

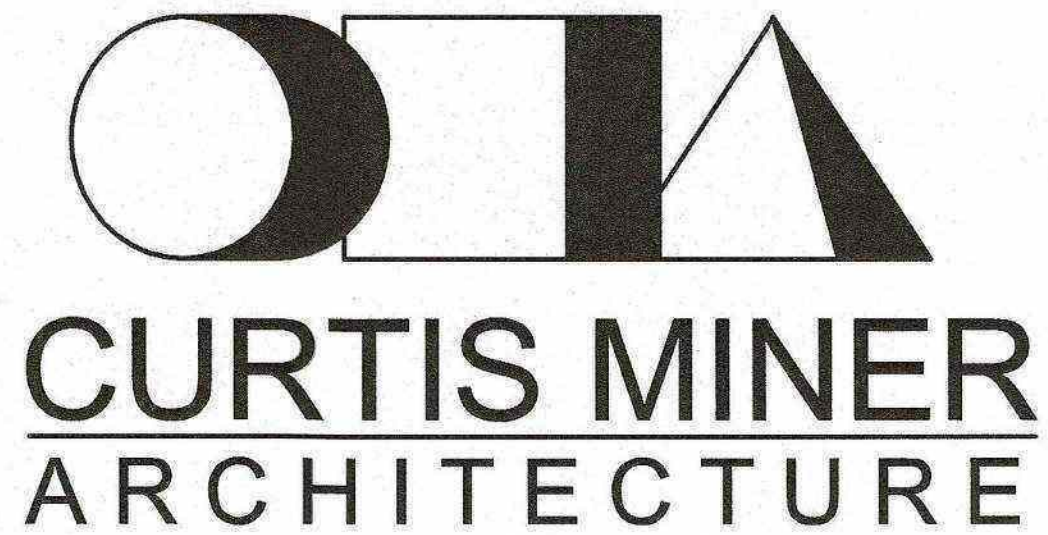
\\CMA-DATA\01\CMA Jobs\CMA Jobs\2018\060 DFCM Aneth UT Bus Building\11 Rev\18-060 DFCM Aneth UT Shop & Warehouse_CENTRAL - 2020-3-27.rvt
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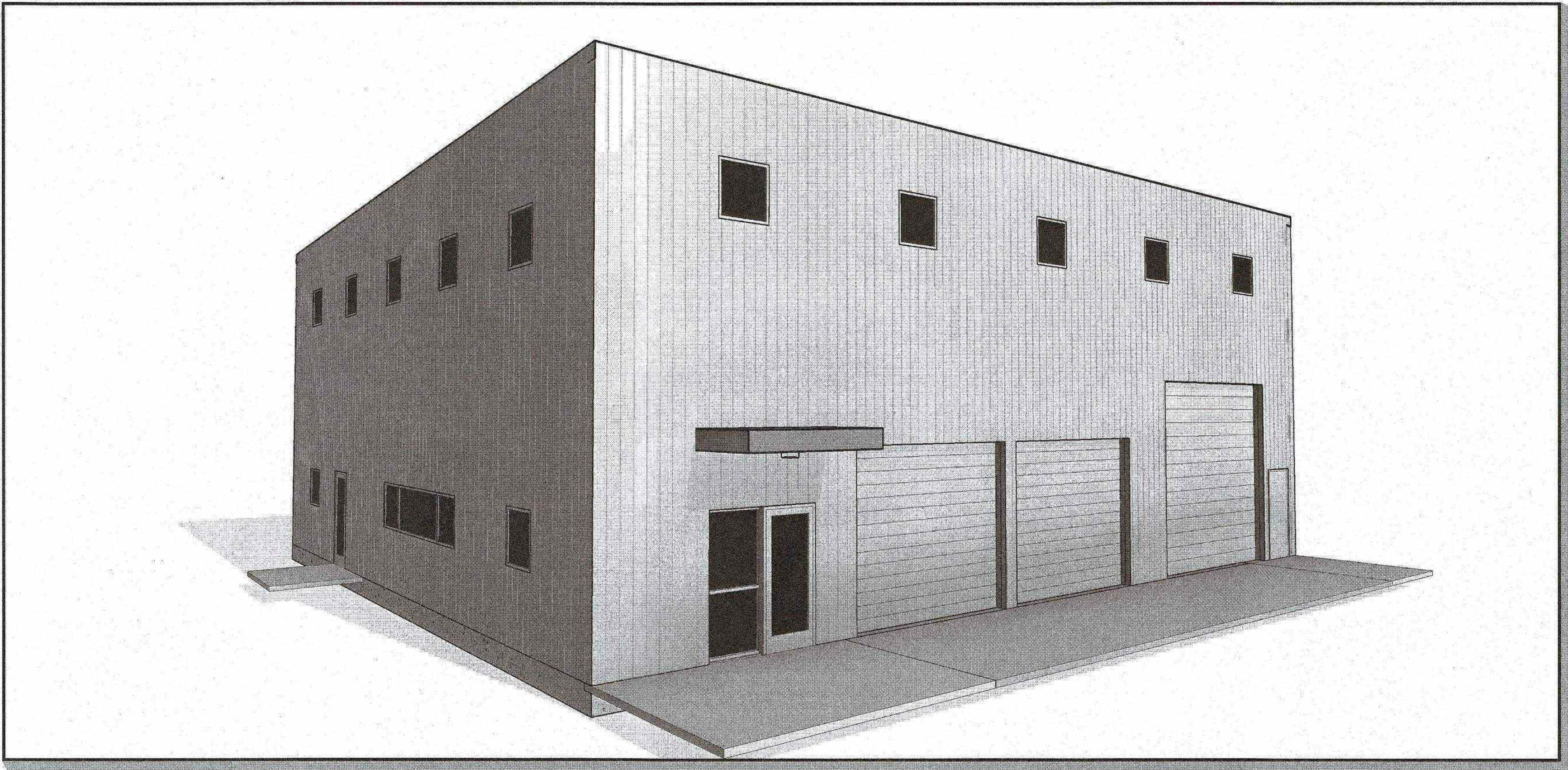
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ANETH BUS BUILDING

10 FAIRWAY LOOP
ANETH, UTAH 84510

28 APRIL, 2020
100% CONFORMANCE SET



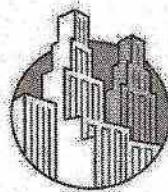
ENGINEERING
CONSULTANTS

CIVIL



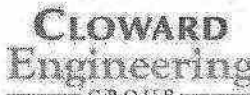
HJOHANSEN & TUTTLE ENGINEERING, INC.
P.O. BOX 487
CASTLE DALE, UT 84513
PHONE: 435.381.2523

STRUCTURAL



DYNAMIC STRUCTURES
1887 NORTH 1120 WEST
PROVO, UT 84604
PHONE: 801.356.1140

ELECTRICAL



KYLE BREINHOLT, P.E.
2696 N. UNIVERSITY AVE. STE. 290,
PROVO, UT 84604
1.801.373.0311

MECHANICAL & PLUMBING



WHW ENGINEERING, INC.
8619 SOUTH SANDY PARKWAY
SANDY, UT 84070
1.801.466.4021

MARK	REVISION	DATE

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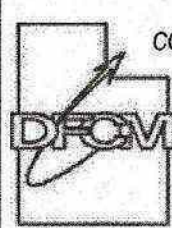
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ANETH CHAPTER,
NAVAJO NATION
ANETH, UTAH



DIVISION OF FACILITIES
CONSTRUCTION & MANAGEMENT
4110 STATE OFFICE BUILDING
SALT LAKE CITY, UTAH 84114
PHONE: (801) 538-3018
FAX: (801) 538-3267

PROJECT NO: 19337310



233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
cma@cmautah.com

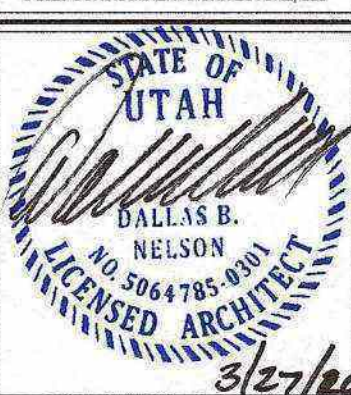
DATE: 12 JANUARY, 2020
PROJECT #: CMA 18-060
PROJ. MAN.: DBN
CHECKED BY: DBN

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PROJECT:
ANETH BUS BUILDING

10 FAIRWAY LOOP
ANETH, UTAH 84510

SHEET DESCRIPTION:
COVER SHEET



SHEET:
G000

NOTES

SUBMITTALS SHALL BE SUPPLIED TO THE BUILDING OFFICIAL FOR REVIEW WITH AN ACCOMPANIED LETTER FROM THE ARCHITECT STATING THAT DRAWINGS ARE IN CONFORMANCE WITH HIS DESIGN.

SUBMITTALS FOR FIRE ALARMS AND SUPPRESSION SHALL BE SUBMITTED TO THE STATE FIRE MARSHAL FOR THEIR APPROVAL.

WORK RELATED TO THE DEFERRED SUBMITTALS IS NOT TO COMMENCE UNTIL THE THE BUILDING OFFICIAL HAS APPROVED THE SUBMITTAL.

COMcheck Software Version 4.1.1.0
Envelope Compliance Certificate

Project Information

Energy Code: 2018 IECC
Project Title: Blanding, Utah
Location: 5b
Project Type: New Construction
Vertical Glazing / Wall Area: 5%

Construction Site: Owner/Agent: Designer/Contractor:

Additional Efficiency Package(s)
Reduced Air Infiltration

Building Area	Floor Area
1-Warehouse : Nonresidential	5898

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor _{iso}
Floor 1: Slab-On-Grade/Unheated, [Bldg. Use 1 - Warehouse] (c)	244	---	---	0.730	0.540
Roof 1: Insulation Entirely Above Deck, [Bldg. Use 1 - Warehouse]	3715	---	40.0	0.025	0.032
NORTH					
Exterior Wall 1: Metal Building Wall, Single Layer Mineral Fiber (in cavity, thermal block at girt), [Bldg. Use 1 - Warehouse]	1794	30.0	0.0	0.052	0.052
Window 1: Metal Frame with Thermal Break/Fixed, Perf. Specs.: Product ID PPG SOLARBAN 60XL, SHGC 0.28, [Bldg. Use 1 - Warehouse] (b)	68	---	---	0.280	0.380
Entrance Glass Door: Glass (> 50% glazing)/Metal Frame, Entrance Door, Perf. Specs.: Product ID PPG SOLARBAN 60XL, SHGC 0.28, [Bldg. Use 1 - Warehouse] (b)	24	---	---	0.280	0.770
Man Door: Insulated Metal, Swinging, [Bldg. Use 1 - Warehouse]	24	---	---	0.350	0.370
Garage Doors: Insulated Metal, Garage door 14% glazing, [Bldg. Use 1 - Warehouse]	438	---	---	0.350	0.510
EAST					
Exterior Wall 2: Metal Building Wall, Single Layer Mineral Fiber (in cavity, thermal block at girt), [Bldg. Use 1 - Warehouse]	1564	30.0	0.0	0.052	0.052
Window 2: Metal Frame with Thermal Break/Fixed, Perf. Specs.: Product ID PPG SOLARBAN 60XL, SHGC 0.28, [Bldg. Use 1 - Warehouse] (b)	104	---	---	0.280	0.380
Glass Door: Glass (> 50% glazing)/Metal Frame, Entrance Door, Perf. Specs.: Product ID PPG SOLARBAN 60XL, SHGC 0.28, [Bldg. Use 1 - Warehouse] (b)	24	---	---	0.280	0.770
SOUTH					
Exterior Wall 3: Metal Building Wall, Single Layer Mineral Fiber (in cavity, thermal block at girt), [Bldg. Use 1 - Warehouse]	1658	30.0	0.0	0.052	0.052

Project Title: \CMA-DATA\01\CMA_Jobs\CMA_Jobs\2018\18-060 DFCM Aneth UT Bus Building\12 Construction Page 1 of 10
Data filename: \\CMA-DATA\01\CMA_Jobs\CMA_Jobs\2018\18-060 DFCM Aneth UT Bus Building\12 Construction Documents\ComCheck\DFCM Aneth Bus Warehouse Comcheck.cck

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor _{iso}
Window 3: Metal Frame with Thermal Break/Fixed, Perf. Specs.: Product ID PPG SOLARBAN 60XL, SHGC 0.28, [Bldg. Use 1 - Warehouse] (b)	18	---	---	0.280	0.380
Metal Man Door: Insulated Metal, Swinging, [Bldg. Use 1 - Warehouse]	24	---	---	0.350	0.370
Glass Door: Glass (> 50% glazing)/Metal Frame, Entrance Door, Perf. Specs.: Product ID PPG SOLARBAN 60XL, SHGC 0.28, [Bldg. Use 1 - Warehouse] (b)	24	---	---	0.280	0.770
WEST					
Exterior Wall 4: Metal Building Wall, Single Layer Mineral Fiber (in cavity, thermal block at girt), [Bldg. Use 1 - Warehouse]	1564	30.0	0.0	0.052	0.052
Window 4: Metal Frame with Thermal Break/Fixed, Perf. Specs.: Product ID PPG SOLARBAN 60XL, SHGC 0.28, [Bldg. Use 1 - Warehouse] (b)	45	---	---	0.280	0.380

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
(b) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.
(c) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.

Envelope PASSES: Design 3% better than code

Envelope Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.1.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Dallas Nelson, Architect
Name: Title Signature Date 2020-3-27

Project Title: \CMA-DATA\01\CMA_Jobs\CMA_Jobs\2018\18-060 DFCM Aneth UT Bus Building\12 Construction Page 2 of 10
Data filename: \\CMA-DATA\01\CMA_Jobs\CMA_Jobs\2018\18-060 DFCM Aneth UT Bus Building\12 Construction Documents\ComCheck\DFCM Aneth Bus Warehouse Comcheck.cck

CODE ANALYSIS

APPLICABLE CODES			
	Year		Year
International Building Code	2018	National Electrical Code	2017
International Mechanical Code	2018	Uniform Code for Building Conservation	2017
International Fuel Gas Code	2018	ADA Accessibility Guidelines	2009
International Plumbing Code	2018		
International Fire Code	2018		
International Energy Conservation Code	2018		

A. Occupancy and Group: B, Civic Administration S-1, Motor Vehicle Repair

Change in Use: Yes No X Mixed Occupancy: Yes X No
Special Use and Occupancy (e.g. High Rise, Covered Mall): none

B. Seismic Design Category: B Design Wind Speed: 115 mph

C. Type of Construction (circle one):
I I II II III III IV V V
A B A B A B HT A B

D. Fire Resistance Rating Requirements for the Exterior Walls based on the fire separation distance (In hours):
North: 0 hr South: 0 hr East: 0 hr West: 0 hr

E. Mixed Occupancies: yes Nonseparated Uses: yes

F. Sprinklers:
Required: no Provided: no
Type of Sprinkler System (IBC 903.3.1) n/a

G. Number of Stories: 2 Building Height: 28'

H. Actual Area per Floor (square feet): 1st: 3,506 2nd: 2,392

I. Tabular Area: (table 503; table 506.2) VB, B/Business, NS = 9,000 s.f.
VB, S-1/Storage, NS = 9,000 s.f.

J. Area Modifications:
$$a) A_a = \left\{ A_1 + \left[A_1 \times I_1 \right] + \left[A_1 \times I_2 \right] \right\} \quad I_1 = \left[F/P - 0.25 \right] W / 30$$

not used, building is below allowable areas per table 506.2

b) Sum of the Ratio Calculations for Mixed Occupancies:
$$\frac{\text{Actual Area}}{\text{Allowable Area}} \leq 1 \quad \frac{1,508 \text{ s.f.}}{9,000 \text{ s.f.}} + \frac{1,999 \text{ s.f.}}{9,000 \text{ s.f.}} = \frac{3,507 \text{ s.f.}}{18,000 \text{ s.f.}} = .19 \leq 1$$

c) Total Allowable Area for:
1) One Story: 9,000 s.f.
2) Two Story: A₂ (2) 9,000 s.f.
3) Three Story: A₃ (3) _____
d) Unlimited Area Building: Yes No X Code Section: _____

K. Fire Resistance Rating Requirements for Building Elements (hours).

Element	Hours	Assembly Listing	Element	Hours	Assembly Listing
Exterior Bearing Walls	0		Floors - Ceiling Floors	0	
Interior Bearing Walls	0		Roofs - Ceiling Roofs	0	
Exterior Non-Bearing Walls	0		Exterior Doors and Windows	0	
Structural Frame	0		Shaft Enclosures	1	
Partitions - Permanent	0		Fire Walls	N/A	
Fire Barriers	N/A		Fire Partitions	N/A	
			Smoke Partitions	N/A	

L. Design Occupant Load: 36
Exit Width Required: 6.2 Exit Width Provided: 180"

M. Minimum Number of Required Plumbing Facilities:
a) Water Closets - Required (m) 1 (f) 1 Provided (m) 1 (f) 2
b) Urinals - Required (m) 0 (f) 0 Provided (m) 1 (f) _____
c) Lavatories - Required (m) 1 (f) 1 Provided (m) 2 (f) 2
d) Bath Tubs or Showers: 2
e) Drinking Fountains: 2 Service Sinks: 1

FOOTNOTES:

- In case of conflict with the U.S. Department of Justice Federal Registers Parts I through V - ADA Guidelines and specific reference to the International Building Code Accessibility Chapters, the more restrictive requirement shall govern.
- Additional Code Information shall be provided at the discretion of the Building Official for Complex Buildings. Including, but not limited to:
 - High Rise Requirements.
 - Atriums.
 - Performance Based Criteria.
 - Means or Egress Analysis.
 - Fire Assembly Locator Sheet.
 - Exterior and Interior Accessibility Route.
 - Fire Stopping, Including Tested Design Number.

BIDDING INFORMATION

THESE DOCUMENTS ARE INTENDED TO BE USED FOR COMPETITIVE BIDDING BY MULTIPLE GENERAL CONTRACTORS.

THE ARCHITECT WILL CLARIFY INFORMATION WITHIN THESE DOCUMENTS DURING BIDDING TO THE GENERAL CONTRACTOR ONLY. REQUESTS FOR CLARIFICATION SHALL BE DIRECTED TO CURTIS MINER ARCHITECTURE BY THE GENERAL CONTRACTOR. CALLS FROM SUBCONTRACTORS WILL BE REFERRED TO THE GENERAL CONTRACTOR.

DEFERRED SUBMITTALS

DEFERRED SUBMITTALS ARE TO BE MADE IN COMPLIANCE WITH SECTION 107.3.4.1 OF THE 2018 INTERNATIONAL BUILDING CODE. DEFERRED SUBMITTAL DOCUMENTS SHALL RESUBMITTED TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE WHO SHALL REVIEW THEM AND FORWARD THEM TO THE BUILDING OFFICIAL HAVING JURISDICTION WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND THAT THEY HAVE BEEN FOUND TO BE IN GENERAL COMPLIANCE WITH THE DESIGN OF THE PROJECT. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THEIR DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND APPROVED. THE DEFERRED SUBMITTAL SHALL BE SUBMITTED TO THE BUILDING OFFICIAL HAVING JURISDICTION PRIOR TO INSPECTIONS. THE WORK RELATED TO THE DEFERRED SUBMITTALS IS NOT TO COMMENCE UNTIL THE BUILDING OFFICIAL HAS APPROVED THE SUBMITTAL. THE FOLLOWING CONSTRUCTION DOCUMENTS SHALL BE SUBMITTED AS A DEFERRED SUBMITTAL.

DEFERRED SUBMITTALS ANTICIPATED SCHEDULE
1. PRE-ENGINEERED METAL BUILDING - JUNE 2020
2. WINDOW NFRC INFORMATION - JULY 2020

SPECIAL INSPECTIONS

SPECIAL INSPECTIONS SHALL BE PROVIDED BY THE OWNER IN ACCORDANCE WITH 2018 INTERNATIONAL BUILDING CODE CHAPTER 17.

THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.

THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.

THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE OWNER, THE BUILDING OFFICIAL, THE ARCHITECT OF RECORD, THE ENGINEER OF RECORD, AND TO THE CONTRACTOR. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. THEN, IF UNCORRECTED, TO THE PROPER DESIGN AUTHORITY AND TO THE BUILDING OFFICIAL PRIOR TO THE COMPLETION OF THAT PHASE OF THE WORK.

THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT DOCUMENTING THAT THE SPECIAL INSPECTION WORK WAS, TO THE BEST OF HIS KNOWLEDGE, IN CONFORMANCE TO THE APPROVED PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE 2018 INTERNATIONAL BUILDING CODE.

SPECIAL INSPECTION IS REQUIRED FOR THE FOLLOWING WORK: ENGINEERED FILL; CONCRETE; REINFORCING FOR POURED-IN-PLACE CONCRETE ABOVE GRADE; BOLTED CONNECTIONS; FIELD WELDING OF STRUCTURAL ROOF DIAPHRAGMS; ALL OTHER FIELD WELDING; ULTRASONIC OR MAGNETIC TESTING OF ALL STRUCTURAL MOMENT FRAME WELDS; SUSPENDED CEILING SYSTEMS AND THEIR ANCHORAGE.

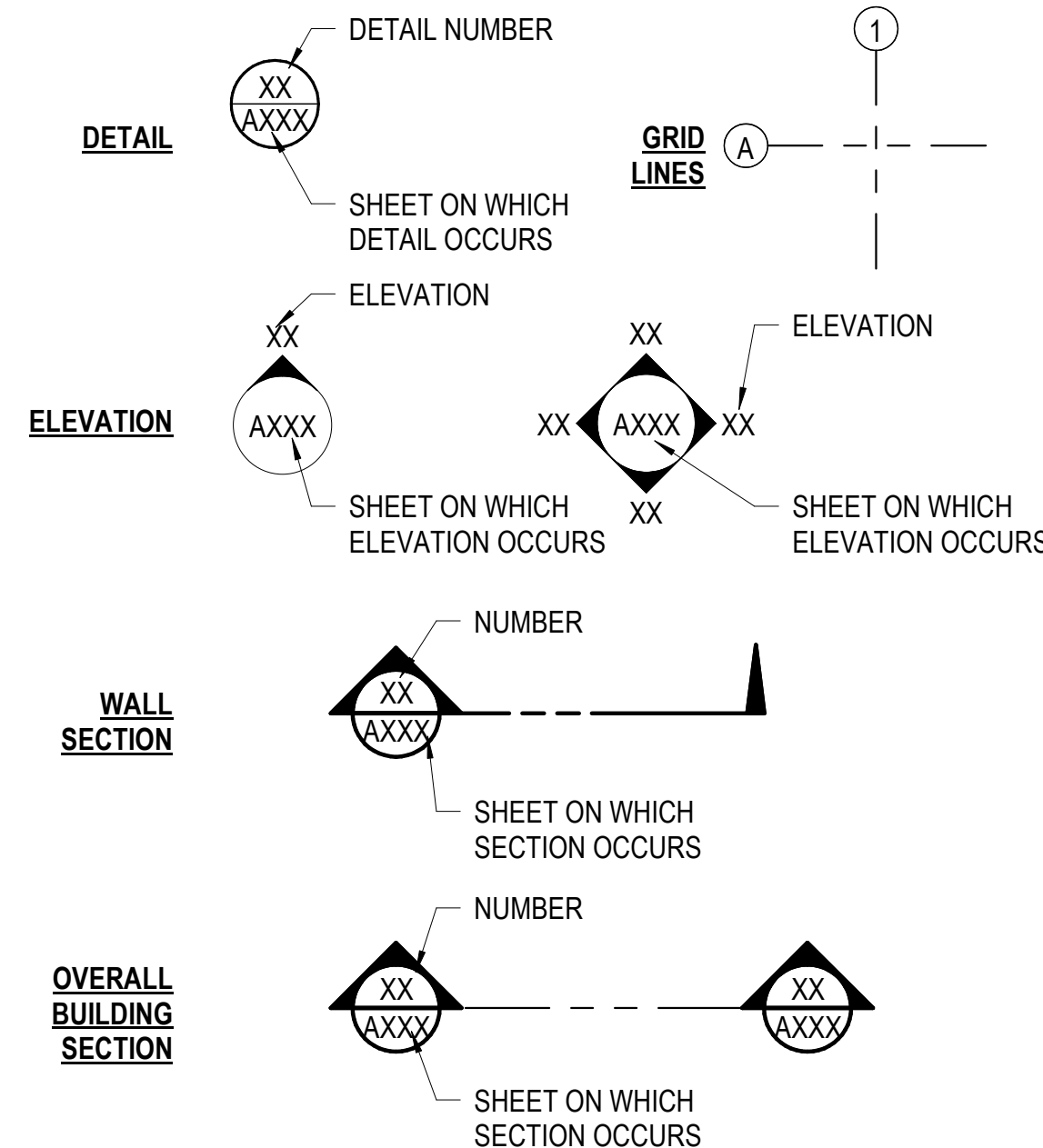
DIMENSION NOTES

- ALL PLAN DIMENSIONS, UNLESS OTHERWISE NOTED, ARE TO:
 - COLUMN GRID ON CENTERLINES.
 - THE OUTER FACE OF CONCRETE OR MASONRY.
 - THE FINISHED FACE OF WALL.
- DOOR LOCATIONS NOT DIMENSIONED ARE:
 - JAMB FACE 4" FROM FACE OF STUD.
 - CENTERLINE OF DOOR ON CENTERLINE OF DOOR OR CORRIDOR.
- NOTED DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE DIMENSIONS; DETAILS OVER SMALLER SCALE DRAWINGS.
- "FLOOR LINE" REFERS TO TOP OF CONCRETE SLABS. FOR DEPRESSED FLOORS AND CURBS, SEE STRUCTURAL DRAWINGS.
- VERIFY ALL ROUGH-IN, CONCRETE PAD, OR PLATFORM DIMENSIONS FOR EQUIPMENT PROVIDED IN THIS PROJECT, OR BY OTHERS.
- FINISHED FLOOR ELEVATIONS ARE TO TOP OF CONCRETE OR GYPCRETE, UNLESS NOTED OTHERWISE.
- CEILING HEIGHT DIMENSIONS ARE TO FINISHED SURFACES, UNLESS NOTED OTHERWISE.

MATERIALS LEGEND

	EARTH		CONTINUOUS WOOD MEMBER
	GRAVEL		METAL
	CONCRETE		WOOD STUD WALLS
	RIGID INSULATION		CONTINUOUS METAL STUD
	CONCRETE MASONRY UNIT		BATT INSULATION
	STEEL DECK		FINISHED WOOD MEMBER
	WOOD BLOCKING		GLASS

SYMBOL LEGEND



SYMBOL LEGEND

CEILING TAG		SHEET NOTE	
DOOR		WORK POINT OR ELEV. BENCH MARK	
WINDOW		ADA CLEAR DISTANCE	
WALL TYPES		ADA CLEAR DISTANCE	
GLAZING		MATCHLINE	

△	MARK	REVISION	DATE

ANETH CHAPTER,
NAVAJO NATION
ANETH, UTAH

DIVISION OF FACILITIES
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4110 STATE OFFICE BUILDING
SALT LAKE CITY, UTAH 84114
PHONE: (801) 538-3018
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PROJECT NO: 19337310

233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
cma@cmautah.com

DATE: 12 JANUARY, 2020
PROJECT #: CMA 18-060
PROJ. MAN.: DBN
CHECKED BY: DBN

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PROJECT:
ANETH BUS BUILDING

10 FAIRWAY LOOP
ANETH, UTAH 84510

SHEET DESCRIPTION:
CODE COMP. DRAWING INFO.

G001

1

2

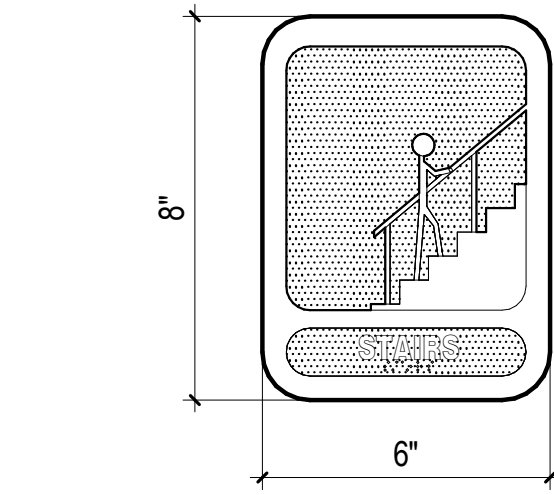
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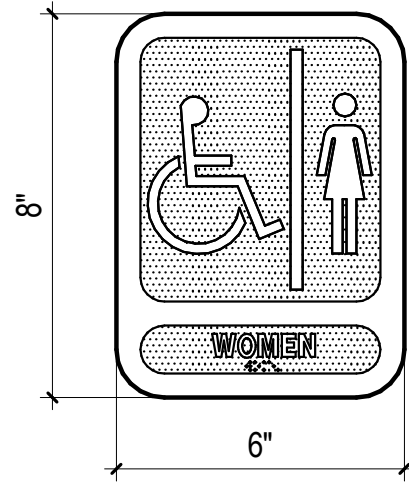
△	MARK	REVISION	DATE

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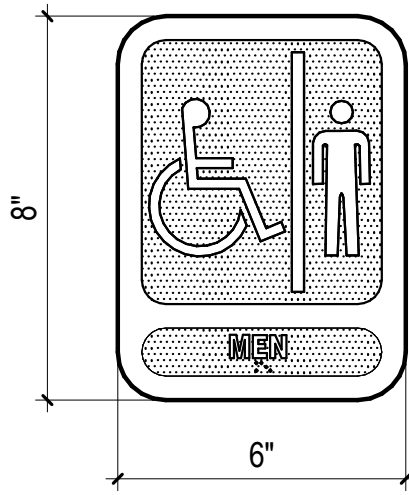
NOTE: ADA COMPLIANT SIGN WITH RADIUS CORNER AND RADIUS BORDER. RAISED COPY AND BRAILLE. MELAMINE PLASTIC WITH BACKGROUND COLOR TO BE SELECTED BY ARCHITECT.

A1 ADA STAIRWAY SIGN
G002 | SCALE: 3" = 1'-0"



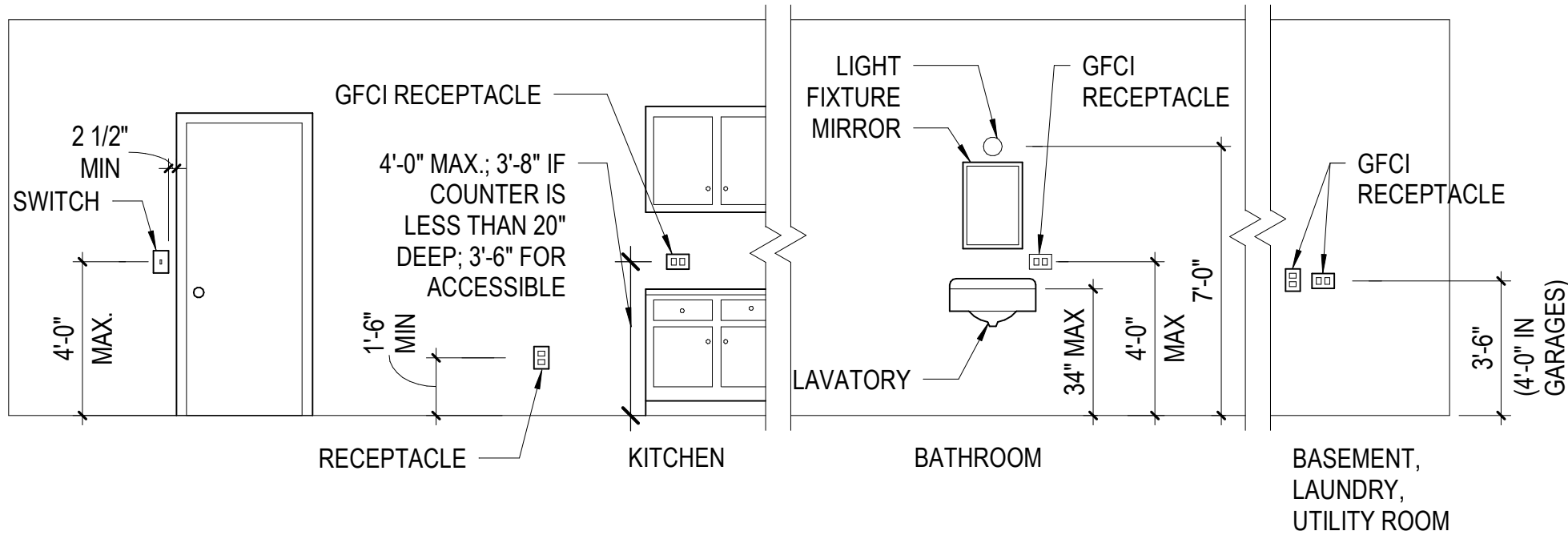
NOTE: ADA COMPLIANT SIGN WITH RADIUS CORNER AND RADIUS BORDER. RAISED COPY AND BRAILLE. MELAMINE PLASTIC WITH BACKGROUND COLOR TO BE SELECTED BY ARCHITECT.

A2 ADA WOMEN SIGN
G002 | SCALE: 3" = 1'-0"



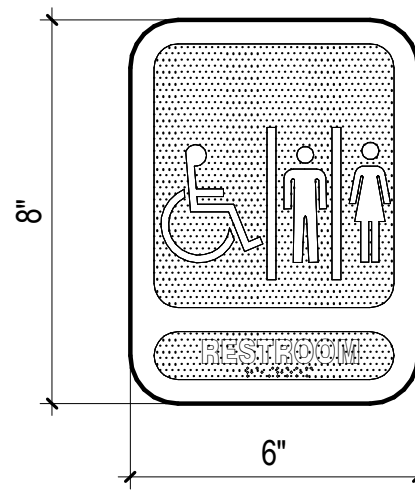
NOTE: ADA COMPLIANT SIGN WITH RADIUS CORNER AND RADIUS BORDER. RAISED COPY AND BRAILLE. MELAMINE PLASTIC WITH BACKGROUND COLOR TO BE SELECTED BY ARCHITECT.

A3 ADA MEN SIGN
G002 | SCALE: 3" = 1'-0"



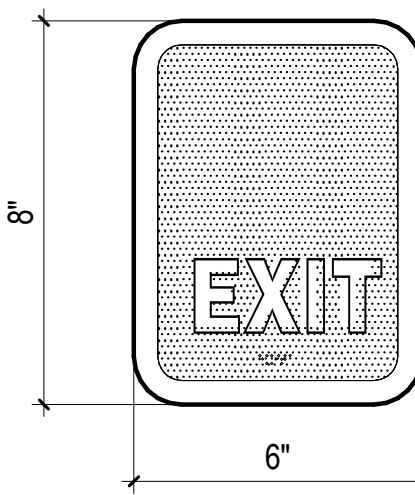
A4 TYPICAL ACCESSORY HEIGHTS
G002 | SCALE: 1/4" = 1'-0"

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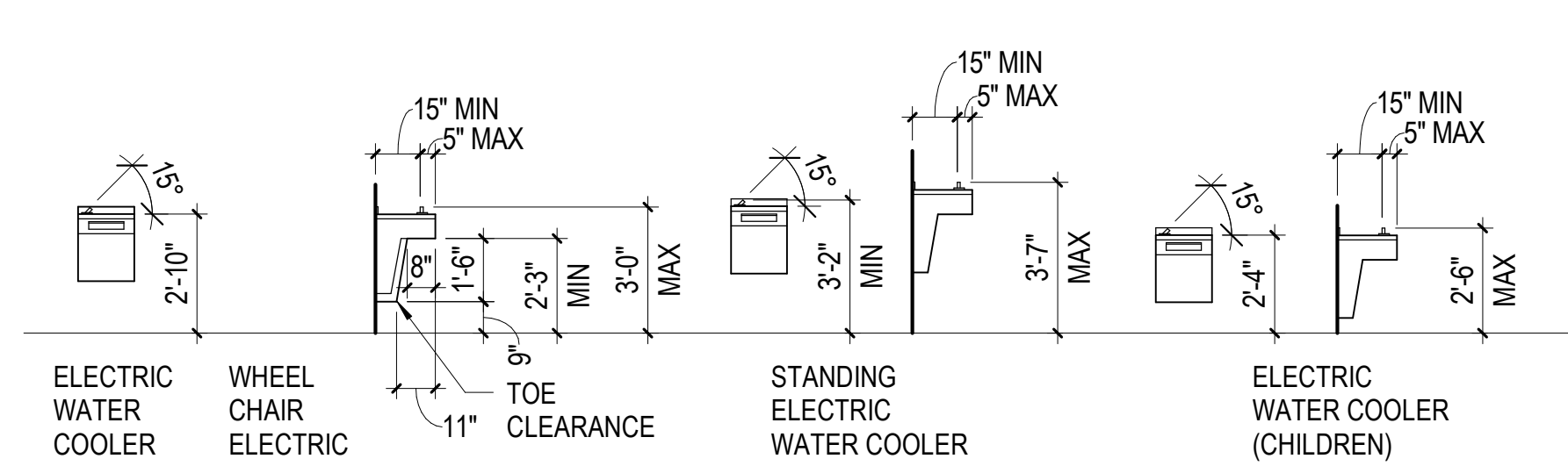
NOTE: ADA COMPLIANT SIGN WITH RADIUS CORNER AND RADIUS BORDER. RAISED COPY AND BRAILLE. MELAMINE PLASTIC WITH BACKGROUND COLOR TO BE SELECTED BY ARCHITECT.

B1 ADA RESTROOM SIGN
G002 | SCALE: 3" = 1'-0"



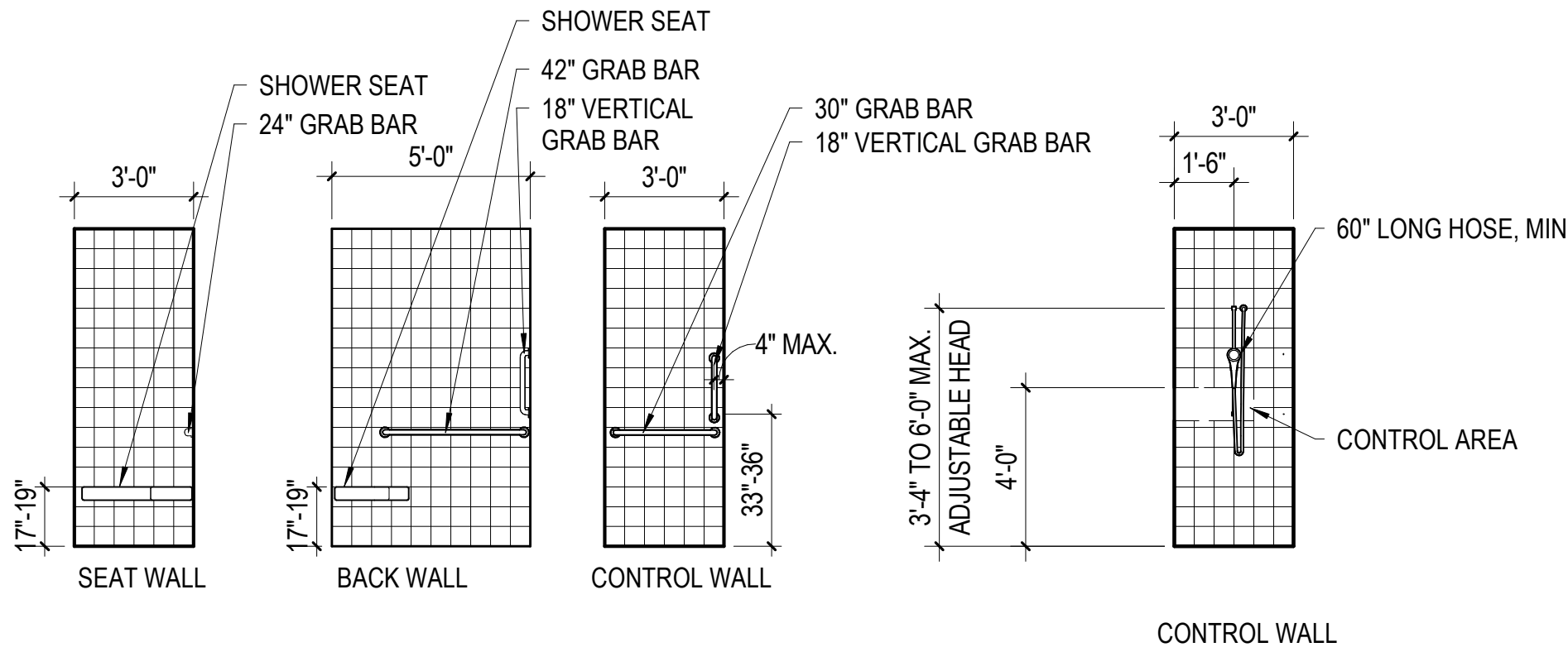
NOTE: ADA COMPLIANT SIGN WITH RADIUS CORNER AND RADIUS BORDER. RAISED COPY AND BRAILLE. MELAMINE PLASTIC WITH BACKGROUND COLOR TO BE SELECTED BY ARCHITECT.

B2 ADA EXIT SIGN
G002 | SCALE: 3" = 1'-0"

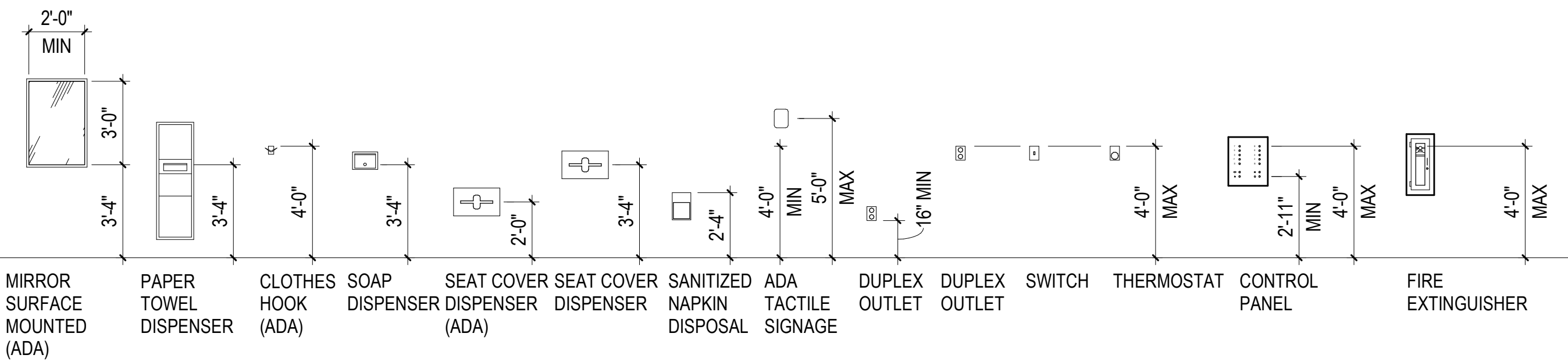


B4 TYPICAL ACCESSORY HEIGHTS
G002 | SCALE: 1/4" = 1'-0"

C

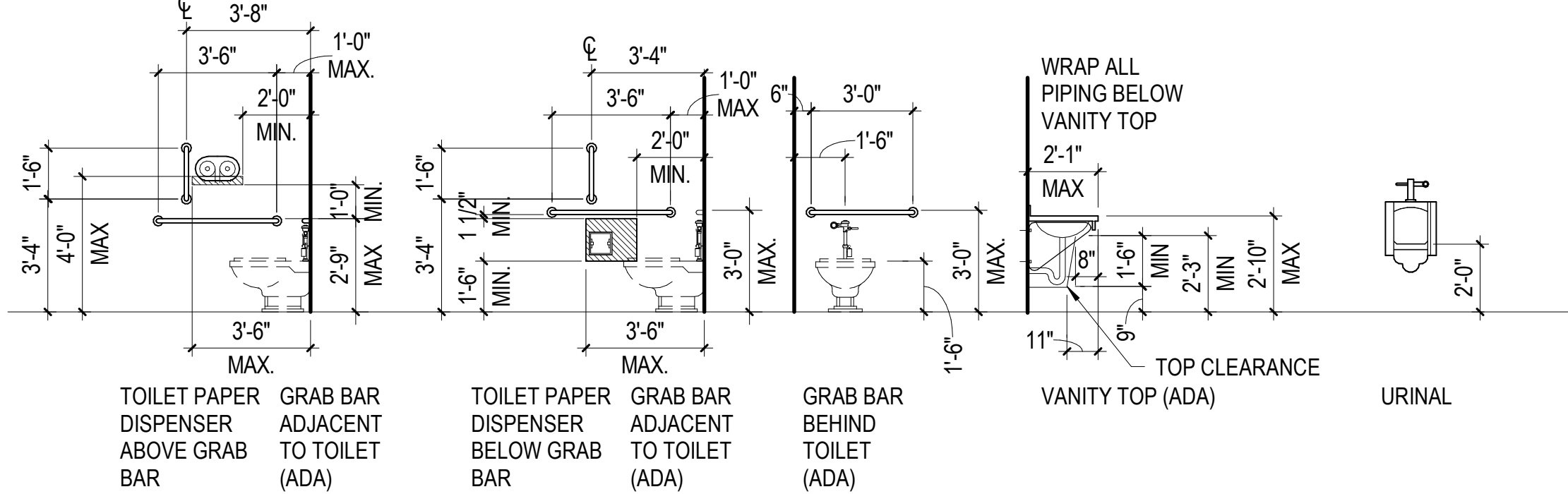


C2 TYPICAL SHOWER ACCESSORY HEIGHTS
G002 | SCALE: 1/4" = 1'-0"



D1 TYPICAL ACCESSORY HEIGHTS
G002 | SCALE: 1/4" = 1'-0"

C4 TYPICAL BLOCKING DETAILS
G002 | SCALE: 1/4" = 1'-0"



D4 TYPICAL ACCESSORY HEIGHTS
G002 | SCALE: 1/4" = 1'-0"

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PHONE: (801) 538-3018
FAX: (801) 538-3267

PROJECT NO: 19337310

DATE: 12 JANUARY, 2020
PROJECT #: CMA 18-060
PROJ. MAN.: DBN
CHECKED BY: DBN

233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
cma@cmautah.com

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DALLAS B. NELSON
#064785-0001
LICENSED ARCHITECT
3/2/20

PROJECT:
ANETH BUS BUILDING

10 FAIRWAY LOOP
ANETH, UTAH 84510

SHEET DESCRIPTION:
ACCESSIBILITY COMPLIANCE

G002

\\CMA-DAT\A1\01\CMA_Jobs\2018\18-060 DFCM Aneth UT Bus Building\11 Revit\18-060 DFCM Aneth UT Shop & Warehouse_CENTRAL - 2020-3-27.rvt
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4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538-3018
Website: <http://dfcm.utah.gov/>

Special Inspection, Material Testing & Structural Observation
Items Required by Chapter 17 of the 2018 IBC

Indicate items requiring special inspection, structural testing, or structural observations by checking the appropriate box. All items not requiring inspection/testing should be removed from the form. For items requiring continuous inspection, a special inspector must be present onsite during the performance of that task. In most cases "periodic" inspections/tests shall be performed prior to commencing the task, intermittently during the task, and at the completion of the task. The "Detailed Instructions & Frequency" provides a description of the presumed requirements for tasks requiring "periodic" inspections. The design professional in responsible charge should revise the requirements as needed on a project-specific basis.

CONCRETE CONSTRUCTION (IBC 1705.3 & 1705.12.1)

Item	Detailed Instructions and Frequencies	
Reinforcing steel, including prestressing tendons	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic
Post-installed anchors or dowels	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic
Use of required mix design	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic
Concrete sampling for strength tests, slump, air content, and temperature	<input checked="" type="checkbox"/> Continuous	<input type="checkbox"/> Periodic
Curing temperature and techniques	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic



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SOILS CONSTRUCTION (IBC 1705.6)

Item	Detailed Instructions and Frequencies	
Verify subgrade is adequate to achieve design bearing capacity	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic
Verify excavations extend to proper depth and material	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic
Verify that subgrade has been appropriately prepared prior to placing compacted fill	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic
Perform classification and testing of compacted fill materials	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic
Verify proper materials, densities and lift thicknesses during placement and compaction.	<input checked="" type="checkbox"/> Continuous	<input type="checkbox"/> Periodic

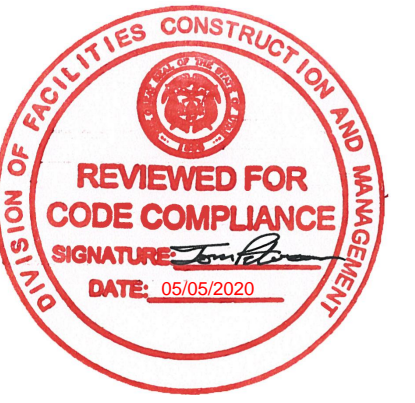



△	MARK	REVISION	DATE

NONSTRUCTURAL COMPONENT CHECKLIST

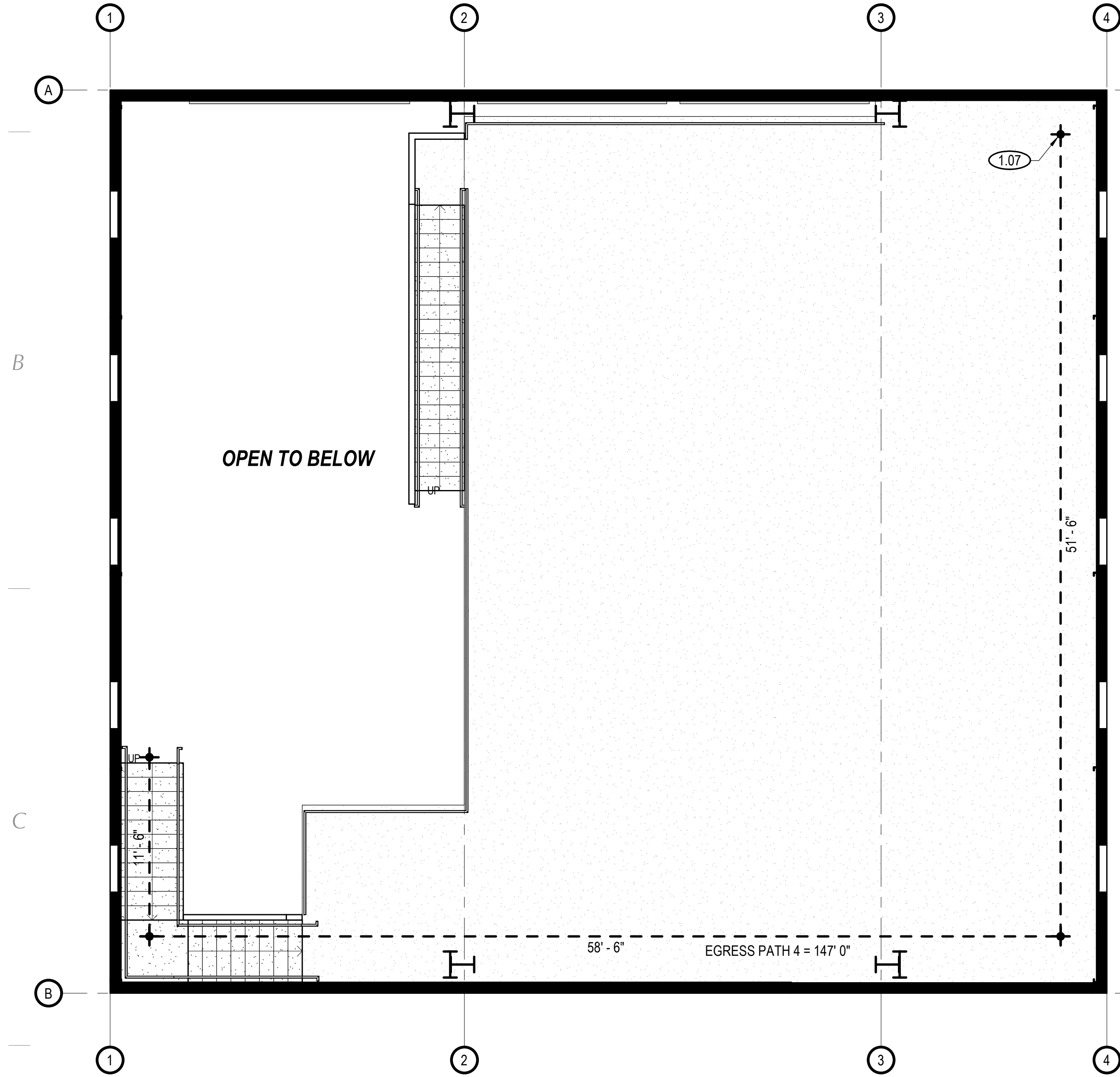
ITEM DESCRIPTION	NOT REQUIRED	ON CONST. DOCUMENTS	DEFERRED SUBMITTAL	COMMENTS
Architectural Components:				
Interior Nonstructural Walls & Partitions	x			Seismic Design Category "B" - ASCE 7 13.1.4
Canilever Elements (i.e. parapets, etc.)	x			Seismic Design Category "B" - ASCE 7 13.1.4
Exterior Nonstructural Wall Elements	x			Seismic Design Category "B" - ASCE 7 13.1.4
Stairs				Seismic Design Category "B" - ASCE 7 13.1.4
Penetrations				None designed
Ceilings (i.e. suspended grid or hard-fid)	x			Seismic Design Category "B" - ASCE 7 13.1.4
Cabinets (i.e. storage cabinets, equip. etc.)	x			Seismic Design Category "B" - ASCE 7 13.1.4
Access Floors	x			None designed
Storage Racks	x			None designed
Appendages & Ornamentations	x			none designed
Signs & Billboards	x			none designed
Other:				
Other:				
MEP Components:				
Fire Sprinklers	x			None designed
Mechanical Equipment (i.e. HVAC, fans, air handlers, boilers, furnaces, tanks, chillers, water heaters, heat exchangers, evaporators, engines, turbines, pumps, compressors, MEP equipment, etc.)	x			Seismic Design Category "B" - ASCE 7 13.1.4
Electrical Equipment (i.e. generators, batteries, inverters, transformers, MCC, panel boards, switch gear, cabinets, etc.)	x			Seismic Design Category "B" - ASCE 7 13.1.4
Elevator & Escalator Components	x			None designed
Communication Equipment, Computers, Instrumentation, and Controls	x			Seismic Design Category "B" - ASCE 7 13.1.4
Roof-mounted Chimneys, Stacks, Cooling & Electrical Towers	x			None designed
Lighting Fixtures	x			Seismic Design Category "B" - ASCE 7 13.1.4
Vibrations Isolated Components	x			Seismic Design Category "B" - ASCE 7 13.1.4
Piping & Conduit Systems	x			Seismic Design Category "B" - ASCE 7 13.1.4
Pneumatics (including in-line components)	x			Seismic Design Category "B" - ASCE 7 13.1.4
Conveyors	x			None designed
Cable Trays	x			None designed
Other:				
Other:				

NOTES:

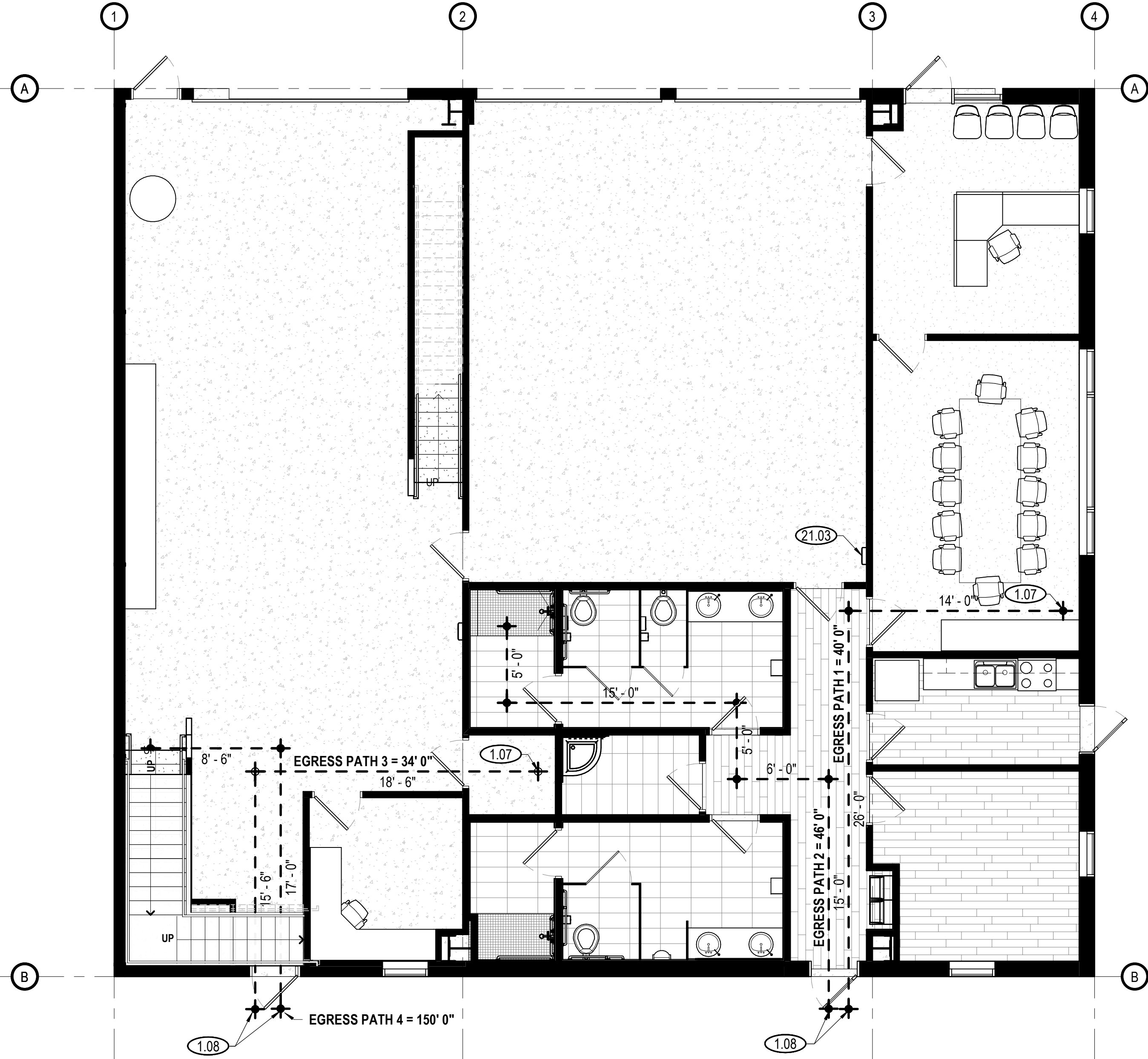
- Deferred submittals for seismic restraint of nonstructural components must be submitted to the DFCM Building Official a minimum of two weeks prior to the planned installation in order to allow for plan review and forwarding to inspectors. In the event that the submittal is deficient additional time may become necessary.
- When seismic restraint of non-structural components is installed prior to receiving DFCM approval it shall not be covered or concealed until receiving both plan review and inspection approval. Further, installers are proceeding at their own risk until plan review and inspection approval occurs.
- The requirements for seismic restraint of nonstructural components cannot be satisfied by a general reference to Design Manuals. The design professional may utilize these manuals as a basis of their design, but must provide all supporting documentation to ensure that the design conforms to the requirements of ASCE 7-05, Chapter 13.
- Submittals must include details of the proposed seismic restraint of nonstructural components. These details must show specific information relating to the materials, type, size, and locations of anchorages; materials used for bracing; attachment requirements of bracing to structure and component; and locations of transverse and longitudinal way bracing and rod stiffeners. Submittals may also require structural calculations, engineering reports, test data, and/or specifications to ensure code compliance.

ANETH CHAPTER, NAVAJO NATION ANETH, UTAH			
 <div>DIVISION OF FACILITIES CONSTRUCTION & MANAGEMENT 4110 STATE OFFICE BUILDING SALT LAKE CITY, UTAH 84114 PHONE: (801) 538-3018 FAX: (801) 538-3267</div>		PROJECT NO: 19337310	
 <div>233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com</div>		DATE: 12 JANUARY, 2020 PROJECT #: CMA 18-060 PROJ. MAN.: DBN CHECKED BY: DBN	
PROJECT: ANETH BUS BUILDING 10 FAIRWAY LOOP ANETH, UTAH 84510			
SHEET DESCRIPTION: SPECIAL REQUIREMENTS		SHEET: G003	

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D1 LEVEL 2 LIFE SAFETY PLAN
G101 | SCALE: 3/16" = 1'-0"



D3 LEVEL 1 LIFE SAFETY PLAN
G101 | SCALE: 3/16" = 1'-0"

△	MARK	REVISION	DATE

SHEET NOTES

- 1.07 START OF PATH OF EGRESS.
1.08 END OF PATH OF EGRESS.
21.03 SEMI-RECESSED FIRE EXTINGUISHER CABINET WITH 2A10BC FIRE EXTINGUISHER INSIDE. SEE DETAIL D1/A702.

TRAVEL PATHS

PATH	EGRESS PATH LENGTH
EGRESS PATH 1	40'-0"
EGRESS PATH 2	46'-0"
EGRESS PATH 3	34'-0"
EGRESS PATH 4	147'-0"

GENERAL NOTES

- A. SEE SHEET G001 FOR ALL RELATED CODE COMPLIANCE INFORMATION.

ANETH CHAPTER, NAVAJO NATION ANETH, UTAH		
 DIVISION OF FACILITIES CONSTRUCTION & MANAGEMENT 4110 STATE OFFICE BUILDING SALT LAKE CITY, UTAH 84114 PHONE: (801) 538-3018 FAX: (801) 538-3267 PROJECT NO: 19337310		
 CURTIS MINER ARCHITECTURE 233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com		DATE: 12 JANUARY, 2020 PROJECT #: CMA 18-060 PROJ. MAN.: DBN CHECKED BY: DBN
PROJECT: ANETH BUS BUILDING 10 FAIRWAY LOOP ANETH, UTAH 84510		 THE INFORMATION HEREIN IS THE PROPERTY OF CURTIS MINER ARCHITECTURE AND MAY NOT BE REPRODUCED WITHOUT WRITTEN CONSENT. © 2020 CURTIS MINER ARCHITECTURE, LLC.
SHEET DESCRIPTION: LIFE SAFETY PLAN		SHEET: G101

100% CONSTRUCTION SET

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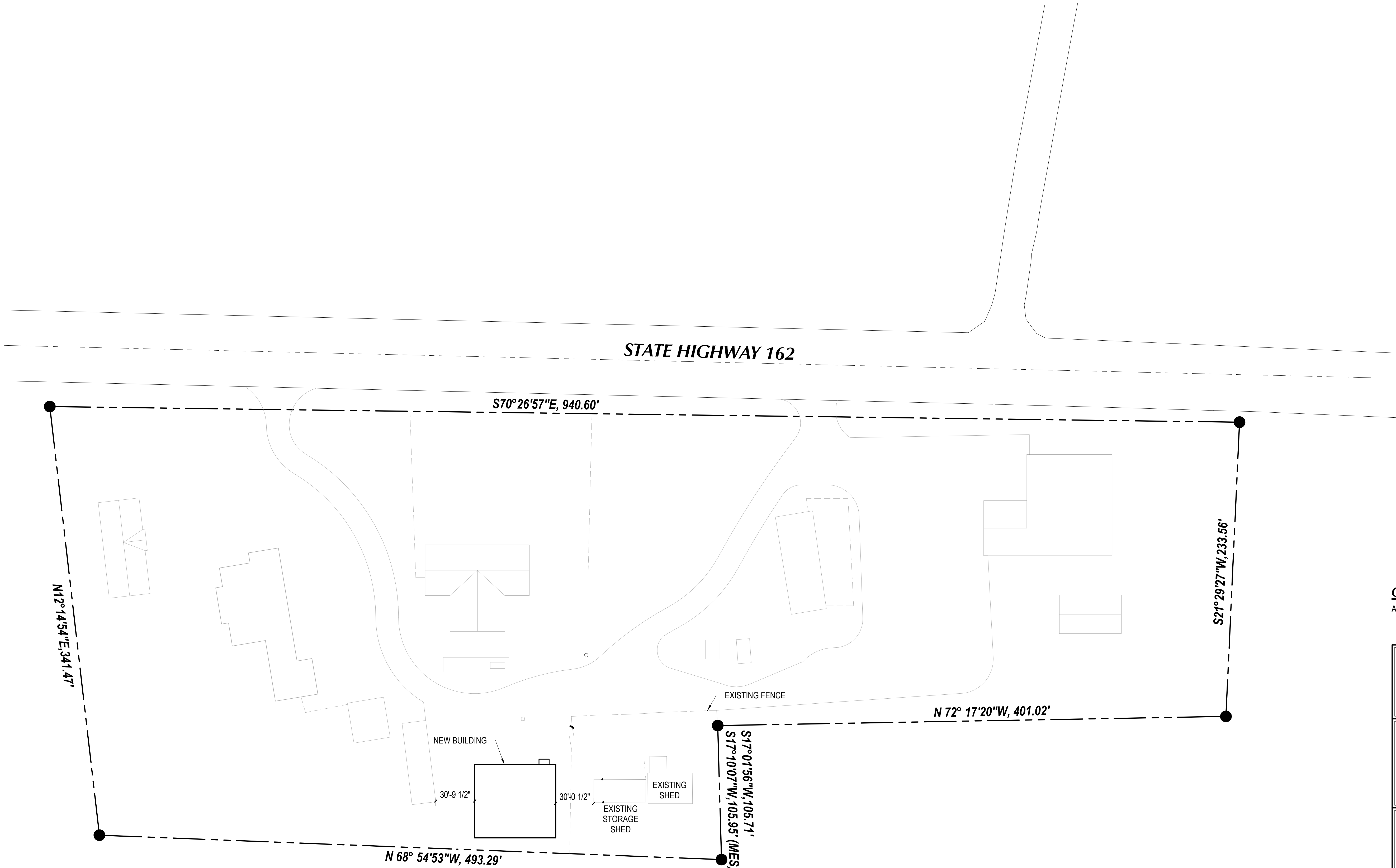
A

B

C

D

△	MARK	REVISION	DATE



GENERAL NOTES

- A. COORDINATE SITE PLAN WITH LANDSCAPE, ARCHITECTURAL, CIVIL, MECHANICAL, AND ELECTRICAL SITE PLAN. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.

ANETH CHAPTER, NAVAJO NATION ANETH, UTAH		
 DIVISION OF FACILITIES CONSTRUCTION & MANAGEMENT 4110 STATE OFFICE BUILDING SALT LAKE CITY, UTAH 84114 PHONE: (801) 538-3018 FAX: (801) 538-3267	PROJECT NO: 19337310	
 CURTIS MINER ARCHITECTURE 233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com	DATE: 12 JANUARY, 2020 PROJECT #: CMA 18-060 PROJ. MAN.: DBN CHECKED BY: DBN	
PROJECT: ANETH BUS BUILDING 10 FAIRWAY LOOP ANETH, UTAH 84510	SHEET DESCRIPTION: ARCHITECTURAL SITE PLAN	

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SHEET NOTES

5.01 STRUCTURAL STEEL COLUMN. SEE STRUCTURAL.

8.18 OVERHEAD VERTICAL LIFT DOOR, SEE MANUFACTURER FOR DETAILS.

11.17 COMPRESSOR

12.02 BENCH

21.03 SEMI-RECESSED FIRE EXTINGUISHER CABINET WITH 2A10BC FIRE EXTINGUISHER INSIDE. SEE DETAIL D1/A702.

PROPERTY LINE
EXISTING OVERHEAD POWER LINE
EXISTING FENCE
EXISTING SEWER MANHOLE
EXISTING MANHOLE UNKNOWN
EXISTING WATER TAP
EXISTING POWER POLE
SEWER LINE REQ'D
WATER LINE REQ'D
4" CONCRETE FLATWORK REQ'D
6" REINFORCED CONCRETE
FLATWORK REQ'D

PROPOSED BUS STATION
FINISH FLOOR ELEV: 4526.00
(ADJUST IN FIELD AS NECESSARY
PRIOR TO BEGINNING CONSTRUCTION
TO ACCOMMODATE EXISTING SEWER
MAIN REQUIREMENTS)

SCALE: 1" = 20'



DATE:	18 NOVEMBER, 2019
PROJECT #:	CMA 18-060
PROJ. MAN.:	DBN
CHECKED BY:	DBN

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SHEET DESCRIPTION:

CIVIL SITE PLAN

SHEET: **C-1**



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LEGEND

- PROPERTY LINE
- EXISTING OVERHEAD POWER LINE
- EXISTING FENCE
- EXISTING SEWER MANHOLE
- EXISTING MANHOLE UNKOWN
- EXISTING WATER TAP
- EXISTING POWER POLE
- SEWER LINE REQ'D
- WATER LINE REQ'D
- 4" CONCRETE FLATWORK REQ'D
- 6" REINFORCED CONCRETE FLATWORK REQ'D

SCALE: 1" = 20'

△	MARK	REVISION	DATE

SHEET NOTES

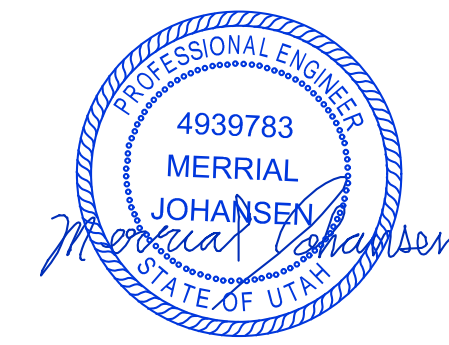
5.01 STRUCTURAL STEEL COLUMN. SEE STRUCTURAL.

8.18 OVERHEAD VERTICAL LIFT DOOR. SEE MANUFACTURER FOR DETAILS.

11.17 COMPRESSOR

12.02 BENCH

21.03 SEMI-RECESSED FIRE EXTINGUISHER CABINET WITH 2A10BC FIRE EXTINGUISHER INSIDE. SEE DETAIL D1/A702.



**ANETH CHAPTER,
NAVAJO NATION**
ANETH, UTAH

DIVISION OF FACILITIES
CONSTRUCTION & MANAGEMENT
4110 STATE OFFICE BUILDING
SALT LAKE CITY, UTAH 84114
PHONE: (801) 538-3018
FAX: (801) 538-3267

PROJECT NO: 19337310

**CURTIS MINER
ARCHITECTURE**

233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
cma@cmautah.com

DATE: 18 NOVEMBER, 2019
PROJECT #: CMA 18-060
PROJ. MAN.: DBN
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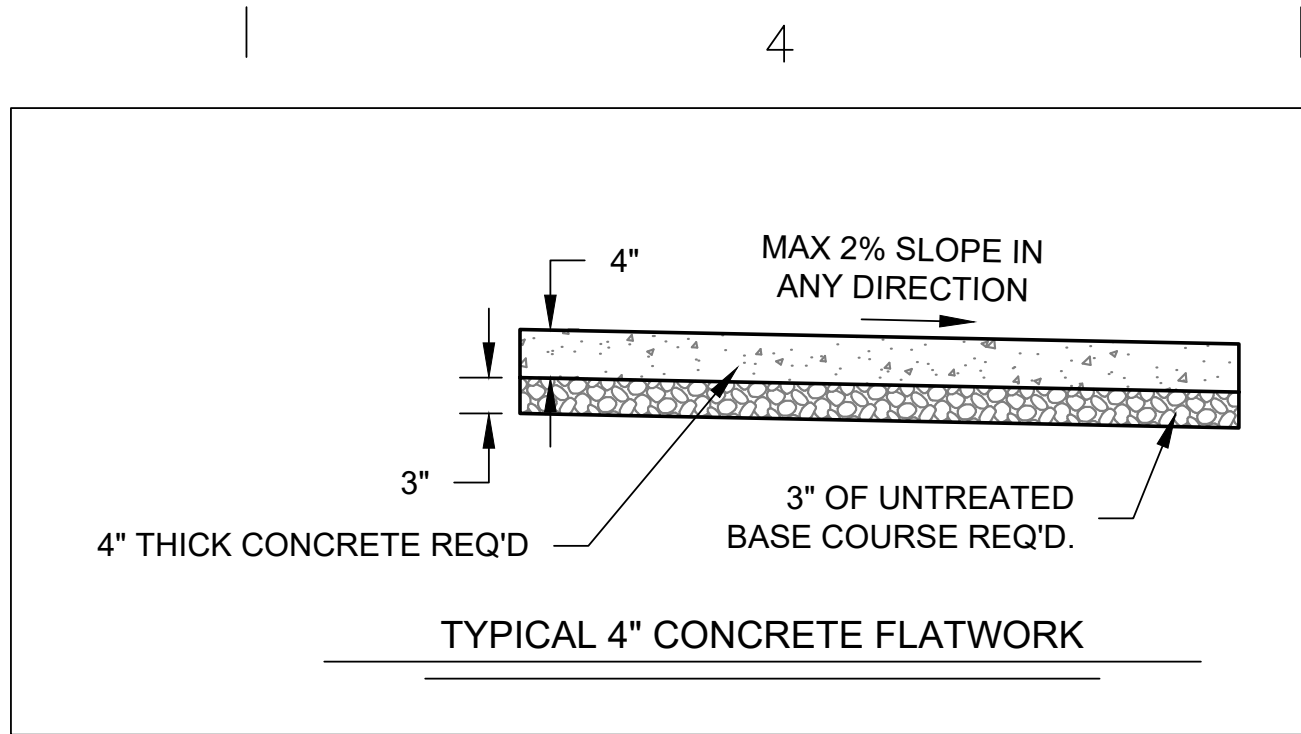
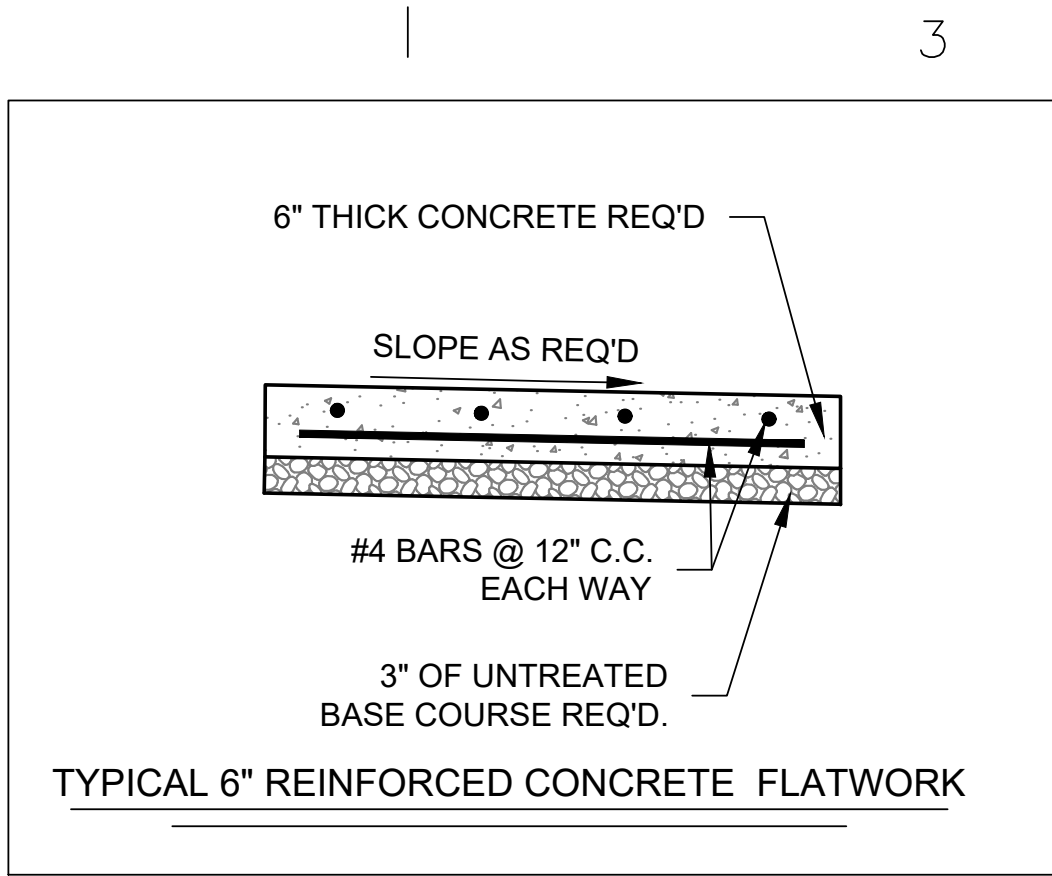
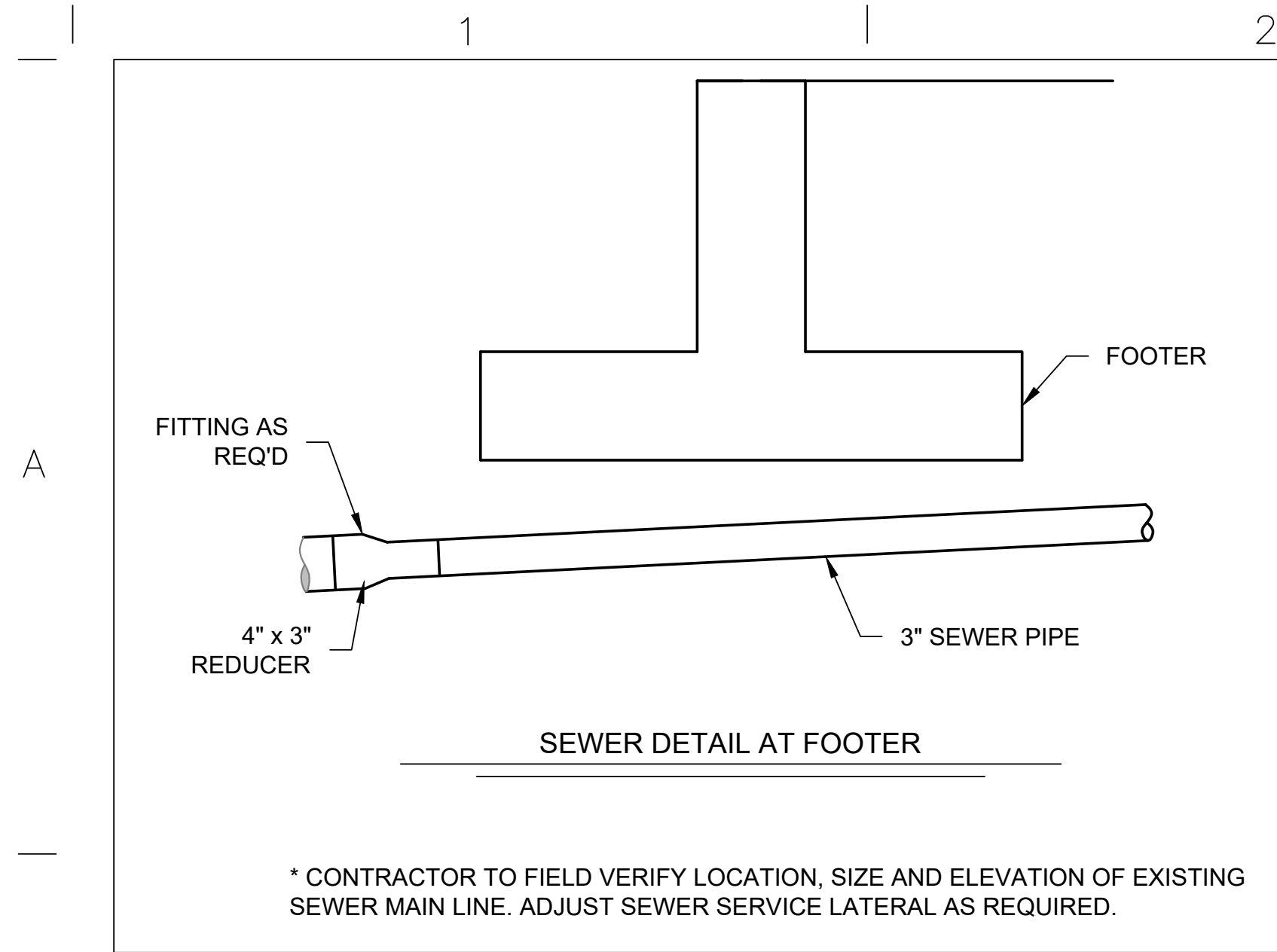
PROJECT:
ANETH BUS BUILDING

10 FAIRWAY LOOP
ANETH, UTAH 84510

SHEET DESCRIPTION:
CIVIL SITE PLAN - ENLARGED

SHEET:
C-11

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SHEET NOTES

- 5.01 STRUCTURAL STEEL COLUMN. SEE STRUCTURAL.
- 8.18 OVERHEAD VERTICAL LIFT DOOR, SEE MANUFACTURER FOR DETAILS.
- 11.17 COMPRESSOR
- 12.02 BENCH
- 21.03 SEMI-RECESSED FIRE EXTINGUISHER CABINET WITH 2A10BC FIRE EXTINGUISHER INSIDE. SEE DETAIL D1/A702.

NOTES:

* ALL EXTERIOR SEWER PIPE TO BE ASTM D-3034.

* ALL EXTERIOR WATER LINE TO BE 2" POLYPIPE PE 4710. ALL PIPE MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF ASTM D-1248, TYPE 3, CLASS C BLACK (WEATHER RESISTANT). THE PIPE SHALL CONFORM TO THE REQUIREMENTS OF ASTM D-2239 AND HAVE A PRESSURE RATING OF 150 PSI.

* ALL MATERIALS THAT MAY COME IN CONTACT WITH DRINKING WATER, INCLUDING PIPES, GASKETS, LUBRICANTS, AND O-RINGS, SHALL BE ANSI-CERTIFIED AS MEETING THE REQUIREMENTS OF ANSI/NSF STANDARD 61, DRINKING WATER SYSTEM COMPONENTS - HEALTH EFFECTS. TO PERMIT FIELD VERIFICATION OF THIS CERTIFICATION ALL COMPONENTS SHALL BE APPROPRIATELY STAMPED WITH THE NSF LOGO.

* WATERLINE PRESSURE TESTING WILL BE REQUIRED AT 100 PSI FOR A PERIOD OF 2 HOURS. ANY LEAKS SHALL BE REPAIRED AND THE CONDUIT RETESTED. THE PROCEDURE SHALL BE REPEATED UNTIL IT IS WATER TIGHT. LEAKAGE REQUIREMENTS WILL MEET AWWA-C600-10.

* THE WATER SUPPLY LINE SHALL BE DISINFECTED IN ACCORDANCE WITH THE PROVISIONS OF THE STANDARD FOR DISINFECTING WATERLINES, AWWA C-651.

* CONTRACTOR IS RESPONSIBLE FOR TRANSPORTATION AND DELIVERY OF BACTERIA SAMPLE TO TESTING FACILITY.

