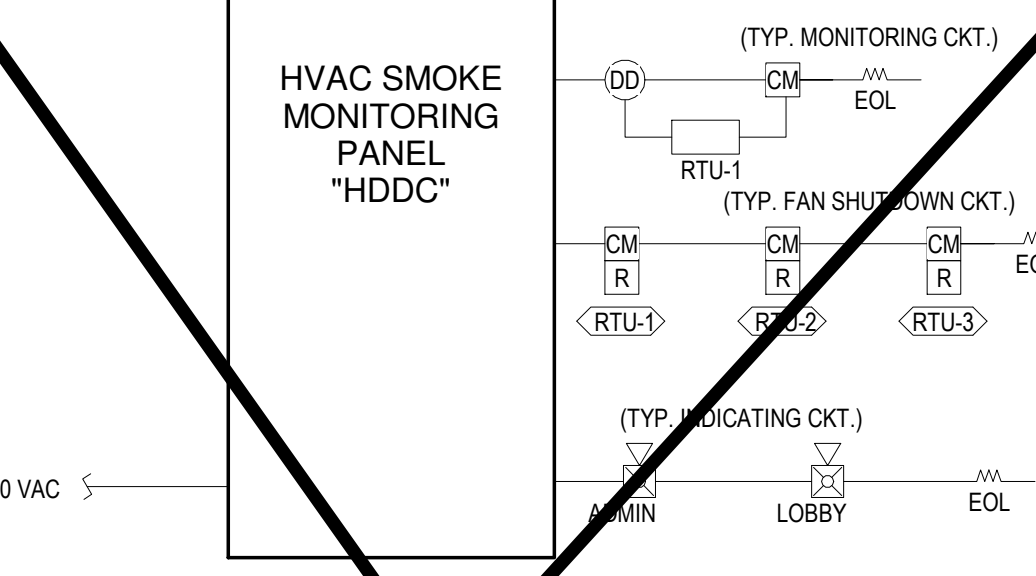
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GENERAL NOTES

1. ALL INSTALLATIONS TO COMPLY WITH THE 2017 NEC AND 2015 IFEC CAT 6 CABLE.
2. ALL RACEWAYS AND BOXES TO BE PROVIDED BY CONTRACTOR UNLESS SPECIFICALLY NOTED OTHERWISE.
3. ALL COMMUNICATIONS RACKS FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR.
4. ALL CABLING, JACKS, PATCH PANELS, FACE PLATES, CROSS CONNECTS AND PUNCH BLOCKS BY OWNER.
5. PROVIDE SWEEP BENDS FOR ALL CONDUITS.
6. PROVIDE CONNECTORS WITH INSULATED THROAT OR PLASTIC BUSHING ON ALL CONDUIT ENDS.
7. ALL CONDUIT AND COMMUNICATIONS BOXES SHALL BE PAINTED WITH BLUE COLORING.
8. PROVIDE PULL POINTS IN ALL CONDUITS.

KEYED NOTES

1. CONDUIT, TRENCHING AND BACKFILL BY CONTRACTOR. CONDUCTORS BY UTILITY.
2. PROVIDE REDUNDANT PATHWAYS TO COMMUNICATIONS UTILITY WITH 25' MINIMUM SEPARATION BETWEEN CONDUITS PER OWNER STANDARDS.
3. COORDINATE OWNERS RECEIVER ELECTRONICS WITH OWNER'S SATELLITE SYSTEM PROVIDER.
4. PROVIDE 3/4" PLYWOOD BACKBOARD (4x8" MINIMUM) ON WALLS OF NEW COMMUNICATIONS ROOM. SEE ET401 FOR LOCATION. FIELD PAINT TO MATCH ADJACENT WALL SURFACES.
5. PROVIDE PRE-DRILLED, CU GROUNDING BAR WITH STANDOFFS MOUNTED AT 12" AFF IN COMMUNICATIONS CLOSET. PROVIDE #6 CU GROUND TO GROUNDING ELECTRODE SYSTEM. PROVIDE #6 BONDING CONDUCTORS TO ALL EQUIPMENT RACKS, CABLE-TRAYS, RACEWAYS, AND OTHER ASSOCIATED COMMUNICATIONS AND AUXILIARY SYSTEMS EQUIPMENT AS NECESSARY.
6. COORDINATE UTILITY DEMARC LOCATION IN IN-FIELD MEETING WITH OWNER, CONTRACTOR AND UTILITY. UTILITY SHALL LIMIT HORIZONTAL EXTENSIONS ON PHONE BOARD TO AREA SHOWN ON FLOOR PLAN.
7. STRUCTURED CABLING AND TERMINATIONS BY OWNER.
8. PROVIDE POWER TO RACKS AND PHONE BOARD. SEE EP3XX SERIES SHEETS FOR ADDITIONAL INFORMATION.
9. EACH COMPLETELY FILLED TRIANGLE OUTLET SHOWN ON FLOOR PLANS REPRESENTS (3) DATA JACK DEVICES. WHERE OUTLETS HAVE A NUMERICAL SUPERSCRIPT, "X" REPRESENTS INCREASED QUANTITY OF JACKS.
10. EACH HALF-FILLED TRIANGLE OUTLET SHOWN ON FLOOR PLANS REPRESENTS (2) DATA JACKS DEVICES.
11. EACH EMPTY TRIANGLE OUTLET SHOWN ON FLOOR PLAN REPRESENTS SINGLE DATA JACK DEVICE.
12. EACH SQUARE IN CIRCLE OUTLET SHOWN ON FLOOR PLAN REPRESENTS (2) TV PORT LOCATION.
13. PROVIDE COMMUNICATIONS OUTLET BOX AS SCHEDULED FOR OUTLETS. SEE ET4XX SERIES SHEETS. FOR LOCATIONS AND COUNTS. TV OUTLETS SHOWN ADJACENT TO COMM OUTLETS ON FLOOR PLAN MAY BE COMBINED INTO THE SAME BOX/RACEWAY/FACEPLATE.
14. NOT USED.
15. PROVIDE CONNECTIONS FROM FLOOR VOICE/DATA OUTLETS (AS NOTED IN FLOOR BOX SCHEDULE AND SIMILAR NOTE ABOVE) TO DATA RACK.
16. PROVIDE CONNECTIONS TO MULTI-CHANNEL RACEWAY AS SHOWN. SEE ET4XX SERIES SHEETS FOR CONNECTION LOCATIONS.
17. PROVIDE CONDUIT STUB FROM OUTLETS TO NEAREST COMMUNICATIONS PATHWAY. PROVIDE INSULATED THROAT CONNECTORS ON ALL CONDUITS.
18. INSTALL OWNER FURNISHED DATA RACK.
19. PROVIDE J-HOOKS/D-RINGS 4" ON CENTER OR OTHER RACEWAYS ALONG PATHS SHOWN ON ET4XX SERIES SHEETS FOR ROUTES.
20. COMM ROOM LADDER RACK TRAY BY OWNER.
21. PROVIDE ELECTRICALLY BONDED RACEWAY SYSTEM - BOND COMM DEVICE CONDUITS TO COMM RACK, GROUND BUS, ETC. WHERE OUTLETS STUB TO ACCESSIBLE CEILING, BOND DEVICE BOX/CONDUIT TO ADJACENT ELECTRICAL OUTLET.
22. NOT USED.
23. PROVIDE WIRE MANAGEMENT HOOKS 12" ON CENTER UP PHONE BOARD.
24. PROVIDE CONDUIT STUB TO OWNER INSTALLED CCTV CAMERAS. SEE ET4XX SERIES SHEETS FOR LOCATIONS AND COUNTS.
25. REFER TO COMMUNICATIONS ROOM ELEVATIONS SHEET ET502 FOR SPECIFIC INSTALLATION REQUIREMENTS.

