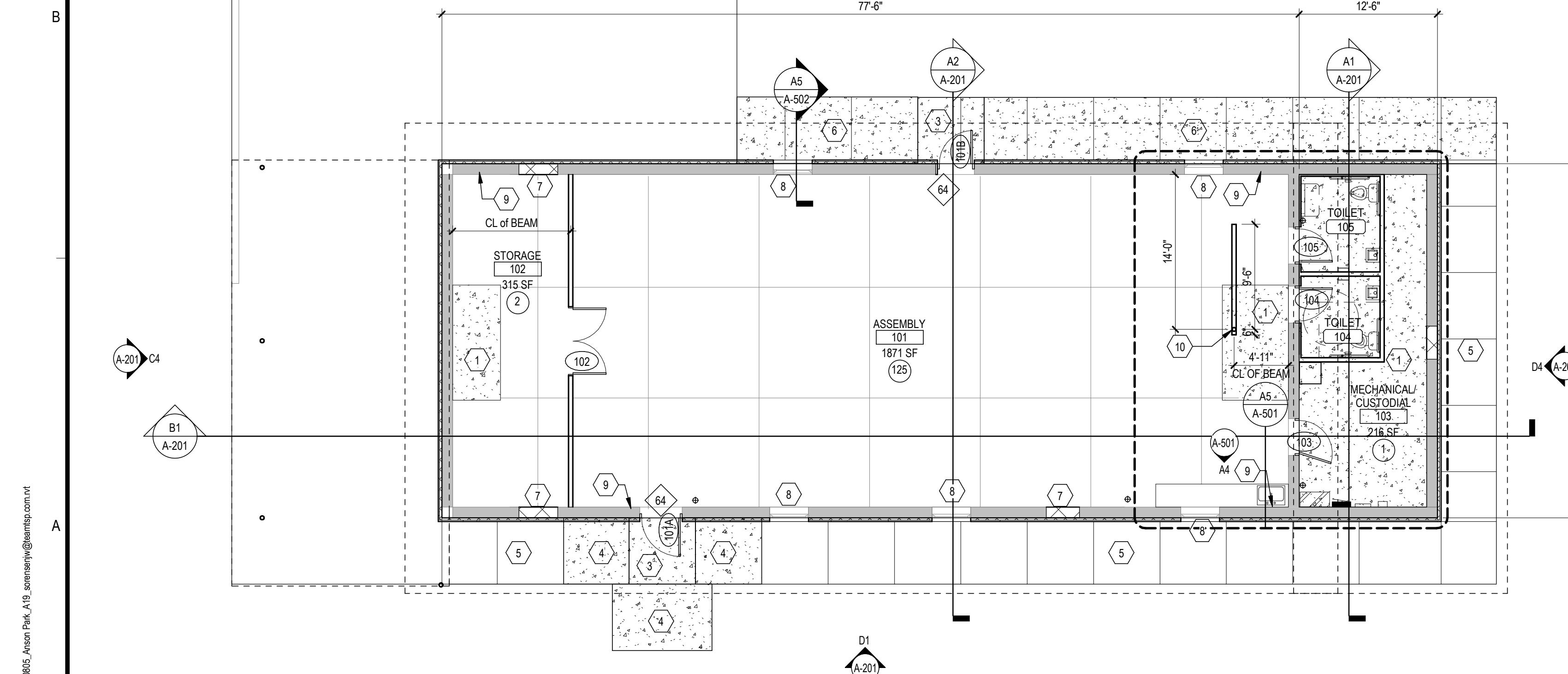


## C1 FIRST LEVEL DEMOLITION PLAN

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



## A1 FIRST LEVEL FLOOR PLAN

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

## SHEET GENERAL NOTES: DEMOLITION PLAN

A. DEMOLITION PORTIONS OF THE PLANS ARE PROVIDED FOR THE CONVENIENCE OF THE BIDDING PROCESS AND ARE NOT MEANT TO BE ALL-INCLUSIVE OF THE FULL SCOPE OF THE DEMOLITION EFFORT. OTHER ELEMENTS WITHIN THE DOCUMENTS THAT REQUIRE THE REMOVAL OF EXISTING CONSTRUCTION IN ORDER TO INSTALL THE NEW SCHEDULED MATERIAL SHALL BE CONSIDERED A PART OF THE SCOPE OF THE WORK UNDER THIS CONTRACT. UNLESS NOTED OTHERWISE, EXISTING WALLS ARE MASONRY.