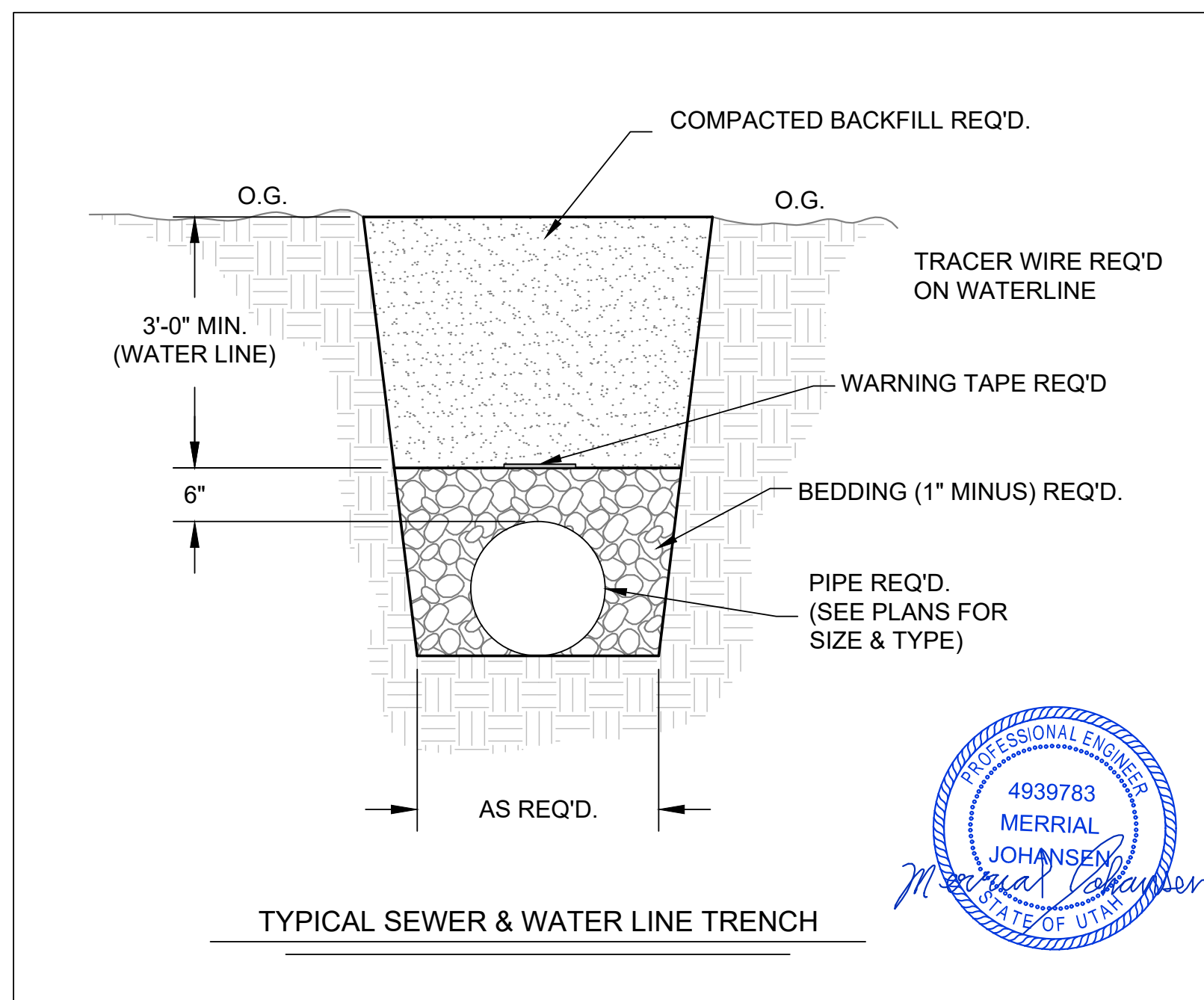
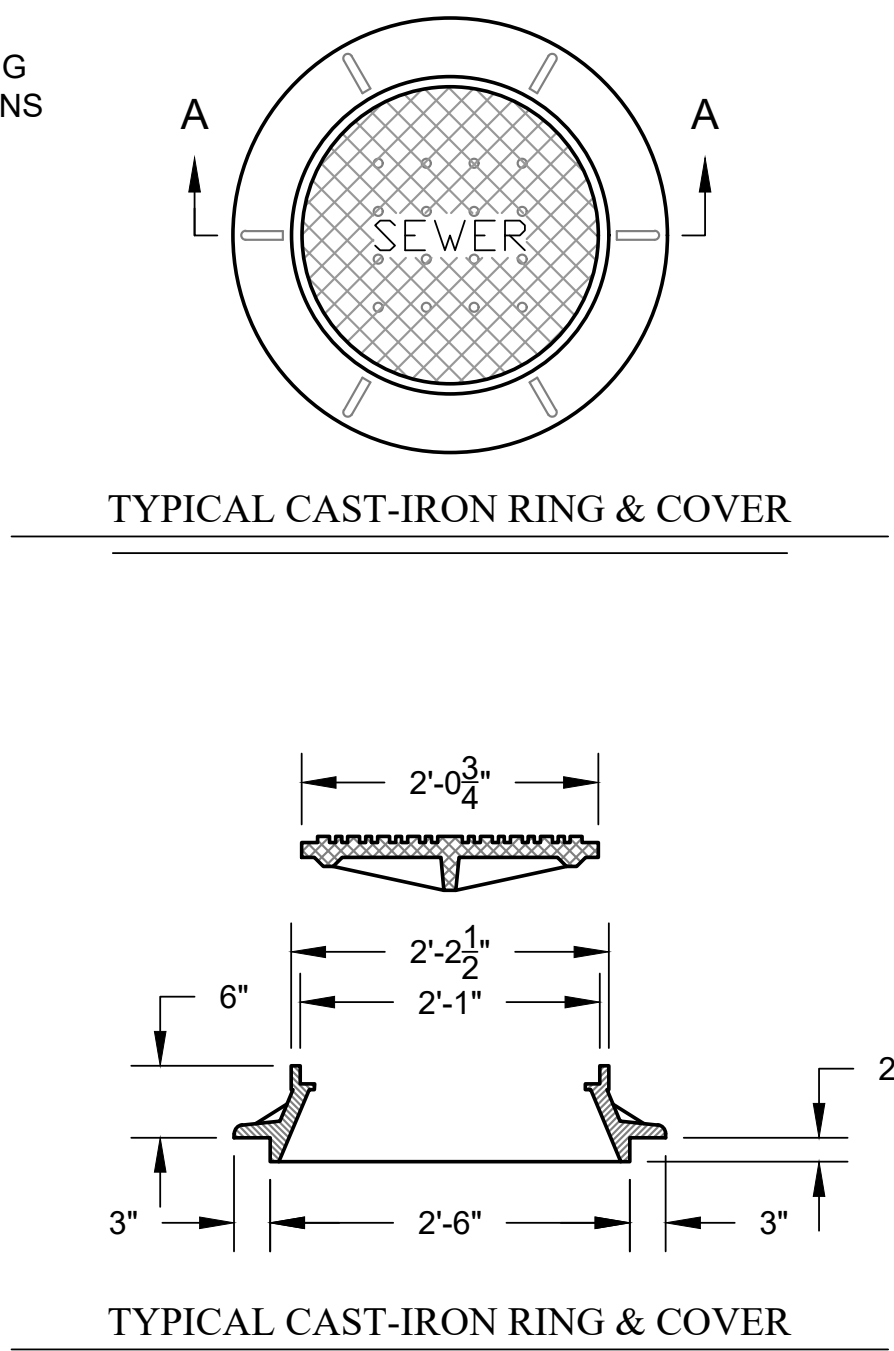
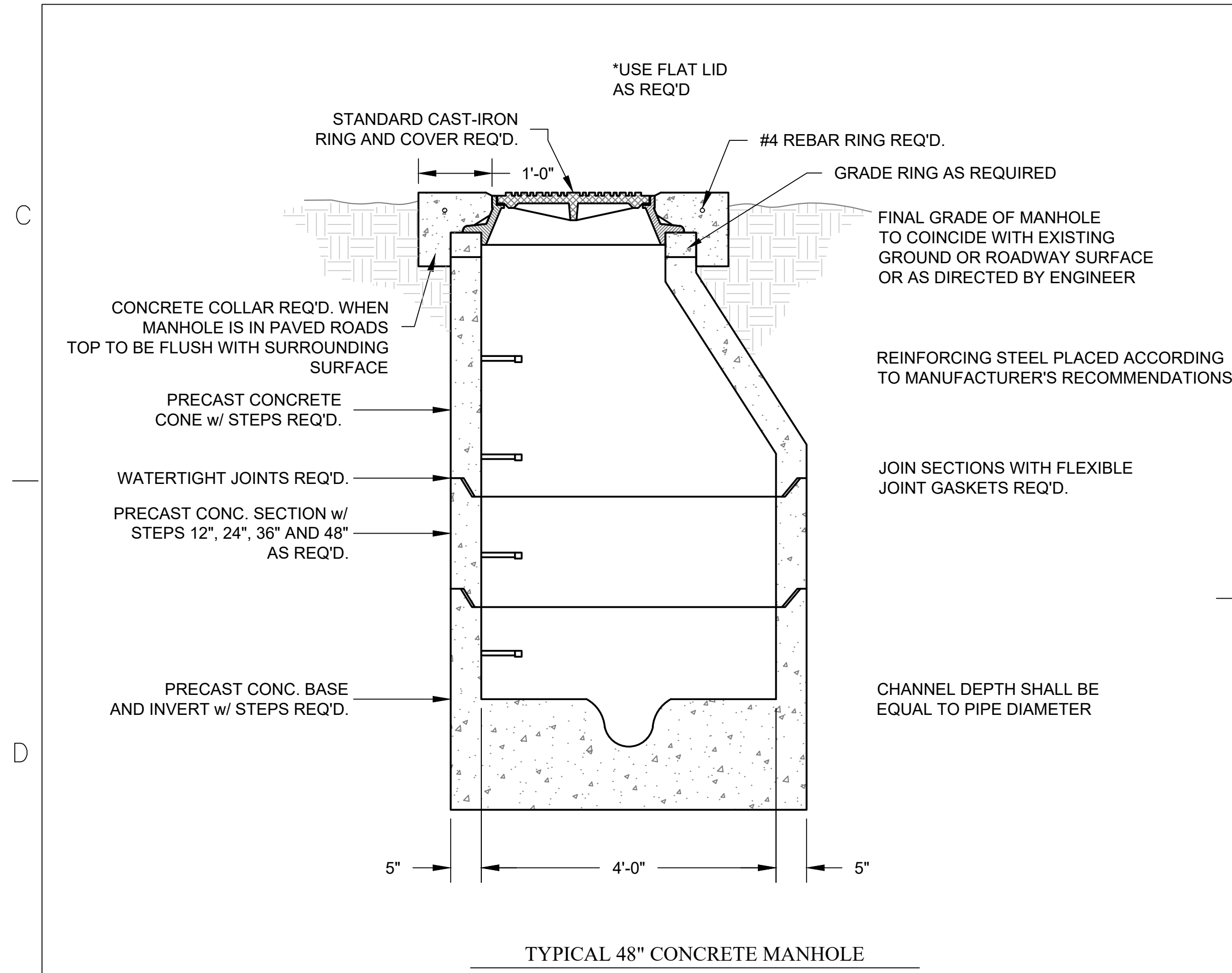
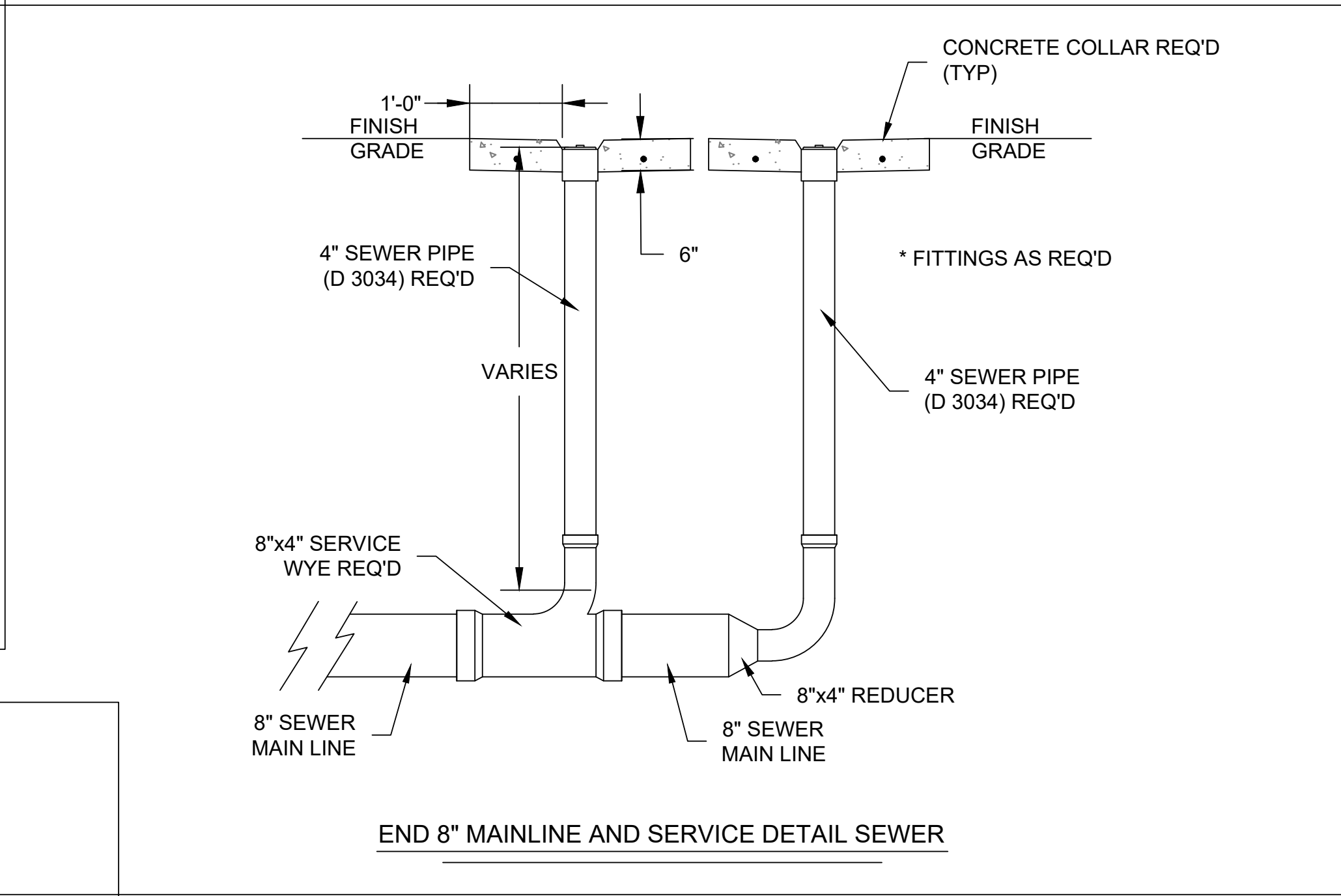
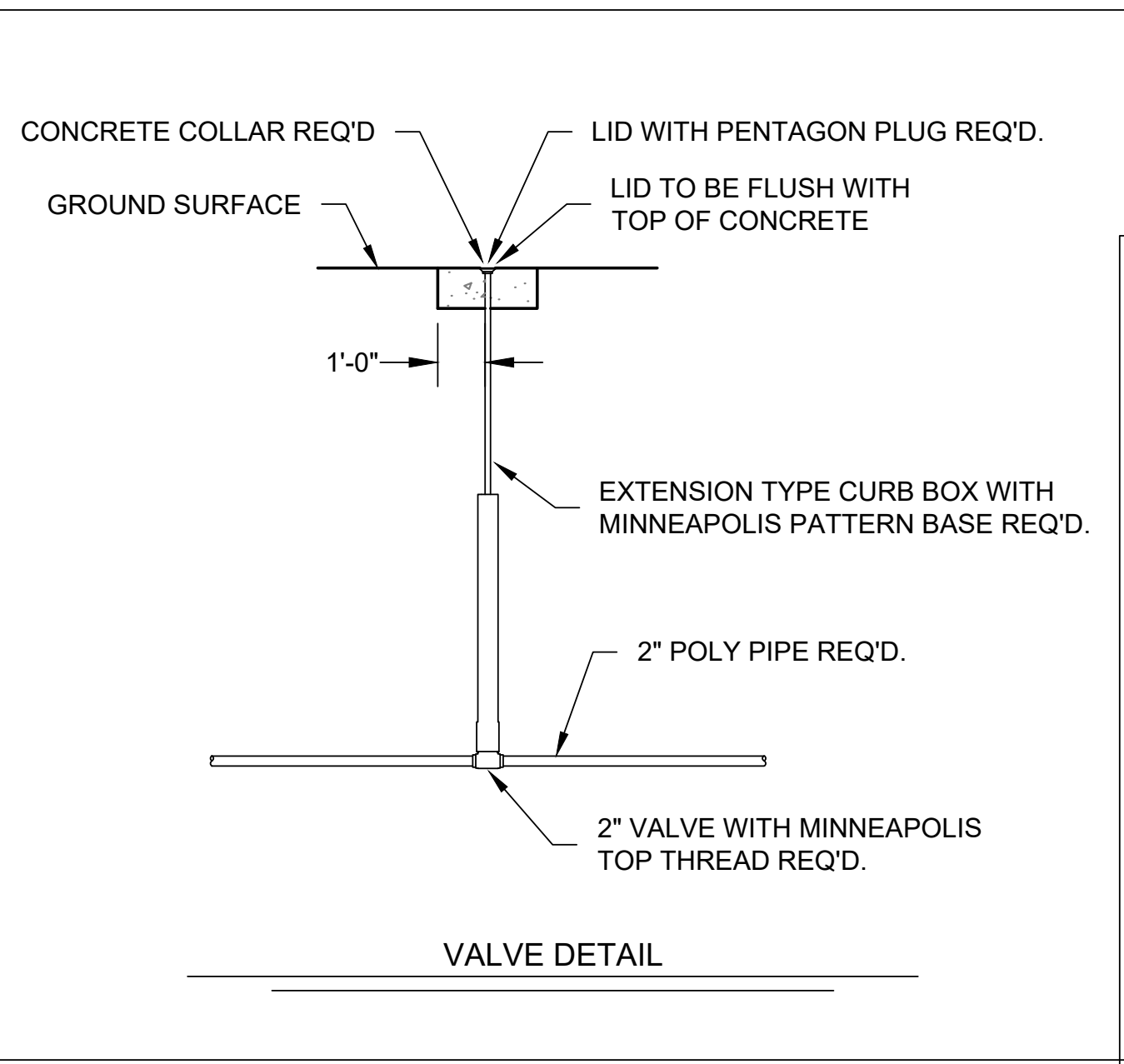
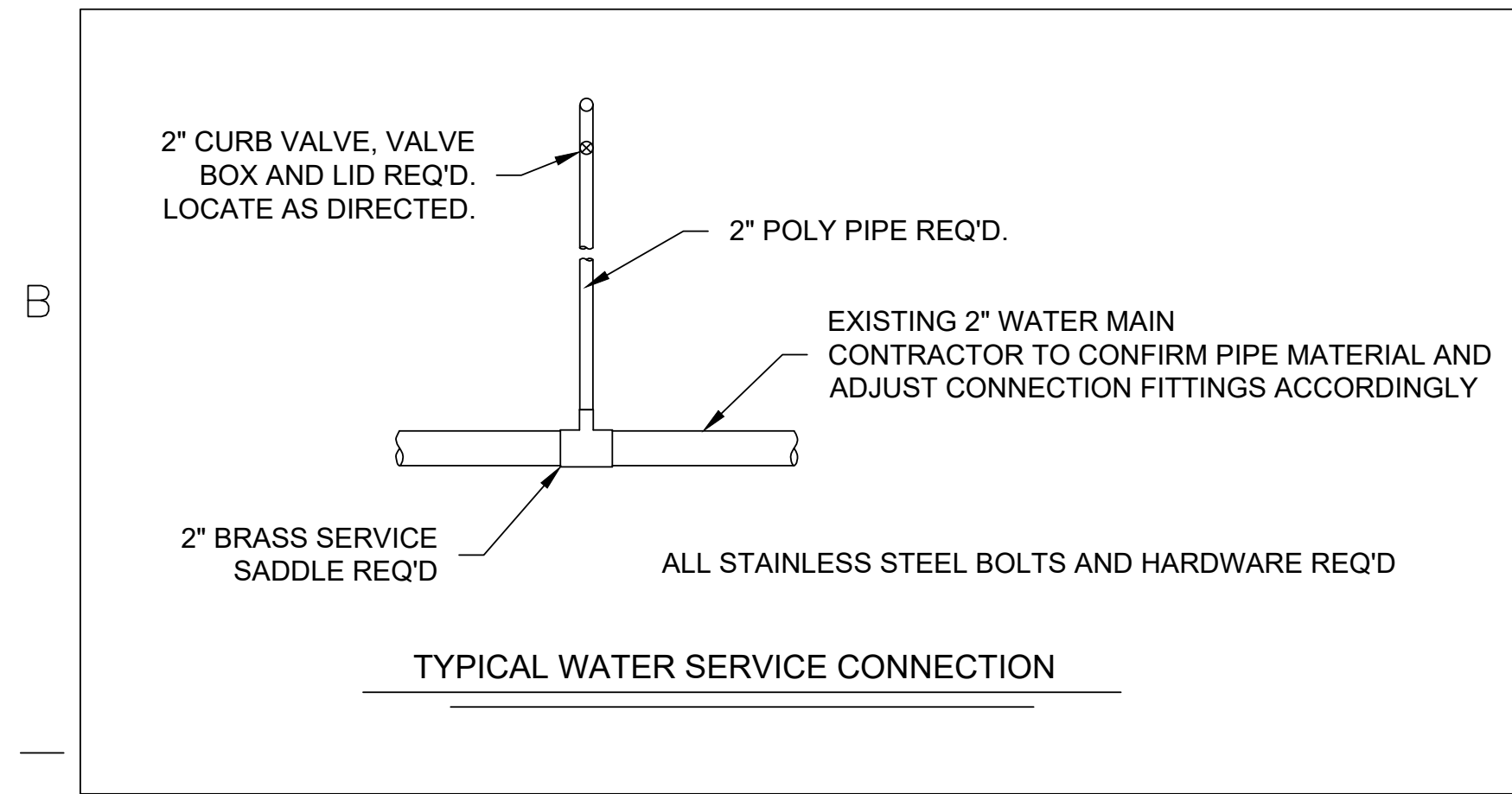
* SEWER LINES WILL BE PRESSURE TESTED AS OUTLINED IN ASTM F-1417-98.


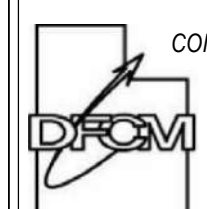

* TESTING AND DISINFECTION IS INCIDENTAL TO CONSTRUCTION OF PIPELINES AND FITTINGS.

* WHERE WATER AND SEWER LINES CROSS, ALL APPLICABLE CLEARANCES MUST BE MAINTAINED - ADJUST WATER LINE AS NECESSARY.

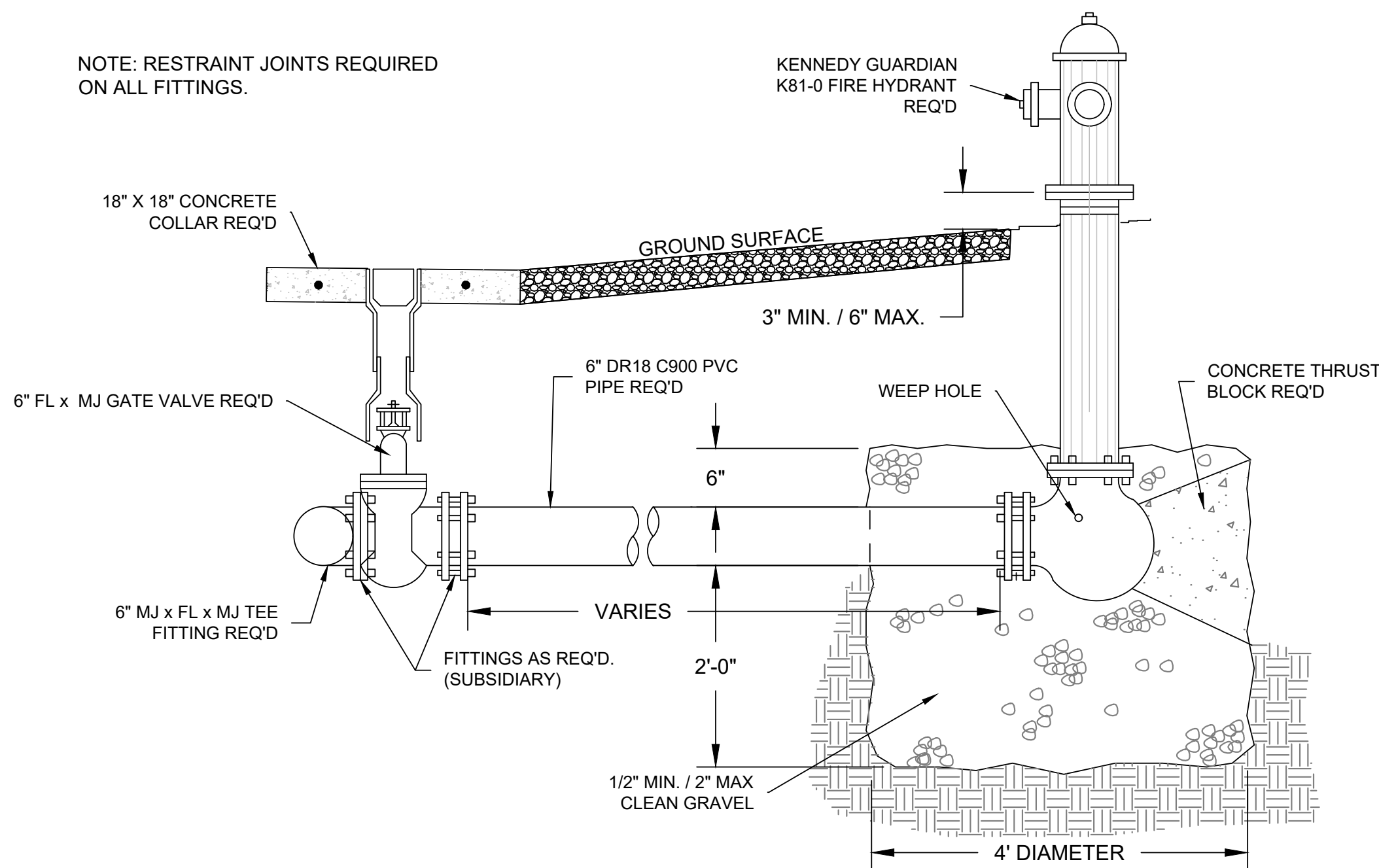
* PRIOR TO CONSTRUCTION CONTRACTOR TO POTHOLE ANY EXISTING UTILITIES ALONG SEWER SERVICE LATERAL CENTERLINE LOCATION TO DETERMINE IF A GRADE CONFLICT EXISTS. RELOCATE EXISTING UTILITIES AS REQUIRED.

* LANDINGS (MINIMUM 5' X 5') NOT TO EXCEED 2% SLOPE IN ANY DIRECTION.

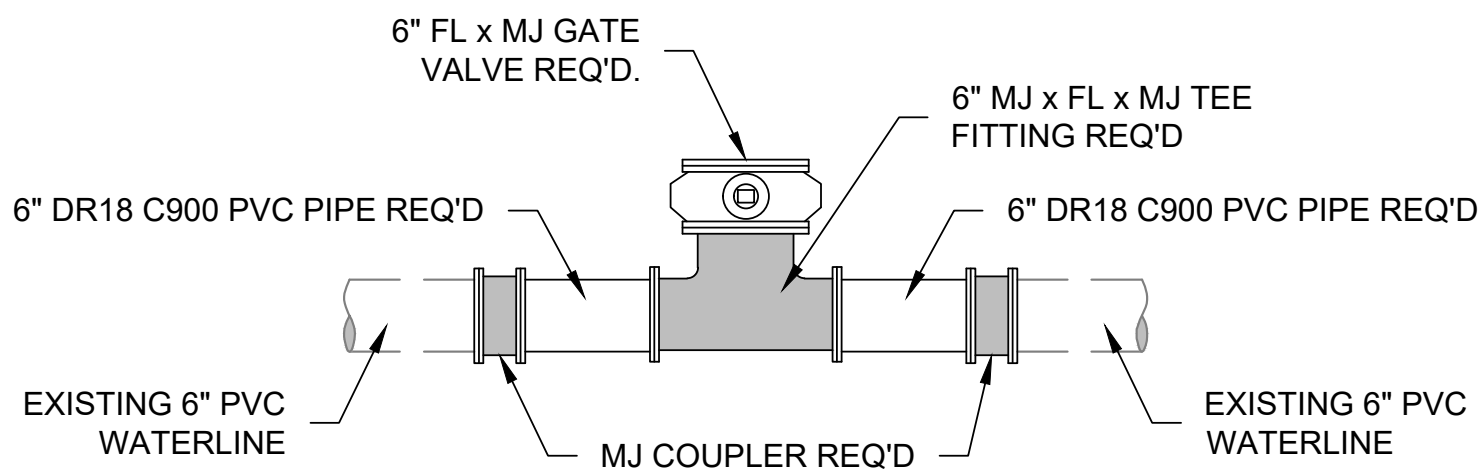


ANETH CHAPTER, NAVAJO NATION ANETH, UTAH		 REVIEWED FOR CODE COMPLIANCE DATE: 05/05/2020
 DIVISION OF FACILITIES CONSTRUCTION & MANAGEMENT 4110 STATE OFFICE BUILDING SALT LAKE CITY, UTAH 84114 PHONE: (801) 538-3018 FAX: (801) 538-3267		
PROJECT NO: 19337310		
 233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com		DATE: 18 NOVEMBER, 2019 PROJECT #: CMA 18-060 PROJ. MAN.: DBN CHECKED BY: DBN
PROJECT: ANETH BUS BUILDING 10 FAIRWAY LOOP ANETH, UTAH 84510		
SHEET DESCRIPTION: DETAILS		SHEET: C-2

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TYPICAL FIRE HYDRANT DETAIL



TYPICAL FIRE HYDRANT MAINLINE TEE FITTING DETAIL

△	MARK	REVISION	DATE

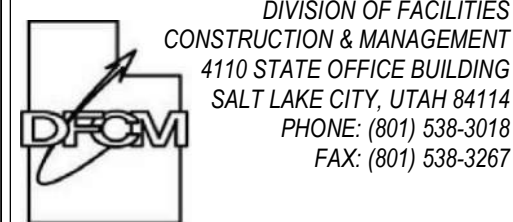
SHEET NOTES

- 5.01 STRUCTURAL STEEL COLUMN. SEE STRUCTURAL.
- 8.18 OVERHEAD VERTICAL LIFT DOOR, SEE MANUFACTURER FOR DETAILS.
- 11.17 COMPRESSOR
- 12.02 BENCH
- 21.03 SEMI-RECESSED FIRE EXTINGUISHER CABINET WITH 2A10BC FIRE EXTINGUISHER INSIDE. SEE DETAIL D1/A702.

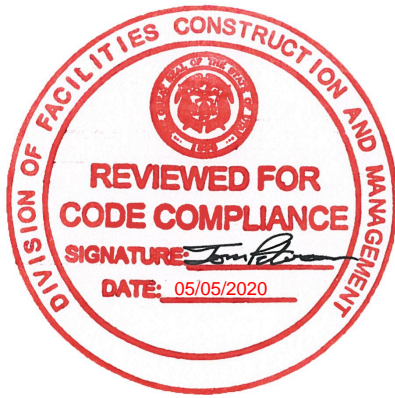
NOTES:

- * ALL EXTERIOR SEWER PIPE TO BE ASTM D-3034.
- * ALL EXTERIOR WATER LINE TO BE 2" POLYPIPE PE 4710. ALL PIPE MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF ASTM D-1248, TYPE 3, CLASS C BLACK (WEATHER RESISTANT). THE PIPE SHALL CONFORM TO THE REQUIREMENTS OF ASTM D-2239 AND HAVE A PRESSURE RATING OF 150 PSI.
- * ALL MATERIALS THAT MAY COME IN CONTACT WITH DRINKING WATER, INCLUDING PIPES, GASKETS, LUBRICANTS, AND O-RINGS, SHALL BE ANSI-CERTIFIED AS MEETING THE REQUIREMENTS OF ANSI/NSF STANDARD 61, DRINKING WATER SYSTEM COMPONENTS - HEALTH EFFECTS. TO PERMIT FIELD VERIFICATION OF THIS CERTIFICATION ALL COMPONENTS SHALL BE APPROPRIATELY STAMPED WITH THE NSF LOGO.
- * WATERLINE PRESSURE TESTING WILL BE REQUIRED AT 100 PSI FOR A PERIOD OF 2 HOURS. ANY LEAKS SHALL BE REPAIRED AND THE CONDUIT RETESTED. THE PROCEDURE SHALL BE REPEATED UNTIL IT IS WATER TIGHT. LEAKAGE REQUIREMENTS WILL MEET AWWA-C600-10.
- * THE WATER SUPPLY LINE SHALL BE DISINFECTED IN ACCORDANCE WITH THE PROVISIONS OF THE STANDARD FOR DISINFECTING WATERLINES, AWWA C-651.
- * CONTRACTOR IS RESPONSIBLE FOR TRANSPORTATION AND DELIVERY OF BACTERIA SAMPLE TO TESTING FACILITY.
- * SEWER LINES WILL BE PRESSURE TESTED AS OUTLINED IN ASTM F-1417-98.
- * TESTING AND DISINFECTION IS INCIDENTAL TO CONSTRUCTION OF PIPELINES AND FITTINGS.
- * WHERE WATER AND SEWER LINES CROSS, ALL APPLICABLE CLEARANCES MUST BE MAINTAINED - ADJUST WATER LINE AS NECESSARY.
- * PRIOR TO CONSTRUCTION CONTRACTOR TO POTHOLE ANY EXISTING UTILITIES ALONG SEWER SERVICE LATERAL CENTERLINE LOCATION TO DETERMINE IF A GRADE CONFLICT EXISTS. RELOCATE EXISTING UTILITIES AS REQUIRED.
- * LANDINGS (MINIMUM 5' X 5') NOT TO EXCEED 2% SLOPE IN ANY DIRECTION.

ANETH CHAPTER,
NAVAJO NATION
ANETH, UTAH



PROJECT NO: 19337310



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CURTIS MINER
ARCHITECTURE

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PHONE: (801) 769-3000
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DATE: 18 NOVEMBER, 2019
PROJECT #: CMA 18-060
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PROJECT:

ANETH BUS BUILDING

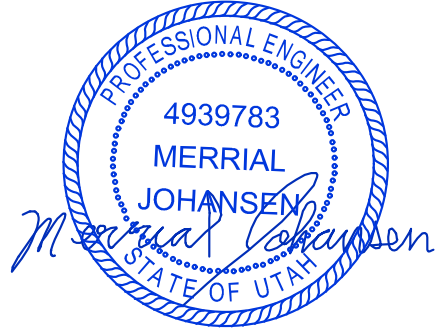
10 FAIRWAY LOOP
ANETH, UTAH 84510

SHEET DESCRIPTION:

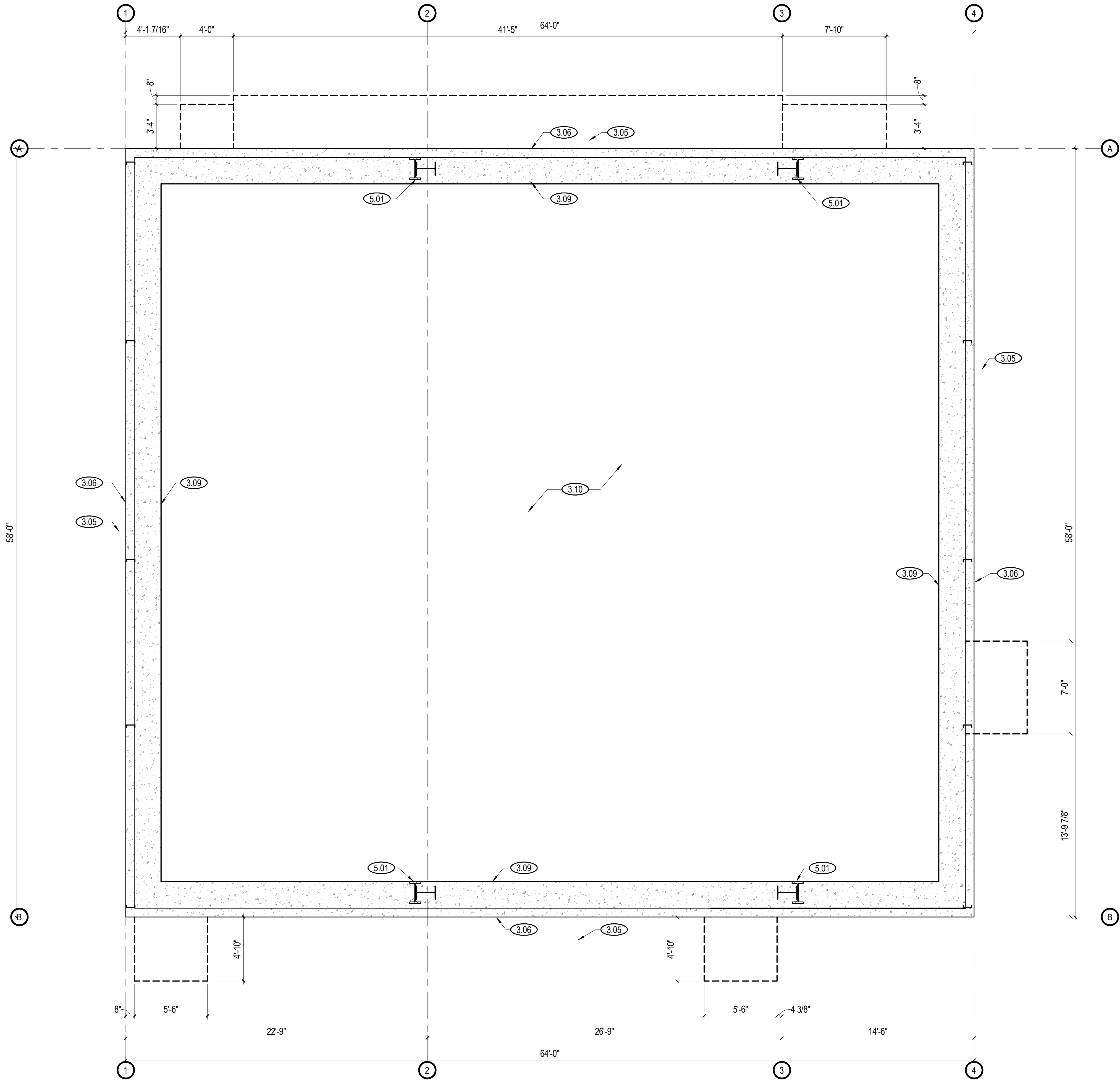
DETAILS

SHEET:

C-21



\\CMA-DAT\A101\CMA_Jobs\CMA_Jobs\2018\18-060 DFCM Aneth UT Bus Building\11 Rev\18-060 DFCM Aneth UT Shop & Warehouse_CENTRAL - 2020-3-27.rvt
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D2 FOOTING AND FOUNDATION PLAN

A100 | SCALE: 1/4" = 1'-0"

△	MARK	REVISION	DATE

SHEET NOTES

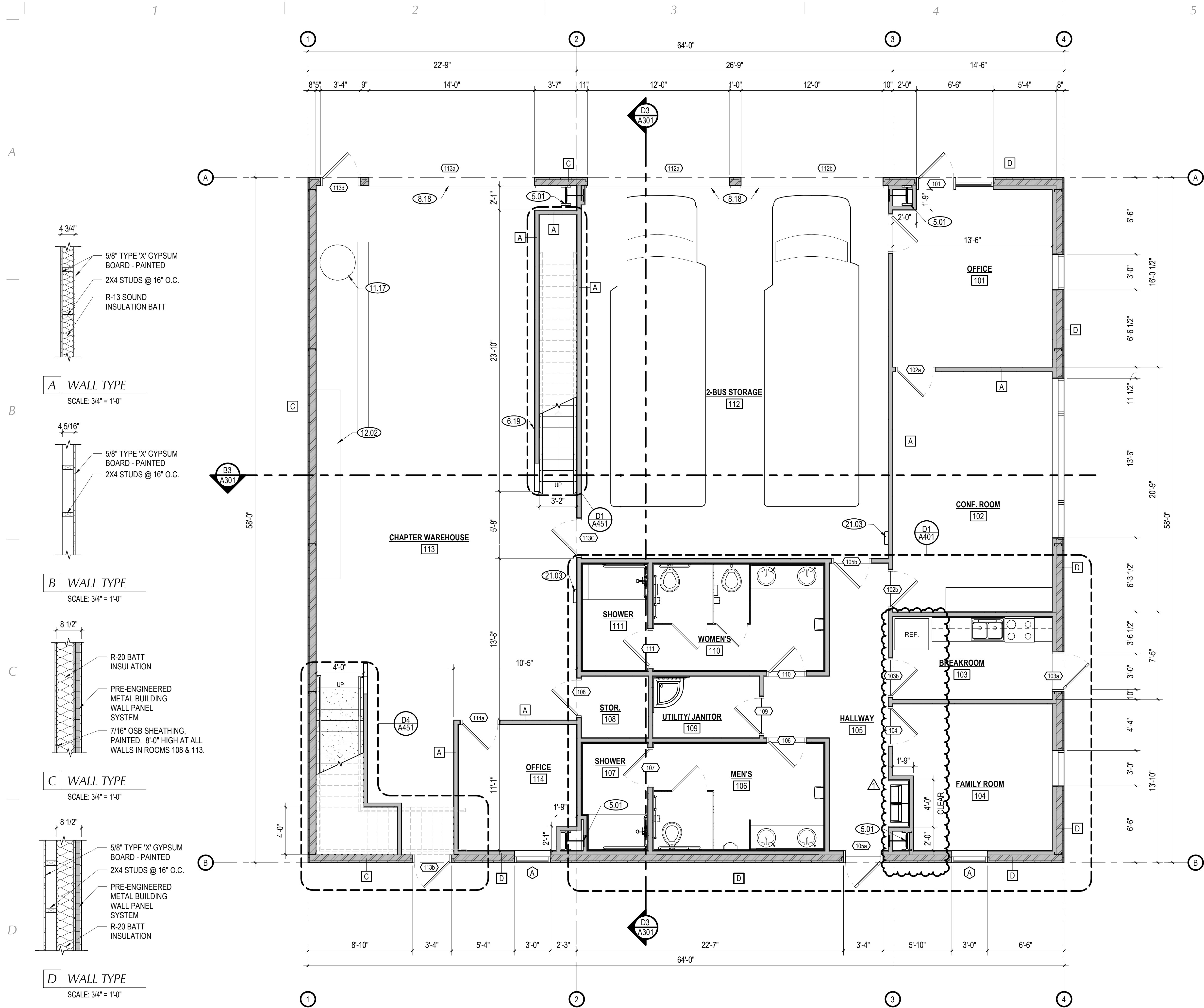
- 3.05 FINISHED GRADE LINE 6" MINIMUM BELOW TOP OF CONCRETE FOUNDATION WALL. SLOPE FINISHED GRADE AWAY FROM THE BUILDING 6 INCHES IN THE FIRST 10 FEET.
- 3.06 CONCRETE FOUNDATION WALL. SEE STRUCTURAL.
- 3.09 FOOTINGS TO REST ON NATIVE SOILS OR ENGINEERED FILL AS DETAILED BY THE GEOTECHNICAL STUDY.
- 3.10 6" CONCRETE SLAB OVER 4" FREE DRAINING GRAVEL OVER 10 MIL VAPOR RETARDER.
- 5.01 STRUCTURAL STEEL COLUMN. SEE STRUCTURAL.

GENERAL NOTES

- A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
- B. COORDINATE INSTALLATIONS OF ALL " AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
- C. RECOMMENDATIONS FOUND IN THE GEOTECHNICAL STUDY ARE TO BE FOLLOWED STRICTLY.
- D. CONCRETE WALLS RETAINING EARTH TO RECEIVE TWO COATS BITUMINOUS DAMP PROOFING MATERIAL.
- E. MASONRY TO HAVE CONTROL JOINTS PER STRUCTURAL SHEETS.
- F. PROVIDE 2" THICK RIGID INSULATION (R=10.0 MINIMUM), WITH A VERTICAL DEPTH OF 18" MINIMUM, AROUND THE ENTIRE PERIMETER OF THE BUILDING FOUNDATION AT THE INSIDE FACE
- G. SEE STRUCTURAL SHEETS FOR FOOTING AND FOUNDATION SIZES AND REINFORCING.
- H. SEE ENGINEERING SHEETS FOR ADDITIONAL INFORMATION.
- J. PROVIDE CONTROL JOINTS WHERE OCCURS UNDER TILE.

ANETH CHAPTER, NAVAJO NATION ANETH, UTAH		
 DIVISION OF FACILITIES CONSTRUCTION & MANAGEMENT 4110 STATE OFFICE BUILDING SALT LAKE CITY, UTAH 84114 PHONE: (801) 538-3018 FAX: (801) 538-3267		
PROJECT NO: 19337310		
 CURTIS MINER ARCHITECTURE 233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com		DATE: 12 JANUARY, 2020 PROJECT #: CMA 18-060 PROJ. MAN.: DBN CHECKED BY: DBN
PROJECT: ANETH BUS BUILDING 10 FAIRWAY LOOP ANETH, UTAH 84510		
SHEET DESCRIPTION: FOOTING AND FOUNDATION PLAN		SHEET: A100

\\CMA-DAT\A101\CMA Jobs\CMA Jobs2018\18-060 DFCM Aneth UT Bus Building\11 Revit\18-060 DFCM Aneth UT Shop & Warehouse CENTRAL - 2020-3-27.rvt
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SHEET NOTES

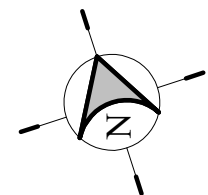
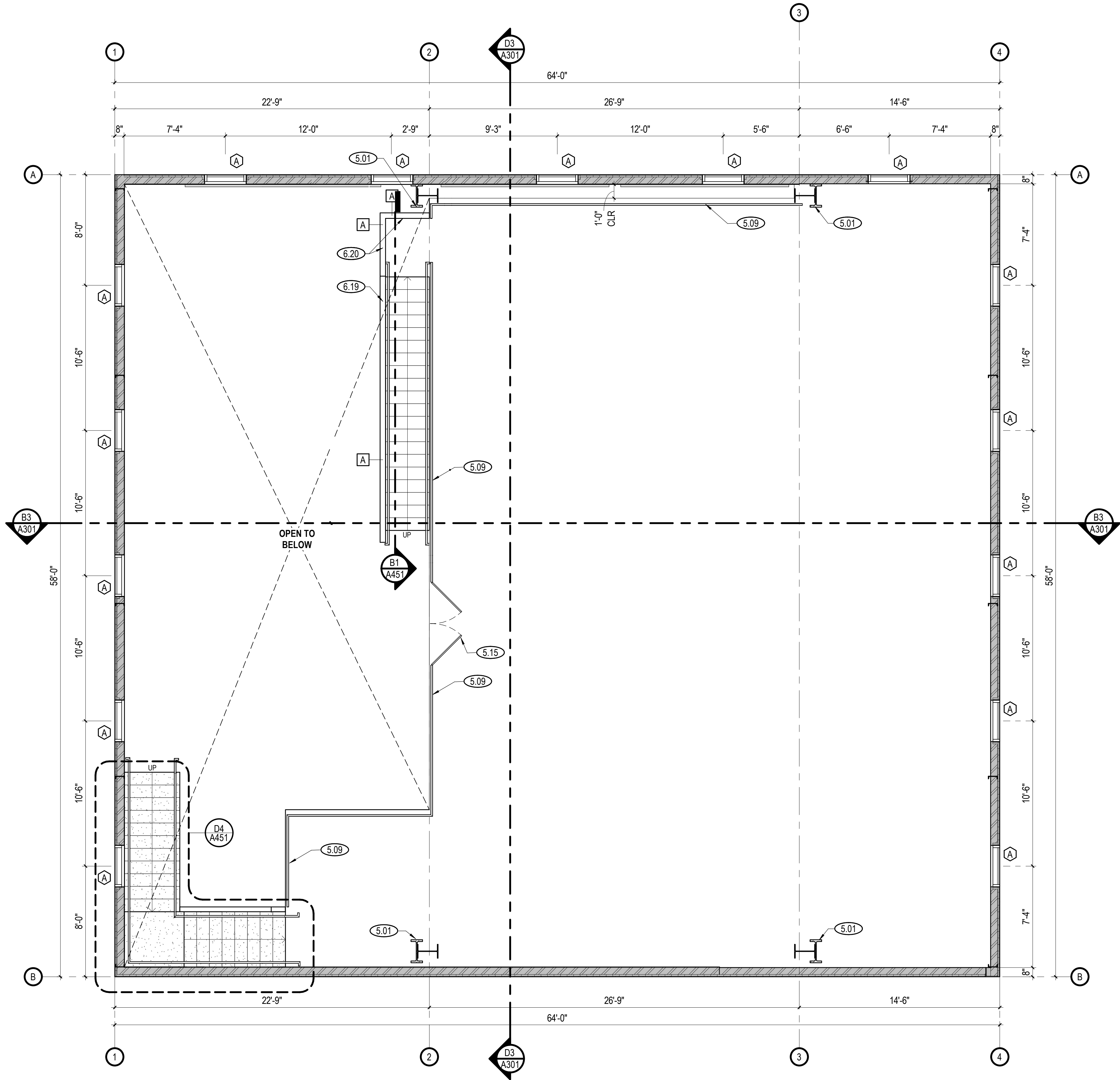
- 5.01 STRUCTURAL STEEL COLUMN. SEE STRUCTURAL.
- 6.19 SLOPED WALL 42" ABOVE TREAD NOSING. SLOPE TO MATCH SLOPE OF STAIR STRINGERS.
- 8.18 OVERHEAD VERTICAL LIFT DOOR. SEE MANUFACTURER FOR DETAILS.
- 11.17 COMPRESSOR
- 12.02 BENCH
- 21.03 SEMI-RECESSED FIRE EXTINGUISHER CABINET WITH 2A10BC FIRE EXTINGUISHER INSIDE. SEE DETAIL D1/A702.

GENERAL NOTES

- A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
- B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
- C. PROVIDE 18" MINIMUM CLEAR FLOOR SPACE AT PULL SIDE OF ALL DOORS. PROVIDE 12" MINIMUM CLEAR FLOOR SPACE AT PUSH SIDE OF ALL DOORS. UNLESS OTHERWISE NOTED OR DIMENSIONED, LOCATE DOORS AS FOLLOWS:
 - MASONRY WALLS- OUTSIDE OF FRAME 8" FROM FACE OF WALL (ON BLOCK MODULE).
 - FRAMED WALLS-INSIDE OF JAMB 4" FROM FINISHED WALL (ADJUST FOR TILE WHERE SHOWN).
- E. CONCRETE FOUNDATION WALLS RETAINING EARTH TO RECEIVE TWO COATS OF BITUMINOUS DAMP PROOFING MATERIAL.
- F. SEE STRUCTURAL, MECHANICAL, AND ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
- G. SEE INTERIOR ELEVATIONS AND MILLWORK DETAILS ON A251 FOR FINISHES OF MILLWORK BASES, AND COUNTERTOPS.
- H. SEE SHEETS A151, A152 FOR REFLECTED CEILING PLAN INFORMATION.
- I. SEE SHEETS AF101, AF102, FOR FINISH INFORMATION. CONFIRM FINISHES WITH OWNER PRIOR TO ORDERING.
- J. SEE A601 AND A602 FOR DOOR AND WINDOW INFORMATION.
- K. GENERAL CONTRACTOR SHALL REVIEW AND APPROVE ALL APPLIANCES WITH OWNER PRIOR TO PURCHASING EQUIPMENT AND FABRICATING MILLWORK.
- L. SEE THE SPECIFICATION FOR ADDITIONAL INFORMATION.
- M. SEE G001 FOR LEGENDS, SYMBOLS, ABBREVIATIONS AND OTHER ARCHITECTURAL GENERAL INFORMATION.
- N. PROVIDE BACKING/BLOCKING FOR WALL MOUNTED ITEMS INCLUDING GRAB BARS, HANDRAILS, SIGNAGE AND EQUIPMENT AS REQUIRED.
- O. TILE IS TO BE SET OVER TILE BACKER GYPSUM BOARD. RECESS SLAB AS/IF REQUIRED. VERIFY WITH OWNER.
- P. DO NOT SCALE DRAWINGS.

ANETH CHAPTER, NAVAJO NATION ANETH, UTAH		
 DIVISION OF FACILITIES CONSTRUCTION & MANAGEMENT 4110 STATE OFFICE BUILDING SALT LAKE CITY, UTAH 84114 PHONE: (801) 538-3018 FAX: (801) 538-3267		
PROJECT NO: 19337310		
 CURTIS MINER ARCHITECTURE	233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com	DATE: 12 JANUARY, 2020 PROJECT #: CMA 18-060 PROJ. MAN.: DBN CHECKED BY: DBN
PROJECT: ANETH BUS BUILDING		
10 FAIRWAY LOOP ANETH, UTAH 84510		
SHEET DESCRIPTION: LEVEL 1 FLOOR PLAN & WALL TYPES		SHEET: A101

\\CMA-DAT\A101\CMA_Jobs\CMA_18-060 DFCM Aneth UT Bus Building\11 Revit\18-060 DFCM Aneth UT Shop & Warehouse_CENTRAL - 2020-3-27.rvt
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D2

LEVEL 2 FLOOR PLAN
A102 | SCALE: 1/4" = 1'-0"

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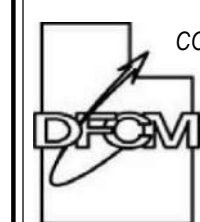
SHEET NOTES

- 5.01 STRUCTURAL STEEL COLUMN. SEE STRUCTURAL.
5.09 PAINTED STEEL GUARDRAIL. 42" MINIMUM ABOVE FINISHED FLOOR OR NOSE OF STAIRS. SEE TYPICAL DETAILS ON SHEET A453.
5.15 PAINTED STEEL GATE.
6.19 SLOPED WALL 42" ABOVE TREAD NOSING. SLOPE TO MATCH SLOPE OF STAIR STRINGERS.
6.20 WALL TO EXTEND 42" A.F.F. OF 2ND FLOOR.

GENERAL NOTES

- A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
C. PROVIDE 18" MINIMUM CLEAR FLOOR SPACE AT PULL SIDE OF ALL DOORS. PROVIDE 12" MINIMUM CLEAR FLOOR SPACE AT PUSH SIDE OF ALL DOORS.
D. UNLESS OTHERWISE NOTED OR DIMENSIONED, LOCATE DOORS AS FOLLOWS:
• MASONRY WALLS- OUTSIDE OF FRAME 8" FROM FACE OF WALL (ON BLOCK MODULE).
• FRAMED WALLS-INSIDE OF JAMB 4" FROM FINISHED WALL (ADJUST FOR TILE WHERE SHOWN).
E. CONCRETE FOUNDATION WALLS RETAINING EARTH TO RECEIVE TWO COATS OF BITUMINOUS DAMP PROOFING MATERIAL.
F. SEE STRUCTURAL, MECHANICAL, AND ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
G. SEE INTERIOR ELEVATIONS AND MILLWORK DETAILS ON A251 FOR FINISHES OF MILLWORK BASES, AND COUNTERTOPS.
H. SEE SHEETS A151, A152 FOR REFLECTED CEILING PLAN INFORMATION.
I. SEE SHEETS AF101, AF102, FOR FINISH INFORMATION. CONFIRM FINISHES WITH OWNER PRIOR TO ORDERING.
J. SEE A601 AND A602 FOR DOOR AND WINDOW INFORMATION.
K. GENERAL CONTRACTOR SHALL REVIEW AND APPROVE ALL APPLIANCES WITH OWNER PRIOR TO PURCHASING EQUIPMENT AND FABRICATING MILLWORK.
L. SEE THE SPECIFICATION FOR ADDITIONAL INFORMATION.
M. SEE G001 FOR LEGENDS, SYMBOLS, ABBREVIATIONS AND OTHER ARCHITECTURAL GENERAL INFORMATION.
N. PROVIDE BACKING/BLOCKING FOR WALL MOUNTED ITEMS-INCLUDING GRAB BARS, HANDRAILS, SIGNAGE AND EQUIPMENT AS REQUIRED.
O. TILE IS TO BE SET OVER TILE BACKER GYPSUM BOARD. RECESS SLAB AS/IF REQUIRED. VERIFY WITH OWNER.
P. DO NOT SCALE DRAWINGS.

ANETH CHAPTER,
NAVAJO NATION
ANETH, UTAH



DIVISION OF FACILITIES
CONSTRUCTION & MANAGEMENT
4110 STATE OFFICE BUILDING
SALT LAKE CITY, UTAH 84114
PHONE: (801) 538-3018
FAX: (801) 538-3267

PROJECT NO: 19337310



CURTIS MINER
ARCHITECTURE

233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
cma@cmautah.com

DATE: 12 JANUARY, 2020
PROJECT #: CMA 18-060
PROJ. MAN.: DBN
CHECKED BY: DBN

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PROJECT:
ANETH BUS BUILDING

10 FAIRWAY LOOP
ANETH, UTAH 84510







SHEET DESCRIPTION:
LEVEL 2 FLOOR PLAN

SHEET:
A102

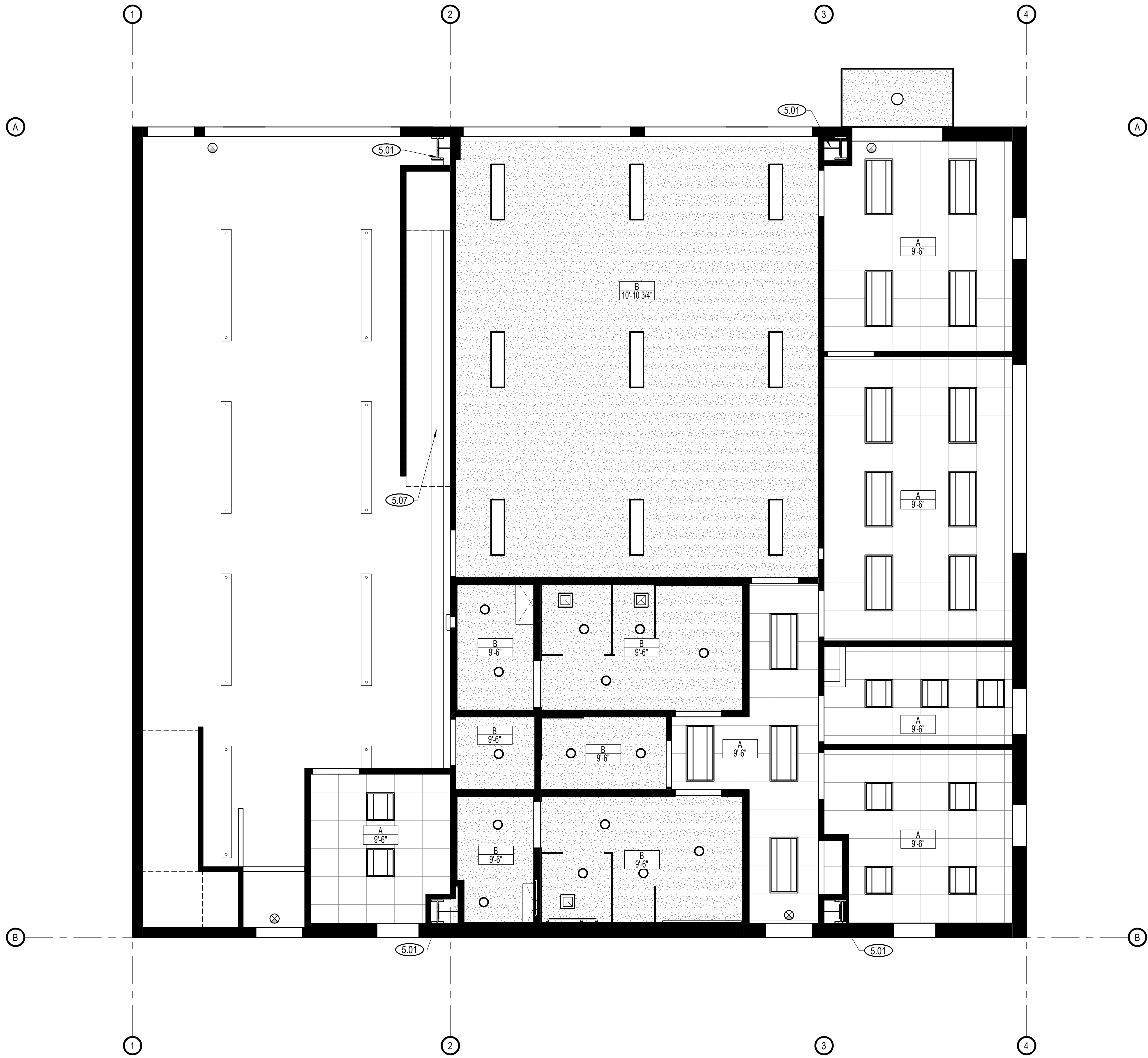
7.14 METAL ROOFING BY METAL BUILDING SUPPLIER



\\CMA-DATA\01\CMA_Jobs\CMA_Jobs\2018\18-060 DFCM_Aneeth UT Bus Building\11 Revit\18-060 DFCM_Aneeth UT Shop & Warehouse_CENTRAL - 2020-3-27.rvt
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<p>ANETH CHAPTER, NAVAJO NATION</p> <p>ANETH, UTAH</p> <hr/> <p> DIVISION OF FACILITIES CONSTRUCTION & MANAGEMENT 4110 STATE OFFICE BUILDING SALT LAKE CITY, UTAH 84114 PHONE: (801) 538-3018 FAX: (801) 538-3267</p> <p>PROJECT NO: 19337310</p>	
<p> CURTIS MINER ARCHITECTURE</p> <p>233 SOUTH PLEASANT GROVE BLVD. SUITE # 105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com</p>	<p>DATE: 12 JANUARY, 2020 PROJECT #: CMA 18-060 PROJ. MAN.: DBN CHECKED BY: DBN</p> <p><small>THE INFORMATION HEREIN IS THE PROPERTY OF CURTIS MINER ARCHITECTURE, AND MAY NOT BE REPRODUCED WITHOUT WRITTEN CONSENT. © 2020 CURTIS MINER ARCHITECTURE, LLC</small></p>
<p>PROJECT: <i>ANETH BUS BUILDING</i></p> <p>10 FAIRWAY LOOP ANETH, UTAH 84510</p>	
<p>SHEET DESCRIPTION:</p> <p>ROOF PLAN</p>	<p>SHEET:</p> <p>A103</p>

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D2 LEVEL 1 REFLECTED CEILING PLAN
A151 | SCALE: 1/4" = 1'-0"

△	MARK	REVISION	DATE

SHEET NOTES

5.01 STRUCTURAL STEEL COLUMN. SEE STRUCTURAL.

CEILING LEGEND

A		2x2 SUSPENDED CEILING SYSTEM WITH GRID. SEE SPECIFICATIONS. SEE DETAILS ON A151
B		PAINTED 5/8" TYPE "X" GYPSUM BOARD WITH TEXTURED FINISH.
C		OPEN TO EXPOSED STRUCTURE ABOVE, PAINTED WHITE

ELECTRICAL/MECHANICAL SYMBOLS

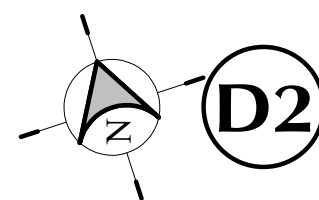
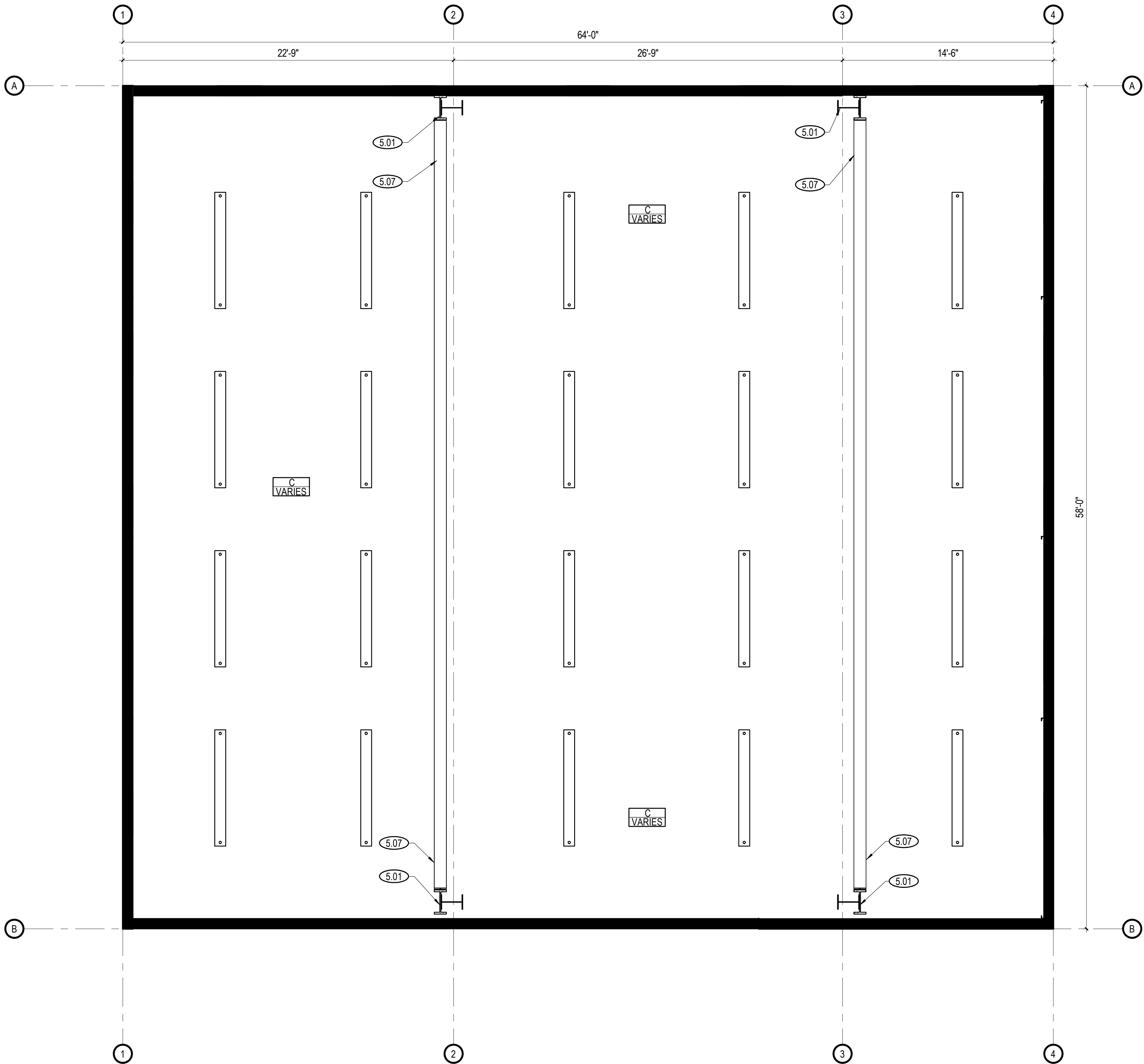
	2'x4' LIGHT FIXTURE		SMALL PENDANT LIGHT
	2'x2' LIGHT FIXTURE		WALL-MOUNTED LIGHT FIXTURE
	SUSPENDED LIGHT FIXTURE		EXIT SIGN
	RECESSED DOWNLIGHT		EXHAUST FAN

GENERAL NOTES

- GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, AND ASSEMBLIES PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
- MECHANICAL, PLUMBING, ELECTRICAL, FIRE SPRINKLER, AND CEILING SUBCONTRACTORS SHALL COORDINATE THEIR WORK. IN CASE OF CONFLICT, THE REFLECTED CEILING PLAN SHALL TAKE PRECEDENCE. SEE ENGINEERING SHEETS FOR ADDITIONAL REQUIREMENTS.
- CEILING HEIGHTS SHOWN ARE ABOVE FINISH FLOOR IN WHICH THEY ARE CALLED.
- COORDINATE LOCATION OF MECHANICAL DIFFUSERS IN WALLS WITH ARCHITECT.
- SEE EXTERIOR ELEVATIONS AND ELECTRICAL LIGHTING PLAN FOR ADDITIONAL LIGHTING INSTRUCTIONS.
- PAINT UNDERSIDE OF EXPOSED OPEN CEILING. VERIFY WITH OWNER. DO NOT SCALE DRAWINGS.

ANETH CHAPTER, NAVAJO NATION ANETH, UTAH		
 DIVISION OF FACILITIES CONSTRUCTION & MANAGEMENT 4110 STATE OFFICE BUILDING SALT LAKE CITY, UTAH 84114 PHONE: (801) 538-3018 FAX: (801) 538-3267		
PROJECT NO: 19337310		
 CURTIS MINER ARCHITECTURE 233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com	DATE: 12 JANUARY, 2020 PROJECT #: CMA 18-060 PROJ. MAN.: DBN CHECKED BY: DBN	
	PROJECT: ANETH BUS BUILDING 10 FAIRWAY LOOP ANETH, UTAH 84510	
SHEET DESCRIPTION: LEVEL 1 REFLECTED CEILING PLAN		SHEET: A151

\\CMA-DATTA\01\CMA_Jobs\2018\18-060 DFCM Aneth UT Bus Building\11 Revit\18-060 DFCM Aneth UT Shop & Warehouse_CENTRAL - 2020-3-27.rvt
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D2

LEVEL 2 REFLECTED CEILING PLAN

A152 | SCALE: 1/4" = 1'-0"

△	MARK	REVISION	DATE

SHEET NOTES

- 5.01 STRUCTURAL STEEL COLUMN. SEE STRUCTURAL.
5.07 STRUCTURAL STEEL BEAM.

CEILING LEGEND

A		2x2 SUSPENDED CEILING SYSTEM WITH GRID. SEE SPECIFICATIONS. SEE DETAILS ON A151
B		PAINTED 5/8" TYPE "X" GYPSUM BOARD WITH TEXTURED FINISH.
C		OPEN TO EXPOSED STRUCTURE ABOVE, PAINTED WHITE

ELECTRICAL/MECHANICAL SYMBOLS

	2'x4' LIGHT FIXTURE		SMALL PENDANT LIGHT
	2'x2' LIGHT FIXTURE		WALL-MOUNTED LIGHT FIXTURE
	SUSPENDED LIGHT FIXTURE		EXIT SIGN
	RECESSED DOWNLIGHT		EXHAUST FAN

GENERAL NOTES

- A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, AND ASSEMBLIES PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
B. MECHANICAL, PLUMBING, ELECTRICAL, FIRE SPRINKLER, AND CEILING SUBCONTRACTORS SHALL COORDINATE THEIR WORK. IN CASE OF CONFLICT, THE REFLECTED CEILING PLAN SHALL TAKE PRECEDENCE. SEE ENGINEERING SHEETS FOR ADDITIONAL REQUIREMENTS.
C. CEILING HEIGHTS SHOWN ARE ABOVE FINISH FLOOR IN WHICH THEY ARE CALLED.
D. COORDINATE LOCATION OF MECHANICAL DIFFUSERS IN WALLS WITH ARCHITECT.
E. SEE EXTERIOR ELEVATIONS AND ELECTRICAL LIGHTING PLAN FOR ADDITIONAL LIGHTING INSTRUCTIONS.
F. PAINT UNDERSIDE OF EXPOSED OPEN CEILING. VERIFY WITH OWNER.
G. DO NOT SCALE DRAWINGS.

ANETH CHAPTER, NAVAJO NATION ANETH, UTAH		
 DIVISION OF FACILITIES CONSTRUCTION & MANAGEMENT 4110 STATE OFFICE BUILDING SALT LAKE CITY, UTAH 84114 PHONE: (801) 538-3018 FAX: (801) 538-3267		
PROJECT NO: 19337310		
 CURTIS MINER ARCHITECTURE 233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com		DATE: 12 JANUARY, 2020 PROJECT #: CMA 18-060 PROJ. MAN.: DBN CHECKED BY: DBN
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PROJECT: ANETH BUS BUILDING 10 FAIRWAY LOOP ANETH, UTAH 84510		
SHEET DESCRIPTION: LEVEL 2 REFLECTED CEILING PLAN		SHEET: A152

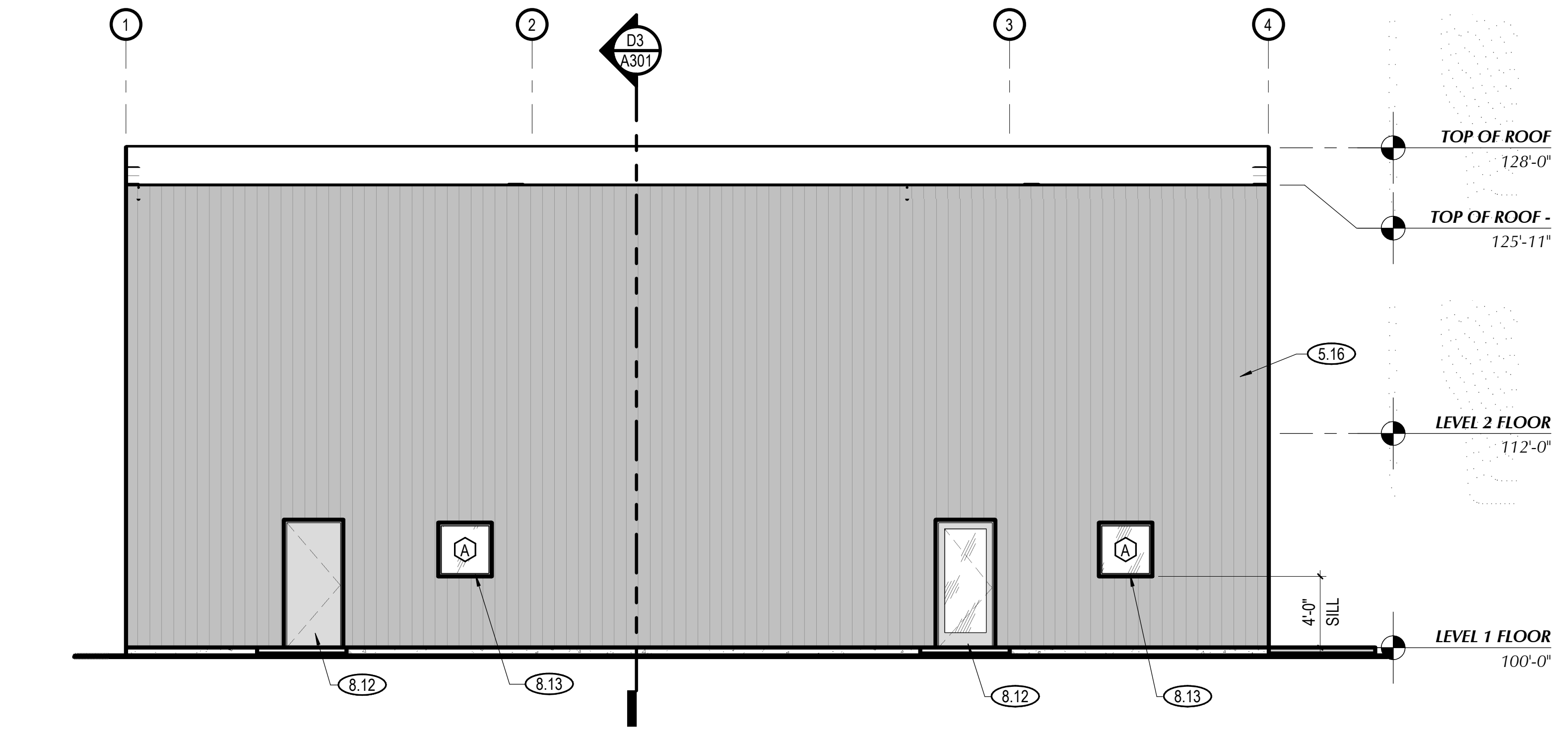
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A

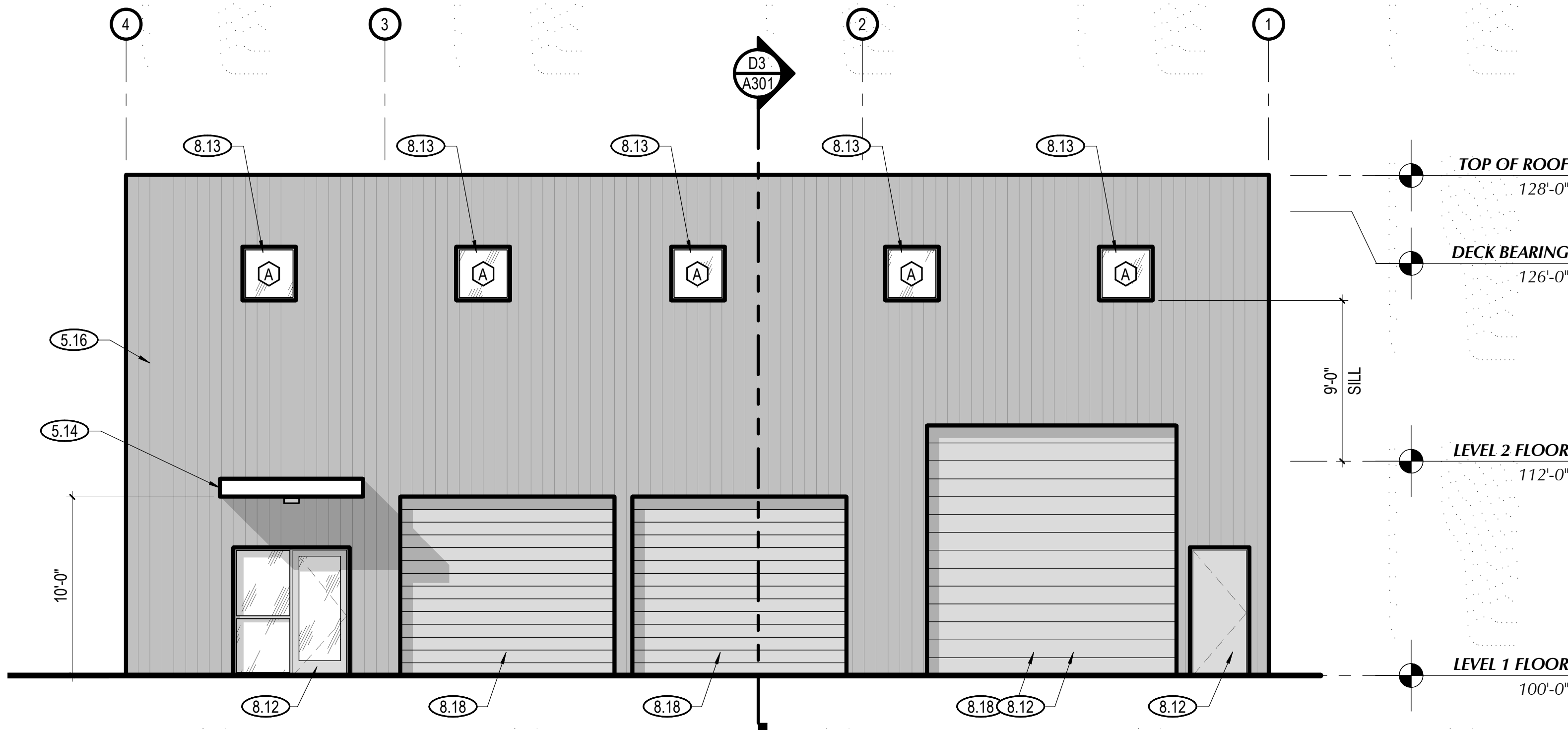
B

C

D



B3 SOUTH ELEVATION
A201 | SCALE: 3/16" = 1'-0"



D3 NORTH ELEVATION
A201 | SCALE: 3/16" = 1'-0"

△	MARK	REVISION	DATE

SHEET NOTES

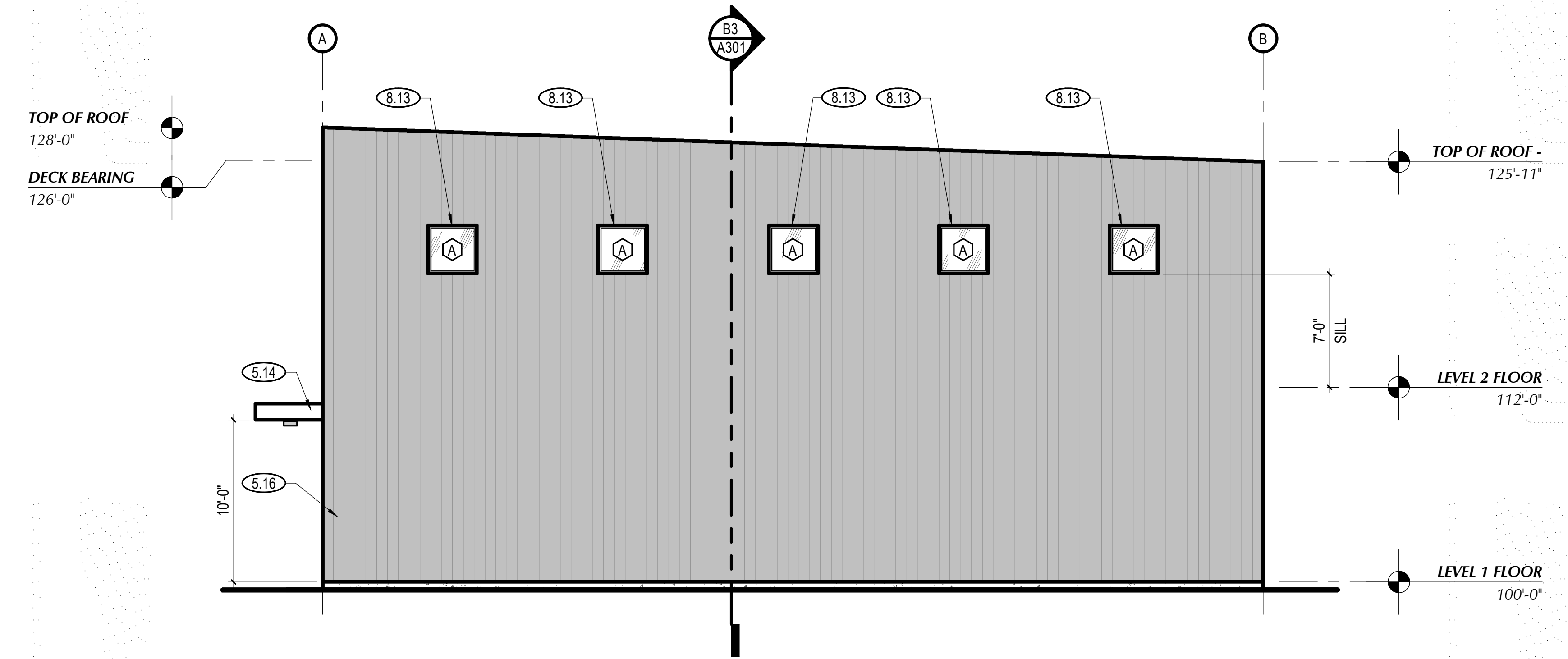
- 5.14 PRE-FINISHED METAL AWNING.
- 5.16 PAINTED METAL INSULATED PANELS
- 8.12 DOOR. SEE DOOR SCHEDULE.
- 8.13 WINDOW. SEE WINDOW SCHEDULE.
- 8.18 OVERHEAD VERTICAL LIFT DOOR, SEE MANUFACTURER FOR DETAILS.

GENERAL NOTES

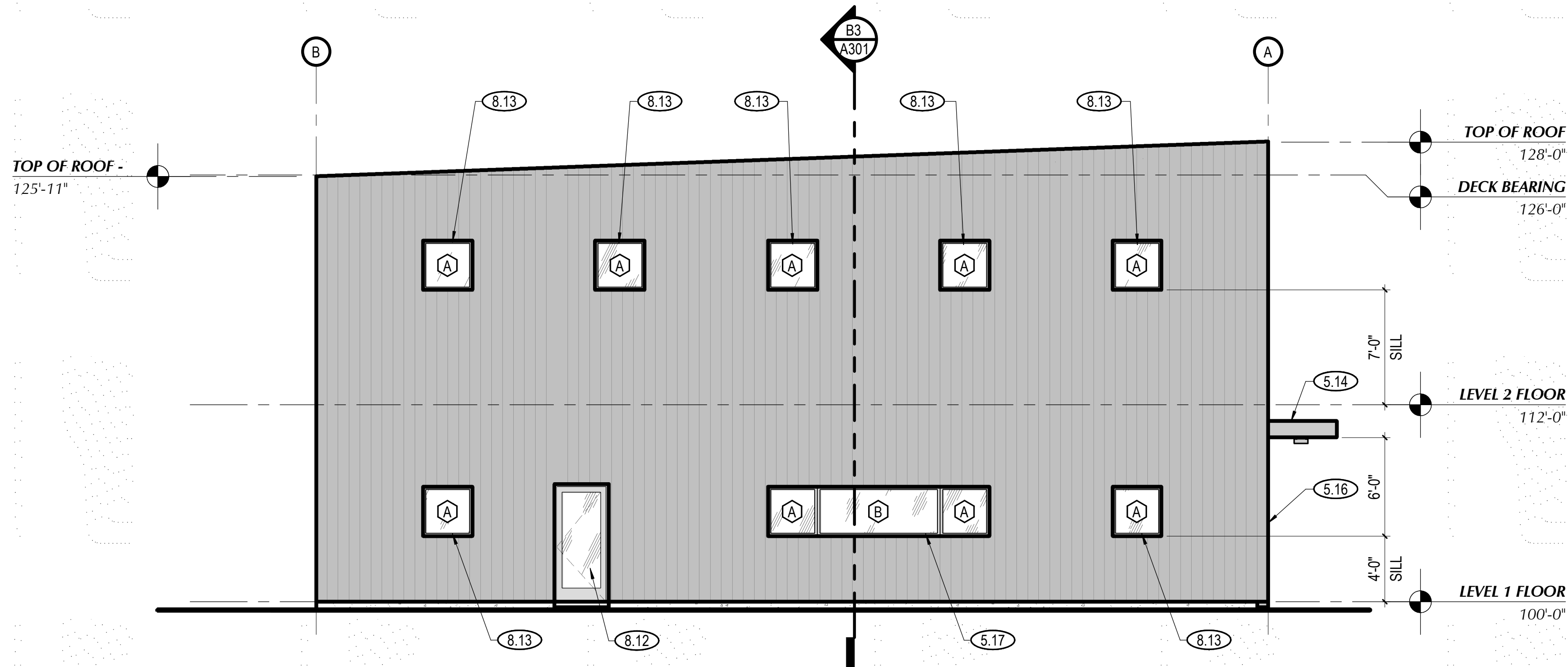
- A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, AND ASSEMBLIES PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
- B. CONCRETE WALL RETAINING EARTH TO RECEIVE TWO COATS OF BITUMINOUS DAMP PROOFING MATERIAL.
- C. PROVIDE PRE-FINISHED NUMBERS ON THE FRONT, EXTERIOR OF THE BUILDING INDICATING THE BUILDING ADDRESS NUMBER ASSIGNED BY THE CITY IN ACCORDANCE WITH CURRENT CITY ORDINANCE. COLOR OF PRE-FINISHED NUMBERS TO CONTRAST SIGNIFICANTLY WITH BACKGROUND COLOR OF EXTERIOR WALL. THAT ADDRESS MUST BE PERMANENTLY FASTENED TO THE EXTERIOR OF THE BUILDING PRIOR TO OCCUPANCY.
- D. SEE PLUMBING SHEETS AND ROOF DRAINAGE PLAN FOR SECONDARY ROOF DRAINAGE BRASS SCUPPER AND ROOF SCUPPER WITH PRE-FINISHED ALUMINUM DOWN SPOUT LOCATIONS ALONG EXTERIOR WALLS.
- E. SEE PLUMBING SHEETS FOR LOCATION OF GAS METER ALONG EXTERIOR WALL.
- F. SEE ELECTRICAL SHEETS FOR ELECTRICAL FIXTURE LOCATIONS ALONG EXTERIOR WALLS.

ANETH CHAPTER, NAVAJO NATION ANETH, UTAH		
 DIVISION OF FACILITIES CONSTRUCTION & MANAGEMENT 4110 STATE OFFICE BUILDING SALT LAKE CITY, UTAH 84114 PHONE: (801) 538-3018 FAX: (801) 538-3267		
PROJECT NO: 19337310		
 CURTIS MINER ARCHITECTURE 233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com		DATE: 12 JANUARY, 2020 PROJECT #: CMA 18-060 PROJ. MAN.: DBN CHECKED BY: DBN
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PROJECT: ANETH BUS BUILDING 10 FAIRWAY LOOP ANETH, UTAH 84510		SHEET: A201
SHEET DESCRIPTION: EXTERIOR ELEVATIONS		

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B3 WEST ELEVATION
A202 | SCALE: 3/16" = 1'-0"



D3 EAST ELEVATION
A202 | SCALE: 3/16" = 1'-0"

△	MARK	REVISION	DATE

SHEET NOTES

- 5.14 PRE-FINISHED METAL AWNING.
- 5.16 PAINTED METAL INSULATED PANELS
- 5.17 STAINLESS STEEL TOILET PARTITIONS
- 8.12 DOOR. SEE DOOR SCHEDULE.
- 8.13 WINDOW. SEE WINDOW SCHEDULE.

GENERAL NOTES

- A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, AND ASSEMBLIES PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
- B. CONCRETE WALL RETAINING EARTH TO RECEIVE TWO COATS OF BITUMINOUS DAMP PROOFING MATERIAL.
- C. PROVIDE PRE-FINISHED NUMBERS ON THE FRONT, EXTERIOR OF THE BUILDING INDICATING THE BUILDING ADDRESS NUMBER ASSIGNED BY THE CITY IN ACCORDANCE WITH CURRENT CITY ORDINANCE. COLOR OF PRE-FINISHED NUMBERS TO CONTRAST SIGNIFICANTLY WITH BACKGROUND COLOR OF EXTERIOR WALL. THAT ADDRESS MUST BE PERMANENTLY FASTENED TO THE EXTERIOR OF THE BUILDING PRIOR TO OCCUPANCY.
- D. SEE PLUMBING SHEETS AND ROOF DRAINAGE PLAN FOR SECONDARY ROOF DRAINAGE BRASS SCUPPER AND ROOF SCUPPER WITH PRE-FINISHED ALUMINUM DOWN SPOUT LOCATIONS ALONG EXTERIOR WALLS.
- E. SEE PLUMBING SHEETS FOR LOCATION OF GAS METER ALONG EXTERIOR WALL.
- F. SEE ELECTRICAL SHEETS FOR ELECTRICAL FIXTURE LOCATIONS ALONG EXTERIOR WALLS.

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PROJECT NO: 19337310		
 CURTIS MINER ARCHITECTURE 233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com		DATE: 12 JANUARY, 2020 PROJECT #: CMA 18-060 PROJ. MAN.: DBN CHECKED BY: DBN
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PROJECT: ANETH BUS BUILDING 10 FAIRWAY LOOP ANETH, UTAH 84510		SHEET: A202
SHEET DESCRIPTION: EXTERIOR ELEVATIONS		



(A1) A251 SCALE: 1" = 1'-0"



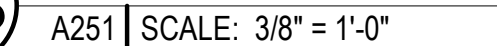
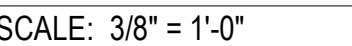
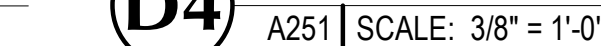
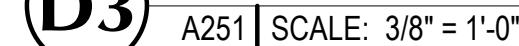
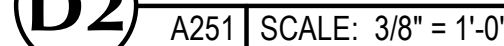
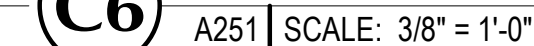
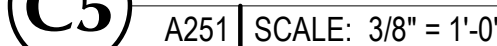
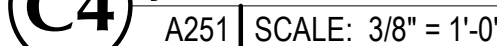
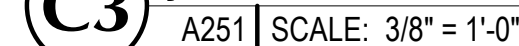
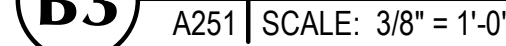
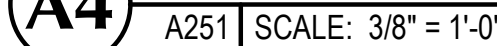
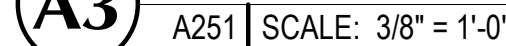
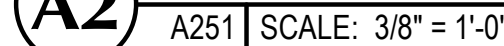
(B I) A251 | SCALE: 1" = 1'-0"



A251 SCALE: 1" = 1'-0"




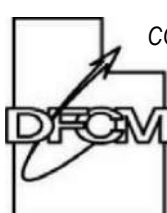

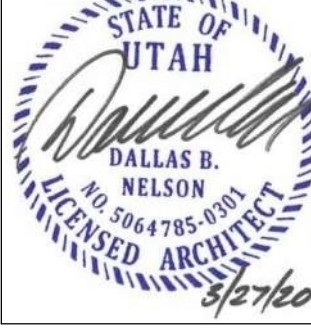
(D) A251 SCALE: 1" = 1'-0"



SHEET NOTES

- 12.07 UPPER CABINETS Range hood shall comply with
12.08 RANGE HOOD section 505 of the 2018 IMC

- A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ARCHITECT.
- B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES
- C. INTERIOR DRYWALL CORNERS TO BE SQUARE.
- D. WALL TYPES SHOWN DO NOT ADDRESS CERAMIC TILE INSTALLATION ON WALL SURFACES AS SHOWN ON THE FLOOR PLANS. REFER TO THE CURRENT EDITION OF THE HANDBOOK FOR CERAMIC TILE INSTALLATION PUBLISHED BY THE TILE COUNCIL OF AMERICA, INC., FOR PROPER INSTALLATION MATERIALS AND METHODS. TILE TO BE INSTALLED OVER TILE BACKER BOARD.
- E. SEE DETAILS D1/G002 AND D4/G002 FOR TYPICAL FIXTURE MOUNTING HEIGHTS. BLOCK WALLS AS REQUIRED FOR HANGING FIXTURES AND FURNISHINGS.
- F. PROVIDE BLOCKING IN WALLS AT ALL TOILETS AND SHOWERS FOR GRAB BARS. SEE DETAIL C4/G002.

<p>ANETH CHAPTER, NAVAJO NATION</p> <p>ANETH, UTAH</p>			
 <p>DIVISION OF FACILITIES CONSTRUCTION & MANAGEMENT 4110 STATE OFFICE BUILDING SALT LAKE CITY, UTAH 84114 PHONE: (801) 538-3018 FAX: (801) 538-3267</p>		<p>PROJECT NO: 19337310</p>	
 <p>323 SOUTH PLEASANT GROVE BLVD. SLUTE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com</p>		<p>DATE: 12 JANUARY, 2020 PROJECT #: CMA 18-060 PROJ. MAN.: DBN CHECKED BY: DBN</p> <p>THE INFORMATION HEREIN IS THE PROPERTY OF CURTIS MINER ARCHITECTURE AND MAY NOT BE REPRODUCED WITHOUT WRITTEN CONSENT. © 2020 CURTIS MINER ARCHITECTURE, LLC</p>	
<p>PROJECT:</p> <p>ANETH BUS BUILDING</p> <p>10 FAIRWAY LOOP ANETH, UTAH 84510</p>			
<p>SHEET DESCRIPTION:</p> <p>INTERIOR ELEVATIONS</p>		<p>SHEET:</p> <p>A251</p>	

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2

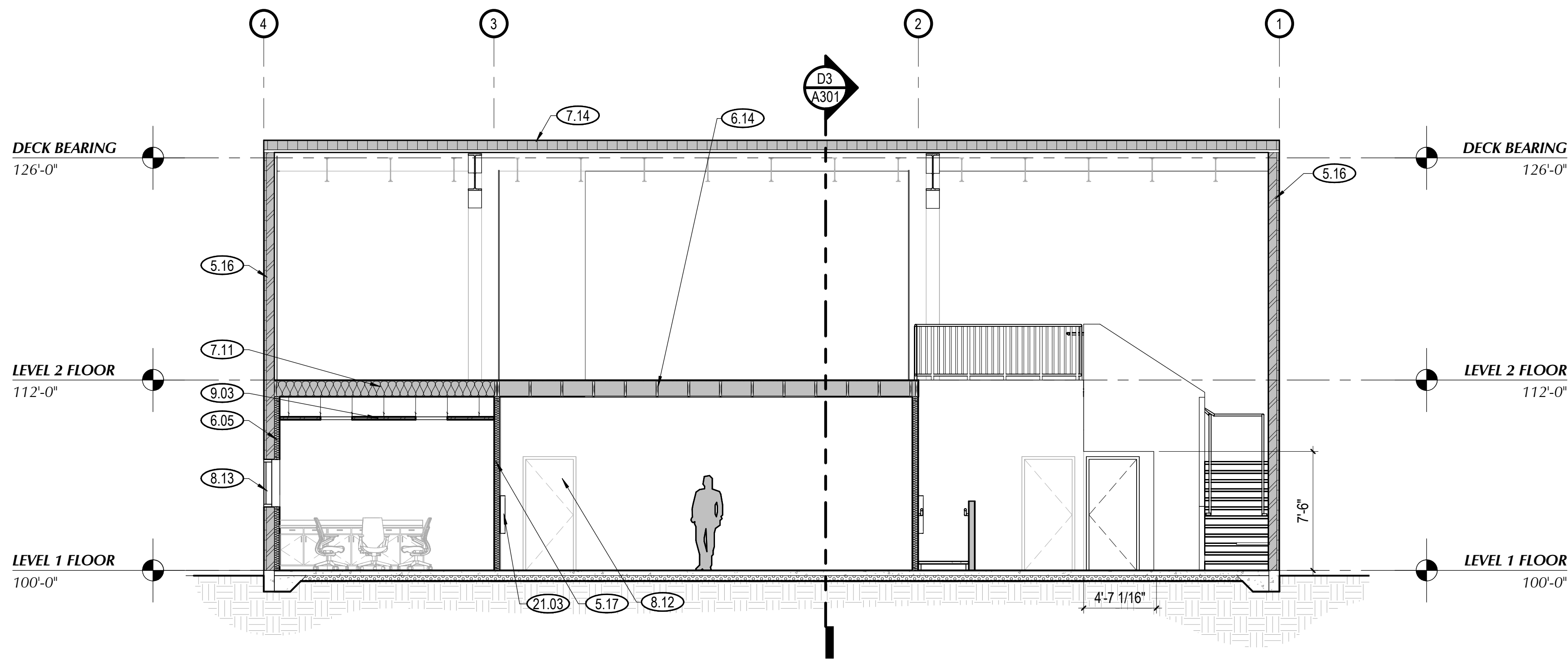
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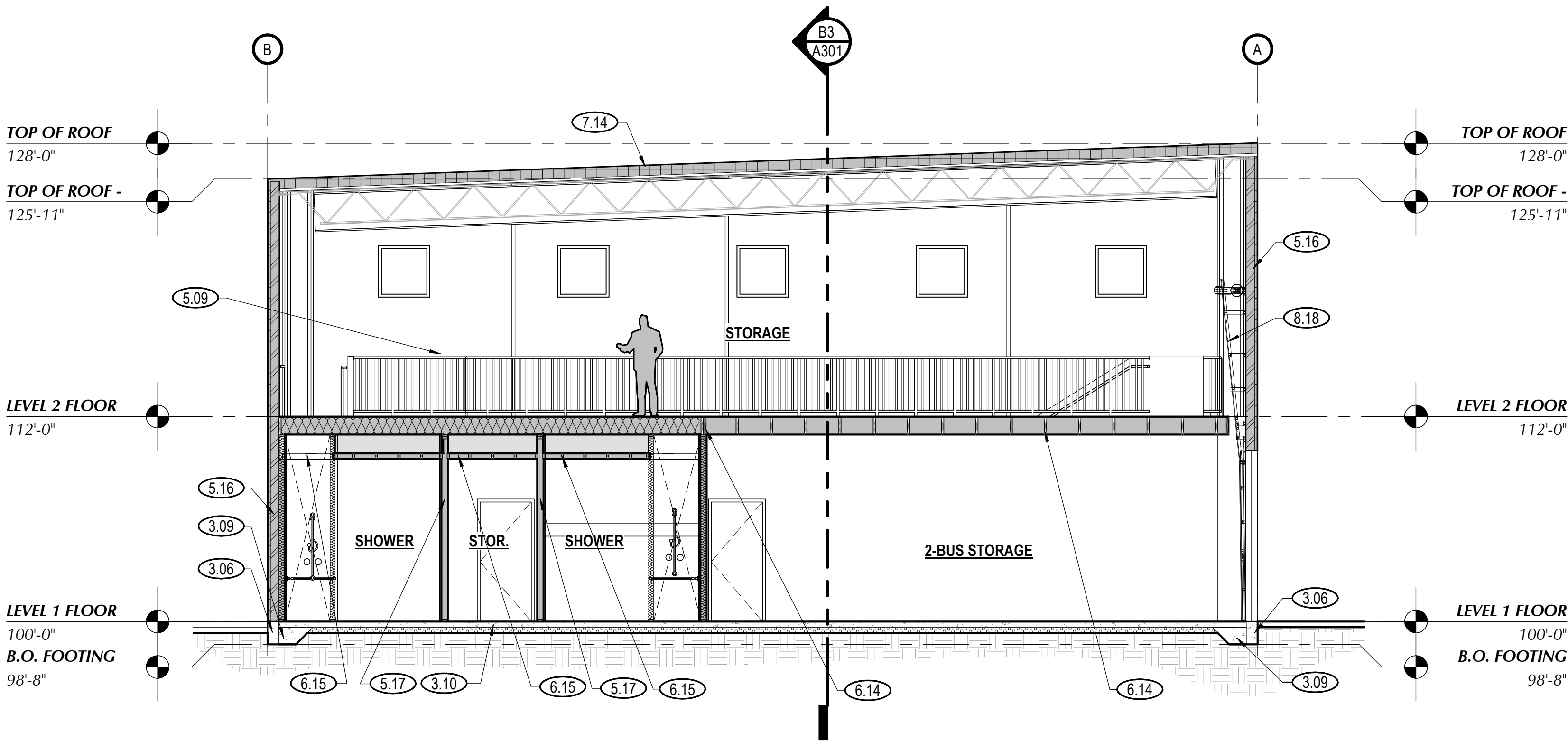
B



B3 BUILDING SECTION 01
A301 | SCALE: 3/16" = 1'-0"

C

D



D3 BUILDING SECTION 02
A301 | SCALE: 3/16" = 1'-0"

△	MARK	REVISION	DATE

SHEET NOTES

- 3.06 CONCRETE FOUNDATION WALL. SEE STRUCTURAL.
- 3.09 FOOTINGS TO REST ON NATIVE SOILS OR ENGINEERED FILL AS DETAILED BY THE GEOTECHNICAL STUDY.
- 3.10 6" CONCRETE SLAB OVER 4" FREE DRAINING GRAVEL OVER 10 MIL VAPOR RETARDER.
- 5.09 PAINTED STEEL GUARDRAIL. 42" MINIMUM ABOVE FINISHED FLOOR OR NOSE OF STAIRS. SEE TYPICAL DETAILS ON SHEET A453.
- 5.16 PAINTED METAL INSULATED PANELS
- 5.17 STAINLESS STEEL TOILET PARTITIONS
- 6.05 2 X WOOD STUD WALL FRAMING.
- 6.14 11 7/8" FLOOR JOIST, SEE STRUCTURAL
- 6.15 2X FRAMED CEILING W/ 5/8" TYP. X GYP BOARD, SEE RCP.
- 7.11 SOUND ATTENUATION BATT.
- 7.14 CLASS 'C' MINIMUM SINGLE-PLY TPO MEMBRANE ROOF OVER ONE LAYER ATLAS FR-10 SLIP SHEET OVER STRUCTURAL WOOD SHEATHING. 60 MIL, GRAY. INSTALL PER MANUFACTURER'S RECOMMENDATIONS FOR MECHANICALLY FASTENED SYSTEM. FULLY ADHERE TO VERTICAL SURFACES. TIE TPO MEMBRANE ROOF INTO "GRAVEL STOP" DRIP EDGE DETAIL AS SHOWN ON BUILDING SECTIONS.
- 8.12 DOOR. SEE DOOR SCHEDULE.
- 8.13 WINDOW. SEE WINDOW SCHEDULE.
- 8.18 OVERHEAD VERTICAL LIFT DOOR, SEE MANUFACTURER FOR DETAILS.
- 9.03 SUSPENDED ACOUSTIC CEILING
- 21.03 SEMI-RECESSED FIRE EXTINGUISHER CABINET WITH 2A10BC FIRE EXTINGUISHER INSIDE. SEE DETAIL D1/A702.