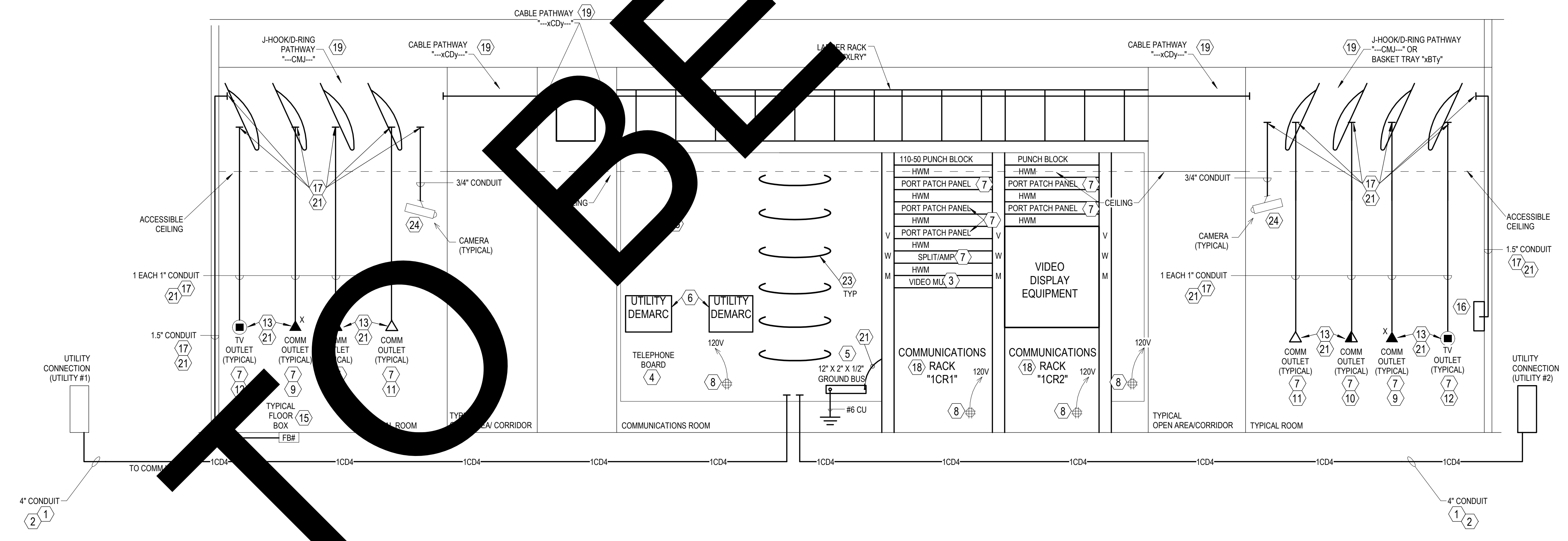


- DETAIL NOTES
1. ALL DUCT MONITORING CIRCUITS TO BE CONDUCTORS IN CONDUIT OR MC CABLE AND MARKED RED AS SPECIFIED.
 2. VERIFY ALL CABLE SIZES WITH SYSTEM ALARM VENDOR PRIOR TO BID AND ADJUST PER MANUFACTURER'S REQUIREMENTS.

3 HVAC DUCT SMOKE DETECTION AND NOTIFICATION SYSTEM DETAIL
 N.T.S.

COMMUNICATIONS RACEWAY SCHEDULE

SYMBOL	DESCRIPTION	QUANTITY PER TV	AS SHOWN	AS SCHEDULED	INSULATED THROAT CONNECTORS ON ALL PULL STRING	ACCESSORIES
xCDy	CONDUIT, QUANTITY "x" PER TV "y" AS INDICATED ON SCHEDULE					
CMJ	CABLE HOOKS AND HANGING CLIP QUANTITY AS REQUIRED FOR CURRENT CARRYING PLUS 50% RESERVE CAPACITY					COOPER B-LINE 84 SERIES (OR EQUIVALENT) RETAINER (BCHPR4) OTHER ACCESSORIES AS REQUIRED
xBT	3" X 1/2" STEEL WIRE MESH WITH MAXIMUM 6" SUPPORT SPACING (83 LBS/FT LOAD CAPACITY)					COOPER 84XX(Y)-EG SERIES (OR EQUIVALENT) ACCESSORIES AS REQUIRED
OUTLET BOX	5" SQUARE X 2 1/2" DEEP 3/4" MUD RING (2-GANG AS NOTED)					82181T-1 SERIES 82C-1G-3/4 (OR EQUIVALENT)
WIREMOLD	UNDER WIRE MANAGEMENT					CFG50/100 AS REQUIRED FOR MOUNTING TO BOTTOM OF COUNTERTOP