B. G.C. SHALL COORDINATE DEMOLITION OPERATIONS WITH OTHER TRADES.

C. G.C. SHALL PROVIDE LIST OF EXISTING CONSTRUCTION ASSEMBLIES, INCLUDING SIZES AND LOCATIONS, THAT MUST BE CUT AND PATCHED TO FACILITATE THEIR WORK. THE GENERAL CONTRACTOR OR TRADES PROVIDING AND DETERMINING PORTIONS OF THE DEMOLITION ARE RESPONSIBLE FOR THE REMOVAL AND SPECIFICATIONS OTHERWISE THE SUB-BIDDER ACCEPTS RESPONSIBILITY OF PATCHING.

D. AT THE TIME THEY PRESENT THEIR PROPOSAL TO THE PRIME BIDDER (GENERAL CONTRACTOR), EACH SUB-BIDDER (TRADE) SHALL PROVIDE A LIST OF EXISTING CONSTRUCTION ASSEMBLIES, INCLUDING SIZES AND LOCATIONS, THAT MUST BE CUT AND PATCHED TO FACILITATE THEIR WORK. THE GENERAL CONTRACTOR OR TRADES PROVIDING AND DETERMINING PORTIONS OF THE DEMOLITION ARE RESPONSIBLE FOR THE REMOVAL AND SPECIFICATIONS OTHERWISE THE SUB-BIDDER ACCEPTS RESPONSIBILITY OF PATCHING.

E. DEMOLITION OF PLUMBING FIXTURES AND MECHANICAL EQUIPMENT AND ASSOCIATED PIPING SHALL BE BY M.C. G.C. SHALL PROVIDE PATCH TO MATCH AS REQUIRED DUE TO MECHANICAL DEMOLITION OPERATIONS. PATCHING SHALL INCLUDE FINISH TO MATCH EXISTING WHERE NEW FINISH IS NOT OTHERWISE SCHEDULED. REFERENCE MECHANICAL DEMOLITION SHEETS.

F. DEMOLITION OF ELECTRICAL FIXTURES AND EQUIPMENT AND ASSOCIATED CIRCUITING SHALL BE BY E.C. G.C. SHALL PROVIDE PATCH TO MATCH AS REQUIRED DUE TO ELECTRICAL DEMOLITION OPERATIONS. PATCHING SHALL INCLUDE FINISH TO MATCH EXISTING WHERE NEW FINISH IS NOT OTHERWISE SCHEDULED. REFERENCE ELECTRICAL DEMOLITION SHEETS.

G. FOLLOWING SELECTIVE DEMOLITION, THE G.C. SHALL PREPARE ADJACENT SURFACES THAT REMAIN FOR INTEGRATION INTO THE NEW WORK AND PATCH BACK ADJACENT SURFACES WHERE IT APPLIES.

## KEY NOTES: DEMOLITION PLAN

1. PROVIDE TEMPORARY SHORING AND DEMO CANOPY AS HATCHED AND ALL ASSOCIATED COLUMNS. SALVAGE EXISTING BEAM TO BE REINSTALLED AT NEW CANOPY EDGE.
2. DEMO HATCHED PORTION OF EXISTING CANOPY.
3. DEMO EXISTING SIDEWALK AS NEED TO INSTALL NEW ELECTRICAL SERVICE/METER AND GROUNDING.
4. DEMO EXISTING SIDEWALKS AS NEED TO INSTALL NEW STOOP. DEMO BACK TO NEAREST CONCRETE JOINT.
5. DEMO EXISTING CONCRETE TOPPING RAMPS AND FORMER DOOR LOCATIONS. EXISTING SIDEWALK TO REMAIN.
6. UNDER ALTERNATE #2 DEMO EXISTING SIDEWALKS ON THE NORTH AND EAST SIDES OF THE BUILDING.
7. DEMO EXISTING DOOR AND FRAME.
8. DEMO EXISTING WINDOW AND ALL ASSOCIATED TRIM.
9. UNDER ALTERNATE #1 DEMO EXISTING WINDOW AND ALL ASSOCIATED TRIM.
10. DEMO EXISTING EXHAUST FAN AND LOUVER.
11. DEMO EXISTING WALL HUNG COUNTERTOP.
12. DEMO EXISTING BASE CABINET, SINK, & WATER HEATER. REF MECHANICAL.
13. DEMO EXISTING MASONRY FIREPLACE AND CHIMNEY UP THROUGH THE ROOF IN ENTIRETY. PREP FOR NEW CONCRETE SLAB ON GRADE.
14. DEMO EXISTING CMU WALL.
15. CUT NEW DOOR OPENING IN EXISTING CMU WALL, OVERCUT 8" EACH SIDE.
16. DEMO EXISTING PLUMBING FIXTURES, PARTITIONS, AND ACCESSORIES.
17. DEMO EXISTING SLAB ON GRADE AS NEEDED FOR NEW SUB SLAB PLUMBING ROUGH IN. REF MECHANICAL.
18. AFTER DEMO OF EXISTING METAL FASCIA INSPECT WOOD FASCIA FOR ROT. INCLUDE 75 LF OF DEMO AND REPLACEMENT IN BASE BID. EXISTING CANOPY JOIST MAY BE SALVAGED FOR USE AS REPLACEMENT FASCIA BEAMS.