GENERAL NOTES

- A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, AND ASSEMBLIES PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
- B. AN AUTOMATIC FIRE SPRINKLER SYSTEM IS TO BE INSTALLED THROUGHOUT THE ENTIRE BUILDING PER NFPA 13.
- C. CONCRETE FOUNDATION WALLS RETAINING EARTH TO RECEIVE TWO COATS OF BITUMINOUS DAMP PROOFING MATERIAL.
- D. MINIMUM ROOF CLASSIFICATION TO BE CLASS 'C'.
- E. MINIMUM ROOF SLOPE TO BE 1/4" PER FOOT.
- F. INSULATE ENTIRE ROOF WITH R-30 POLYISOCYANURATE.
- G. EXPOSED FOUNDATION WALLS TO RECEIVE RUBBED FINISH.
- H. SEE ENGINEERING SHEETS FOR ADDITIONAL INFORMATION.
- J. MASONRY TO HAVE CONTROL JOINTS AT 30'-0" O.C. MAXIMUM.
- K. NOT ALL INTERIOR ELEMENTS ARE NOTED FOR CLARITY. SEE WALL SECTIONS, DETAILS, AND WALL TYPES FOR ADDITIONAL INFORMATION.

ANETH CHAPTER,
NAVAJO NATION
ANETH, UTAH

DIVISION OF FACILITIES
CONSTRUCTION & MANAGEMENT
4110 STATE OFFICE BUILDING
SALT LAKE CITY, UTAH 84114
PHONE: (801) 538-3018
FAX: (801) 538-3267

PROJECT NO: 19337310

233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
cma@cmautah.com

CURTIS MINER
ARCHITECTURE

DATE: 12 JANUARY, 2020
PROJECT #: CMA 18-060
PROJ. MAN.: DBN
CHECKED BY: DBN

STATE OF UTAH
DALLAS B. NELSON
7064785-0001
LICENSED ARCHITECT
3/2/20

PROJECT:
ANETH BUS BUILDING
10 FAIRWAY LOOP
ANETH, UTAH 84510

SHEET DESCRIPTION:
BUILDING SECTIONS

DATE: 12 JANUARY, 2020
PROJECT #: CMA 18-060
PROJ. MAN.: DBN
CHECKED BY: DBN

SHEET:
A301

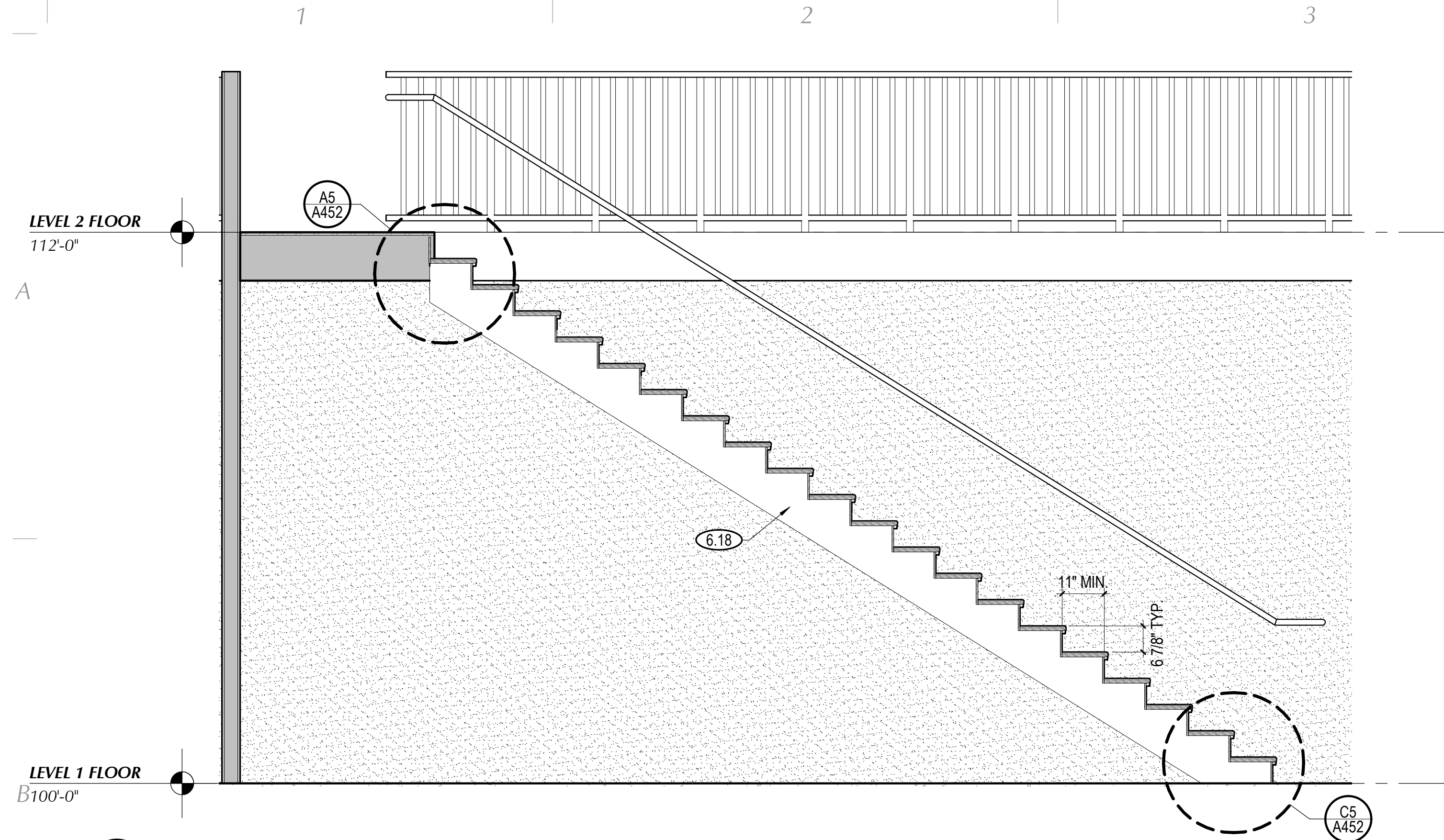
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10.12 ADA COMPLIANT FEMININE NAPKIN RECEPTACLE.
10.28 TOILET PAPER DISPENSER.
10.30 ADA COMPLIANT SURFACE MOUNTED HAND TOWEL HOLDER.
10.31 ADA COMPLIANT GRAB BARS.
22.03 ADA COMPLIANT TOILET.
22.06 SINK AND FAUCET.
22.11 MOP SINK WITH 34" LONG MOP AND BROOM HOLDER ABOVE.
22.18 URINAL

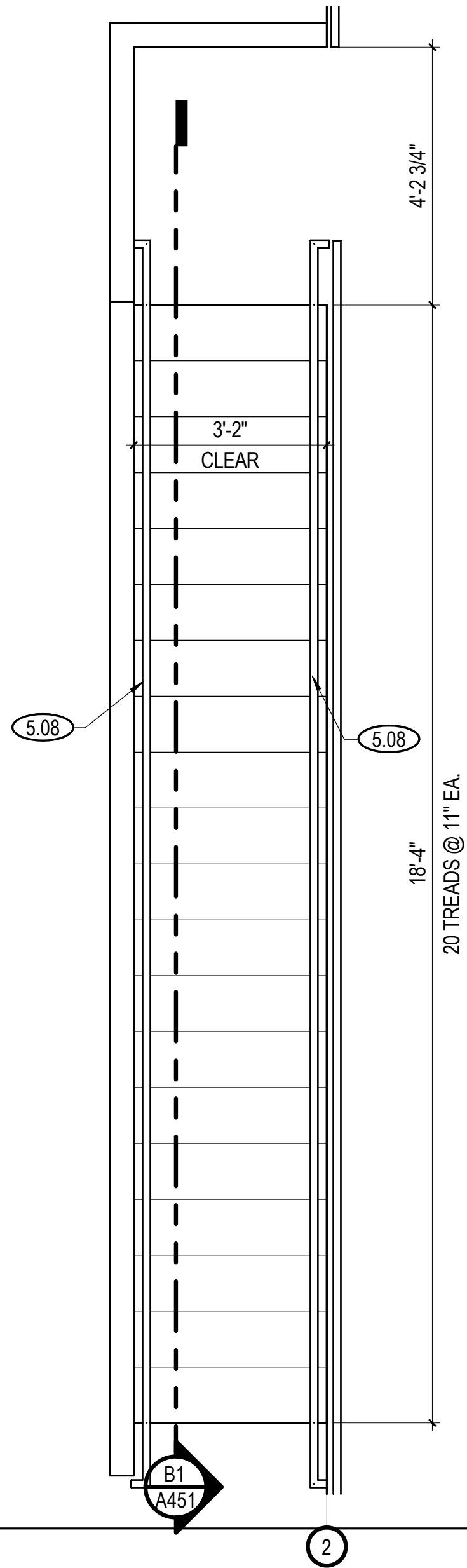
- A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
- B. COORDINATE INSTALLATIONS OF ALL "AFTER CONTRACT" ASSEMBLIES WITH OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
- C. PROVIDE 18" MINIMUM CLEAR FLOOR SPACE AT PULL SIDE OF ALL DOORS.
- D. PROVIDE 12" MINIMUM CLEAR FLOOR SPACE AT PUSH SIDE OF ALL DOORS.
- E. UNLESS OTHERWISE NOTED OR DIMENSIONED, LOCATE DOORS AS FOLLOWS: MASONRY WALLS- OUTSIDE OF FRAME 8" FROM FACE OF WALL (ON BLOCK MODULE), FRAMED WALLS-INSIDE OF JAMB 4" FROM FINISHED WALL (ADJUST FOR TILE WHERE SHOWN).
- F. SEE STRUCTURAL, MECHANICAL, AND ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
- G. SEE INTERIOR ELEVATIONS AND MILLWORK DETAILS ON A251 FOR FINISHES OF MILLWORK BASES, AND COUNTERTOPS.
- H. SEE SHEETS A151, AND A152 FOR REFLECTED CEILING PLAN INFORMATION.
- I. SEE SHEETS A101, AND A102 FOR FINISH INFORMATION. CONFIRM FINISHES WITH OWNER PRIOR TO ORDERING.
- J. SEE A601 AND A602 FOR DOOR AND WINDOW INFORMATION.
- K. GENERAL CONTRACTOR SHALL REVIEW AND APPROVE ALL APPLIANCES WITH OWNER PRIOR TO PURCHASING EQUIPMENT AND FABRICATING MILLWORK.
- L. SEE THE SPECIFICATION MANUAL FOR ADDITIONAL INFORMATION.
- M. SEE G001 FOR LEGENDS, SYMBOLS, ABBREVIATIONS AND OTHER ARCHITECTURAL GENERAL INFORMATION.
- N. PROVIDE BACKING/BLOCKING FOR WALL MOUNTED ITEMS-INCLUDING GRAB BARS, HANDRAILS, SIGNAGE AND EQUIPMENT AS REQUIRED.
- O. TILE IS TO BE SET OVER TILE BACKER GYP. BOARD. RECESS SLAB AS/IF REQUIRED. VERIFY WITH OWNER.
- P. DO NOT SCALE DRAWINGS

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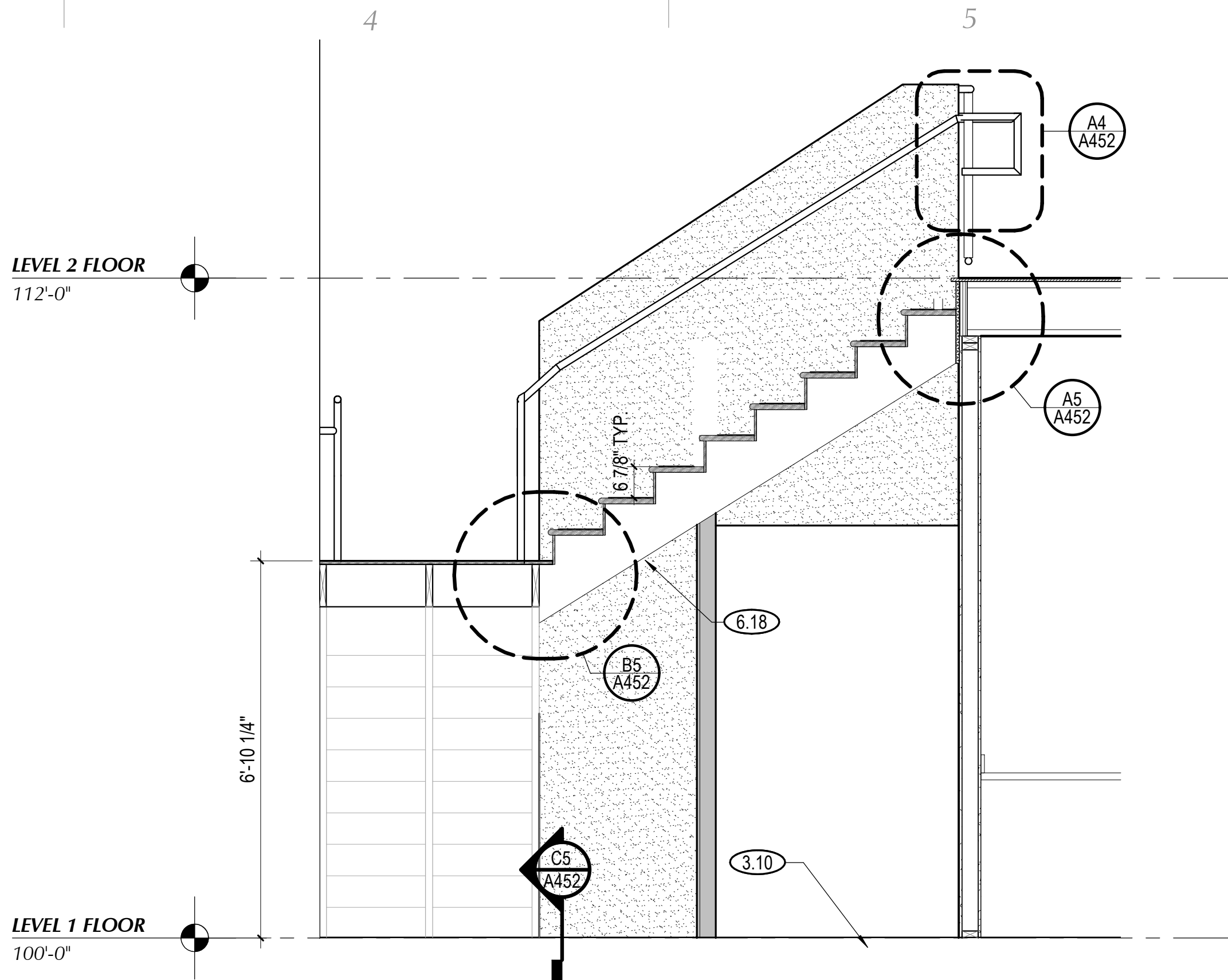
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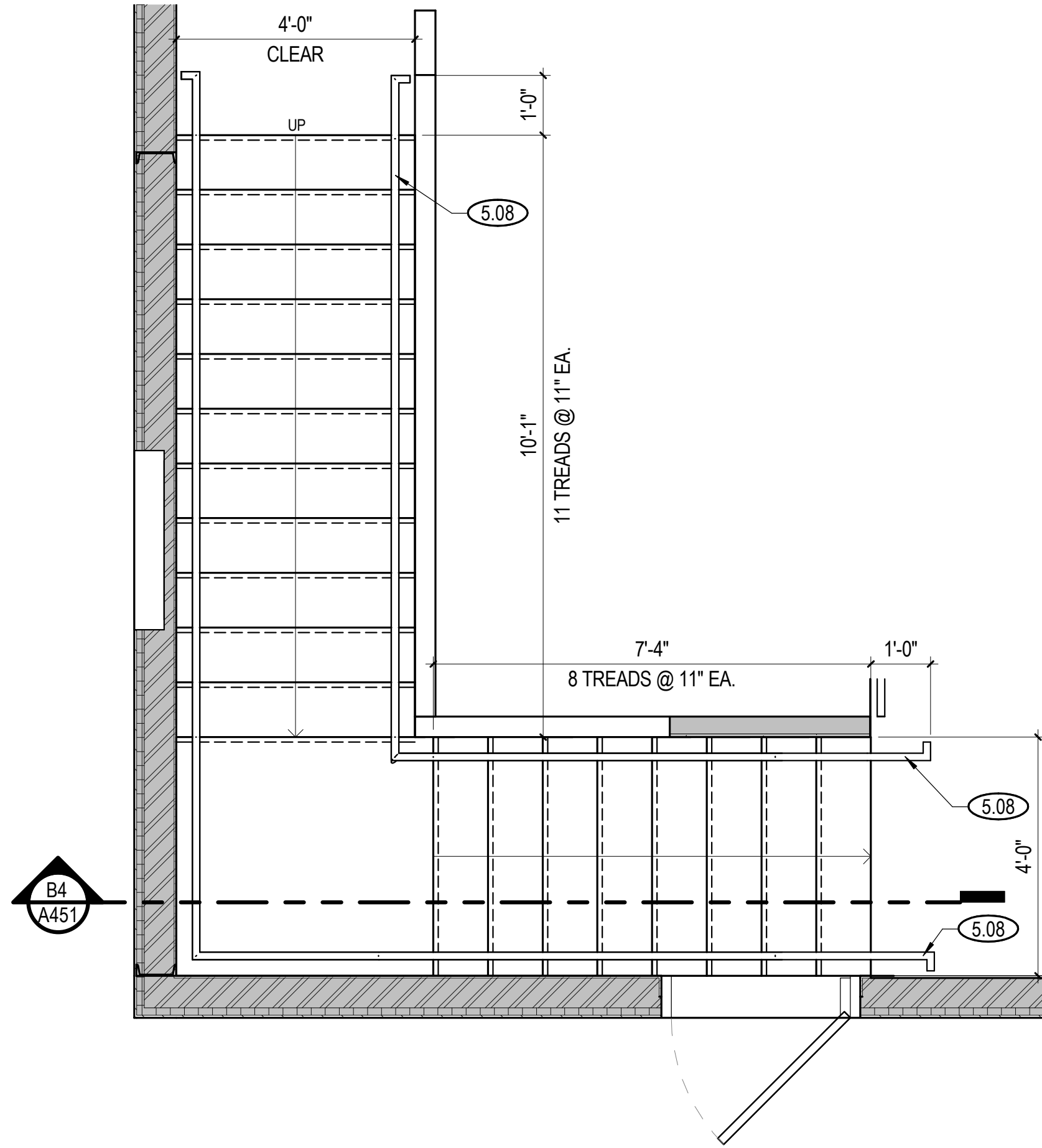
B1 STRAIGHT STAIR SECTION
A451 | SCALE: 1/2" = 1'-0"



D1 STRAIGHT STAIR PLAN
A451 | SCALE: 1/2" = 1'-0"



B4 STAIR SECTION
A451 | SCALE: 1/2" = 1'-0"



D4 STAIR PLAN
A451 | SCALE: 1/2" = 1'-0"





△	MARK	REVISION	DATE

SHEET NOTES

- 3.10 6" CONCRETE SLAB OVER 4" FREE DRAINING GRAVEL OVER 10 MIL VAPOR RETARDER.
- 5.08 PAINTED STEEL HANDRAIL. 36" ABOVE FINISHED FLOOR OR NOSE OF STAIRS. SEE TYPICAL DETAILS ON SHEET A453.
- 6.18 WOOD STRINGER, SEE STRUCTURAL FOR SIZE.

GENERAL NOTES

- A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, AND ASSEMBLIES PRIOR TO CONSTRUCTION. REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ARCHITECT.
- B. CONCRETE FOUNDATION WALLS RETAINING EARTH TO RECEIVE TWO COATS OF BITUMINOUS DAMP PROOFING MATERIAL.
- C. MINIMUM ROOF CLASSIFICATION TO BE CLASS 'C' AS NOTED ON THE CODE ANALYSIS
- D. EXPOSED FOUNDATION WALLS TO RECEIVE RUBBED FINISH.
- E. SEE ENGINEERING SHEETS FOR ADDITIONAL INFORMATION.
- F. COORDINATE INSTALLATION OF ALL "AFTER CONTRACT" ASSEMBLIES WITH THE OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
- G. PROVIDE METAL FLASHING AND COUNTER FLASHING AS REQUIRED TO PROVIDE WATERPROOF BUILDING. NO PLASTIC FLASHING ALLOWED.
- H. WALL TYPES ARE ON SHEET G003.
- I. SEE A151 & A152 SHEETS FOR REFLECTED CEILING PLANS.
- J. SEE AF100 SHEETS FOR FURNISHINGS AND FINISH SCHEDULE.
- K. ALL STEEL STAIR COMPONENTS SHALL BE GROUND SMOOTH AND PAINT (2 COATS MINIMUM).
- L. CONTRACTOR SHALL BE RESPONSIBLE TO ASSURE THAT ALL GUARD AND HANDRAIL SYSTEMS SHALL MEET IBC STRENGTH REQUIREMENTS.
- M. PROVIDE HANDRAIL BRACKET SUPPORTS AS REQUIRED. ATTACH DIRECTLY PROVIDE BLOCKING/ METAL BACKING WHEN ATTACHING TO FRAMED WALLS. FASTEN FRAMED WALL CONDITIONS AS REQUIRED. WELD TO VERTICAL STEEL BALUSTERS AS REQUIRED.

ANETH CHAPTER, NAVAJO NATION ANETH, UTAH		 REVIEWED FOR CODE COMPLIANCE SIGNATURE: [Signature] DATE: 05/09/2020
 DIVISION OF FACILITIES CONSTRUCTION & MANAGEMENT 4110 STATE OFFICE BUILDING SALT LAKE CITY, UTAH 84114 PHONE: (801) 538-3018 FAX: (801) 538-3267		
PROJECT NO: 19337310		
 CURTIS MINER ARCHITECTURE 233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com		DATE: 12 JANUARY, 2020 PROJECT #: CMA 18-060 PROJ. MAN.: DBN CHECKED BY: DBN
PROJECT: ANETH BUS BUILDING 10 FAIRWAY LOOP ANETH, UTAH 84510		 DALLAS B. NELSON REGISTERED ARCHITECT #064785-0001 3/27/20
SHEET DESCRIPTION: STAIR PLANS AND SECTIONS		SHEET: A451

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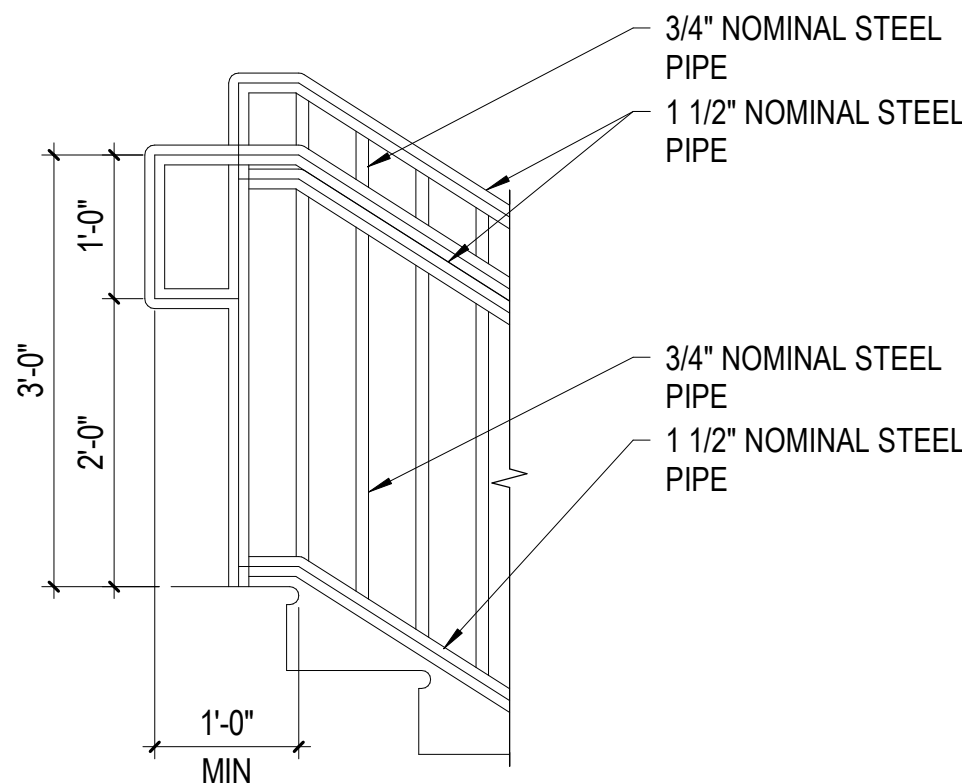
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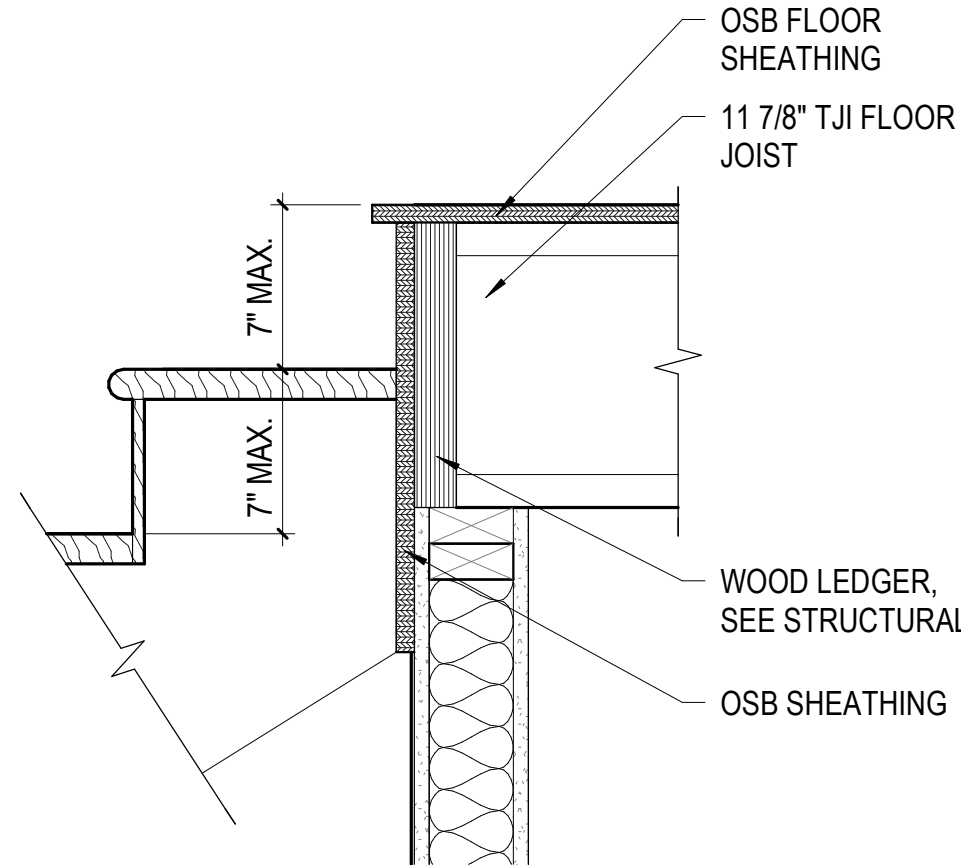
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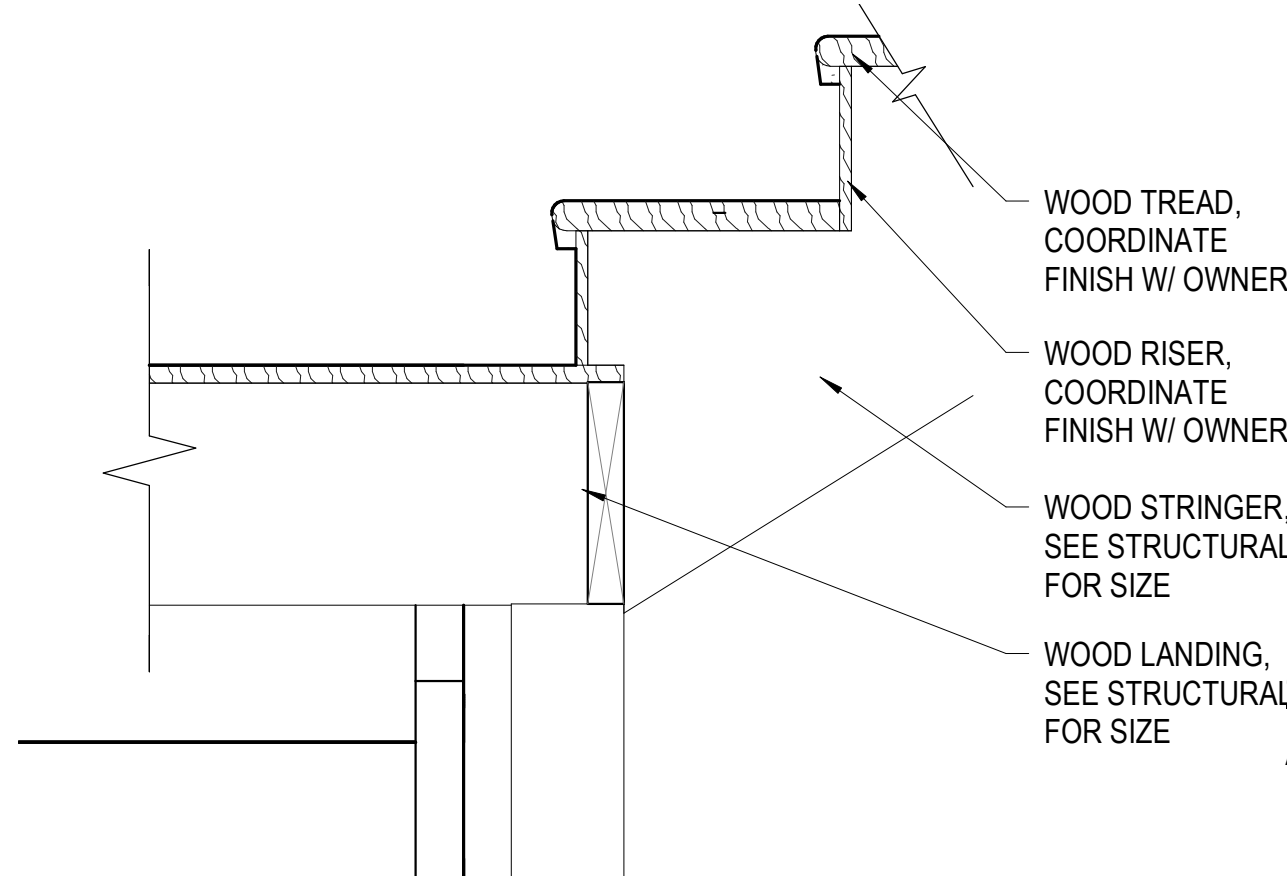
△	MARK	REVISION	DATE



A4 PIPE GUARDRAIL DETAIL
A452 | SCALE: 3/4" = 1'-0"



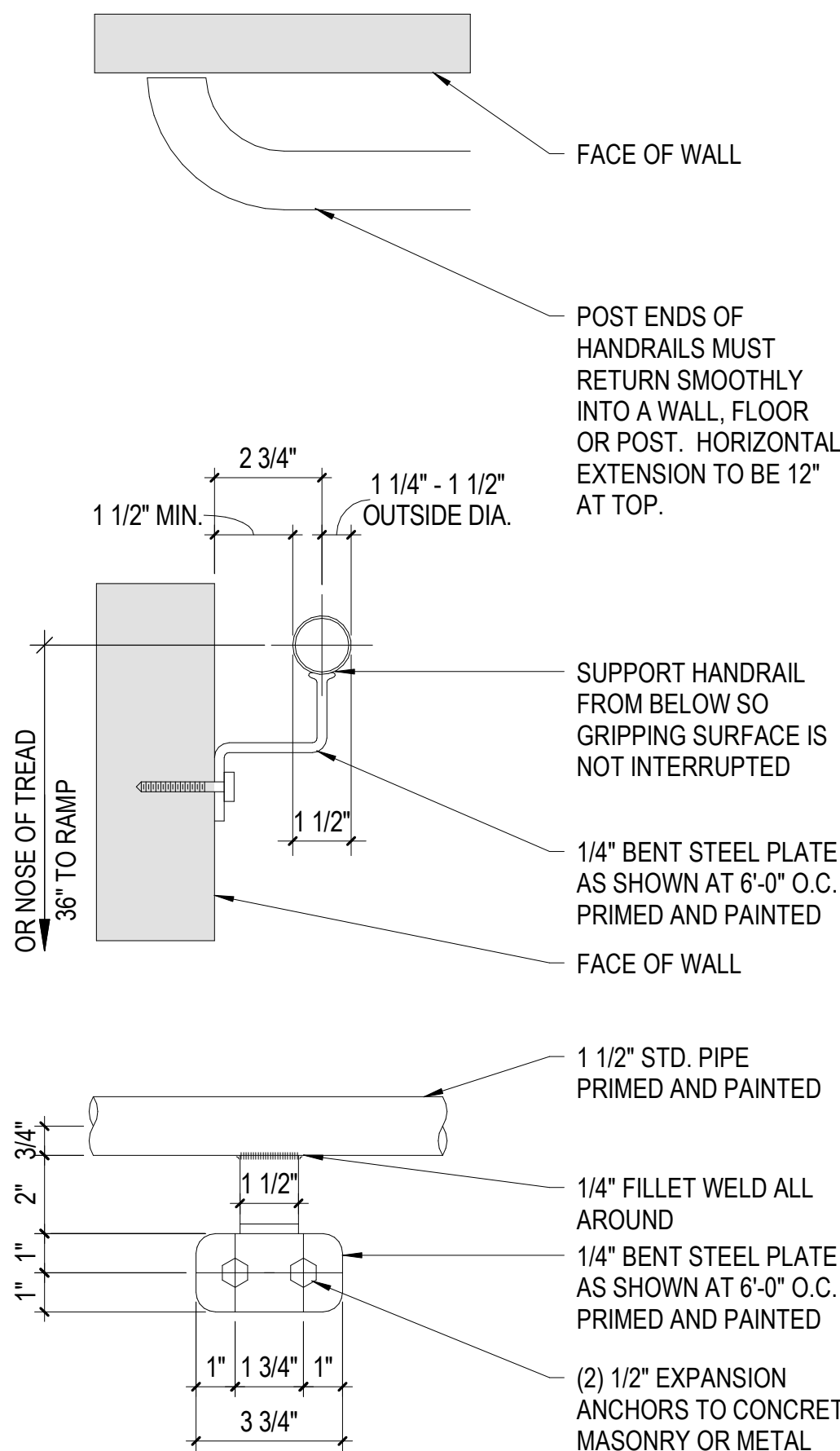
A5 STAIR TOP DETAIL
A452 | SCALE: 1 1/2" = 1'-0"



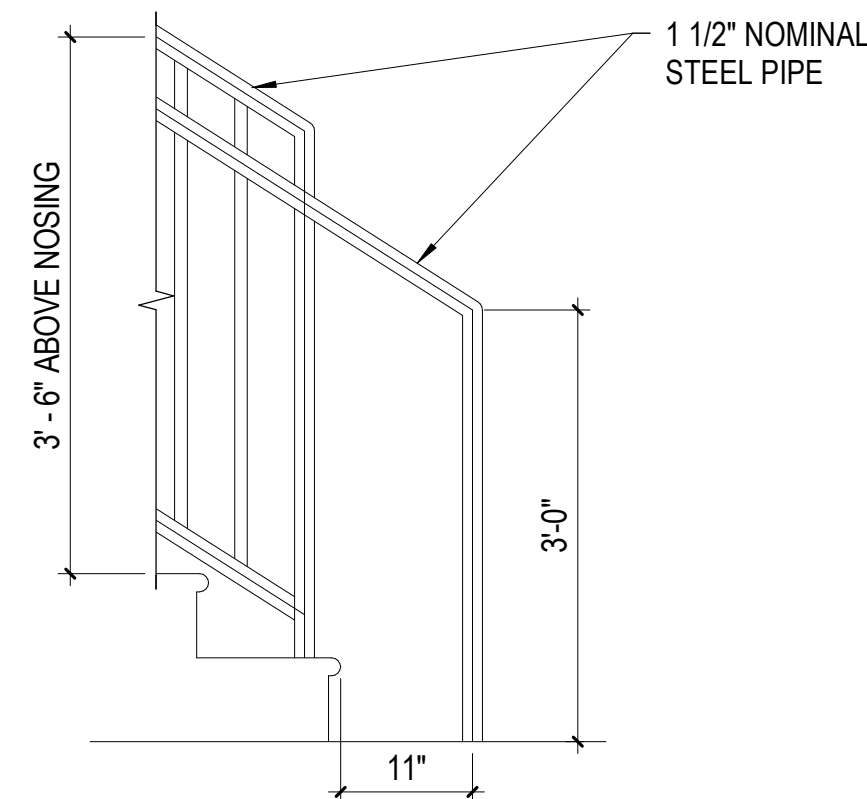
B5 STAIR LANDING DETAIL
A452 | SCALE: 1 1/2" = 1'-0"

GENERAL NOTES

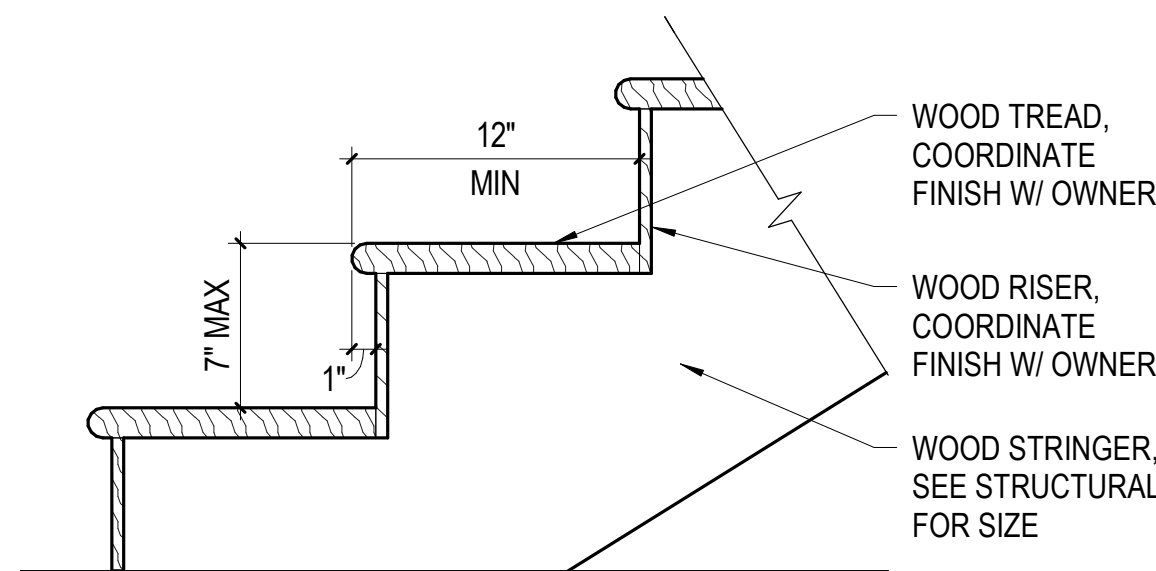
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- CONCRETE FOUNDATION WALLS RETAINING EARTH TO RECEIVE TWO COATS OF BITUMINOUS DAMP PROOFING MATERIAL.
- MINIMUM ROOF CLASSIFICATION TO BE CLASS 'C' AS NOTED ON THE CODE ANALYSIS
- EXPOSED FOUNDATION WALLS TO RECEIVE RUBBED FINISH.
- SEE ENGINEERING SHEETS FOR ADDITIONAL INFORMATION.
- COORDINATE INSTALLATION OF ALL "AFTER CONTRACT" ASSEMBLIES WITH THE OWNER PRIOR TO CONSTRUCTION OF ADJOINING OR RELATED STRUCTURES.
- PROVIDE METAL FLASHING AND COUNTER FLASHING AS REQUIRED TO PROVIDE WATERPROOF BUILDING. NO PLASTIC FLASHING ALLOWED.
- WALL TYPES ARE ON SHEET G003.
- SEE A151 & A152 SHEETS FOR REFLECTED CEILING PLANS.
- SEE AF100 SHEETS FOR FURNISHINGS AND FINISH SCHEDULE.
- ALL STEEL STAIR COMPONENTS SHALL BE GROUND SMOOTH AND PAINT (2 COATS MINIMUM).
- CONTRACTOR SHALL BE RESPONSIBLE TO ASSURE THAT ALL GUARD AND HANDRAIL SYSTEMS SHALL MEET IBC STRENGTH REQUIREMENTS.
- PROVIDE HANDRAIL BRACKET SUPPORTS AS REQUIRED. ATTACH DIRECTLY PROVIDE BLOCKING/ METAL BACKING WHEN ATTACHING TO FRAMED WALLS. FASTEN FRAMED WALL CONDITIONS AS REQUIRED. WELD TO VERTICAL STEEL BALUSTERS AS REQUIRED.



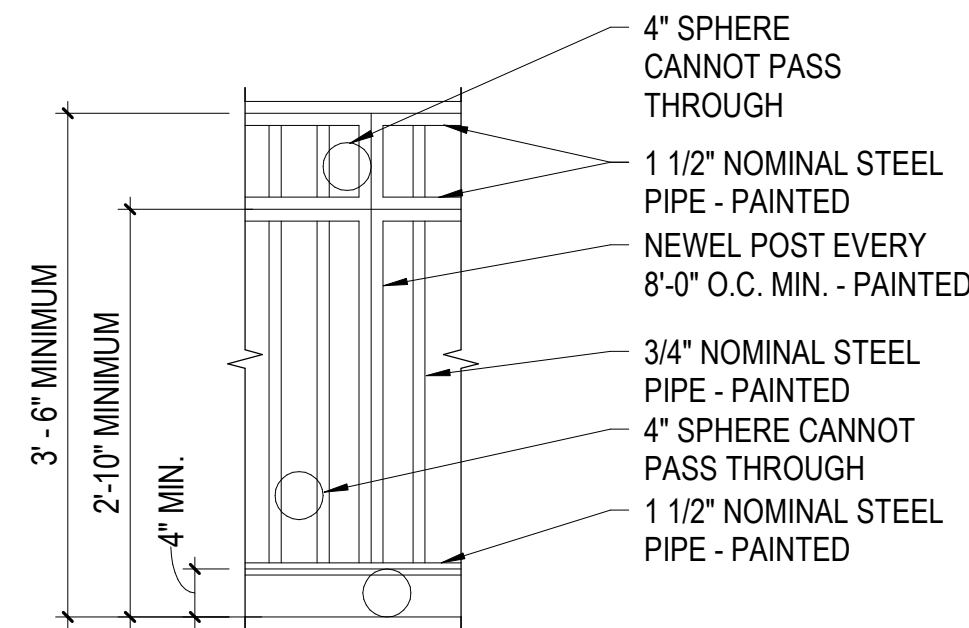
D3 PIPE HANDRAIL DETAIL
A452 | SCALE: 3" = 1'-0"



D4 PIPE HANDRAIL DETAIL
A452 | SCALE: 3/4" = 1'-0"



C5 STAIR BASE DETAIL
A452 | SCALE: 1 1/2" = 1'-0"

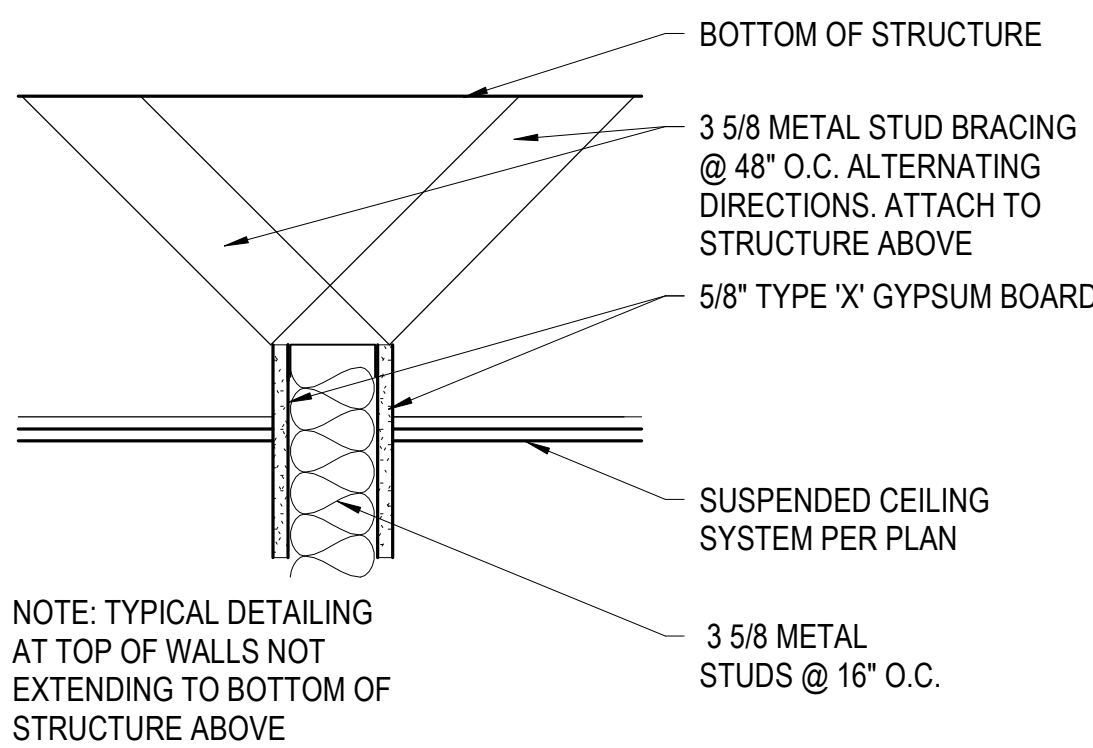
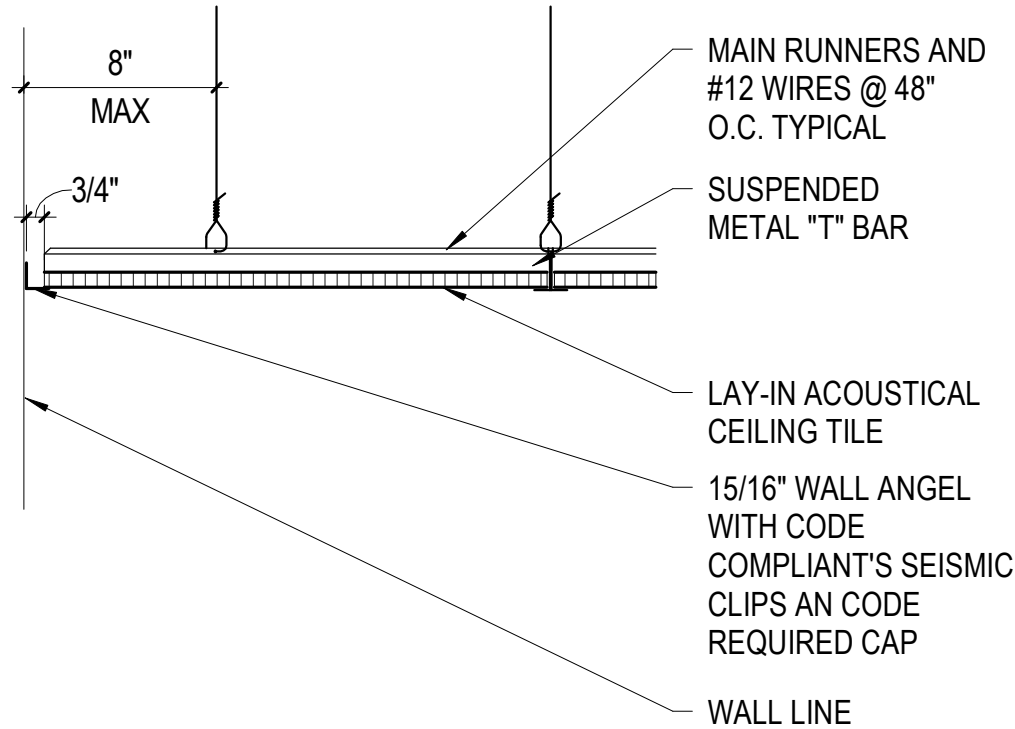
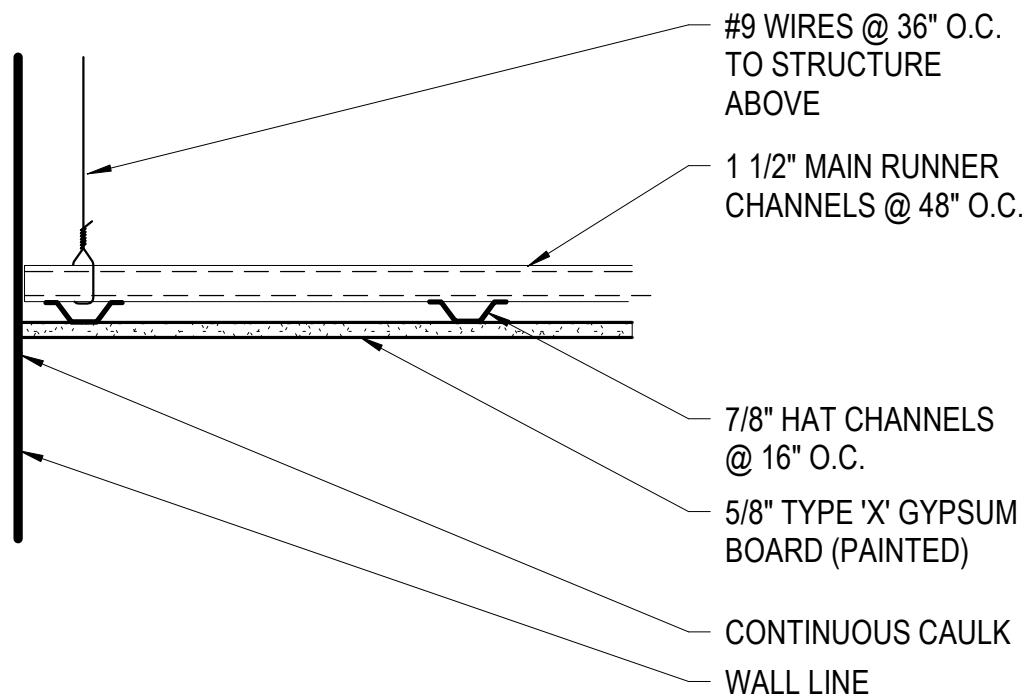


D5 GUARDRAIL DETAIL
A452 | SCALE: 3/4" = 1'-0"

ANETH CHAPTER, NAVAJO NATION ANETH, UTAH		
 DIVISION OF FACILITIES CONSTRUCTION & MANAGEMENT 4110 STATE OFFICE BUILDING SALT LAKE CITY, UTAH 84114 PHONE: (801) 538-3018 FAX: (801) 538-3267		
PROJECT NO: 19337310		
 CURTIS MINER ARCHITECTURE 233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com		DATE: 12 JANUARY, 2020 PROJECT #: CMA 18-060 PROJ. MAN.: DBN CHECKED BY: DBN
PROJECT: ANETH BUS BUILDING 10 FAIRWAY LOOP ANETH, UTAH 84510		
SHEET DESCRIPTION: STAIR DETAILS		SHEET: A452

△	MARK	REVISION	DATE

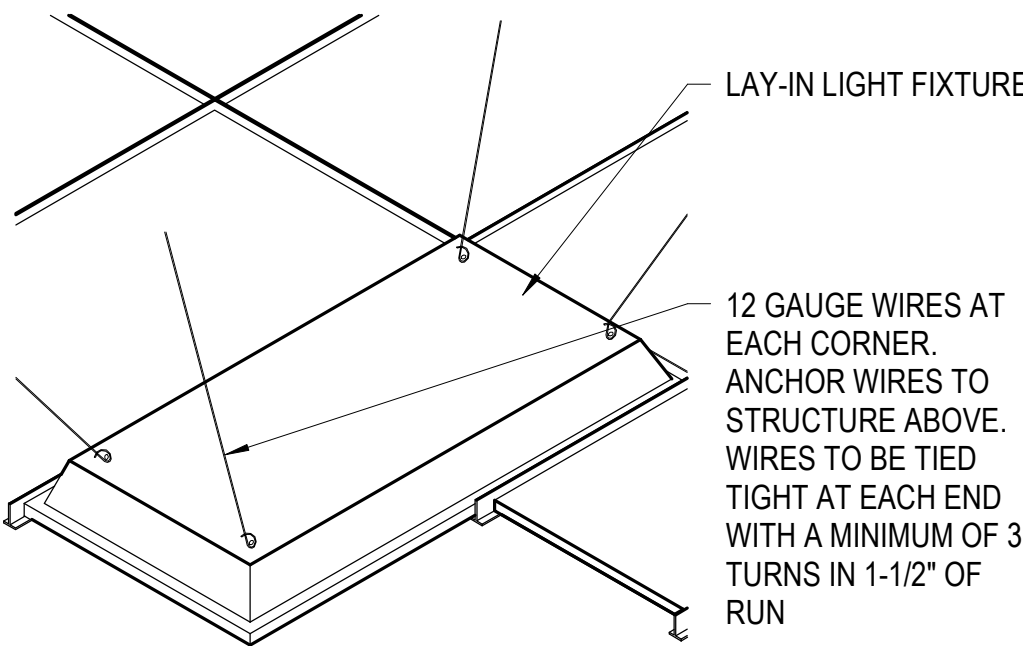
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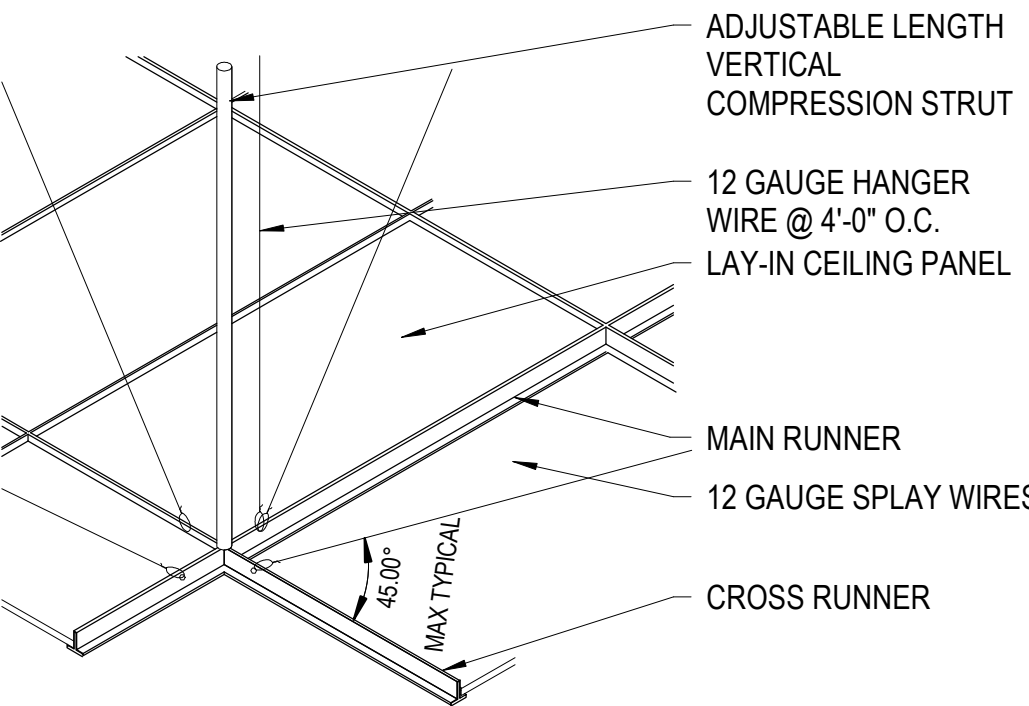
SUSPENDED CEILING SYSTEM NOTES

1. SUSPENDED CEILING SYSTEMS SHALL BE INSTALLED IN COMPLIANCE WITH IBC 808.1.1.1, ASTM C635/636, ASCE 7, AND CISCA 3-4.
2. ALL CEILINGS ARE TO HAVE VERTICAL COMPRESSION STRUTS, SEISMIC BRACING, HANGERS, ETC., AS REQUIRED BY IBC, ASCE 7, AND CISCA 3-4.
3. HEAVY DUTY T-BAR SYSTEM WITH PERIMETER SUPPORTING CLOSURE ANGLE AND CODE COMPLIANT SEISMIC CLIPS IS REQUIRED. ATTACHED ONE END OF THE CEILING GRID TO THE CLOSURE ANGLE IN EACH DIRECTION, THE OTHER END IN EACH HORIZONTAL DIRECTION SHALL HAVE 3/4" CLEARANCE FROM THE WALL AND SHALL REST UPON THE BE FREE TO SLIDE ON THE CLOSURE ANGLE.
4. SPLAY WIRES AS REQUIRED BY IBC, ASCE 7, AND CISCA 3-4. ALL SPLAY WIRES ARE TO BE IN LINE WITH ATTACHED COMPONENT AND ARE TO BE TIED TIGHT AT EACH END WITH A MINIMUM OF 3 TURNS IN 1-1/2" OF RUN.
5. ANCHOR WIRES ONLY TO STRUCTURAL MEMBERS AND DECKING IN AN APPROVED MANNER PER CISCA 3-4 DO NOT ANCHOR TO BRIDGING. WIRES SHALL NOT ATTACH TO OR BEND AROUND INTERFERING MATERIAL OR EQUIPMENT, NOT SHALL THEY BE LESS THAN 6" TO ANY UNBRACED HORIZONTAL PIPING OR DUCTWORK, A TRAPEZE OR SIMILAR DEVICE SHALL BE USED WHERE OBSTRUCTIONS OCCUR.
6. SUPPORT ALL RUNNERS AT 8" MAXIMUM FROM WALL OR CEILING DISCONTINUITY.
7. FOUR-WAY DIAGONAL BRACING AND COMPRESSION STRUTS 12"-0" O.C. EACH WAY.
8. PROVIDE CEILING DIAGONAL RESTRAINT TO THE STRUCTURE ABOVE FOR CEILING AREAS GREATER THAN 1,000 SQUARE FEET TO MINIMIZE DIAPHRAGM LOADS.
9. PROVIDE SEISMIC SEPARATION JOINTS OR FULL HEIGHT PARTITIONS FOR CEILING AREAS GREATER THAN 2,500 SQUARE FEET.
10. CHANGES IN CEILING PLANE ELEVATION SHALL BE PROVIDED WITH POSITIVE BRACING.
11. CABLE TRAYS AND ELECTRICAL CONDUITS SHALL BE SUPPORTED AND BRACED INDEPENDENT FROM THE SUSPENDED CEILING SYSTEM.
12. PROVIDE 2" OVERSIZE RINGS, SLEEVES OR ADAPTERS THROUGH THE CEILING TILE TO ALLOW FOR FREE MOVEMENT FOR AT LEAST 1" MOVEMENT IN ALL DIRECTIONS FOR FIRE SPRINKLER HEADS AND OTHER SIMILAR PENETRATIONS.
13. SPECIAL INSPECTION REQUIRED OF SUSPENDED CEILING SYSTEMS.

B3 **SUSPENDED GYP BOARD CEILING**
A501 SCALE: 1 1/2" = 1'-0"




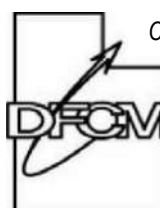


B4 **ACOUSTICAL CEILING DETAIL**
A501 SCALE: 1 1/2" = 1'-0"



B5 **WALL BRACING DETAIL**
A501 | SCALE: 1 1/2" = 1'-0"

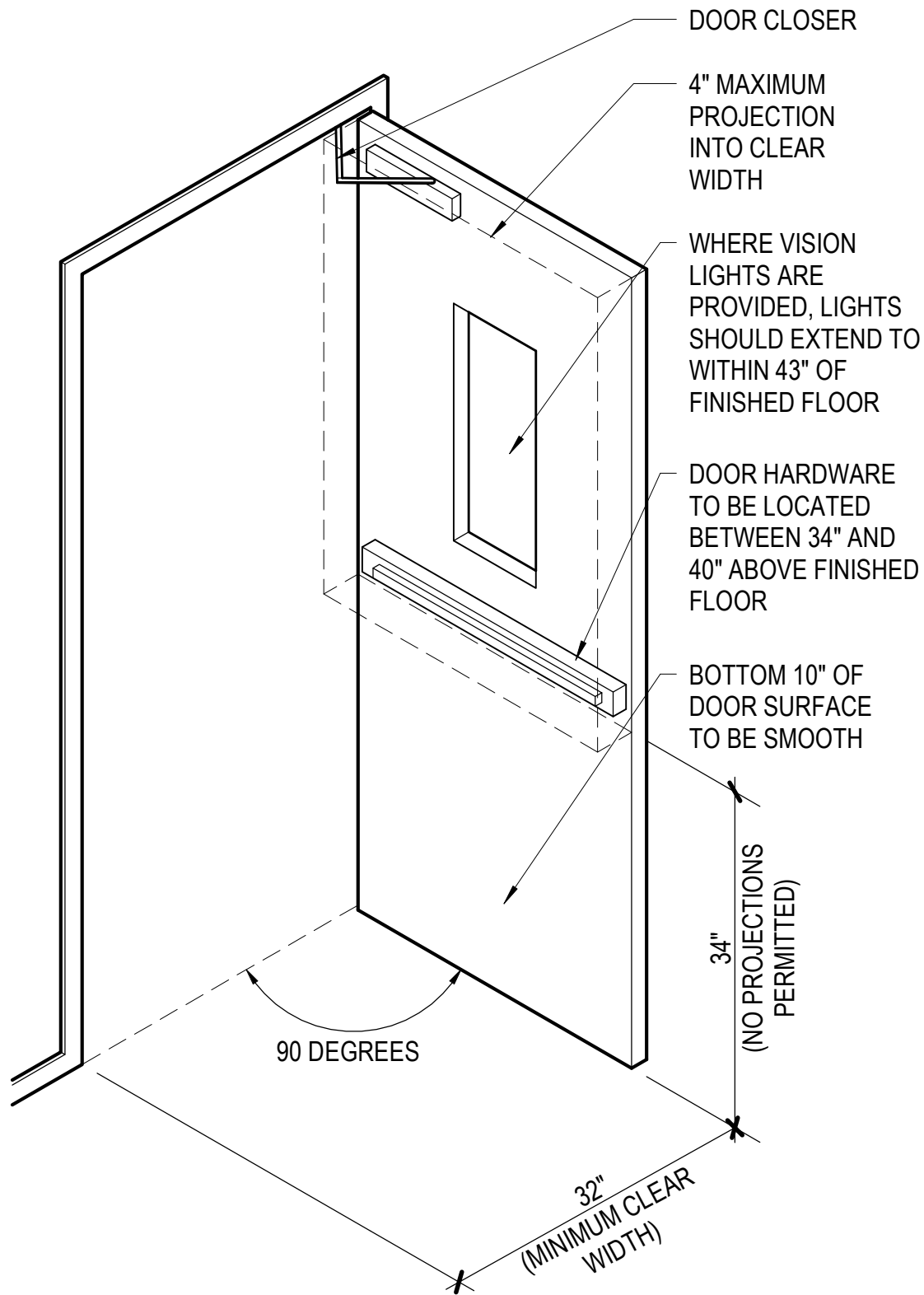
C3 SEISMIC LIGHT DETAIL
A501 SCALE: 1 1/2" = 1'-0"

C4 SEISMIC CEILING DETAIL

<p>ANETH CHAPTER, NAVAJO NATION</p> <p>ANETH, UTAH</p>			
 <p>DIVISION OF FACILITIES CONSTRUCTION & MANAGEMENT 4110 STATE OFFICE BUILDING SALT LAKE CITY, UTAH 84114 PHONE: (801) 538-3018 FAX: (801) 538-3267</p>		<p>PROJECT NO: 19337310</p>	
 <p>233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com</p>		<p>DATE: 12 JANUARY, 2020 PROJECT #: CMA 18-060 PROJ. MAN.: DBN CHECKED BY: DBN</p>	
<p>PROJECT:</p> <p>ANETH BUS BUILDING</p> <p>10 FAIRWAY LOOP ANETH, UTAH 84510</p>			
<p>SHEET DESCRIPTION:</p> <p>ARCHITECTURAL DETAILS</p>		<p>SHEET:</p> <p>A501</p>	

\\CMA-DAT\TA01\CMA_Jobs\CMA_Jobs2018\18-060 DFCM Aneth UT Bus Building\11 Revit\18-060 DFCM Aneth UT Shop & Warehouse_CENTRAL - 2020-3-27.rvt
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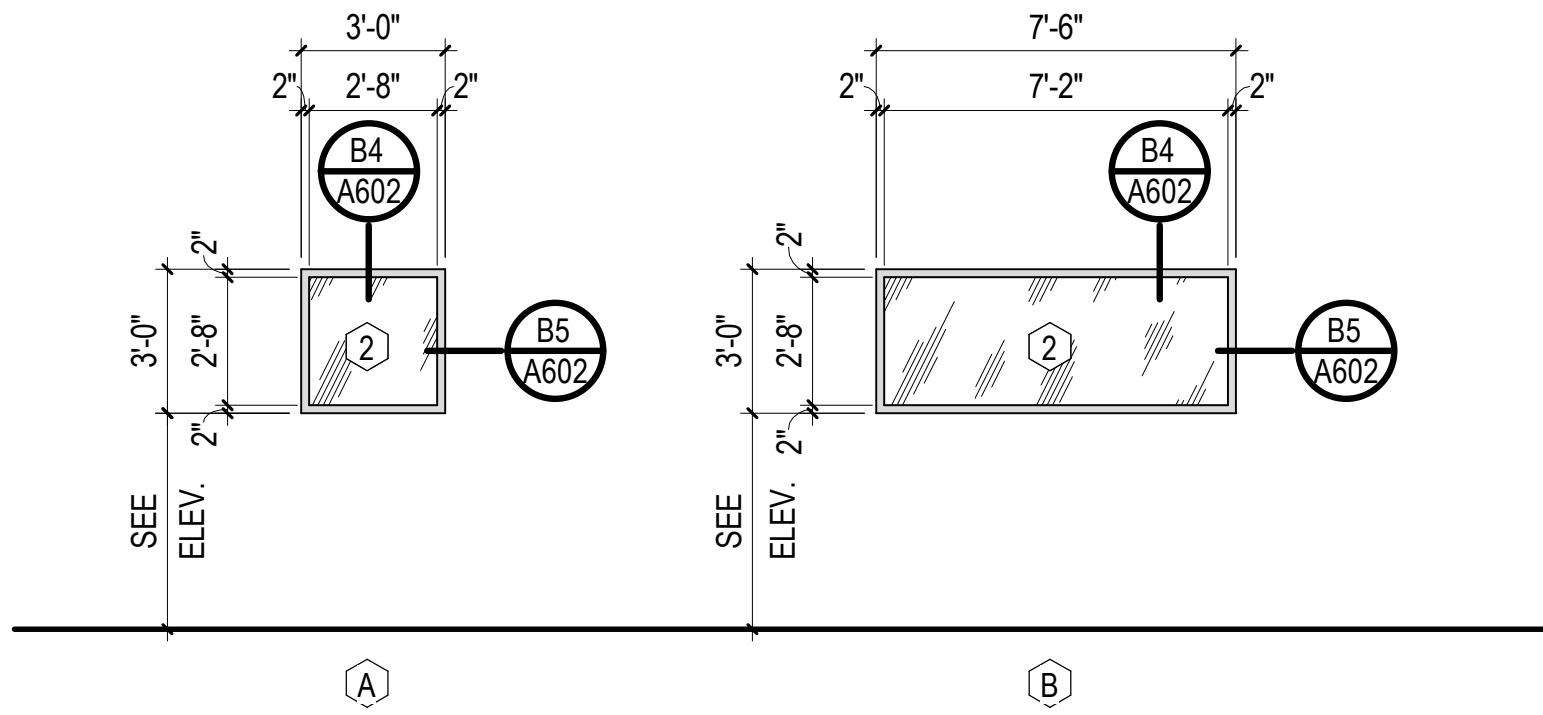
DOOR HARDWARE					
HARDWARE GROUP 1 (128)					
3	EA	HINGE	SBB1 4.5x4.5 NRP	630	IVE
1	EA	POWER TRANSFER	EPT-10	689	VON
1	EA	PANIC HARDWARE	ELXP98TP	626	VON
1	EA	RIM CYLINDER	20-057	626	SCH
1	EA	SURFACE CLOSER	4041 SCUSH x 30x61	689	LCN
1	EA	KICK PLATE	8400 10"x2" LDW	630	IVE
1	SET	SEALS	700SA	AL	NGP
1	EA	DOOR SWEEP	C627A	AL	NGP
1	EA	THRESHOLD	425HD	AL	NGP
1	EA	POWER SUPPLY	PS873-2	GRY	VON
1		CARD READER BY SECURITY INTEGRATOR		-	B/O
NOTES					



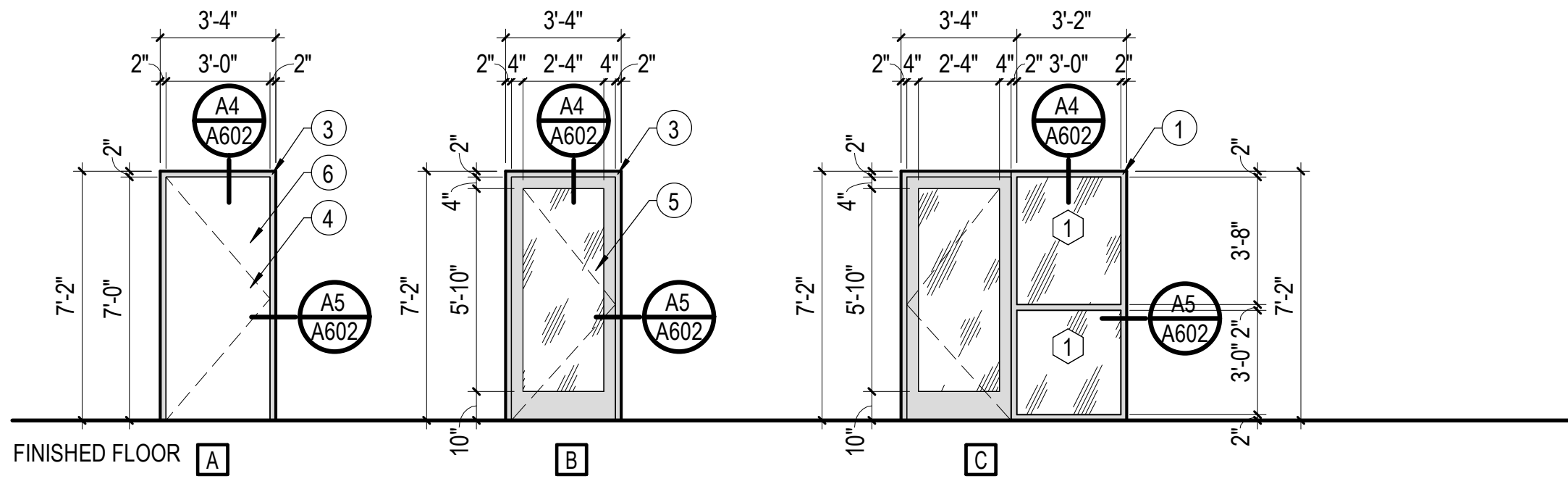
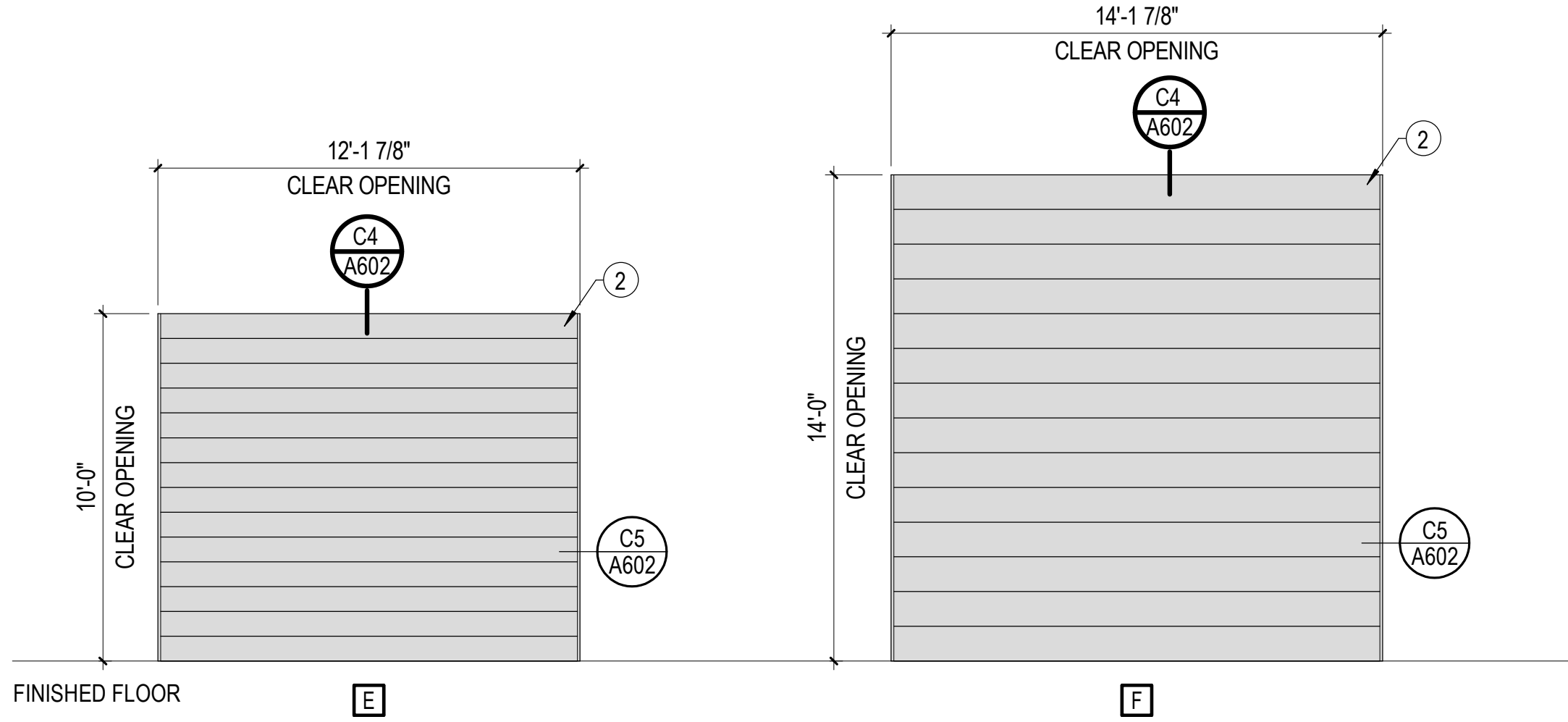
NOTE: HARDWARE TO BE OPERATED WITH ONE HAND, WITHOUT TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THRESHOLDS ARE LIMITED TO 1/2" MAXIMUM HEIGHT. INTERIOR DOORS, OTHER THAN FIRE DOORS, SHOULD BE ABLE TO BE OPERATED WITH 5 POUNDS OF FORCE. EXTERIOR DOOR AND FIRE DOORS ARE REGULATED BY THE AUTHORITY HAVING JURISDICTION. REFER TO ANSI STANDARD A117.1 FOR APPROACH REQUIREMENTS.

C2 ACCESSIBLE DOOR

A601 | SCALE: 1/4" = 1'-0"



DOOR SCHEDULE										
MARK	TYPE	DOOR SIZE			MATERIAL		HARDWARE	SWING	RATING	COMMENTS
		WIDTH	HEIGHT	THICK	DOOR	FRAME				
LEVEL 1 FLOOR										
101	C	3'-0"	7'-0"	2"	ALUM	ALUM		RHR		
102a	A	3'-0"	7'-0"	1 3/4"	WOOD	HM		RH		
102b	A	3'-0"	7'-0"	1 3/4"	WOOD	HM		RH		
103a	B	3'-0"	7'-0"	2"	WOOD	HM		LHR		
103b	A	3'-0"	7'-0"	1 3/4"	WOOD	HM		RH		
104	A	3'-0"	7'-0"	1 3/4"	WOOD	HM		LH		
105a	B	3'-0"	7'-0"	2"	ALUM	ALUM		RHR		
105b	A	3'-0"	7'-0"	1 3/4"	WOOD	HM		RH		
106	A	3'-0"	7'-0"	1 3/4"	WOOD	HM		RH		
107	A	3'-0"	7'-0"	1 3/4"	WOOD	HM		LH		
108	A	3'-0"	7'-0"	1 3/4"	HM	HM		RHR		
109	A	3'-0"	7'-0"	1 3/4"	WOOD	HM		LHR		
110	A	3'-0"	7'-0"	1 3/4"	WOOD	HM		LH		
111	A	3'-0"	7'-0"	1 3/4"	WOOD	HM		RH		
112a	E	12'-0"	10'-0"	2"	HM	HM				GARAGE DOOR, VERTICAL LIFT
112b	E	12'-0"	10'-0"	2"	HM	HM				GARAGE DOOR, VERTICAL LIFT
113a	F	14'-0"	14'-0"	2"	HM	HM				GARAGE DOOR, VERTICAL LIFT
113b	A	3'-0"	7'-0"	1 3/4"	WOOD	HM		LHR		
113C	A	3'-0"	7'-0"	1 3/4"	WOOD	HM		LH		
113d	A	3'-0"	7'-0"	1 3/4"	ALUM	ALUM		RHR		
113E	A	3'-0"	7'-0"	1 3/4"						
114a	A	3'-0"	7'-0"	1 3/4"						



D4 DOOR TYPES

A601 | SCALE: 1/4" = 1'-0"

△	MARK	REVISION	DATE

SHEET NOTES


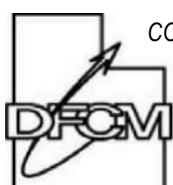


- PRE-FINISHED ALUMINUM STOREFRONT ENTRY SYSTEM WITH THERMAL BREAKS.
- OVERHEAD DOOR, VERTICAL LIFT
- PAINTED HOLLOW METAL DOOR FRAME.
- PAINTED HOLLOW METAL DOOR.
- GLASS DOOR.
- PAINTED WOOD DOOR.

GLAZING SCHEDULE

- ① 1" INSULATED TEMPERED LOW-E GLASS - BASIS OF DESIGN: PPG SOLARBAN 60 XL (2) SOLARBLUE - SHGC - 0.28, SHADING COEFFICIENT - 0.32, VISIBLE LIGHT - 45%, WINTER U-VALUE - 0.29, SUMMER U-VALUE - 0.27.
- ② 1" INSULATED LOW-E GLASS - BASIS OF DESIGN: PPG SOLARBAN 60 XL (2) SOLARBLUE - SHGC - 0.28, SHADING COEFFICIENT - 0.32, VISIBLE LIGHT - 45%, WINTER U-VALUE - 0.29, SUMMER U-VALUE - 0.27.

GENERAL NOTES

- THE CONTRACTOR IS TO VERIFY THE DIMENSIONS OF ALL OPENINGS PRIOR TO THE FABRICATION OF ALL DOORS AND FRAMES.
- DUE TO MULTIPLE USE, SOME OF THE DETAILS REFERRED TO ON THE DOOR SCHEDULE ARE REVERSED OR TURNED FROM THE DIRECTION SHOWN ON THE FLOOR PLANS. THE INTENT OF THE DETAILS IS TO BE FOLLOWED. CONSULT THE ARCHITECT WHEN QUESTIONS ARISE.
- ALL EXIT ACCESS DOORS AND EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE, OR EFFORT. USE OF MANUAL FLUSH BOLTS, EDGE BOLTS, TOP OR BOTTOM BOLTS, ETC., IS PROHIBITED.
- DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO AN OPEN POSITION OF 12 DEGREES WILL BE 5 SECONDS MINIMUM.
- FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY. THE REQUIRED FORCE FOR PUSHING OPEN OR PULLING OPEN DOORS OTHER THAN FIRE DOORS SHALL BE 5 POUNDS. THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT HOLD THE DOOR IN A CLOSED POSITION.
- THE BOTTOM 10" OF ALL DOORS EXCEPT AUTOMATIC DOORS, POWER ASSISTED DOORS, AND SLIDING DOORS SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. WHEN NARROW STILE AND RAIL DOORS ARE USED, A 10" MINIMUM, SMOOTH PANEL, EXTENDING THE FULL WIDTH OF THE DOOR, SHALL BE INSTALLED ON THE PUSH SIDE(S) OF THE DOOR WHICH ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. CAVITIES CREATED BY KICK PLATES SHALL BE CAPPED.
- ALL DOOR LOCKSETS AND PANIC DEVICES SHALL BE ADA COMPLIANT LEVER TYPE.
- CAULK HEAD, JAMBS, AND SILLS OF ALL DOORS AND WINDOWS WITH SEALANT CONTINUOUSLY APPLIED TO BOTH SIDES OF THE FRAMES.
- COORDINATE KEYING TYPE AND SCHEDULE WITH OWNER.
- ALL DOOR CLOSURES TO BE SET IN ACCORDANCE WITH THE ADA REDUCED OPENING FORCE REQUIREMENTS.
- SEE SPECIFICATIONS FOR DOOR HARDWARE. GLAZING OF CURTAIN WALL AND SUPPORT AS PER MANUFACTURER RECOMMENDATIONS. COORDINATE LOADS WITH STRUCTURAL PRIOR TO STEEL FABRICATION.
- ALL WINDOWS, DOORS, AND SKYLIGHTS SHALL HAVE AN NFRC LABEL THAT LISTS THE U-FACTOR AND SOLAR HEAT GAIN COEFFICIENT.

ANETH CHAPTER, NAVAJO NATION ANETH, UTAH		 REVIEWED FOR CODE COMPLIANCE SIGNATURE: [Signature] DATE: 05/09/2020
 DIVISION OF FACILITIES CONSTRUCTION & MANAGEMENT 4110 STATE OFFICE BUILDING SALT LAKE CITY, UTAH 84114 PHONE: (801) 538-3018 FAX: (801) 538-3267		
PROJECT NO: 19337310		
 CURTIS MINER ARCHITECTURE 233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com		DATE: 12 JANUARY, 2020 PROJECT #: CMA 18-060 PROJ. MAN.: DBN CHECKED BY: DBN
PROJECT: ANETH BUS BUILDING 10 FAIRWAY LOOP ANETH, UTAH 84510		 DALLAS B. NELSON REGISTERED ARCHITECT #2064785-0001 3/2/20
SHEET DESCRIPTION: DOOR AND WINDOWS		SHEET: A601

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ADDITIONAL INSTRUCTIONS

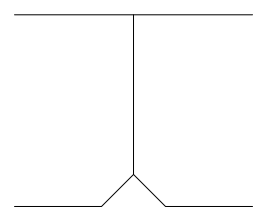
- A.

WIPE SURFACE TO REMOVE MOISTURE, DIRT, GREASE, AND OTHER DEBRIS THAT COULD INTERFERE WITH ADHESION.
- B.

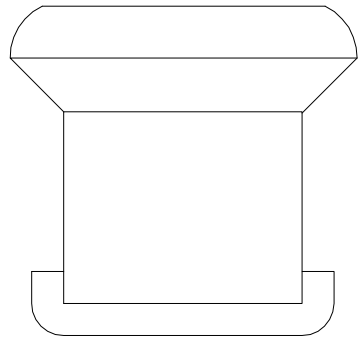
APPLY PRESSURE ALONG ENTIRE SURFACE TO ACHIEVE A GOOD BOND.
- C.

REMOVE ALL WRINKLES AND BUBBLES BY SMOOTHING SURFACE AND REPOSITION AS NECESSARY.
- D.

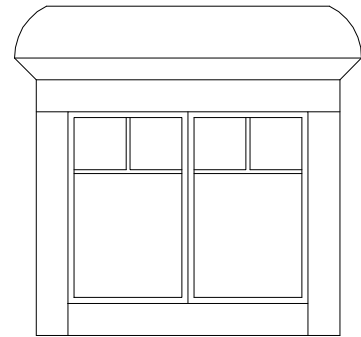
FOR ADDITIONAL GUIDELINES, RECOMMENDED CAULKS AND PRIMERS CALL 1-800-44 TYVEK.



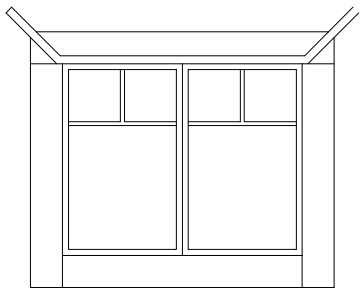
CUT A MODIFIED "I" IN WEATHER BARRIER. FOLD SIDE AND BOTTOM FLAPS INTO OPENING AND SECURE. CUT HEAD FLAP AND FLIP UP TO EXPOSE SHEATHING



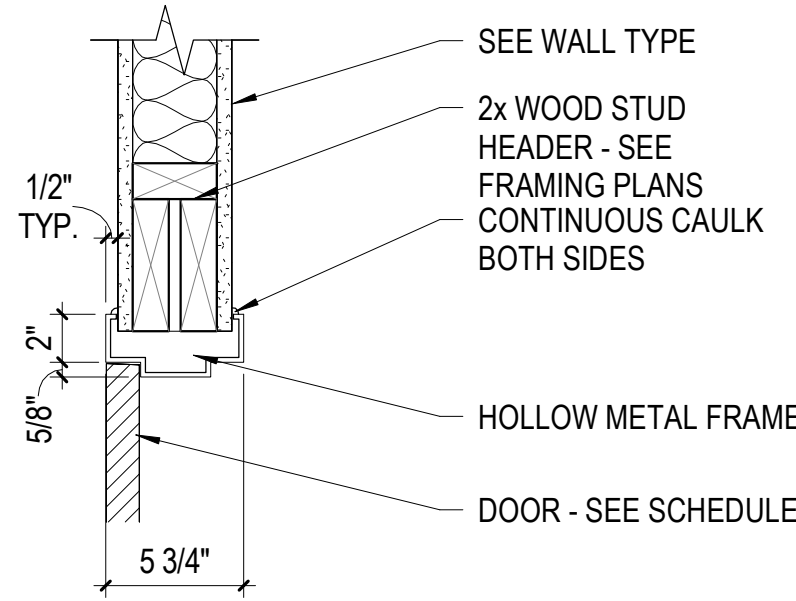
USE TYVEK FLEXWRAP TO PROVIDE SEAMLESS PROTECTION AT SILL. CAULK ROUGH OPENING OF JAMBS AND HEADS. POSITION SUCH THAT WINDOW FLANGE WILL CONTACT. (DO NOT CAULK ACROSS BOTTOM OF ROUGH OPENING).



AFTER INSTALLING WINDOW PER MANUFACTURER'S INSTRUCTIONS, PROTECT JAMBS AND HAS WITH TYVEK STRAIGHTFLASH OR TYVEK FLEXWRAP.

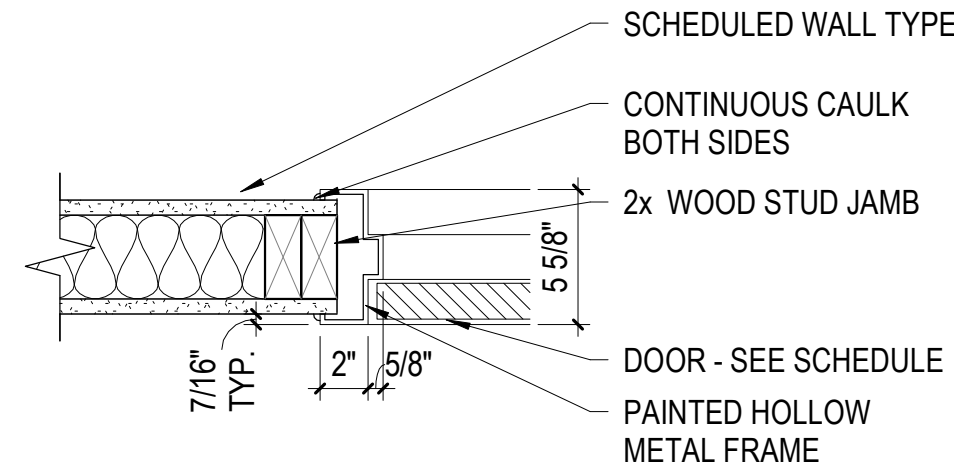


FLIP HEAD WRAP DOWN AND SECURE WITH TAPE CAULK REAR WINDOW SEAL.