1 COMMUNICATIONS RISER DIAGRAM
 N.T.S.

NOT FOR CONSTRUCTION

MARK: _____ DATE: _____

DESCRIPTION	DATE

PROJECT #: 821239
 DRAWN BY: Author
 CHECKED BY: Checker
 ISSUED: 03.8.2022

COMMUNICATIONS RISER DIAGRAM & DETAILS

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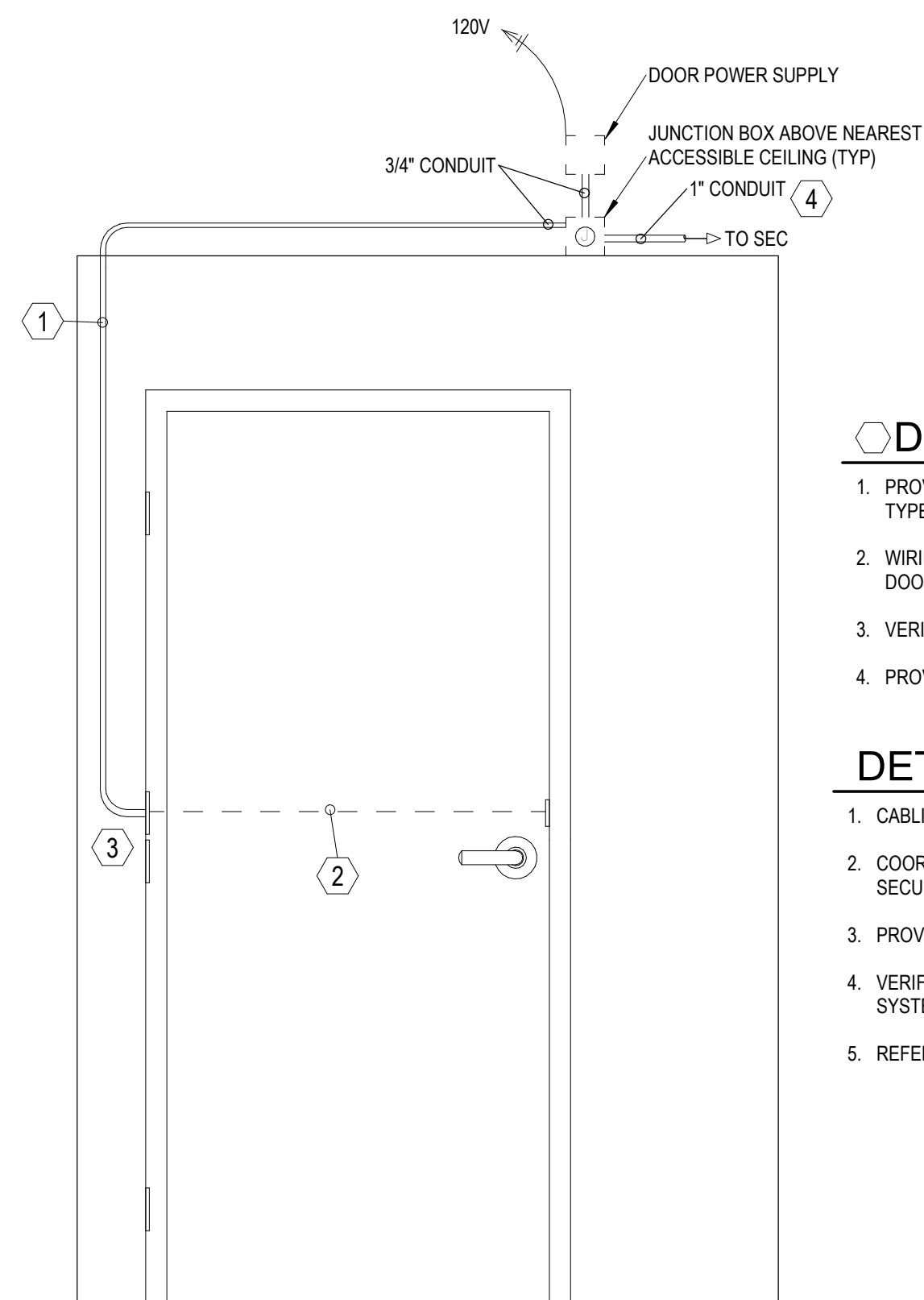
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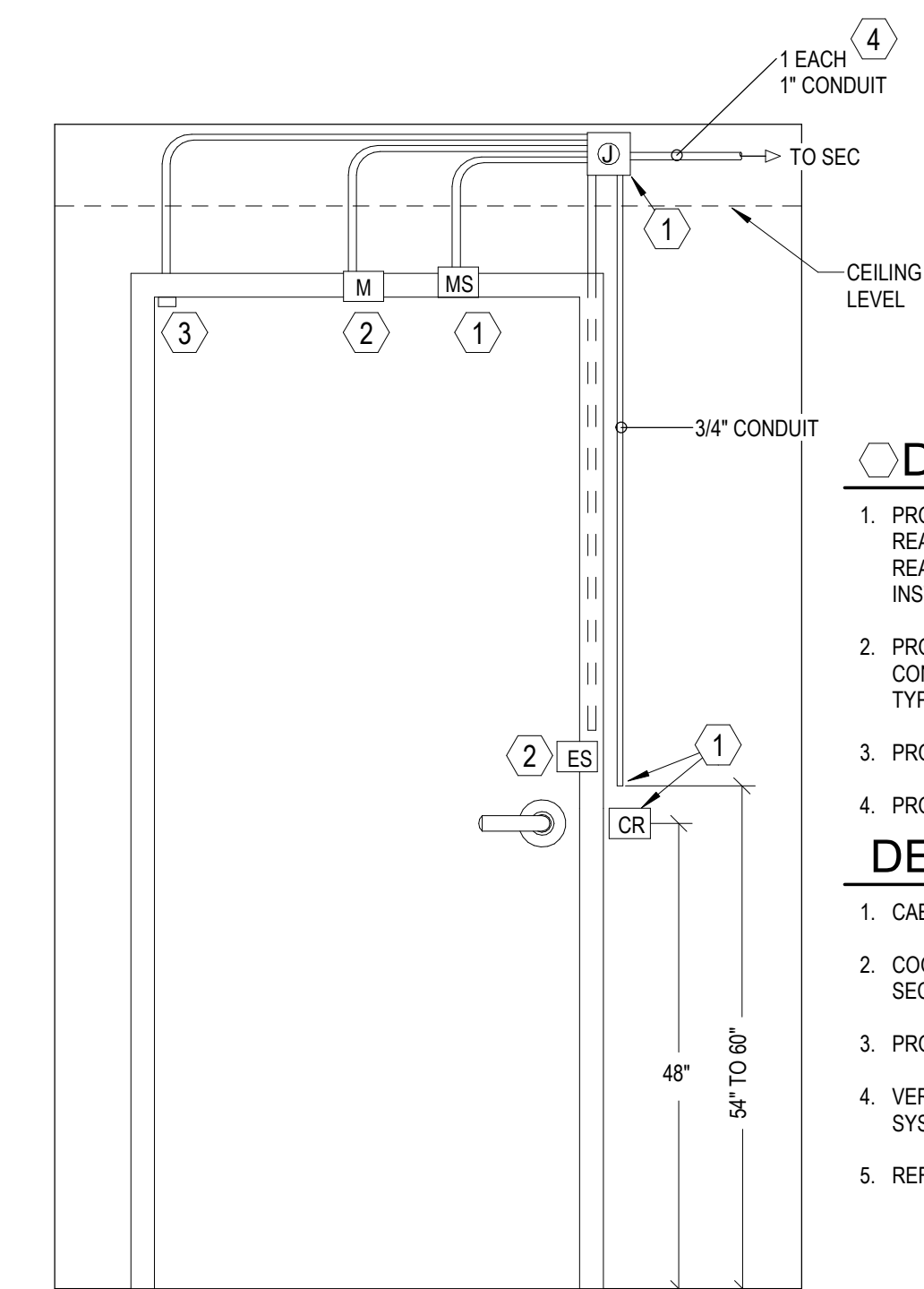