## SHEET GENERAL NOTES: FLOOR PLAN

A. THE SET OF DOCUMENTS FOR THIS PROJECT INCLUDES DRAWINGS AS REPRESENTED HEREIN AND A PROJECT MANUAL EACH WITH EQUAL WEIGHT OF IMPORTANCE.

B. PROVIDE BLOCKING AS REQUIRED FOR MOUNTING ALL ACCESSORIES, CASEWORK, HARDWARE, ETC.

C. THE G.C. SHALL PROVIDE ALL CHASES, SLOTS, OPENINGS, ETC. AS REQUIRED FOR THE WORK OF ALL TRADES, AND SHALL PROVIDE PATCHING TO MATCH EXISTING ADJACENT CONSTRUCTION INCLUDING FINISHES. COORDINATE WITH ALL OTHER TRADES. NOTE THAT THIS SHALL INCLUDE EXISTING CONSTRUCTION WHERE ACCESS IS REQUIRED TO ACCOMPLISH THE WORK. NOTE THAT EACH TRADE SHALL PROVIDE THEIR OWN CORE DRILLING AS REQUIRED TO ACCOMPLISH THEIR WORK. CONTACT ARCHITECT FOR APPROVAL OF THE LOCATION OF HOLES CORED THROUGH STRUCTURAL ELEMENTS, DUCTS, PIPING, CABLEING, ETC. SHALL BE APPROPRIATELY SEALED WITH REGARD TO FIRE/SMOKE RATED ASSEMBLIES AND/OR ACOUSTICS BY THE TRADE PROVIDING THEM. REFERENCE SPECIFICATION SECTION 017329 CUTTING AND PATCHING.

D. SET VALVE LOCATIONS AND INFILTRATION BARRIER AT LAPS, PENETRATIONS, AND PERFORATIONS TO MAINTAIN THEIR FUNCTIONS AS BARRIERS.

E. DIMENSIONS ARE TO FACE OF MASONRY. EDGE OF MASONRY OPENING CENTERLINE OF METAL STUD WALL. CENTERLINE OF STUD WALL OPENING, OR FACE OF OTHER FINISHED SURFACES.

F. ALL DIMENSIONS SHOULD BE VERIFIED WITHIN THE CONFINES OF EXTERIOR WALLS TO ENSURE ALIGNMENT AS INDICATED WITHIN THE PLAN. NOTIFY ARCHITECT IF ANY DISCREPANCIES OCCUR FROM THE ANTICIPATED WALL LAYOUT.

G. PROVIDE APPROPRIATE METAL DRYWALL ACCESSORIES SUCH AS METAL CORNER BEAD AND "J" MOLD AT ALL GYPSUM BOARD EDGES & CORNERS AND WHERE GYPSUM BOARD ABUTS DRYWALL CONTROL JOINTS. PROVIDE SEALANT AS APPROPRIATE.

H. DRYWALL CONTROL JOINTS SHALL BE INSTALLED AT BOTH SIDES OF ALL GYPSUM BOARD OPENINGS ON EACH SIDE OF THE WALL.

I. ALL FLOORS SHALL BE TAPERED TO FLOOR DRAINS IN THE IMMEDIATE AREA ONLY EXCEPT WHEN SCREEN LINES ARE INDICATED ON THE PLAN. TAPERED SLABS ON GRADE SHALL MAINTAIN THEIR FULL THICKNESS AT ALL POINTS.