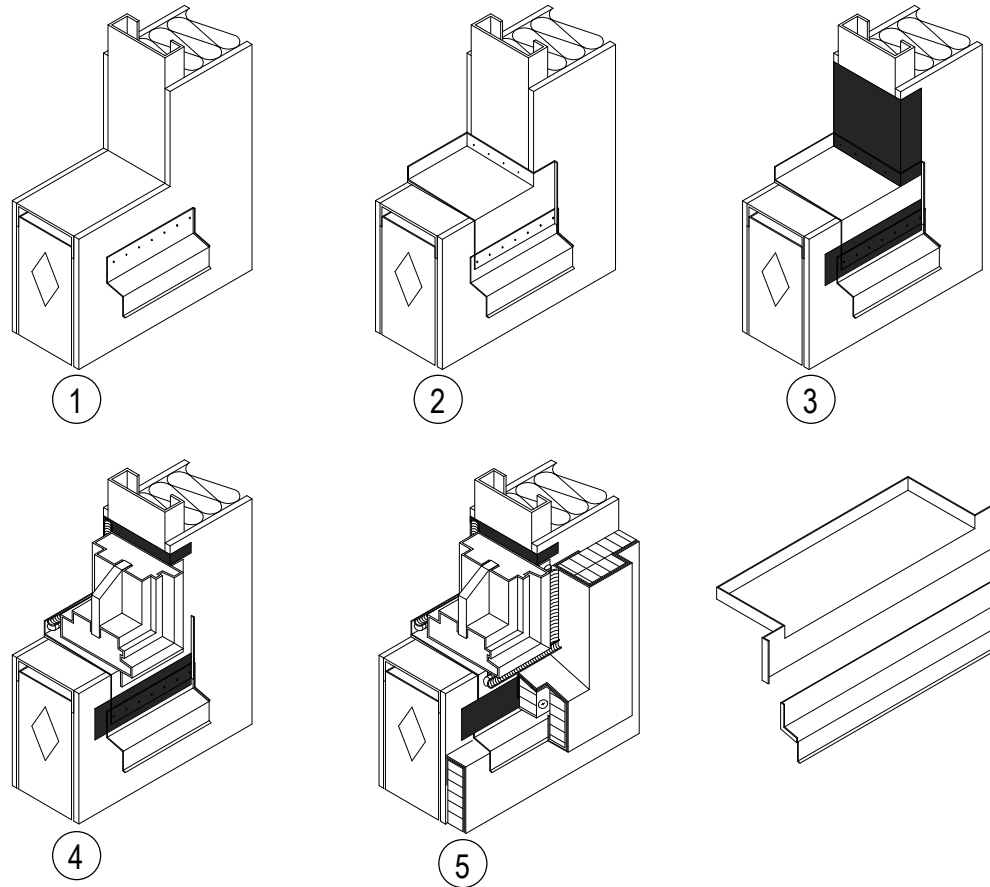
A4 DOOR HEAD DETAIL

A602 | SCALE: 1 1/2" = 1'-0"



A5 DOOR JAMB DETAIL

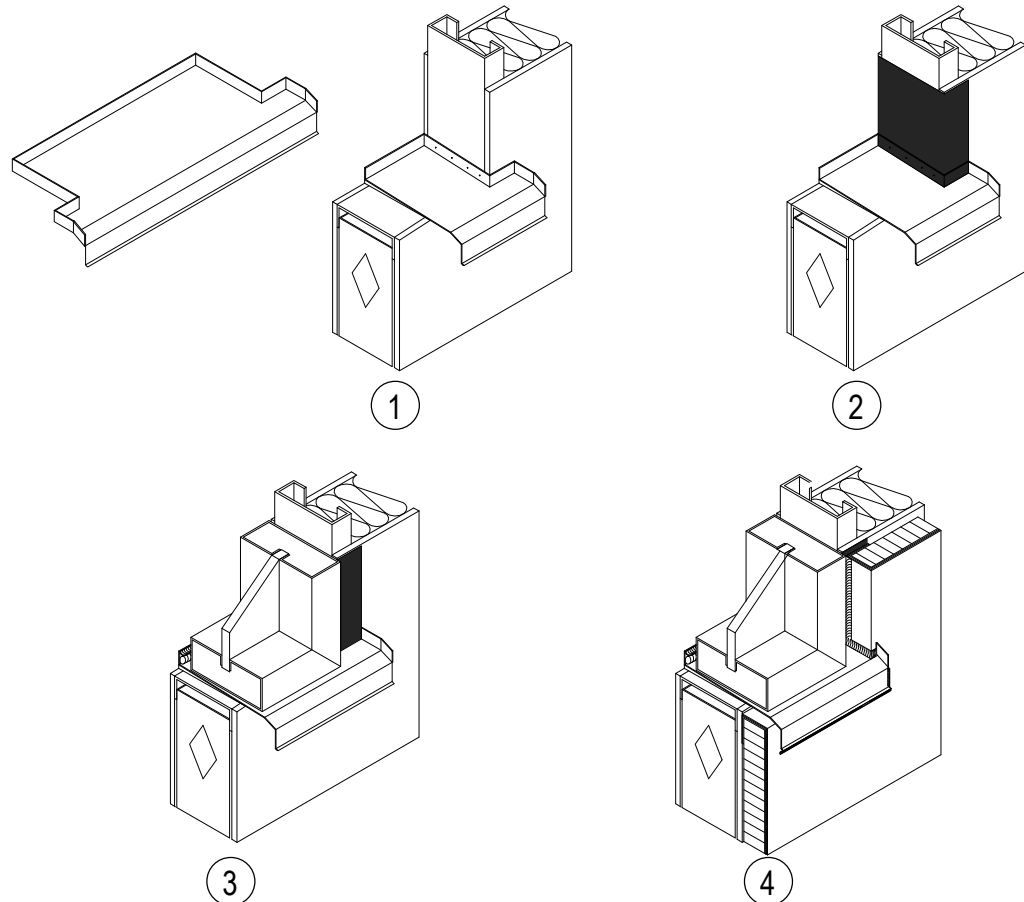
A602 | SCALE: 1 1/2" = 1'-0"



B2 PREPARATION OF OPENING FOR NAIL-ON WINDOW

A602 | SCALE: 3/4" = 1'-0"

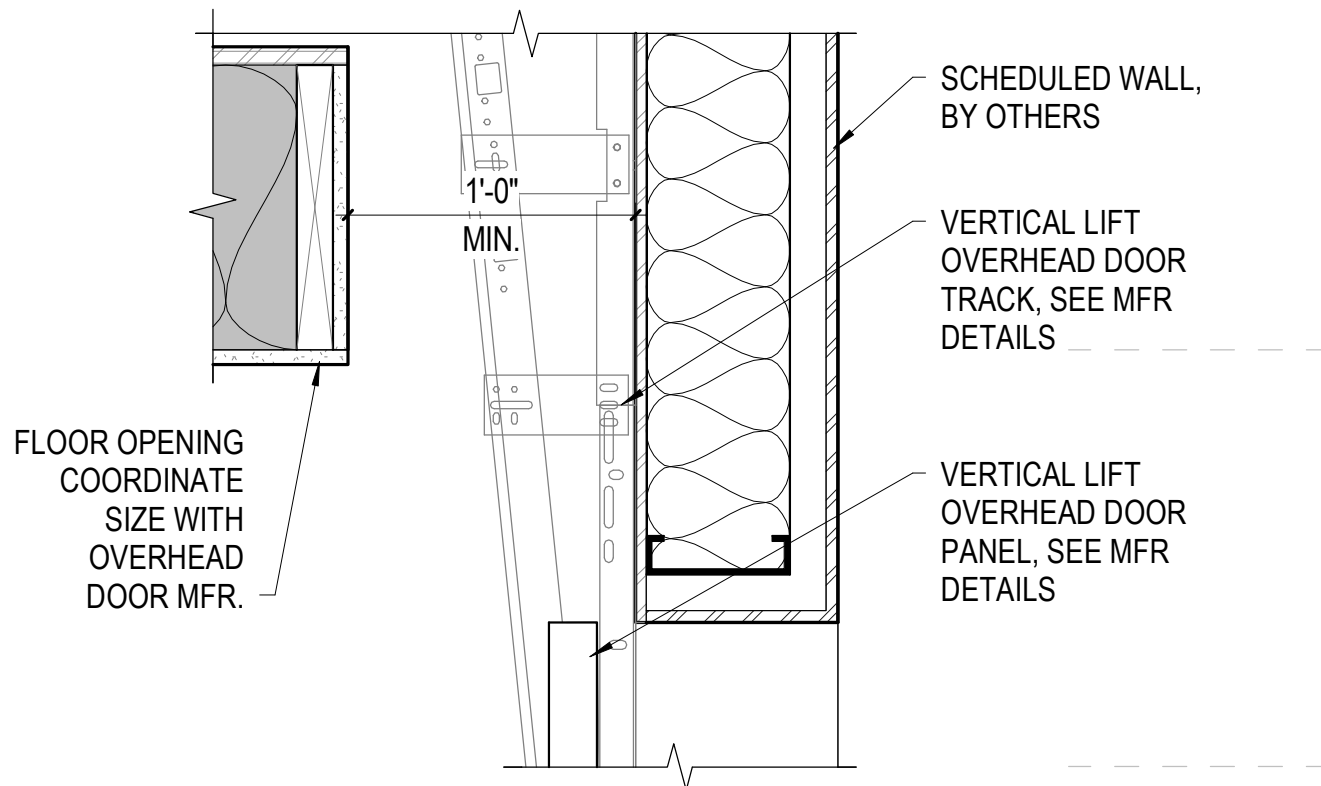
- STEP 1:** INSTALL CONTINUOUS FLASHING AND SECURE TO FRAMING.
- STEP 2:** INSTALL PAN FLASHING AND LAP OVER CONTINUOUS FLASHING TO SHED MOISTURE. SHIM UNDERSIDE OF FLASHING TO ENSURE WATER RUN OFF.
- STEP 3:** APPLY FLASHING TAPE OVER METAL FLASHING TRANSITION AND AT JAMBS LAPPING OVER UPTURNED LEGS OF PAN FLASHING.
- STEP 4:** INSTALL WINDOW UNIT.
- STEP 5:** INSTALL EIFS AND APPLY BACKER ROD AND SEALANT ALONG JAMBS AND AT SYSTEM TERMINATION, ALSO ALONG EDGES OF FLASHING.
- NOTE:**
- FLASHING SHOULD OVER LPA EIFS MINIMUM 2 1/2" MEASURED FORM THE TO OF THE EPS.
 - PAN FLASHING MUST HAVE WATERTIGHT SEAMS.
 - MECHANICAL FASTENERS SHOULD BE USED TO ATTACHED SILL TRIM PIECE.
 - EIFS AT SILL SHALL BE SLOPED FOR DRAINAGE.



C2 PREPARATION OF OPENING FOR STOREFORTN

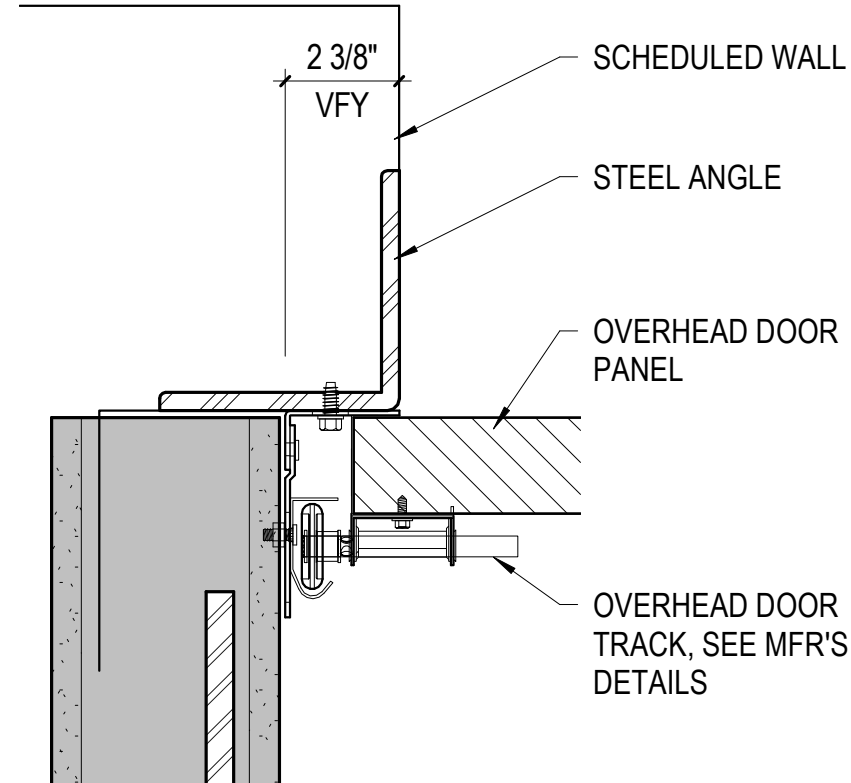
A602 | SCALE: 3/4" = 1'-0"

- STEP 1:** INSTALL PAN FLASHING AND SECURE TO FRAMING AND BLOCKING. SHIM UNDERSIDE OF FLASHING TO ENSURE WATER RUN OFF.
- STEP 2:** APPLY DRYVIT FLASHING TAPE ALONG JAMBS AND LAP OVER UPTURNED LEGS OF PAN FLASHING.
- STEP 3:** INSTALL WINDOW UNIT
- STEP 4:** APPLY BACKER ROOD AND SEALANT ALONG JAMBS AND AT SYSTEM TERMINATION, ALSO ALONG EDGES OF FLASHING
- NOTE:**
- FLASHING SHOULD OVERLAP EIFS MINIMUM 2 1/2" MEASURED FROM THE TOP OF THE EPS.
 - PAN FLASHING MUST HAVE WATERTIGHT SEAMS.



C4 VERTICAL LIFT DOOR - HEAD DETAIL

A602 | SCALE: 1 1/2" = 1'-0"



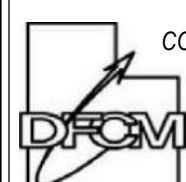
C5 VERTICAL LIFT DOOR - JAMB DETAIL

A602 | SCALE: 3" = 1'-0"

GENERAL NOTES

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ANETH CHAPTER,
NAVAJO NATION
ANETH, UTAH



DIVISION OF FACILITIES
CONSTRUCTION & MANAGEMENT
4110 STATE OFFICE BUILDING
SALT LAKE CITY, UTAH 84114
PHONE: (801) 538-3018
FAX: (801) 538-3267

PROJECT NO: 19337310



CMA
CURTIS MINER
ARCHITECTURE

233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
cma@cmautah.com

DATE: 12 JANUARY, 2020
PROJECT #: CMA 18-060
PROJ. MAN.: DBN
CHECKED BY: DBN

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PROJECT:
ANETH BUS BUILDING

10 FAIRWAY LOOP
ANETH, UTAH 84510



SHEET DESCRIPTION:
DOOR & WINDOW DETAILS

SHEET:
A602

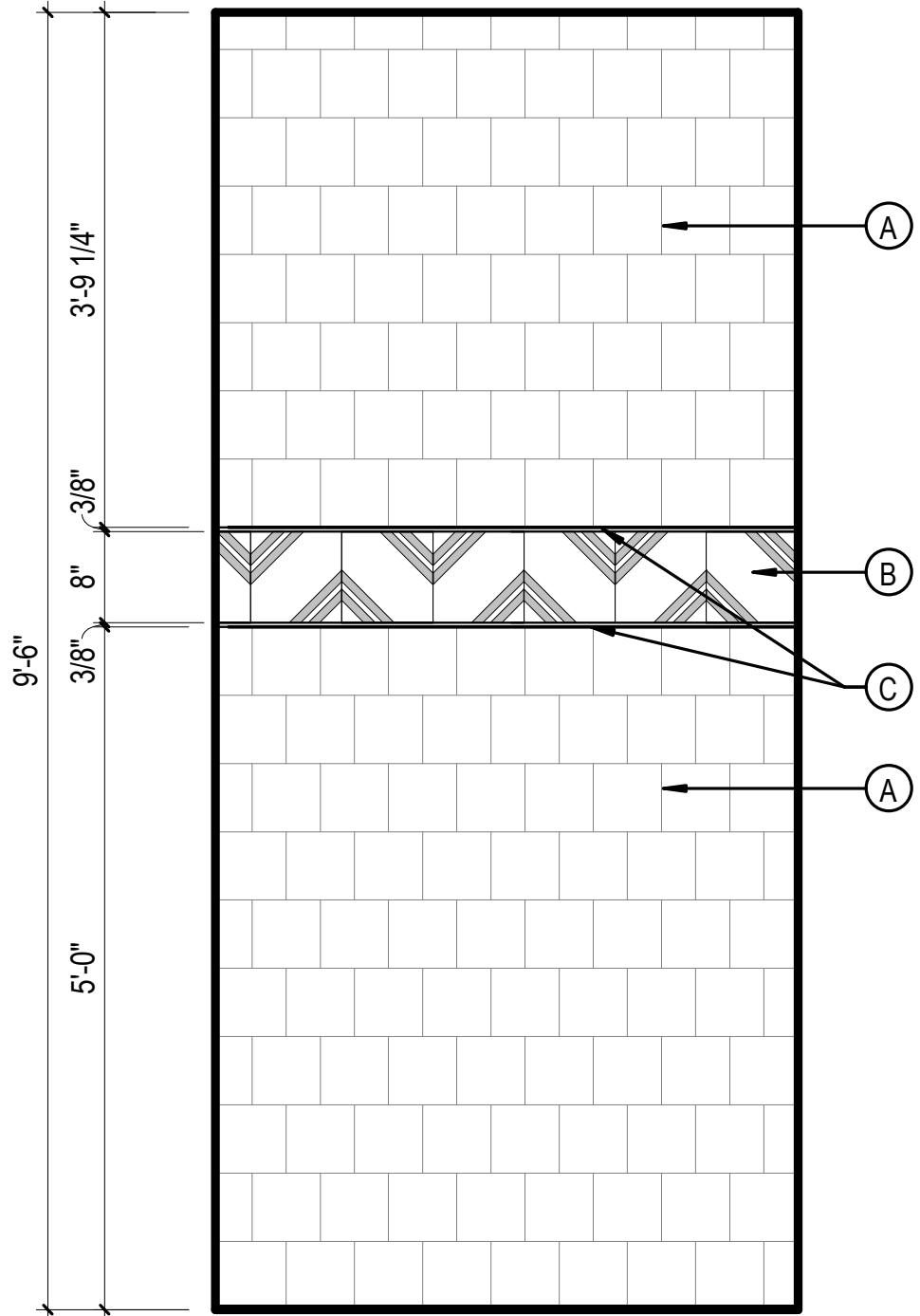
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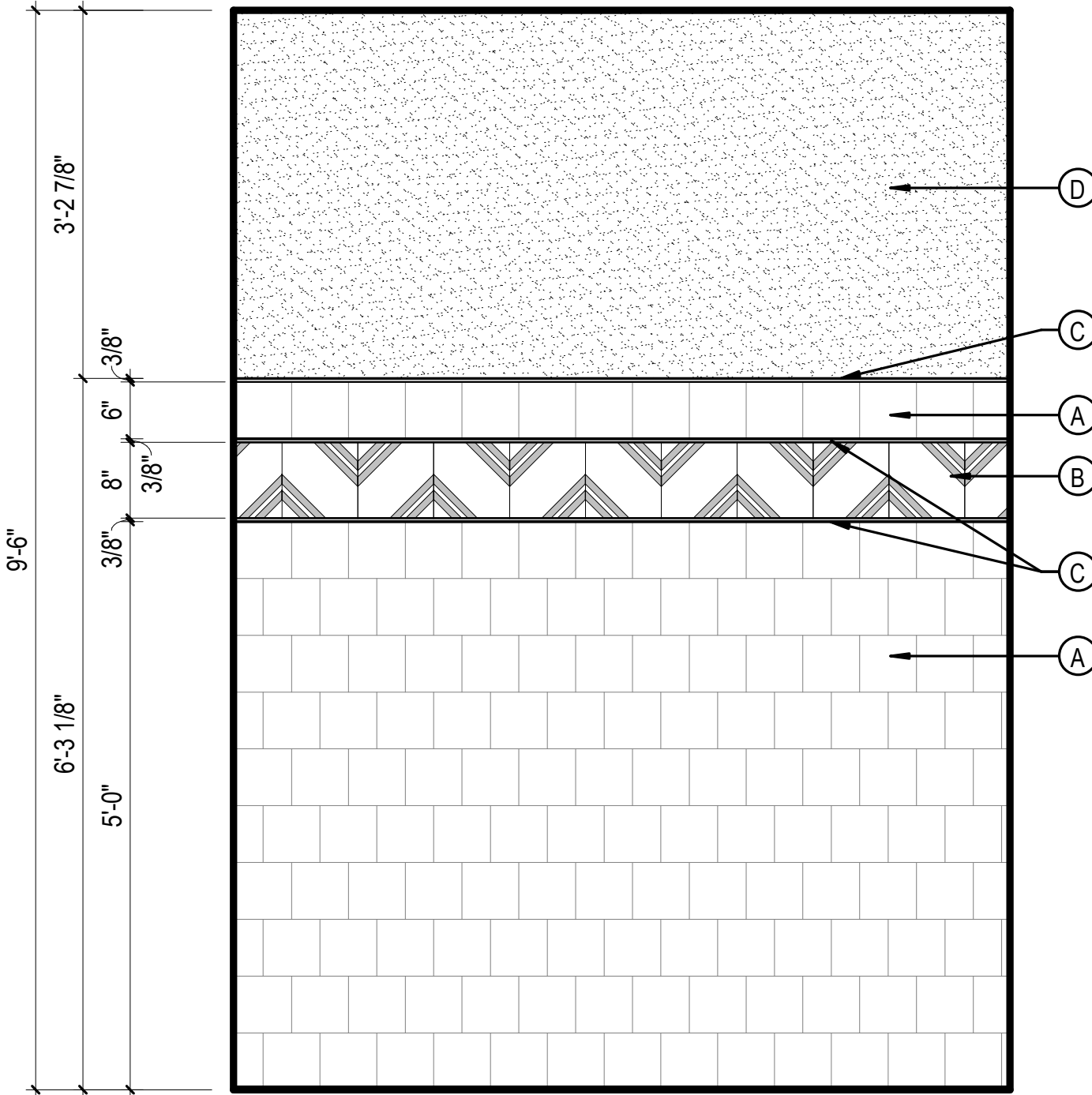
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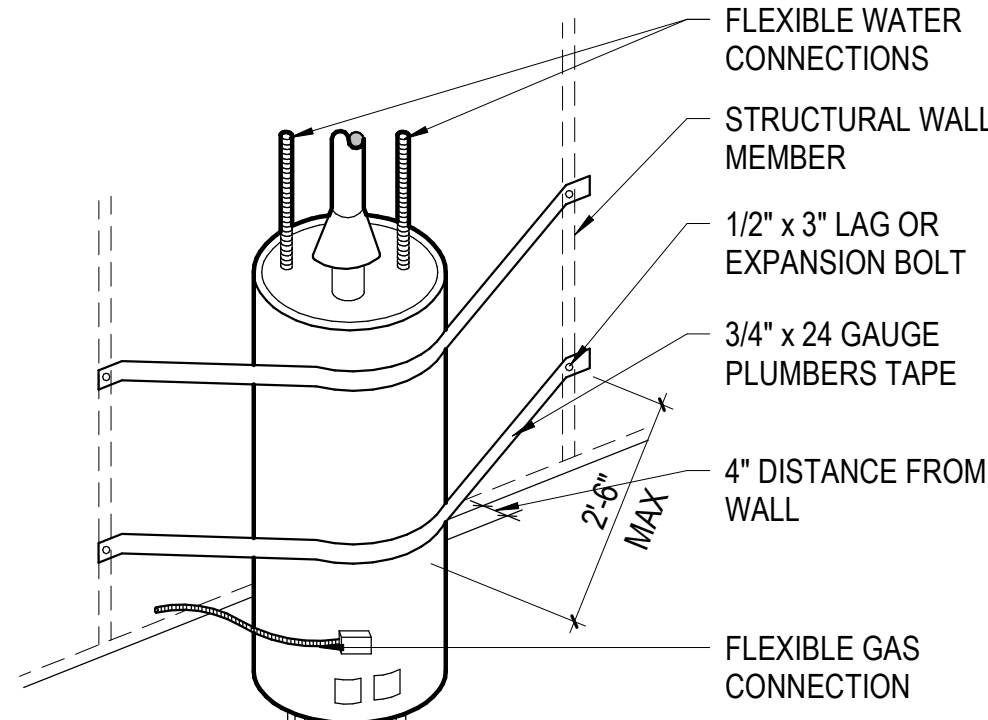
TYPICAL SHOWER TILE PATTERN LEGEND	
(A) FIELD TILE:	DALTILE, SEMI-GLOSS, WHITE 0190, 6X6 WITH BULLNOSE TOP AND EXTERIOR CORNERS
(B) ACCENT BAND:	BEDROSANS TILE, TUSCANY 8"X8" TILE IN "TAUPE BLK WHITE" TCRTUS88B1.
(C) DECORATIVE TRIM:	SCHLUTER-QUADEC SQUARE EDGE TRIM 5/16" PVC HB "LIGHT BEIGE" RAL1019 NOTE: USE AT ALL EXTERIOR CORNERS

B2 TYPICAL SHOWER TILE PATTERN
A701 | SCALE: 3/4" = 1'-0"

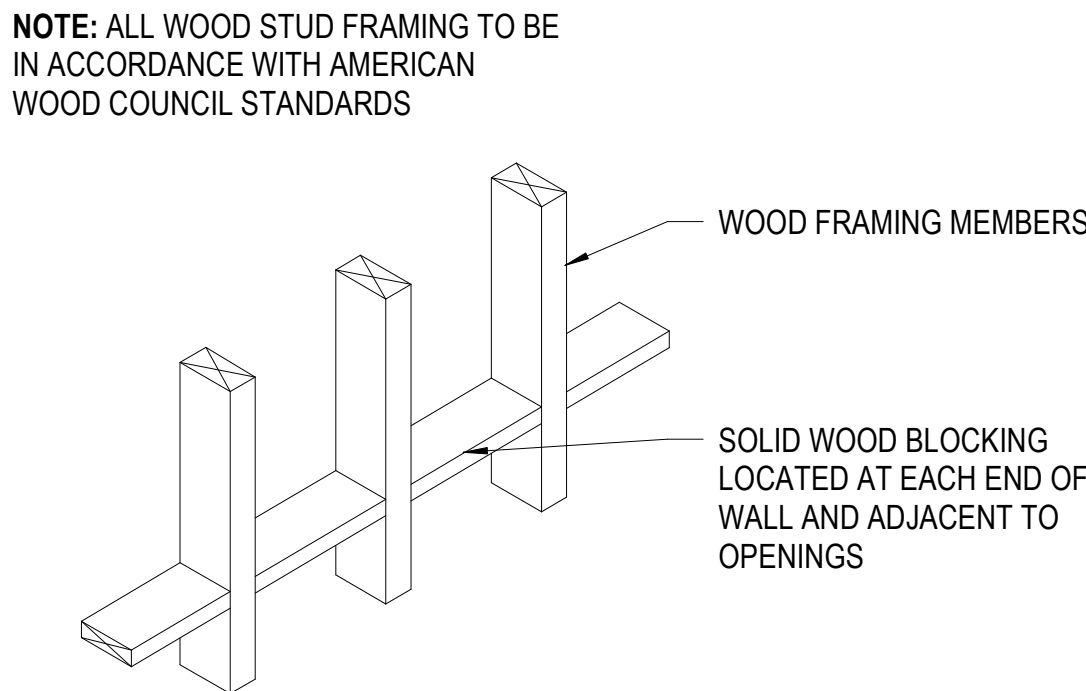


TYPICAL TILE PATTERN LEGEND	
(A) FIELD TILE:	DALTILE, MATTE, 6" X 6" MATTE ARCTIC WHITE 0790
(B) ACCENT BAND:	BEDROSANS TILE, TUSCANY 8"X8" TILE IN "TAUPE BLK WHITE" TCRTUS88B1.
(C) DECORATIVE TRIM:	SCHLUTER-QUADEC-SQUARE EDGE TRIM 5/16" PVC HB "LIGHT BEIGE" RAL1019 NOTE: USE AT ALL EXTERIOR CORNERS
(D) PAINTED GYP. BOARD	SEE W2 ON INTERIOR FINISH SCHEDULE

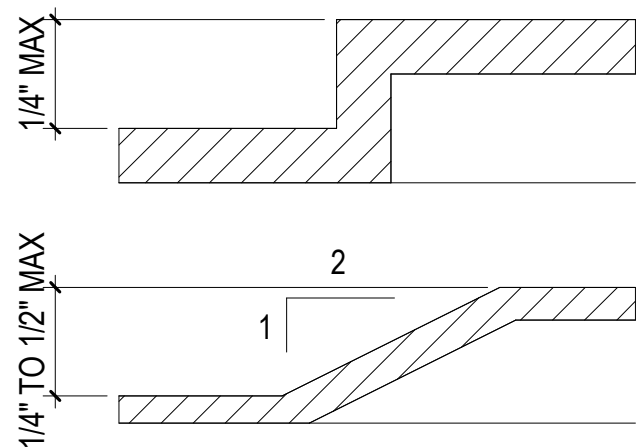
B3 TYPICAL TILE PATTERN DETAIL
A701 | SCALE: 3/4" = 1'-0"



A5 SEISMIC WATER HEATER DETAIL
A701 | SCALE: 1/2" = 1'-0"

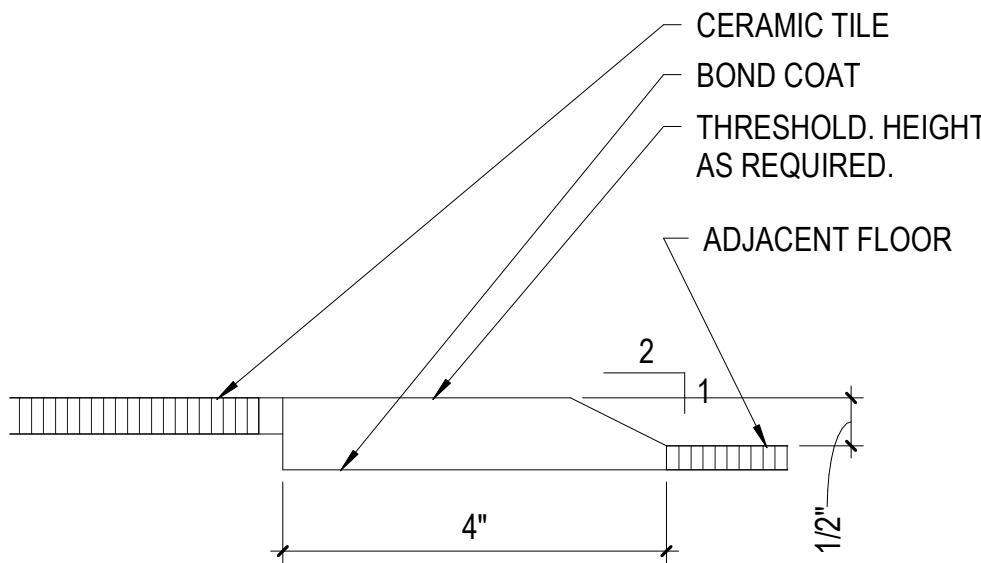


B5 METAL STUD BLOCKING DETAIL
A701 | SCALE: NOT TO SCALE

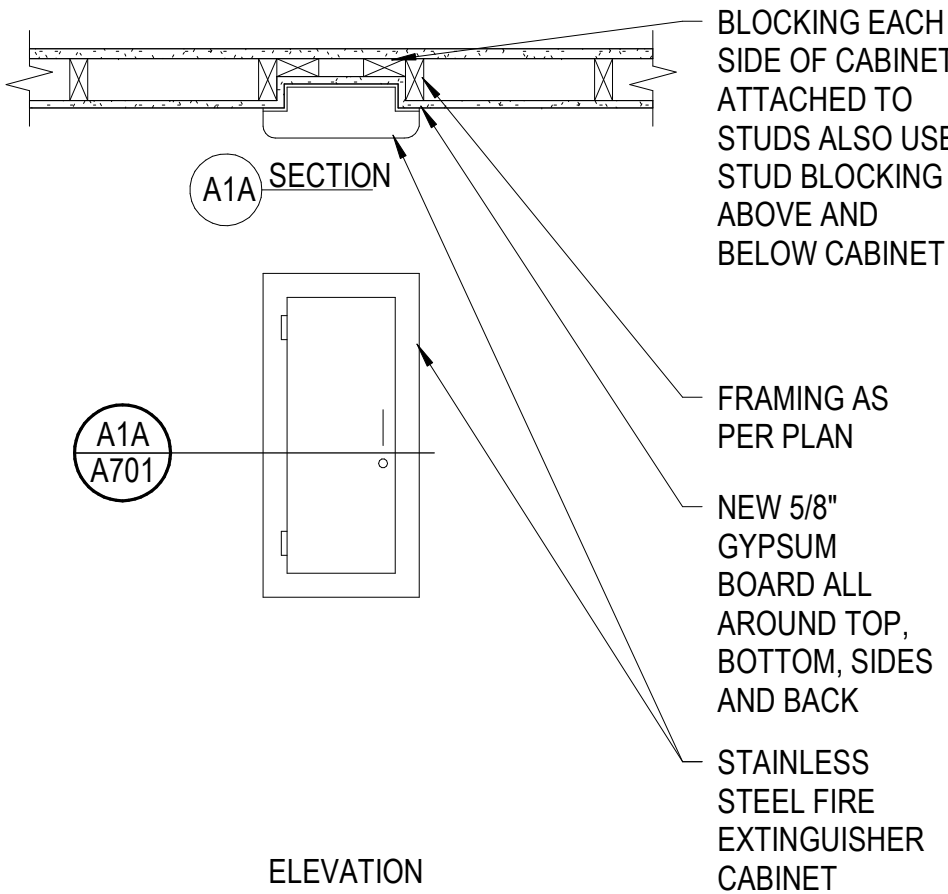


NOTE: CHANGES IN LEVEL GREATER THAN 1/2" MUST BE RAMPED WITH 1:12 MAXIMUM SLOPE. CHANGES IN LEVEL IN CLEAR FLOOR SPACE, MANEUVERING CLEARANCES, WHEELCHAIR TURNING SPACE AND ACCESS AISLES ARE PROHIBITED.

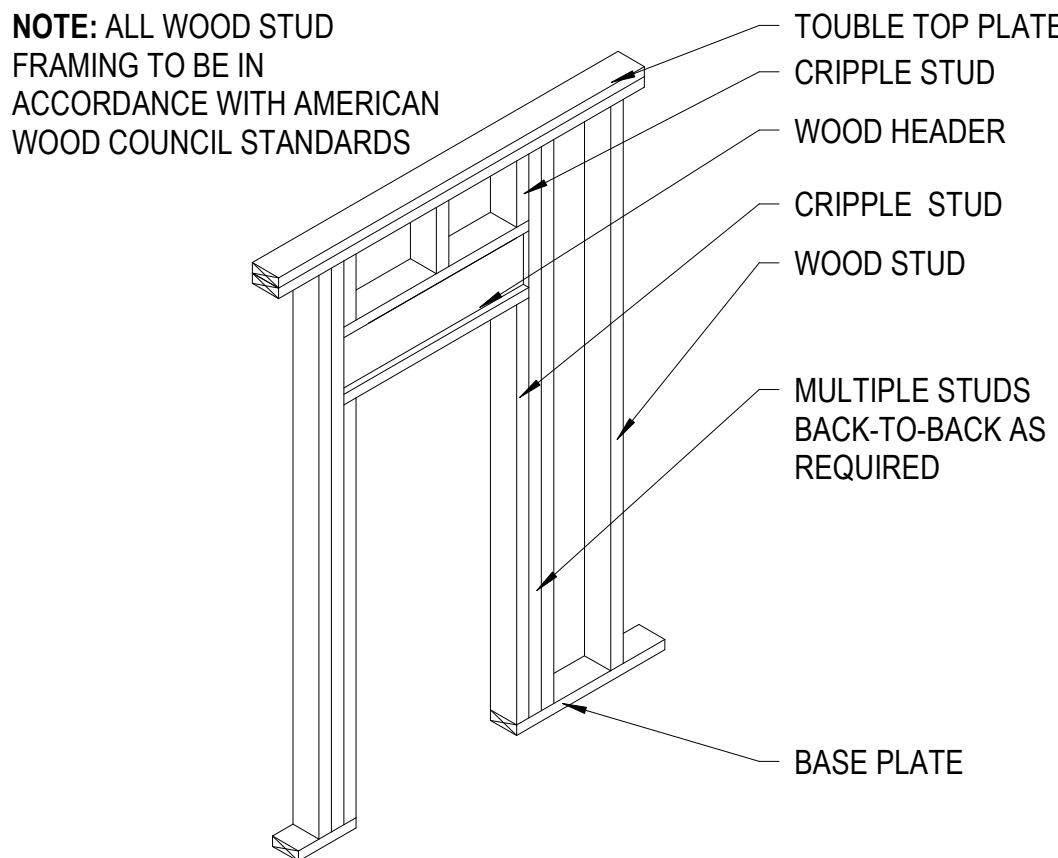
C2 FLOOR TRANSITIONS
A701 | SCALE: 1/4" = 1'-0"



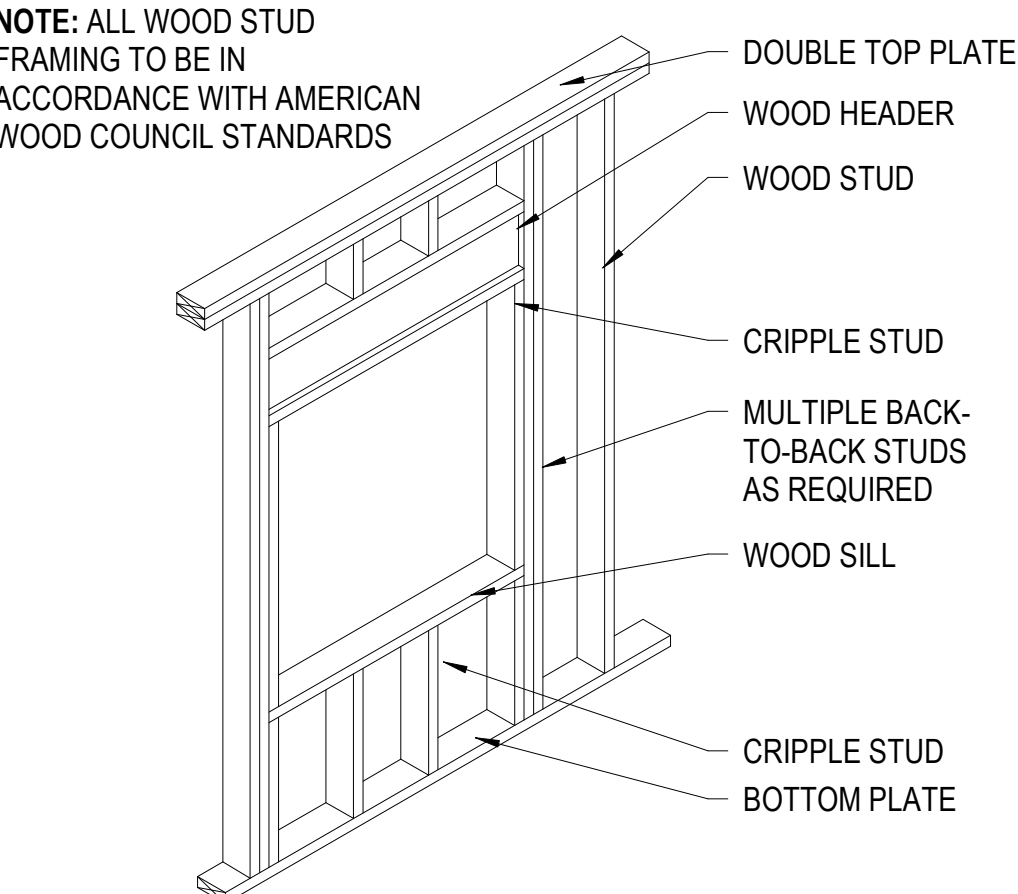
C3 FLOOR TRANSITIONS
A701 | SCALE: 6" = 1'-0"



D1 SEMI RECESSED FIRE EXTINGUISHER
A701 | SCALE: 3/4" = 1'-0"



D4 WOOD STUD FRAMING - DOOR
A701 | SCALE: NOT TO SCALE



D5 WOOD STUD FRAMING - WINDOW
A701 | SCALE: NOT TO SCALE

△	MARK	REVISION	DATE

ANETH CHAPTER,
NAVAJO NATION
ANETH, UTAH

DIVISION OF FACILITIES
CONSTRUCTION & MANAGEMENT
4110 STATE OFFICE BUILDING
SALT LAKE CITY, UTAH 84114
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PROJECT NO: 19337310

CURTIS MINER
ARCHITECTURE

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DATE: 12 JANUARY, 2020
PROJECT #: CMA 18-060
PROJ. MAN.: DBN
CHECKED BY: DBN

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PROJECT:
ANETH BUS BUILDING

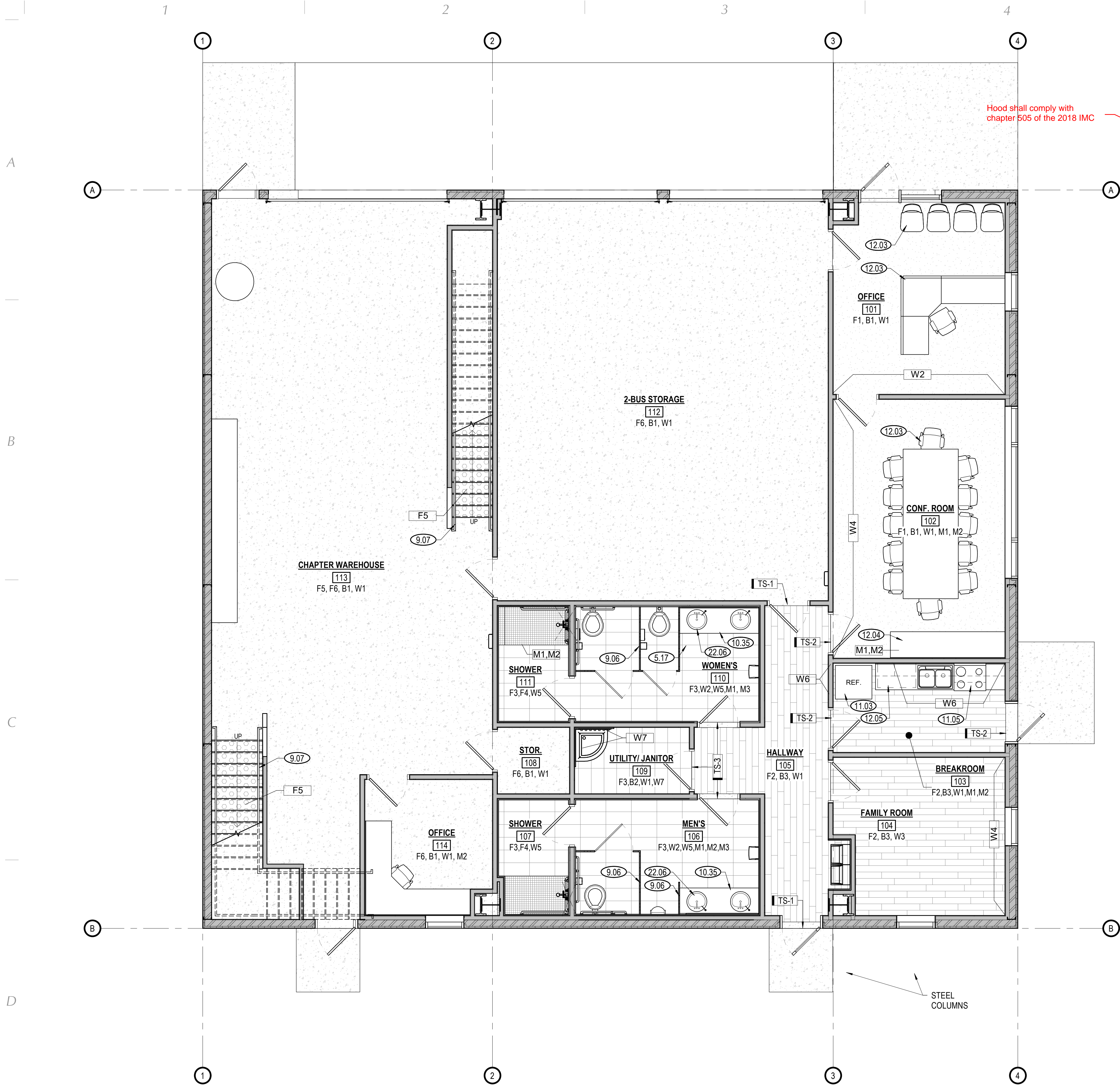
10 FAIRWAY LOOP
ANETH, UTAH 84510

SHEET DESCRIPTION:
MISCELLANEOUS DETAILS

SHEET:
A701

DIVISION OF FACILITIES
CONSTRUCTION & MANAGEMENT
REVIEWED FOR
CODE COMPLIANCE
SIGNATURE: [Signature]
DATE: 05/05/2020

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SHEET NOTES

- 5.17 STAINLESS STEEL TOILET PARTITIONS
9.06 SOLID PHENOLIC TOILET PARTITIONS.
9.07 METAL HANDRAIL AND GUARD RAIL TO BE PAINTED SHERWIN WILLIAMS SW 7058 URBANE BRONZE.
10.35 ADA COMPLIANT SOLID SURFACE COUNTERTOP W/ APRON, INSULATE PIPING.
11.03 REFRIGERATOR/FREEZER WITH ICE MAKER.
11.05 RANGE W/ HOOD RANGE, RESIDENTIAL GRADE.
12.03 FURNITURE, BY OWNER
12.04 LAMINATE COUNTER TOP W/ MILLWORK, SEE INTERIOR ELEVATIONS
12.05 SOLID SURFACE COUNTER TOP W/ MILLWORK, SEE INTERIOR ELEVATIONS
22.06 SINK AND FAUCET.

GENERAL NOTES

- A. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO ARCHITECT.
B. PROVIDE 18" MINIMUM CLEAR FLOOR SPACE AT PULL SIDE OF ALL DOORS. PROVIDE 12" MINIMUM CLEAR FLOOR SPACE AT PUSH SIDE OF ALL DOORS.
C. MILLWORK SHOWN FOR CLARITY. PROVIDE FLOORING UNDER EQUIPMENT, MILLWORK AND COUNTERTOPS.
D. SEE INTERIOR ELEVATIONS AND MILLWORK DETAILS ON A251 FOR FINISHES OF MILLWORK AND COUNTERTOPS.
E. PAINTED DOOR TRIM COLOR TO BE SHERWIN WILLIAMS PORPOISE SW 7047.
F. SOLID SURFACE WINDOW SILLS TO BE CORIAN LIMESTONE PRIMA.
G. FINAL FINISH SELECTION TO BE COORDINATED WITH ARCHITECT, OWNER AND INTERIOR DESIGNER.
H. CONTRACTOR TO VERIFY TRANSITION STRIP DIMENSIONS WITH MATERIAL THICKNESS.

FINISH SYMBOLS

TRANSITION STRIP TAG

TRANSITION STRIP NUMBER

WALL & BASE FINISH SPECIFIC

WALL FINISH
MATERIAL TRANSITION
BASE FINISH

TRANSITION STRIP SCHEDULE

CODE	TRANSITION	SPECIFICATION
TS-1	TILE TO CONCRETE	SCHLUTER, RENO-RAMP AEU35, SATIN ANODIZED ALUMINUM
TS-2	CARPET TO TILE	SCHLUTER, SCHIENE AE45, SATIN ANODIZED ALUMINUM, 3/8"
TS-3	TILE TO RESTROOM	USE FULL PEICE OF TILE F3 FOR THRESHOLD.

M1	SOLID SURFACE COUNTERTOP - CORIAN, DEEP MINK, EASED EDGES
M2	PLASTIC LAMINATE MILLWORK - UPTOWN WALNUT 7971K-12
M3	SOLID PHENOLIC CORE TOILET PARTITIONS - BRADLEY, EARTH WASH 061F

NOTE: SEE INTERIOR ELEVATIONS FOR EXTENT OF FINISHES

MARK	REVISION	DATE

FINISH SCHEDULE / LEGEND

CODE	MATERIAL
F1	24" x 24" CARPET TILES - MOHAWK, STATEMENT FABRIC, 888 NEUTRAL MIX
F2	6" x 36" PORCELAIN TILE - BEDROSJANS TILE, WOODMARK, LIGHT OAK, 3/16" GROUT: CUSTOM #186 KHAKI
F3	12" x 24" PORCELAIN TILE - DAL TILE, PORTFOLIO, NOCE PF11, GROUT: CUSTOM #541 WALNUT.
F4	2" x 2" MOSAIC PORCELAIN TILE - DAL TILE, PORTFOLIO, NOCE PF11, GROUT: CUSTOM #541 WALNUT.
F5	ANGLE FIT RUBBER STAIR TREAD WITH INTEGRATED RISER - TARKETT, BAMBOO, 63 BURNT UMBER, NO INSERT
F6	SEALED CONCRETE
F7	WOOD FLOOR, PAINTED - SHERWIN WILLIAMS SW 7047 PORPOISE

B1	4" RUBBER BASE - TARKETT, BURNT UMBER 63
B2	6" X 12" COVED TILE BASE - MATCH F3
B3	6" X 36" TILE BASE - MATCH F2, USE SCHLUTER RONDEC TRIM IN COLOR COATED ALUMINUM HB "LIGHT BEIGE" RAL 1019, WITH MATCHING INSIDE/OUTSIDE CORNERS

W1	PAINTED GYPSUM BOARD - FIELD COLOR SHERWIN WILLIAMS; AESTHETIC WHITE; SW 7035
W2	EPOXY PAINTED GYPSUM BOARD - ACCENT COLOR 1 (RESTROOM) SHERWIN WILLIAMS; BALANCED BEIGE; SW 7037
W3	PAINTED GYPSUM BOARD - ACCENT COLOR 2 (FAMILY ROOM) SHERWIN WILLIAMS; ACCESSIBLE BEIGE; SW 7036
W4	PAINTED GYPSUM BOARD - ACCENT COLOR 3 SHERWIN WILLIAMS; RIVERWAY; SW 6222
W5	TYPICAL RESTROOM TILE - SEE DETAIL B3/A701 FOR TYPICAL TILE PATTERN DETAIL. SEE DETAIL B2/A701 FOR TYPICAL SHOWER TILE PATTERN. GROUT: CUSTOM BUILDING PRODUCTS #382 BONE.
W6	CERAMIC TILE BACKSPLASH - BEDROSJANS TILE, TUSCANY 8"X8" TILE IN "TAUPE BLK WHITE" TCRTUS88B1. GROUT: CUSTOM # 11 SNOW WHITE. SCHLUTER SCHIENE IN ANODIZED ALUMINUM AT EXPOSED EDGES.
W7	FRP PANEL BACKSPLASH, WHITE

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PROJECT NO: 19337310



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DATE: 12 JANUARY, 2020
PROJECT #: CMA 18-060
PROJ. MAN.: DBN
CHECKED BY: DBN

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PROJECT:
ANETH BUS BUILDING
10 FAIRWAY LOOP
ANETH, UTAH 84510

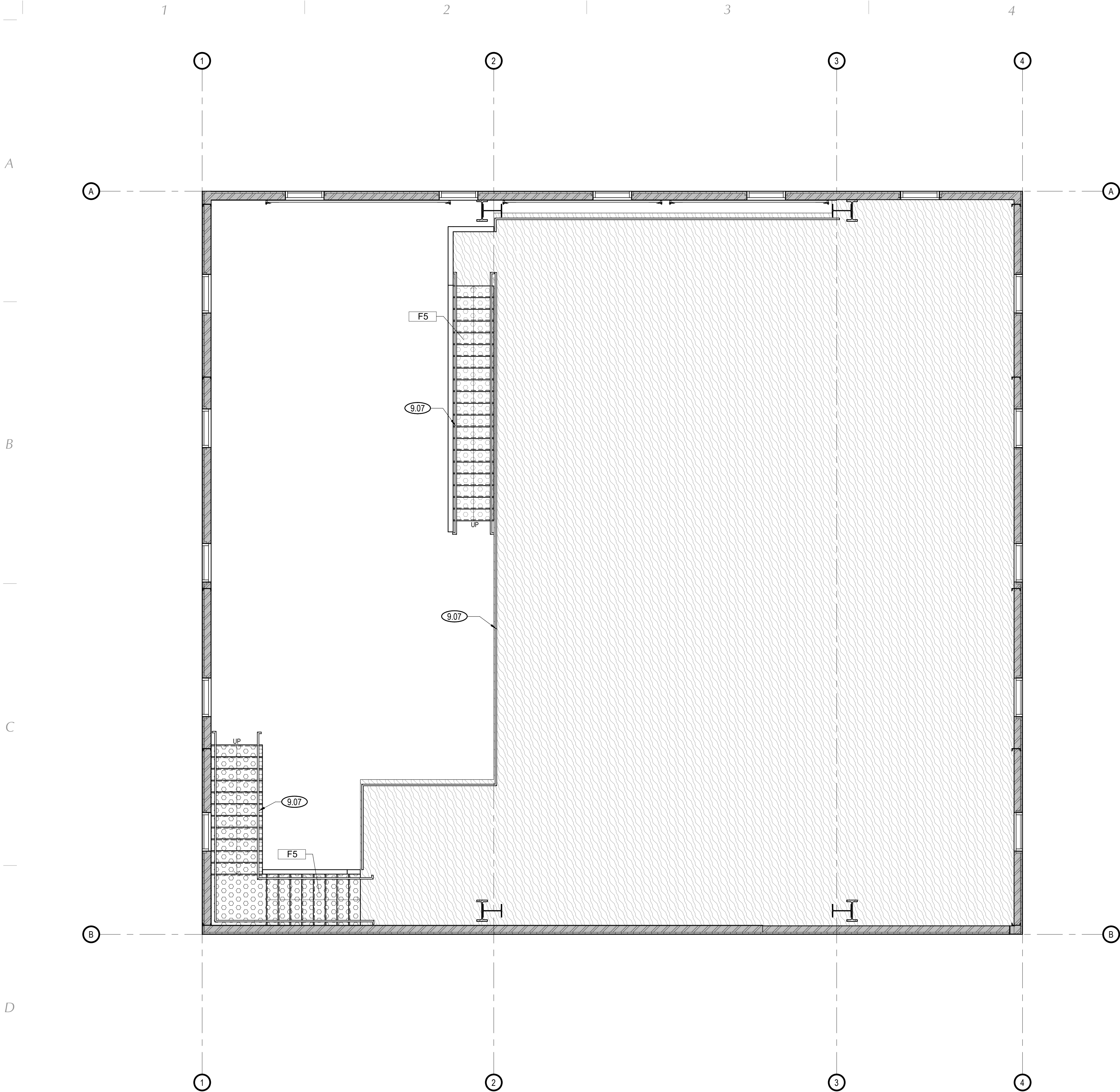


SHEET DESCRIPTION:
LEVEL 1 FURNISHINGS PLAN

SHEET:
AF101

D1 LEVEL 1 FURNISHINGS PLAN
AF101 | SCALE: 1/4" = 1'-0"

\\CMA-DATA\TA01\CMA_Jobs\2018\18-060 DFCM Aneth UT Bus Building\11 Rev\18-060 DFCM Aneth UT Shop & Warehouse_CENTRAL - 2020-3-27.rvt
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D1 LEVEL 2 INTERIOR FINISH PLAN
AF102 | SCALE: 1/4" = 1'-0"

SHEET NOTES

9.07 METAL HANDRAIL AND GUARD RAIL TO BE PAINTED SHERWIN WILLIAMS SW 7058 URBANE BRONZE.

GENERAL NOTES

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- H. CONTRACTOR TO VERIFY TRANSITION STRIP DIMENSIONS WITH MATERIAL THICKNESS.

FINISH SYMBOLS

TRANSITION STRIP TAG	TS-?	TRANSITION STRIP NUMBER
WALL & BASE FINISH SPECIFIC	W1, B1	WALL FINISH MATERIAL TRANSITION BASE FINISH

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M3	SOLID PHENOLIC CORE TOILET PARTITIONS - BRADLEY, EARTH WASH 061F

NOTE: SEE INTERIOR ELEVATIONS FOR EXTENT OF FINISHES

△	MARK	REVISION	DATE

FINISH SCHEDULE / LEGEND

CODE	MATERIAL
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W7	FRP PANEL BACKSPLASH, WHITE

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PHONE: (801) 538-3018
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PROJECT NO: 19337310

REVIEWED FOR
CODE COMPLIANCE

SIGNATURE:

DATE: 12/09/2020

DATE: 12 JANUARY, 2020
PROJECT #: CMA 18-060
PROJ. MAN.: DBN
CHECKED BY: DBN

CURTIS MINER
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PROJECT:
ANETH BUS BUILDING
10 FAIRWAY LOOP
ANETH, UTAH 84510

STATE OF
UTAH
DALLAS B.
NELSON
REGISTERED ARCHITECT
#64785-2001
3/2/20

SHEET DESCRIPTION:
LEVEL 2 FURNISHINGS PLAN

SHEET:
AF102

1

GENERAL STRUCTURAL NOTES

1. IN ALL CASES, "CONTRACTOR" SHALL REFER TO THE CONTRACTOR OR SUB-CONTRACTOR RESPONSIBLE FOR THE TRADE SPECIFICALLY REFERRED TO IN THE NOTES (i.e. STEEL, CONCRETE, MASONRY). THE "CONTRACTOR" SHALL MEET ALL NOTE REQUIREMENTS AND SHALL INCLUDE THE COSTS ASSOCIATED WITH THESE REQUIREMENTS IN HIS/HER BID. THE GENERAL CONTRACTOR OR CONSTRUCTION MANAGER, IS ULTIMATELY RESPONSIBLE FOR COMPLIANCE WITH ALL NOTE REQUIREMENTS.
2. THE CONTRACTOR SHALL PERFORM HIS/HER TRADE AND DUTIES IN A MANNER CONFORMING TO THE PROCEDURES AND REQUIREMENTS AS STATED IN THE 2018 INTERNATIONAL BUILDING CODE (IBC), AND/OR LATEST CODE ADOPTED BY THE LOCAL BUILDING OFFICIAL, AND ALL LOCAL ORDINANCES.
3. THE GENERAL CONTRACTOR, OR PROJECT MANAGER, SHALL COORDINATE THE WORK PERFORMED BY ALL TRADES.
4. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND/OR ARCHITECT OF ANY DISCREPANCIES, OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR THE SPECIFICATIONS BEFORE PROCEEDING WITH ANY WORK INVOLVED. IN ALL CASES, UNLESS OTHERWISE DIRECTED, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN AND BE PERFORMED.
5. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, SLOPES AND ELEVATIONS, ETC., AT THE JOB SITE AND SHALL COORDINATE THESE WITH THE ARCHITECT AND WITH ALL TRADES. CONSTRUCTION DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS.
6. VISITS TO THE JOB SITE BY REPRESENTATIVES OF THE ENGINEER DO NOT CONSTITUTE APPROVAL OF THE WORK PERFORMED BY THE CONTRACTOR OR HIS SUBCONTRACTORS; THEY ARE MERELY FOR THE PURPOSE OF OBSERVATION.
7. SHOP DRAWINGS FOR ANY FABRICATED COMPONENTS OR COMPONENTS DESIGNED BY MANUFACTURER SHALL BE APPROVED BY THE ENGINEER AND ARCHITECT PRIOR TO FABRICATION AND ERECTION. SHOP DRAWINGS SHALL BE STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE SAME STATE AS THE PROJECT.
8. THE CONTRACTOR SHALL VERIFY SIZES, LOCATIONS, LOADS, AND EQUIPMENT ANCHORAGE IN THE FIELD WITH THE EQUIPMENT MANUFACTURER (OR SUPPLIER) PRIOR TO FABRICATION OR INSTALLATION OF SUPPORTING STRUCTURES.
9. TEMPORARY SHORING (BRACING) SHALL BE PROVIDED WHERE NECESSARY. SHORING SHALL SUPPORT ALL LOADS TO WHICH THE STRUCTURE MAY BE SUBJECTED (i.e. WIND). SHORING SHALL REMAIN IN PLACE AS LONG AS MAY BE REQUIRED FOR SAFETY OR UNTIL ALL THE STRUCTURAL ELEMENTS ARE COMPLETED. ALL SHORING IS THE RESPONSIBILITY OF THE CONTRACTOR
10. DURING AND AFTER CONSTRUCTION, THE CONTRACTOR AND OWNER SHALL KEEP LOADS ON THE STRUCTURE WITHIN THE LIMITS OF THE DESIGN LOADS FOR THE OCCUPANCY. SEE STRUCTURAL PLANS AND CALCULATIONS FOR STRUCTURAL DESIGN LOADINGS AND CRITERIA.
11. ANY SPECIAL INSPECTION REQUIRED BY THE CONSTRUCTION DOCUMENTS, OR BY THE BUILDING OFFICIAL, OR BY THE IBC, IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ON BEHALF OF THE OWNER.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR SAFETY AND PROTECTION WITHIN AND ADJACENT TO THE JOB SITE.
13. PRIOR APPROVAL, IN WRITING, FROM THE ENGINEER IS REQUIRED FOR ANY DEVIATION FROM THE STRUCTURAL PLANS AND/OR CONSTRUCTION DOCUMENTS. OPTIONAL MEMBER SIZES AND VARIATIONS IN THE FRAMING REQUIRE PRIOR APPROVAL OF THE ENGINEER, ARCHITECT AND OWNER. FAILURE TO FOLLOW PLANS AND CONSTRUCTION DOCUMENTS CONSTITUTES CHANGE IN PROJECT SCOPE.
14. SEE STRUCTURAL PLANS FOR ADDITIONAL STRUCTURAL NOTES AND REQUIREMENTS.
15. THE ENGINEER RESERVES THE RIGHT TO REQUEST REPLACEMENT OF ANY PORTION OF THE STRUCTURE DEVIATING FROM THE PLANS WHERE WRITTEN PRIOR APPROVAL HAS NOT BEEN OBTAINED AND WHERE INSPECTION BY THE ENGINEER PRIOR TO CONSTRUCTION OF THE CHANGED PORTION HAS NOT HAPPENED.
16. ALL SITE WORK, GRADING, COMPACTION AND BACKFILL, ETC. SHALL BE DONE IN COMPLIANCE WITH A GEOTECHNICAL REPORT SPECIFIC TO THE SITE. IT IS THE GENERAL CONTRACTORS RESPONSIBILITY TO OBTAIN A GEOTECHNICAL REPORT, IF ONE HAS NOT ALREADY BEEN OBTAINED, AND SUBMIT A COPY TO THE ENGINEER FOR VERIFICATION.
17. ALL ANCHORING ADHESIVE SHALL BE SIMPSON SET-XP EPOXY OR HILTI HIT-HY200 MAX-SD ADHESIVE. ANCHORS SHALL BE INSTALLED PER MANUFACTURERS INSTRUCTIONS.
18. ALL NON-EPOXIED POST-INSTALLED ANCHORS TO BE SIMPSON STRONG-BOLT 2 WEDGE ANCHORS, TITEN HD SCREW ANCHORS, HILTI KWIK HUS-EZ SCREW ANCHORS, OR HILTI KWIK BOLT TZ ANCHORS.
19. FASTENERS AND ANCHOR BOLTS USED IN PRESERVATIVE-TREATED WOOD SHALL BE HOT DIPPED ZINC-COATED GALVANIZED STEEL. THE COATING WEIGHTS SHALL BE IN ACCORDANCE WITH ASTM A 153.

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GENERAL CONCRETE NOTES

1. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.
2. ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE 2018 IBC, ACI 318, AND LOCAL ORDINANCES.
3. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO PLACING CONCRETE.
4. CONTRACTOR SHALL COORDINATE WITH MECHANICAL, ELECTRICAL, AND ARCHITECTURAL PRIOR TO PLACING CONCRETE. PROVIDE SLEEVES, BLOCK OUTS, ETC... AS REQUIRED.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER PLACEMENT OF ALL ANCHOR BOLTS, SEISMIC ANCHORS OR STRAPS, ETC.. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
6. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL FORM WORK, POUR STOPS, ETC. REQUIRED TO CONSTRUCT ALL CONCRETE WORK. SUCH FORM WORK IS NOT NECESSARILY SHOWN ON THE STRUCTURAL PLANS OR DETAILS. THE CONTRACTOR SHALL SPECIFY ALL FORM WORK AND SHALL INCLUDE THE COST FOR SUCH IN HIS/HER ORIGINAL BID.
7. CONTRACTOR SHALL PROVIDE ALL SHORING AS REQUIRED.
8. SEE FOUNDATION PLAN FOR ADDITIONAL NOTES AND REQUIREMENTS.
- CONCRETE & REINFORCEMENT
9. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI IN 28 DAYS. PLAT SLABS, FOUNDATION WALLS, AND CONCRETE RETAINING WALLS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI.
10. SEE PROJECT SPECIFICATIONS FOR CONCRETE DESIGN REQUIREMENTS.
11. ALL REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO THE STANDARD SPECIFICATIONS ASTM A615 GRADE 60. REINFORCING STEEL SHALL BE PROPERLY TIED INTO PLACE PRIOR TO PLACING CONCRETE.
12. ALL REINFORCING STEEL SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH THE ACI DETAILING MANUAL AND ACI STANDARDS (LATEST EDITION).
13. ALL SPLICES IN CONTINUOUS CONCRETE REINFORCING BARS SHALL LAP A MINIMUM OF 40 BARBARS. ALL SPLICES SHALL BE MADE IN A COMPRESSION ZONE UNLESS NOTED. ALL CONTINUOUS REINFORCING SHALL TERMINATE WITH A 90 DEG. BEND OR WITH SEPARATE CORNER BARS.
- SLABS
14. REINFORCE ALL SLABS ON GRADE w/ 4 BARS AT 18" O.C. EACH WAY
15. RECESS FOUNDATION AND POUR SLABS THROUGH, TYPICAL AT ALL EXTERIOR DOORS AND STORE FRONT TYPE WINDOWS. SEE FOUNDATION DETAILS.
16. DEPRESS SLABS AS REQUIRED IN AREAS OF CERAMIC TILE, SPECIAL ENTRY MATS, HARDWOOD FLOORS, ETC. COORDINATE LOCATION AND DEPTH WITH THE ARCHITECT.
17. PROVIDE ISOLATION JOINTS AROUND COLUMNS/SPREAD FOOTINGS, AND CONTROL JOINTS AS REQUIRED, PARTICULARLY WHERE SLABS TRANSITION IN SIZE.
18. THE CONTRACTOR SHALL TAKE CARE THAT HEAVY EQUIPMENT, AND AREAS USED FOR STAGING, DOES NOT CRACK AND DAMAGE SLABS ON GRADE. DAMAGED SLABS SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL EXPENSE TO THE OWNER.
19. REFER TO THE CIVIL PLANS FOR SPECIFICATION OF ALL EXTERIOR FLAT WORK.
- FOOTINGS
20. SEE FOOTING SCHEDULE FOR FOOTING SIZES AND REINFORCING REQUIREMENTS.
21. FOOTINGS HAVE BEEN DESIGNED USING AN ALLOWABLE BEARING PRESSURE. A GEOTECHNICAL REPORT SHALL BE PROVIDED TO THE ENGINEER TO VERIFY PRESSURES USED FOR DESIGN. SEE STRUCTURAL PLANS AND CALCULATIONS FOR ACTUAL BEARING PRESSURE USED.
22. ALL EXTERIOR FOOTINGS SHALL BEAR BELOW FROST DEPTH. CONTRACTOR TO VERIFY.
23. THE CONTRACTOR SHALL COORDINATE STEPS IN FOOTINGS WITH THE ARCHITECT, AND SHALL VERIFY WITH THE ENGINEER.
- STRUCTURAL FILL
24. STRUCTURAL FILL SHALL BE SPECIFIED AND APPROVED BY THE SOILS ENGINEER OF RECORD, BY WAY OF A GEOTECHNICAL REPORT, AS BEING APPROPRIATE FOR THE APPLICATION. STRUCTURAL FILL SHALL BE PROVIDED IN THE BUILDING PAD AND PAVEMENT AREAS AS NECESSARY.
25. STRUCTURAL FILL SHOULD BE PLACED IN LOOSE LIFTS A MAXIMUM OF EIGHT INCHES (8"). FILL SHALL HAVE A MOISTURE CONTENT WITHIN 2% OF OPTIMUM AND SHALL BE COMPACTED TO AT LEAST 95% MAXIMUM DENSITY (ASTM D 1557).
26. FOOTINGS SHALL BE SUPPORTED ON UNDISTURBED NATIVE SOILS. SEE SITE PLAN FOR FILL REQUIRED TO RAISE THE BUILDING PAD TO REQUIRED ELEVATIONS.
27. SLABS ON GRADE SHALL BE SUPPORTED ON UNDISTURBED NATIVE SOILS. SLABS ON GRADE SHALL ALSO BE CONSTRUCTED OVER 4" FREE DRAINING BASE.
28. CONTRACTOR SHALL EMPLOY THE GEOTECHNICAL ENGINEER TO OBSERVE AND APPROVE THE EXCAVATION PRIOR TO PLACING STRUCTURAL FILL OR FORMING FOOTINGS. CONTRACTOR SHALL ALSO PROVIDE A FIVE FOOT DEEP TRENCH w/ A BACKHOE FOR OBSERVATION BY GEOTECHNICAL ENGINEER.

CONCRETE EXPOSURE CLASS	
ELEMENT	EXP. CLASS
FOOTINGS	F1, S0, W0, C1
SLABS ON GRADE	F1, S0, W0, C1

3

GENERAL STEEL NOTES

1. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.
2. ALL WORK TO BE IN STRICT ACCORDANCE WITH THE 2018 IBC, AISC, AND LOCAL ORDINANCES.
3. ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO FABRICATION AND ERECTION.
4. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
5. SEE ARCHITECTURAL SHEETS FOR DECK BEARING ELEVATIONS. STRUCTURAL STEEL DETAILER SHALL DETERMINE ALL BEARING PLATE ELEVATIONS FROM ARCHITECTURAL DECK ELEVATIONS
6. SEE ARCHITECTURAL SHEETS FOR ADDITIONAL DIMENSIONS.
7. SEE ARCHITECTURAL FOR ACCESS HATCHES, DRAFT STOPS, ETC.
8. SUBMIT SHOP DRAWINGS OF ALL STRUCTURAL STEEL, STEEL JOISTS, STEEL DECKING & MISCELLANEOUS STEEL TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
9. SEE FRAMING PLANS FOR ADDITIONAL NOTES AND REQUIREMENTS.
- STRUCTURAL STEEL (FOR MEZZANINE FRAMING)
10. ALL WIDE FLANGE MEMBERS TO BE MANUFACTURED UNDER ASTM A992.
11. ALL STRUCTURAL PLATES, CHANNELS & ANGLES TO BE MANUFACTURED UNDER ASTM A36
12. ALL HSS MEMBERS TO BE MANUFACTURED UNDER ASTM A500 GRADE B.
13. ALL PIPE COLUMNS TO BE MANUFACTURED UNDER ASTM A53 GRADE B.
14. ALL BOLTS FOR STEEL TO STEEL CONNECTIONS TO BE 3/4" DIA. MIN. A325-N HIGH STRENGTH BOLTS, UNLESS NOTED OTHERWISE. BOLTS EMBEDDED IN CONCRETE OR MASONRY SHALL BE F1554 GRADE 36 UNLESS NOTED OTHERWISE.
15. ALL JOIST WELDS TO BE E7024. ALL DECK WELDS TO BE E6022. ALL WELDS FOR SEISMIC SPECIFIC CONNECTIONS TO BE E7018. ALL OTHER WELDS TO BE 70 KSI MIN. ALL WELDS SHALL BE BY A CERTIFIED WELDER.
16. ALL WELDS AND BOLTING TO MEET APPROVAL OF SPECIAL INSPECTOR AS REQUIRED BY BUILDING OFFICIAL.
17. ALL STEEL SHALL BE PROPERLY PRIMED EXCEPT AREAS THAT REQUIRE FIELD WELDING (i.e. TOP OF BEAMS).
18. SEE ARCHITECTURAL, MECHANICAL & ELECTRICAL FOR ADDITIONAL STEEL MEMBERS (BRACKETS, ANGLES, ETC...) REQUIRED.
19. STEEL MEMBERS SHALL NOT BE CUT, DRILLED OR TORCHED FOR PIPES, ETC. UNLESS SPECIFICALLY DETAILED.
20. ANY MODIFICATION OF STRUCTURAL MEMBERS NOT SPECIFICALLY DETAILED ON THE STRUCTURAL PLANS IS NOT PERMITTED WITHOUT PRIOR APPROVAL.
21. ANY CONNECTIONS NOT DETAILED ON STRUCTURAL PLANS SHALL BE PROVIDED BY THE STEEL DETAILER. SHOP DRAWINGS FOR ALL FABRICATED STEEL CONNECTIONS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO FABRICATION AND INSTALLATION.

4

GENERAL WOOD FRAMING NOTES

1. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.
2. ALL WORK TO BE IN STRICT ACCORDANCE WITH THE 2018 IBC, NDS, AND LOCAL ORDINANCES.
- DIMENSIONAL LUMBER
3. DIMENSIONAL LUMBER USED AS STRUCTURAL FRAMING (i.e. JOISTS, RAFTERS, HEADERS) SHALL BE DOUGLAS FIR-LARCH 2 OR EQUAL.
4. DIMENSIONAL LUMBER USED FOR STUD WALLS SHALL BE STUD GRADE UNLESS NOTED OTHERWISE. STUDS SHALL BE SPACED AT 16" O.C. MINIMUM, WITH A DOUBLE TOP PLATE. SPLICES IN THE DOUBLE TOP PLATE SHALL ALTERNATE TOP & BOTTOM AND SHALL LAP 48" MIN.
5. ROUGH CUT TIMBER USED AS STRUCTURAL FRAMING SHALL BE AS SPECIFIED IN THE CONSTRUCTION DOCUMENTS.
- ENGINEERED LUMBER
6. GLU-LAMINATED BEAMS FOR SIMPLE SPANS SHALL BE 24F-V4 DF/DF. GLU-LAMINATED BEAMS FOR CONTINUOUS SPANS AND CANTILEVERS SHALL BE 24F-V8 DF/DF. DO NOT INSTALL GLU-LAMINATED BEAMS UPSIDE DOWN. USE EXTERIOR GRADE GLU-LAMS FOR LACATIONS OUTSIDE BUILDING
7. LAMINATED VENEER LUMBER AND THE LIKE SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS AND SPECIFICATIONS. LVL BEAMS SHALL BE BUILT UP w/ 1 3/4" MEMBERS. SEE FRAMING PLANS FOR NUMBER OF MEMBERS REQUIRED.
8. I-JOISTS SHALL BE TJI OR EQUIVALENT, AND SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS AND SPECIFICATIONS.
9. ENGINEERED LUMBER, WITH THE EXCEPTION OF EXTERIOR GRADE GLU-LAMINATED LUMBER, SHALL NOT BE USED IN EXTERIOR APPLICATIONS.
10. USE PRESSURE TREATED LUMBER FOR ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY IN CONTACT WITH EARTH (i.e. MUD SILL). IN SOME SITUATIONS, 26 GAUGE GALVANIZED SHEET METAL MAY BE PROVIDED AS AN APPROVED MOISTURE BARRIER. SEE ENGINEER FOR APPROVAL OF THIS OPTION.
- BLOCKING, BRIDGING & MISCELLANEOUS
11. DIMENSIONAL JOISTS AND RAFTERS SHALL HAVE FULL-HEIGHT SOLID BLOCKING AT THEIR BEARING POINTS. EACH RAFTER AND/OR ROOF TRUSS SHALL BE ANCHORED WITH SIMPSON H1 ANCHORS AT EACH END.
12. I-JOISTS AND RAFTERS SHALL HAVE FULL-HEIGHT SOLID BLOCKING AT THEIR BEARING POINTS. CONNECT EACH BLOCK TO TOP OF EXTERIOR WALLS WITH SIMPSON A34 CLIPS. EACH JOIST OR RAFTER SHALL BE ANCHORED WITH SIMPSON H2.5 ANCHORS AT EACH END.
13. WOOD MEMBERS SHALL NOT BE CUT FOR PIPES, ETC. UNLESS SPECIFICALLY DETAILED
14. BIRDS MOUTHS AND/OR NOTCHING OF STRUCTURAL MEMBERS NOT SPECIFICALLY DETAILED ON THE STRUCTURAL PLANS IS NOT PERMITTED WITHOUT PRIOR APPROVAL.
- COLUMNS & STUDS
15. ALL COLUMNS SHALL EXTEND DOWN THROUGH THE STRUCTURE TO THE FOUNDATION. COLUMNS SHALL BE BRACED AT EACH FLOOR LEVEL. COLUMNS SHALL BE AS WIDE AND DEEP AS THE MEMBER THEY SUPPORT IN ORDER TO PROVIDE FULL BEARING.
16. STAND ALONE POSTS SHALL BE DOUGLAS FIR-LARCH 10R EQUAL.
17. ALL FLOOR SHEATHING TO BE 3/4" THICK T&G SHEATHING GLUED AND NAILED WITH 10d COMMON NAILS OR EQUAL AT 6" O.C. PERIMETER, 6" O.C. PANEL EDGES AND AT 10" O.C. IN THE FIELD. PANEL EDGES ARE UNBLOCKED UNLESS NOTED OTHERWISE ON THE STRUCTURAL PLANS.
18. ALL INDICATED SHEAR WALLS SHALL BE SHEATHED WITH 7/16" APA EXP. 1 RATED SHEATHING OR EQUAL WITH 8d COMMON NAILS AT 6" O.C. EDGES AND AT 12" O.C. IN THE FIELD. FLAT BLOCKED AT ALL PANEL EDGES, UNLESS NOTED OTHERWISE IN SHEAR WALL SCHEDULE.
- STRUCTURAL CONNECTIONS
19. THE CONTRACTOR IS ULTIMATELY RESPONSIBLE TO PROVIDE ADEQUATE STRUCTURAL CONNECTIONS. CONNECTIONS MUST CARRY THE BEARING CAPACITY OF THE MEMBER AND ANY UPLIFT OR SEISMIC FORCES GENERATED IN THE MEMBER. SPECIAL CONSIDERATION SHALL BE GIVEN TO PREVENT CRUSHING OF THE MEMBER AT BEARING, SPLITTING AND/OR CRACKING OF THE WOOD, AND THE LIKE.
20. THE CONTRACTOR SHALL STRICTLY ADHERE TO THE CONNECTION DETAILS SPECIFIED ON THE PLANS OR INCLUDED WITH THE CONSTRUCTION DOCUMENTS. PRIOR APPROVAL IS REQUIRED FOR ANY DEVIATION FROM THE CONSTRUCTION DOCUMENTS.
21. SUBSTITUTION OF CONNECTIONS OTHER THAN THOSE SPECIFIED ON THE PLANS REQUIRES PRIOR APPROVAL. THE ENGINEER IS NOT RESPONSIBLE FOR CONNECTIONS NOT APPROVED PRIOR TO CONSTRUCTION OR INSTALLATION.
22. IF CONNECTION DETAILS, APPROVED BY THE ENGINEER, HAVE NOT BEEN PROVIDED IN THE CONSTRUCTION DOCUMENTS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO SPECIFY AND PROVIDE ALL STRUCTURAL CONNECTIONS. IF OTHER THAN STANDARD CONNECTIONS ARE REQUIRED, SEE ENGINEER FOR ADDITIONAL ASSISTANCE.
23. USE SIMPSON CONNECTIONS OR EQUIVALENT. INSTALL PER MANUFACTURERS SPECIFICATIONS.
24. SHOP DRAWINGS FOR ALL FABRICATED STEEL CONNECTIONS SHALL BE SUBMITTED FOR REVIEW & APPROVAL PRIOR TO FABRICATION AND INSTALLATION. SEE GENERAL STEEL NOTES.
25. SEE GENERAL CONCRETE NOTES FOR SPECIFICATION OF ANCHOR BOLTS, ETC. IN NO CASE SHALL THE MUD SILL BE NOTCHED FOR THE INSTALLATION OF PLATE WASHERS, OR FOR ANY OTHER REASON.
26. ALL STRUCTURAL MEMBERS SHALL HAVE 1 3/4" MINIMUM BEARING.
27. FOR ADDITIONAL NAILING PATTERN, SEE SCHEDULES IN THE INTERNATIONAL BUILDING CODE (IBC).
- STAIR FRAMING
28. STAIR STRINGERS SHALL BE 11 7/8" LVLs AT 16" O.C. (MAX.) w/ A MAXIMUM HORIZONTAL RUN OF 12'-0". USE 14" LVL UP TO 16'-0" RUN

5




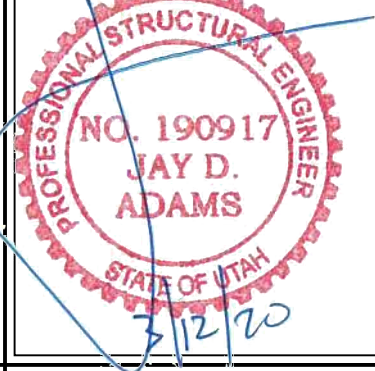
△	MARK	REVISION	DATE

DESIGN CRITERIA

1. GOVERNING BUILDING CODE: 2018 INTERNATIONAL BUILDING CODE (IBC)
2. FLOOR LIVE LOADING:
 - a. STORATE 125 psf
3. FLOOR DEAD LOADS:
 - a. FRAMED FLOOR 15 PSF
4. EARTHQUAKE:
 - a. RISK CATEGORY II
 - b. SEISMIC DESIGN CATEGORY B
 - c. SPECTRAL RESPONSE ACCELERATIONS:
Ss = 1.165g
S1 = 0.176g
S1 = 0.052g
S01 = 0.084g
 - d. SOIL SITE CLASS: D
F0 = 1.0
Fv = 1.3
 - e. IMPORTANCE FACTOR, Ie 1.0
 - f. DESIGN BASE SHEAR Csw
 - g. SEISMIC RESPONSE COEFFICIENT, Cs 0.027 (MEZZ.)
 - h. ANALYSIS PROCEDURE EQUIV. LATERAL FORCE (MEZZ.)
 - i. BASIC SEISMIC FORCE RESISTING SYSTEM WOOD SHEARWALLS (MEZZ.)
 - j. RESPONSE MODIFICATION FACTOR, R 6.5
5. WIND:
 - a. BASIC WIND SPEED (3 SECOND GUST) 115 mph (ULTIMATE)
90 mph (NOMINAL)
 - b. EXPOSURE C
 - c. INTERNAL PRESSURE COEFFICIENT, GC P1 0.18
 - d. COMPONENTS AND CLADDING PRESSURE VARIES
6. FOUNDATION:
 - a. SOILS REPORT BY: NONE
DATED NONE
 - b. SOIL BEARING PRESSURE 1,500 PSF (ASSUMED)

DEFERRED SUBMITTALS

1. THE CONTRACTOR SHALL SUBMIT THE FOLLOWING DOCUMENTS TO THE ARCHITECT AND ENGINEER OF RECORD FOR REVIEW AND APPROVAL. THE DOCUMENTS MUST BE PREPARED AND STAMPED BY AN ENGINEER LICENSED IN THE STATE OF UTAH. THE DOCUMENTS MAY BE SUBMITTED AFTER THE BUILDING PERMIT IS ISSUED, BUT MUST BE SUBMITTED AND APPROVED PRIOR TO COMMENCING FABRICATION OR CONSTRUCTION OF THE COMPONENTS.
 - a. SEISMIC BRACING FOR MEP COMPONENTS
 - b. NON-STRUCTURAL COMPONENTS

 <div>DYNAMIC STRUCTURES</div> <div>1887 NORTH 1120 WEST PROVO, UTAH 84604 PH: (801) 356-1140 FAX: (801) 356-0001</div>			
<div>ANETH CHAPTER, NAVAJO NATION</div> <div>ANETH, UTAH</div>			
<div>DIVISION OF FACILITIES CONSTRUCTION & MANAGEMENT 4110 STATE OFFICE BUILDING SALT LAKE CITY, UTAH 84114 PHONE: (801) 769-3000 FAX: (801) 538-3267</div>			
PROJECT NO: 19337310			
 <div>233 SOUTH PLEASANT GROVE BLVD SUITE # 105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com</div>		<div>DATE: 20 JAN. 2020</div> <div>PROJECT #: 19-073</div> <div>PROJ. MAN.: J.D.A.</div> <div>CHECKED BY: J.D.A.</div> <div><small>THE INFORMATION HEREIN IS THE PROPERTY OF CURTIS MINER ARCHITECTURE AND MAY NOT BE REPRODUCED WITHOUT WRITTEN CONSENT. © CURTIS MINER ARCHITECTURE, LLC.</small></div>	
PROJECT: ANETH BUS BUILDING			
HIGHWAY 162 & RIVERSIDE CT BETWEEN ADMIN & HEAD START BUILDINGS ANETH, UTAH 84534			
SHEET DESCRIPTION: GENERAL NOTE SHEET		SHEET: S001	

1

2

SPECIAL INSPECTION SCHEDULE

SOILS (IBC1705.6)				
REQ'D	TASK	INSPECTION FREQUENCY		COMMENTS:
		CONT.	PERIODIC	
X	VERIFY ADEQUATE MATERIALS BELOW FOOTINGS		◆	PRIOR TO PLACEMENT OF CONCRETE.
X	EXCAVATION EXTEND TO PROPER DEPTH AND MATERIALS		◆	PRIOR TO PLACEMENT OF COMPACTED FILL OR CONCRETE.
X	CLASSIFICATION AND TESTING OF FILL MATERIALS		◆	CHECK CLASSIFICATION AND GRADATIONS AT EACH LIFT, BUT NOT LESS THAN ONCE FOR EACH 10,000 FT ² OF SURFACE AREA.
X	VERIFY PROPER FILL MATERIALS, LIFT THICKNESSES AND IN-PLACE DENSITIES	◆		
X	VERIFY PROPERLY PREPARED SITE AND SUBGRADE		◆	PRIOR TO PLACEMENT OF CONCRETE.

A

CONCRETE CONSTRUCTION (IBC1705.3)				
REQ'D	TASK	INSPECTION FREQUENCY		COMMENTS:
		CONT.	PERIODIC	
X	REINFORCING STEEL PLACEMENT		◆	VERIFY SIZE, CLEARANCES, SPLICES AND PROPER TIES.
X	REINFORCING BAR WELDING a. WELDABILITY OF NON ASTM A706 BARS b. SINGLE PASS FILLED WELDS < ⅝" c. ALL OTHER WELDS	◆	◆	
X	CAST IN ANCHORS		◆	VERIFY MIX DESIGN MEETS STRENGTH AND EXPOSURE REQUIREMENTS LISTED ON APPROVED PLANS.
X	POST-INSTALLED ANCHORS a. ADHESIVE ANCHORS INSTALLED HORIZ. or UPWARDLY INCLINED RESISTING SUSTAINED TENSION LOADS b. POST INSTALLED ANCHORS NOT DEFINED IN a.	◆	◆	IN ACCORDANCE WITH APPROVED ICC-ES REPORT, PERIODIC INSPECTIONS ALLOWED IF STATED IN ES REPORT.
X	VERIFY REQUIRED DESIGN MIX		◆	VERIFY MIX DESIGN MEETS STRENGTH AND EXPOSURE REQUIREMENTS LISTED ON APPROVED PLANS.
X	SLUMP, AIR + TEMPERATURE TESTS. PREPARE STRENGTH TEST SAMPLES	◆		
X	CONCRETE PLACEMENT	◆		INCLUDES SAMPLING FOR AIR, SLUMP, STRENGTH AND TEMPERATURE TECHNIQUES.
X	CURING TEMPERATURE MAINTENANCE		◆	
	PRESTRESSED CONCRETE a. PRESTRESSING FORCES b. GROUTING OF BONDED TENDONS	◆	◆	
	ERECTION OF PRECAST MEMBERS		◆	
	POST-TENSIONED CONCRETE STRENGTH		◆	
X	INSPECT FORMWORK		◆	

B

COLD-FORMED STEEL CONSTRUCTION (IBC1705.11.2&1705.12.3)				
REQ'D	TASK	INSPECTION FREQUENCY		COMMENTS:
		CONT.	PERIODIC	
	COMPONENTS OF WIND AND SEISMIC-FORCE RESISTING SYSTEMS		◆	VERIFY PROPER SCREW ATTACHMENT, BOLTING AND ANCHORING OF SHEAR WALLS, BRACES AND HOLDOWNS HAVING A FASTENER SPACING ≤ 4" O.C.
	FIELD WELDING OF ELEMENTS OF MAIN LATERAL FORCE RESISTING SYSTEM.		◆	

C

OTHER THAN STRUCTURAL STEEL (IBC1705.2.2)				
REQ'D	TASK	INSPECTION FREQUENCY		COMMENTS:
		CONT.	PERIODIC	
	STEEL ROOF & FLOOR DECK:			
	MATERIAL VERIFICATION OF STEEL DECK		◆	IDENTIFICATION MARKINGS PER APPLICABLE ASTM STANDARD
	ROOF AND DECK WELDS		◆	VERIFY THAT WELDS CONFORM TO AWS D1.3.
	WELDING OF REINFORCING STEEL:			
	VERIFICATION OF WELDABILITY (EXCEPT A706 BAR)		◆	VERIFY MATERIAL IS ABLE TO CONFORM TO AWS D1.4.