DETAIL KEYED NOTES

- 1. PROVIDE CONDUIT TO EPT HARDWARE. SEE ELECTRONIC SYSTEMS PLAN FOR TYPE USED AT EACH DOOR.
- 2. WIRING THROUGH HINGE TO ELECTRIFIED HARDWARE WITH INTEGRAL REX AND DOOR STATUS. CABLE BY OTHERS.
- 3. VERIFY HEIGHT WITH DOOR HARDWARE SUPPLIER.
- 4. PROVIDE HOME-RUN TO SECURITY SYSTEM HEAD-END LOCATION.

DETAIL GENERAL NOTES

- 1. CABLING BY OTHERS.
- 2. COORDINATE ALL CONDUIT, BOX TYPES AND LOCATIONS WITH OWNER'S SECURITY SYSTEM VENDOR PRIOR TO ROUGH-IN.
- 3. PROVIDE INSULATED THROAT CONNECTORS ON BOTH ENDS OF ALL CONDUITS.
- 4. VERIFY MOTION SENSORS ROUGH-IN WITH ARCHITECT AND OWNER'S SECURITY SYSTEM VENDOR PRIOR TO ROUGH-IN.
- 5. REFER TO ARCHITECTURAL DRAWINGS FOR DOOR HARDWARE TYPES.



DETAIL KEYED NOTES

- 1. PROVIDE CONDUIT FROM ABOVE CEILING J-BOX TO WITHIN 12" ABOVE CARD READER LOCATION. PROVIDE FLEXIBLE CONNECTION FROM CONDUIT TO CARD READER LOCATION. CARD READER SURFACE MOUNTS TO WALL. DO NOT INSTALL DEVICE BOX AT CARD READER LOCATION.
- 2. PROVIDE CONDUIT STUB INTO DOOR FRAME FOR EACH ELECTRICAL STRIKE OR CONDUIT TO MAG HOLDER ASSEMBLY. SEE ELECTRONIC SYSTEMS PLAN FOR TYPE USED AT EACH DOOR.
- 3. PROVIDE CONDUIT STUB INTO DOOR FRAME FOR DOOR POSITION SENSOR.
- 4. PROVIDE HOME-RUN TO SECURITY SYSTEM HEAD-END LOCATION.

DETAIL GENERAL NOTES

- 1. CABLING BY OTHERS.
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- 5. REFER TO ARCHITECTURAL DRAWINGS FOR DOOR HARDWARE TYPES.

TYPICAL ACCESS CONTROL DOOR ROUGH-IN DETAIL: ELECTRIC STRIKE

3 N.T.S.

MARK	DATE	DESCRIPTION

PROJECT #: 821239
 DRAWN BY: Author
 CHECKED BY: Checker
 ISSUED: 03.8.2022

NOT FOR CONSTRUCTION

DESCRIPTION:

DATE:

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ELECTRICAL ONE-LINE DIAGRAM
E-601.1