J. THE G.C. SHALL COORDINATE WITH ALL TRADES TO ACCOMMODATE INSTALLATION OF EQUIPMENT AND DEVICES.

K. ALL H.M. AND ALUMINUM FRAMES SHALL HAVE RUBBER ROD AND FULL PERIMETER CAULK EACH SIDE. ALL HOLLOW METAL FRAMES SHALL HAVE BITUMINOUS COATING ON THE INSIDE. ALL HOLLOW METAL FRAMES SHALL BE GROUTED FULL AT MASONRY WALLS.

L. NEW SIDEWALKS SHALL BE 4" THICK WITH 6x6 V1.4Wx1.4 H.W. & BROOM FINISH OVER 4" MIN GRANULAR FILL. LOCATE CONTROL JOINTS AT 6'-0" OC MAX. SIDEWALKS SHALL PITCH LONGITUINALLY NO GREATER THAN 1 IN 20 NOR CROSS PITCH GREATER THAN 1 IN 50.

## KEY NOTES: FLOOR PLAN

1. NEW CONCRETE SLAB ON GRADE.
2. PATCH 4" CONCRETE SLAB ON GRADE AT REMOVED COLUMN LOCATIONS.
3. NEW 6'-0" x 6'-0" CONCRETE STOOP. REFERENCE DETAILS.
4. PATCH EXISTING SIDEWALKS BACK TO NEW STOOP.
5. UNDER ALTERNATE #2 PROVIDE NEW 6'-0" WIDE SIDEWALKS ON NORTH AND EAST SIDES OF BUILDING.
6. NEW 6'-0" WIDE SIDEWALKS ON WEST SIDE OF BUILDING CONNECTING EXISTING PATIO TO NORTH SIDEWALL.
7. FILL 4' x 4' ABANDONED DOOR, WINDOW, EXHAUST FAN AND OTHER MISCELLANEOUS OPENINGS WITH 12" CMU TO MATCH EXISTING CONSTRUCTION.
8. UNDER ALTERNATE #1 PROVIDE NEW DOUBLE HUNG FIBERGLASS WINDOW AND METAL SCREEN CUT AND REPAIR EXISTING MORTAR JOINTS IN EXISTING 12" CMU, INTERIOR AND EXTERIOR.
9. CUT AND REPAIR EXISTING MORTAR JOINTS IN EXISTING 12" CMU, INTERIOR AND EXTERIOR.
10. PROVIDE 75'-0" OF TUCKPOINTING IN BASE BID.
11. NEW 3" STEEL PIPE COLUMN. REF FOOTING DETAIL #A-502

## PROJECT ADDRESS:

917 S 4th AVE,  
MARSHALLTOWN, IA 50158

## GOVERNING CODES:

BUILDING: INTERNATIONAL BUILDING CODE 2015 (IOWA)  
 ACCESSIBILITY: IAC-661-302 / 2010 ADA STANDARDS (IOWA)  
 FIRE/LIFE SAFETY: INTERNATIONAL FIRE CODE 2015 (IOWA)  
 NFPA LIFE SAFETY CODE 2012  
 MECHANICAL: INTERNATIONAL MECHANICAL CODE 2018 (IOWA)  
 PLUMBING: UNIFORM PLUMBING CODE 2018 & IAC 641-25 (IOWA)  
 ENERGY: INTERNATIONAL ENERGY CODE 2012 (IOWA)  
 ELECTRICAL: NATIONAL ELECTRICAL CODE 2020 (IOWA)

## PROJECT SUMMARY

RENOVATION OF THE EXISTING SHELTER AT ANSON PARK. INCLUDING BUT NOT LIMITED TO ROOF REPLACEMENT, NEW FAÇADE, NEW ELECTRICAL &amp; LIGHTING SYSTEMS, NEW MECHANICAL AND PLUMBING, AND NEW INTERIOR FINISHES.

## CODE SUMMARY

## CHAPTER 3

Occupancy Classification: A-3 ASSEMBLY (COMMUNITY HALL)

## CHAPTER 5

Allowable Height: IBC Table 504.3 - 40 ft  
IBC Table 504.4 - 1 stories  
Actual Height: Total Building Height = 13'-0" = 1 StoriesAllowable Area (per level): Table 506.2 = 6,000 sf  
Frontage Increase (506.3): not needed  
Actual Areas: 2,640 sf  
Occupancy Separation (table 508.4): none