D

INSTALLATION OF OPEN-WEB STEEL JOISTS AND GIRDERS (IBC 1705.2.3)				
REQ'D	TASK	INSPECTION FREQUENCY		COMMENTS:
		CONT.	PERIODIC	
	END CONNECTIONS		◆	SJI 2207.1
	BRIDGING - HORIZONTAL OR DIAGONAL a. STANDARD BRIDGING b. NON-STANDARD BRIDGING		◆	SJI 2207.1

3

MASONRY CONSTRUCTION (IBC1705.4)				
REQ'D	TASK	INSPECTION FREQUENCY		COMMENTS:
		CONT.	PERIODIC	
	MINIMUM TESTING (TABLE 1.19.2, TMS - 402/ACI 530-11):			
	VERIFICATION OF SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) FOR SELF-CONSOLIDATING GROUT.		◆	COMPRESSIVE STRENGTH TESTS PER ASTM C 1019 FOR SLUMP FLOW AND ASTM C 1611 FOR VSI.
	VERIFICATION OF F _m		◆	DETERMINE COMPRESSIVE STRENGTH PER 'UNIT STRENGTH' OR 'PRISM TEST' AS SPECIFIED IN ARTICLE 1.4.B OF ACI 530.1 PRIOR TO CONSTRUCTION.
	PRIOR TO CONSTRUCTION (ARTICLE 1.15, TMS-602/ACI 530.1-11):			
	REVIEW MATERIAL CERTIFICATES, MIX DESIGNS, TEST RESULTS AND CONSTRUCTION PROCEDURES		◆	VERIFY MATERIALS CONFORM TO APPROVED CONSTRUCTION DOCUMENTS. MIX DESIGN, TEST RESULTS, MATERIAL CERTIFICATES, AND CONSTRUCTION PROCEDURES SHOULD BE SUBMITTED FOR REVIEW. MORTAR MIX DESIGNS SHALL CONFORM TO ASTM C 270 WHILE GROUT SHALL CONFORM TO ASTM C 476. MATERIAL CERTIFICATES SHALL BE PROVIDED FOR THE FOLLOWING: REINFORCEMENT, ANCHORS, TIES, FASTENERS, AND METAL ACCESSORIES; MASONRY UNITS; MORTAR AND GROUT MATERIALS. REVIEW COLD-WEATHER OR HOT-WEATHER CONSTRUCTION PROCEDURES.
	AS CONSTRUCTION BEGINS (TABLE 1.19.2, TMS-402/ACI 530-11):			
	PROPORTIONS OF SITE-PREPARED MORTAR		◆	VERIFY THAT MORTAR IS TYPE AND COLOR SPECIFIED ON APPROVED PLANS, IT CONFORMS TO ASTM C 270, AND IS MIXED PER ARTICLE 2.6.A OF ACI 530.1.
	CONSTRUCTION OF MORTAR JOINTS		◆	VERIFY MORTAR JOINTS MEET ARTICLE 3.3.B OF ACI 530.1.1
	GRADE AND SIZE OF PRE-STRESSING TENDONS AND ANCHORAGES		◆	VERIFY THAT PRE-STRESSING TENDONS CONFORM TO REQUIREMENTS OF ARTICLE 2.4B AND 2.4H OF ACI530.1
	LOCATION OF REINFORCEMENT, CONNECTORS AND ANCHORAGES.		◆	VERIFY REINFORCEMENT IS PLACED IN ACCORDANCE WITH ARTICLE 3.4 OF 530.1.
	PRE-STRESSING TECHNIQUE		◆	VERIFY PRE-STRESSING TECHNIQUE CONFORMS TO ARTICLE 3.6B OR ACI 530.1
	PROPERTIES OF THIN BED MORTAR FOR AAC MASONRY	◆	◆	VERIFY REINFORCEMENT IS PLACED IN ACCORDANCE WITH ARTICLE 3.4 OF 530.1.
	PRIOR TO GROUTING (TABLE 1.19.2, TMS-402/ACI 530-11):			
	GROUT SPACE		◆	VERIFY GROUT SPACE IS FREE OF MORTAR DROPPINGS, DEBRIS, LOOSE AGGREGATE, AND OTHER DELETERIOUS MATERIALS AND THAT CLEANOUTS ARE PROVIDED PER ARTICLE 3.2D AND 3.2F OF ACI 530.1
	GRADE, TYPE AND SIZE OF REINFORCEMENT, ANCHOR BOLTS AND ANCHORAGES.		◆	VERIFY REINFORCEMENT, JOINT REINFORCEMENT, ANCHOR BOLTS AND VENEER ANCHORS COMPLY WITH APPROVED PLANS AND SECTIONS 1.6 OF ACI 530.
	PLACEMENT OF REINFORCEMENT, CONNECTORS AND ANCHORAGES.		◆	VERIFY REINFORCEMENT, JOINT REINFORCEMENT, ANCHOR BOLTS AND VENEER ANCHORS ARE INSTALLED PER APPROVED PLANS AND ARTICLES 3.2.E, 3.4, AND 3.6.A OF ACI 530.1.
	PROPORTIONS OF SITE-PREPARED GROUT.		◆	VERIFY GROUT PROPORTIONS MEET ASTM C 476 AND A SLUMP BETWEEN 8-11 INCHES. SELF-CONSOLIDATED GROUT SHALL NOT BE PROPORTIONED ONSITE.
	CONSTRUCTION OF MORTAR JOINTS		◆	VERIFY MORTAR JOINTS PLACED IN ACCORDANCE WITH ARTICLE 3.3.B OF ACI 530.1.
	DURING CONSTRUCTION (TABLE 1.19.2, TMS-402/ACI 530-11):			
	SIZE AND LOCATION OF STRUCTURAL ELEMENTS		◆	VERIFY LOCATIONS OF STRUCTURAL ELEMENTS PER APPROVED PLANS AND CONFIRM TOLERANCES MEET ARTICLE 3.3.F OF ACI 530.1.
	TYPE, SIZE AND LOCATION OF ANCHORS, FRAMES, ETC.		◆	VERIFY CORRECT ANCHORAGES AND CONNECTIONS ARE PROVIDED PER APPROVED PLANS AND SECTIONS 1.16.4.3 AND 1.17.1 OF ACI 530.
	WELDING OF REINFORCEMENT	◆		VERIFY CONFORMANCE WITH SECTIONS 2.1.7.7.2, 3.3.3.4 (c) AND 8.3.3.4 (b) OF ACI 530
	APPLICATION AND MEASUREMENT OF PRE-STRESSING FORCE	◆		VERIFY CONFORMANCE WITH ARTICLE 3.6B OF ACI 530.1
	PLACEMENT OF GROUT	◆		
	PREPARATION, CONSTRUCTION AND PROTECTION OF MASONRY DURING COLD WEATHER (< 40°F) OR HOT WEATHER (> 90°F).		◆	VERIFY COLD-WEATHER CONSTRUCTION COMPLIES WITH ARTICLE 1.8.C OF ACI 530.1 AND HOT WEATHER CONSTRUCTION PER ARTICLE 1.8.D OF ACI 530.1.
	PLACEMENT OF GROUT AND PRE-STRESSING GROUT FOR BONDED TENDONS	◆		VERIFY COMPLIANCE WITH ARTICLE 3.5, 3.6C OF ACI 530.1
	OBSERVATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND / OR PRISMS.		◆	CONFIRM SPECIMENS/ PRISMS ARE PERFORMED AS REQUIRED BY ARTICLE 1.4 OF ACI 530.1.

4

WOOD CONSTRUCTION (IBC1705.11.2)				
REQ'D	TASK	INSPECTION FREQUENCY		COMMENTS:
		CONT.	PERIODIC	
	COMPONENTS OF WIND AND SEISMIC-FORCE RESISTING SYSTEMS		◆	VERIFY PROPER SCREW ATTACHMENT, BOLTING AND ANCHORING OF SHEAR WALLS, BRACES AND HOLDOWNS HAVING A FASTENER SPACING ≤ 4" O.C.
	FIELD GLUING OF MAIN LATERAL FORCE RESISTING SYSTEM	◆		

STATEMENT OF SPECIAL INSPECTIONS

1. THE PROJECT OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED BELOW. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE TO THE SATISFACTION OF THE BUILDING OFFICIAL FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION. THESE INSPECTIONS ARE IN ADDITION TO THE INSPECTIONS REQUIRED BY THE BUILDING DEPARTMENT OF THE LOCAL JURISDICTION.

2. SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE WITH APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO THE COMPLETION OF THAT A PHASE OF THE WORK. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED AT A POINT IN TIME AGREED UPON BY THE PERMIT APPLICANT AND THE BUILDING OFFICIAL PRIOR TO THE START OF WORK.
3. SPECIAL INSPECTIONS FOR EACH TASK SHALL BE CARRIED OUT IN COMPLIANCE WITH REQUIREMENTS PER THE CURRENT IBC AND OTHER MATERIAL STANDARDS.

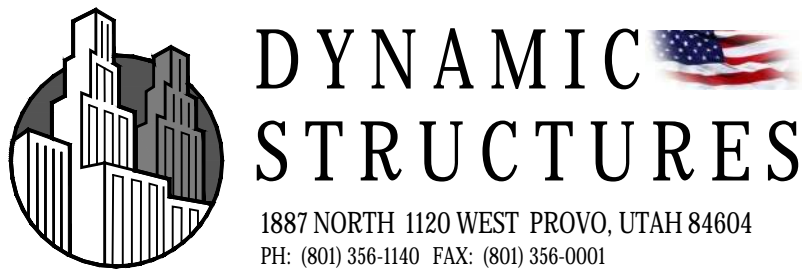
FABRICATION SHOP REQUIREMENTS

4. WHERE FABRICATION OF STRUCTURAL LOAD BEARING MEMBERS AND ASSEMBLIES IS BEING PERFORMED ON THE PREMISES OF A FABRICATORS SHOP, SPECIAL INSPECTIONS REQUIRED BELOW SHALL BE PROVIDED IN THE SHOP DURING THE FABRICATION PROCESS. THIS REQUIREMENT MAY BE EXCEPTED IF THE WORK IS DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION. A CERTIFICATE SHALL BE REQUIRED TO VERIFY SUCH APPROVAL. AT COMPLETION OF THE FABRICATION, THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE BUILDING OFFICIAL STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DRAWINGS.

5

MEZZANINE STEEL & STRUCTURAL STEEL CONSTRUCTION (IBC 1705.2, 1705.11, 1705.12)				
REQ'D	TASK	INSPECTION TYPE		COMMENTS:
		Q.C.	Q.A.	
	PRIOR TO WELDING (TABLE N5.4-1, AISC 360-10):			
	VERIFY WELDING PROCEDURES	P	P	
	MANUFACTURER CERTIFICATIONS	P	P	
	MATERIAL IDENTIFICATION	O	O	VERIFY TYPE AND GRADE OF MATERIAL.
	WELDER IDENTIFICATION	O	O	VERIFY THERE IS A SYSTEM IN PLACE TO IDENTIFY THE WELDER WHO HAS WELDED A JOINT OR MEMBER.
	FIT-UP GROOVE WELDS	O	O	VERIFY JOINT PREPARATION, DIMENSIONS, CLEANLINESS, TACKING AND BACKING.
	ACCESS HOLES	O	O	VERIFY CONFIGURATION AND FINISH.
	FIT-UP FILLET WELDS	O	O	VERIFY ALIGNMENT, GAPS AT ROOT, CLEANLINESS OF STEEL SURFACES, TACK WELD QUALITY AND LOCATION.
	CHECK WELDING EQUIPMENT	O	O	
	DURING WELDING (TABLE N5.4-2, AISC 360-10):			
	USE OF QUALIFIED WELDERS	O	O	VERIFY THAT WELDERS ARE APPROPRIATELY QUALIFIED.
	CONTROL AND HANDLING OF WELDING CONSUMABLES	O	O	VERIFY PACKAGING AND EXPOSURE CONTROL.
	CRACKED TACK WELDS	O	O	VERIFY WELDING IS NOT OVER A CRACKED TACK WELD.
	ENVIRONMENTAL CONDITIONS	O	O	VERIFY WIND SPEED IS WITHIN LIMITS AS WELL AS PRECIPITATION AND TEMPERATURE.
	WPS FOLLOWED	O	O	VERIFY ITEMS SUCH AS WELDING EQUIPMENT SETTINGS, TRAVEL SPEED, WELDING MATERIALS, SHIELDING GAS TYPE/FLOW RATE, PREHEAT APPLIED, INTERPASS TEMPERATURE MAINTAINED, AND PROPER POSITION.
	WELDING TECHNIQUES	O	O	VERIFY INTERPASS AND FINAL CLEANING. EACH PASS IS WITHIN PROFILE LIMITATIONS, AND QUALITY OF EACH PASS.
	AFTER WELDING (TABLE N5.4-3, AISC 360-10):			
	WELDS CLEANED	O	O	VERIFY THAT WELDS HAVE BEEN PROPERLY CLEANED.
	SIZE, LENGTH AND LOCATION OF WELDS	P	P	
	WELDS MEET VISUAL ACCEPTANCE CRITERIA	P	P	
	ARC STRIKES	P	P	
	PRIOR TO BOLTING (TABLE N5.6-1 AISC 360-10):			
X	MANUFACTURERS CERTIFICATIONS FOR FASTENERS	O	P	
X	FASTENERS MARKED w/ ASTM REQUIREMENTS	O	O	
X	PROPER FASTENERS SELECTED FOR DETAIL	O	O	
	PROPER PROCEDURE FOR DETAIL	O	O	
	CONNECTING ELEMENTS	O	O	
	PRE-INSTALLATION VERIFICATION TESTING	P	O	
X	PROPER STORAGE OF FASTENERS	O	O	
	DURING BOLTING (TABLE N5.6-2 AISC 360-10):			
X	FASTENER ASSEMBLIES	O	O	
X	JOINTS SNUG TIGHT PRIOR TO PRETENSIONING	O	O	
X	PROPER WRENCH USAGE	O	O	
	FASTENERS PRETENSIONED	O	O	
	AFTER BOLTING (TABLE N5.6-3, AISC 360-10):			
X	STRUCTURAL STEEL DETAILS	P	P	
O- OBSERVE THESE ITEMS ON A RANDOM BASIS. P- PERFORM THESE TASKS FOR EACH WELDED / BOLTED JOINT OR MEMBER (AISC 360-10 N5.4)				

△	MARK	REVISION	DATE



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DIVISION OF FACILITIES CONSTRUCTION & MANAGEMENT 4110 STATE OFFICE BUILDING SALT LAKE CITY, UTAH 84114 PHONE: (801) 769-3000 FAX: (801) 538-3267 cma@cna Utah.com		
PROJECT NO: 19337310		
 233 SOUTH PLEASANT GROVE BLVD SUITE # 105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cna Utah.com		DATE: 20 JAN. 2020 PROJECT #: 19-073 PROJ. MAN.: J.D.A. CHECKED BY: J.D.A.
PROJECT: ANETH BUS BUILDING		
HIGHWAY 162 & RIVERSIDE CT BETWEEN ADMIN & HEAD START BUILDINGS ANETH, UTAH 84534		
SHEET DESCRIPTION: SPECIAL INSPECTION SHEET		SHEET: S002

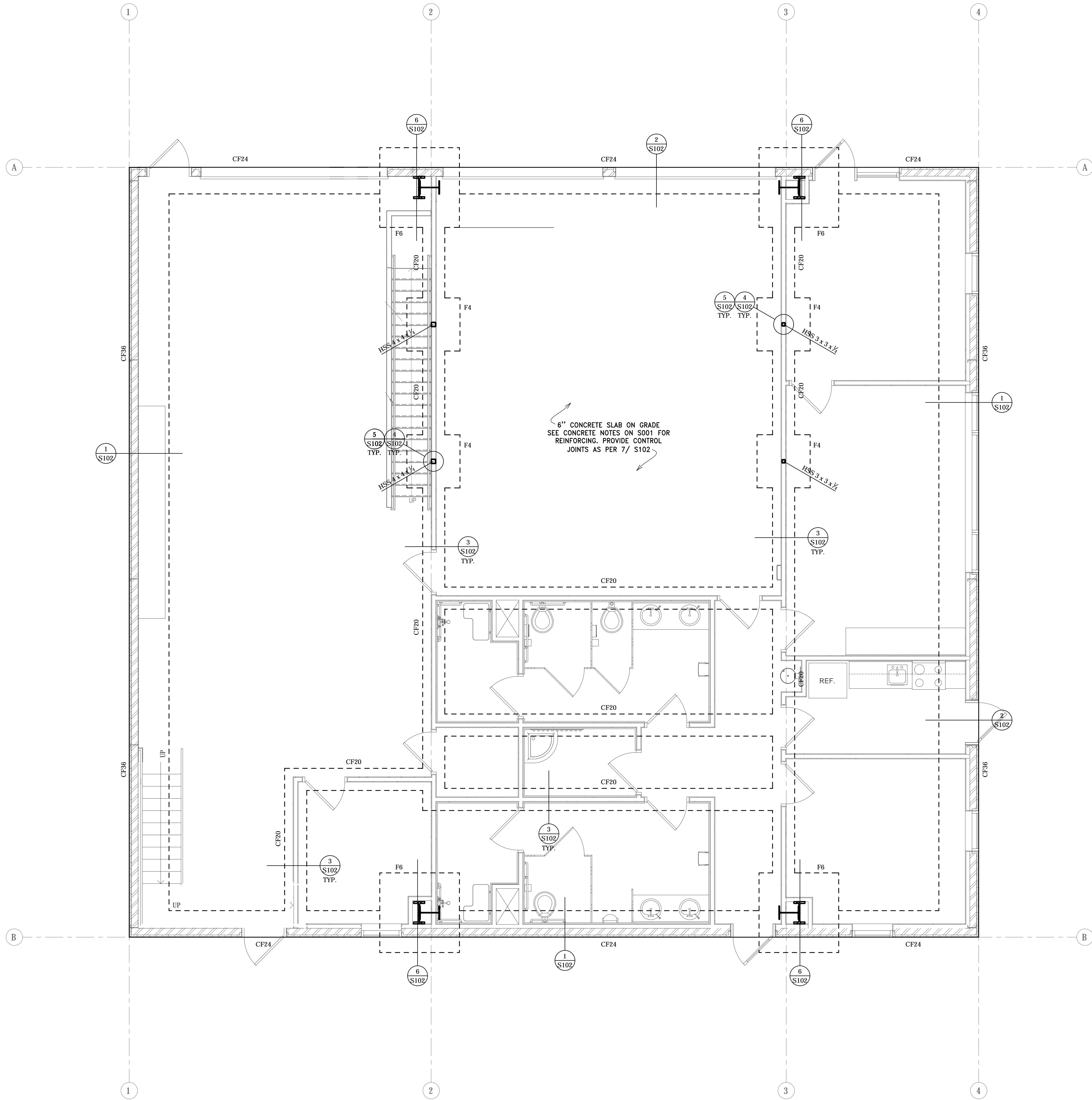
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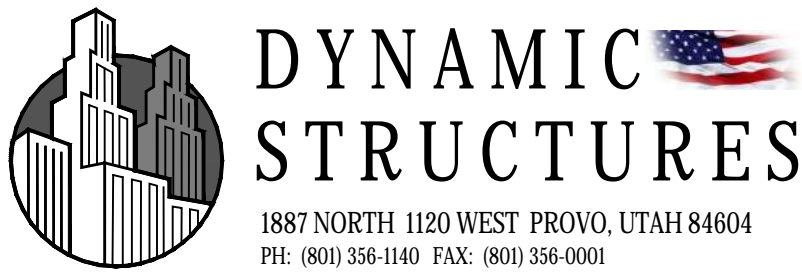
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FOOTING SCHEDULE											
MARK	WIDTH	LENGTH	DEPTH	REINFORCING CROSS-WISE				REINFORCING LENGTH-WISE			
				No.	SIZE	LENGTH	SPACING	No.	SIZE	LENGTH	SPACING
CF20	20"	CONT	12"	-	-	-	-	(3)	#4	CONT	EQUAL
CF24	24"	CONT	12"	-	-	-	-	(3)	#4	CONT	EQUAL
CF36	36"	CONT	12"	-	#4	30"	EQUAL	(4)	#4	CONT	EQUAL
F4	4'-0"	4'-0"	12"	(5)	#4	3'-6"	EQUAL	(5)	#4	3'-6"	EQUAL
F6	6'-0"	6'-0"	12"	(7)	#5	5'-6"	EQUAL	(7)	#5	5'-6"	EQUAL

NOTE:
UPON RECEIPT OF METAL BUILDING ENGINEERING,
ASSUMPTIONS FOR FOOTING SIZES SHALL BE
VERIFIED AND ADJUSTED AS NECESSARY



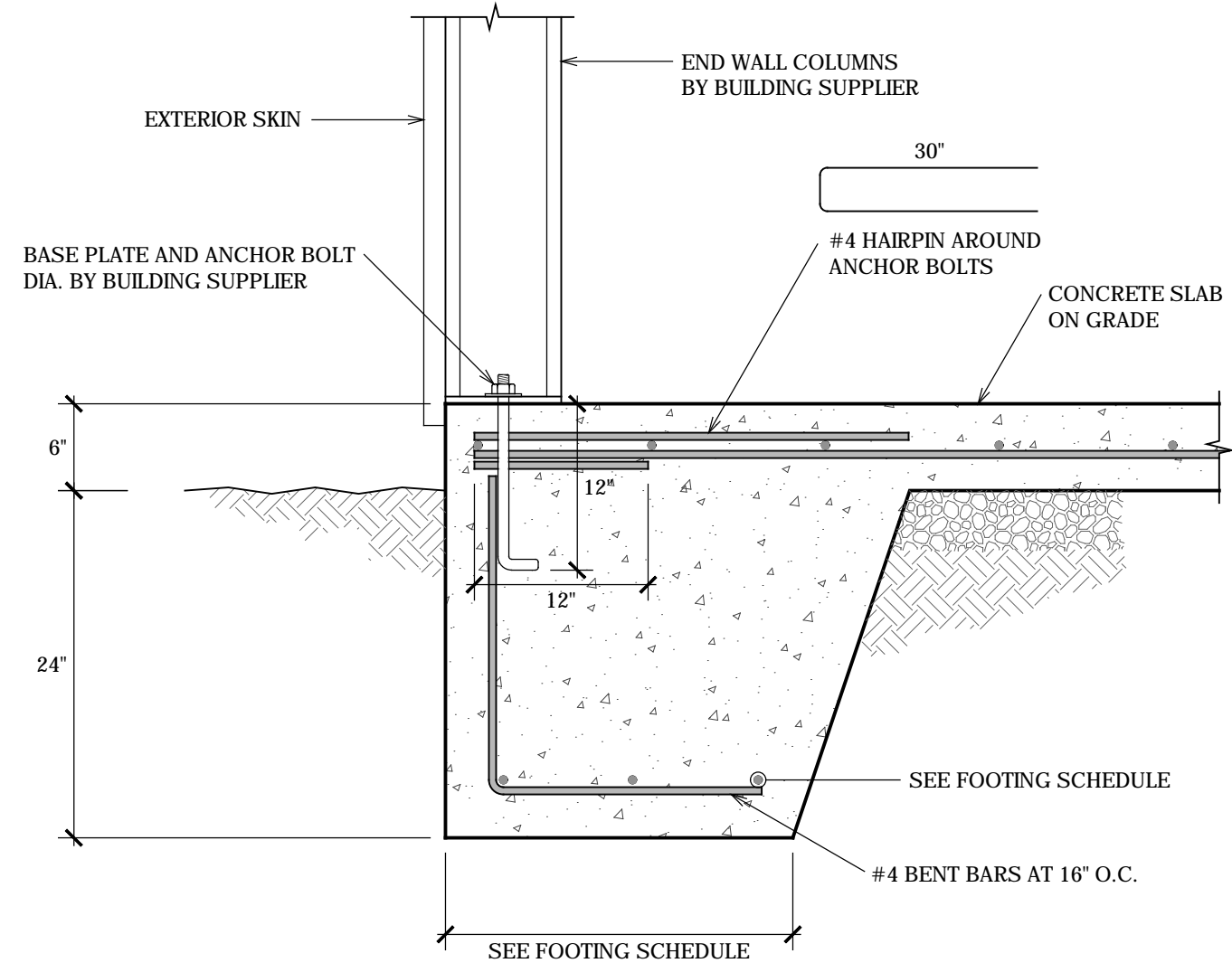
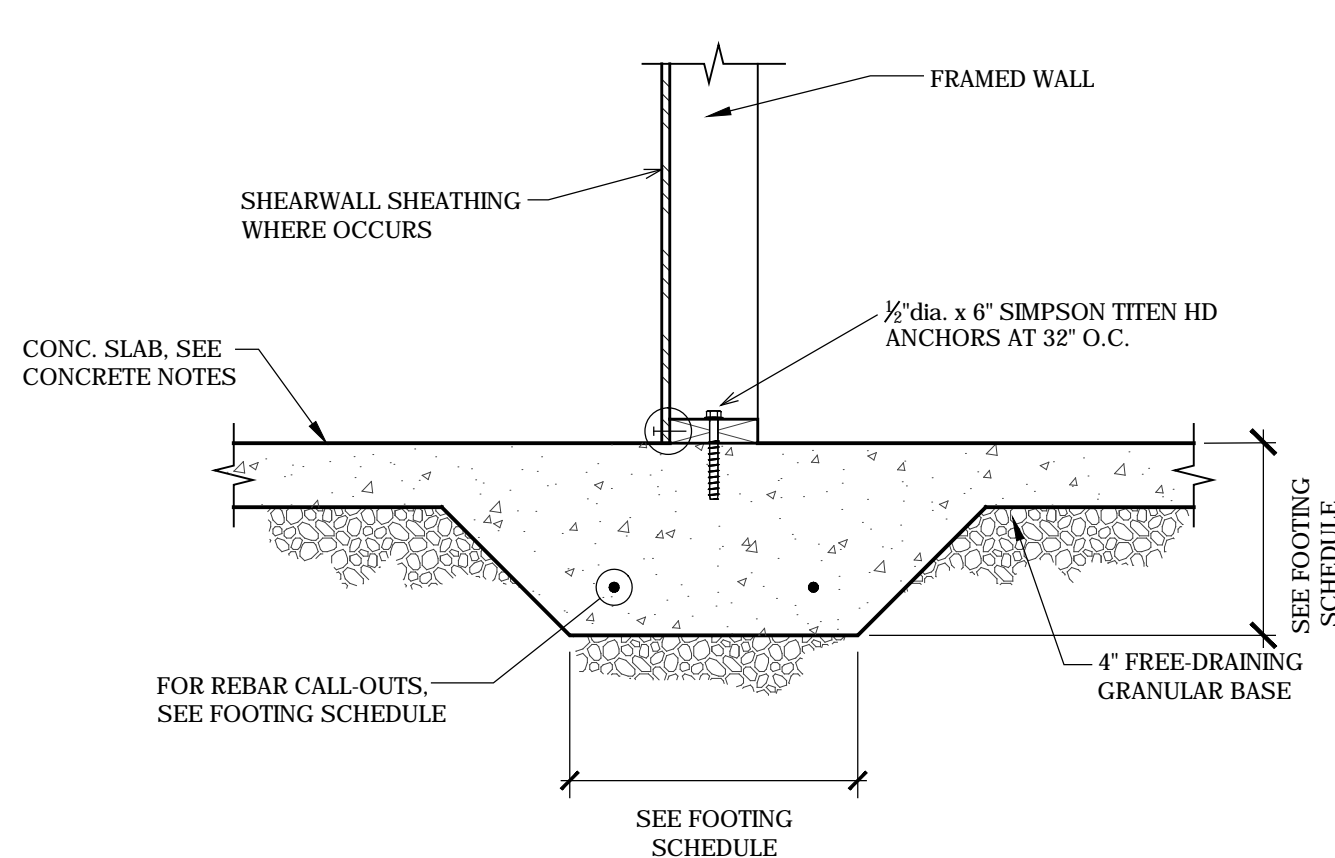
1887 NORTH 1120 WEST PROVO, UTAH 84604
PH: (801) 336-1140 FAX: (801) 336-0001

ANETH CHAPTER, NAVAJO NATION ANETH, UTAH		
DIVISION OF FACILITIES CONSTRUCTION & MANAGEMENT 4110 STATE OFFICE BUILDING SALT LAKE CITY, UTAH 84114 PHONE: (801) 538-3018 FAX: (801) 538-3267		
PROJECT NO: 19337310		
 CURTIS MINER ARCHITECTURE	233 SOUTH PLEASANT GROVE BLVD SUITE #103 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com	DATE: 20 JAN. 2020 PROJECT #: 19-073 PROJ. MAN.: J.D.A. CHECKED BY: J.D.A.
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PROJECT: ANETH BUS BUILDING HIGHWAY 162 & RIVERSIDE CT BETWEEN ADMIN & HEAD START BUILDINGS ANETH, UTAH 84534		
SHEET DESCRIPTION: FOUNDATION PLAN SCALE: 1/4" = 1'-0"		
		SHEET: S101

2

4

△	MARK	REVISION	DATE

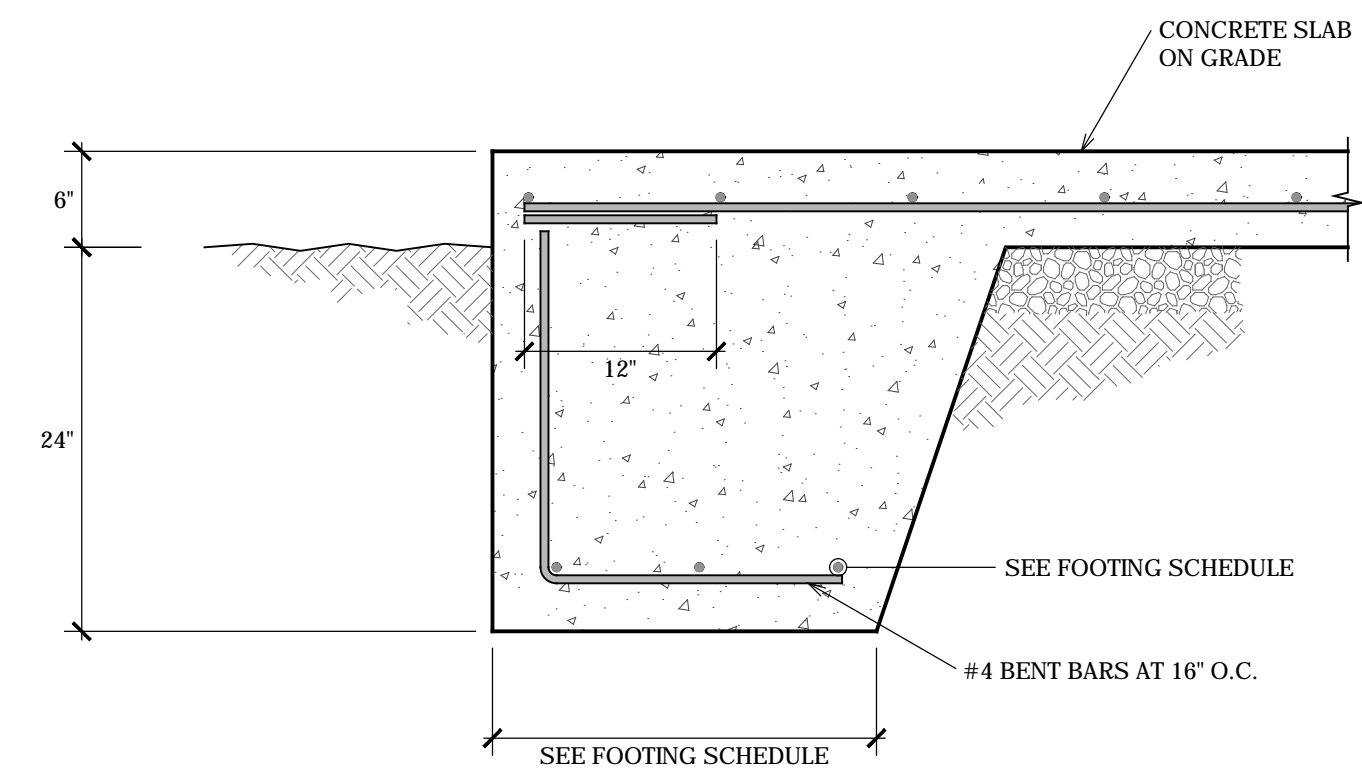
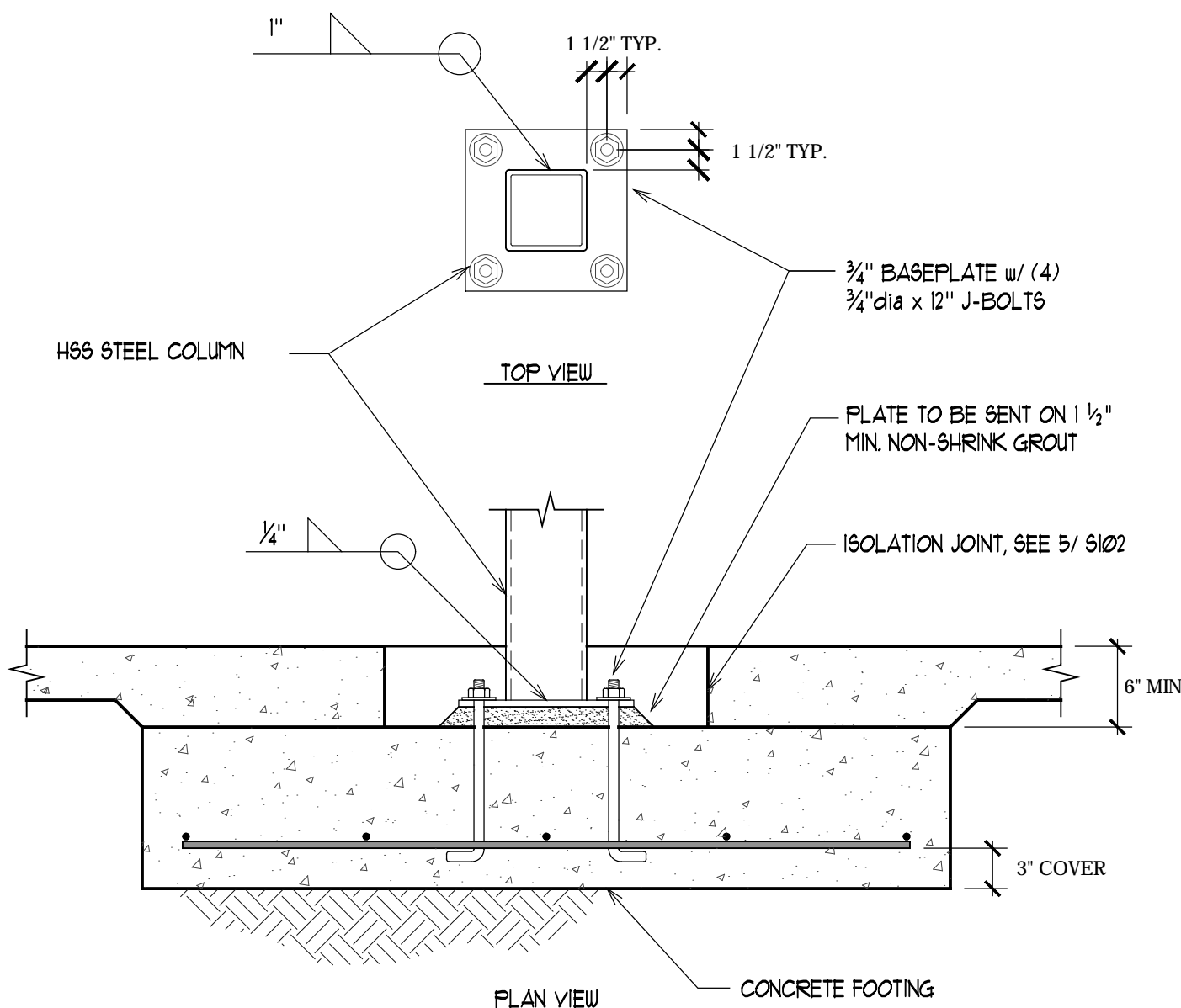
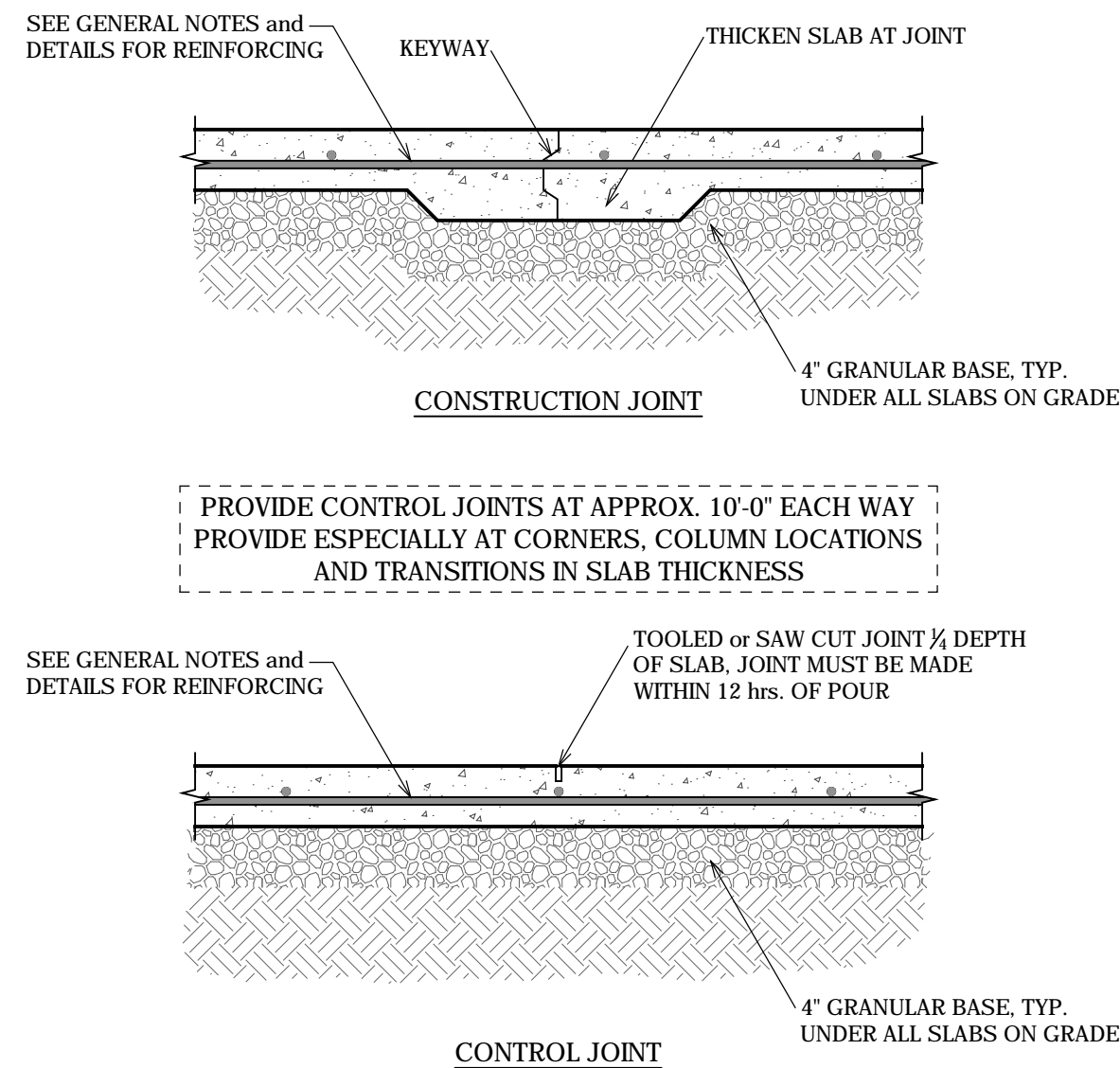


6 CONSTRUCTION DETAIL
S102 NO SCALE

3 CONSTRUCTION DETAIL
S102 NO SCALE

1 CONSTRUCTION DETAIL
S102 NO SCALE

B

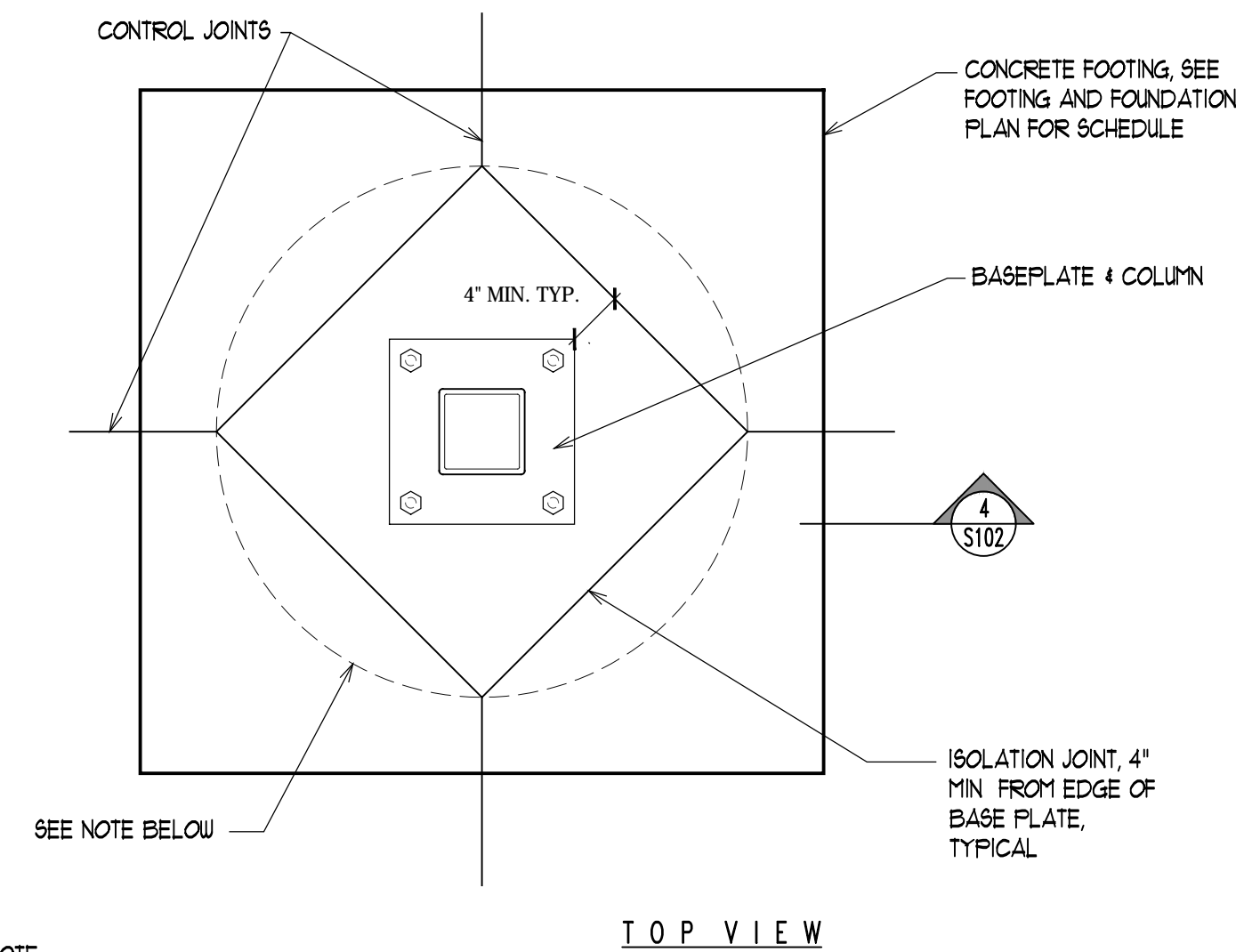
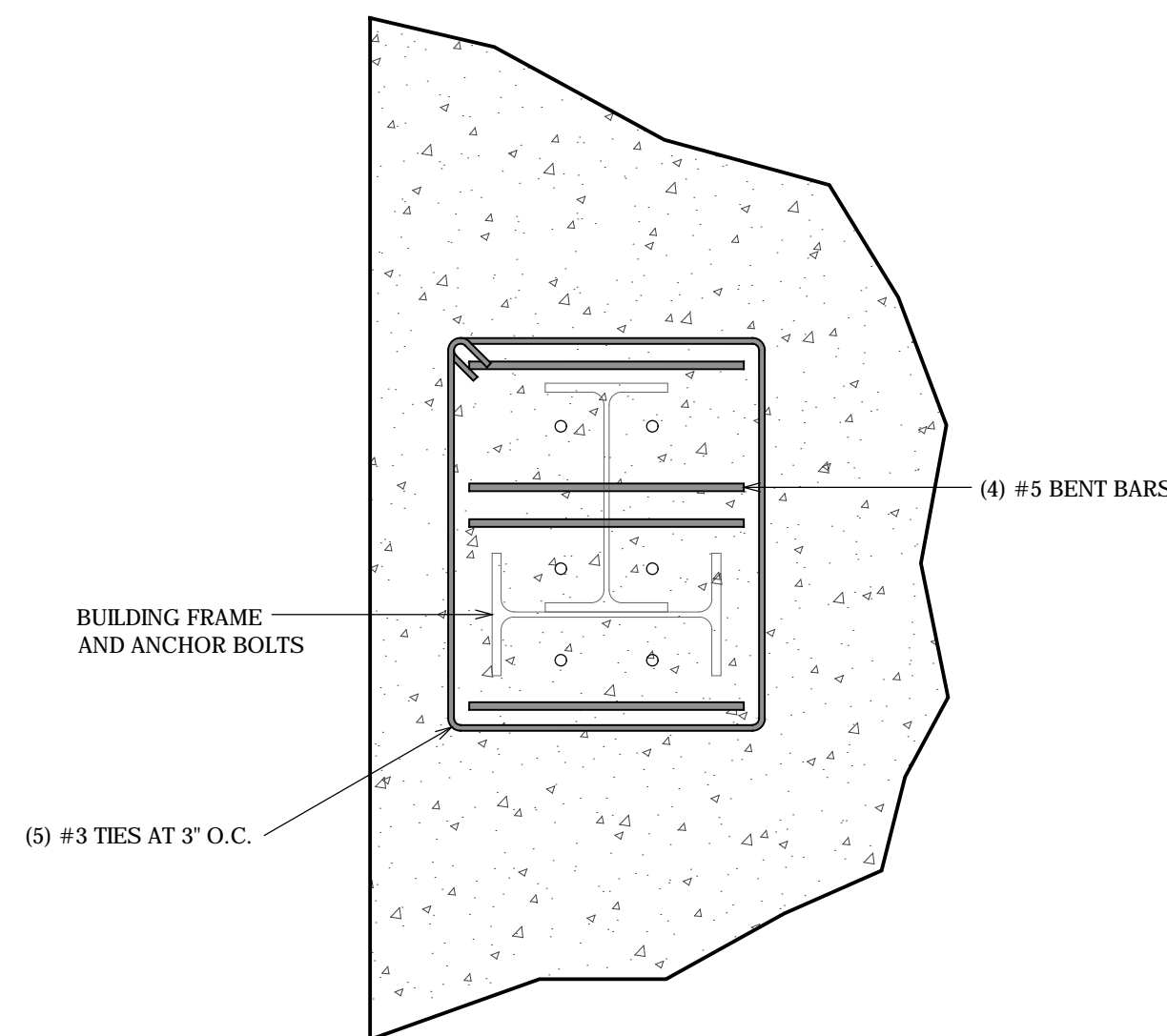
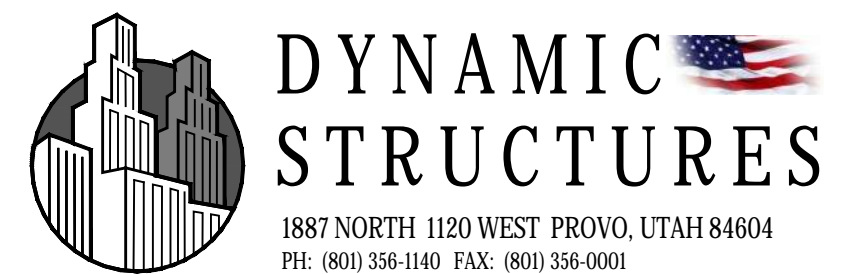


7 CONSTRUCTION DETAIL
S102 NO SCALE

4 CONSTRUCTION DETAIL
S102 NO SCALE

2 CONSTRUCTION DETAIL
S102 NO SCALE

C






NOTE:
WHERE CONTROL JOINTS ARE NOT USED IN ALL
FOUR DIRECTIONS, USE CIRCULAR ISOLATION JOINT.

8 CONSTRUCTION DETAIL
\$102 NO SCALE

5 CONSTRUCTION DETAIL
S102 NO SCALE

D

<p>ANETH CHAPTER, NAVAJO NATION</p> <p>ANETH, UTAH</p>			
<p>DIVISION OF FACILITIES CONSTRUCTION & MANAGEMENT 4110 STATE OFFICE BUILDING SALT LAKE CITY, UTAH 84114 PHONE: (801) 538-3018 FAX: (801) 538-3267</p>		<p>DATE: 20 JAN 2020 PROJ. MAN.: J.D.A. CHECKED BY: J.D.A.</p>	
<p>PROJECT NO: 19337310</p>		<p>DATE: 20 JAN 2020 PROJ. MAN.: J.D.A. CHECKED BY: J.D.A.</p>	
 <p>233 SOUTH PLEASANT GROVE BLVD SUITE # 105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cna Utah.com</p>		<p>DATE: 20 JAN 2020 PROJ. MAN.: J.D.A. CHECKED BY: J.D.A.</p>	
<p>PROJECT: ANETH BUS BUILDING</p> <p>HIGHWAY 162 & RIVERSIDE CT BETWEEN ADMIN & HEAD START BUILDINGS ANETH, UTAH 84534</p>			
<p>SHEET DESCRIPTION: CONSTRUCTION DETAILS SCALE: AS SHOWN</p>		<p>SHEET: S102</p>	

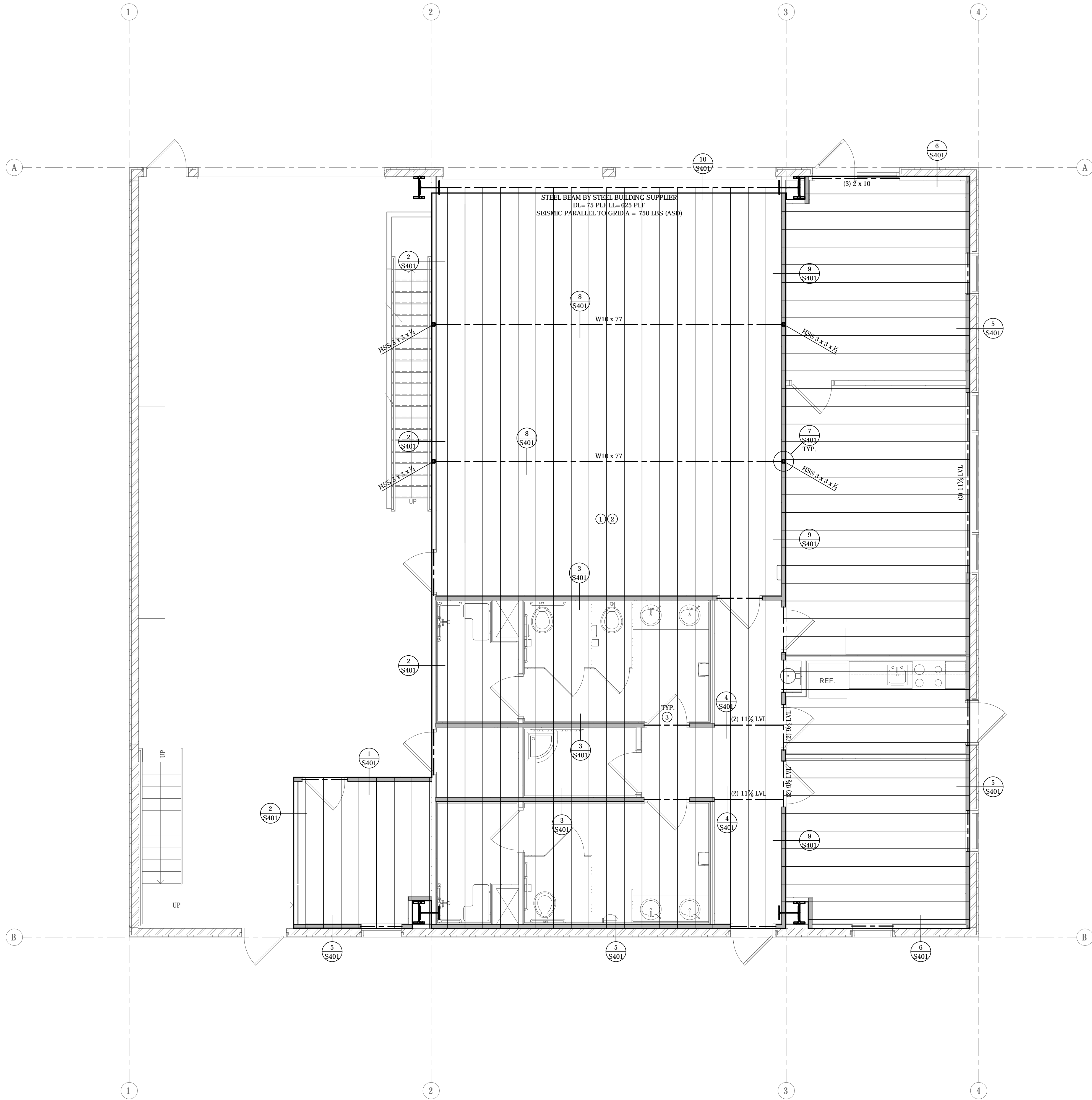
1 2 3 4 5

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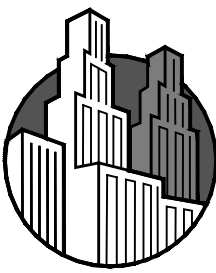
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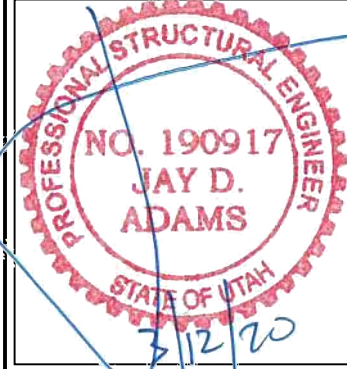
△	MARK	REVISION	DATE

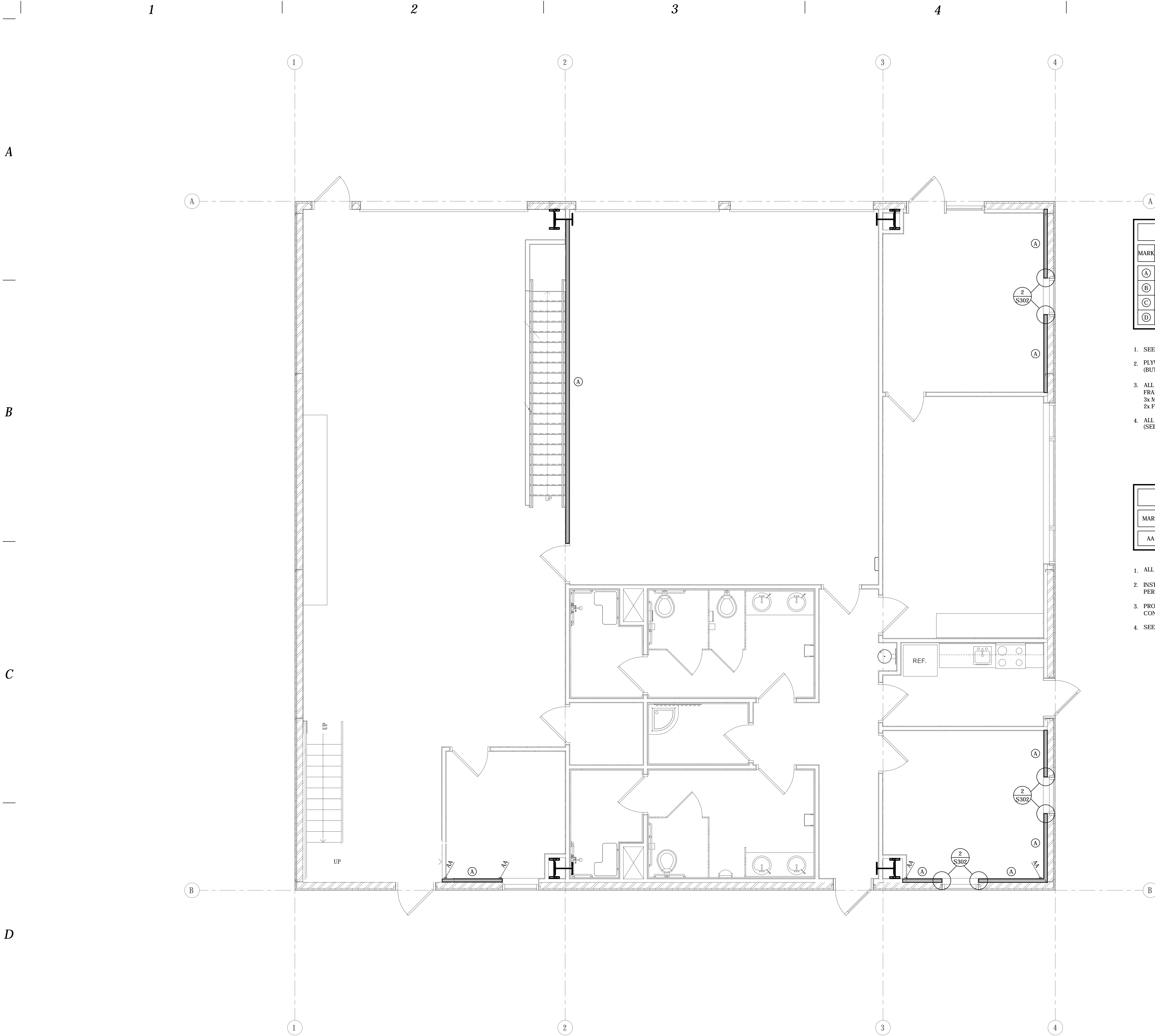
FLOOR FRAMING NOTES

- ① FRAME FLOOR w/ 11⁵/₈" TJ 360s AT 16" O.C.
② SEE FRAMING NOTES on S001 FOR FLOOR SHEATHING REQUIREMENTS
③ ALL HEADERS SHALL BE (2) 2 x 10 D.F. #2 UNLESS NOTED OTHERWISE
④  INDICATES INTERIOR BEARING WALL



DYNAMIC STRUCTURES
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DIVISION OF FACILITIES CONSTRUCTION & MANAGEMENT 4110 STATE OFFICE BUILDING SALT LAKE CITY, UTAH 84114 PHONE: (801) 538-3018 FAX: (801) 538-3267		
PROJECT NO: 19337310		
 <div>CURTIS MINER ARCHITECTURE</div>	233 SOUTH PLEASANT GROVE BLVD SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com	DATE: 20 JAN. 2020 PROJECT #: 19-073 PROJ. MAN.: J.D.A. CHECKED BY: J.D.A.
PROJECT: ANETH BUS BUILDING HIGHWAY 162 & RIVERSIDE CT BETWEEN ADMIN & HEAD START BUILDINGS ANETH, UTAH 84534		
SHEET DESCRIPTION: MEZZANINE FRAMING PLAN SCALE: 1/4" = 1'-0"		SHEET: S201



△	MARK	REVISION	DATE

SHEARWALL SCHEDULE							
MARK	PANEL GRADE	PANEL THICKNESS	PANEL EDGE NAILING	PANEL FIELD NAILING	STUDS AT ADJOINING PANEL EDGES	ANCHOR BOLTS AT FOUNDATION LEVEL	SILL PLATE AT FOUNDATION
A	APA EXP. 1	7/8"	8d AT 6" O.C.	8d AT 12" O.C.	2x	3/4" dia. x 10" AT 32" O.C.	2x TREATED
B	APA EXP. 1	7/8"	8d AT 4" O.C.	8d AT 12" O.C.	2x	3/4" dia. x 10" AT 32" O.C.	2x TREATED
C	APA EXP. 1	7/8"	8d AT 3" O.C.	8d AT 12" O.C.	2x	3/4" dia. x 10" AT 32" O.C.	2x TREATED
D	APA EXP. 1	7/8"	8d AT 2" O.C.	8d AT 12" O.C.	3x	3/4" dia. x 10" AT 16" O.C.	2x TREATED

1. SEE GENERAL NOTES FOR ADDITIONAL INFORMATION

2. PLYWOOD, ORIENTED STRAND BOARD AND COMPOSITE BOARD (BUT NOT STRUCTURAL PARTICLE BOARD) ARE ACCEPTED AS EQUALS

3. ALL PANEL EDGES AT SHEAR WALLS SHALL BE BACKED WITH 2" NOMINAL FRAMING, EXCEPT WHERE INDICATED TO BE 3" NOMINAL ON SCHEDULE. 3x MATERIAL MAY BE REPLACED WITH 4x MATERIAL. MULTIPLE LAYERS OF 2x FRAMING SHALL NOT BE USED WHERE 3x FRAMING IS INDICATED.

4. ALL ANCHOR BOLTS TO HAVE A 3" x 3" x 1/2" PLATE WASHER (SEE SEE SCHEDULE ABOVE FOR SPACING)
5. ALL STUDS IN SHEAR WALLS SHALL BE DOUGLAS FIR-LARCH

6. SHEAR WALL PANELS INDICATED ON SCHEDULE ARE TO BE SHEATHED FOR FULL HEIGHT OF THE WALL.

7. SEE SPECIAL INSPECTION PAGE FOR ADDITIONAL REQUIREMENTS

8. WHERE PANELS ARE APPLIED ON BOTH FACES OF A SHEAR WALL AND NAIL SPACING IS LESS THAN 6" ON CENTER ON EITHER SIDE, PANEL JOINTS SHALL BE OFFSET TO FALL ON DIFFERENT FRAMING MEMBERS. ALTERNATIVELY, THE WIDTH OF THE NAILED FACE OF FRAMING MEMBERS SHALL BE 3" NOMINAL OR GREATER AT ADJOINING PANEL EDGES AND NAILS AT ALL PANEL EDGES SHALL BE STAGGERED.

HOLD DOWN SCHEDULE					
MARK	HOLDDOWN	ATTACHMENT TO STUDS	FOUNDATION ANCHORS	MINIMUM STUDS	REMARKS
AA	SIMPSON HDU2	(6) 1/2" x 2 1/2" SDS SCREWS	3/4" dia EPOXIED THREADED ROD	(2) 2x	DETAIL 1/ S302

1. ALL ANCHORS ARE SIMPSON STRONG-TIE, (OR EQUAL)
2. INSTALLATION OF ALL HOLDDOWN ANCHORS AND STRAPS SHALL BE PER MANUFACTURES RECOMMENDATIONS AND SPECIFICATIONS
3. PROVIDE EDGE NAILING ALONG STUDS CONNECTED TO HOLDDOWN ANCHORS AND STRAPS
4. SEE SPECIAL INSPECTION PAGE FOR ADDITIONAL REQUIREMENTS



**ANETH CHAPTER,
NAVAJO NATION**
ANETH, UTAH

DIVISION OF FACILITIES
CONSTRUCTION & MANAGEMENT
4110 STATE OFFICE BUILDING
SALT LAKE CITY, UTAH 84114
PHONE: (801) 538-3018
FAX: (801) 538-3267

PROJECT NO: 19337310

**CURTIS MINER
ARCHITECTURE**

233 SOUTH PLEASANT GROVE BLVD
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
cma@cmautah.com

DATE: 20 JAN. 2020

PROJECT #: 19-073

PROJ. MAN.: J.D.A.

CHECKED BY: J.D.A.

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PROJECT:
ANETH BUS BUILDING

HIGHWAY 162 & RIVERSIDE CT
BETWEEN ADMIN & HEAD START BUILDINGS
ANETH, UTAH 84534

SHEET DESCRIPTION:
MAIN FLOOR SHEARWALL PLAN
SCALE: 1/4" = 1'-0"

SHEET:
S301

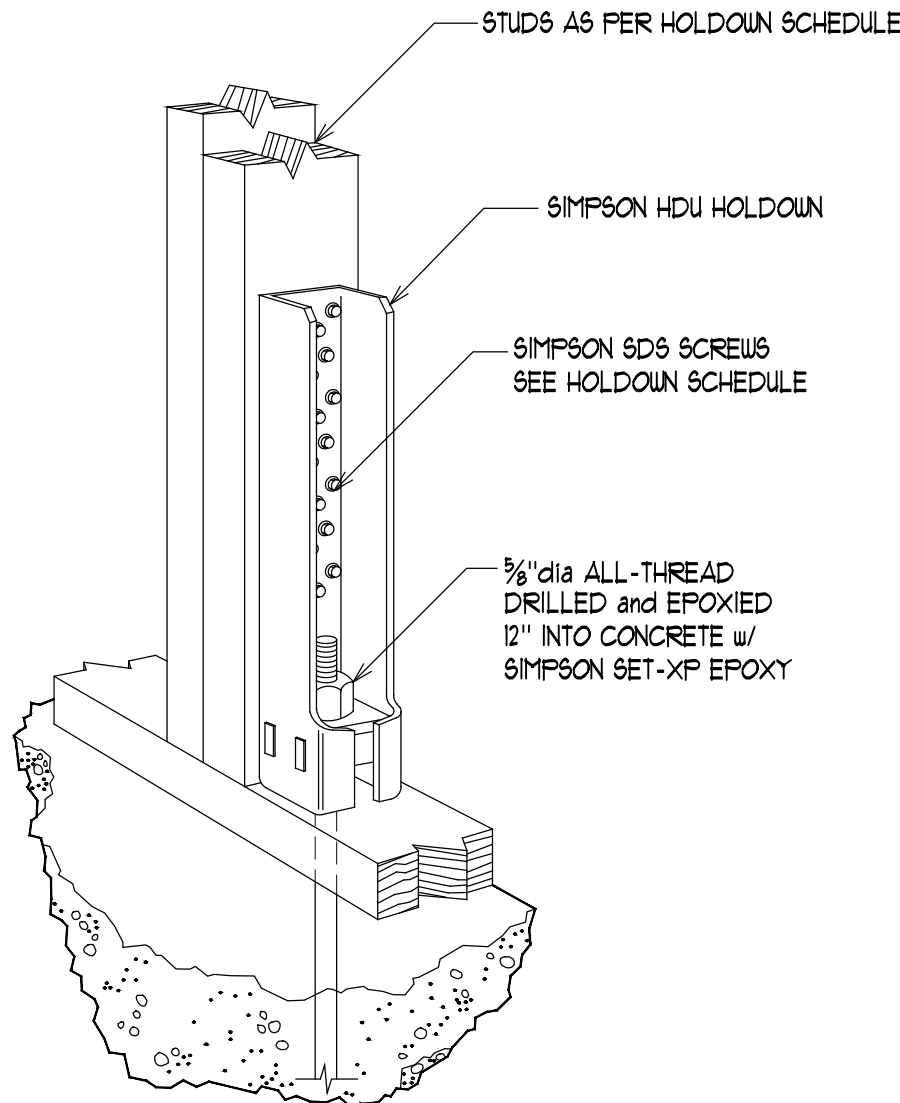
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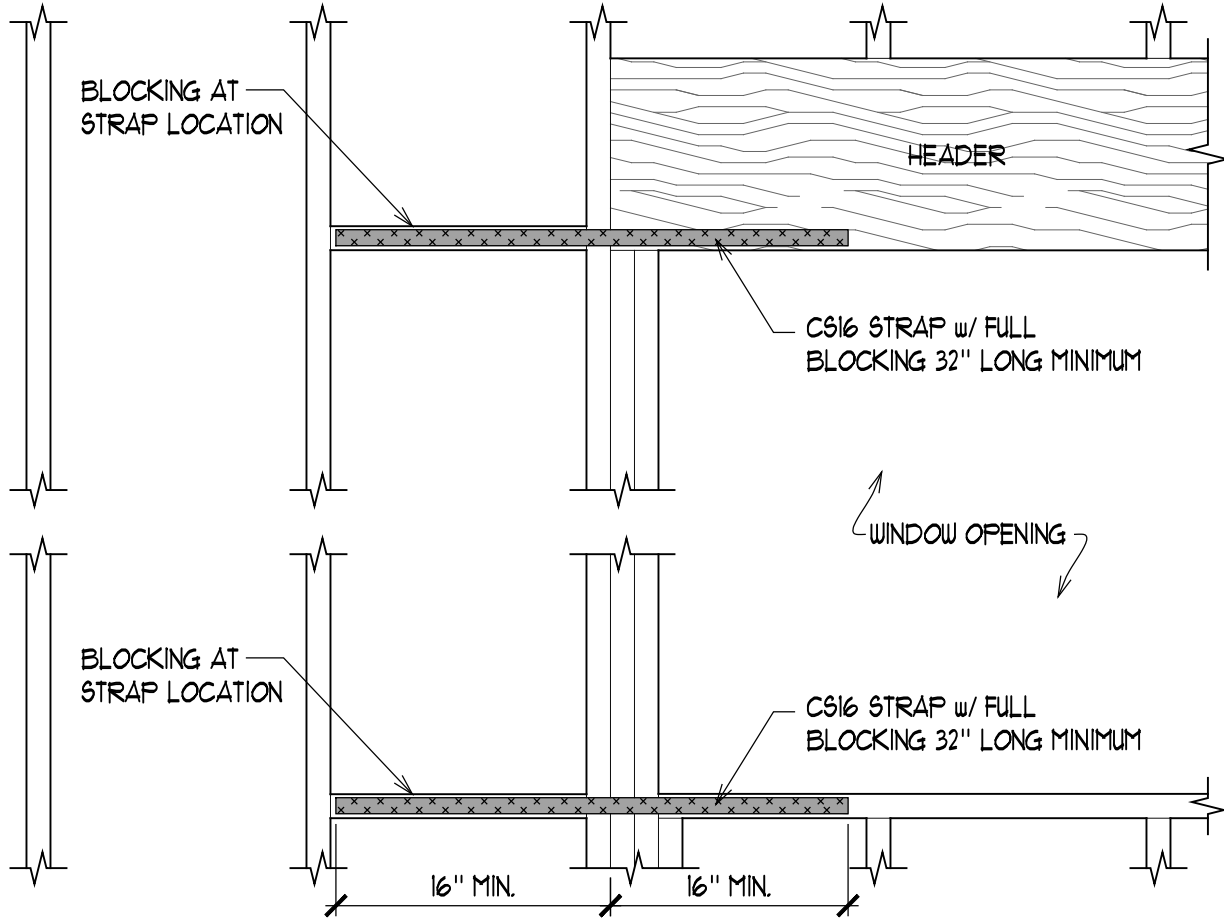
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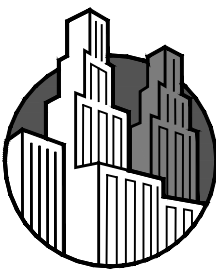
△	MARK	REVISION	DATE





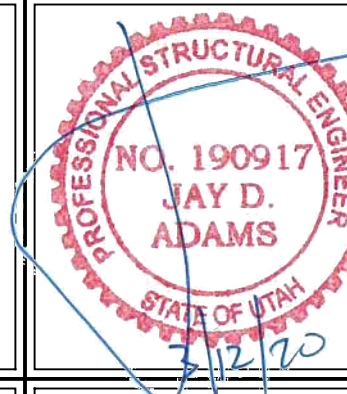
1 CONSTRUCTION DETAIL
NO SCALE



2 CONSTRUCTION DETAIL
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**DYNAMIC
STRUCTURES**
1887 NORTH 1120 WEST PROVO, UTAH 84604
PH: (801) 336-1140 FAX: (801) 336-0001

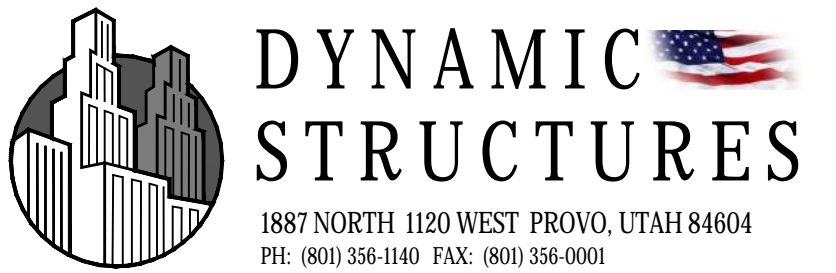
ANETH CHAPTER, NAVAJO NATION <small>ANETH, UTAH</small>		
<small>DIVISION OF FACILITIES CONSTRUCTION & MANAGEMENT 4110 STATE OFFICE BUILDING SALT LAKE CITY, UTAH 84114 PHONE: (801) 538-3018 FAX: (801) 538-3267</small> PROJECT NO: 19337310		
 <div><small>233 SOUTH PLEASANT GROVE BLVD SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cna Utah.com</small></div>	DATE: 20 JAN. 2020 PROJECT #: 19-073 PROJ. MAN.: J.D.A. CHECKED BY: J.D.A.	
	PROJECT: ANETH BUS BUILDING HIGHWAY 162 & RIVERSIDE CT BETWEEN ADMIN & HEAD START BUILDINGS ANETH, UTAH 84534	
SHEET DESCRIPTION: CONSTRUCTION DETAILS SCALE: AS SHOWN		SHEET: S302

2

4

△	MARK	REVISION	DATE

D



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SUITE #105
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SHEET DESCRIPTION:
CONSTRUCTION DETAILS
SCALE: AS SHOWN

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SHEET:

S401



1

2

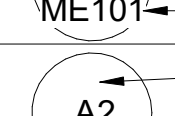
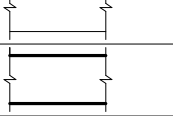
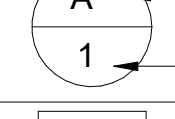
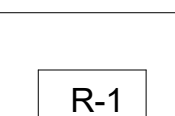
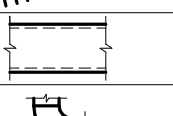
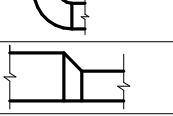
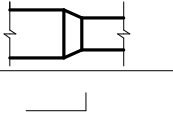
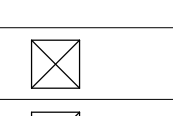
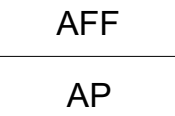
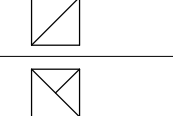
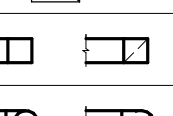
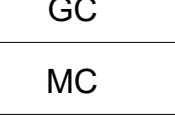
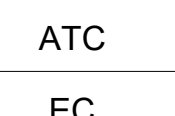
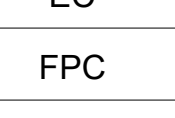
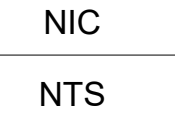
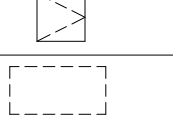
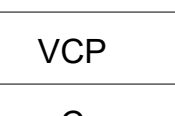
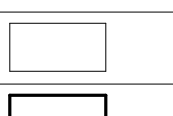
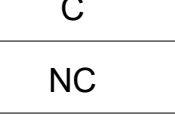
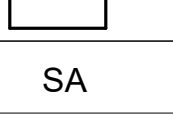
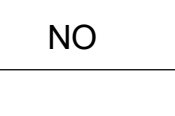

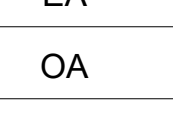

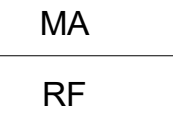

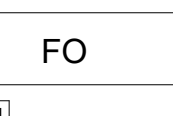
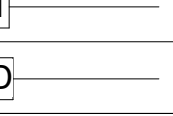

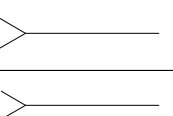


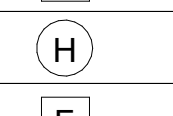
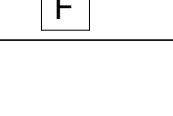





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△	MARK	REVISION	DATE

MECHANICAL LEGEND

SYMBOL	ABR.	DESCRIPTION	SYMBOL	ABR.	DESCRIPTION
GENERAL TERMINOLOGY			AIR SIDE		
		SECTION LETTER DESIGNATION			EXISTING AIR DUCT TO BE REMOVED
		SECTION DRAWN ON THIS SHEET			EXISTING AIR DUCT TO REMAIN
		DETAIL NUMBER DESIGNATION CORRESPONDING WITH GRID LOCATION			NEW AIR DUCT
		MECHANICAL EQUIPMENT DESIGNATION			RECT TO RECT AIR DUCT TAKE-OFF
		EQUIPMENT ITEM DESIGNATION			RND TO RND AIR DUCT TAKE-OFF
		REGISTER, GRILLE OR DIFFUSER DESIGNATION WITH BALANCING CFM LISTED BELOW			MEDIUM PRESSURE TAKE-OFF
		GRILLE OR LOUVER DESIGNATION WHERE BALANCING NOT REQUIRED			FLEXIBLE AIR DUCT
		REVISION DESIGNATOR AND NUMBER			LINED DUCT
		KEY NOTE DESIGNATOR AND NUMBER			RADIUS ELBOW
	POC	POINT OF CONNECTION			ECCENTRIC DUCT TRANSITION
	POR	POINT OF REMOVAL			CONCENTRIC DUCT TRANSITION
	AFF	ABOVE FINISHED FLOOR			VOLUME DAMPER
	AP	ACCESS PANEL			SUPPLY AIR DIFFUSER
	C EL.	CENTERLINE ELEVATION			RETURN & TRANSFER AIR GRILLE
	GC	GENERAL CONTRACTOR			EXHAUST GRILLE OR CEILING EXH. FAN
	MC	MECHANICAL CONTRACTOR			RETURN & OUTSIDE AIR DUCT UP/DN
	ATC	CONTROLS CONTRACTOR			RETURN & OA ROUND DUCT UP/DN
	EC	ELECTRICAL CONTRACTOR			SUPPLY AIR DUCT UP/DN
	FPC	FIRE PROTECTION CONTRACTOR			SUPPLY AIR ROUND DUCT UP/DN
	NIC	NOT IN CONTRACT			EXHAUST AIR DUCT UP/DN
	NTS	NOT TO SCALE			EXHAUST AIR ROUND DUCT UP/DN
	VCP	VITRIFIED CLAY PIPE		AP	ACCESS PANEL
	C	COMMON			EXISTING EQUIPMENT TO BE REMOVED
	NC	NORMALLY CLOSED			EXISTING EQUIPMENT TO REMAIN
	NO	NORMALLY OPEN			NEW EQUIPMENT
				SA	SUPPLY AIR
				RA	RETURN AIR
				EA	EXHAUST AIR
				OA	OUTSIDE AIR
				MA	MIXED AIR
				RF	RELIEF AIR
				FO	FLAT OVAL
	MVD	MOTORIZED VOLUME DAMPER			
	BD	BACKDRAFT DAMPER			
	FD	FIRE DAMPER			
	SD	SMOKE DAMPER			
	FS	FIRE & SMOKE DAMPER			
	T-STAT	WALL MOUNTED THERMOSTAT			
		WALL MOUNTED TEMP. SENSOR			
	H-STAT	WALL MOUNTED HUMIDISTAT			
	F-STAT	WALL MOUNTED FIRESTAT			

GENERAL NOTES

G-1 - MECHANICAL INFORMATION IS NOT LIMITED TO THE MECHANICAL DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMATION OF THE EXISTING BUILDING AND SITE CONDITIONS, EXISTING PIPING, EXISTING ELECTRICAL, AND EXISTING SUPPORTS.

A - EACH DRAWING SHEET AND THE SPECIFICATIONS HAVE BEEN PREPARED TO SUPPLEMENT EACH OTHER AND THEY SHALL BE INTERPRETED AS AN INTEGRAL UNIT WITH ITEMS SHOWN AND NOTED ON ONE AND NOT THE OTHER BEING FURNISHED AND INSTALLED AS THOUGH SHOWN AND CALLED OUT IN ALL PLACES. ITEMS IN SPECIFICATIONS OR DRAWINGS LISTED WHICH ARE DIFFERING IN EFFICIENCY OR QUALITY SHALL BE HELD TO THE GREATEST OF: EFFICIENCY, QUALITY OR GOVERNING CODE.

B - THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE INSTALLATION OF THE SYSTEMS ACCORDING TO THE TRUE INTENT AND MEANING OF THE CONTRACT DOCUMENTS.

C - THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT WITH PROPER SERVICE ACCESS AND CLEARANCES ACCORDING TO MANUFACTURERS RECOMMENDATIONS. THE CONTRACTOR SHALL REVIEW SUPPLIERS BID PACKAGES FOR COMPLETENESS AND COMPLIANCE TO THE SPECIFICATIONS, SCHEDULES, AND DESIGN INTENT (ALL EQUIPMENT AND METHODS). THE CONTRACTOR SHALL REMOVE AND REINSTALL CORRECTLY AT HIS OWN EXPENSE ANY EQUIPMENT NOT IN COMPLIANCE.

D - THE CONTRACTOR SHALL CONSULT MANUFACTURERS INSTALLATION INSTRUCTIONS FOR SIZES, METHODS, ACCESSORIES, AND CLEARANCES IN SPACE AVAILABLE PRIOR TO BIDDING PROJECT.

E - ANYTHING NOT CLEAR OR IN CONFLICT WILL BE EXPLAINED BY MAKING APPLICATION TO THE ENGINEER IN WRITING.

G-2 - ANY AND ALL ALTERATIONS TO THE SYSTEM SHOWN SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO CHANGES FOR APPROVAL. CONTRACTOR SHALL NOT START ANY CHANGES UNTIL NOTIFIED IN WRITING. IF CHANGES ARE MADE PRIOR TO APPROVAL CONTRACTOR SHALL TAKE ALL RESPONSIBILITY FOR THE CHANGES MADE AND ALL COSTS RELATING TO FAILURE OR REPLACEMENT OF ALTERATIONS.

G-3 - CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND LOCATIONS.

G-4 - THE WORKING DRAWINGS ARE DIAGRAMMATIC. THEY DO NOT SHOW EVERY OFFSET, BEND, OR ELBOW NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. ALL LOCATIONS FOR MECHANICAL EQUIPMENT SHALL BE FIELD VERIFIED AND COORDINATED WITH ALL DRAWINGS. THE CONTRACTOR SHALL PROVIDE OR COORDINATE WITH THE GENERAL CONTRACTOR PROVISIONS FOR BLOCKOUTS OR CORE DRILLS THROUGH STRUCTURE.

G-5 - THE INSTRUCTION TO "PROVIDE" ALSO INCLUDES INSTALLATION.

G-6 - MECHANICAL CONTRACTOR SHALL PROVIDE AND INSTALL SMOKE AND FIRE DAMPERS AS REQUIRED BY LOCAL CODES AND AUTHORITIES.

G-7 - SHEET METAL DUCT SIZES SHOWN ON DRAWINGS ARE FREE AREA DIMENSIONS.

G-8 - PROVIDE AND INSTALL BALANCING DAMPERS IN ALL SUPPLY AND EXHAUST AIR BRANCH DUCTS. BALANCE TO CFM SHOWN ON PLAN.

G-9 - SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF DIFFUSERS AND GRILLES.

G-10 - PROVIDE TURNING VANES IN ALL ELBOWS OF RECTANGULAR DUCT.

G-11 - THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY IN HANDLING AND DISPOSING OF REFRIGERANTS, OILS, ETC. ALL SUCH MATERIALS SHALL BE HANDLED, DISPOSED, AND USED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL LAWS.

G-12 - THE MECHANICAL CONTRACTOR SHALL VERIFY MOTOR VOLTAGES WITH THE ELECTRICAL DRAWING BEFORE ORDERING MOTORIZED EQUIPMENT AND CONTROLS.

G-13 - C.F.M. LISTED IS ACTUAL AIR.

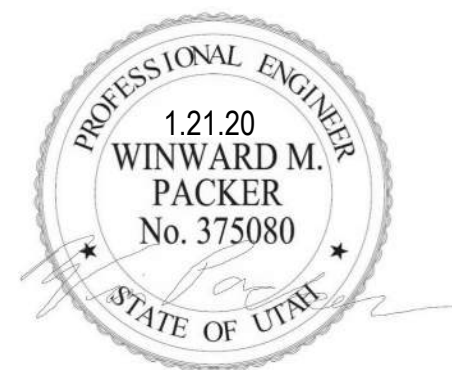
G-14 - SUPPLIERS SHALL REVIEW ALL DRAWINGS AND THE SPECIFICATIONS PRIOR TO SUBMITTING PRICES TO THE CONTRACTOR. ALL QUESTIONS AND DISCREPANCIES SHALL BE BROUGHT TO THE ENGINEERS ATTENTION PRIOR TO BIDDING.

G-15 - CONTRACTOR SHALL THOROUGHLY REVIEW AND SIGN SUBMITTALS FOR COMPLETENESS AND COMPLIANCE TO THE SPECIFICATIONS PRIOR TO ENGINEERS REVIEW. SUPPLIERS SHALL HIGHLIGHT OR MARK ALL INFORMATION REQUIRED TO SHOW COMPLIANCE TO THE SPECIFICATIONS. ALL REQUESTED EXCEPTIONS TO THE SPECIFICATIONS, OR SCHEDULES SHALL BE CLEARLY NOTED AND EXPLAINED. SUBMITTAL REVIEW AND ACCEPTANCE IS FOR DESIGN CONCEPT ONLY, AND DOES NOT AT ANY TIME RELIEVE THE CONTRACTOR OF RESPONSIBILITY TO MEET SPECIFICATIONS, CAPACITIES, OR DESIGN INTENT.

G-16 - ALL MECHANICAL SHALL BE INSTALLED AND CONFORM TO THE 2018 EDITION OF THE IMC AND IPC WITH UTAH ANNOTATIONS AND LOCAL AUTHORITY REQUIREMENTS.

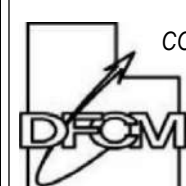


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**ANETH CHAPTER,
NAVAJO NATION**

ANETH, UTAH



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PROJECT NO: 19337310



233 SOUTH PLEASANT GROVE BLVD. SUITE #105
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PROJECT:

**ANETH UTAH
BUS BUILDING**

ANETH, UTAH

SHEET DESCRIPTION:

**MECHANICAL GENERAL NOTES
AND LEGEND**

SHEET:

MG001

DATE: 29 NOV, 2019
PROJECT #: CMA 18-060
PROJ. MAN.: DBN
CHECKED BY: DBN

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△	MARK	REVISION	DATE

PLUMBING FIXTURES (T 2902.1)

TOTAL NUMBER OF REQUIRED FIXTURES:											
OCCUPANCY	OCC. LOAD	WATER CLOSETS			LAVATORIES			DRINKING FOUNTAINS		TOTAL	SERVICE SINKS
		RATIO	MEN	RATIO	WOMEN	RATIO	MEN	WOMEN	RATIO		
A3		1 PER 125	0.0	1 PER 65	0.0	1 PER 200	0.0	0.0	1 PER 1000	0	
B		1 PER 25 <50	0.0	1 PER 25 <50	0.0	1 PER 40 <80	0.0	0.0	1 PER 100	0	
		1 PER 50 >50	0.0	1 PER 50 >50	0.0	1 PER 80 >80	0.0	0.0	100		
E		1 PER 50	0.0	1 PER 50	0.0	1 PER 50	0.0	0.0	1 PER 100	0	
I2 - Hosp. Ambul.		1 PER ROOM		1 PER ROOM		1 PER ROOM			1 PER 100	0	
I2 - Staff		1 PER 25	0.0	1 PER 25	0.0	1 PER 35	0.0	0.0	1 PER 100	0	
I2 - Visitors		1 PER 75	0.0	1 PER 75	0.0	1 PER 100	0.0	0.0	1 PER 500	0	
S1, S2		1 PER 100	0.0	1 PER 100	0.0	1 PER 100	0.0	0.0	1 PER 1000	0	
TOTAL REQUIRED			0		0		0	0		0	0
TOTAL PROVIDED			0		0		0	0		0	0

PART 11 – BUILDING PERFORMANCE PARAMETERS:

Include a summary of building performance parameters (design temperatures for spaces, humidity control set-points, special ventilation requirements, lighting levels for spaces, etc.) with the Code Summary. Also, include structural calculations and energy calculations.

PART 12 – DEFERRED SUBMITTALS, NONSTRUCTURAL COMPONENTS CHECKLIST, & SPECIAL INSPECTIONS LIST:

Provide the following information in the Code Analysis, deleting non-applicable sections.

LIST OF DEFERRED SUBMITTALS

ITEM	DRAWING REFERENCE	SPECIFICATION REFERENCE
FIRE SPRINKLER & ALARM DRAWINGS		
SEISMIC RESTRAINT DESIGNS OF NON-STRUCTURAL COMPONENTS FOR ALL SYSTEMS LISTED	ME101, ME102, PE102, PE501	

GUIDELINES FOR SEISMIC RESTRAINT OF NONSTRUCTURAL COMPONENTS & DEFERRED SUBMITTALS

- General Comments:
 - These guidelines shall apply to all nonstructural components as required by the IBC 1613.1. Nonstructural components consist of architectural, mechanical and electrical components that are permanently attached to the primary structure.
 - When a change in occupancy occurs that causes an existing building to be reclassified to a higher Occupancy Category per IBC Table 1604.5, all existing nonstructural components shall be confirmed to meet the seismic restraint requirements of Chapter 13 in ASCE 7.
 - These guidelines define the minimum submittal requirements to obtain University of Utah approval for seismic restraint of nonstructural components. The guidelines noted herein shall not cancel or set aside more conservative requirements specified by the design professional in responsible charge.
 - All references made to the IBC or ASCE 7 latest editions adopted by the State of Utah.
- Checklist Requirements:
 - All University of Utah projects shall have the "Nonstructural Component Checklist" (attached below) clearly shown on the front of the construction plans.
 - Each item within the checklists shall have the appropriate box checked and comments shall be provided noting the particular component(s) that require seismic restraint.
 - The "Not Required" box should only be checked if the component is exempt from requiring seismic restraint by Section 13.1.4 of ASCE 7, or if the component in question will not be provided as part of the project.
 - If the "Deferred Submittal" box is checked, the additional requirements of Section 6 included in this handout must be met.
- Submittal Requirements:
 - The seismic restraint requirements for nonstructural components may be provided with the original construction documents submitted to University of Utah or may be submitted later as a deferred submittal. Whether provided with the original plans or later, the requirements of this section must be met.
 - Seismic restraint submittals shall include construction documents meeting the requirements of Section 4 of this handout as well as supporting design information discussed in Section 5 of this handout.
- Construction Documents:
 - The construction documents must include seismic restraint details providing specific information relating to the materials, type, size, and locations of anchorages; materials used for bracing; attachment requirements of bracing to structure and component; and locations of transverse and longitudinal sway bracing and rod stiffeners.
 - The construction documents must note the special inspection and testing requirements for the seismic restraint of nonstructural components per Section 13.2.7 of ASCE 7.
 - University of Utah will accept products that have been tested and listed under the ICC Evaluation Service Program, as long as they are installed in accordance with the provisions and limitations of the ICC Listing Report.
 - The requirements for anchorage/bracing of nonstructural components cannot be satisfied by a general reference to Design Manuals. Design professional may utilize these manuals as a basis of their design, but must provide all supporting documentation to ensure that the design conforms to the requirements of the IBC.
 - Rod hangers shall not be used as seismic supports unless the length of the hanger from the supporting structure is 12 in. or less. Rod hangers shall not be constructed in a manner that subjects the rod to bending moments.
- Seismic Restraint Design Requirements:
 - Per IBC 1613.1, the seismic restraint of nonstructural components shall meet the requirements of ASCE 7. If the component in question is exempt by Section 13.1.4 of ASCE 7, a submittal noting the seismic restraint of that particular component is not required.
 - The seismic restraint design must meet the requirements listed in Table 13.2-1 of ASCE 7. These requirements may be met by providing either a project-specific design prepared by a registered design professional, or a manufacturer's certification that the component is seismically qualified.
 - A certificate of seismic qualification by the manufacturer must be accompanied by one of the following items:
 - An engineered analysis conforming to the requirements of Chapter 13 of ASCE 7.
 - Testing by a nationally recognized testing standard procedure such as ICC-ES AC 156. The substantiated seismic design capacities shall exceed the seismic demands determined by Section 13.3 of ASCE 7.
 - Experience data conforming to a nationally recognized procedure. The substantiated seismic design capacities shall exceed the seismic demands determined by Section 13.3 of ASCE 7.

- The following seismic restraint publications shall be considered "Accepted Engineering Practice":
 - Seismic Restraint Manual, Guidelines for Mechanical Systems (3rd Edition, published by SMACNA)
 - Guidelines and details that have been evaluated and reported under the International Code Council Evaluation Service Program (ICC-ES).
 - Seismic restraint manuals, guidelines and details that have been approved by the California Office of Statewide Health Planning and Development (OSHPD) under their pre-approval program for seismic restraint systems. Approval by the University of Utah Building Official to use this reference is required prior to proceeding with design.
- Deferred Submittals:
 - Deferred submittals of seismic restraint of nonstructural components must be submitted to the UNIVERSITY OF UTAH Building Official a minimum of two weeks prior to the planned installation in order to allow for plan review and forwarding to inspectors. In the event that the submittal is deficient, additional time may become necessary.
 - Deferred submittals shall be clearly noted on the construction plans as required by IBC in Chapter 1. Prior to submitting to the UNIVERSITY OF UTAH Building Official, the deferred submittal must follow the protocol outlined in the section entitled "Deferred Submittals" in the IBC Chapter 1. Please note on the plans that no deferred submittal elements shall be installed until University of Utah approval has been received.
 - If seismic restraints of nonstructural components are installed prior to receiving University of Utah approval, they shall not be covered or concealed until plan review and inspection approval. Further, installers are proceeding at their own risk until plan review and inspection approval occurs.