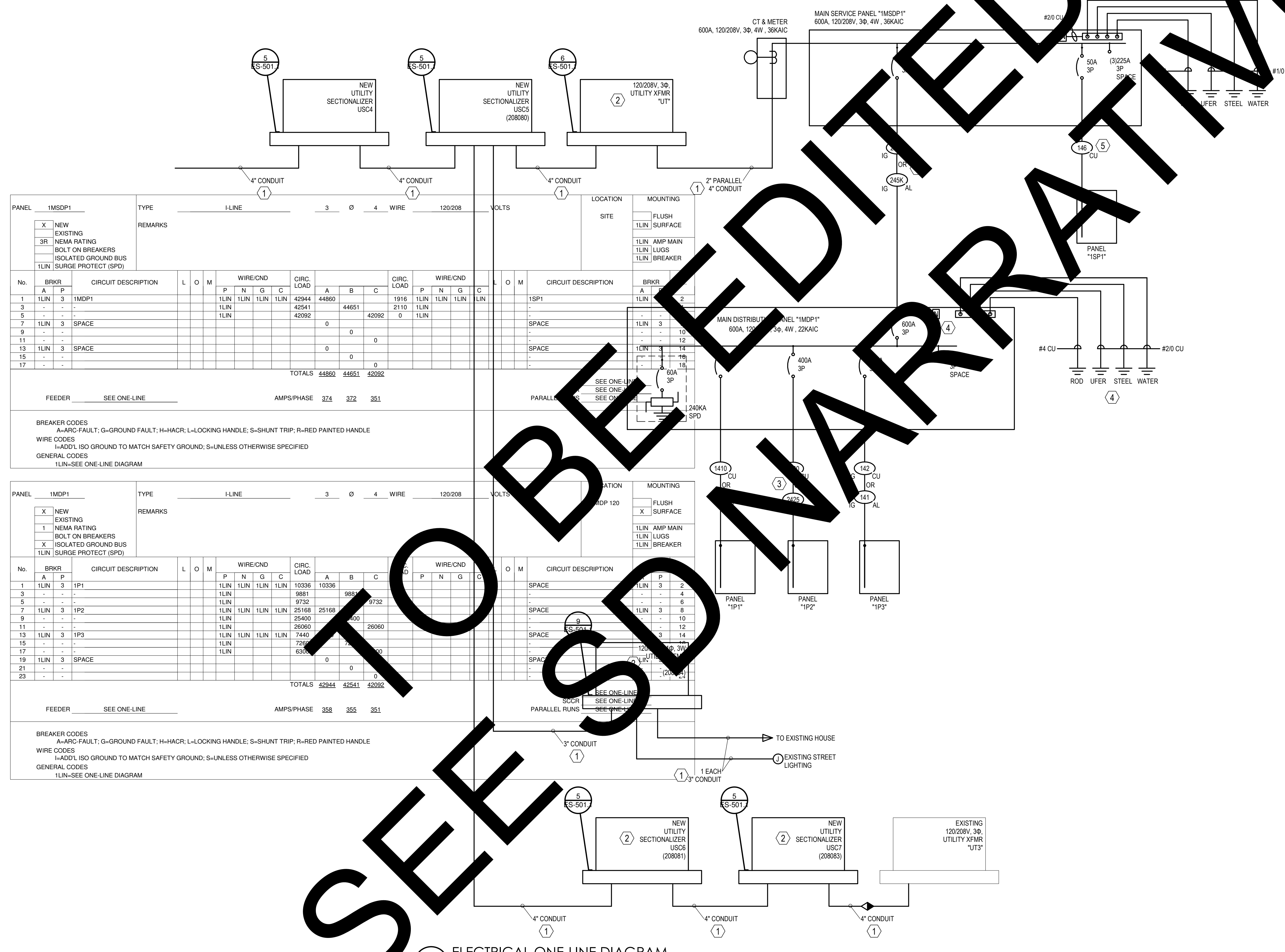
NOT FOR CONSTRUCTION

CONDUCTOR AND CONDUIT SCHEDULE												
SYM	SIZE OF CONDUCTORS		QUANTITY OF PHASE/NEUTRAL CONDUCTORS QUANTITY OF PARALLEL RUNS	CONDUIT SIZE	QTY	CONDUCTOR (NOTE 1,6,7)				NOTES		
	CU	AL				IG	SE	IG	SE		IG	SE
1212	20	N/A	1	3/4"	2	12	12	N/A	12	8	2.3	
1312					3						2.3	
1412					4						2.3	
120	30		2	10	10						2	
130					3						2	
140					4						2	
150					4						2	
138				1"	2	8			8		2	
148					3						2	
126					2	6			6		2	
136					3						2	
146					4						2	
124	70	55	2	4	8	6	4	4	4	4	2	
134					3						2	
144					4						2	
123	85	65	2	3					3	3	2	
133					3						2	
143					4						2	
132	95	75	3	2					2	2	6	
142					1.5"						2	
131	130	100	3	1	6					6	2	
141					4						2.8	
1310	150	120	2	3	1/0	4	1	1			2	
1410					4						2	
1320	175	135	3	2					4	4	2	
1420					4						2	
1330	200	155	3	3/0							2	
1430					2.5"						2	
1340	230	180	3	4/0	4	1	2	2	2	2	2	
1440					4						2	
1325	255	205	3	250					2/0		2	
1425					3"						2.8	
133K	285	230	3	300					1/0	2.8	2	
143K					4						2	
1335	310	250	3	350	3	1/0					2	
1435					4						2.8	
134K	335	270	3.5	3	400				1/0	2	2	
144K					4						2	
135K	380	310	4"	3	500	1	3/0				2.4	
145K					4						2.4	
1375	475	385	3	750	2	2/0	2/0	3/0	2/0	3/0	2.4	
1475					4						2.4	
2330	400	310	2	2"	3	3/0	3	1/0	3/0	2	1/0	2.4
2430					2.5"	4						2.4
2340	460	360	3	4/0	2	2/0	1/0					2.4
2440					4							2.4
2325	510	410	3	250	1/0	3/0	4/0					2.4
2425					3"							2.4,8
233K	570	460	3	300					3/0	2.4,8		
243K					4							2.4
2335	620	500	2	3"	3	350	1/0	1/0	4/0	2/0	3/0	2.4
2435					4							2.4,8
234K	670	540	3.5	3	400	2/0						2.4
244K					4							2.4
235K	760	620	4"	3	500	3/0	300	4/0				2.4
245K					4							2.4
2375	950	770	3	750					4/0			2.4
2475					4							2.4

CONDUIT AND CONDUCTOR SCHEDULE NOTES:

- CONDUCTORS SHOWN ARE SHOWN FOR EACH CONDUIT WITH MODIFICATIONS AS NOTED IN NOTE #5. ALL CONDUCTORS SHOWN ARE THWN FOR CU OR THWN OR XHHW FOR AL UNLESS OTHERWISE NOTED.
- PROVIDE EQUIPMENT GROUNDING CONDUCTORS PER NEC TABLE 250.122 WHEN CIRCUIT BREAKERS ARE SIZED GREATER THAN AMPERE RATING SHOWN IN TABLE.
- PROVIDE #10 NEUTRALS FOR MULTIWIRE BRANCH CIRCUITS SERVING COMPUTERS.
- GROUND (G) CONDUCTOR MAY BE DELETED ON SERVICE ENTRANCE CONDUCTORS.
- SYMBOL SUBSCRIPTS:
 - "IG": INCLUDE IG (INSULATED/ISOLATED GROUND CONDUCTOR) SCHEDULED ALONG WITH THE GROUND OF EQUIPMENT GROUND CONDUCTOR.
 - "SE": SUBSTITUTE "SE" CONDUCTOR FOR "G" CONDUCTOR SHOWN, WHICH IS SIZED FOR THE GROUNDING OF THE SECONDARY OF THE SEPARATELY DERIVED SYSTEM.
 - "2N": INCLUDE TWO NEUTRAL CONDUCTORS, SIZED AS SCHEDULED FOR PHASED AND NEUTRAL CONDUCTORS.
 - "R": RACEWAY ONLY CONDUCTORS PROVIDED BY UTILITY.
 - "V": PHASE AND NEUTRAL CONDUCTORS UPSIZED FOR VOLTAGE DROP. UPSIZE GROUNDING CONDUCTOR(G) PER NEC 250.122(B).
 - "A": ALUMINUM CONDUCTORS ALLOWED FOR FEEDER INDICATED. ALUMINUM CONDUCTORS ARE NOT TO BE USED FOR CONNECTIONS TO MOTORS OR MOTOR DRIVEN EQUIPMENT.
- A FULL SIZE GROUNDING CONDUCTOR (SE OR G AND/OR IG) SHALL BE INSTALLED IN EACH RACEWAY OR CABLE FOR PARALLELED CIRCUITS.
- GROUNDING CONDUCTORS (G, IG, AND SE) SHALL BE OF THE SAME CONDUCTOR MATERIAL AS THE CORRESPONDING PHASE CONDUCTORS TO KEEP TABLE CALCULATIONS IN 7. ACCORDANCE WITH NEC REQUIREMENTS.
- INCREASE CONDUIT TO NEXT LARGEST STANDARD CONDUIT SIZE WHEN IG IS USED.
- * CONDUIT SIZED FOR COMPACT ALUMINUM CONDUCTORS. USE COPPER CONDUIT SIZE FOR STANDARD SIZE CONDUCTORS.