## CHAPTER 6

Type of Construction: Type V-B

## Fire resistive Rating Requirements (Table 601):

Building Element	Rating (in hours)
Structural Frame	0
Exterior Bearing Walls (per table 602)	0
Interior Bearing Walls	0
Exterior Non Bearing Walls (per table 602)	0
Interior Non Bearing Walls	0
Floor Construction	0
Roof Construction	0

## CHAPTER 9

Non Sprinklered  
Fire Areas (Section 903.2.3): Fire areas less than 12,000 sf

## CHAPTER 10

Egress Width (Section 1005): Stairs = Occupancy x 0.3  
Other = Occupancy x 0.2Travel Distance (Table 1017.2): A-3 250 Feet  
Common Path Travel Distance (Table 1006.3): 75'-0"

Corridors (Table 1020.1): A-3 occupancy without sprinkler system require 1 hr corridors



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CITY OF  
MARSHALLTOWN  
ANSON PARK SHELTER  
RENOVATION  
B #PRK2001  
MARSHALLTOWN, IOWA

ISSUES

## PLUMBING FIXTURE REQUIREMENTS

## CHAPTER 29

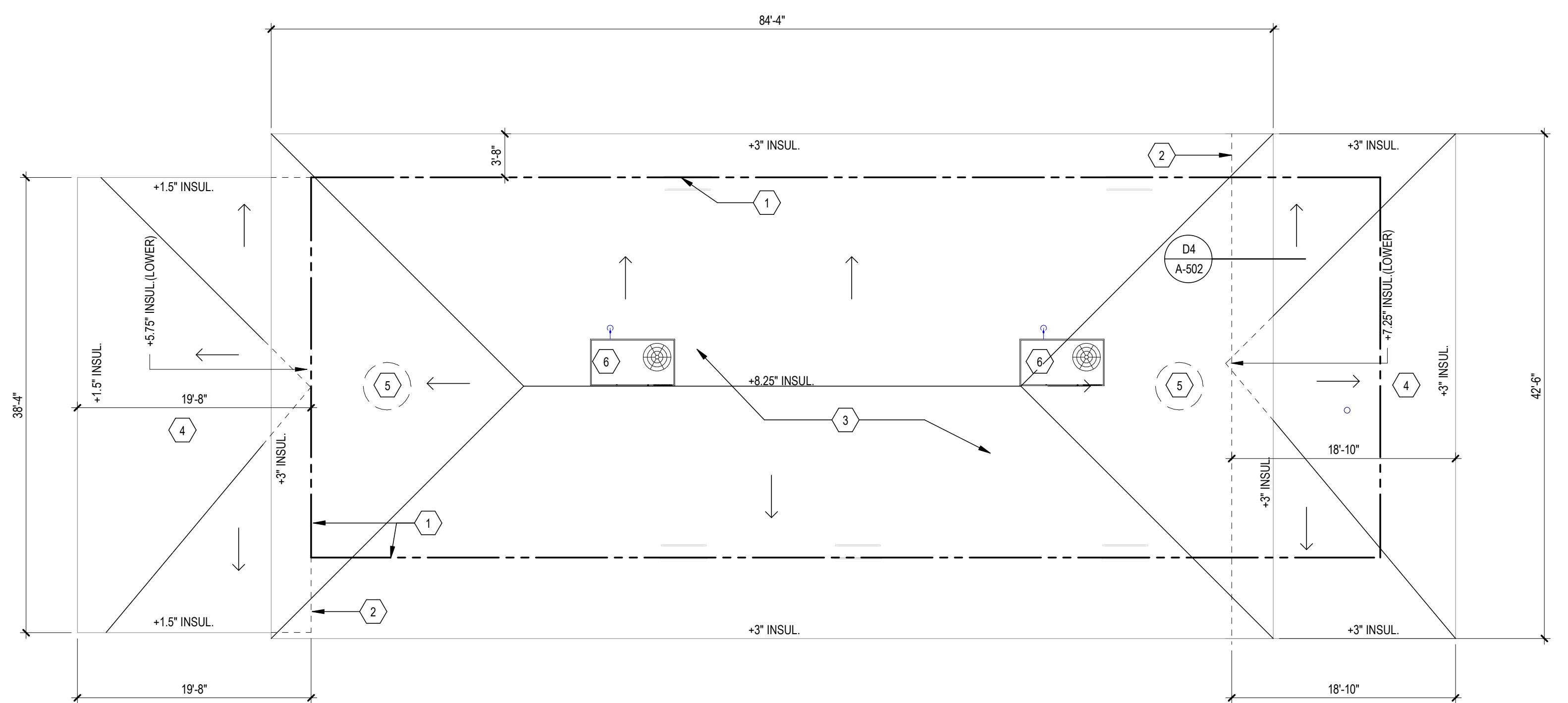
IBC Table 2902.1 - A-3 - W.C. = M-1/125, W-1/65; LAV=1/200