NONSTRUCTURAL COMPONENT CHECKLIST

ITEM DESCRIPTION	NOT REQUIRED	ON CONST DOCUMENTS	DEFERRED SUBMITTAL	COMMENTS
Architectural Components				
Interior nonstructural walls and partitions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cantilever elements (i.e. parapets, etc)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Exterior nonstructural wall elements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Veneer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Penthouses	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Ceilings (i.e. suspended grid or hard-lid)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cabinets (i.e. storage cabinets, equip, etc)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Access floors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Storage racks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Appendages & ornamentations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Signs & billboards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
MEP Components				
Fire sprinklers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Mechanical equipment (i.e. HVAC, fans, air handler, boilers, furnaces, tanks, chillers, water heaters, evaporators, engines, turbines, pumps, compressors, MFR equipment, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Electrical equipment (i.e. generators,	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

batteries, inverters, transformers, MCC, panel Boards, switch gears, cabinets, etc.)				
Elevator & escalator components	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Communication equipment, computers, instrumentation, and controls	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Roof-mounted chimneys stacks, cooling & electrical towers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Lighting fixtures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Vibration isolated components	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Piping & conduit systems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Ductwork including in-line components	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Conveyors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cable trays	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Seismic restraint design of nonstructural mechanical, electrical, plumbing components	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SPECIAL INSPECTIONS LIST

Special Inspections for the project must be listed below in accordance with the provisions of IBC 1704 and for miscellaneous areas. Indicate required Special inspections for project by checking the appropriate boxes and provide specific instructions as to the inspection requirements and the expectations of the architect, engineer, and owner:

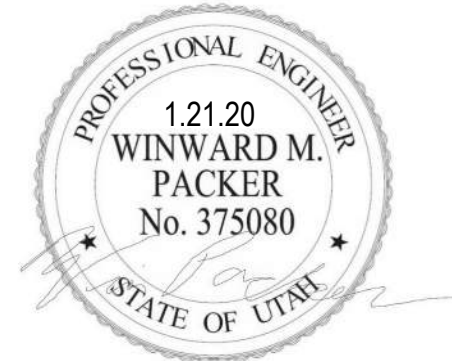
FABRICATORS (IBC 1704.2.5)

Approved Fabricator	Fabricators Name:		
Unapproved Fabricator	Fabricators Name:		
In-plant inspections			
Steel Construction	<input type="checkbox"/>	Welding	<input type="checkbox"/>
		Details	<input type="checkbox"/>

STEEL (IBC 1705.2)			
ITEM (IBC REFERENCE)	CONTINUOUS	PERIODIC	REFERENCED STANDARD
Structural Steel (1705.2.1)	<input type="checkbox"/>	<input type="checkbox"/>	AISC 360
Cold-formed Steel Deck (1705.2.2)	<input type="checkbox"/>	<input type="checkbox"/>	SDI QA/QC
Open-web Steel Joists & Joist Girders (1705.2.3)			
1. Installation of open-web steel joists and joist girders.			
a. End connections – welding or bolted.		<input type="checkbox"/>	SJI specifications, Section 2207.1.
b. Bridging – horizontal or diagonal.			

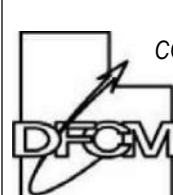


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**ANETH CHAPTER,
NAVAJO NATION**

ANETH, UTAH



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PROJECT NO: 19337310



233 SOUTH PLEASANT GROVE BLVD.
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PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
cma@cmautah.com

DATE: 29 NOV, 2019
PROJECT #: CMA 18-060
PROJ. MAN.: DBN
CHECKED BY: DBN

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PROJECT:

**ANETH UTAH
BUS BUILDING**

ANETH, UTAH

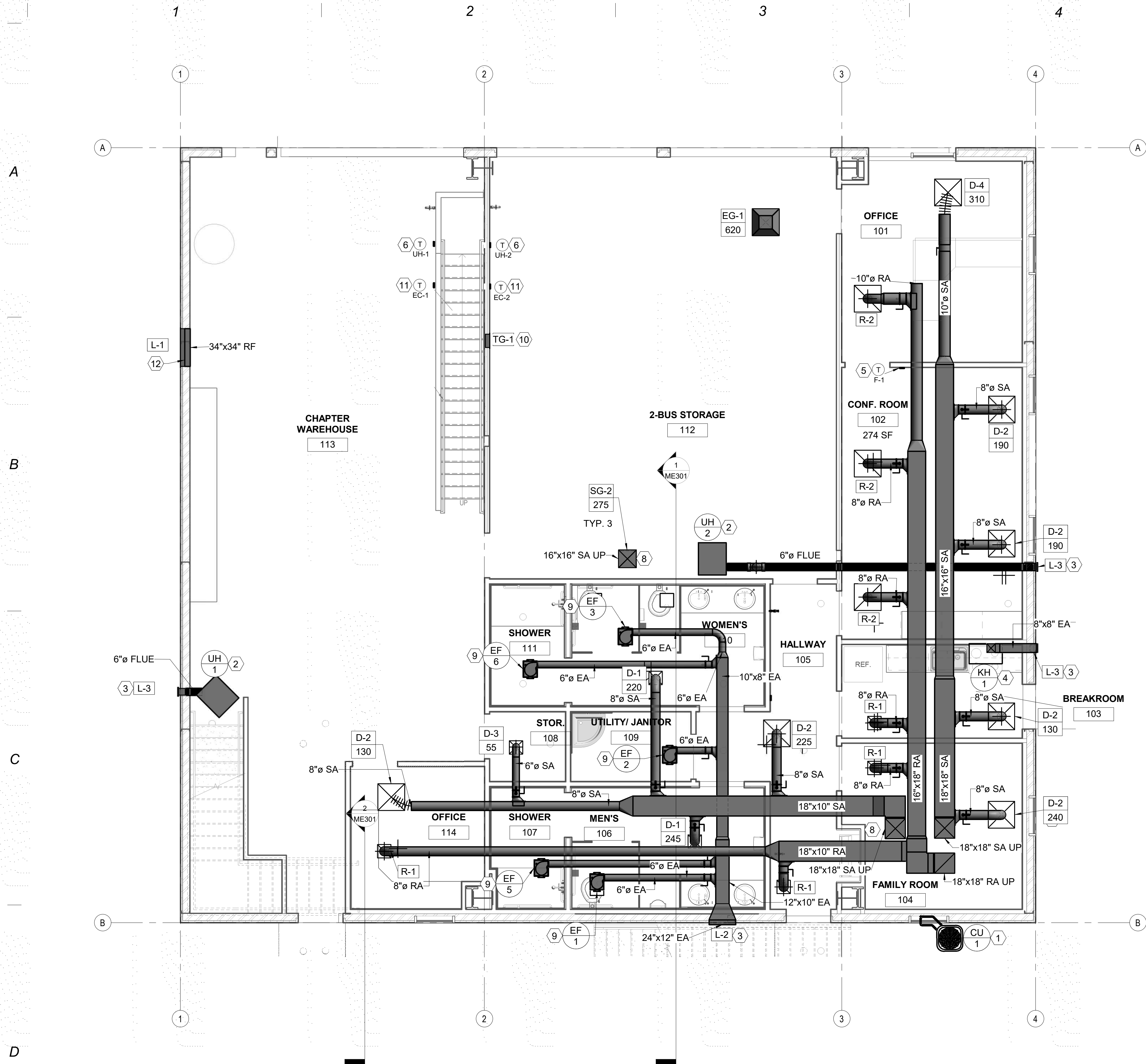
SHEET DESCRIPTION:

**SPECIAL INSPECTIONS AND
TESTING**

SHEET:

MG002

C:\Users\john\Documents\19065 Aneth Bus Station v19 M&P_john\ME101.rvt
3/13/2020 2:35:54 PM



1 LEVEL 1 MECHANICAL FLOOR PLAN
ME101 SCALE: 1/4" = 1'-0"

SHEET NOTES

- 1 PROVIDE NEW CONDENSING UNIT IN THIS APPROXIMATE LOCATION. PROVIDE NEW HOUSEKEEPING PAD. INSTALL PER MANUFACTURERS SPECIFICATIONS. SEE MECHANICAL DETAILS AND SCHEDULE.
- 2 PROVIDE NEW ROOF MOUNTED LP GAS FIRED UNIT HEATER IN THIS APPROXIMATE LOCATION. PROVIDE ALL NECESSARY ELECTRICAL, CONTROL AND FLUE CONNECTIONS. SEE MECHANICAL DETAILS FOR UNIT HEATER HANGER DETAILS AND FLUE DETAIL.
- 3 PROVIDE EXHAUST LOUVER THROUGH WALL IN THIS APPROXIMATE LOCATION. PROVIDE WITH BIRD SCREEN. SEE MECHANICAL DETAILS AND SCHEDULES.
- 4 PROVIDE NEW UL 507 KITCHEN HOOD WITH BACKDRAFT DAMPER PER IMC SECTION 505 IN THIS APPROXIMATE LOCATION. SEE MECHANICAL SCHEDULES SHEET ME601.
- 5 PROVIDE 7 DAY PROGRAMMABLE THERMOSTAT IN THIS APPROXIMATE LOCATION. MOUNT 48" A.F.F.
- 6 PROVIDE NEW HEATING ONLY THERMOSTAT IN THIS APPROXIMATE LOCATION. MOUNT 48" A.F.F.
- 7 PROVIDE NEW SUPPLY DIFFUSER IN THIS APPROXIMATE LOCATION. BALANCE TO CFM AS SHOWN. SEE MECHANICAL DETAILS AND SCHEDULES.
- 8 SEE SHEET ME102 FOR CONTINUATION OF DUCTWORK ON MEZZANINE LEVEL.
- 9 PROVIDE NEW CEILING MOUNTED EXHAUST FAN WITH BACKDRAFT DAMPER IN THIS APPROXIMATE LOCATION. TIE INTO OCCUPANCY SENSORS AND PROVIDE A 15 MINUTE DELAY. INSTALL PER MANUFACTURERS SPECIFICATIONS. SEE MECHANICAL DETAILS AND SCHEDULES.
- 10 PROVIDE TRANSFER AIR GRILLE AND DUCT IN THIS APPROXIMATE LOCATION. SEE MECHANICAL SCHEDULES.
- 11 PROVIDE NEW 6 POSITION SWITCH TO SENSE EVAPORTIVE COOLERS IN THE APPROXIMATE LOCATION. MOUNT 48" A.F.F.
- 12 PROVIDE RELIEF AIR LOUVER IN THIS APPROXIMATE LOCATION. PROVIDE WITH BAROMETRIC BACKDRAFT DAMPER.

GENERAL NOTES:

1. PROVIDE FULL TEST & BALANCE REPORT BY LICENSED AND APPROVED TEST & BALANCE CONTRACTOR.
2. PROVIDE BALANCING DAMPERS ON ALL SUPPLY & EXHAUST BRANCHES.

△	MARK	REVISION	DATE



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**ANETH CHAPTER,
NAVAJO NATION**
ANETH, UTAH

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4110 STATE OFFICE BUILDING
SALT LAKE CITY, UTAH 84114
PHONE: (801) 538-3018
FAX: (801) 538-3267

PROJECT NO: 19337310



233 SOUTH PLEASANT GROVE
BLVD. SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
cma@cmautah.com

DATE: 29 NOV, 2019
PROJECT #: CMA 18-060
PROJ. MAN.: DBN
CHECKED BY: DBN

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PROJECT:

**ANETH UTAH
BUS BUILDING**
ANETH, UTAH

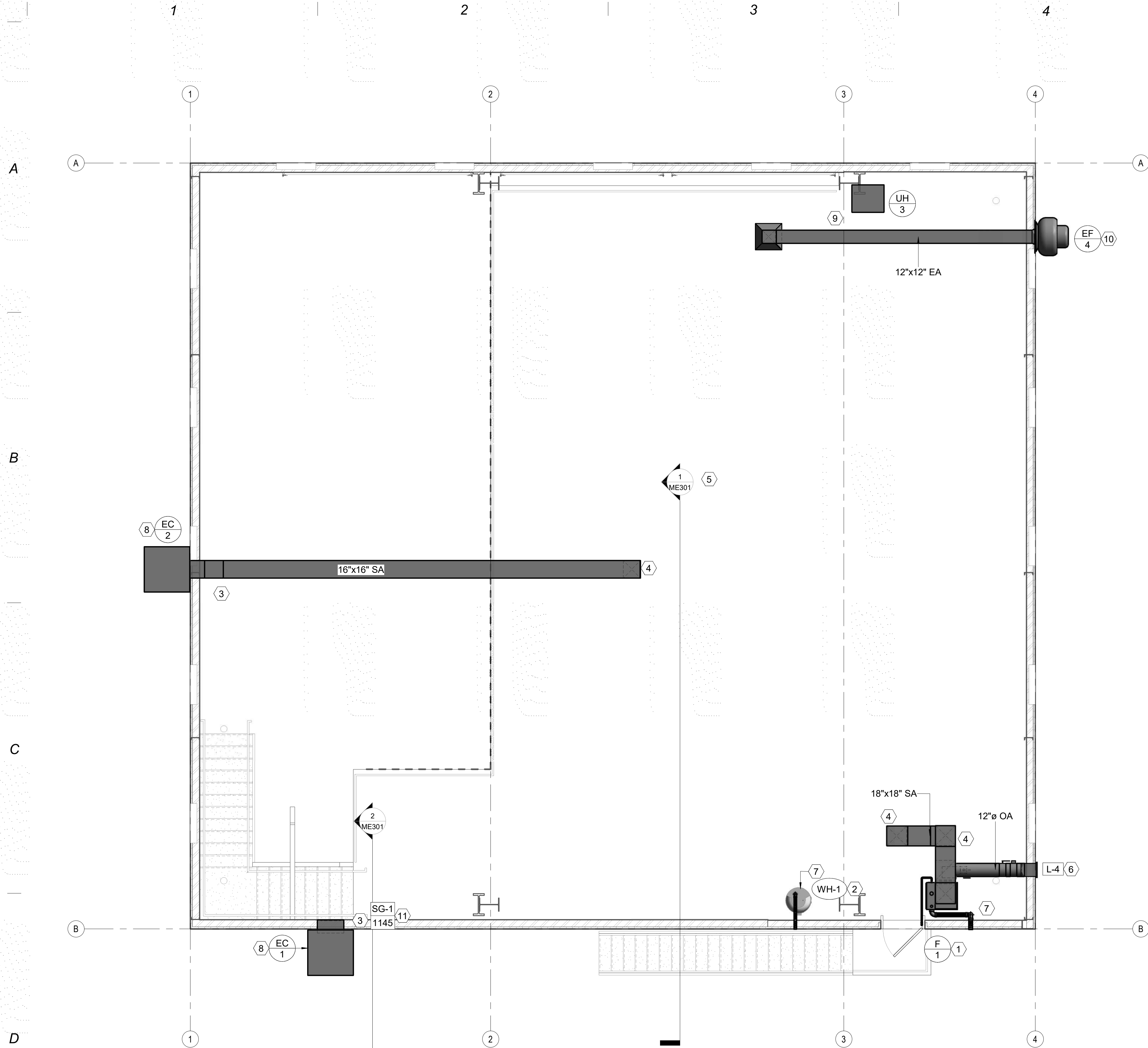
SHEET DESCRIPTION:

**LEVEL 1 MECHANICAL FLOOR
PLAN**

SHEET:

ME101

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1 LEVEL 2 MECHANICAL FLOOR PLAN
ME102 | SCALE: 1/4" = 1'-0"

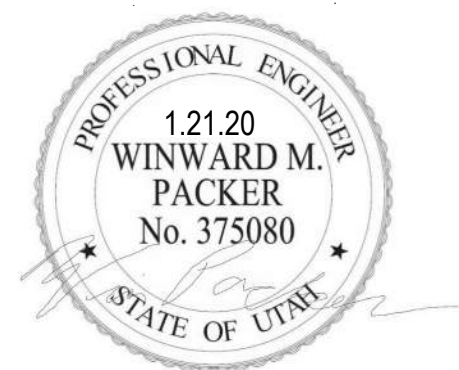
SHEET NOTES

- 1 PROVIDE NEW FURNACE ON MEZZANINE. PROVIDE WITH MATCHED COOLING COIL AND CONDENSER. SEE MECHANICAL DETAILS AND SCHEDULE. PROVIDE CONDENSATE PIPING AND ROUTE TO MOP SINK ON THE FLOOR BELOW.
- 2 PROVIDE WATER HEATER IN THIS APPROXIMATE LOCATION. SEE PLUMBING SHEETS FOR PIPING. SEE MECHANICAL SCHEDULE AND PLUMBING DETAILS. INSTALL PER MANUFACTURERS RECOMMANDATIONS.
- 3 PROVIDE SIDE DISCHARGE DUCTWORK FOR EVAPORATIVE COOLER IN THIS APPROXIMATE LOCATION. SEE PLUMBING SHEETS FOR PIPING. SEE MECHANICAL DETAILS. SEAL PENETRATIONS THROUGH WALL WEATHER TIGHT.
- 4 SEE SHEET ME101 FOR CONTINUATION OF DUCT ON LEVEL 1.
- 5 SEE SHEET ME301 FOR SECTION VIEWS OF DUCT LAYOUT.
- 6 SEE MECHANICAL DETAILS SHEET FOR TYPICAL FRESH AIR DETAIL. PROVIDE MOTORIZED AND MANUAL DAMPER. PROVIDE LOUVER WITH BIRD SCREEN. SEAL PENETRATIONS WEATHER TIGHT.
- 7 PROVIDE FLUE AND COMBUSTION AIR CONCENTRIC KIT IN THIS APPROXIMATE LOCATION. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SEE MECHANICAL DETAILS SEAL PENETRATIONS WEATHER TIGHT.
- 8 PROVIDE NEW SIDE DISCHARGE EVAPORATIVE COOLER IN THIS APPROXIMATE LOCATION. SEE DETAILS FOR MOUNTING DETAIL. SEE PE101 FOR DOMESTIC COLD WATER. SEE ME501 FOR DRAIN PIPING DETAIL.
- 9 PROVIDE NEW EXHAUST DUCT IN THIS APPROXIMATE LOCATION. ROUTE DUCT AS HIGH AS POSSIBLE SEAL PENETRATIONS WEATHER TIGHT.
- 10 PROVIDE NEW WALL MOUNTED EXHAUST FAN IN THIS APPROXIMATE LOCATION. SEE MECHANICAL DETAILS AND MECHANICAL SCHEDULE. SEAL PENETRATIONS WEATHER TIGHT.
- 11 PROVIDE DUCT MOUNTED SIDE WALL GRILLE IN THIS APPROXIMATE LOCATION. SEE MECHANICAL SCHEDULES.

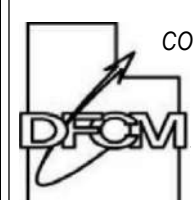
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cma@cmautah.com

DATE: 29 NOV, 2019
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ANETH, UTAH

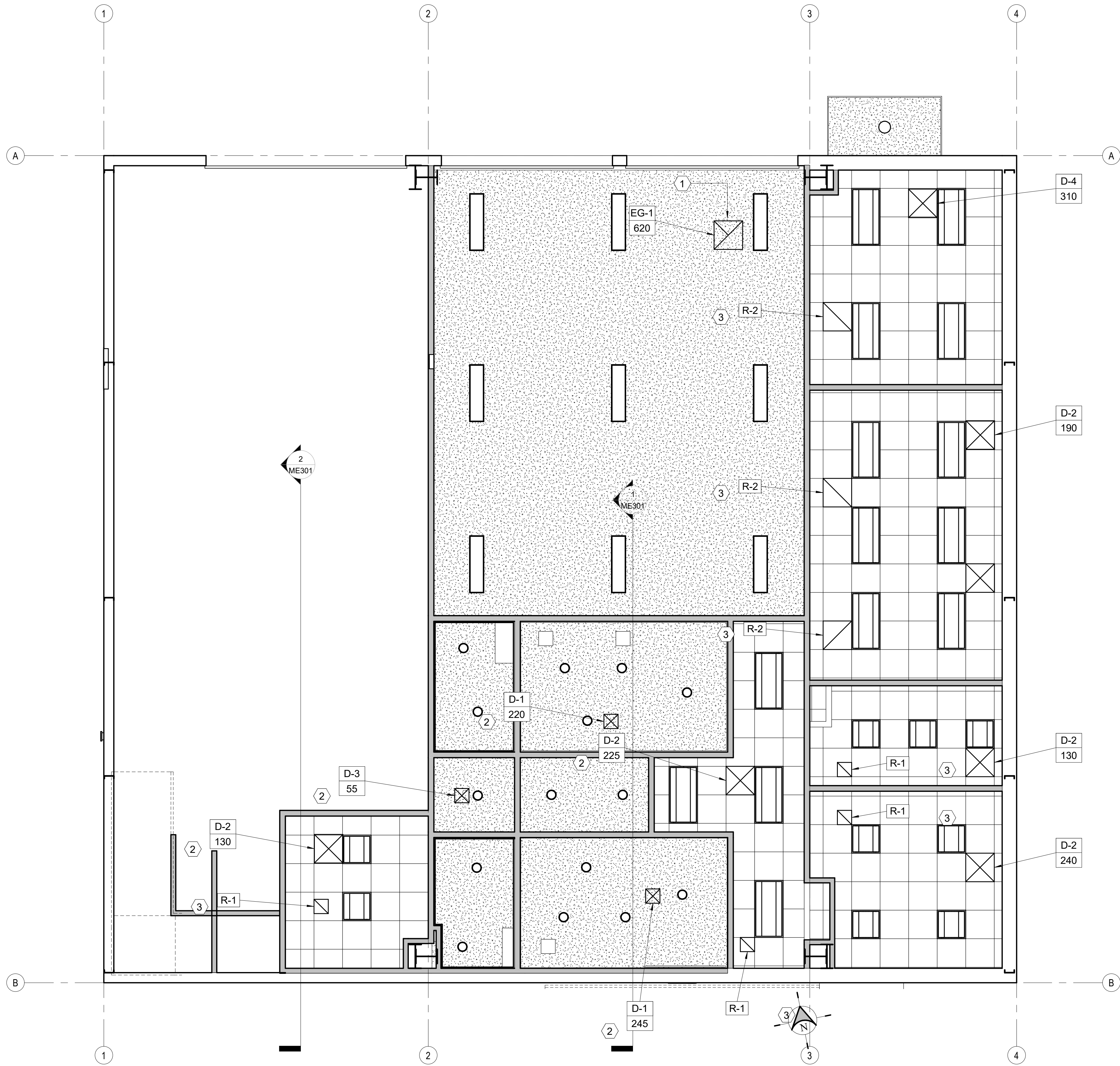
SHEET DESCRIPTION:

**LEVEL 2 MECHANICAL FLOOR
PLAN**

SHEET:

ME102

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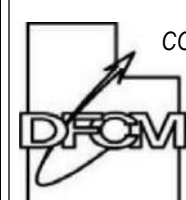


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BUS BUILDING**

ANETH, UTAH

SHEET DESCRIPTION:

LEVEL 1 RCP

SHEET:

ME201

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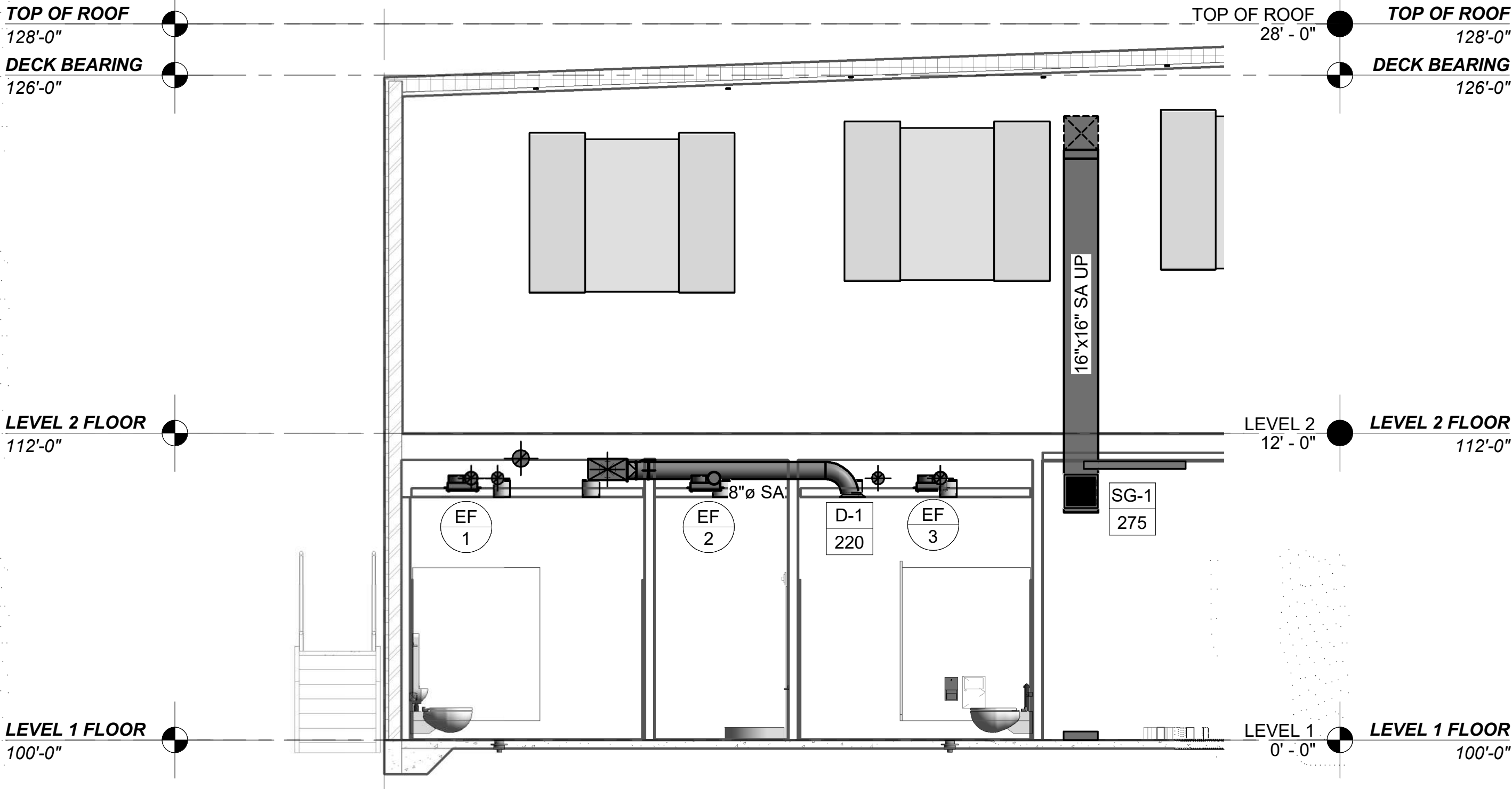
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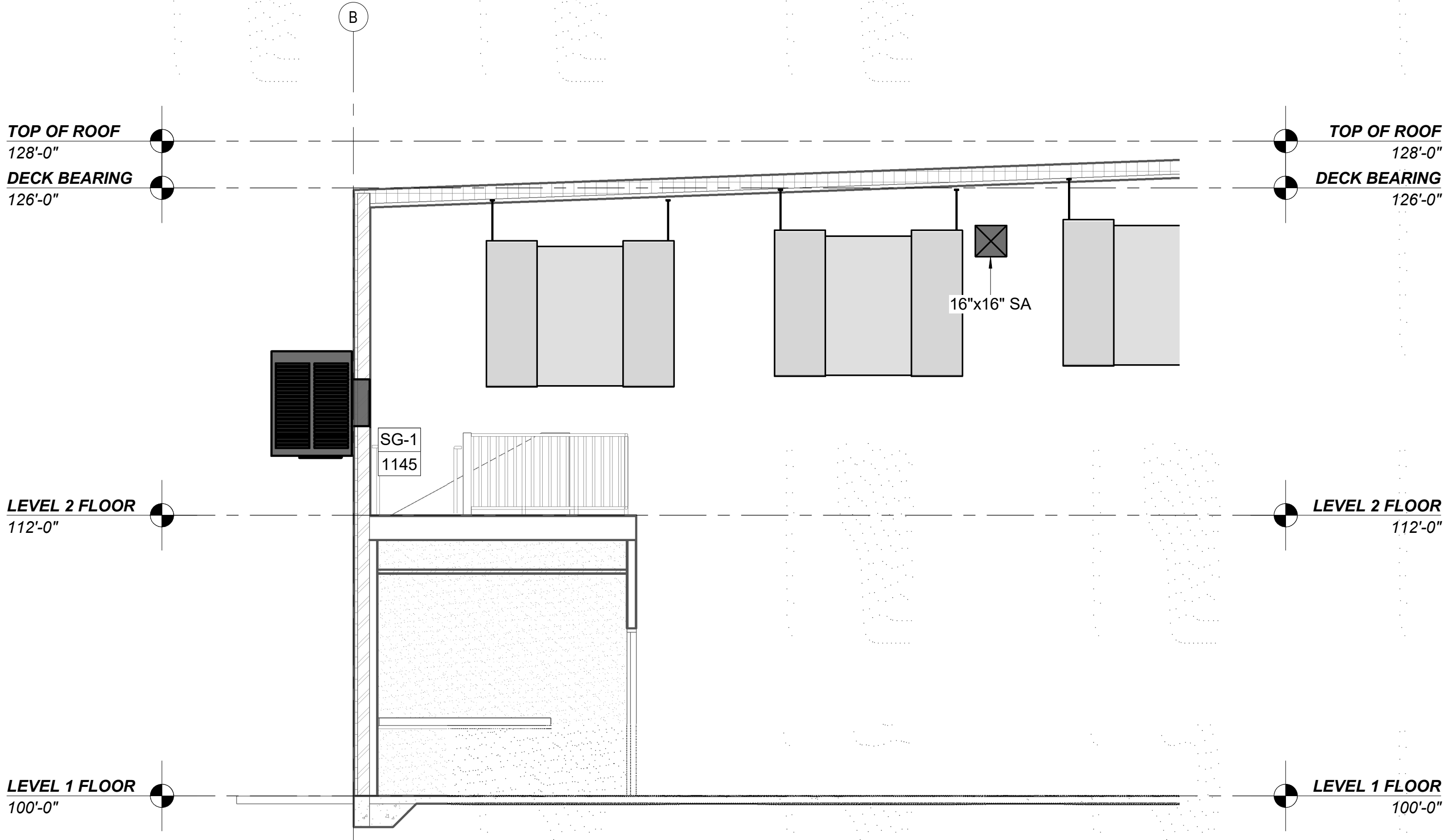
B

C

D



1 Section 1
ME301 | SCALE: 1/4" = 1'-0"



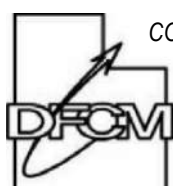
2 Section 2
ME301 | SCALE: 1/4" = 1'-0"



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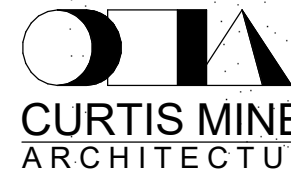
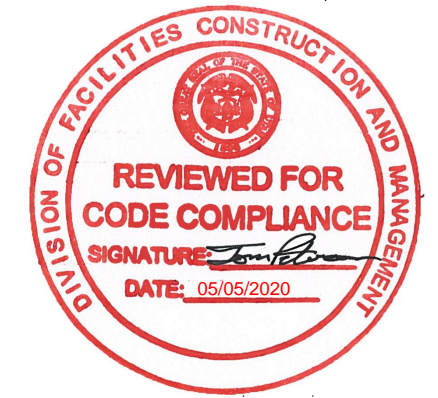


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PROJECT:

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BUS BUILDING**

ANETH, UTAH

SHEET DESCRIPTION:

SECTIONS VIEWS

DATE: 29 NOV, 2019
PROJECT #: CMA 18-060
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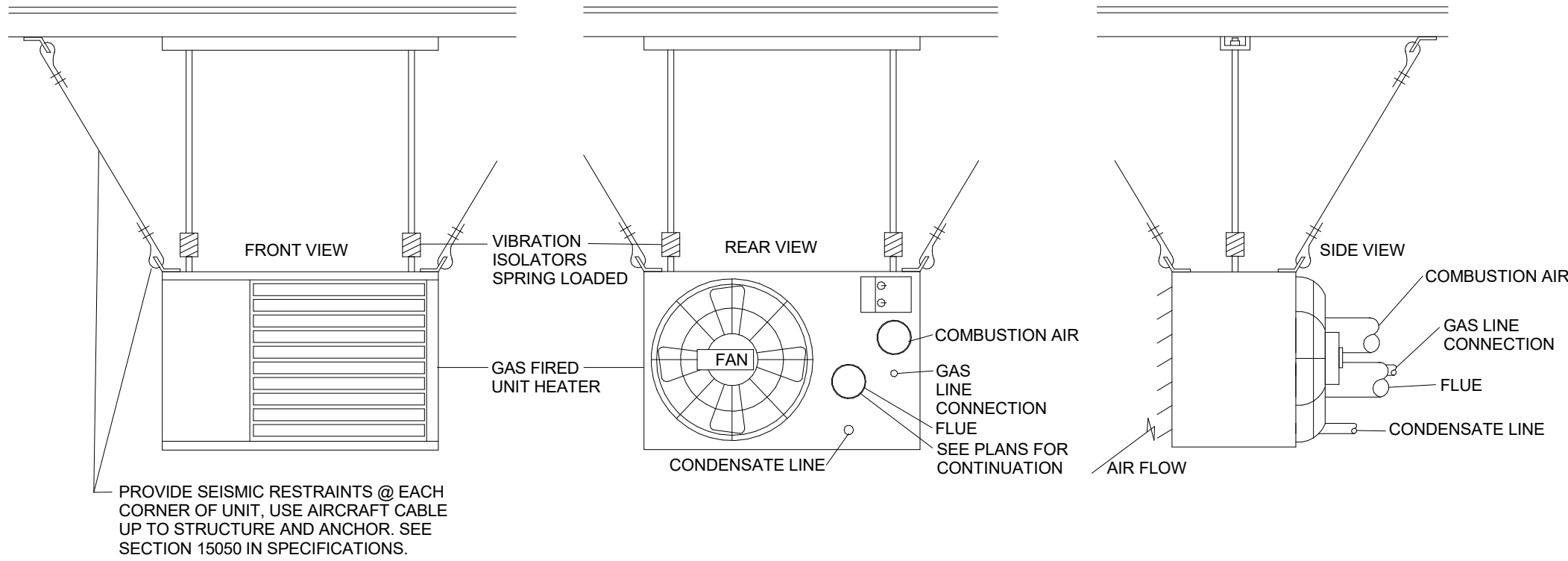
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SHEET:

ME301

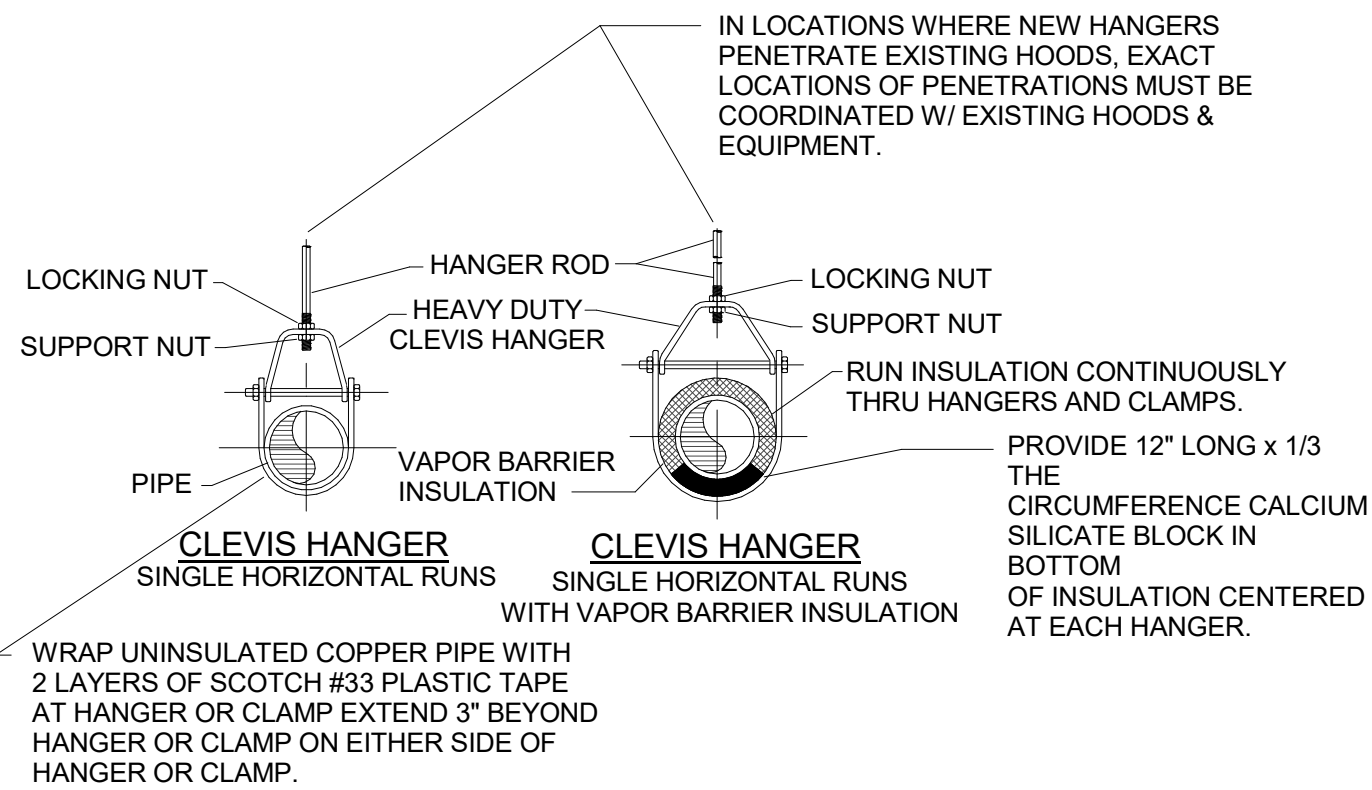
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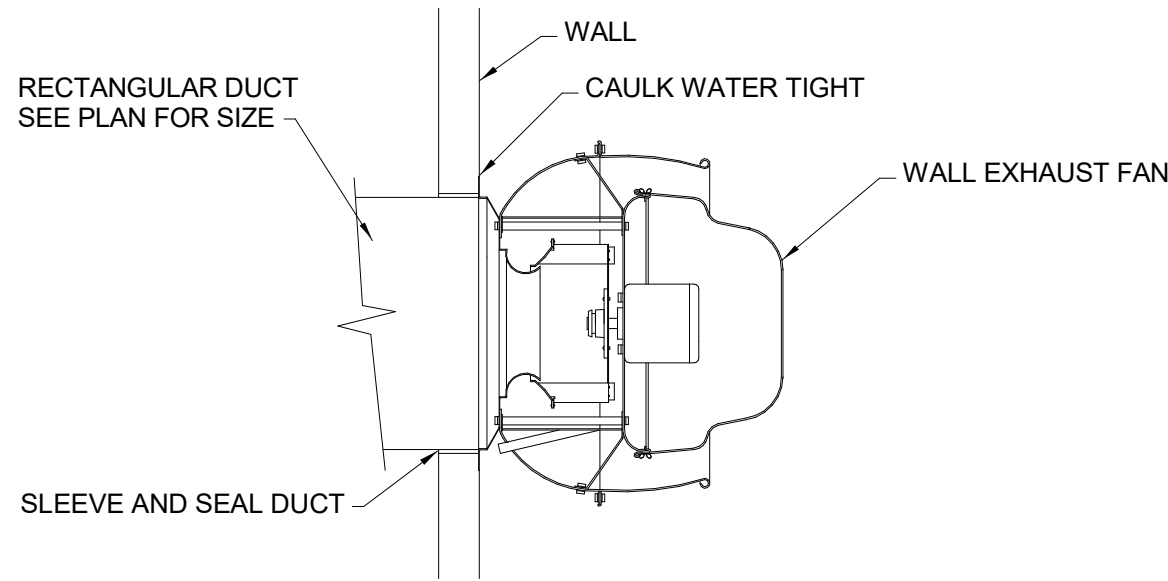
B1 GAS FIRED UNIT HEATER DETAIL
SCALE: NONE

B



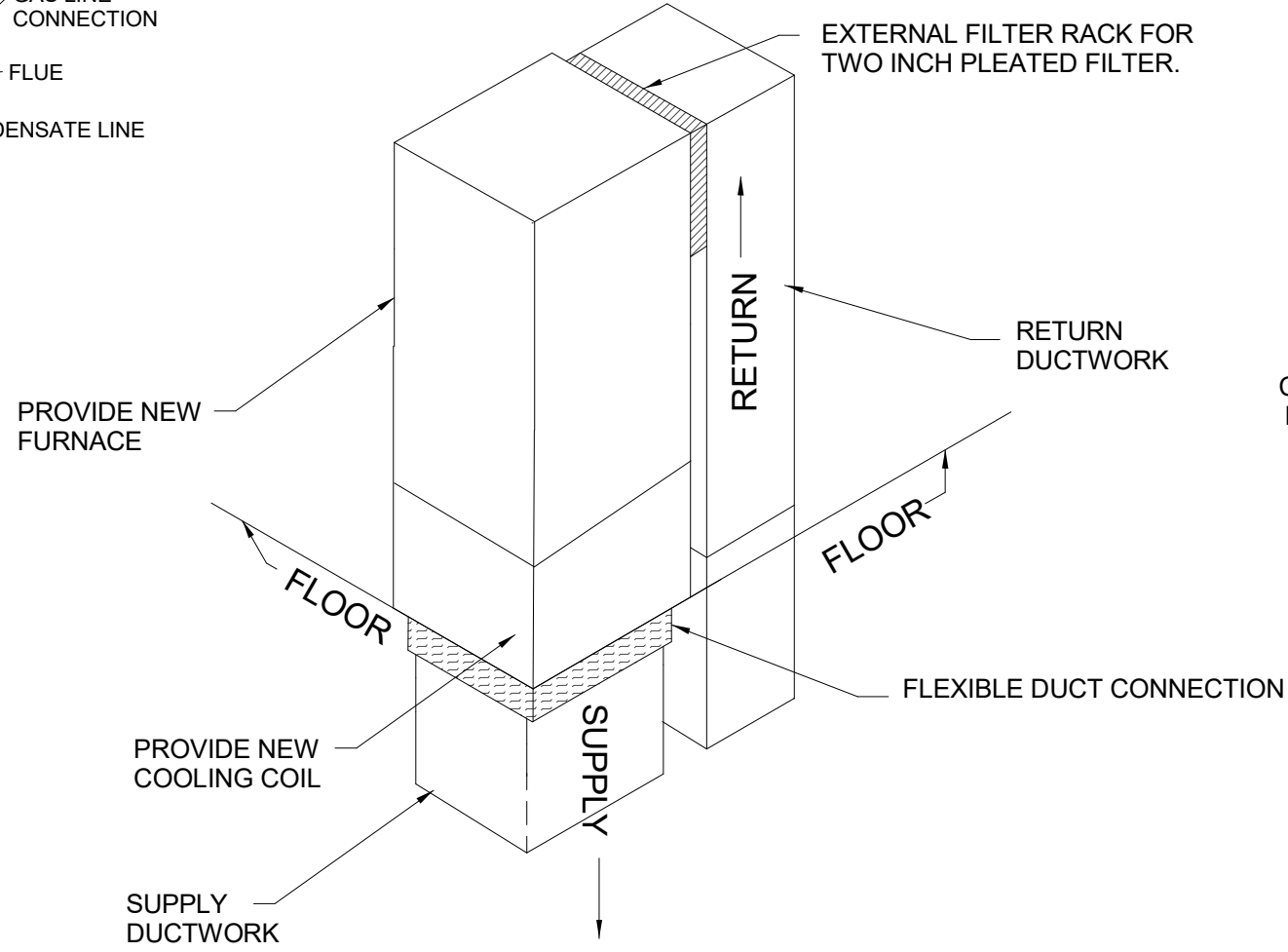
C1 PIPE HANGER DETAIL
SCALE: NONE

C

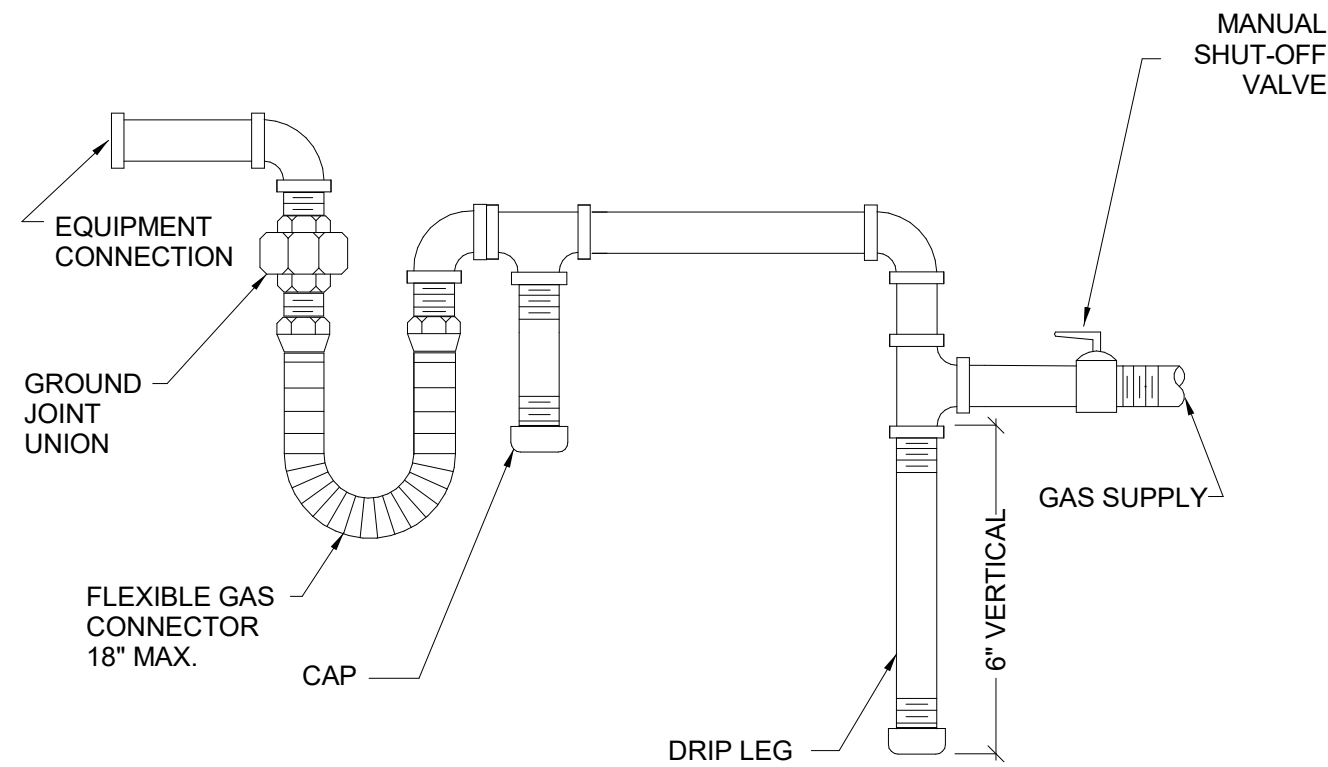


D1 WALL MOUNTED EXHAUST FAN DETAIL
SCALE: NONE

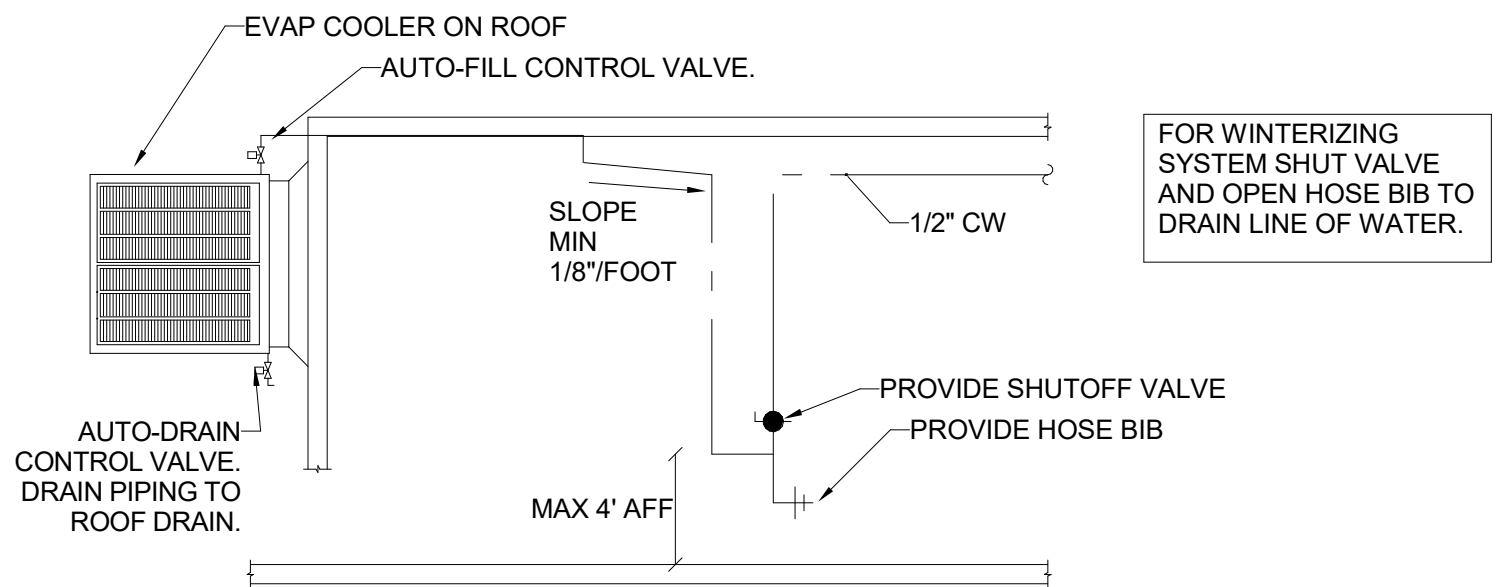
D



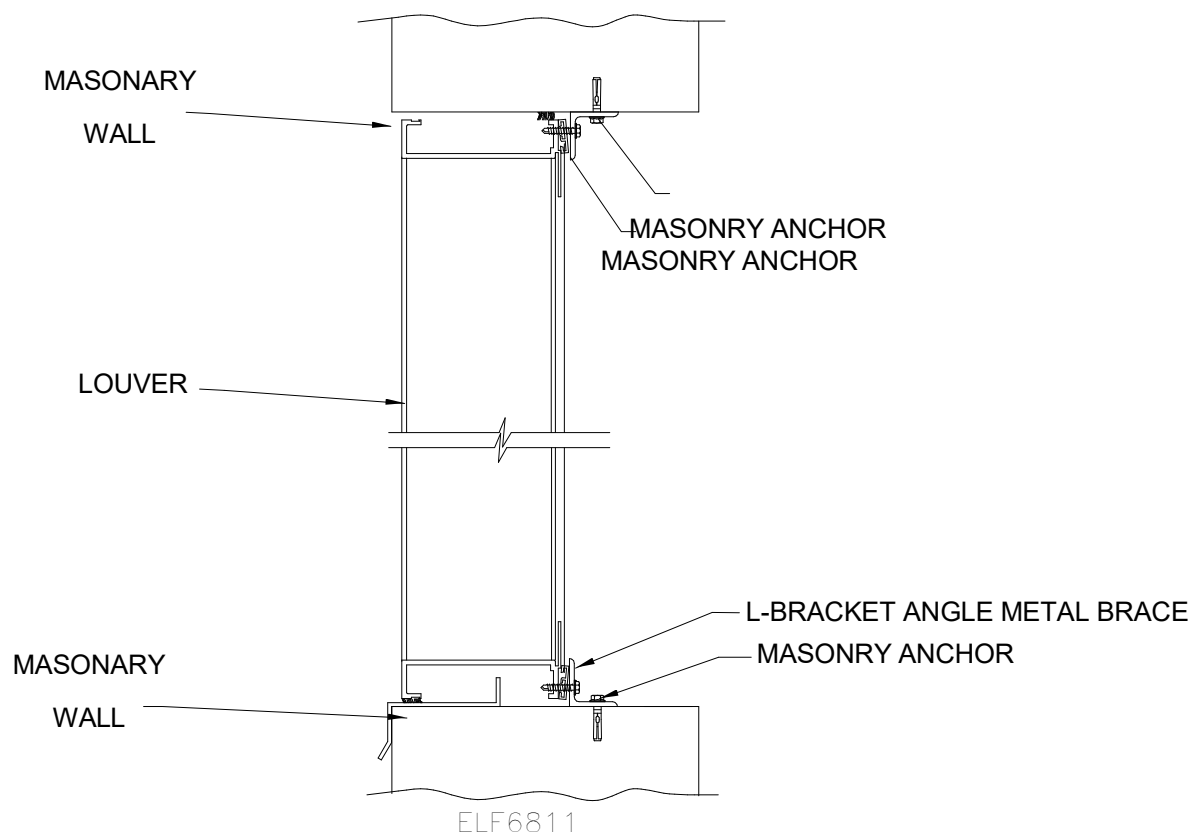
B3 UP FLOW FURNACE DETAIL
SCALE: NONE



D3 GAS LINE CONNECTION DETAIL
SCALE: NONE



B5 EVAPORATIVE COOLER DETAIL
SCALE: NONE



C5 LOUVER INSTALLATION - MASONRY
SCALE: NONE



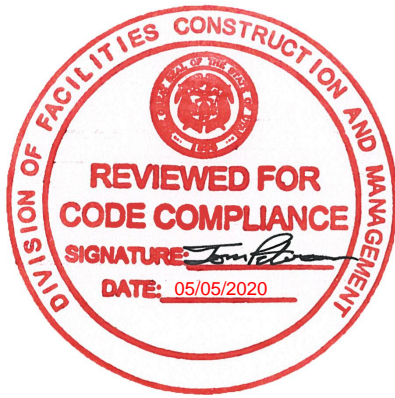
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DATE: 29 NOV, 2019
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PROJECT:

ANETH UTAH BUS BUILDING

ANETH, UTAH

SHEET DESCRIPTION:

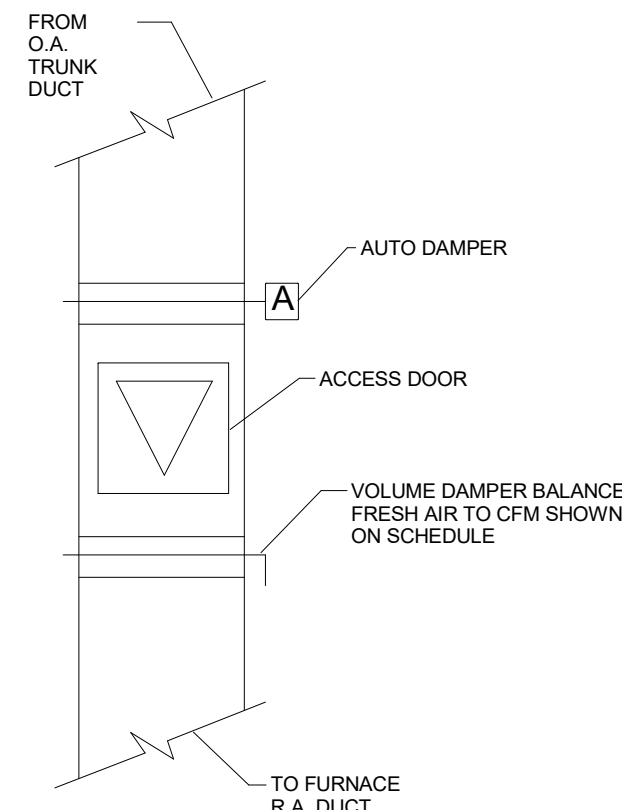
MECHANICAL DETAILS

SHEET:

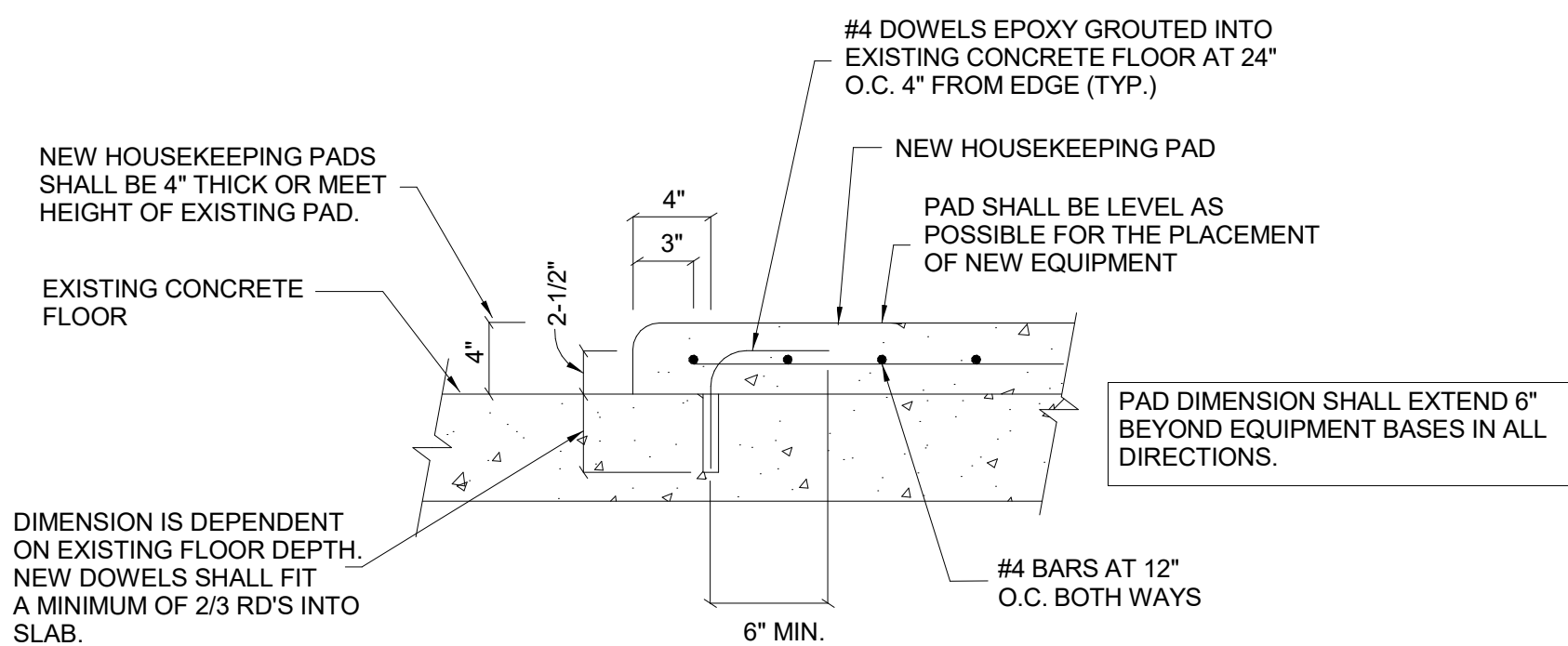
ME501

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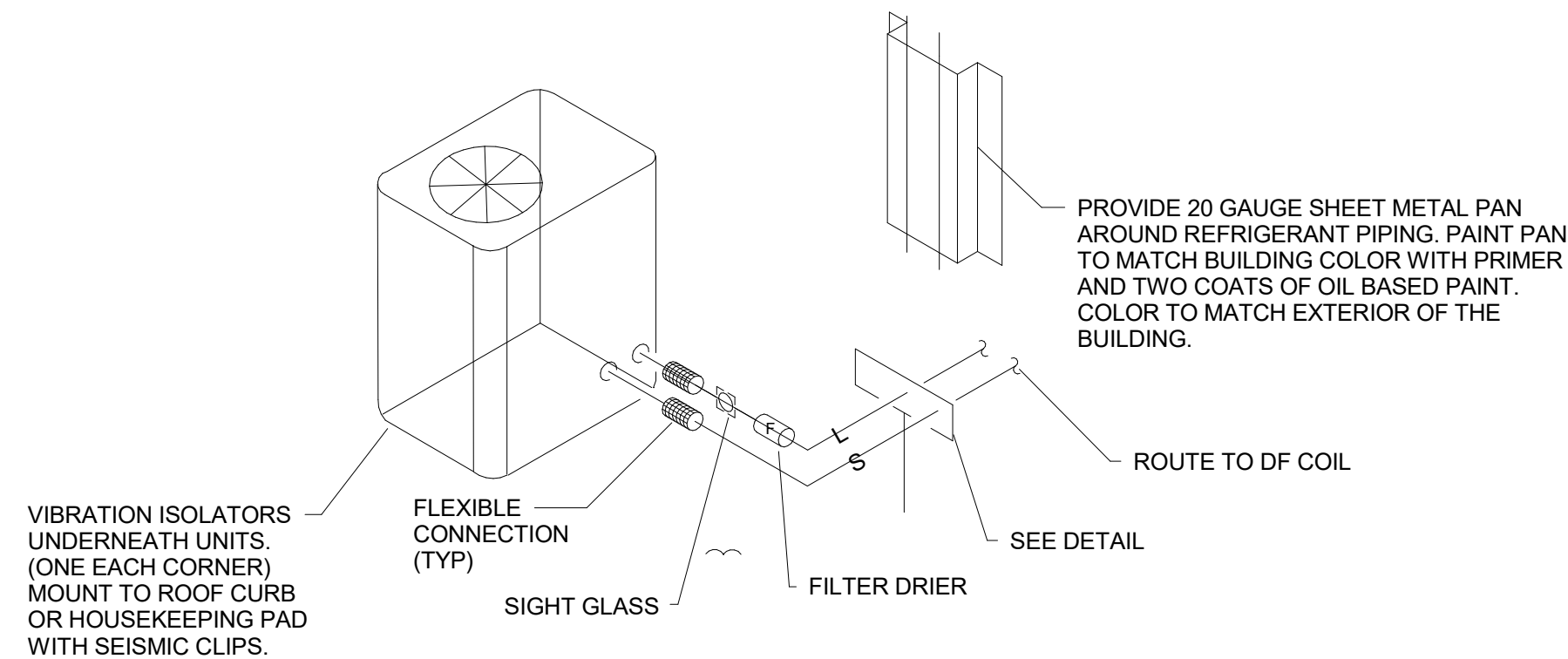
A



B1 FRESH AIR DUCT DETAIL
SCALE: NONE



B3 HOUSEKEEPING PAD
SCALE: NONE

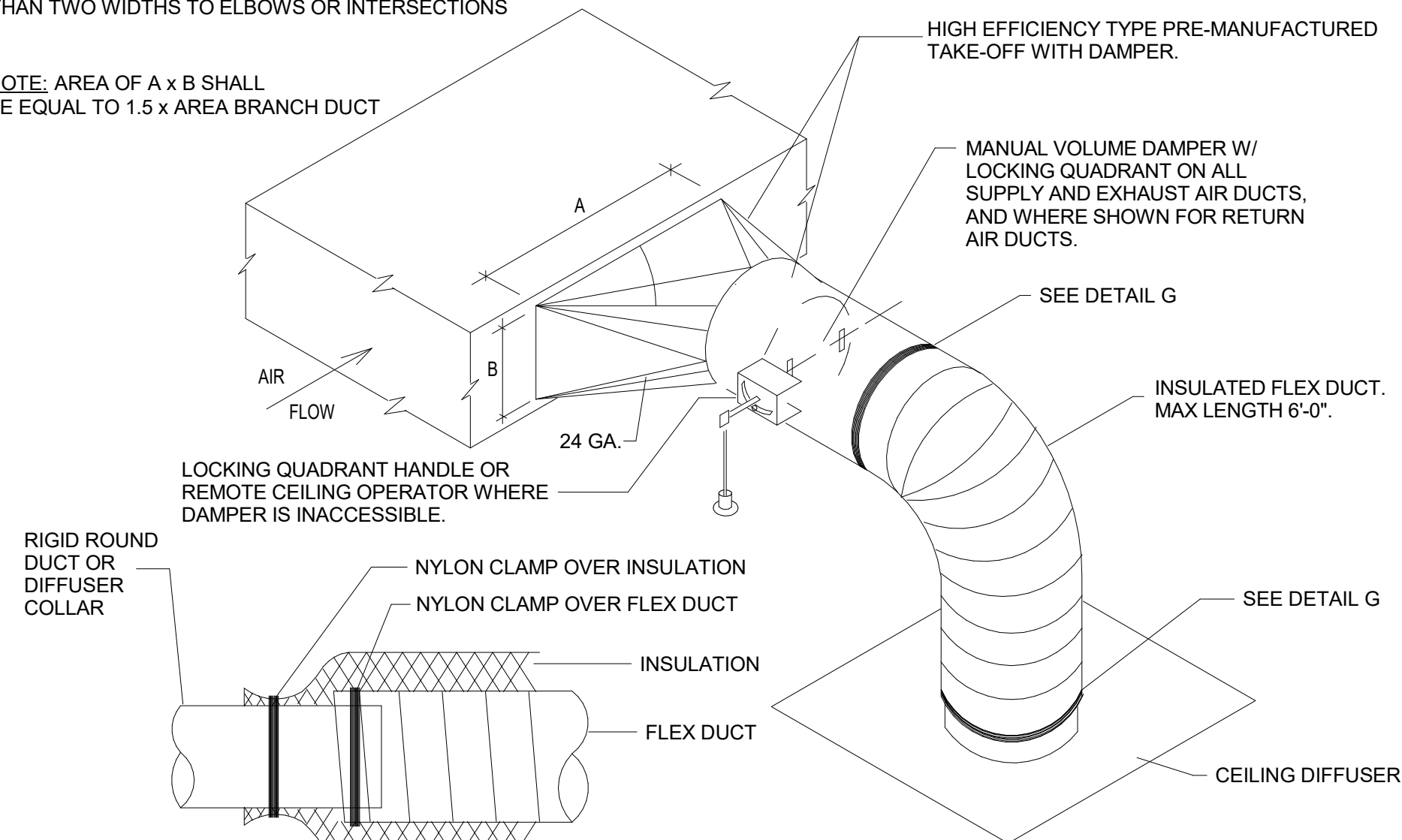


B5 TYPICAL AIR COOLED CONDENSING UNIT DETAIL
SCALE: NONE

$$B$$

NOTE: TAKE-OFFS SHOULD NOT BE INSTALLED CLOSER THAN TWO WIDTHS TO ELBOWS OR INTERSECTIONS

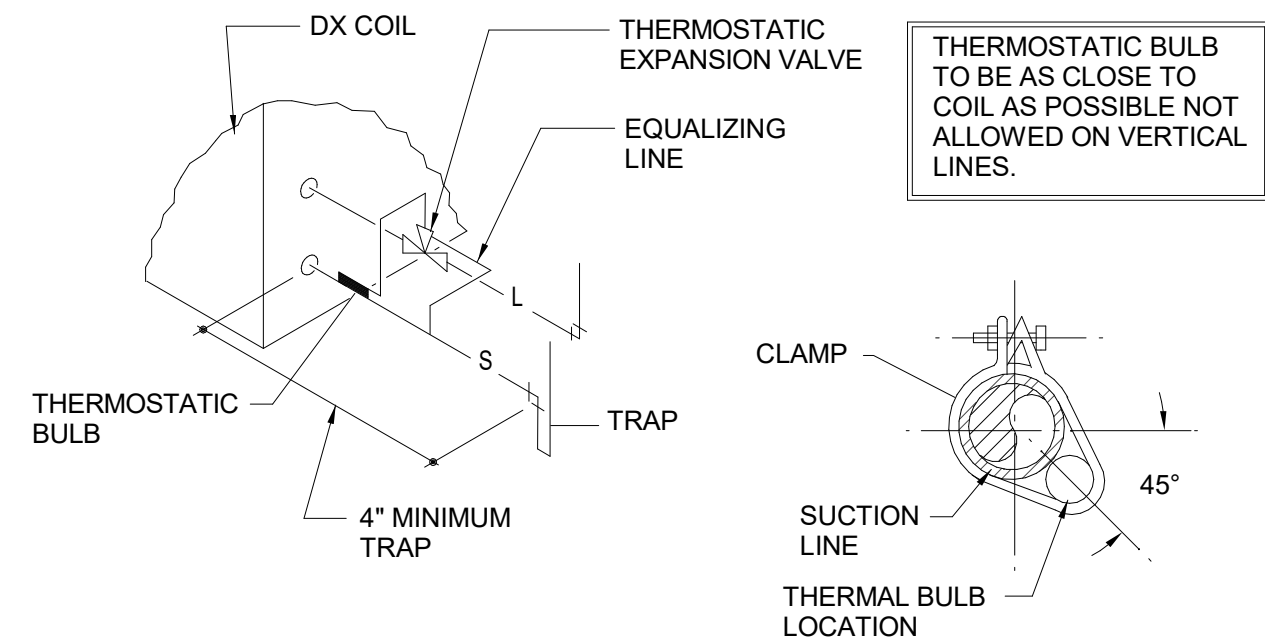
NOTE: AREA OF A x B SHALL
BE EQUAL TO 1.5 x AREA BRANCH DUCT



DETAIL G

SCALE: NONE

D3 SQUARE-TO-ROUND TAKE-OFF DETAIL
SCALE: NONE



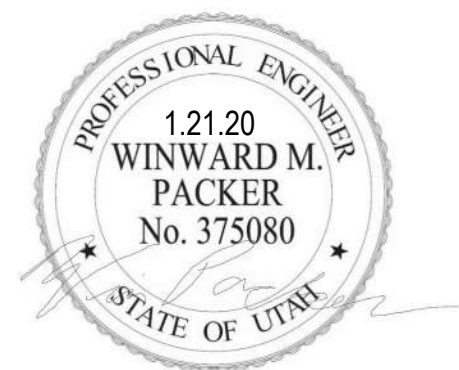
C5 SINGLE REFRIGERANT COIL
CONNECTION DETAIL
SCALE: NONE

C

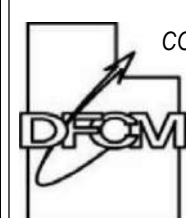


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PROJECT:

ANETH UTAH
BUS BUILDING

ANETH, UTAH

SHEET DESCRIPTION:

MECHANICAL DETAILS

SHEET:

ME502

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A

FURNACE SCHEDULE																		TYP #	
TAG		AREA SERVED	CFM	CFM (OUTSIDE AIR)	ESP	HEATING		HEATING EFFICIENC Y	ELECTRICAL				DIMENSIONS				MANUF & MODEL	SCHEDULE NOTES	
TYPE	#					INPUT (BTU/HR)	OUTPUT (BTU/HR)		VOLTAGE	PHASE	FREQUENCY	HP	RPM	LENGTH	WIDTH	HEIGHT			OPERATING WEIGHT
F	1	LEVEL1	1,995 CFM	400 CFM	0.5 in-wg	80000.0 Btu/h	77,600 Btu/h	96	115 V	1	60 Hz	1 hp	3300	2' - 4"	2' - 0 1/2"	3' - 4"	140 lb	TRANE S9V2C080U	1,2,3,4,5

1. PROVIDE WITH MATCHED COOLING COIL.
2. SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS.
3. PROVIDE WITH INTEGRAL CONDENSATE PUMP. ROUTE CONDENSATE LINE TO NEAREST FLOOR DRAIN OT FUNNEL DRAIN.
4. PROVIDE WITH THERMOSTAT.
5. PROVIDE WITH LP GAS KIT.

B

CONDENSING UNIT SCHEDULE													TYP #
TAG		INDOOR UNIT SERVED	COOLING (BTU/HR)	ELECTRICAL					SEER	OPERATIN G WEIGHT	MANUF & MODEL	SCHEDUL E NOTES	
TYPE	#			VOLTAGE	PHASE	FREQUENCY	MCA	MOCP					
CU	1	F-1	54,000 Btu/h	230 V	1	60 Hz	31 A	50 A	14	211 lb	TRANE 4TTR4	1,2,3	

1. REFRIGERANT R-410A.
2. SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS.
3. PROVIDE LOW AMBIENT KIT. UNIT SHALL PROVIDE COOLING OPERATION AT 0 DEGREES AMBIENT.

EXHAUST FAN SCHEDULE													TYP #
TAG		AREA SERVED	CFM	ESP	ELECTRICAL					SONES	OPERATING WEIGHT	MANUF & MODEL	SCHEDULE NOTES
TYPE	#				VOLTAGE	PHASE	FREQUENCY	RPM	HP				
EF	1	MENS RESTROOM	250 CFM	0.35 in-wg	115 V	1	60 Hz	1500	0.1 hp	4	24 lb	COOK GC-422	1
EF	2	JANITOR/UTILITY CLOSET	85 CFM	0.35 in-wg	115 V	1	60 Hz	1075	0.1 hp	2.5	12 lb	COOK GC-148	2
EF	3	WOMENS RESTROOM	250 CFM	0.35 in-wg	115 V	1	60 Hz	1500	0.1 hp	4	24 lb	COOK GC-422	1
EF	4	BUS STORAGE	620 CFM	0.35 in-wg	115 V	1	60 Hz	1467	0.13 hp	8.5	29 lb	COOK 101V15D	2
EF	5	MENS RESTROOM	50 CFM	0.35 in-wg	115 V	1	60 Hz	1500	0.1 hp	4	24 lb	COOK GC-422	1
EF	6	WOMENS RESTROOM	50 CFM	0.35 in-wg	115 V	1	60 Hz	1500	0.1 hp	4	24 lb	COOK GC-422	1

1. INTERLOCK FAN WITH SWITCH IN RESTROOM. PROVIDE 15 MINUTE TIME DELAY.
2. RUN CONTINUOUSLY.

UNIT HEATER SCHEDULE													TYP #
TAG		AREA SERVED	CFM	HEAT INPUT (BTU/HR)	HEAT OUTPUT (BTU/HR)	ELECTRICAL			MOUNTING HEIGHT	FLUE	OPERATING WEIGHT	MANUF & MODEL	SCHEDULE NOTES
TYPE	#					VOLTAGE	PHASE	FREQUENCY					
UH	1	WAREHOUSE	990 CFM	60,000 Btu/h	48,000 Btu/h	120 V	1	60 Hz	8' - 9"	6"	80 lb	MODINE HD60	1,2,3
UH	2	BUS STORAGE	720 CFM	45,000 Btu/h	36,000 Btu/h	120 V	1	60 Hz	8' - 9"	6"	80 lb	MODINE HD45	1,2,3
UH	3	WAREHOUSE	990 CFM	60,000 Btu/h	48,000 Btu/h	120 V	1	60 Hz	8' - 9"	6"	80 lb	MODINE HD60	1,2,3

1. SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS.
2. PROVIDE WITH HANGER RODS C/W VIBRATION ISOLATERS SEISMICALLY BRACED UNITS.
3. LP GAS KIT

C

LOUVER SCHEDULE									TAG
TAG	AREA SERVED	MAX FLOW	FACE SIZE		MIN FREE AREA	MAX VELOCITY	MAX NC	MANUF & MODEL	SCHEDULE NOTES
			HEIGHT	WIDTH					
L-1	WAREHOUSE	1350 CFM	34"	34"	2.3 ft²	500 ft/min	25	RUSKIN ELF811	1,2,3
L-2	RESTROOM	685 CFM	12"	24"	1.5 ft²	500 ft/min	25	RUSKIIN ELF8111	1,2,3
L-3	KITCHEN	190 CFM	6"	6"	0.5 ft²	500 ft/min	25	RUSKIIN ELF8111	1,2,3
L-4	FURANCE	400 CFM	12"	12"	1.0 ft²	500 ft/min	25	RUSKIIN ELF8111	1,2,3

1. SHALL BE RUSKIN811 OR APPROVED EQUAL.
2. SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS.
3. FINISH SHALL BE STANDARD WHITE.

KITCHEN HOOD SCHEDULE												TYP #
TAG		HOOD TYPE	EXHAUST		DIMENSIONS				OPERATING WEIGHT	MANUF & MODEL	SCHEDULE NOTES	
TYPE	#		CFM	STATIC PRESSURE	LENGTH	WIDTH	MOUNTING HEIGHT					
KH	1	RESOLUTION	190 CFM	0.00 in-wg	2' - 6"	1' - 6"	5' - 6"	40 lb		BROAN F4000	Yes	

1. PROVIDE UL507 HOOD COMPLIANT WITH IMC 505.

D

EVAPORATIVE COOLER SCHEDULE												TYP #
TAG		AREA SERVED	CFM	ESP	PUMP		FAN			OPERATING WEIGHT	MANUF & MODEL	SCHEDULE NOTES
TYPE	#				V/PH/HZ	HP	V/PH/HZ	HP	SPEED			
EC	1	WAREHO SE	1,145 CFM	0.3 in-wg	120/1/60	1/15	208/3/60	1 hp	2	403 lb	75/85 DD	1,2
EC	2	BUS STORAGE	825 CFM	0.3 in-wg	120/1/60	1/15	208/3/60	1 hp	2	403 lb	75/85 DD	1,2

1. WALL MOUNTED SIDE DISCHARGE
2. PROVIDE WITH AUTO FILL VALVES AND DRAIN PIPING.

DIFFUSER AND GRILLE SCHEDULE									TAG CFM	TAG
TAG	MAX FLOW	FACE SIZE		NECK SIZE	CEILING TYPE	BLOW PATTERN	MAX NC	MANUF & MODEL	SCHEDULE NOTES	
		LENGTH	WIDTH	LENGTH/ DIAMETER						
D-1	260 CFM	12"	12"	8"	HARD	4 WAY	25	PRICE SPD	1,2	
D-2	325 CFM	24"	24"	8"	LAY-IN	4 WAY	25	PRICE SPD	1,2	
D-3	180 CFM	12"	12"	6"	HARD	4 WAY	25	PRICE SPD	1,2	
D-4	450 CFM	24"	24"	10"	LAY-IN	4 WAY	25	PRICE SPD	1,2	
EG-1	1,200 CFM	24"	24"	24"	LAY-IN	N/A	25	PRICE 535	1,2	
R-1	260 CFM	12"	12"	8"	LAY-IN	4 WAY	25	PRICE SPD	1,2	
R-2	325 CFM	24"	24"	8"	LAY-IN	4 WAY	25	PRICE SPD	1,2	
SG-1	275 CFM	16"	16"		SIDEWALL	1 WAY	25	PRICE 535	1,2	
SG-2	600 CFM	16"	16"	16"	HARD	N/A	25	PRICE 535	1,2	
TG-1	500 CFM	24"	12"		SIDEWALL	N/A	25	PRICE 535	1,2	

1. SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS.
2. FINISH SHALL BE STANDARD WHITE.

WATER HEATER (GAS) SCHEDULE										TAG
EQUIPMENT NUMBER	INPUT (BTU/HR)	GPH RECOVERY @ 90 F	STORAGE CAPACITY	RELIEF VALVE BTU / PRESSURE RATING	FLUE	OPERATING WEIGHT	MANUF & MODEL	SCHEDULE NOTES		
WH-1	50,000 Btu/h	56	50 gal	PER MANUFACTURERS RECOMMENDATIONS	3"	192 lb	AO SMITH GPVT-50	1,2,3,4		

1. SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS.
2. 120/1/60 - 30 AMP BREAKER
3. HIGH ALTITUDE MODEL.
4. LP GAS KIT.



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**ANETH CHAPTER,
NAVAJO NATION**
ANETH, UTAH



PROJECT NO: 19337310



CURTIS MINER ARCHITECTURE
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
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PHONE: (801) 769-3000
cma@cmautah.com

DATE: 29 NOV, 2019
PROJECT #: CMA 18-060
PROJ. MAN.: DBN
CHECKED BY: DBN

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PROJECT:

**ANETH UTAH
BUS BUILDING**

ANETH, UTAH

SHEET DESCRIPTION:

MECHANICAL SCHEDULE

SHEET:

ME601

△	MARK	REVISION	DATE

PLUMBING LEGEND			
MEANING	SYMBOL OR ABBREVIATION	MEANING	SYMBOL OR ABBREVIATION
HOT WATER LINE	— HW —	WALL CLEANOUT	WCO
COLD WATER LINE	— CW —	CLEANOUT	CO
HOT WATER RECIRCULATING LINE	— HWREC —	CLEANOUT TO GRADE	COTG
VENT LINE	— V —	FLOOR CLEANOUT	FCO
WASTE LINE	— SS —	BALL VALVE	⌀
GAS LINE	G	UNION	— — —
VENT THRU ROOF	VTR	CONNECTION TO EXISTING PIPING	⊕
UNDER FLOOR	UF	REGULATOR	Ⓜ
SANITARY SEWER	SS	SOFT WATER	SW
PRIMARY ROOF DRAIN	PRD	SECONDARY ROOF DRAIN	SRD

PLUMBING GENERAL NOTES

G-1 - ALL PLUMBING SHALL BE INSTALLED AND CONFORM TO THE 2018 EDITION OF THE INTERNATIONAL PLUMBING CODE (IPC) WITH UTAH ANNOTATIONS AND LOCAL AUTHORITY REQUIREMENTS.

G-2 - ALL PIPING MATERIALS SHALL MEET ALL REQUIREMENTS OF IPC AND LOCAL AUTHORITY. PLASTIC PIPING SHALL BE ALLOWED ONLY WHERE ALLOWED BY CODE. PLASTIC PIPING SHALL NOT BE ROUTED THROUGH RETURN AIR PLENUMS OR OTHER AREAS PROHIBITED BY THE IMC, IPC, OR NFPA CODES OR BY LOCAL AUTHORITY.

G-3 - GAS PIPING INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH GAS COMPANY REGULATIONS, NFPA CODE REQUIREMENTS, AND LOCAL AUTHORITY.

G-4 - ALL MATERIALS SHALL BE NEW AND SHALL BE DOMESTIC MADE UNLESS SPECIFICALLY APPROVED OTHERWISE IN WRITING BY ARCHITECT OR OWNER.

G-5 - PROVIDE VACUUM BREAKERS AND BACK FLOW PREVENTERS WHERE REQUIRED BY CODE OR WHERE THERE MAY BE ANY POSSIBLE CHANCE FOR CROSS CONTAMINATION. PREVENTERS SHALL BE INSTALLED IN ACCORDANCE WITH UTAH CODE.

G-6 - ALL PLUMBING INFORMATION IS NOT LIMITED TO THE PLUMBING DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMATION ON ALL OTHER CONSTRUCTION DOCUMENTS INCLUDING SPECIFICATIONS, ARCHITECTURAL DRAWING, STRUCTURAL DRAWINGS, MECHANICAL DRAWINGS, AND ELECTRICAL DRAWINGS.

G-7 - THE WORKING DRAWINGS ARE DIAGRAMMATIC. BECAUSE OF THE SMALL SCALE OF THE DRAWING, THEY DO NOT SHOW EVERY OFFSET, BEND OR ELBOW NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. ALL PIPING SHALL BE CHECKED AND COORDINATED WITH THE SPECIFICATIONS, ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.

G-8 - COORDINATE ALL PIPING AND PLUMBING EQUIPMENT WITH ALL OTHER TRADES AND/OR CONTRACTORS PRIOR TO INSTALLATION.

G-9 - ANY AND ALL ALTERATIONS TO THE SYSTEM SHOWN SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR AND ARCHITECT/ENGINEER SHALL BE NOTIFIED IN WRITING PRIOR TO CHANGES.

G-10 - GAS LINE FITTINGS SHALL BE STANDARD WELD FITTINGS WITH TAPERED REDUCERS. DO NOT USE VALVES, UNIONS, OR AUTO CONTROLS IN GAS LINES ROUTED IN INACCESSIBLE CONCEALED SPACES.

G-11 - ALL WATER SYSTEMS SHALL MEET THE REQUIREMENTS OF ANSI/NSF STANDARD 61 SECTION 9 (1998), CONCERNING METAL CONTAMINANTS IN THE WATER SYSTEM.

G-12 - WATER PIPING SHALL NOT BE ROUTED IN OUTSIDE WALLS OR ON EXTERIOR SIDE OF BUILDING INSULATION ENVELOPE.

G-13 - WATER HAMMER ARRESTORS SHALL BE INSTALLED IN ALL WATER LINES WITH QUICK OPEN OR QUICK CLOSE VALVES.

WATER HAMMER ARRESTOR SCHEDULE:

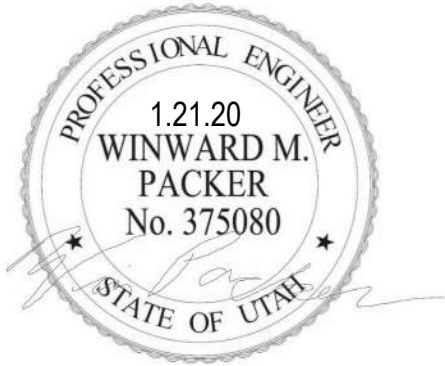
TYPE A 1-11 FIXTURE UNITS
TYPE B 12-32 FIXTURE UNITS
TYPE C 33-60 FIXTURE UNITS
TYPE D 61-113 FIXTURE UNITS

G-14 - ALL PIPING, MATERIALS, ETC. SHALL BE NEW AND DOMESTIC MADE UNLESS SPECIFICALLY AUTHORIZED IN WRITING PRIOR TO BID.



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ANETH, UTAH



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PROJECT NO: 19337310



233 SOUTH PLEASANT GROVE
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DATE: 29 NOV, 2019
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PROJECT:

**ANETH UTAH
BUS BUILDING**

ANETH, UTAH

SHEET DESCRIPTION:

**PLUMBING GENERAL NOTES
AND LEGEND**

SHEET:

PG001

1

2

3

4

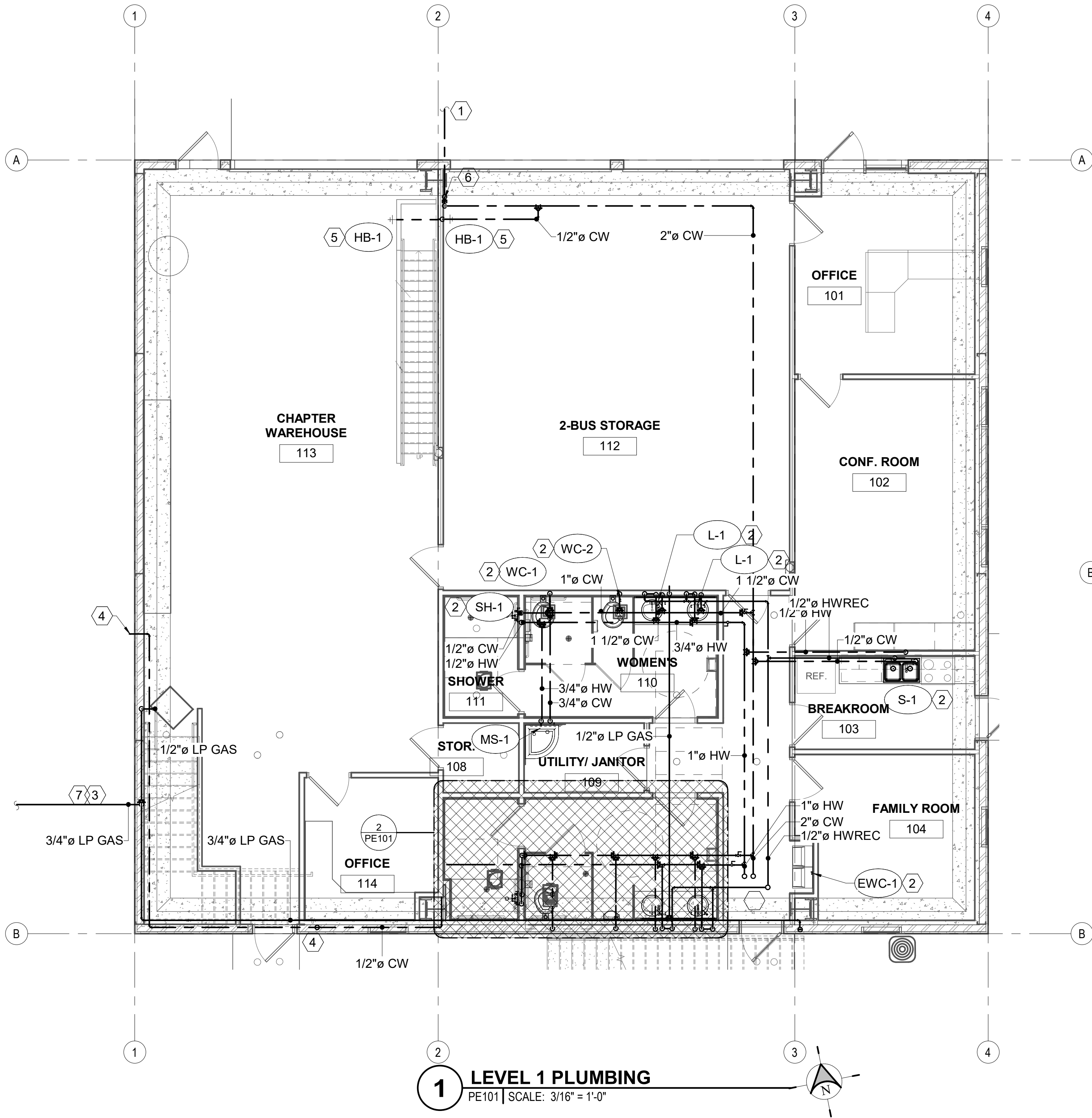
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△	MARK	REVISION	DATE

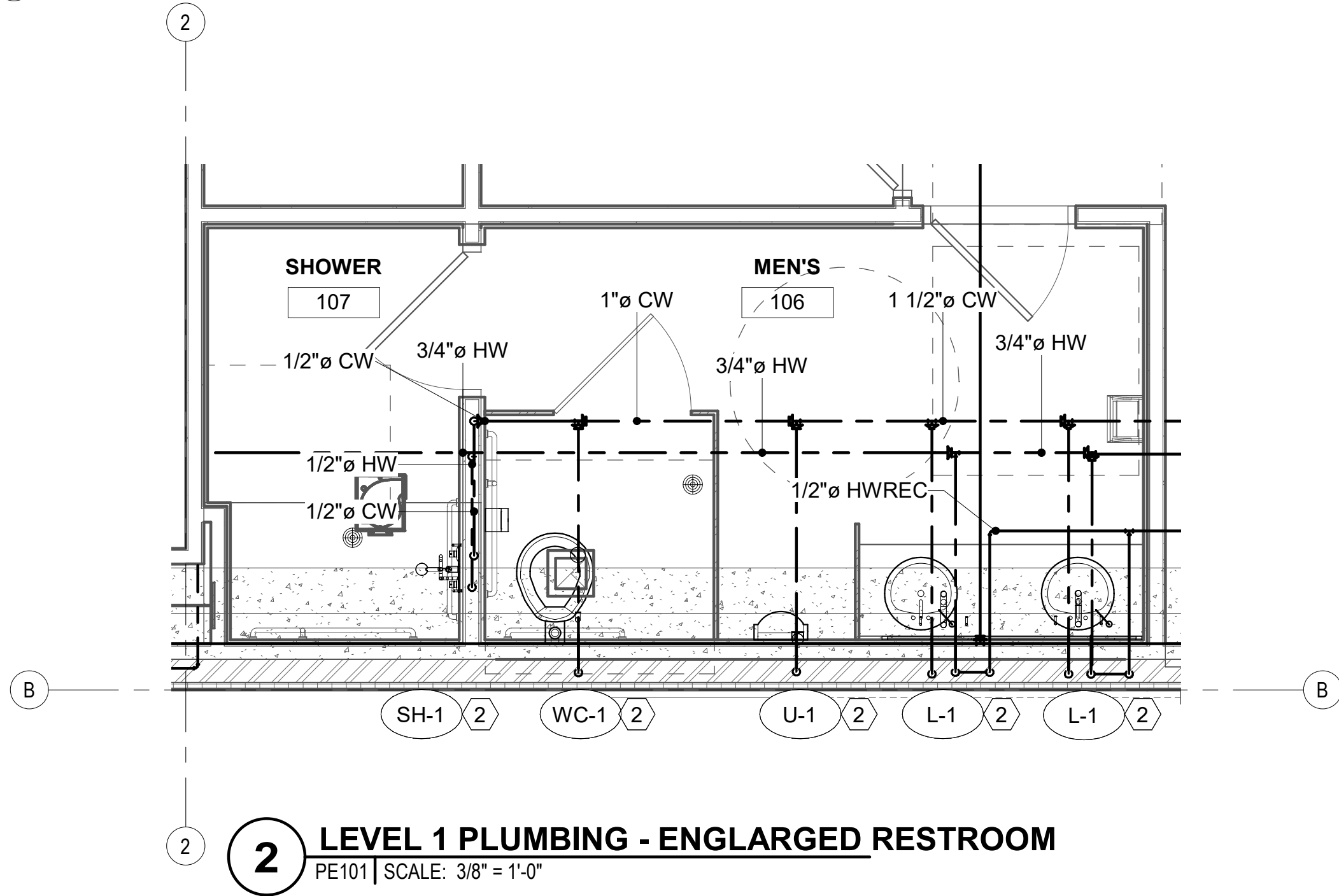
SHEET NOTES

#

- 1 TIE INTO EXISTING WATER LINE IN THIS APPROXIMATE LOCATION. COORDINATE WITH CIVIL SITE PLAN FOR CONTINUATION. FIELD VERIFY.
- 2 PROVIDE ASSOCIATED DCW/DHW CONNECTION TO PLUMBING FIXTURE. SEE SCHEDULES FOR PLUMBING FIXTURE CONNECTION SIZE.
- 3 TIE INTO GAS LINE IN THIS APPROXIMATE LOCATION. COORDINATE WITH CIVIL FOR CONTINUATION. FIELD VERIFY.
- 4 PROVIDE DCW SERVICE TO EVAPORATIVE COOLER IN THIS APPROXIMATE LOCATION. FIELD VERIFY. SEE MECHANICAL DETAILS SHEET FOR CONNECTION DETAIL.
- 5 PROVIDE HOSE BIB IN THIS APPROXIMATE LOCATION. FIELD VERIFY.
- 6 PROVIDE PRV STATION IN THIS APPROXIMATE LOCATION. FIELD VERIFY. SEE PLUMBING DETAIL.
- 7 PROVIDE 40Z GAS REGULATOR IN THIS APPROXIMATE LOCATION. COORDINATE WITH GAS COMPANY FOR INSTALLATION. SEE CIVIL PLAN FOR 1000 GAL. PROPANE TANK.