- | GENERAL NOTES | KEYED NOTES |
|---|---|
| <ol style="list-style-type: none"> COMPLY WITH POWER UTILITY'S REQUIREMENTS FOR ALL UTILITY RELATED INSTALLATIONS. REVIEW CURRENT UTILITY STANDARDS MANUAL PRIOR TO BID. NOTIFY ENGINEER OF CONFLICTS PRIOR TO BID. AIC RATINGS SHOWN INDICATE MINIMUM REQUIRED VALUES. USE MANUFACTURERS STANDARD EQUIPMENT WITH NEXT HIGHER RATING. INSTALL GROUNDING ELECTRODE CONDUCTORS IN CONDUIT WHERE CONDUCTOR IS NOT ABLE TO BE CONCEALED IN BUILDING FINISHES. A FULL SIZE EQUIPMENT GROUNDING CONDUCTOR SIZED FOR THE OVERCURRENT PROTECTIVE DEVICE PROTECTING THE CIRCUIT IS REQUIRED IN EACH RACEWAY OR CABLE FOR PARALLELED CIRCUITS. CONTRACTOR SHALL DOCUMENT FEEDER CONDUCTOR LENGTH ON FIELD REDLINE SET. REFER TO SPECIFICATIONS FOR SERIES VS. FULLY RATED REQUIREMENTS. | <ol style="list-style-type: none"> PRIMARY AND SECONDARY TRENCHING, BACKFILL AND SECONDARY CONDUIT BY CONTRACTOR. PRIMARY CONDUIT, PRIMARY AND SECONDARY CONDUCTORS BY UTILITY. EQUIPMENT PAD BY CONTRACTOR. EQUIPMENT BY UTILITY. ALTERNATE CONFIGURATIONS OF PARALLELED FEEDERS CAN BE USED WITH ENGINEERS, PRIOR WRITTEN APPROVAL. PROVIDE GROUNDING AND BONDING AT SEPARATE STRUCTURE PER NEC 250.32(B)(1). DO NOT BOND GROUND TO NEUTRAL AT THIS LOCATION. PROVIDE 5' MINIMUM CONDUCTOR LENGTH TO MAINTAIN DESIGN AIC RATING. |