1 LEVEL 1 PLUMBING
PE101 | SCALE: 3/16" = 1'-0"

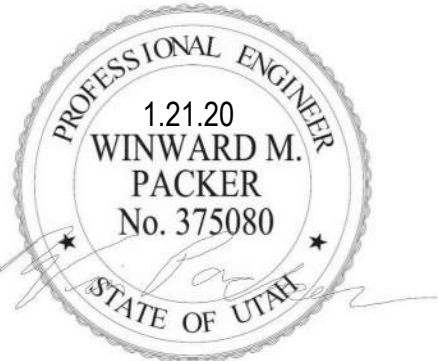


2 LEVEL 1 PLUMBING - ENLARGED RESTROOM
PE101 | SCALE: 3/8" = 1'-0"



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PROJECT NO: 19337310



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PROJECT:

ANETH UTAH
BUS BUILDING

ANETH, UTAH

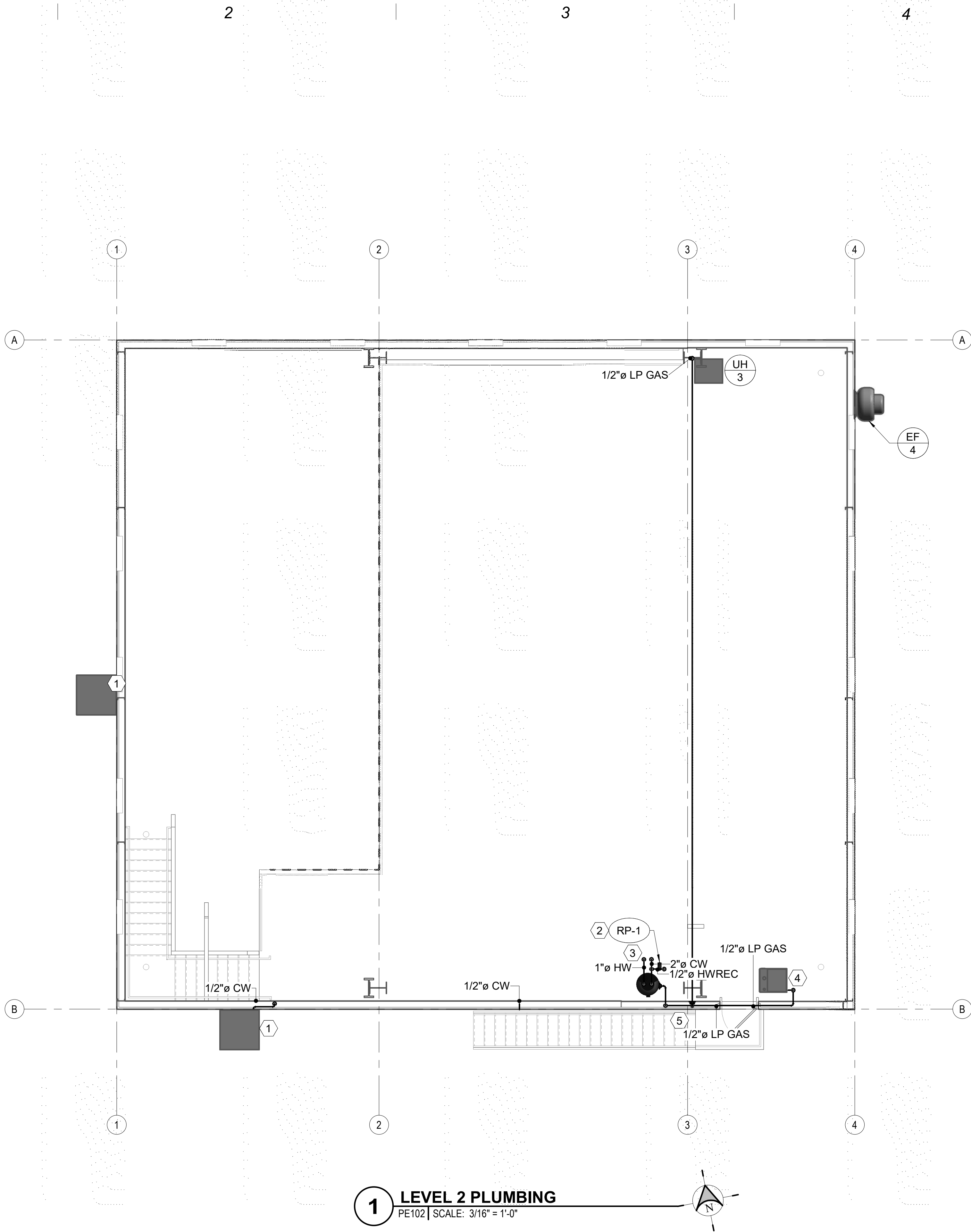
SHEET DESCRIPTION:

LEVEL 1 PLUMBING

SHEET:

PE101

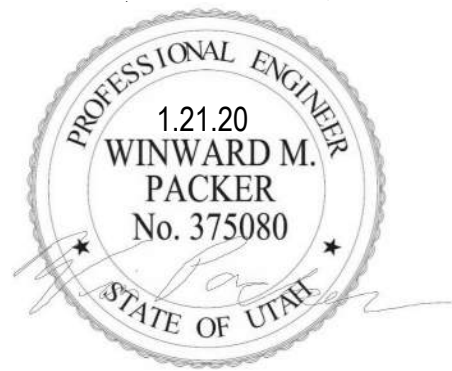
C:\Users\johm\Documents\19065 Aneth Bus Station v19 M&P_johm\EZTN.rvt
3/13/2020 2:36:02 PM



SHEET NOTES

- 1 PROVIDE DCW SERVICE TO EVAPORATIVE COOLER IN THIS APPROXIMATE LOCATION. FIELD VERIFY. SEE MECHANICAL DETAILS SHEET FOR CONNECTION DETAIL.
- 2 PROVIDE DHW RECIRC PUMP IN THIS APPROXIMATE LOCATION. SEE PLUMBING DETAILS AND SCHEDULE.
- 3 PROVIDE PIPING DROP THROUGH FLOOR IN THIS APPROXIMATE LOCATION. SEE PIPE THROUGH FLOOR DETAIL.
- 4 TIE L.P. GAS PIPING INTO FURNACE. FIELD VERIFY LOCATION. SEE GAS PIPING CONNECTION DETAIL.
- 5 TIE L.P GAS INTO WATER HEATER IN THIS APPROXIMATE LOCATION. FIELD VERIFY. SEE GAS PIPING CONNECTION DETAIL.

△	MARK	REVISION	DATE



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PROJECT NO: 19337310		
233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com		
DATE: 29 NOV, 2019 PROJECT #: CMA 18-060 PROJ. MAN.: DBN CHECKED BY: DBN		
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PROJECT: ANETH UTAH BUS BUILDING ANETH, UTAH		
SHEET DESCRIPTION: LEVEL 2 PLUMBING		SHEET: PE102

1

2

3

4

5

△	MARK	REVISION	DATE

SHEET NOTES

#

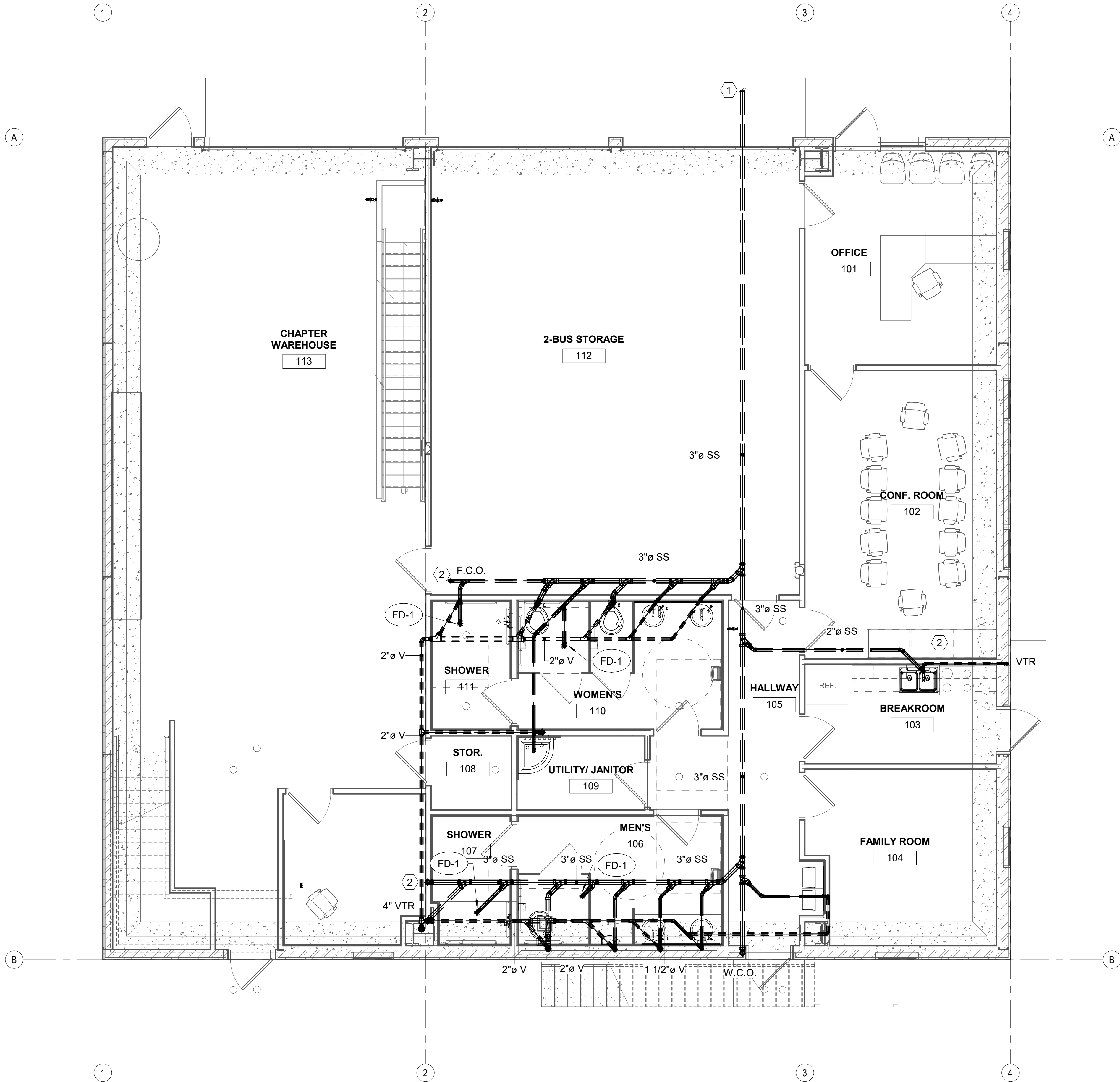
- 1 TIE INTO EXISITNG SANITARY SEWER LINE IN THIS APPROXIMATE LOCATION. COORDINATE WITH CIVIL FOR CONTIUNATION. EXTEND 5 FEET OUTSIDE OF BUILDING. FIELD VERIFY.
- 2 PROVIDE WALL CLEANOUT IN THIS APPROXIMATE LOCATIO. SEE DETAIL B3 ON PE501.
- 3 VENT THROUGH ROOF IN THIS APPROXIMATE LOCATION. SEE DETAIL D1 ON PE501.

A

B

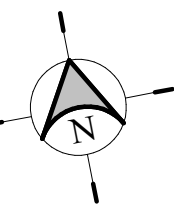
C

D



1 LEVEL 1 WASTE AND VENT

PE103 | SCALE: 1/4" = 1'-0"



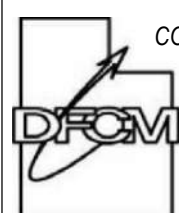
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PROJECT:

**ANETH UTAH
BUS BUILDING**

ANETH, UTAH

SHEET DESCRIPTION:

LEVEL 1 WASTE AND VENT

SHEET:

PE103

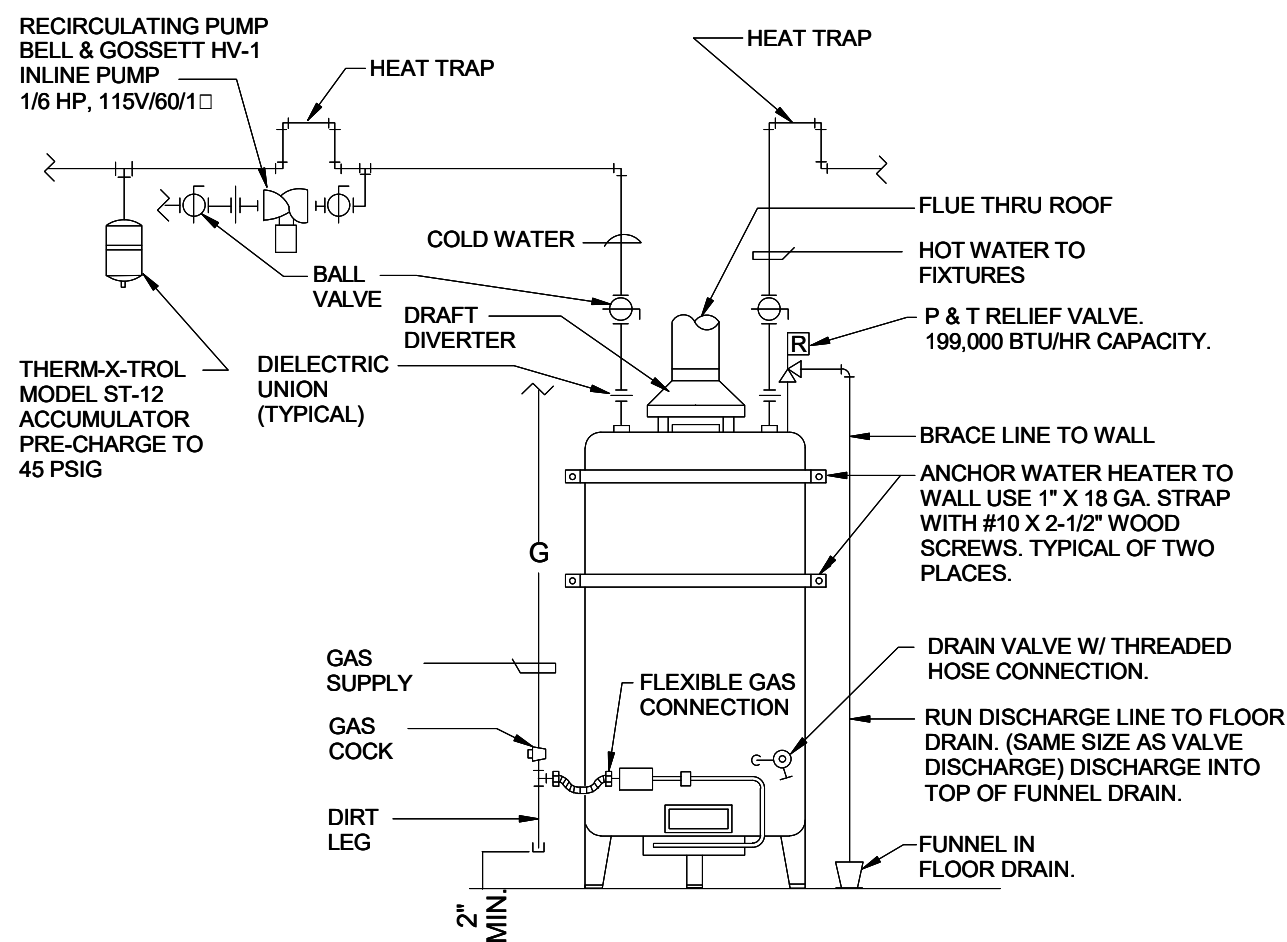
△	MARK	REVISION	DATE

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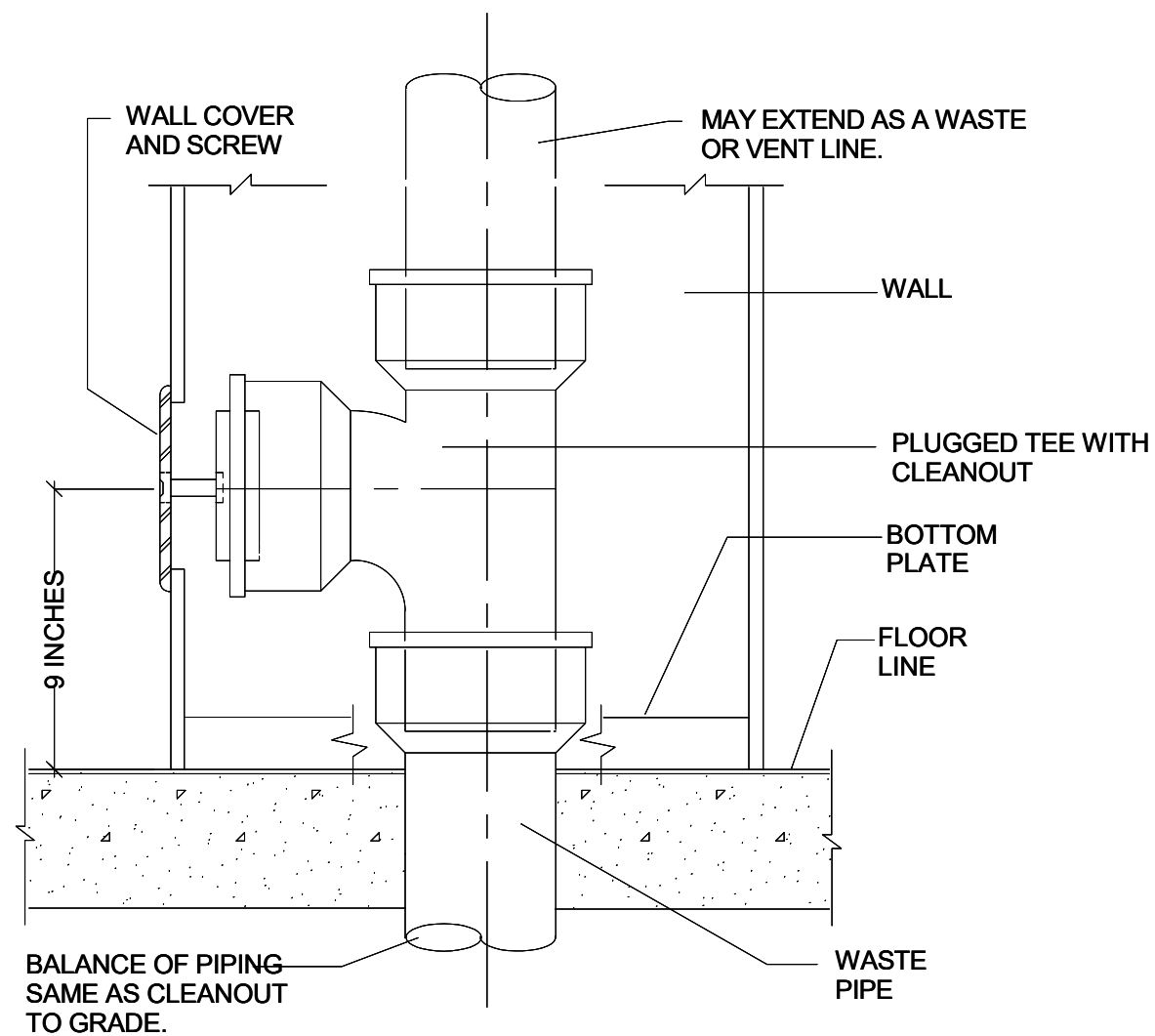
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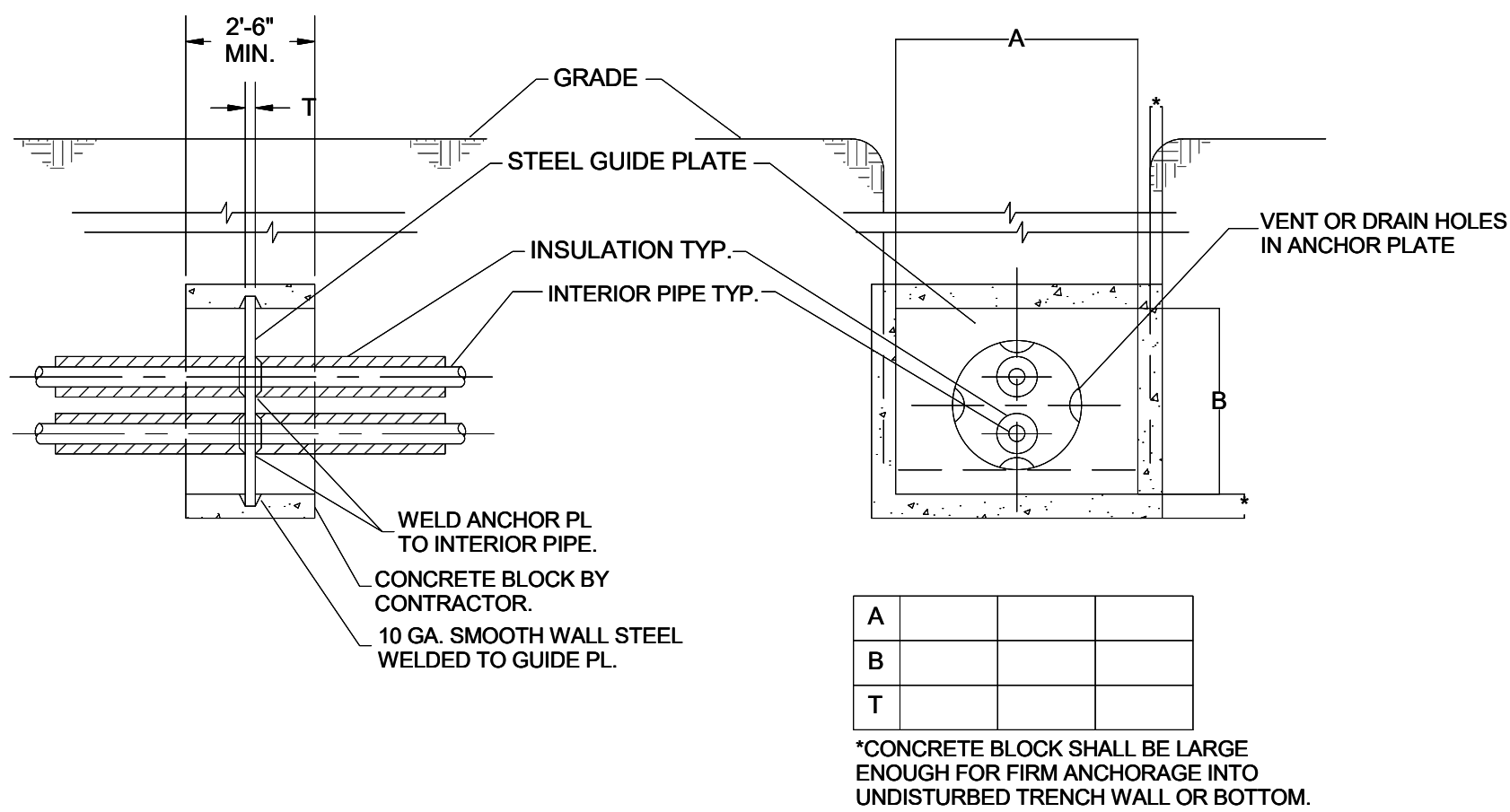
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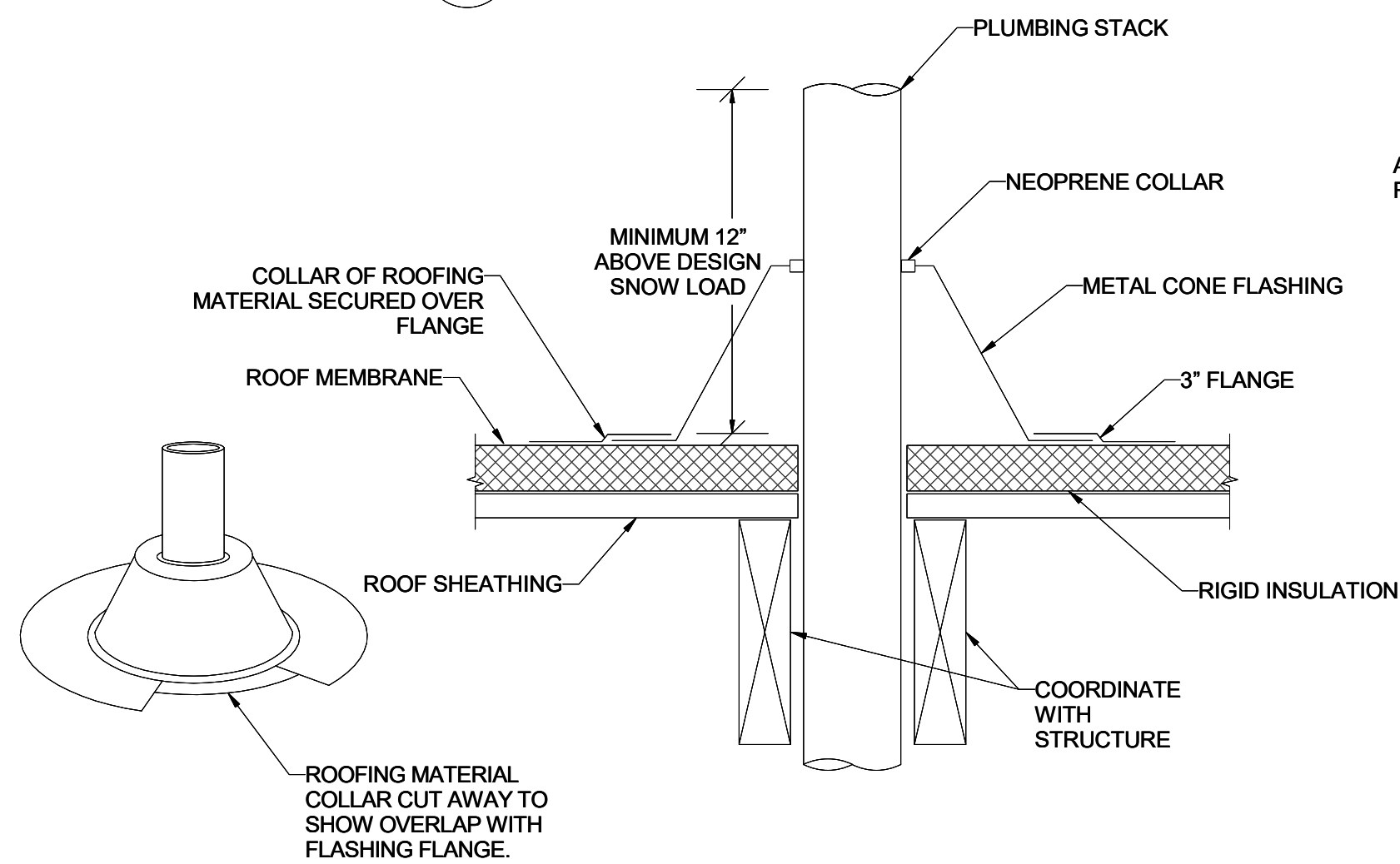
B1 WATER HEATER DETAIL
SCALE: NONE



B3 WALL CLEAN-OUT DETAIL
SCALE: NONE

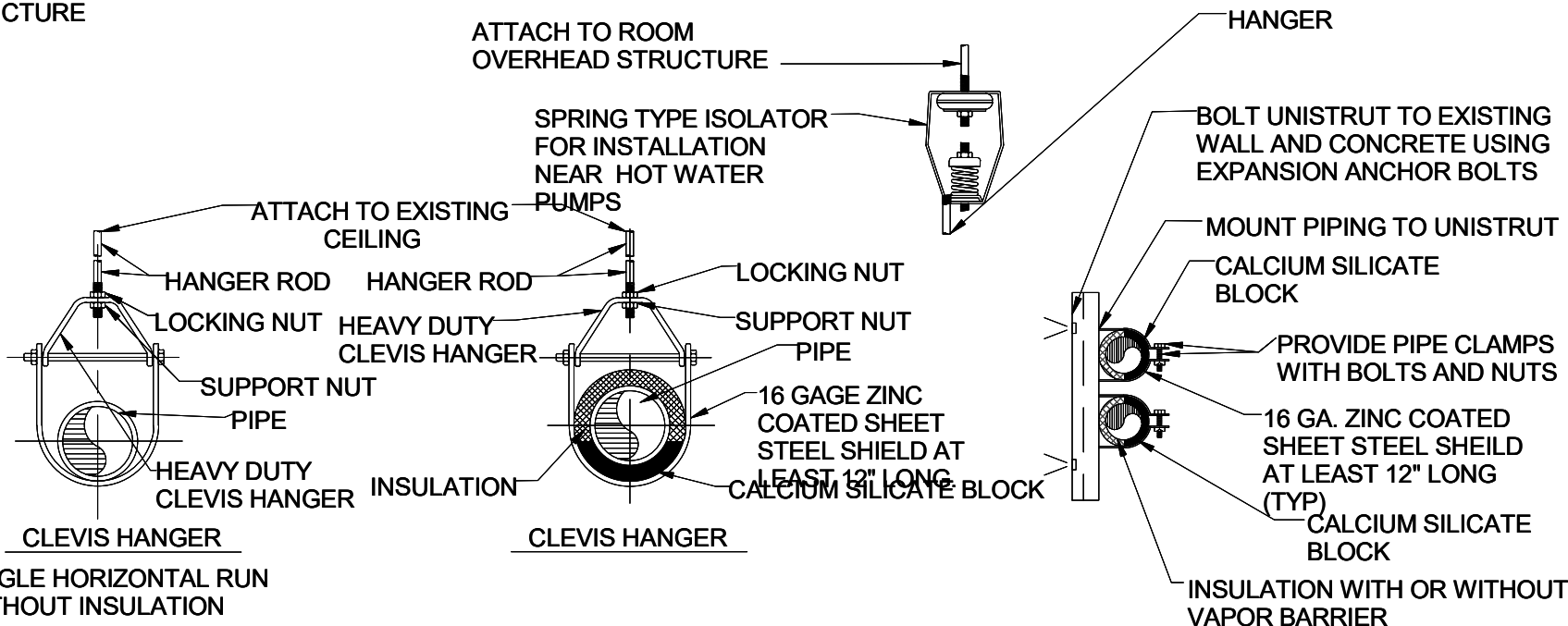


B5 PIPE ANCHOR DETAIL
SCALE: NONE

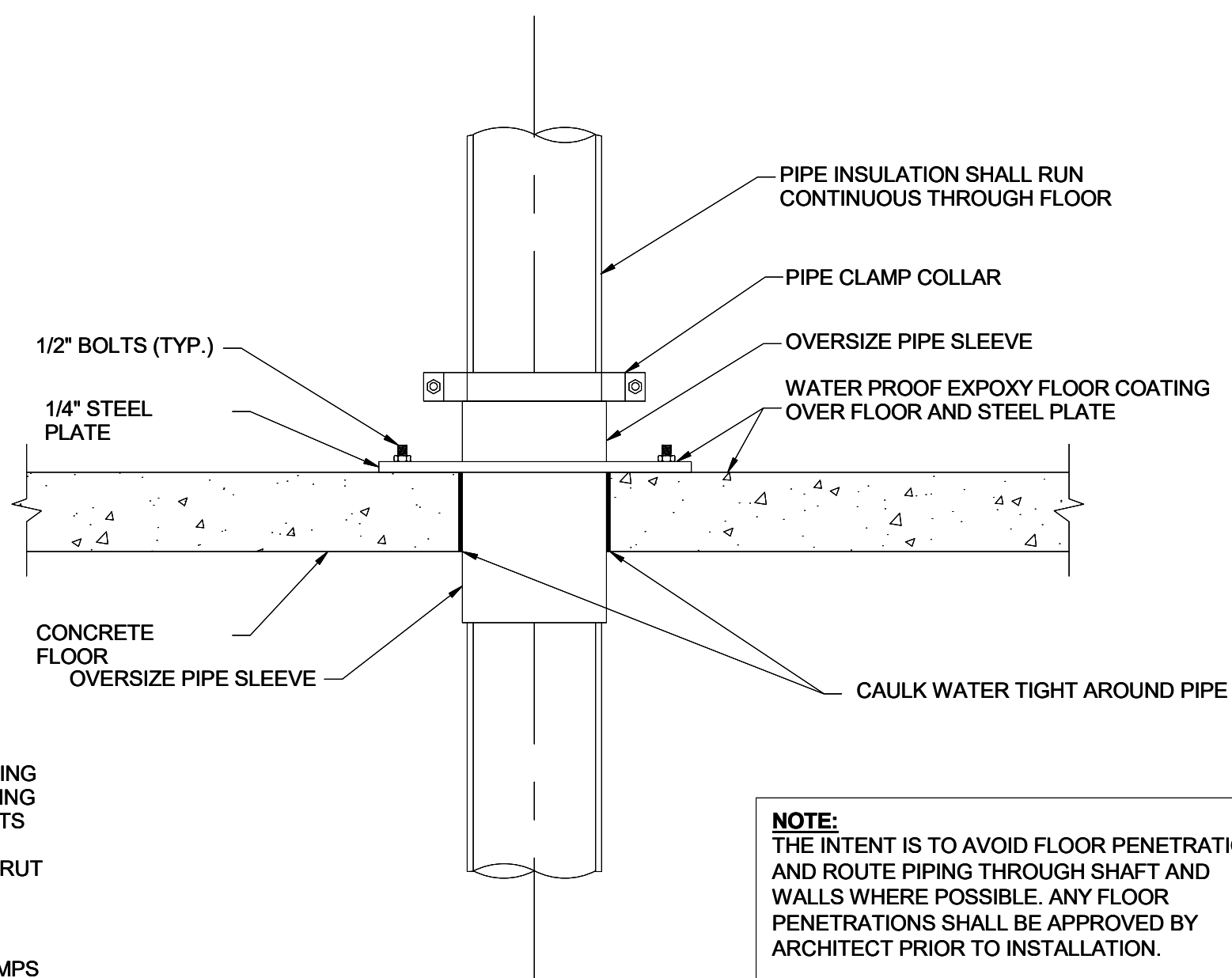


D1 VENT THRU ROOF DETAIL
SCALE: NONE

NOTE:
PROVIDE WITH VAPOR BARRIER
ON CHILLED WATER AND
DOMESTIC COLD WATER PIPING



D3 PIPE HANGER DETAIL

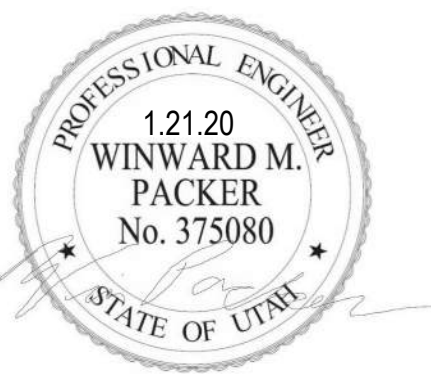


D4 PIPE PENETRATION THROUGH
MECHANICAL ROOM FLOOR DETAIL
SCALE: NONE

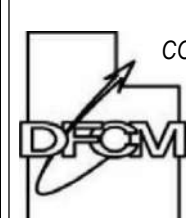


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PROJECT:

**ANETH UTAH
BUS BUILDING**

ANETH, UTAH

SHEET DESCRIPTION:

PLUMBING DETAILS

SHEET:

PE501

1

2

3

4

5

△	MARK	REVISION	DATE


A

B


C

D


PLUMBING FIXTURE SCHEDULE							
FIXTURE NUMBER	FIXTURE	PLUMBING PIPE SIZES					REMARKS
		TRAP	WASTE	VENT	COLD WATER	HOT WATER	
EWC-1	ELECTRIC WATER COOLER	1 1/2"	1 1/2"	1 1/2"	1/2"	0"	ELECTRIC BI-LEVEL FOUNTAIN. ELKAY EZSTL8C OR EQUAL.
FD-1	FLOOR DRAIN	2"	2"	12 1/2"	0"	0"	PROVIDE WITH TRAP GUARD. WATTS FD-100-A OR EQUAL.
HB-1	HOSE BIB	0"	0"	0"	1/2"	0"	PROVIDE KEYED HOSE BIB WOODFORD 24 OR EQUAL. PROVIDE WITH ANTI SYPHON DEVICE.
L-1	LAVATORY	1 1/2"	1 1/2"	1 1/2"	1/2"	1/2"	COUNTER MOUNTED DROP IN SINK. PROVIDE WITH THERMOSTATIC AND PRESSURE MIXING VALVE. KOHLER K-2196 WITH SYMMONS SS202IPSFR OR EQUAL.
MS-1	MOP SINK	3"	3"	2"	3/4"	3/4"	CORNER MOUNTED SINK. PROVIDE WITH DRAIN FITTING, SERVICE SINK FAUCET WITH VACUUM BREAKER, HOSE, 3 STATION MOP HOLDER, HOSE HANGER, AND STAINLESS STEEL SPLASH GUARD. KOHLER K6710 OR EQUAL.
RP-1	RECIRC PUMP	0"	0"	0"	3/4"	3/4"	BELL AND GOSSET PL-36 OR EQUAL.
S-1	2 COMP SINK	1 1/2"	1 1/2"	1 1/2"	1/2"	1/2"	COUNTER MOUNTED 22X34 2 COMPARTMENT STAINLESS STEEL SINK. ADA COMPLIANT. REAR DRAIN LOCATION, SHALLOW BASIN NO GREATER THAN 6" DEEP. PROVIDE WITH THERMOSTATIC AND PRESSURE MIXING VALVE. JUST 18 GAUGE OR EQUAL. PROVIDE WEITH UNDER SINK GARBAGE DISP[OSAL.
SH-1	ADA SHOWER	2"	2"	1 1/2"	1/2"	1/2"	ADA COMPLIANT. PROVIDE WITH THERMOSTATIC AND PRESSURE MIXING VALVE. PROVIDE SYMMONS S-96-600-B30 OR EQUAL WITH ANTI SCALD DEVICE AND ADJUSTABLE BAR WITH HAND SPRAY. PROVIDE FLOOR DRAIN AT BASE WITH STAINLESS STEEL GRATE. COORDINATE WITH ARCHITECTURAL REQUIREMENTS.
U-1	URINAL	3"	3"	2"	3/4"	0"	WALL MOUNTED FLUSH VALVE. 1.0 GPF. ELJER MODEL 161 WITH ZURN Z6003-WSI OR EQUAL.
WC-1	WATER CLOSET	0"	3"	2"	1"	0"	ADA COMPLIANT. WALL MOUNTED FLUSH VALVE WATER CLOSET. 1.6 GPF. AMERICAN STANDARD NEOLO OR EQUAL WITH BATTERY SENSOR FLUSH VALVE.
WC-2	WATER CLOSET	0"	3"	2"	1"	0"	WALL MOUNTED FLUSH VALVE WATER CLOSET. 1.6 GPF. AMERICAN STANDARD NEOLO OR EQUAL WITH BATTERY SENSOR FLUSH VALVE.



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PROJECT:

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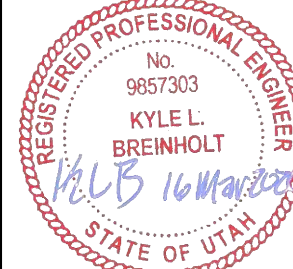
SHEET DESCRIPTION:
PLUMBING SCHEDULE

SHEET:
PE601

ELECTRICAL SYMBOLS

- | SYMBOL | EXPLANATION | SYMBOL | EXPLANATION | SYMBOL | EXPLANATION |
|--------|---|--------|--|--------|---|
| | BRANCH CIRCUIT CONCEALED IN CEILING OR WALL | F1 | FIXTURE TYPE SYMBOL | | TAMPER AND FLOW |
| | BRANCH CIRCUIT CONCEALED IN GROUND OR FLOOR | | FLUORESCENT FIXTURE (TYPICAL) | | FIRE ALARM CONTROL PANEL |
| A-1.3 | BRANCH CIRCUIT HOMERUNS TO PANEL | | EMERGENCY LIGHTING UNIT | | REMOTE FIRE ALARM ANNUNCIATOR PANEL |
| 135 | ROOM NUMBER | | SURFACE OR PENDANT MOUNTED FIXTURE | | FIRE ALARM NAC PANEL |
| | MECHANICAL EQUIPMENT SYMBOL | | RECESSED FIXTURE | | FIRE ALARM VOICE PANEL |
| | KEYED NOTE REFERENCE | | WALL MOUNTED FIXTURE | | DOOR HOLDER |
| 42X | FEEDER TAG (SEE FEEDER SCHEDULE) | | WALL PACK | | FIRE/SMOKE DAMPER |
| | LIGHTING AND POWER PANELBOARD | | FLUORESCENT STRIP | | FIRE ALARM PULL STATION |
| | DISCONNECT SWITCH | | TRACK LIGHTING | | FIRE ALARM STROBE |
| | DISCONNECT SWITCH WITH MOTOR STARTER | | EMERGENCY LIGHTING UNIT | | FIRE ALARM HORN/STROBE |
| | MOTOR STARTER | | WALL MOUNTED EXIT LIGHT (SINGLE FACE) | | FIRE ALARM HORN/STROBE (LF = LOW FREQUENCY) |
| | VARIABLE FREQUENCY DRIVE | | WALL MOUNTED EXIT LIGHT (DOUBLE FACE) | | FIRE ALARM HORN/STROBE WITH PROTECTIVE COVER |
| | CONDUIT STUB | | CEILING MOUNTED EXIT LIGHT | | FIRE ALARM SPEAKER/STROBE |
| | JUNCTION BOX | | CEILING MOUNTED EXIT LIGHT (DOUBLE FACE) | | FIRE ALARM SPEAKER/STROBE (LF = LOW FREQUENCY) |
| | ELECTRIC VEHICLE CHARGING STATION | | EXIT LIGHT WITH PROTECTIVE COVER | | FIRE ALARM SPEAKER |
| | DUPLEX RECEPTACLE OUTLET | \$ | SINGLE POLE SWITCH (SUBSCRIPT AS INDICATED BELOW) | | FIRE ALARM SPEAKER (LF = LOW FREQUENCY) |
| | WEATHERPROOF COVER & LISTED WEATHER RESISTANT DEVICE | 2 | TWO POLE SWITCH | | FIRE ALARM HORN |
| | PROTECTED BY FAULT CIRCUIT INTERRUPTER | 3 | 3-WAY SWITCH | | FIRE ALARM HORN (LF = LOW FREQUENCY) |
| +44 | MOUNTING HEIGHT ABOVE FLOOR OR GRADE GIVEN IN INCHES. | 4 | 4-WAY SWITCH | | FIRE ALARM STROBE CEILING MOUNTED |
| REF | REFRIGERATOR | D | DIMMER SWITCH | | FIRE ALARM HORN/STROBE CEILING MOUNTED |
| DW | DISHWASHER | K | KEYED SWITCH | | FIRE ALARM HORN/STROBE CEILING MOUNTED (LF = LOW FREQUENCY) |
| DISP | DISPOSAL | T | TIMER SWITCH | | FIRE ALARM HORN CEILING MOUNTED |
| WASH | WASHING MACHINE | M | MANUAL STARTER WITH THERMAL OVERLOAD | | FIRE ALARM HORN CEILING MOUNTED (LF = LOW FREQUENCY) |
| EWC | ELECTRIC WATER COOLER | F | PADDLE FAN SPEED CONTROL, (CANARM "CN" SERIES) | | |
| USB | COOPER TR7746 OR EQUAL DUPLEX PLUS USB CHARGER | OC | OCCUPANCY SENSOR SWITCH | | |
| TR | TAMPER RESISTANT | LV | LOW VOLTAGE CONTROL SWITCH | | |
| | | LVD | LOW VOLTAGE CONTROL SWITCH WITH DIMMER | | |
| | | OCOD | OCCUPANCY SENSOR CONTROL SWITCH WITH DIMMER | | |
| | | OC2 | DUAL RELAY OCCUPANCY SENSOR CONTROL SWITCH | | |
| | QUAD RECEPTACLE OUTLET | | DOUBLE GANG SWITCH | | SMOKE DETECTOR (SUBSCRIPT AS INDICATED BELOW) |
| | SPLIT WIRED DUPLEX RECEPTACLE OUTLET | | LOW VOLTAGE MULTI BUTTON CONTROL SWITCH (LETTER INDICATES CONTROL OF CORRESPONDING FIXTURES) | B | SMOKE ALARM BATTERY-BACKED |
| | 220V RECEPTACLE OUTLET | | CONTROLLING SWITCH (LETTER INDICATES CONTROL OF CORRESPONDING FIXTURES) | C | SMOKE/CARBON MONOXIDE ALARM COMBO BATTERY-BACKED |
| | ISOLATED GROUND RECEPTACLE | | OCCUPANCY SENSOR (CEILING MOUNTED) | D | DUCT SMOKE DETECTOR |
| | RECEPTACLE FLOOR DEVICE | | DUAL TECHNOLOGY OCCUPANCY SENSOR (CEILING MOUNTED) | R | SMOKE DETECTOR WITH ADDRESSABLE RELAY |
| | CEILING MOUNTED DEVICE | | | S | SMOKE DETECTOR WITH SOUNDER BASE |
| | SPECIAL RECEPTACLE | | ROOM CONTROLLER | | |
| | MOTOR OUTLET | | DAYLIGHT SENSOR | | GAS DETECTOR |
| | EXHAUST FAN | | PHOTOCELL | | CARBON MONOXIDE DETECTOR |
| | THERMOSTAT OUTLET | | VOLUME CONTROL | | CARBON MONOXIDE/NITROGEN DIOXIDE SENSOR (GAR) |
| | REMOTE SENSOR OUTLET | | WALL SPEAKER | | ADA TWO-WAY COMMUNICATIONS SYSTEM |
| | TELEPHONE OUTLET | | CEILING SPEAKER | | DOOR ACCESS CONTROL KEY PAD |
| | COMPUTER DATA OUTLET (#) INDICATES JACK QUANTITIES | | SURVEILLANCE CAMERA | | DOOR ACCESS CONTROL CARD READER |
| | NETWORK AND VOICE OUTLET | | SURVEILLANCE DIGITAL VIDEO RECORDER | | DOOR ACCESS CONTROL DOOR STRIKE |
| | WIRELESS ACCESS POINT CEILING MOUNTED | | NURSE CALL ANNUNCIATOR PANEL | | DOOR ACCESS CONTROL MAG LOCK |
| | TELEVISION OUTLET | | NURSE CALL EMERGENCY CALL DEVICE | | DOOR ACCESS CONTROL DOOR SENSOR |
| | | | NURSE CALL EMERGENCY CALL LIGHT | | DOOR ACCESS CONTROL REQUEST TO EXIT |
| | | | | | PUSHBUTTON |
| | | | | | BELL |

SHEET INDEX	
SHEET NUMBER	SHEET TITLE
E001	ELECTRICAL SYMBOLS, NOTES, AND INDEX
E002	ENERGY COMPLIANCE CERTIFICATE
E003	ELECTRICAL SPECIFICATION
E101	MAIN LEVEL POWER PLAN
E102	UPPER LEVEL POWER PLAN
E151	MAIN LEVEL LIGHTING PLAN
E152	UPPER LEVEL LIGHTING PLAN
E501	ONE-LINE AND RISER DIAGRAMS
E502	WIRING DIAGRAMS
E503	INTERIOR ELECTRICAL INSTALLATION DETAILS
E504	EXTERIOR ELECTRICAL INSTALLATION DETAILS
E601	ELECTRICAL SCHEDULES


<p>ANETH CHAPTER, NAVAJO NATION</p> <p>ANETH, UTAH</p>			
<p>DIVISION OF FACILITIES CONSTRUCTION & MANAGEMENT #110 STATE OFFICE BUILDING SALT LAKE CITY, UTAH 84114 PHONE: (801) 538-3018 FAX: (801) 538-3267</p>		<p>DATE: 05/05/2020</p>	
<p>PROJECT NO: 19337310</p>		<p>DATE: 2020-01-21 PROJECT #: CMA 18-060 PROJ. MAN.: KLB CHECKED BY: KLB</p>	
 <p>233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com</p>		<p>THE INFORMATION HEREIN IS THE PROPERTY OF CURTIS MINER ARCHITECTURE AND MAY NOT BE REPRODUCED WITHOUT WRITTEN CONSENT © 2019 CURTIS MINER ARCHITECTURE, LLC</p>	
<p>PROJECT:</p> <p>ANETH UTAH BUS BUILDING</p> <p>ANETH, UTAH</p>			
<p>SHEET DESCRIPTION:</p> <p>ELECTRICAL SYMBOLS, NOTES, AND INDEX</p>		<p>SHEET:</p> <p>E001</p>	

A

B

C

D



COMcheck Software Version COMcheck-Web

Inspection Checklist

Energy Code: 2015 IECC

Requirements: 100.0% were addressed directly in the COMcheck software
Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR4] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C103.2 [PR8] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.


Additional Comments/Assumptions:

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.1 [EL15] ¹	Lighting controls installed to uniformly reduce the lighting load by at least 50%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.1 [EL18] ¹	Occupancy sensors installed in required spaces.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.1, C405.2.2, 3 [EL23] ¹	Independent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.2, 1 [EL22] ¹	Automatic controls to shut off all building lighting installed in all buildings.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.3 [EL16] ¹	Daylight zones provided with individual controls that control the lights independent of general area lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.3, C405.2.3, 1, C405.2.3, 2 [EL20] ¹	Primary sidelighted areas are equipped with required lighting controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.3, C405.2.3, 1, C405.2.3, 3 [EL21] ¹	Enclosed spaces with daylight area under skylights and rooftop monitors are equipped with required lighting controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.4 [EL4] ¹	Separate lighting control devices for specific uses installed per approved lighting plans.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.4 [EL8] ¹	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.5 [EL25] ¹ ^{not}	Automatic lighting controls for exterior lighting installed. Controls will be daylight controlled, set based on business operation time-of-day, or reduce connected lighting > 30%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.3 [EL6] ¹	Exit signs do not exceed 5 watts per face.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5, 2 [F117] ¹	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.4.1 [F118] ¹	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Interior Lighting fixture schedule for values.
C405.5.1 [F119] ¹	Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Exterior Lighting fixture schedule for values.
C408.2.5, 1 [F116] ¹	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C408.3 [F133] ¹	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Additional Comments/Assumptions:



COMcheck Software Version COMcheck-Web

Exterior Lighting Compliance Certificate

Project Information

Energy Code:	2015 IECC
Project Title:	ANETH BUS STATION
Project Type:	New Construction
Exterior Lighting Zone	2 (Light industrial area with limited nighttime use)

Construction Site: HIGHWAY 162 ANETH, Utah	Owner/Agent: Utah	Designer/Contractor: Kyle Breinholt Cloward H2O 2696 N University Ave, Suite 290 Provo, Utah 84604 801.367.5180 kbreinholt@clowardh2o.com
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Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts /	D Tradable Wattage	E Allowed Watts (B X C)
Entry canopy	48 ft2	0.25	Yes	12
Other door (not main entry)	12 ft of	20	Yes	240
Total Tradable Watts (a) =				312
Total Allowed Supplemental Watts (b) =				600

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A supplemental allowance equal to 600 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power


A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
Entry canopy (48 ft2): Tradable Wattage				
LED: F9E: LED PAR 7W:	1	1	25	25
Other door (not main entry) (12 ft of door width): Tradable Wattage				
LED: F4/F8/E: LED PAR 20W:	1	7	58	406
Main entry (3 ft of door width): Tradable Wattage				
Total Tradable Proposed Watts =				431

Exterior Lighting PASSES: Design 53% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck Version COMcheck-Web and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

KYLE BREINHOLT - ELECTRICAL ENGINEER	Signature 	03 JUNE 2019
Name - Title		Date



COMcheck Software Version COMcheck-Web

Interior Lighting Compliance Certificate

Project Information

Energy Code:	2015 IECC
Project Title:	ANETH BUS STATION
Project Type:	New Construction

Construction Site: HIGHWAY 162 ANETH, Utah	Owner/Agent: Utah	Designer/Contractor: Kyle Breinholt Cloward H2O 2696 N University Ave, Suite 290 Provo, Utah 84604 801.367.5180 kbreinholt@clowardh2o.com
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Additional Efficiency Package(s)

Reduced interior lighting power. Requirements are implicitly enforced within interior lighting allowance calculations.

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts
1-Transportation	6535	0.63	4117
Total Allowed Watts =			4117


Proposed Interior Lighting Power




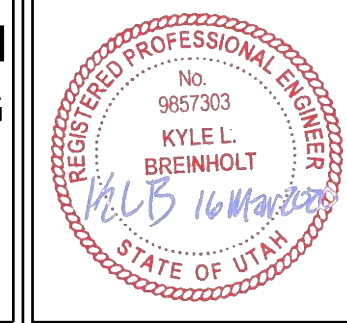
A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
1-Transportation				
LED: F1: LED PAR 20W:	1	13	24	312
LED: F2: LED Panel 44W:	1	9	48	428
LED: F3: LED Linear 33W:	1	25	48	1200
LED: F4: LED Panel 44W:	1	14	48	665
LED: F5: LED Panel 110W:	1	9	109	981
LED: F6: LED PAR 13W:	1	2	14	28
LED: F7E: LED Linear 33W:	1	2	37	74
Total Proposed Watts =				3688

Interior Lighting PASSES: Design 10% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck Version COMcheck-Web and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

KYLE BREINHOLT - ELECTRICAL ENGINEER	Signature 	03 JUNE 2019
Name - Title		Date

<div>ANETH CHAPTER, NAVAJO NATION</div> <div>ANETH, UTAH</div>	<div></div>
<div><div>DIVISION OF FACILITIES CONSTRUCTION & MANAGEMENT 4110 STATE OFFICE BUILDING SALT LAKE CITY, UTAH 84114 PHONE: (801) 538-3018 FAX: (801) 538-3267</div></div> <div>PROJECT NO: 19337310</div>	
<div><div>233 SOUTH PLEASANT GROVE BLVD, SUITE #105 PLEASANT GROVE, UTAH 84062 PHONE: (801) 769-3000 cma@cmautah.com</div></div> <div>DATE: 2020-01-21 PROJECT #: CMA 18-060 PROJ. MAN.: KLB CHECKED BY: KLB</div>	<div><small>THE INFORMATION HEREIN IS THE PROPERTY OF CURTIS MINER ARCHITECTURE AND MAY NOT BE REPRODUCED WITHOUT WRITTEN CONSENT. © 2019 CURTIS MINER ARCHITECTURE, LLC</small></div>
<div>PROJECT:</div> <div>ANETH UTAH BUS BUILDING</div> <div>ANETH, UTAH</div>	<div></div>
<div>SHEET DESCRIPTION:</div> <div>ENERGY COMPLIANCE CERTIFICATE</div>	<div>SHEET:</div> <div>E002</div>



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Provo, Utah 84604
Office: 801.373.0311

1

ELECTRICAL SPECIFICATIONS

GENERAL PROVISION

A. REFERENCE

1. THE GENERAL CONDITIONS AND OTHER CONTRACT DRAWINGS AS SET FORTH IN THE FOREGOING PAGES ARE HEREBY INCORPORATED INTO AND BECOME A PART OF THE SPECIFICATIONS FOR WORK UNDER THIS TITLE. IN THE EVENT THERE ARE ANY CONFLICTS HEREIN, THE SPECIFICATIONS SHALL PREVAIL.
2. ALL SPECIFICATIONS UNDER THIS DIVISION TITLE ARE DIRECTED TO AND ARE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR, UNLESS OTHER TRADES OR PERSONS ARE SPECIFICALLY MENTIONED. "ELECTRICAL CONTRACTOR" IS INFERRED AND INTENDED.

B. CONTRACT DRAWINGS

1. THE DRAWINGS ACCOMPANYING THESE SPECIFICATIONS ARE COMPLEMENTARY EACH TO THE OTHER AND WHAT IS CALLED FOR BY ONE SHALL BE AS IF CALLED FOR BY BOTH.
2. CONSULT ALL CONTRACT DRAWINGS WHICH MAY AFFECT THE LOCATION OF EQUIPMENT, CONDUIT AND WIRING AND MAKE MINOR ADJUSTMENTS IN LOCATION TO SECURE COORDINATION.
3. WIRING LAYOUT IS SCHEMATIC AND EXACT LOCATIONS SHALL BE DETERMINED BY FIELD CONDITIONS.
4. OTHER THAN MINOR ADJUSTMENTS SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE FOR APPROVAL BEFORE PROCEEDING WITH THE WORK.

C. JOB-SITE COPY OF DOCUMENTS

1. MAINTAIN AT THE SITE, ONE COPY OF ALL DRAWINGS, SPECIFICATIONS, ADDENDA APPROVED SHOP DRAWINGS, CHANGE ORDERS AND OTHER MODIFICATIONS, IN GOOD ORDER AND MARKED TO RECORD ALL CHANGES MADE DURING CONSTRUCTION. THESE SHALL BE AVAILABLE TO THE OWNER'S REPRESENTATIVE. THE DRAWINGS MARKED TO RECORD ALL CHANGES MADE DURING CONSTRUCTION SHALL BE DELIVERED TO THE OWNER'S REPRESENTATIVE FOR THE OWNER UPON COMPLETION OF THE WORK. AN ADDITIONAL SET OF DRAWINGS WILL BE FURNISHED BY THE OWNER'S REPRESENTATIVE FOR THIS PURPOSE UPON REQUEST.

D. MANUFACTURER'S DRAWINGS

1. THE CONTRACTOR SHALL SUBMIT TO THE ARCHITECT FOR REVIEW, (6) COPIES OF MANUFACTURER'S DRAWINGS AND WIRING DIAGRAMS. THE ENGINEER WILL REVIEW CONTRACTOR'S SHOP DRAWINGS AND RELATED SUBMITTALS (AS INDICATED BELOW) WITH RESPECT TO THE ABILITY OF THE DETAILED WORK, WHEN COMPLETE, TO BE A PROPERLY FUNCTIONING INTEGRAL ELEMENT OF THE OVERALL SYSTEM DESIGNED BY THE ENGINEER. BEFORE SUBMITTING A SHOP DRAWING OR ANY RELATED MATERIAL TO THE ENGINEER, CONTRACTOR SHALL: REVIEW EACH SUCH SUBMISSION FOR CONFORMANCE WITH THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND OPERATIONS OF CONSTRUCTION, AND SAFETY PRECAUTIONS AND PROGRAMS INCIDENTAL THERETO, ALL OF WHICH ARE THE SOLE RESPONSIBILITY OF CONTRACTOR; APPROVE EACH SUCH SUBMISSION BEFORE SUBMITTING IT; AND SO STAMP EACH SUCH SUBMISSION BEFORE SUBMITTING IT. THE ENGINEER SHALL ASSUME THAT NO SHOP DRAWINGS OR RELATED SUBMITTALS COMPRISES A VARIATION UNLESS ENGINEER OTHERWISE ADVISES CONTRACTOR OTHERWISE VIA A WRITTEN INSTRUMENT WHICH IS ACKNOWLEDGED BY ENGINEER IN WRITING. THE ITEMS, TYPES OF SUBMITTALS AND RELATED MATERIAL (IF ANY) CALLED FOR ARE INDICATED BELOW:

ITEMS	TYPE SUBMITTALS REQUESTED
LIGHTING AND POWER PANELS	SHOP DRAWINGS
LIGHTING FIXTURES	CATALOG CUTS

E. GUARANTEES

1. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEFECTS, REPAIRS AND REPLACEMENTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR AFTER DATE OF SUBSTANTIAL COMPLETION AS DETERMINED BY THE OWNER'S REPRESENTATIVE. PRODUCT GUARANTEES GREATER THAN ONE (1) YEAR SHALL BE PASSED ALONG TO THE OWNER FOR FULL BENEFIT OF THE MANUFACTURER'S WARRANTY.

WORK INCLUDED

A. INSTALLATION, MATERIALS, AND WORKMANSHIP

1. FURNISH AND INSTALL ALL NECESSARY ANCHORS, SUPPORTS, STRAPS, BOXES, FITTINGS AND OTHER SIMILAR APPURTENANCES NOT INDICATED ON THE DRAWINGS BUT WHICH ARE REQUIRED FOR A COMPLETE AND PROPERLY INSTALLED SYSTEM CONSISTENT WITH THE ARCHITECTURAL TREATMENT OF THE BUILDING.
2. THE ELECTRICAL CONTRACTOR, IN SO FAR AS THE WORK IS CONCERNED, SHALL AT ALL TIMES KEEP THE PREMISES IN A NEAT AND ORDERLY CONDITION. AND AT THE COMPLETION OF THE WORK, SHALL PROPERLY CLEAN UP AND CART AWAY DEBRIS AND EXCESS MATERIALS. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF DUMPSTER & REFUSED DISPOSAL AS REQUIRED FOR ELECTRICAL WORK.
3. ALL MATERIALS SHALL BE NEW AND UNDETTERIORATED AND OF A QUALITY NOT LESS THAN THE MINIMUM SPECIFIED.

B. COORDINATION OF PLANS AND SPECIFICATIONS

1. CONTACT THE OWNER'S REPRESENTATIVE IMMEDIATELY IF THERE IS ANY QUESTIONS REGARDING THE MEANING OR INTENT OF EITHER PLANS OR SPECIFICATIONS, OR UPON NOTICING ANY DISCREPANCIES OR OMISSIONS IN EITHER PLANS OR SPECIFICATIONS.

C. CUTTING AND PATCHING

1. ALL ELECTRICAL EQUIPMENT SHALL BE KEPT DRY AND CLEAN DURING THE CONSTRUCTION PERIOD. INTERIOR OF ALL ENCLOSURES SHALL BE CLEANED OF DIRT AND DEBRIS BEFORE INSTALLING TRIM OR COVERS.
2. ALL FINISHED SURFACES OF EQUIPMENT FURNISHED UNDER THIS CONTRACT SHALL BE THOROUGHLY CLEANED OF DIRT AND ALL SCRATCHED OR DAMAGED SURFACES SHALL BE TOUCHED UP WITH MATCHING MATERIALS BEFORE FINAL ACCEPTANCE OF THE WORK.
3. WHEN ALL WORK IS COMPLETED AND ALL WORK HAS BEEN SATISFACTORILY TESTED AND ACCEPTED BY THE OWNER'S REPRESENTATIVE, ALL CONDUIT AND OTHER EXPOSED SURFACES SHALL BE THOROUGHLY CLEANED.

CODES AND FEES

A. CODES:

1. ALL WORK PERFORMED UNDER THIS SPECIFICATION SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AS PREPARED AND PUBLISHED BY THE NATIONAL FIRE PROTECTION ASSOCIATION AND ANY APPLICABLE STATE OR LOCAL CODES.

B. FEES:

1. OBTAIN AND PAY FOR ANY AND ALL PERMITS REQUIRED BY ALL LAWS AND REGULATIONS AND PUBLIC AUTHORITY HAVING SUCH JURISDICTION.

TESTS AND INSPECTIONS

1. OBTAIN ALL INSPECTIONS REQUIRED BY ALL LAWS, ORDINANCES, RULES, REGULATIONS OR PUBLIC AUTHORITY HAVING JURISDICTION AND OBTAIN CERTIFICATES OF SUCH INSPECTIONS AND SUBMIT SAME TO THE OWNER'S REPRESENTATIVE. PAY ALL FEES, CHARGES AND OTHER EXPENSES IN CONNECTION THEREIN. OBTAIN OCCUPANCY PERMIT AS REQUIRED BY OWNER. FINAL PAYMENT SHALL NOT BE MADE UNTIL OCCUPANCY PERMIT IS OBTAINED.

2. WORK SHALL BE UNACCEPTABLE WHEN FOUND TO BE DEFECTIVE OR CONTRARY TO THE PLANS SPECIFICATIONS, CODES SPECIFIED OR ACCEPTED STANDARDS OF GOOD WORKMANSHIP.

3. THE CONTRACTOR SHALL PROMPTLY CORRECT ALL WORK FOUND UNACCEPTABLE BY THE OWNER'S REPRESENTATIVE WHETHER OBSERVED BEFORE OR AFTER SUBSTANTIAL COMPLETION AND WHETHER OR NOT FABRICATED, INSTALLED OR COMPLETED. THE CONTRACTOR SHALL BEAR ALL COSTS OF CORRECTING SUCH UNACCEPTABLE WORK, INCLUDING COMPENSATION FOR THE OWNER'S REPRESENTATIVE ADDITIONAL SERVICES MADE NECESSARY THEREBY.

CONDUIT

1. FURNISH AND INSTALL ALL CONDUITS, BOXES, FITTINGS, ETC., FOR A COMPLETE RACEWAY SYSTEM.

2. ALL WIRING SHALL BE RUN IN EMT CONDUIT OR MC CABLE WITH GROUND CONDUCTOR UNLESS OTHERWISE NOTED.

3. ALL CONDUIT SIZES STATED HEREIN OR MARKED ON THE DRAWINGS ARE MINIMUM SIZE AND SHALL BE NO LESS THAN 1/2" UNLESS OTHERWISE NOTED.

4. ALL CONDUIT SHALL BE SUBSTANTIALLY SUPPORTED BY PIPE STRAPS OR SUITABLE CLAMPS OR HANGERS ATTACHED TO THE ELEMENTS OF THE BUILDING STRUCTURE TO PROVIDE RIGID INSTALLATION; IN NO CASE SHALL CONDUIT BE ATTACHED OR SUPPORTED FROM ADJOINING PIPE OR INSTALLED IN SUCH A MANNER AS TO PREVENT THE READY REMOVAL OF OTHER PIPE FOR REPAIRS.

WIRE AND CABLE

1. ALL CONDUCTORS SHALL BE COPPER AND OF THE AWG SIZE AND TYPE SHOWN ON THE DRAWINGS. WHERE NO SIZE OR TYPE IS SHOWN, CONDUCTORS SHALL NOT BE LESS THAN #12 TYPE XHHW, THHN, OR THWN. CONDUCTORS #8 AWG AND LARGER SHALL BE STRANDED COPPER AND HAVE 600 VOLT INSULATION; BE UL LABELED AND OF AMERICAN MANUFACTURER.

2. ALL BRANCH CIRCUITS IN OFFICE AND COMMON AREAS SHALL BE TYPE NM OR MC CABLE.

3. ALL CONNECTIONS ARE TO BE MADE USING REPTYPE TYPE TERMINALS.

4. THE FOLLOWING COLOR CODE SHALL BE USED:

	120/240 VOLT	120/208 VOLT	277/480 VOLT
PHASE A	BLACK	BLACK	BROWN
PHASE B	RED	RED	ORANGE
PHASE C		YELLOW	YELLOW
NEUTRAL	WHITE	WHITE	WHITE
GROUND	GREEN	GREEN	GREEN

5. CONDUCTORS NO. 10 AWG OR SMALLER SHALL HAVE INSULATION COLORED AS NOTED ABOVE.

6. CONDUCTORS NO. 8 AWG OR LARGER SHALL HAVE INSULATION COLORED AS NOTED ABOVE OR COLORED TAPE, MINIMUM SIZE 1/2", WRAPPED TWICE AROUND AT THE FOLLOWING POINTS:

1. AT EACH TERMINAL
2. AT EACH CONDUIT ENTRANCE
3. AT INTERVALS NOT MORE THAN 12 INCHES APART IN ALL BOXES, PANEL TUBS, SWITCHBOARDS, ETC.

4. ALL BRANCH CIRCUITS SHALL BE MARKED IN THE PANEL BOARD GUTTERS. MARKERS SHALL INDICATE CORRESPONDING BRANCH-CIRCUIT NUMBERS.

5. EACH BRANCH CIRCUIT REQUIRING A NEUTRAL SHALL BE FURNISHED WITH A SEPARATE INDIVIDUAL NEUTRAL CONDUCTOR.

BOXES AND PLATES

1. FURNISH AND INSTALL ALL OUTLET, JUNCTION, AND PULL BOXES AS INDICATED ON THE DRAWINGS AND AS NECESSARY TO INSTALL THE REQUIRED CONDUIT AND WIRING IN A NEAT AND WORKMANLIKE MANNER.

2. PULL BOXES AND JUNCTION BOXES SHALL BE GALVANIZED AND OF THE CORRECT SIZE AND GAUGE, SIZED IN ACCORDANCE WITH CODE REQUIREMENTS AND SHALL BE UL LABELED.

3. BOXES AT EXTERIOR AREAS TO BE WATER-TIGHT AND DUST-TIGHT WITH GASKETED COVERS.

4. ALL BOXES FOR EXPOSED WORK IN FINISHED SPACES SHALL BE "FS" TYPE WITH THREADED HUBS WITH RIGID CONDUIT RISER (DEEP WIRE MOLD BOXES)

5. ALL BOXES SHALL BE RIGIDLY SUPPORTED INDEPENDENT OF THE CONDUIT SYSTEM. BOXES CAST INTO MASONRY OR CONCRETE ARE CONSIDERED TO BE RIGIDLY SUPPORTED.

F. FLOOR BOXES

1. DESCRIPTION: FLOOR BOXES COMPATIBLE WITH FLOOR BOX SERVICE FITTINGS; WITH PARTITIONS TO SEPARATE MULTIPLE SERVICES; FURNISHED WITH ALL COMPONENTS, ADAPTERS, AND TRIMS REQUIRED FOR COMPLETE INSTALLATION.
2. USE CAST IRON OR NONMETALLIC FLOOR BOXES WITHIN SLAB ON GRADE.
3. USE SHEET-STEEL, CAST IRON, OR NONMETALLIC FLOOR BOXES WITHIN SLAB ABOVE GRADE.
4. METALLIC FLOOR BOXES: FULLY ADJUSTABLE (WITH INTEGRAL MEANS FOR LEVELING ADJUSTMENT PRIOR TO AND AFTER CONCRETE POUR).
5. MANUFACTURER: SAME AS MANUFACTURER OF FLOOR BOX SERVICE FITTINGS.

G. UNDERGROUND BOXES/ENCLOSURES

1. DESCRIPTION: IN-GROUND, OPEN BOTTOM BOXES FURNISHED WITH FLUSH, NON-SKID COVERS WITH LEGEND INDICATING TYPE OF SERVICE AND STAINLESS STEEL TAMPER RESISTANT COVER BOLTS.
2. SIZE: AS INDICATED ON DRAWINGS.
3. DEPTH: AS REQUIRED TO EXTEND BELOW FROST LINE TO PREVENT FROST UPEHAVAL, BUT NOT LESS THAN 12 INCHES.
4. APPLICATIONS:
 - a. SIDEWALKS AND LANDSCAPED AREAS SUBJECT ONLY TO OCCASIONAL NONDELIBERATE VEHICULAR TRAFFIC; USE POLYMER CONCRETE OR COMPOSITE ENCLOSURE WITH MINIMUM SCTE 77, TIER 8 LOAD RATING.
 - b. PARKING LOTS, IN AREAS SUBJECT ONLY TO OCCASIONAL NONDELIBERATE VEHICULAR TRAFFIC; USE POLYMER CONCRETE OR COMPOSITE ENCLOSURE WITH MINIMUM SCTE 77, TIER 15 LOAD RATING.

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- c. DO NOT USE POLYMER CONCRETE ENCLOSURES IN AREAS SUBJECT TO DELIBERATE VEHICULAR TRAFFIC.
- H. COMPOSITE UNDERGROUND BOXES/CONCLOSURES: COMPLY WITH SCTE 77.

WIRING DEVICES

- A. WIRING DEVICES SHALL BE SIMILAR TO THOSE LISTED BELOW AND OF SPECIFIED AMPERAGE. OTHER SPECIAL PURPOSE DEVICES SHALL BE AS SPECIFIED ON THE DRAWINGS.

- B. DUPLEX GROUNDING TYPE RECEPTACLE-20 AMP, 125 VOLT--
 1. HUBBELL--5352

2. ARROW HART--5352

- C. SINGLE POLE SWITCHES - 20 AMP, 120 VOLT

- D. WEATHERPROOF RECEPTACLES - 20 AMP, 125 VOLT--NEMA 5-20R

1. HUBBELL--5352 WITH 5205 COVER INTERMATIC GUARDIAN

2. 1SERIES, NEMA 3R COVER

3. ARROW HART--5352 WITH 4500 COVER

- E. G.F.C.I. RECEPTACLE-20 AMP, 125 VOLT--NEMA 5-20 R

1. HUBBELL--GF 5262 WITH MATCHING NYLON COVER PLATE OR WO-26 W.P. COVER

- F. GROUND ALL RECEPTACLES IN ACCORDANCE WITH ARTICLE 250-146 OF NEC AND AS INDICATED IN THE GROUNDING SECTION OF THIS SPECIFICATION.

IDENTIFICATION

- A. EACH PIECE OF SERVICE EQUIPMENT AND INDIVIDUAL SWITCHES, ALL DISCONNECTS, STARTERS, ALL EXHAUST FAN MANUAL STARTING SWITCHES.

- B. IDENTIFICATION SHALL BE IN THE FORM OF LAMINATED PLASTIC NAMEPLATES, BLACK RACE, WITH THE LETTERS ENGRAVED INTO THE WHITE BACKGROUND, MINIMUM 1/2" HIGH. PLATES SHALL BE DRILLED ON EACH END FOR SHEET METAL SCREW ATTACHMENT. NO "DYMO" OR SIMILAR TYPE LABELS WILL BE ALLOWED.

- C. PANEL BOARD DIRECTORY: A TYPED CIRCUIT DIRECTORY SHALL BE PROVIDED INDICATING LOCAL AREA SERVED AND LOCATION FOR EACH BRANCH CIRCUIT.

GROUNDING

- A. ALL FEEDERS AND BRANCH CIRCUITS OVER 100 VOLTS SHALL INCLUDE A GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH NEC TABLE 250-122, EXCEPT NOT BE SMALLER THAN #12 FOR POWER AND #14 FOR CONTROL CIRCUITS. ALL GROUND CONDUCTORS SHALL BE GREEN, OR AS SPECIFIED UNDER "WIRE AND CABLE."

- B. ALL GROUND CLAMPS SHALL BE PENN-UNION "GPL" TYPE OR SIMILAR BY O.Z. OR BURNDY.

- C. CONDUIT FOR SOLITARY GROUND CONDUCTORS SHALL BE RIGID SCHEDULE 40 PVC NON-METALLIC ELECTRICAL CONDUIT WITH U.L. LABEL. SOLITARY GROUND CONDUCTORS SHALL NOT BE PLACED THROUGH METALLIC SLEEVES OR CONDUITS AND SHALL NOT BE COMPLETELY ENCIROLED BY METALLIC HANGERS OR SUPPORTS.

- D. THE GROUND CONDUCTOR SHALL BE CONNECTED TO THE NEUTRAL IN ONLY TWO LOCATIONS--ON THE SUPPLY SIDE OF THE SERVICE DISCONNECT MEANS PER NEC-250-24 AND ON SEPARATELY DERIVED SYSTEMS PER NEC 250-30.

- E. AT EACH RECEPTACLE BOX, THE GROUND CONDUCTOR SHALL ENTER AND CONNECT WITH NORMAL WIRING CONNECTOR, TO: 1) THE GROUND PIGTAIL TO RECEPTACLE; 2) THE GROUND PIGTAIL TO THE BOX GROUND SCREW; AND 3) THE OUTGOING GROUND CONDUCTOR TO NEXT DEVICE, IF NOT AT END OF RUN. METAL TO METAL CONTACT BETWEEN THE DEVICE YOKE AND THE OUTLET BOX IS NOT ACCEPTABLE AS A BOND FOR EITHER SURFACE MOUNTED BOXES OR FLUSH TYPE BOXES.

- F. CONDUIT SYSTEM SHALL BE ELECTRICALLY CONTINUOUS. ALL LOCK NUTS SHALL CUT THROUGH ENAMELED OR PAINTED SURFACES ON ENCLOSURES, WHERE ENCLOSURES AND NON-CURRENT CARRYING METALS ARE ISOLATED FROM THE CONDUIT SYSTEM, USE BONDING JUMPERS WITH APPROVED CLAMPS. WHERE REDUCING WASHERS ARE USED AND WHERE CONCENTRIC OR ECCENTRIC KNOCKOUTS ARE NOT COMPLETELY REMOVED BONDING BUSHINGS SHALL BE REQUIRED.

POWER AND LIGHTING PANELS

- A. FURNISH AND INSTALL, AS SCHEDULED AND SHOWN ON THE DRAWINGS, POWER PANELS FOR OPERATION ON VOLTAGES INDICATED.

- B. ALL TERMINATIONS SHALL BE MARKED "75°C ONLY," "60/75°C" OR LISTED FOR USE OF 75°C INSULATED CONDUCTORS AT FULL 75°C AMPACITY.

- C. ALL BUS BARS SHALL BE SILVER OR TIN PLATED COPPER.

- D. CABINETS SHALL BE OF COMMERCIAL GALVANIZED SHEET STEEL, CODE GAUGE AND SIZE, SURFACE OR RECESSED MOUNTED AS CALLED FOR IN THE DRAWINGS.

- E. NEUTRAL ASSEMBLY SHALL HAVE INDIVIDUAL ANTI-TURN SOLDERLESS TERMINALS, SIMILAR TO SQUARE D TYPE PK, FOR CONNECTION OF ULTIMATE NUMBER OF NEUTRAL WIRES. SHEET METAL TERMINAL STRIPS AND CONNECTIONS WILL BE REJECTED.

- F. PANEL SHALL HAVE A COPPER GROUND BAR SIMILAR TO NEUTRAL BAR IN NUMBER, SIZE, AND TYPE OF ANTI-TURN SOLDERLESS LUGS. THIS GROUND BAR SHALL BE FACTORY BONDED TO THE PANEL TUB IN THE GUTTER SPACE OPPOSITE THE MAINS AND THE NEUTRAL ASSEMBLY AND SHALL HAVE THE SCREWDRIVER SLOTS FACING THE FRONT OF THE PANEL.

- G. QUALITY STANDARD: SQUARE D TYPE NOOD

LIGHTING FIXTURES

- A. CONTRACTOR SHALL FURNISH AND INSTALL LIGHTING FIXTURES AND LAMPS AS INDICATED IN FIXTURE SCHEDULE SHOWN ON DRAWINGS, AND SPECIFIED HEREIN.

- B. NEUTRAL ASSEMBLY SHALL HAVE INDIVIDUAL ANTI-TURN SOLDERLESS TERMINALS, SIMILAR TO SQUARE D TYPE PK, FOR CONNECTION OF ULTIMATE NUMBER OF NEUTRAL WIRES. SHEET METAL TERMINAL STRIPS AND CONNECTIONS WILL BE REJECTED.

- C. ALL LAMP HOLDERS INSTALLED BY THE ELECTRICAL CONTRACTOR SHALL BE FURNISHED COMPLETE WITH NEW LAMPS OF THE SIZE INDICATING ON THE FIXTURE SCHEDULE.

- D. LAMP CURRENT CREST FACTOR SHALL NOT EXCEED 1.8 AND SHALL BE COMPATIBLE WITH BALLAST BEING UTILIZED (PROGRAM START ELECTRONIC BALLAST SHALL BE USED).

- E. ANY FIXTURES SCRATCHED, BENT, CRACKED OR IN ANY WAY DAMAGED BEFORE ACCEPTANCE BY OWNER SHALL BE REPLACED AT THIS CONTRACTOR'S EXPENSE.

- F. ALL LAMPS SHALL BE IN WORKING ORDER AT THE TIME OF FINAL ACCEPTANCE OF THE WORK BY THE OWNER.

- G. ALL LIGHTING FIXTURES ARE TO BE GROUNDING ON THE INTERIOR OF THE FIXTURE HOUSING, ON CLEAN BARE METAL (FREE OF PAINT), BY USE OF PIGTAIL AND FASTENED BY A SCREW PURPOSED FOR NO OTHER PURPOSE.

- H. FLUORESCENT FIXTURES SHALL COMPLY WITH 2014 NEC 410.73(G) (BALLAST DISCONNECT MEANS FOR DOUBLE ENDED LAMPS).

- I. PACKAGED BATTERY SYSTEMS

1. LIGHTING PACKS

- a. PROVIDE APPROPRIATE BALLAST FOR SIZE AND TYPE OF LAMP.

- b. F3078 AND F2875 LAMPS

- 1) SHALL OPERATE ONE LAMP AT APPROXIMATELY 1400 LUMENS INITIALLY AND NOT LESS THAN 1000 LUMENS AFTER 90 MINUTES.

- 2) TWO-PIN, QUAD-TUBE AND TWIN-TUBE LAMPS

- 1) SHALL OPERATE ONE LAMP AT APPROXIMATELY 70% OF INTIAL LAMP LUMEN OUTPUT FOR MINIMUM 90 MINUTES.

- 2) FOUR PIN, TRIPLE-TUBE LAMPS

- 1) SHALL OPERATE ONE LAMP ATE APPROXIMATELY 28% OF INTIAL LAMP LUMEN OUTPUT FOR MINIMUM 90 MINUTES.

- e. BATTERY SHALL BE LONG LIFE NICKEL CADMIUM TYPE. CHARGER SHALL BE CAPABLE FULL RECHARGE IN 24 HOURS.

- f. UNIT SHALL BE COMPLETE WITH CHARGING INDICATOR LIGHT AND TEST SWITCH.

- g. APPROVED MANUFACTURERS AND MODELS:

- 1) BODINE - B70A
- 2) CHLORIDE - CFP841
- 3) LITHONIA - PS-500
- 4) JOTA - I-48

2. INSTALLATION

- a. INSTALL FLUORESCENT EMERGENCY LIGHTING PACK IN BALLAST CHANNEL WITH CHARGING INDICATOR LIGHT AND TEST SWITCH MOUNTED ON FIXTURE END, OR VISIBLE AND ACCESSIBLE THROUGH LENS.

- b. COMPACT FLUORESCENT EMERGENCY LIGHTING PACK MAY REQUIRE REMOTE LOCATION. INSTALL WITH CHARGING INDICATOR LIGHT AND TEST SWITCH MOUNTED IN JUNCTION BOX WITH COVERPLATE NEXT TO FIXTURE.

- c. WIRE SO UNIT CAN BE TESTED WITH LIGHT ON.

- d. WIRE SO LAMPS IN MANUAL MODE ARE SWITCHED OFF WITH OTHER LIGHTING IN AREA. CONNECT EMERGENCY LIGHTING UNIT TO UNSWITCHED CONDUCTOR OF NORMAL LIGHTING CIRCUIT.

- J. COMMISSIONING

1. C408.3 LIGHTING SYSTEM FUNCTIONAL TESTING. CONTROLS FOR AUTOMATIC LIGHTING SYSTEMS SHALL COMPLY WITH SECTION C408.3.

2. C408.3.1 FUNCTIONAL TESTING. TESTING SHALL ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS. THE CONSTRUCTION DOCUMENTS SHALL STATE THE PARTY WHO WILL CONDUCT THE REQUIRED FUNCTIONAL TESTING. WHERE REQUIRED BY THE CODE OFFICIAL, AN APPROVED PARTY INDEPENDENT FROM THE DESIGN OR CONSTRUCTION OF THE PROJECT SHALL BE RESPONSIBLE FOR THE FUNCTIONAL TESTING AND SHALL PROVIDE DOCUMENTATION TO THE CODE OFFICIAL CERTIFYING THAT THE INSTALLED LIGHTING CONTROLS MEET THE PROVISIONS OF SECTION C405, WHERE OCCUPANT SENSORS, TIME SWITCHES, PROGRAMMABLE SCHEDULE CONTROLS, PHOTOSENSORS OR DAYLIGHTING CONTROLS ARE INSTALLED, THE FOLLOWING PROCEDURES SHALL BE PERFORMED:

- a. CONFIRM THAT THE PLACEMENT, SENSITIVITY AND TIME-OUT ADJUSTMENTS FOR OCCUPANT SENSORS YIELD ACCEPTABLE PERFORMANCE.

- b. CONFIRM THAT THE TIME SWITCHES AND PROGRAMMABLE SCHEDULE CONTROLS ARE PROGRAMMED TO TURN THE LIGHTS OFF.

- c. CONFIRM THAT THE PLACEMENT AND SENSITIVITY ADJUSTMENTS FOR PHOTOSENSOR CONTROLS REDUCE ELECTRIC LIGHT BASED ON THE AMOUNT OF USABLE DAYLIGHT IN THE SPACE AS SPECIFIED.

TELEPHONE/DATA SYSTEMS

A. SUMMARY

1. INCLUDES BUT NOT LIMITED TO

- a. FURNISH AND INSTALL BUILDING TELEPHONE AND COMPUTER NETWORK RACEWAY AND CABLE SYSTEM AS DESCRIBED IN CONTRACT DOCUMENTS INCLUDING, BUT NOT LIMITED TO, RACEWAY, OUTLETS, MODULAR JACKS, DEVICE PLATES, CABLES, PUNCH DOWN BLOCKS, BACKBOARDS, CABINETS, PATCH PANELS, GROUNDING AND OTHER MISCELLANEOUS ITEMS REQUIRED FOR A COMPLETE SYSTEM.

- b. FURNISH AND INSTALL MAIN SERVICE RACEWAY AS DESCRIBED IN CONTRACT DOCUMENTS AND TO COMPLY WITH TELEPHONE COMPANY REQUIREMENTS.

B. COMPONENTS

1. TELEPHONE OUTLET BOX SHALL BE SINGLE DEVICE BOX.

2. BUILDING TELEPHONE AND COMPUTER NETWORK SYSTEM CABLE

- a. 22 GAUGE, SOLID TINNED COPPER, FOUR TWISTED PAIRS, CATEGORY 6

- b. USE PLENUM-RATED CABLE IN CEILINGS AND AREAS USED FOR PLENUM AIR RETURN

3. TELEPHONE TERMINATION BLOCKS

- a. UL VERIFIED CATEGORY 6

- b. 110 TERMINATION WITH TIN LEAD PLATED IDC

4. TELEPHONE/NETWORK JACKS

- a. WALL JACKS

- 1) CAT6 - HUBBELL HXJ6 OR ALTERNATE MANUFACTURER WITH EQUIVALENT PERFORMANCE STANDARD.

- b. PLATES

- 1) HUBBELL - IFP SERIES (PORT QUANTITY AS REQUIRED, COLOR BY ARCHITECT)

5. BACKBOARDS: INTERIOR GRADE PLYWOOD WITHOUT VOIDS, 3/4 INCH THICK; UL-LABELED FIRE RETARDANT.

- a. SIZE: 48 INCHES WIDE 36 INCHES HIGH.

- b. DO NOT PAINT OVER UL LABEL.

- c. PROVIDE ONE 48" MULTI-OUTLET POWER STRIP WITH INTEGRAL SURGE PROTECTION AND OUTLETS AT 6" O.C. (MINIMUM 7 OUTLETS) MOUNTED AT CENTER OF TERMINAL BOARD.

7. EQUIPMENT RACKS AND CABINETS: CEA-310 STANDARD 19 INCH WIDE COMPONENT RACKS.

- a. FLOOR MOUNTED RACKS: 16 GAGE STEEL CONSTRUCTION WITH CORROSION RESISTANT FINISH; VERTICAL AND HORIZONTAL CABLE

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- MANAGEMENT CHANNELS, TOP AND BOTTOM CABLE TROUGHS, AND GROUNDING LUG.

8. PATCH PANELS FOR COPPER CABLING: SIZED TO FIT EIA STANDARD 19 INCH WIDE EQUIPMENT RACKS; 0.09 INCH THICK ALUMINUM; CABLING TERMINATED ON TYPE 110 INSULATION DISPLACEMENT CONNECTORS; PRINTED CIRCUIT BOARD INTERFACE.

- a. JACKS: NON-KEYED RJ-45, SUITABLE FOR AND COMPLYING WITH SAME STANDARDS CABLE TO BE TERMINATED; MAXIMUM 48 PORTS PER STANDARD WIDTH PANEL.

- b. CAPACITY: PROVIDE PORTS SUFFICIENT FOR CABLES TO BE TERMINATED PLUS 25 PERCENT SPARE PLUS MOUNTING SPACE FOR ALL ACTIVE COMPONENTS/EQUIPMENT REQUIRED TO CROSS-CONNECT TO ANYALL MODULAR JACK PORTS ON THE PATCH PANELS.

- c. LABELS: FACTORY INSTALLED LAMINATED PLASTIC NAMEPLATES ABOVE EACH PORT, NUMBERED CONSECUTIVELY; COMPLY WITH TIA/EIA-606 USING ENCODED IDENTIFIERS.

- d. PROVIDE INCOMING CABLE STRAIN RELIEF AND ROUTING GUIDES ON BACK OF PANEL.

- e. PATCH CORDS: PROVIDE ONE PATCH CORD FOR EACH PAIR OF PATCH PANEL PORTS.

9. CABLE MANAGEMENT

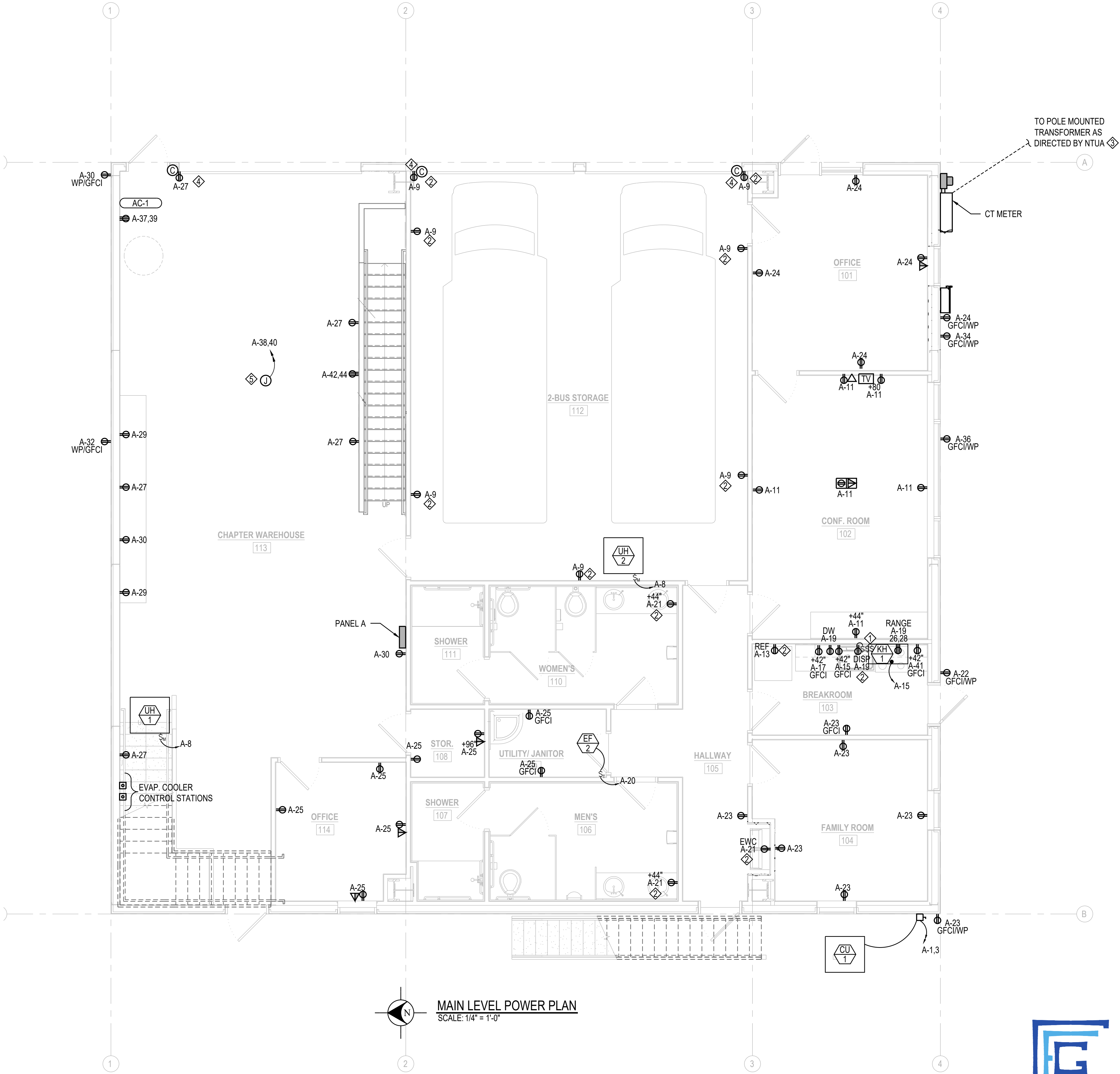
- a. EQUIP EACH RACK OR CABINET WITH VERTICAL CABLE SECTION.