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1 ELECTRICAL ONE-LINE DIAGRAM
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LIGHT FIXTURE SCHEDULE											
MANUFACTURER/CATALOG NO.	DESCRIPTION	MOUNTING SURFACE	WATTS	LUMENS	LAMPS	TYPE	MANUFACTURER/CATALOG NO.	DESCRIPTION	MOUNTING ARCHITECT	WATTS (9W/LF)	LUMENS NOMINAL LED
1-35K POWER SUPPLY(S)	LED LIGHT STICK; DIRECTLY LINKABLE; WHITE CHANNEL COVER; LENGTHS ESTIMATED PER # ON LIGHTING PLAN--CONTRACTOR VERIFY ACTUAL LENGTHS PRIOR TO FINAL RELEASE; ASP5 DIMMABLE POWER SUPPLIES (QUANTITY AS DETERMINED BY FACTORY); SUPPLY POWER JUMPERS AND JUMP COUPLERS--LENGTHS AND QUANTITIES AS DETERMINED BY CONTRACTOR; OTHER ACCESSORIES AS REQUIRED FOR COMPLETE SYSTEM INSTALLATION		3.9 W/FT	350 LUMEN/FT	NOMINAL LED 3500K	OW4- L32 OW4- L32(B)	PINNALE EX3-WET-N-840HO-4-IND-WA-U-OL2-1(1P)-CBA ALW LP3.SWDLW-S4-MED-90-4000K-010V/S-EXT-F-CCBA-UNV-(EM) OR EQUIVALENT	WALL MOUNT LINEAR, 3" NOMINAL WIDTH; WET LOCATION RATED; DIFFUSE LENS; MULTI-VOLT, ELECTRONIC, DIMMABLE DRIVER; COLOR AS SELECTED BY ARCHITECT TO MATCH BUILDING FINISH; EM BATTERY WHERE (B) OPTION INDICATED ON DRAWINGS	WALL PER ARCHITECT	36 W	3200 LUMEN
0-10/10V/S-SCBA-UNV	DECORATIVE PENDANT; 84" DIAMETER; SUSPENSION HEIGHT AS INDICATED ON ARCHITECTURAL DRAWINGS; MULTI-VOLT, ELECTRONIC, DIMMABLE (10%) DRIVER; COLOR AS SELECTED BY ARCHITECT; CANOPY WITH FALSE CEILING SUPPORT ABOVE DECORATIVE WOOD CEILING	PENDANT	324 W	24000 LUMEN	NOMINAL LED 3500K	OW- L1K OW- L1K(P)	TERON LIGHTING TRITON-M-LED-L12.5-MVOLT-SCBA-40K-(PCLXXX)/DIM NO EQUIVALENTS	EXTERIOR WALL FIXTURE; LED LAMPING; TYPE 4 OPTICAL DISTRIBUTION; MULTI-VOLT, DIMMABLE DRIVER; DARK-SKY COMPLIANT	WALL	12.5 W	1000 LUMEN
D-G-W-E-I-8	EXIT SIGN; SINGLE FACE; EDGE-LIT; WHITE FRAME; MIRRORING HOUSING BATTERY PACK; SELF DIAGNOSTICS; PENDANT WHERE NOTED ON DRAWINGS; OTHER MOUNTS PER INSTALLED LOCATION	WALL, CEILING, OR PENDANT 1-FACE	3.6 W	LED		OW- L4K	TERON LIGHTING TRITON LED L35.0-ZE1050-MVOLT-SCBA-40K NO EQUIVALENTS	EXTERIOR WALL FIXTURE; LED LAMPING; TYPE 4 OPTICAL DISTRIBUTION; MULTI-VOLT, DIMMABLE DRIVER; DARK-SKY COMPLIANT	WALL	47W	4000 LUMEN
R-1-GMR-EL/SD	EXIT SIGN; SINGLE FACE; EDGE-LIT; WHITE FRAME; MIRRORING HOUSING BATTERY PACK; SELF DIAGNOSTICS; WALL MOUNT (BACK)	WALL PENDANT 1-FACE	3.6 W	LED		P31- L7K P31- L7K(H)	LITHONIA RSX1-P1-40K-R3-MVOLT-SPA-(HS)-NLTAIR2-PIRHN-SCBA SSA-12-5G-DM19"-FBC-NEC-SCBA NO EQUIVALENTS	EXTERIOR POLE LIGHT; MULTI-VOLT, ELECTRONIC, DRIVER; TYPE 3 OPTICAL DISTRIBUTION; WIRELESS CONTROL INTEGRATED WITH LIGHTING CONTROL SYSTEM; 30% NIGHT SETBACK WITH LOW LEVEL MOTION SENSOR OVERRIDE ON TO FULL OUTPUT; MOTION SENSOR INTEGRATED INTO HEAD; HOUSE SIDE SHIELD WHERE (H) APPEND SHOWN; STRAIGHT, SQUARE, 12" ALUMINUM POLE; FULL BASE COVER; 110 MPH EPA RATING UNLESS OTHERWISE INDICATED	POLE VEHICULAR POLE BASE SEE DETAIL	51 W	7000 LUMEN
D-G-W-E-I-8	EXIT SIGN; DOUBLE FACE; EDGE-LIT; WHITE FRAME; MIRRORING HOUSING BATTERY PACK; SELF DIAGNOSTICS; PENDANT WHERE NOTED ON DRAWINGS; OTHER MOUNTS PER INSTALLED LOCATION	WALL, CEILING, OR PENDANT 2-FACE	5 W	LED		P32- L7K	(2) LITHONIA RSX1-P1-40K-R3-MVOLT-SPA-(HS)-NLTAIR2-PIRHN-SCBA SSA-12-5G-DM28"-FBC-NEC-SCBA NO EQUIVALENTS	EXTERIOR POLE LIGHT; MULTI-VOLT, ELECTRONIC, DRIVER; TYPE 3 OPTICAL DISTRIBUTION; WIRELESS CONTROL INTEGRATED WITH LIGHTING CONTROL SYSTEM; 30% NIGHT SETBACK WITH LOW LEVEL MOTION SENSOR OVERRIDE ON TO FULL OUTPUT; MOTION SENSOR INTEGRATED INTO HEAD; HOUSE SIDE SHIELD WHERE (H) APPEND SHOWN; STRAIGHT, SQUARE, 12" ALUMINUM POLE; FULL BASE COVER; 110 MPH EPA RATING UNLESS OTHERWISE INDICATED	POLE VEHICULAR POLE BASE SEE DETAIL	2 @ 51 W	2 @ 7000 LUMEN
R-2-GMR-EL/SD	RECESSED, VOLUMETRIC TROFFER; LED LAMPING; MULTI-VOLT, DIMMING, DRIVER; EM BATTERY PACK WHERE NOTED ON DRAWINGS; OUTPUT WHERE NOTED ON DRAWINGS; 1% DIMMING WHERE (D) APPEND INCLUDED	RECESSED	17 W	2000 LUMEN	NOMINAL LED 3500K	P41- L7K P41- L7K(H)	LITHONIA RSX1-P1-40K-R4-MVOLT-SPA-(HS)-NLTAIR2-PIRHN-SCBA SSA-12-5G-DM19"-FBC-NEC-SCBA NO EQUIVALENTS	EXTERIOR POLE LIGHT; MULTI-VOLT, ELECTRONIC, DRIVER; TYPE 4 OPTICAL DISTRIBUTION; WIRELESS CONTROL INTEGRATED WITH LIGHTING CONTROL SYSTEM; 30% NIGHT SETBACK WITH LOW LEVEL MOTION SENSOR OVERRIDE ON TO FULL OUTPUT; MOTION SENSOR INTEGRATED INTO HEAD; HOUSE SIDE SHIELD WHERE (H) APPEND SHOWN; STRAIGHT, SQUARE, 12" ALUMINUM POLE; FULL BASE COVER; 110 MPH EPA RATING UNLESS OTHERWISE INDICATED	POLE VEHICULAR POLE BASE SEE DETAIL	51 W	7000 LUMEN
C-2-33L-ADP-GZ10-LP835-(EL14)	RECESSED, VOLUMETRIC TROFFER; LED LAMPING; MULTI-VOLT, DIMMING, DRIVER; EM BATTERY PACK WHERE NOTED ON DRAWINGS; OUTPUT WHERE NOTED ON DRAWINGS; 1% DIMMING WHERE (D) APPEND INCLUDED	RECESSED	27 W	3300 LUMEN	NOMINAL LED 3500K	P52- L7K	(2) LITHONIA RSX1-P1-40K-R5-MVOLT-SPA-(HS)-NLTAIR2-PIRHN-SCBA SSA-12-5G-DM28"-FBC-NEC-SCBA NO EQUIVALENTS	EXTERIOR POLE LIGHT; MULTI-VOLT, ELECTRONIC, DRIVER; TYPE 5 OPTICAL DISTRIBUTION; WIRELESS CONTROL INTEGRATED WITH LIGHTING CONTROL SYSTEM; 30% NIGHT SETBACK WITH LOW LEVEL MOTION SENSOR OVERRIDE ON TO FULL OUTPUT; MOTION SENSOR INTEGRATED INTO HEAD; HOUSE SIDE SHIELD WHERE (H) APPEND SHOWN; STRAIGHT, SQUARE, 12" ALUMINUM POLE; FULL BASE COVER; 110 MPH EPA RATING UNLESS OTHERWISE INDICATED	POLE VEHICULAR POLE BASE SEE DETAIL	2 @ 51 W	2 @ 7000 LUMEN
R-2-40L-ADP-GZ10-LP835-(EL14)	RECESSED, VOLUMETRIC TROFFER; LED LAMPING; MULTI-VOLT, DIMMING, DRIVER; EM BATTERY PACK WHERE NOTED ON DRAWINGS; OUTPUT WHERE NOTED ON DRAWINGS; 1% DIMMING WHERE (D) APPEND INCLUDED	RECESSED	32 W	4000 LUMEN	NOMINAL LED 3500K	RL- L1K RL- L1K(B)	GOTHAM EVO6-35-10-AR-MWD-LD-MVOLT-EZ-(EL) OR EQUIVALENT	RECESSED CAN; LED LAMPING; CLEAR, OPEN, SEMI-SPECULAR CONE; 6" NOMINAL OPENING; SELF-FLANGED CONE; DIMMABLE; EM BATTERY WHERE (B) SHOWN ON LIGHTING PLAN; TRIM EXTENDER WHERE REQUIRED	RECESS	14.5W	1000 LUMEN
C-2-48L-ADP-GZ10-LP835-(EL14)	RECESSED, VOLUMETRIC TROFFER; LED LAMPING; MULTI-VOLT, DIMMING, DRIVER; EM BATTERY PACK WHERE NOTED ON DRAWINGS; OUTPUT WHERE NOTED ON DRAWINGS; 1% DIMMING WHERE (D) APPEND INCLUDED	RECESSED	44 W	5000 LUMEN	NOMINAL LED 3500K	RL- L1T RL- L1T(B)	GOTHAM EVO6-35-10-AR-MWD-LD-MVOLT-EZ-(EL) OR EQUIVALENT	RECESSED CAN; LED LAMPING; CLEAR, OPEN, SEMI-SPECULAR CONE; 6" NOMINAL OPENING; SELF-FLANGED CONE WITH BLACK TRIM RING; DIMMABLE; EM BATTERY WHERE (B) SHOWN ON LIGHTING PLAN; TRIM EXTENDER WHERE REQUIRED	RECESS	14.5W	1000 LUMEN
2436	MIRROR WITH INTEGRAL LED LIGHTING SIDELIGHTS;	INTEGRAL MIRROR	1200 LUMEN	NOMINAL LED 3500K		RL- L15 RL- L15(B)	GOTHAM EVO-35-10-AR-MWD-LSS-MVOLT-EZ-(EL) (CTA48YK) OR EQUIVALENT	RECESSED CAN; LED LAMPING; CLEAR, OPEN, SEMI-SPECULAR CONE; 6" NOMINAL OPENING; SELF-FLANGED CONE; DIMMABLE; EM BATTERY WHERE (B) SHOWN ON LIGHTING PLAN; TRIM EXTENDER WHERE REQUIRED	RECESS	19.1W	1500 LUMEN
B-2-14L-350-NWG2-3-UNV-DD-SCBA-300LED-42-40-MDL03-FG-SCBA	DECORATIVE LED BOLLARD; 6" NOMINAL DIAMETER; 42" NOMINAL HEIGHT; 180 DEGREE OPTICAL PATTERN; ALUMINUM HOUSING; LOUVERS; DOME TOP; MULTI-VOLT, ELECTRONIC, DIMMABLE DRIVER;	BASE SEE DETAIL	30 W	3000 LUMEN	NOMINAL LED 4000K	RL- L2T RL- L2T(B)	GOTHAM EVO6-35-20-AR-MWD-LD-MVOLT-EZ-(EL) (CTA48YK) OR EQUIVALENT	RECESSED CAN; LED LAMPING; CLEAR, OPEN, SEMI-SPECULAR CONE; 6" NOMINAL OPENING; SELF-FLANGED CONE WITH BLACK TRIM RING; DIMMABLE; EM BATTERY WHERE (B) SHOWN ON LIGHTING PLAN; TRIM EXTENDER WHERE REQUIRED	RECESS	26.5W	2000 LUMEN
A-2-2201-NOUP-L40K-MVOLT-NOUP-MED-EMAT-16XT-20L-40K-WD-DS10X-WL-TCY-WM-	LED CYLINDER; DOWNLIGHT ONLY; 50 DEGREE BEAM SPREAD; WET LOCATION RATED; MULTI-VOLT DIMMABLE, ELECTRONIC DRIVER; NO UPLIGHT COMPONENT;	RECESS	29 W	2000 LUMEN	NOMINAL LED 4000K	RL- L3T RL- L3T(B)	GOTHAM EVO6-35-30-AR-MWD-LD-MVOLT-EZ-(EL) (CTA48YK) OR EQUIVALENT	RECESSED CAN; LED LAMPING; CLEAR, OPEN, SEMI-SPECULAR CONE; 6" NOMINAL OPENING; SELF-FLANGED CONE WITH BLACK TRIM RING; DIMMABLE; EM BATTERY WHERE (B) SHOWN ON LIGHTING PLAN; TRIM EXTENDER WHERE REQUIRED	RECESS	37 W	3000 LUMEN
B-2-840-2-IND-FL-U-OL2-1-1P-CBA-P-3-FLP-80CRI-40KI-400LMF-MIN10-MVOLT-(E10WLP)-ZT-WL	RECESSED LINEAR, 3" NOMINAL WIDTH; FLANGE MOUNT; WET LOCATION RATED; DIFFUSE LENS; MULTI-VOLT, ELECTRONIC, DIMMABLE DRIVER; COLOR AS SELECTED BY ARCHITECT TO MATCH BUILDING FINISH; EM BATTERY WHERE (B) OPTION INDICATED ON DRAWINGS	RECESS	15 W (5W/LF)	700 LUMEN	NOMINAL LED 4000K	S4- L5K S4- L5K(B)	LITHONIA CLX-L48-5000LM-SEF-FDL-MVOLT-GZ10-35K-80CRI-(P51050)-SCBA HE WILLIAMS LIGHTOLIER 75-4-L85-840-DIM-UNV OR EQUIVALENT	LED STRIP FIXTURE; MULTI-VOLT, ELECTRONIC, DIMMABLE DRIVER; DIFFUSE LENS; EM BATTERY WHERE NOTED ON DRAWINGS	SURFACE OR CABLE SUSPENDED WHERE NOTED	35 W	5000 LUMEN
A-2-840-3-IND-FL-U-OL2-1-1P-CBA-P-6-FLP-80CRI-40KI-400LMF-MIN10-MVOLT-(E10WLP)-ZT-WL	RECESSED LINEAR, 3" NOMINAL WIDTH; FLANGE MOUNT; WET LOCATION RATED; DIFFUSE LENS; MULTI-VOLT, ELECTRONIC, DIMMABLE DRIVER; COLOR AS SELECTED BY ARCHITECT TO MATCH BUILDING FINISH; EM BATTERY WHERE (B) OPTION INDICATED ON DRAWINGS	RECESS	1800 LUMEN	NOMINAL LED 4000K		S4- L7K S4- L7K(B)	LITHONIA CLX-L48-7000LM-SEF-FDL-MVOLT-GZ10-35K-80CRI-(P51050)-SCBA HE WILLIAMS LIGHTOLIER 75-4-L85-840-DIM-UNV OR EQUIVALENT	LED STRIP FIXTURE; MULTI-VOLT, ELECTRONIC, DIMMABLE DRIVER; DIFFUSE LENS; EM BATTERY WHERE NOTED ON DRAWINGS	SURFACE OR CABLE SUSPENDED WHERE NOTED	51 W	7000 LUMEN

NOT TO BE EDITED OR REARRANGED

LIGHT FIXTURE ACCESSORY APPEND

APPENDED TO FIXTURE TYPE: 1100 LUMEN EM BATTERY SUPPLY	AS SPECIFIED	PER FIXTURE TYPE
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NOT FOR CONSTRUCTION

MARK:	DATE:	DESCRIPTION:

PROJECT #: 821239
 DRAWN BY: DJP
 CHECKED BY: SDS
 ISSUED: 03.8.2022