- b. EQUIP EACH RACK OR CABINET WITH HORIZONTAL

△	MARK	REVISION	DATE

ELECTRICAL KEYED NOTES:

- ◇ PROVIDE TOGGLE SWITCH CONTROLS FOR FAN AND LIGHT(S) IF CONTROLS ARE NOT INTEGRATED TO HOOD.
- ◇ GFCI PROTECTION PROVIDED BY BREAKER FOR EASE OF ACCESS FOR MONTHLY TESTING.
- ◇ COORDINATE LOCATION OF ELECTRICAL SERVICE WITH CASSANDRA BIGAY WITH NTUA. 928-729-3208, CASSANDRAB@NTUA.COM
- ◇ RECEPTACLES FOR DOOR OPERATOR MOUNTED HIGH ON THE WALL. COORDINATE LOCATION WITH DOOR INSTALLER. PROVIDE ½" CONDUIT WITH PULL STRING FROM LIFTER LOCATION TO CONTROLLER LOCATION. CABLE AND CONTROLLER BY DOOR INSTALLER.
- ◇ JUNCTION BOX FOR FUTURE HOIST. FIELD VERIFY LOCATION WITH OWNER PRIOR TO ROUGH-IN.



MAIN LEVEL POWER PLAN
SCALE: 1/4" = 1'-0"



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ANETH, UTAH

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PROJECT NO: 19337310

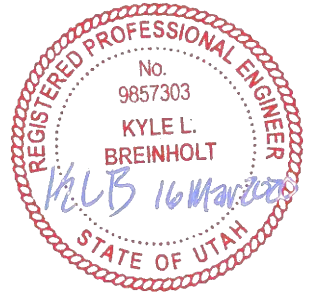


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cma@cmautah.com

DATE: 2020-01-21
PROJECT #: CMA 18-060
PROJ. MAN.: KLB
CHECKED BY: KLB

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PROJECT:
ANETH UTAH BUS BUILDING
ANETH, UTAH

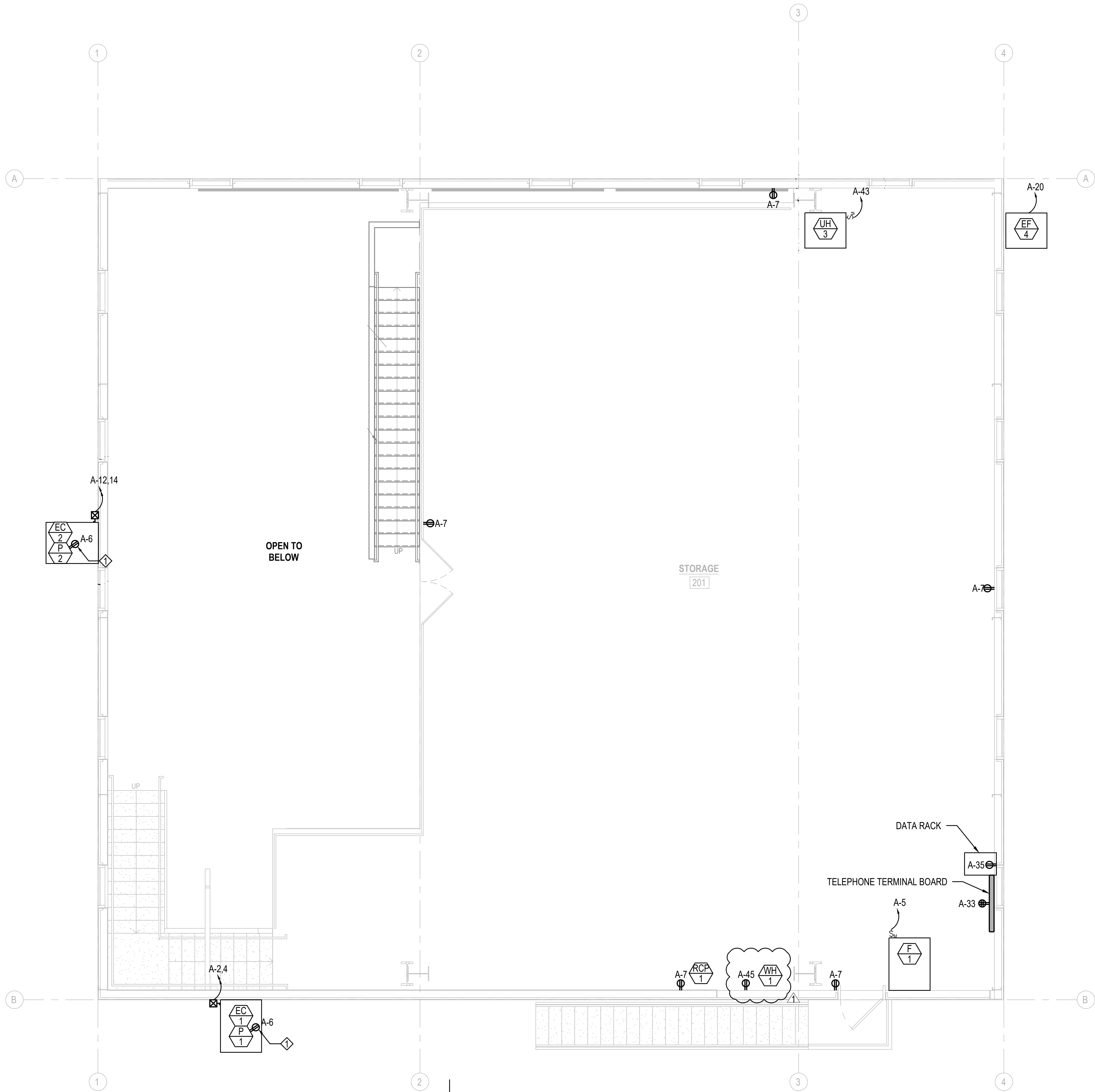


SHEET DESCRIPTION:
MAIN LEVEL POWER PLAN

SHEET:
E101

△	MARK	REVISION	DATE

ELECTRICAL KEYED NOTES:
◇ GFCI PROTECTION PROVIDED BY BREAKER FOR EASE OF ACCESS FOR MONTHLY TESTING.



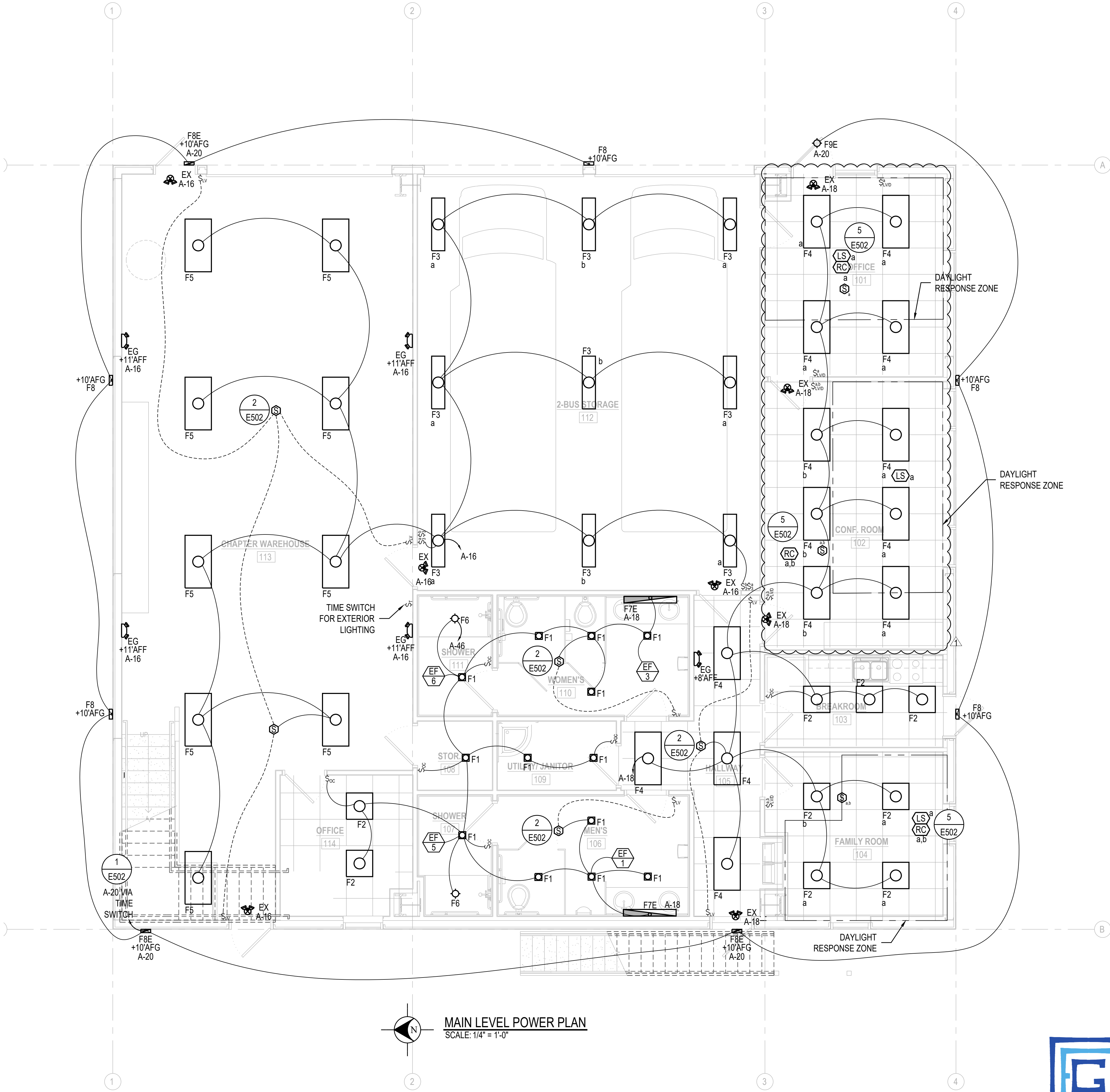
UPPER LEVEL POWER PLAN
SCALE: 1/4" = 1'-0"



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ANETH CHAPTER, NAVAJO NATION ANETH, UTAH										
 PROJECT NO: 19337310										
 PROJECT: ANETH UTAH BUS BUILDING ANETH, UTAH		<table><tr><td>DATE:</td><td>2020-01-21</td></tr><tr><td>PROJECT #:</td><td>CMA 18-060</td></tr><tr><td>PROJ. MAN.:</td><td>KLB</td></tr><tr><td>CHECKED BY:</td><td>KLB</td></tr></table> <p>THE INFORMATION HEREIN IS THE PROPERTY OF CURTIS MINER ARCHITECTURE AND MAY NOT BE REPRODUCED WITHOUT WRITTEN CONSENT. © 2019 CURTIS MINER ARCHITECTURE, LLC</p>	DATE:	2020-01-21	PROJECT #:	CMA 18-060	PROJ. MAN.:	KLB	CHECKED BY:	KLB
DATE:	2020-01-21									
PROJECT #:	CMA 18-060									
PROJ. MAN.:	KLB									
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SHEET DESCRIPTION: UPPER LEVEL POWER PLAN		SHEET: E102								

△	MARK	REVISION	DATE



MAIN LEVEL POWER PLAN
SCALE: 1/4" = 1'-0"

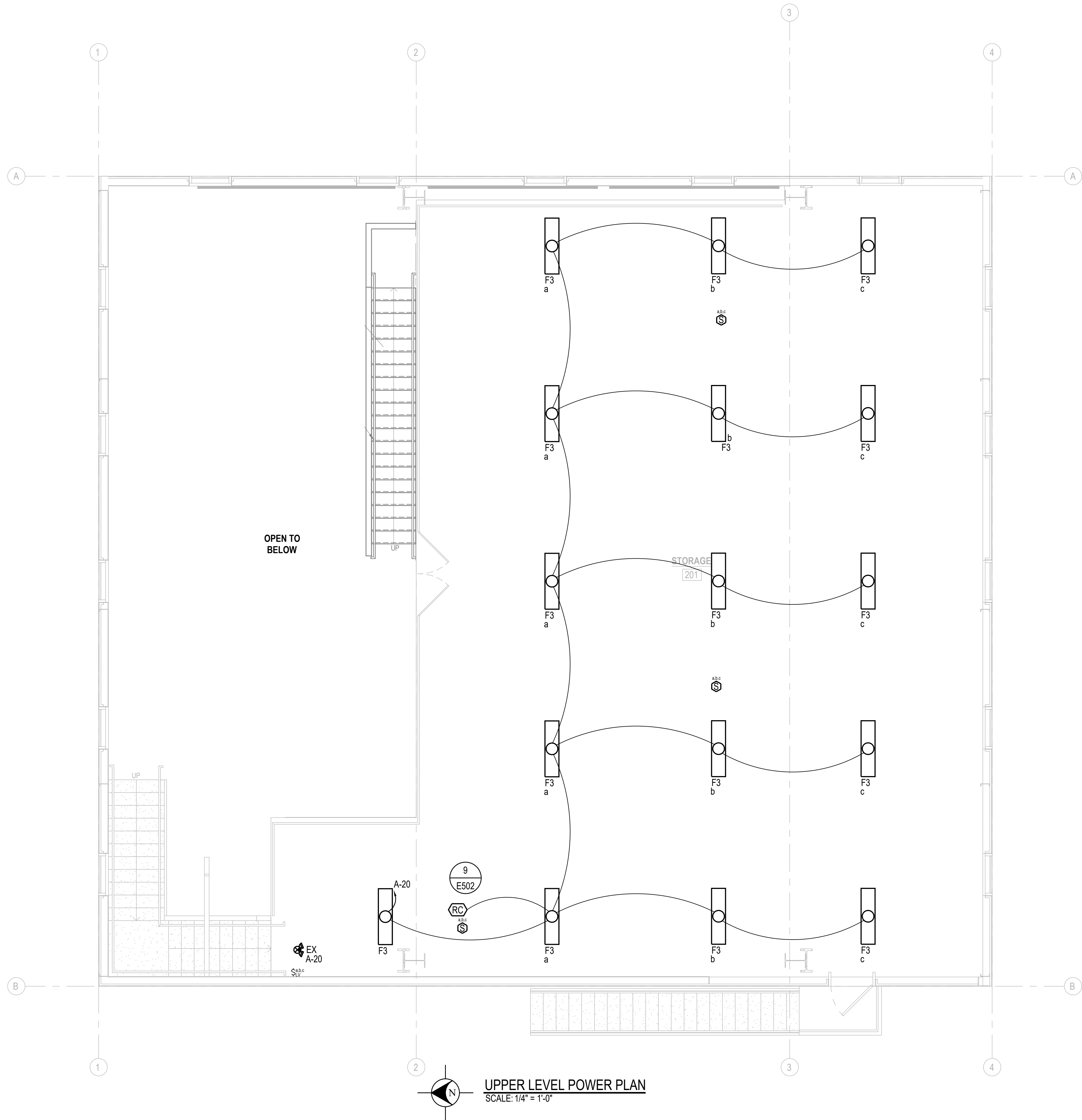


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PROJECT NO: 19337310		
 233 SOUTH PLEASANT GROVE BLVD, SUITE #105 PLEASANT GROVE, UTAH 84063 PHONE: (801) 769-3000 cma@cmautah.com		DATE: 2020-01-21 PROJECT #: CMA 18-060 PROJ. MAN.: KLB CHECKED BY: KLB
PROJECT: ANETH UTAH BUS BUILDING ANETH, UTAH		
SHEET DESCRIPTION: MAIN LEVEL LIGHTING PLAN		
SHEET: E151		

△	MARK	REVISION	DATE

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3/17/2020 8:01:36 AM



UPPER LEVEL POWER PLAN
SCALE: 1/4" = 1'-0"



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 PROJECT NO: 19337310		
 PROJECT: ANETH UTAH BUS BUILDING ANETH, UTAH		<p>DATE: 2020-01-21 PROJECT #: CMA 18-060 PROJ. MAN.: KLB CHECKED BY: KLB</p> <p><small>THE INFORMATION HEREIN IS THE PROPERTY OF CURTIS MINER ARCHITECTURE AND MAY NOT BE REPRODUCED WITHOUT WRITTEN CONSENT. © 2019 CURTIS MINER ARCHITECTURE, LLC</small></p>
SHEET DESCRIPTION: UPPER LEVEL LIGHTING PLAN		SHEET: E152

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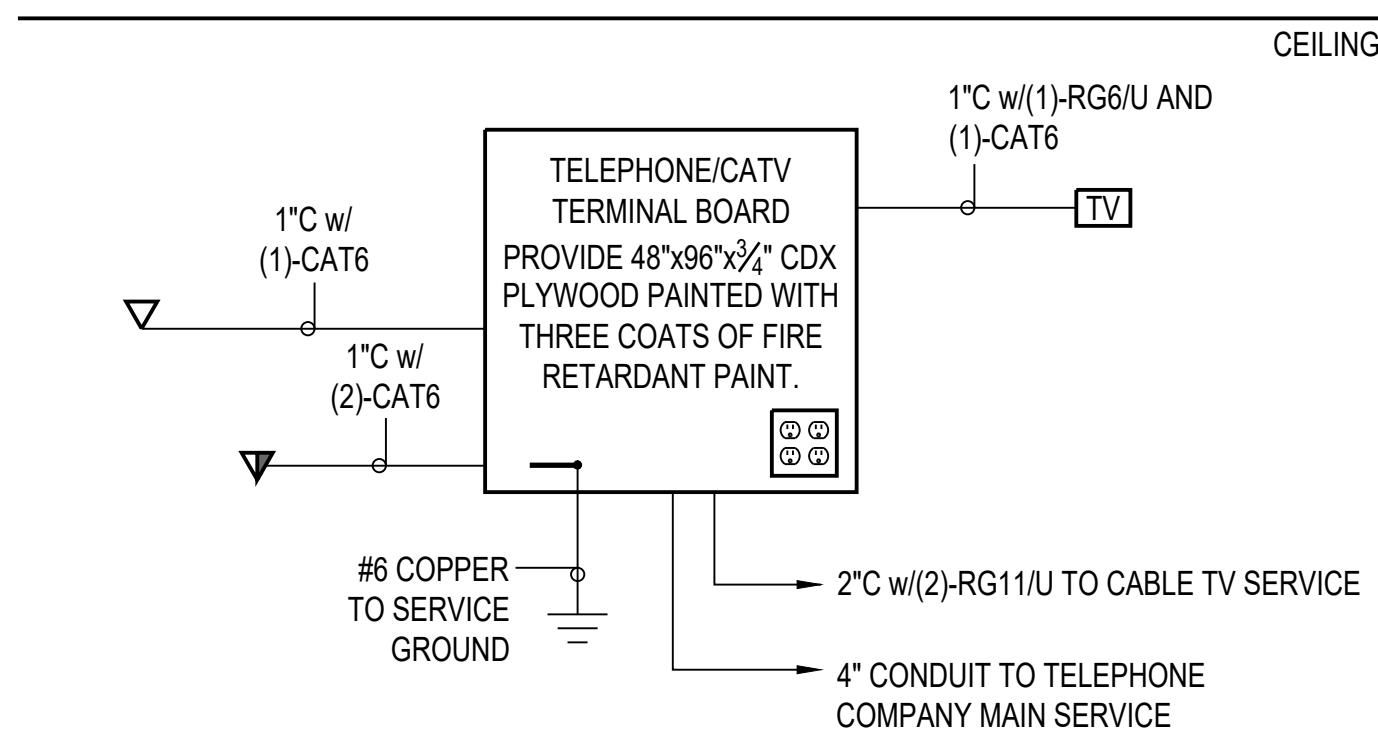
A

B

C

D

7 COMMUNICATIONS RISER DIAGRAM



8 --

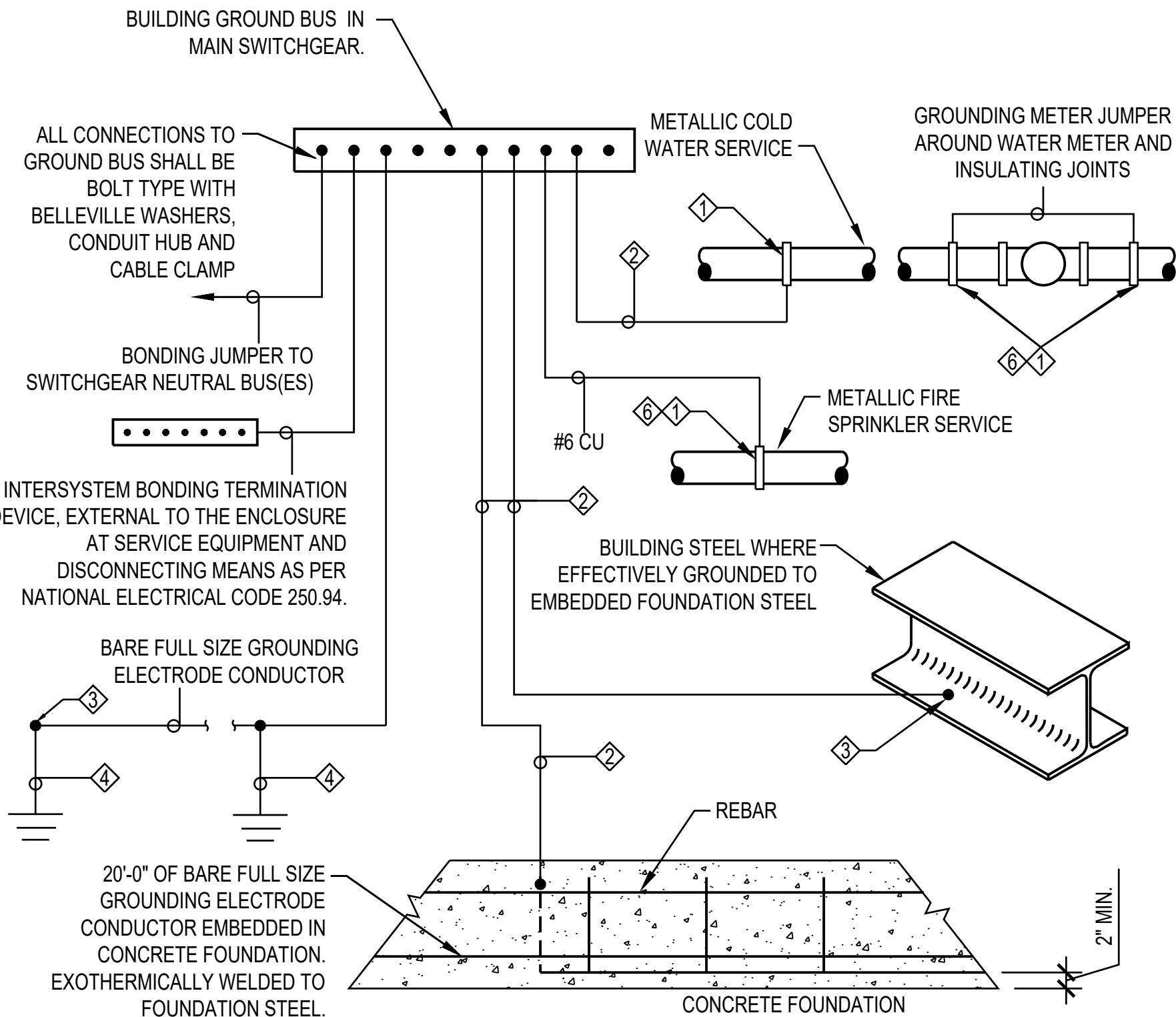
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6 SERVICE GROUNDING DETAIL

GROUNDING ELECTRODE CONDUCTOR			
UNGROUND PHASE CONDUCTOR (COPPER)	UNGROUND PHASE CONDUCTOR (ALUMINUM)	GRND WIRE SIZE (CU)	
#2 OR SMALLER	1/0 OR SMALLER	#8	
1 OR 1/0	2/0 OR 3/0	#6	
2/0 OR 3/0	4/0 OR 250	#4	
>3/0 THRU 350 KCMIL	>250 KCMIL THRU 500 KCMIL	#2	
>350 KCMIL THRU 600 KCMIL	>500 KCMIL THRU 900 KCMIL	1/0	
>600 KCMIL THRU 1100 KCMIL	>900 KCMIL THRU 1750 KCMIL	2/0	
>1100 KCMIL	>1750 KCMIL	3/0	

- NOTE:
- WHEN PRESENT CONTRACTOR SHALL PROVIDE ALL GROUNDING MEANS INDICATED. CONTRACTOR SHALL REFER TO ELECTRICAL ONE-LINE DIAGRAM AND GROUNDING ELECTRODE CONDUCTOR SCHEDULE (THIS DETAIL) FOR GROUNDING ELECTRODE CONDUCTOR SIZE. CONTRACTOR SHALL REFER TO ELECTRICAL SPECIFICATIONS FOR SPECIFICS OF GROUNDING SYSTEM INSTALLATION AND MATERIALS.
 - GROUNDING ROD SHALL BE MIN. 9FT. AWAY FROM IRRIGATION CONTROLLER.
- KEYED NOTE:
- T&B 3900 BU GROUND CLAMP WITH 3/4" CONDUIT HUB AND CABLE CLAMP.
 - FULL SIZE GROUNDING ELECTRODE CONDUCTOR IN PVC.
 - EXOTHERMICALLY WELDED (TYPICAL).
 - DRIVEN GROUND RODS 5/8"x8" COPPER/STEEL ON BUILDING EXTERIOR.
 - TABLE TAKEN FROM NEC 250.66. UNGROUNDED PHASE CONDUCTOR REFERS TO THE SIZE OF THE LARGEST UNGROUNDED SERVICE-ENTRANCE CONDUCTOR OR EQUIVALENT AREA FOR PARALLEL CONDUCTORS. SEE NEC 250.66.
 - BOND METAL PIPING PER NEC 250.104.



SCALE: NTS

COPPER FEEDER SCHEDULE

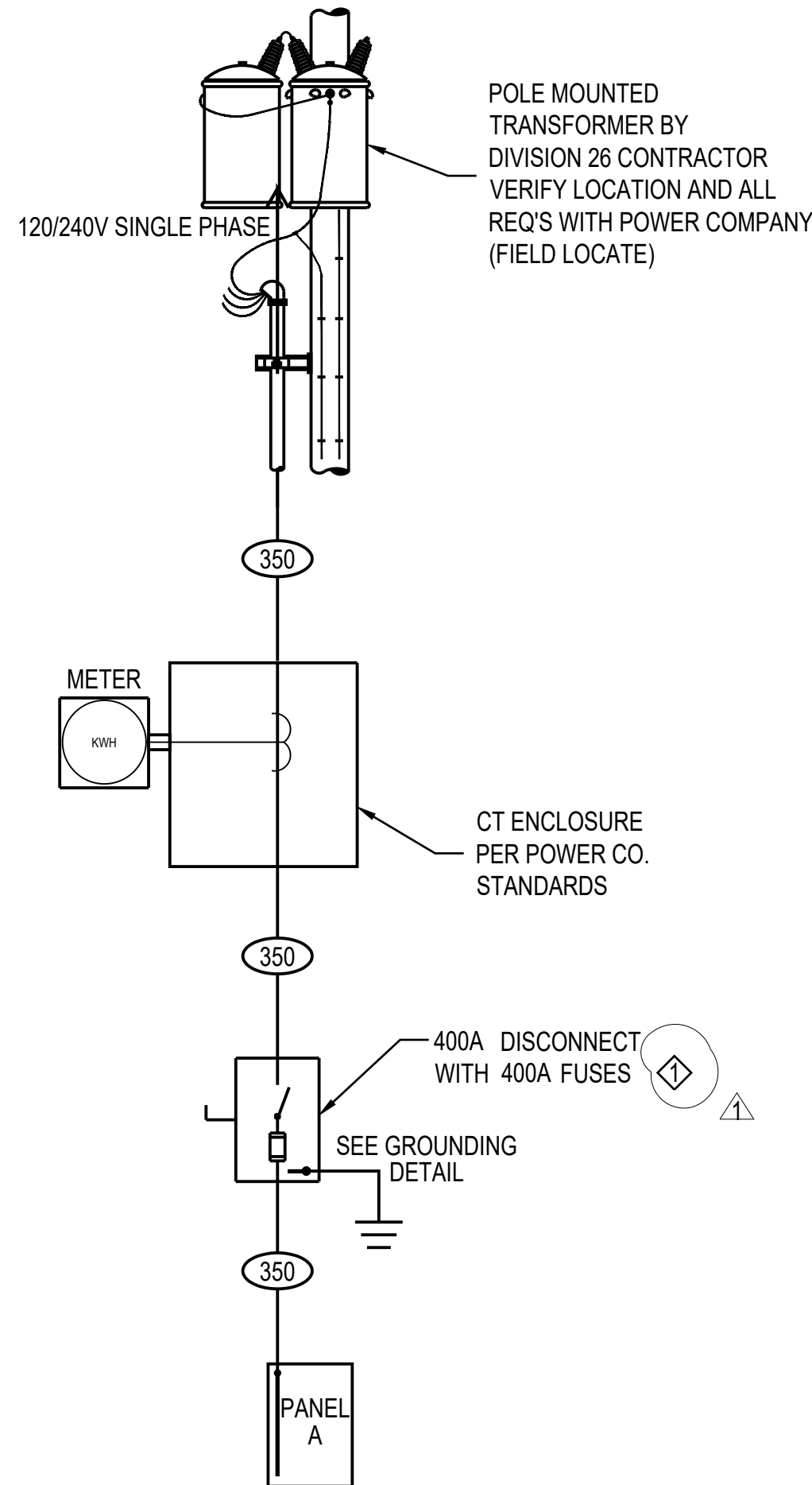
TYPE	CONDUIT SIZE		CONDUCTORS		75°C AMP RATING	TYPE	CONDUIT SIZE		CONDUCTORS		75°C AMP RATING	TYPE	CONDUIT SIZE		CONDUCTORS		75°C AMP RATING
	PVC	EMT	QUAN.	SIZE			PVC	EMT	QUAN.	SIZE			PVC	EMT	QUAN.	SIZE	
312	3/4"	3/4"	3	#12	25	31X	1-1/2"	1-1/2"	3	1/0	150	350	4"	3-1/2"	3	500 KCMIL	380
30	3/4"	3/4"	3	#10	35	32X	2"	2"	3	2/0	175	360	4"	4"	3	600 KCMIL	420
38	3/4"	3/4"	3	#8	50	33X	2"	2"	3	3/0	200	EQUIPMENT GROUNDING CONDUCTORS SCHEDULE					
36	1"	1"	3	#6	65	34X	2-1/2"	2-1/2"	3	4/0	230	OVERCURRENT DEVICE		COPPER			
34	1-1/4"	1-1/4"	3	#4	85	325	3"	2-1/2"	3	250 KCMIL	255	15	14				
												20	12				
												30	10				
												40	10				
33	1-1/4"	1-1/4"	3	#3	100	330	3"	2-1/2"	3	300 KCMIL	285	60	10				
												100	8				
												200	6				
32	1-1/4"	1-1/4"	3	#2	115	335	3"	2-1/2"	3	350 KCMIL	310	300	4				
												400	3				
												500	2				
31	1-1/2"	1-1/2"	3	#1	130	340	3"	3"	3	400 KCMIL	335	600	1				
												800	1/0				

- NOTE:
- SEE EQUIPMENT GROUND CONDUCTOR SCHEDULES OR SERVICE GROUNDING DETAIL FOR GROUND CONDUCTORS RATING.
 - ALL INSULATION SHALL BE THHN (ABOVE GRADE) OR THWN (BELOW GRADE) UNLESS NOTED OTHERWISE.
 - PVC CONDUIT SIZE IS BASED ON SCHEDULE 40 PVC. PVC & THWN ARE APPROVED FOR UNDERGROUND FEEDERS ONLY.

MARK	REVISION	DATE

KEYED NOTE:

- ◇ PROVIDE NEC 110.24 COMPLIANT LABEL INDICATING AVAILABLE FAULT CURRENT AS 32,364 AMPS CALCULATED MARCH 2020. SEE SHEET E601 FOR FAULT CURRENT CALCULATION.



2 POWER ONE-LINE DIAGRAM

ANETH CHAPTER,
NAVAJO NATION
ANETH, UTAH

DIVISION OF FACILITIES
CONSTRUCTION & MANAGEMENT
4110 STATE OFFICE BUILDING
SALT LAKE CITY, UTAH 84114
PHONE: (801) 538-3018
FAX: (801) 538-3267

PROJECT NO: 19337310



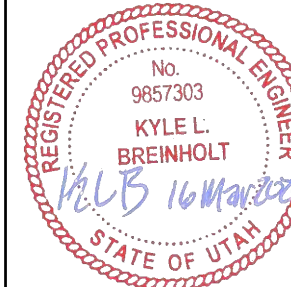
233 SOUTH PLEASANT GROVE BLVD.
SUITE #105
PLEASANT GROVE, UTAH 84062
PHONE: (801) 769-3000
cma@cmautah.com

DATE: 2020-01-21
PROJECT #: CMA 18-060
PROJ. MAN.: KLB
CHECKED BY: KLB

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PROJECT:

ANETH UTAH
BUS BUILDING
ANETH, UTAH



SHEET DESCRIPTION:

ONE-LINE AND RISER
DIAGRAMS

SHEET:

E501



Cloward
Engineering
GROUP
2696 N University Ave, Suite 290
Provo, Utah 84604
Office: 801.373.0311

Diagram illustrating the wiring connections for the LS-G2-WH-6-MZD4 MZD Dimming station.

Inputs:

- Main Ltg R20D Dimming/ Relay Zone "b" (CAT-5e)
- TV/Projector LTG R20D Dimming/ Relay Zone "a" (RJ-45 typical)
- 0-10VDC
- 20A-120/277VAC
- Optional "c" Zone and "d" Zone R20D relay can be added in the field.
- Or control of a second room with two zones

Outputs:

- LightLEEDer-EVO distributed controller (120/277VAC)
- Local RJ45 OUT
- OUT IN
- LightLEEDer Network RJ45
- 4 OSC inputs w/24VDC power
- 3 #18AWG
- OSA20-R00 50mA driver
- (Optional) 20A-120VAC Plug-Load power pack
- CAT-5 RJ-45

LS:04 MZD4

LS-G2-WH-6-MZD4 MZD Dimming station

press-n-hold dimming and zone selection

LS:06 Present

LS-G2-WH-5

Welcome: 1 = 40%
A/V : 2 = 20%
Present: 3 = 60%
Energize: 4 = 100%
All Off: 5 = 0% Dim Off

1-Conference Room, 2-Zone,
MZD4, 5-Preset Station
Light/EEDer EVO Distributed Controller

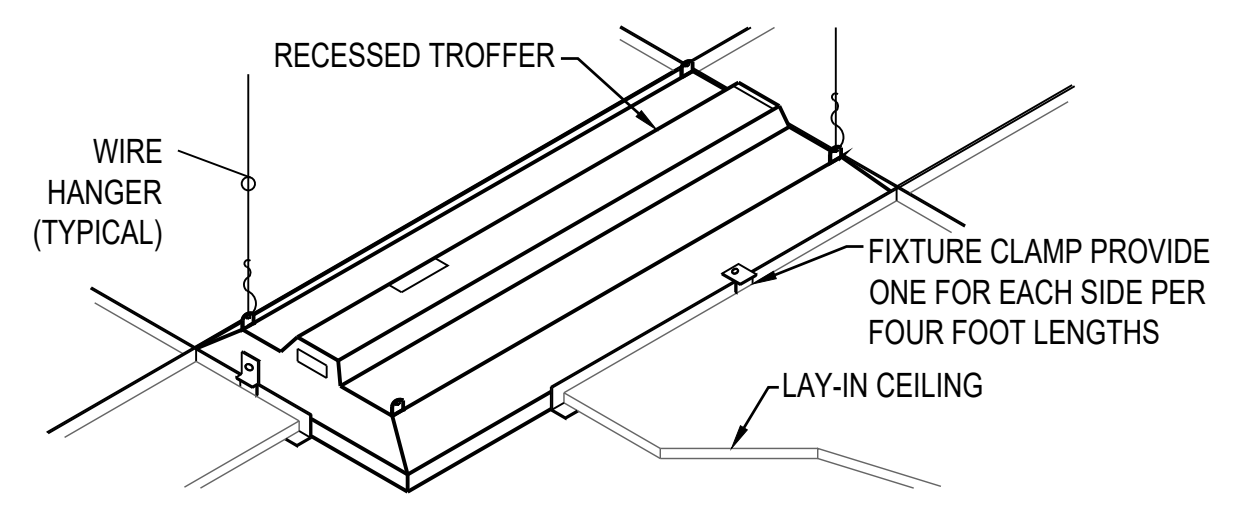
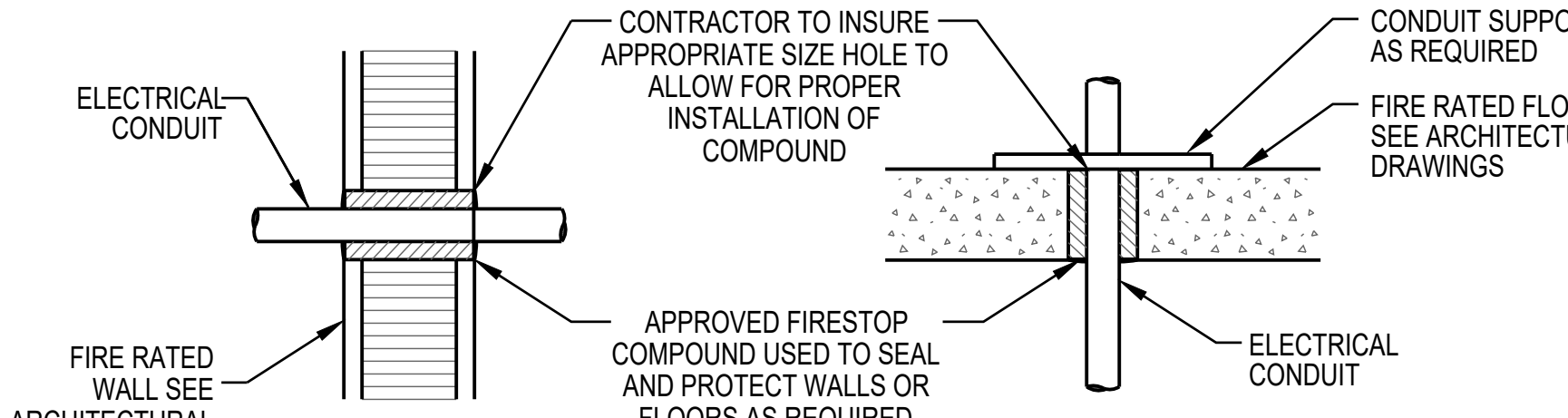
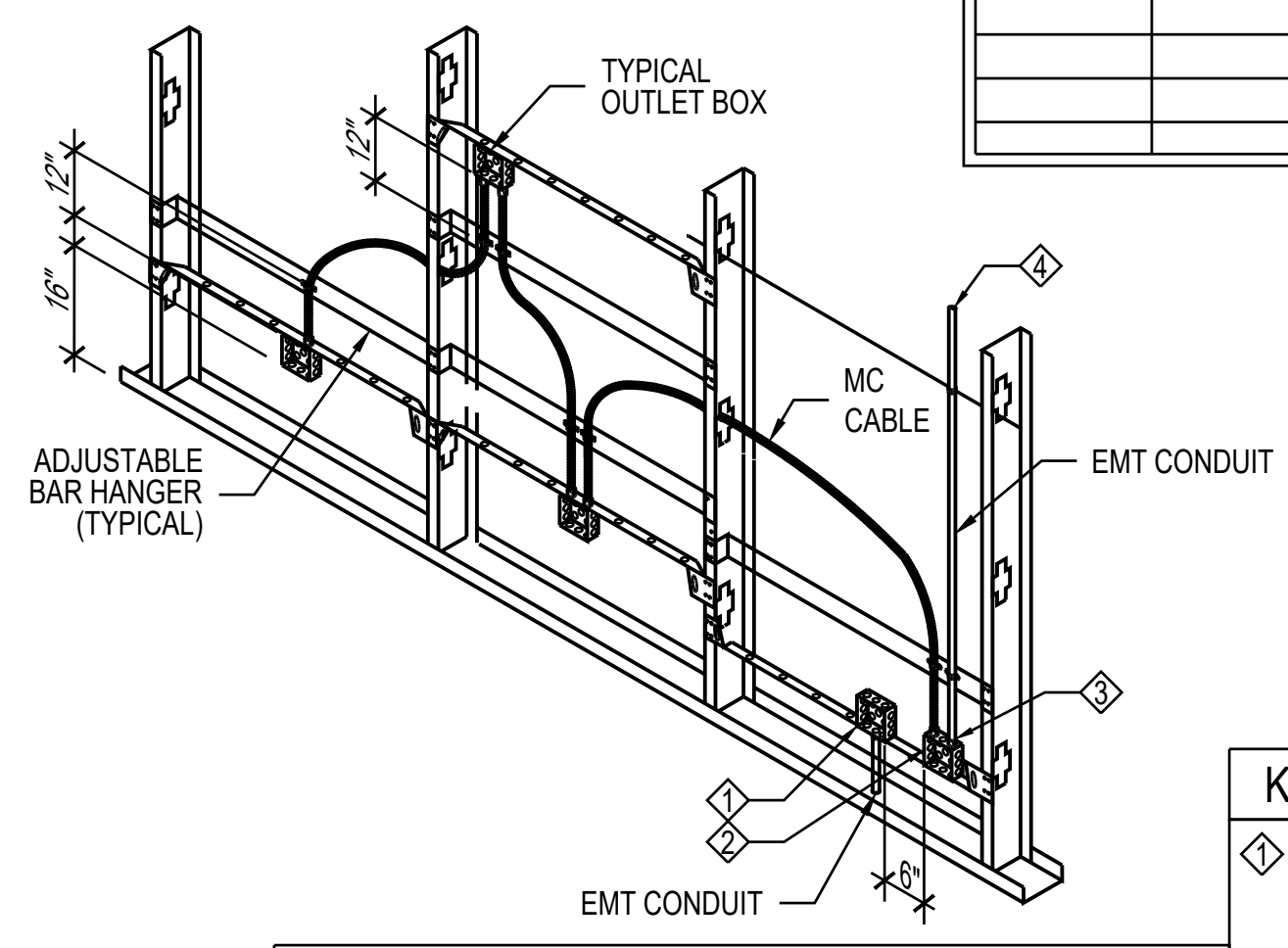
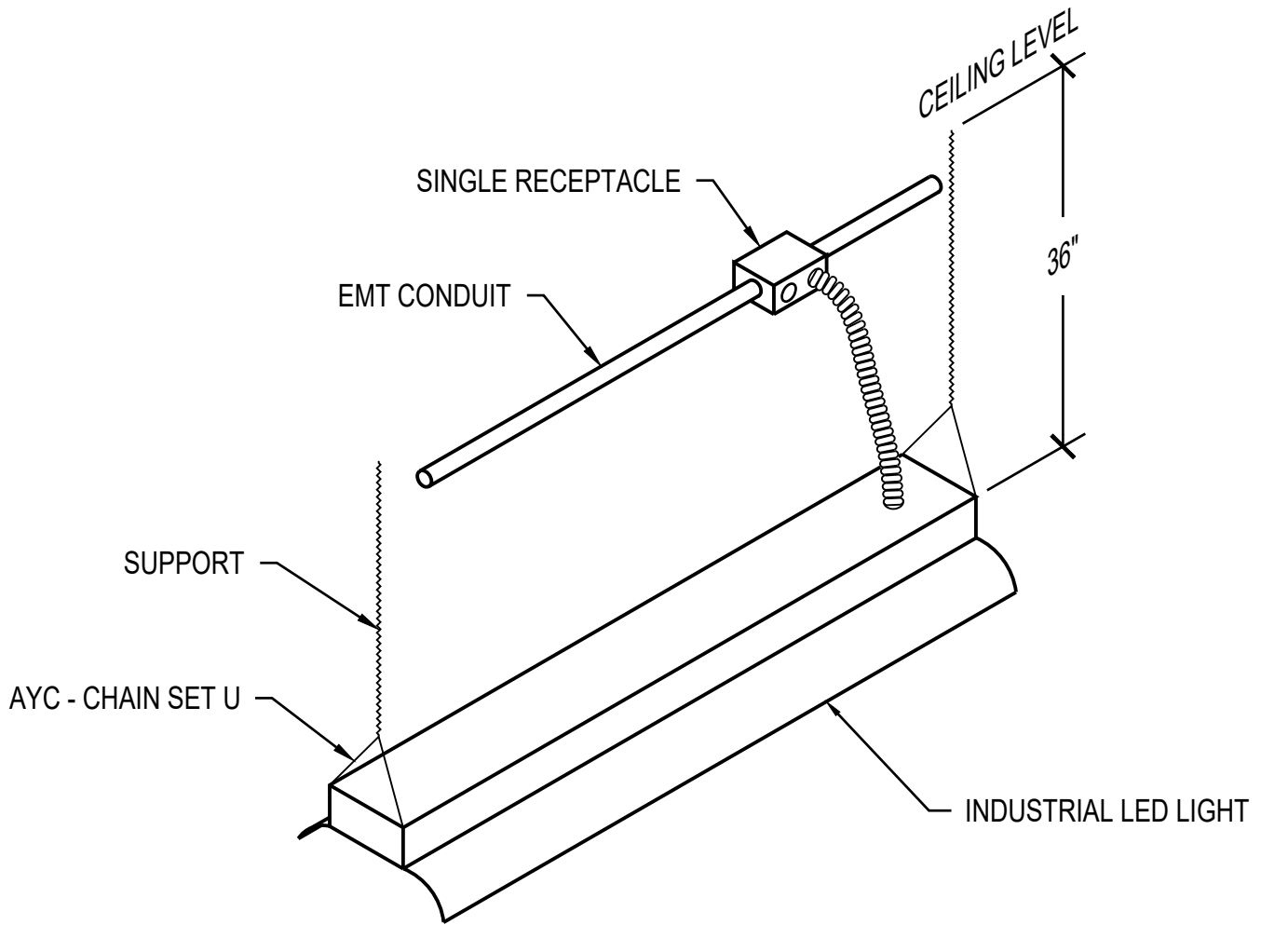
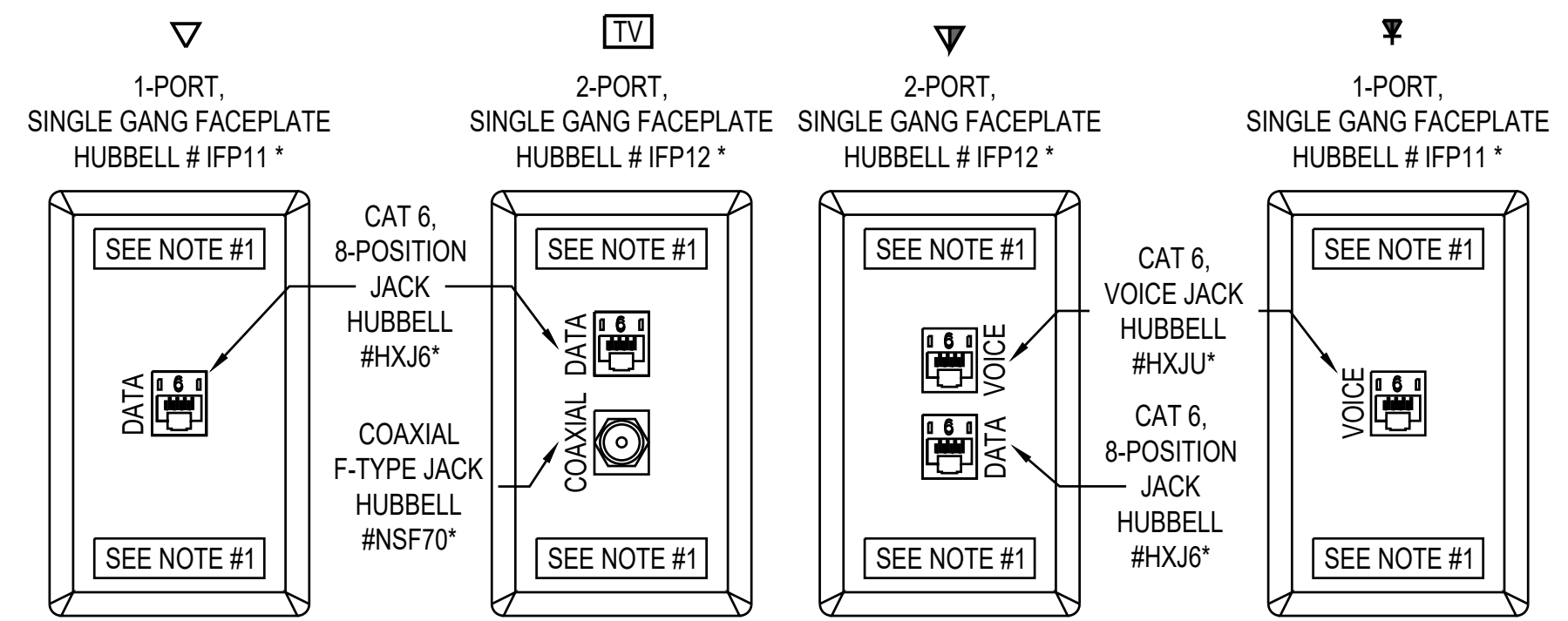
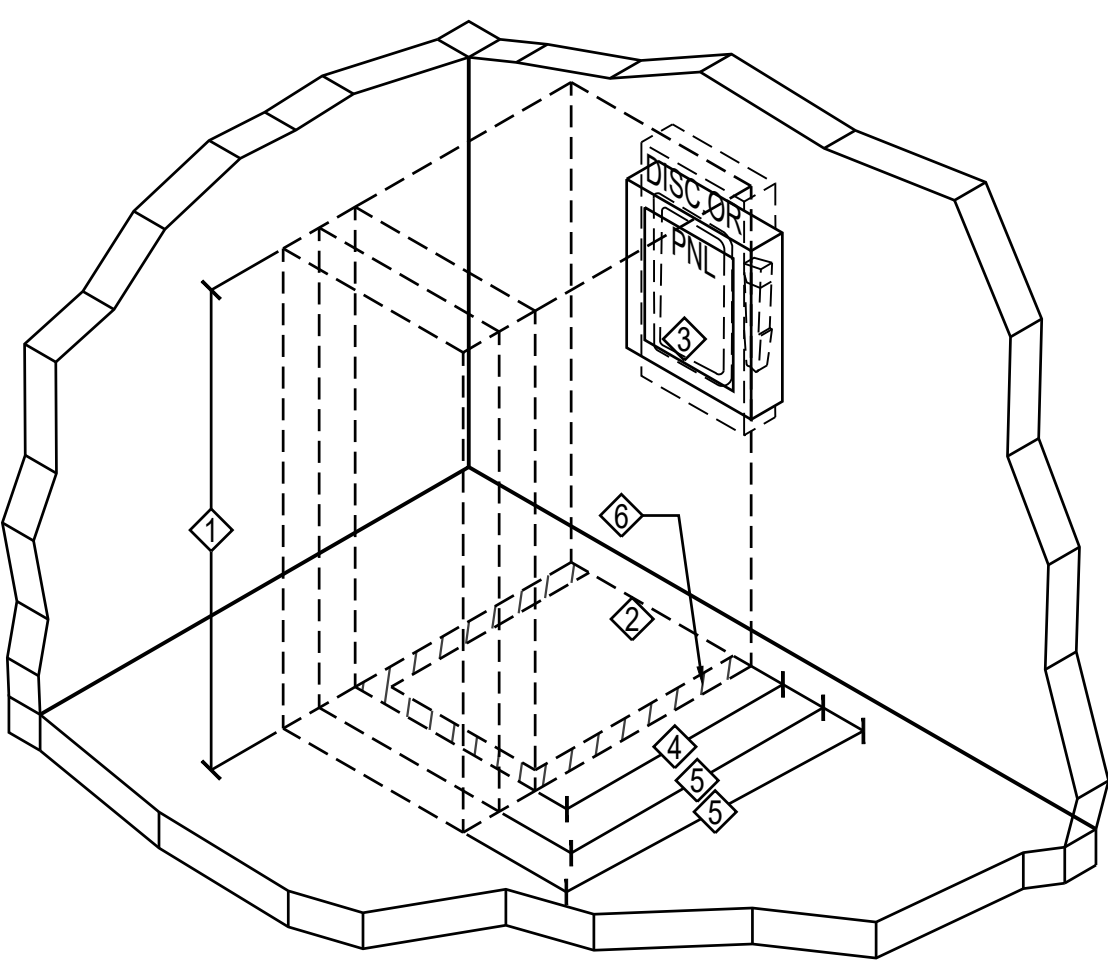
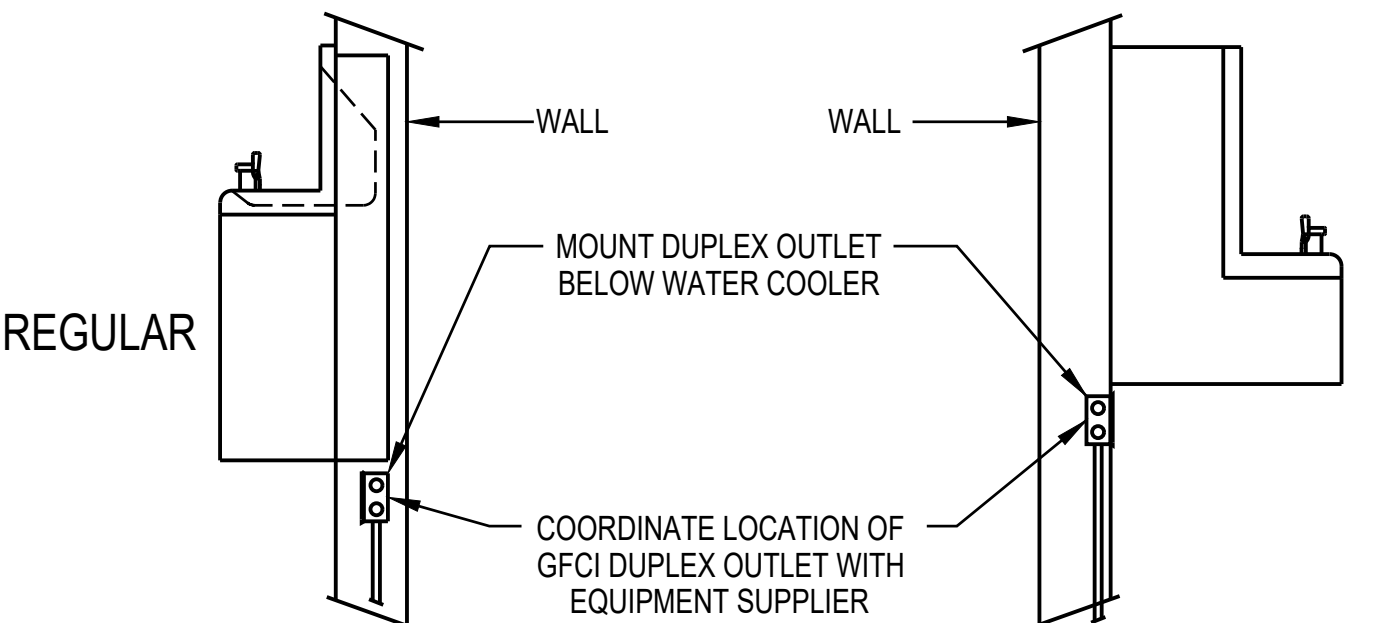
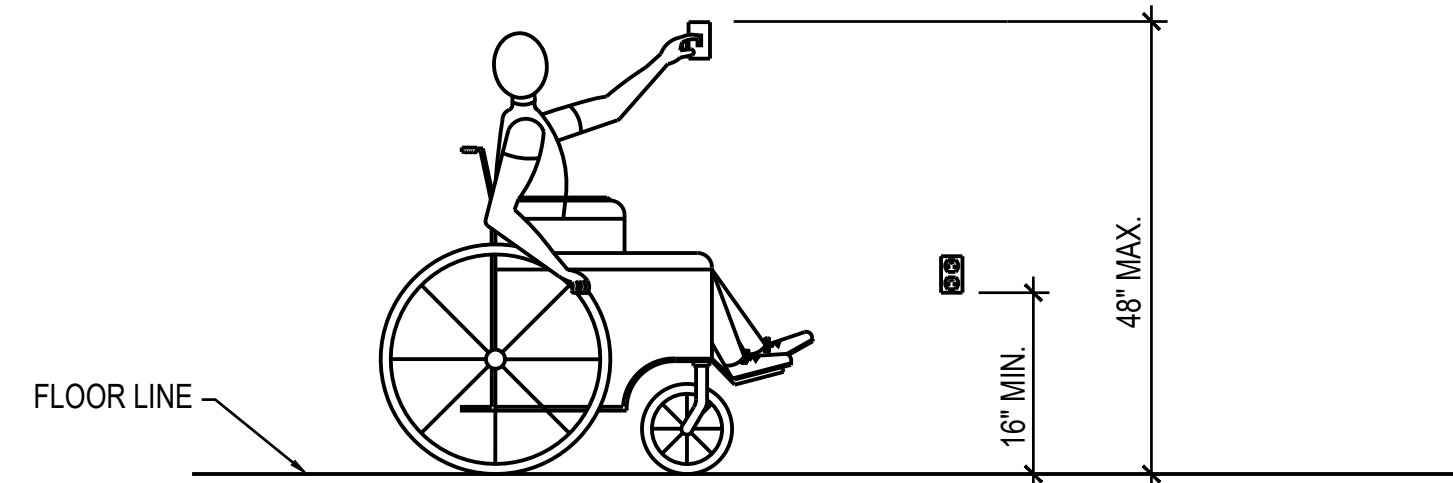
The diagram illustrates the wiring for a LightLEEDer EVO 3-20 zone panel with three remotely mounted R20D relays. The central component is the LightLEEDer EVO distributed controller, which has multiple ports for power, data, and control.

- Power Connections:**
 - Relay Zone "b":** 0-10VDC and 20A-120/277VAC.
 - Relay Zone "c":** 0-10VDC and 20A-120/277VAC.
 - Optional "d" Zone:** R20D relay can be added in the field.
 - LightLEEDer EVO distributed controller:** 120/277VAC (Black, White, Green Ground).
 - Optional 20A-120VAC Plug-Load power pack:** OSA20-R00 50mA.
- Data and Network Connections:**
 - Relay Zone "b":** RJ-45 (typical) and CAT 1-5e.
 - Relay Zone "c":** RJ-45 (typical) and CAT 1-5e.
 - LightLEEDer Network RJ45:** OUT IN and Local RJ45 OUT.
 - CAT-5 RJ-45:** Connected to the network.
- Control and Sensor Connections:**
 - LS-07:** 3-Zone on/off control with press-n-hold dimming and zone selection, supports up to 8 switches.
 - LSG2-5-MZD3:** Motion Sensor Setup.
 - Input 1 = Occupancy
 - Input 2 = Vacancy
 - Input 3 = Occ + On to 50%
 - Input 3 = R1, 3 Vacancy, R2, 4 Occ + On 50%

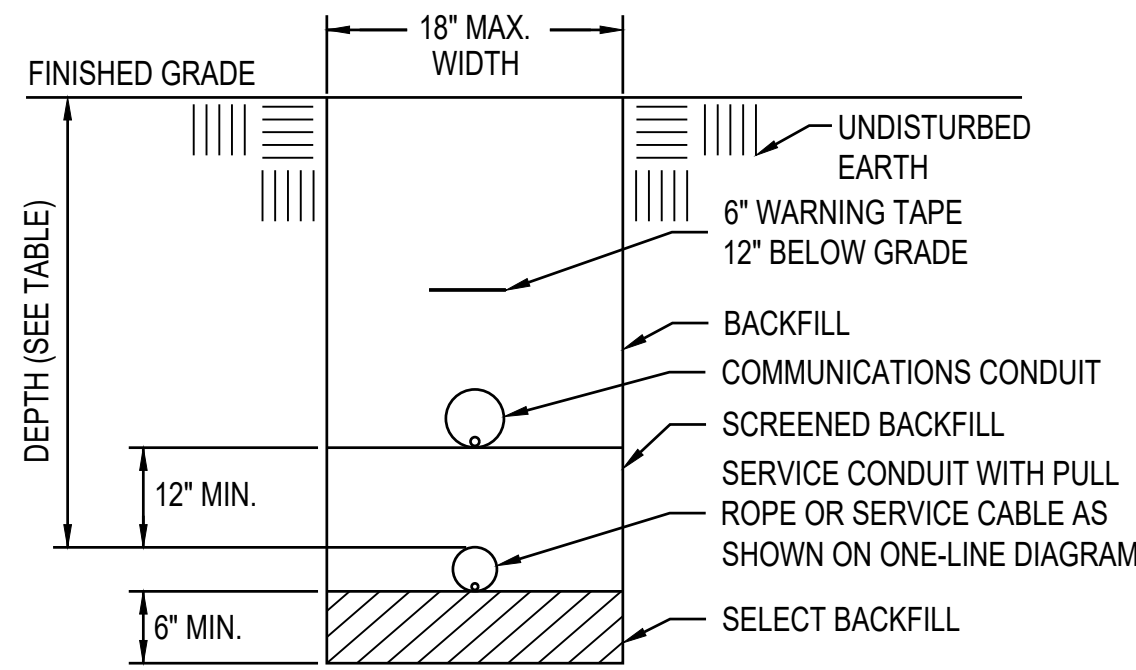
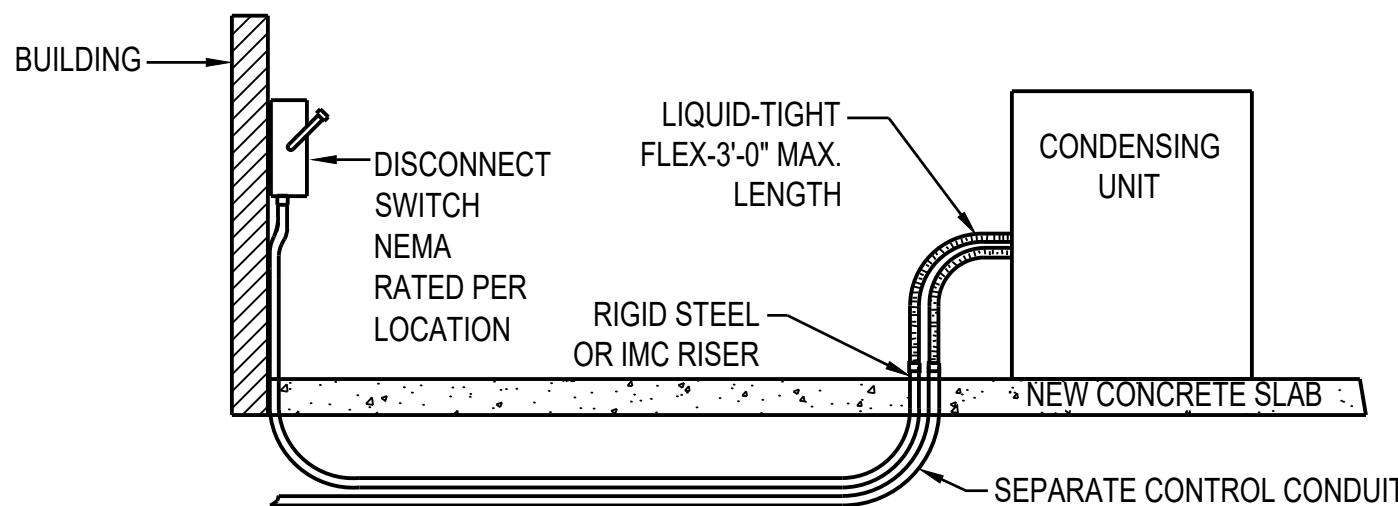



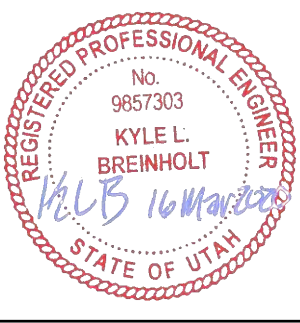
⑨ (F1) LL-EVO 1-ROOM, 3-ZONE, 1-DAYLIGHT ZONE



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<p>1</p> <p>A</p>  <p>RECESSED TROFFER</p> <p>WIRE HANGER (TYPICAL)</p> <p>FIXTURE CLAMP PROVIDE ONE FOR EACH SIDE PER FOUR FOOT LENGTHS</p> <p>LAY-IN CEILING</p>	<p>3</p> <p>NOTE: 1. ALL FIRE STOPPING COMPOUND TO BE INSTALLED UNDER STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.</p>  <p>ELECTRICAL CONDUIT</p> <p>FIRE RATED WALL SEE ARCHITECTURAL DRAWINGS</p> <p>CONTRACTOR TO INSURE APPROPRIATE SIZE HOLE TO ALLOW FOR PROPER INSTALLATION OF COMPOUND</p> <p>APPROVED FIRESTOP COMPOUND USED TO SEAL AND PROTECT WALLS OR FLOORS AS REQUIRED</p> <p>CONDUIT SUPPORT AS REQUIRED</p> <p>FIRE RATED FLOOR SEE ARCHITECTURAL DRAWINGS</p> <p>ELECTRICAL CONDUIT</p> <p>WALL PENETRATION</p> <p>FLOOR PENETRATION</p>	<p>5</p>  <p>TYPICAL OUTLET BOX</p> <p>MC CABLE</p> <p>EMT CONDUIT</p> <p>ADJUSTABLE BAR HANGER (TYPICAL)</p> <p>EMT CONDUIT</p> <table border="1"><thead><tr><th>MARK</th><th>REVISION</th><th>DATE</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></tbody></table> <p>KEYED NOTES:</p> <ul style="list-style-type: none">OUTLET BOXES ON OPPOSITE SIDES OF WALLS OR PARTITION IN THE SAME STUD SPACE MUST BE SEPARATED BY A MIN. OF 6" HORIZONTAL DISTANCE.ELECTRICAL BOXES INSTALLED IN FIRE RESISTANT WALLS OR PARTITIONS SHALL COMPLY WITH IBC 714.3.2 (24" SEPARATION ON OPPOSITE SIDES.)INSULATED THROAT EMT CONNECTOR.HOME RUN TO PANEL MUST BE IN RACEWAY. <p>GENERAL NOTES:</p> <ul style="list-style-type: none">TYPICAL FOR WOOD AND METAL STUD ROUGH IN.PLASTER RINGS NOT SHOWN. COORDINATE RING DEPTH TO BE FLUSH WITH FINAL FINISH SURFACE.LOCATE ALL OUTLET BOXES IN ACCORDANCE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS, AND WITH ALL APPLICABLE SHOP DRAWINGS.	MARK	REVISION	DATE									
MARK	REVISION	DATE												
<p>7</p> <p>B</p> <p>C</p>  <p>SINGLE RECEPTACLE</p> <p>EMT CONDUIT</p> <p>SUPPORT</p> <p>AYC - CHAIN SET U</p> <p>INDUSTRIAL LED LIGHT</p> <p>CEILING LEVEL</p> <p>36"</p>	<p>4</p> <p>ELECTRICAL GENERAL NOTES:</p> <ul style="list-style-type: none">COORDINATE STATION AND PORT LABELING WITH OWNER.ALL PATCH CABLES AND STATION CABLES SHALL BE PROVIDED AND INSTALLED BY EC.ALL PATCHING AND/OR CROSS CONNECTION SHALL BE PERFORMED BY THE EC.MATCH FACEPLATE COLOR TO RECEPTACLES.  <p>1-PORT, SINGLE GANG FACEPLATE HUBBELL #IFP11 *</p> <p>CAT 6, 8-POSITION JACK HUBBELL #HXJ6*</p> <p>COAXIAL F-TYPE JACK HUBBELL #NSF70*</p> <p>2-PORT, SINGLE GANG FACEPLATE HUBBELL #IFP12 *</p> <p>SEE NOTE #1</p> <p>DATA</p> <p>COAXIAL</p> <p>2-PORT, SINGLE GANG FACEPLATE HUBBELL #IFP12 *</p> <p>SEE NOTE #1</p> <p>DATA</p> <p>VOICE</p> <p>COAXIAL</p> <p>1-PORT, SINGLE GANG FACEPLATE HUBBELL #IFP11 *</p> <p>SEE NOTE #1</p> <p>VOICE</p> <p>CAT 6, VOICE JACK HUBBELL #HXJU*</p> <p>CAT 6, 8-POSITION JACK HUBBELL #HXJ6*</p>	<p>1</p> <p>KEYED NOTES:</p> <ul style="list-style-type: none">THE MINIMUM HEADROOM OF WORKING SPACE SHALL BE 6 1/2 FT.THE WIDTH OF THE WORKING SPACE SHALL BE THE WIDTH OF THE EQUIPMENT OR 30 IN., WHICHEVER IS GREATER. THE PANEL DOOR SHALL OPEN AT LEAST 90 DEGREES.ALL CIRCUIT BREAKERS OR DISCONNECT HANDLES SHALL BE NOT MORE THAN 6 FT 7 IN. ABOVE THE FLOOR WHEN IN THEIR HIGHEST POSITION.3 FT CLEARANCE IF 0-150V TO GROUND.3.5FT CLEARANCE IF 151-600V TO GROUND. 4FT IF EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORKING SPACE.IN AREAS WHERE STORAGE IS LIKELY TO ENCROACH ON WORK SPACE CLEARANCE PROVIDE FLOOR MARKING TAPE, ON FINISHED FLOOR, FOR ELECTRICAL EQUIPMENT WORKING CLEARANCE IDENTIFICATION. FLOOR MARKING TAPE SHALL BE SELF-ADHESIVE VINYL OR POLYESTER TAPE WITH OVERLAMINATE, 3 INCHES (76MM) WIDE, WITH ALTERNATING BLACK AND WHITE STRIPES. <p>GENERAL NOTE:</p> <ul style="list-style-type: none">ALL WORKING SPACE CLEARANCE FROM FACE OF PANEL. 												
<p>8</p> <p>D</p>  <p>WALL</p> <p>WALL</p> <p>REGULAR</p> <p>MOUNT DUPLEX OUTLET BELOW WATER COOLER</p> <p>COORDINATE LOCATION OF GFCI DUPLEX OUTLET WITH EQUIPMENT SUPPLIER</p> <p>ACCESSIBLE</p>	<p>5</p>  <p>FLOOR LINE</p> <p>16" MIN.</p> <p>48" MAX.</p>	<p>2</p> <p>ANETH CHAPTER, NAVAJO NATION ANETH, UTAH</p> <p>DIVISION OF FACILITIES CONSTRUCTION & MANAGEMENT 4110 STATE OFFICE BUILDING SALT LAKE CITY, UTAH 84114 PHONE: (801) 538-3018 FAX: (801) 538-3267</p> <p>PROJECT NO: 19337310</p> <p>CURTIS MINER ARCHITECTURE 233 SOUTH PLEASANT GROVE BLVD. SUITE #105 PLEASANT GROVE, UTAH 84063 PHONE: (801) 769-3000 cma@cmautah.com</p> <p>DATE: 2020-01-21 PROJECT #: CMA 18-060 PROJ. MAN.: KLB CHECKED BY: KLB</p> <p>THE INFORMATION HEREIN IS THE PROPERTY OF CURTIS MINER ARCHITECTURE AND MAY NOT BE REPRODUCED WITHOUT WRITTEN CONSENT. © 2019 CURTIS MINER ARCHITECTURE, LLC</p> <p>PROJECT: ANETH UTAH BUS BUILDING ANETH, UTAH</p> <p>SHEET DESCRIPTION: INTERIOR ELECTRICAL INSTALLATION DETAILS</p> <p>SHEET: E503</p> <p>CLOWARD Engineering GROUP 2696 N University Ave, Suite 290 Provo, Utah 84604 Office: 801.373.0311</p>												

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A					<table><tr><th>LOCATION DESCRIPTION</th><th>MIN. DEPTH</th></tr><tr><td>BELOW CONCRETE SLAB (NOT TRAFFIC)</td><td>18 INCHES</td></tr><tr><td>BELOW TRAFFIC SURFACES</td><td>24 INCHES</td></tr><tr><td>PARKING LOT (PAVED OR NON-PAVED)</td><td>24 INCHES</td></tr><tr><td>OTHER LOCATIONS</td><td>24 INCHES</td></tr><tr><td>UTILITY SECONDARY</td><td>24 INCHES*</td></tr><tr><td>UTILITY PRIMARY</td><td>48 INCHES*</td></tr></table> <p>(SEE NEC TABLE 300.5) * VERIFY ALL DIMENSIONS WITH LOCAL POWER COMPANY STANDARDS AND SPECIFICATIONS.</p>	LOCATION DESCRIPTION	MIN. DEPTH	BELOW CONCRETE SLAB (NOT TRAFFIC)	18 INCHES	BELOW TRAFFIC SURFACES	24 INCHES	PARKING LOT (PAVED OR NON-PAVED)	24 INCHES	OTHER LOCATIONS	24 INCHES	UTILITY SECONDARY	24 INCHES*	UTILITY PRIMARY	48 INCHES*	<table><tr><th>△ MARK</th><th>REVISION</th><th>DATE</th></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></table>  <p>Diagram showing trenching details: FINISHED GRADE, 18" MAX. WIDTH, UNDISTURBED EARTH, 6" WARNING TAPE 12" BELOW GRADE, BACKFILL, COMMUNICATIONS CONDUIT, SCREENED BACKFILL, SERVICE CONDUIT WITH PULL ROPE OR SERVICE CABLE AS SHOWN ON ONE-LINE DIAGRAM, SELECT BACKFILL. Vertical dimensions: 12" MIN., 6" MIN.</p>	△ MARK	REVISION	DATE									
					LOCATION DESCRIPTION	MIN. DEPTH																										
BELOW CONCRETE SLAB (NOT TRAFFIC)	18 INCHES																															
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△ MARK	REVISION	DATE																														
⑦ --	④ --	① TRENCHING DETAIL	SCALE: NTS																													
B					 <p>Diagram showing condensing unit conduit installation: BUILDING, DISCONNECT SWITCH NEMA RATED PER LOCATION, LIQUID-TIGHT FLEX-3'-0" MAX. LENGTH, CONDENSING UNIT, RIGID STEEL OR IMC RISER, NEW CONCRETE SLAB, SEPARATE CONTROL CONDUIT.</p>																											
C					② CONDENSING UNIT CONDUIT INSTALLATION DETAIL																											
⑧ --	⑤ --																															
D				<div><div><div><div>ANETH CHAPTER, NAVAJO NATION <small>ANETH, UTAH</small></div><div><div>DIVISION OF FACILITIES CONSTRUCTION & MANAGEMENT 4110 STATE OFFICE BUILDING SALT LAKE CITY, UTAH 84114 PHONE: (801) 538-3018 FAX: (801) 538-3267</div></div><div>PROJECT NO: 19337310</div></div><div><div><div>233 SOUTH PLEASANT GROVE BLVD. SUITE #103 PLEASANT GROVE, UTAH 84063 PHONE: (801) 769-3000 cma@cmautah.com</div></div><div><div>DATE: 2020-01-21 PROJECT #: CMA 18-060 PROJ. MAN.: KLB CHECKED BY: KLB</div><div><small>THE INFORMATION HEREIN IS THE PROPERTY OF CURTIS MINER ARCHITECTURE AND MAY NOT BE REPRODUCED WITHOUT WRITTEN CONSENT. © 2019 CURTIS MINER ARCHITECTURE, LLC</small></div></div></div><div><div><div>CLOWARD Engineering GROUP 2696 N University Ave, Suite 290 Provo, Utah 84604 Office: 801.373.0311</div></div><div><div>PROJECT: ANETH UTAH BUS BUILDING ANETH, UTAH</div><div><p>REGISTERED PROFESSIONAL ENGINEER No. 9657303 KYLE L. BREINHOLT PEL B 16 March 2020 STATE OF UTAH</p></div></div><div><div>SHEET DESCRIPTION: EXTERIOR ELECTRICAL INSTALLATION DETAILS</div><div>SHEET: E504</div></div></div></div></div>																												
⑨ --	⑥ --																															

A

B

C

D

LIGHT FIXTURE SCHEDULE									
FIXTURE NUMBER	FIXTURE MANUFACTURER	FIXTURE CATALOG #	LAMPS		FIXTURE			DESCRIPTION	
			TYPE	QTY.	VOLTS	WATTS	MOUNTING		
F1	PORTFOLIO LITHONIA LIGHTOLIER ATLANTIC PRESCOLITE MAXILUME	LD6A20D010TE-ERM6A10835-6LM1U1-HB26-HSA6 LDN6 3520 LO6AR LSS MVOLT EZ1 SCA6-XX C6L20NUVBZ10V W/C6L010DL35KMCCLVWB W/7925MX LEDADJ-DLM20-35K-U-7LADJ-XX-HZ LF6SL-6LFSL20L35KSCA6 HH6-LED-2000L-DIM10-MVOLT-MD-35K-90HH6-6501-CL-WH-MSCA	LED 3500 KELVIN 2000 LUMENS 80 CRI	-	120	24	RECESSED	LED DOWNLIGHT WALZAK TRIM WITH SLOPED CEILING ADAPTER **VERIFY CORRECT "DEGREE OF SLOPE" PRIOR TO ORDERING SLOPE ADAPTOR TRIM.	
F2	METALUX LITHONIA DAY-BRITE LSI COLUMBIA ORACLE	22AC-LD4-23-UNV-L835-CD1-U 2RTL2-20L-EZ1-LP835 2DLG27L835-2-D-UNV ASC22-LED-SS-WW-UE LEPC22-35L-WG-LL-EDU 24-NV-LED-2400L-DIM10-MVOLT-35K-80	LED 3500 KELVIN 2300 LUMENS 80 CRI	-	120	47.5	LAY-IN GRID	2X2 LED LAY-IN VOLUMETRIC	
F3	METALUX LITHONIA LA LIGHTING LSI LUMAX ORACLE	4WNSLED-LD4-44SL-F-UNV-L835-CD1-U LBL4W-6500LM-80CRI-35K-MIN1-ZT-MVOLT 3-WAN113-4K-4L-FPA-10RDM-UNV-21835 WNA14-LED-SS-WW-UE WNLED-6SL-35K-48-9-FA 4-0IWV-LED-4000L-DIM10-MVOLT-35K-80	LED 3500 KELVIN 4000 LUMENS 80 CRI	-	120	48	SURFACE CEILING	1X4 SURFACE WIDE BODY LED	
F4	METALUX LITHONIA DAY-BRITE LSI COLUMBIA ORACLE	24AC-LD4-48-UNV-L835-CD1-U 2RTL4-48L-EZ1-LP835 2DLG50L835-4-D-UNV ASC24-LED-HO-WW-UE LEPC24-35MLG-LL-EDU 24-NV-LED-5000L-DIM10-MVOLT-35K-80	LED 3500 KELVIN 4800 LUMENS 80 CRI	-	120	47.5	LAY-IN GRID	2X4 LED LAY-IN VOLUMETRIC	
F5	METALUX LITHONIA DAY-BRITE LSI COLUMBIA ORACLE	HBLED-LD5-12SE-W-UNV-L840-CD2-U IBG 12000LM SEF ACL CND MVOLT QZ10 40K 70CRI DWH FBX12L40-UNV XLHB2-2-S-LED-HO-WW-UE-XX LLHV4-35L-NST-EU CB4-LED-1200L-DIM10-MVOLT-W-40K-80	LED 4000 KELVIN 12000 LUMENS 80 CRI	-	120	109	PENDANT OR SURFACE	LED 2X4 HIGH BAY	
F6	HALO LITHONIA LIGHTOLIER WESTINGHOUSE PRESCOLITE SATCO	SMD6R6835WH FMML-7-8-30-WL S-5-R-8-35K-7 63221 LBSSLEDABL-30K-9-WH S9331	LED 3500 KELVIN 600 LUMENS 80 CRI	-	120	14	RECESSED	LED DOWNLIGHT SHOWER W/WHITE TRIM	
F7E	METALUX LITHONIA DAY-BRITE LSI VISIONEERING ORACLE	4BCLED-LD4-36SL-UNV-EL14W-L835-CD1-U WL4-30L-EZ1-LP835-EL14L CSW-48-28-35-UNV-DZT-ZO-EMLED W444-LED-SS-WW-UE-EM LCAD48-LED-8-35K-037L-UNV-B39 4-0W1B-LED-3000L-DIM10-MVOLT-35K-80-Q-EMG-LED	LED 3500 KELVIN 3000 LUMENS 80 CRI	-	120	37	SURFACE WALL	48" WALL MTD. LED WITH EMERGENCY BATTERY PACK	
F8	LUMARK LITHONIA PROLITE LSI HUBBELL RAYON	XTOR6B DSXW1LED-20C-700-50K-T3M-MVOLT PWPC50W-5K WPSLL-60-45K SG2-50-5K7-FT-UNV-CBA T228LED-50-UN112-S-CBA	LED 5000 KELVIN 4300 LUMENS 70 CRI	-	120	58	SURFACE WALL	LED SCNCE	
F8E	LUMARK LITHONIA PROLITE LSI HUBBELL RAYON	XTOR6B-CBP DSXW1LED-20C-700-50K-T3M-MVOLT-ELCW PWPC50W-5K WPSLL-60-45K-EB SG2-50-5K7-FT-UNV-CBA-E T228LED-50-UN112-S-CBA-EM	LED 5000 KELVIN 4300 LUMENS 70 CRI	-	120	58	SURFACE WALL	LED SCNCE WITH EMERGENCY BATTERY	
F9E	BROWNLEE LIGHTING ECLIPSE	2081-BN-812LED-RD2-50K-BLD-88H-ES SC-M-A-LED25W-5K-EBU-PNA-MSI2-07-REL82	LED 5000K 1422 LUMEN 80 CRI	-	120	25	SURFACE CEILING	14"-15" DIAMETER FLUSH MOUNT LED FIXTURE WITH BI-LEVEL DIMMING/INTEGRAL OCCUPANCY SENSOR CONTROL AND EMERGENCY BATTER PACK.	
EG	SURELITE LITHONIA LIGHTOLIER LSI DUAL-LITE MAXILUME	SEL17 ELM2 E611W LTEM-WH EZ-2 ELM-LED-861	INCLUDED	2	120	5.4	SURFACE WALL	2-HEAD EM WALL PACK (SURFACE)	
EX	SURELITES LITHONIA LIGHTOLIER LSI MAXILUME	LPX-70-DGWHDH LHQM-S-1-G-EL-N LC18NH71GW LPRX-G-U-WH-LD11 ELX-703-G-W	INCLUDED	2	120	5.4	SURFACE WALL	2-HEAD EM WALL PACK (SURFACE) WITH EXIT LIGHT	

FAULT CURRENT CALCULATION TABLE																	
MAIN UTILITY COMPANY TRANSFORMER			TRANSFORMER KVA		AFC AT UTILITY		%Z										
1Ø 120/240V -320A			75		36,000 A		1.50%										
CONFIGURATION					FEEDER			SYSTEM					FAULT CURRENT AT EQUIPMENT	FULL OR SERIES RATED	MINIMUM SYMMETRICAL EQUIPMENT AIC RATING		
FROM		TO		LENGTH	SOURCE FAULT CURRENT	FEEDER SIZE	FEEDERS PER PHASE	WIRE CONSTANT	LINE TO LINE VOLTS	XFMR SECONDARY VOLTS	PHASE	KVA				%Z	MOTOR LOAD
TRANSFORMER	UTILITY	SWITCHBOARD	METER	20'-0"	36,000 AIC	500 CU	1	26,706	240 V			1Ø	-		32,364 AIC	FULL	42,000 AIC
SWITCHBOARD	METER	PANELBOARD	A	50'-0"	32,364 AIC	600 CU	1	28,033	240 V			1Ø	-		26,089 AIC	FULL	42,000 AIC
NOTE: DISTANCES INDICATED ARE FOR FAULT-CURRENT ANALYSIS ONLY. CONTRACTOR SHALL USE FIELD MEASUREMENTS ESTABLISH CONDUCTOR LENGTHS FOR ORDERING PURPOSES.																	

PANEL SCHEDULE "A"																																									
VOLTAGE: 240 /120 VOLTS					BUS RATING (AMPS): 400										REMARKS:																										
MOUNTING: SURFACE					PHASE: 1					MAIN LUGS ONLY																															
ENCLOSURE: NEMA 1					WIRE: 3					SHORT CIRCUIT RATING: 42,000										AMPS (RMS-SYM) AFC 26,089																					
CIRCUIT BREAKER														FEEDER			CKT. LOAD			LOAD/PHASE (VA)			CKT. LOAD			FEEDER													CIRCUIT BREAKER		
No.	AMPS	POLE	MOD.	CIRCUIT NAME										C	WIRE	GRD	DEMAND FACTOR	WATTS	ØA	ØB	WATTS	DEMAND FACTOR	GRD	WIRE	C	CIRCUIT NAME										MOD.	POLE	AMPS			
1	40	2	-	CU-1										¾"	#8	#10	1.00	3,720	4,680			960	1.00	#12	#12	¾"	EC-1										-	2	20		
3	-	-	-											-	#8	-	1.00	3,720			4,680	960	1.00	-	#12	-											-	-	-		
5	30	1	-	F-1										¾"	#10	#10	1.00	1,920	2,400			480	1.00	#12	#12	¾"	P-1 & P-2										GFCI	1	20		
7	20	1	-	RCP-1 & MEZZANINE CO										¾"	#12	#12	1.00	960			2,136	1,176	1.00	#12	#12	¾"	UH-1										-	1	20		
9	20	1	-	BUS STORAGE CO										¾"	#12	#12	1.00	1,080	2,256			1,176	1.00	#12	#12	¾"	UH-2										-	1	20		
11	20	1	-	OFFICE 101 & CONF CO										¾"	#12	#12	1.00	1,440			2,400	960	1.00	#10	#10	¾"	EC-2										-	2	20		
13	20	1	GFCI	BREAKROOM REF										¾"	#12	#12	1.00	1,000	1,960			960	1.00	#10	#10	-											-	-	-		
15	20	1	-	BREAKROOM CO & KH-1										¾"	#12	#12	1.00	420			1,833	1,413	1.25	#12	#12	¾"	CHAPTER H 113 & BUS 112 LTS										EM	1	20		
17	20	1	-	BREAKROOM CO										¾"	#12	#12	1.00	180	1,273			1,093	1.25	#12	#12	¾"	MAIN LEVEL LTS										EM	1	20		
19	20	1	GFCI	BREAKROOM DISP & DW										¾"	#12	#12	1.00	1,000			1,671	671	1.25	#12	#12	¾"	EXTR & MEZZANINE LTS & EF-284										EM	1	20		
21	20	1	GFCI	EWC & RR CO										¾"	#12	#12	1.00	860	1,040			180	0.50	#12	#12	¾"	EXTERIOR DEDICATED CO										-	1	20		
23	20	1	-	FAMILY ROOM, HALL & CU CO										¾"	#12	#12	1.00	1,440			2,160	720	1.00	#12	#12	¾"	OFFICE 101 CO										-	1	20		
25	20	1	-	OFF. 114, JANITOR & STOR. 108 CO										¾"	#12	#12	1.00	1,440	3,840			2,400	1.00	#10	#8	¾"	RANGE										-	2	50		
27	20	1	-	CHAPTER HOUSE 113 CO										¾"	#12	#12	1.00	900			3,300	2,400	1.00	-	#8	-											-	-	-		
29	20	1	-	CHAPTER HOUSE 113 CO										¾"	#12	#12	1.00	360	1,860			1,500	1.00	#12	#12	¾"	N BLOCK HEATER CO										-	1	20		
31	20	1	-	CHAPTER HOUSE 113 CO										¾"	#12	#12	1.00	0.50	180			1,680	1,500	1.00	#12	#12	¾"	N BLOCK HEATER CO										-	1	20	
33	20	1	-	PHONE BOARD										¾"	#12	#12	1.00	0.50	360	1,860			1,500	1.00	#12	#12	¾"	S BLOCK HEATER CO										-	1	20	
35	20	1	-	DATA RACK										¾"	#12	#12	1.00	0.50	180			1,680	1,500	1.00	#12	#12	¾"	S BLOCK HEATER CO										-	1	20	
37	50	2	-	AIR COMPRESSOR AC-1										¾"	#8	#10	1.00	3,360	6,735			3,375	1.00	#10	#8	¾"	HOIST										-	2	50		
39	-	-	-											-	#8	-	1.00	3,360			6,735	3,375	1.00	-	#8	-											-	-	-		
41	20	1	-	BREAKROOM CO										¾"	#12	#12	1.00	180	4,080			3,900	1.00	#10	#8	¾"	SPECIALTY OUTLET										-	2	50		
43	20	1	-	UH-3										¾"	#12	#12	1.00	1,176			5,076	3,900	1.00	-	#8	-											-	-	-		
45	20	1	-	WH-1										¾"	#12	#12	1.00	100	994			894	1.25	#12	#12	¾"	RR & JANITOR LIGHTS										-	1	20		
47	20	1	-	SPARE														1.00			0		1.00				SPARE										-	1	20		
49	20	1	-	SPARE														1.00			0		1.00				SPARE										-	1	20		
51	20	1	-	SPARE														1.00			0		1.00				SPACE										-	-	-		
53	20	1	-	SPARE														1.00			0		1.00				SPACE										-	-	-		
NOTES:																																									
A. ALL INSULATION ON CONDUCTORS TO BE THHN UNLESS NOTED OTHERWISE.																																									
INSULATION ON ALL UNDERGROUND EXTERIOR CONDUCTORS SHALL BE THWV.																																									
B. LOAD DEMANDS CALCULATED AS PER SECTIONS 210 & 220 OF THE NATIONAL ELECTRICAL CODE.																																									
C. PANEL COVER SHALL BE FIELD MARKED FOR FLASH PROTECTION WITH A PERMANENT LABEL AS REQUIRED BY THE NATIONAL ELECTRICAL CODE SECTION 110. LABEL SHALL READ:																																									
"DANGER: POTENTIAL ARC FLASH HAZARD"																																									
D. ABBREVIATIONS: CO-CONVENIENCE OUTLET, RR-RESTROOM, (N)ORTH, (S)OUTH, (E)AST, (W)EST.																																									
															ØA			ØB			TOTALS																				
															32,978			33,351			66,329		CONNECTED LOAD (VA)																		
																		276					CONNECTED LOAD (A)																		
															227			341			568		DEMAND FACTOR ADJUSTMENTS (VA)																		
															33,204			33,692			66,896		TOTAL LOAD (VA)																		
															277			281					TOTAL LOAD (A)																		
																					281		MAXIMUM LOAD (A)																		
															50%			50%					PHASE BALANCE																		