W.C.	MEN = 64cc. WOMEN=64cc.	LAV	W.C.(1/125) = 0.51 W.C.(1/65) = 0.98	LAV(1/200) = 0.32 LAV(1/200) = 0.32
TOTALS:				
			W.C. = 1.49	LAV = 0.64

W.C.	Actual	LAV	Service Sink - 1
Gender Neutral - 2		Gender Neutral - 2	

ISSUE DATE: 04/20/2021  
DRAWN BY: JWS  
PROJECT #: 01190805  
CHECKED BY: JWS  
SHEET TITLE: DEMOLITION PLAN & FLOOR PLAN

SHEET NUMBER: A-101



C1 ROOF PLAN

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

## SHEET GENERAL NOTES:

ROOF PLAN

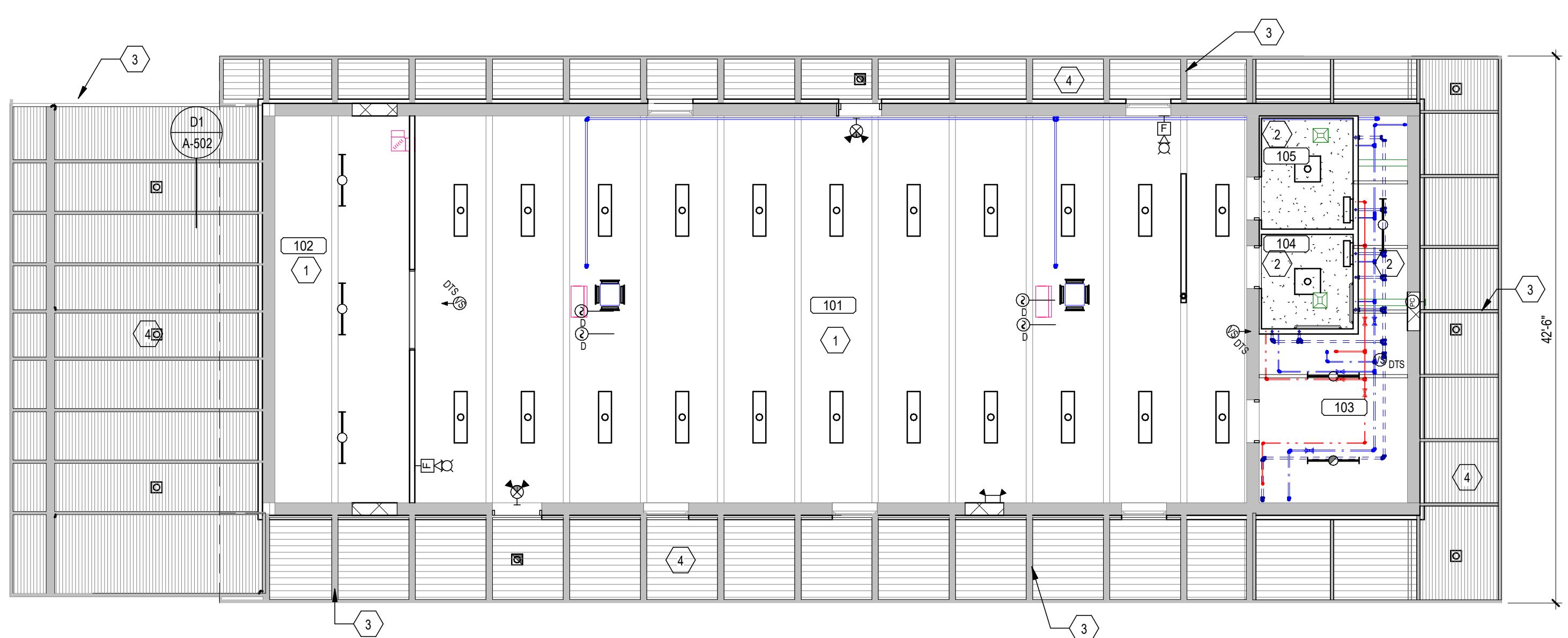
- A. THE SET OF DOCUMENTS FOR THIS PROJECT INCLUDES DRAWINGS AS REPRESENTED HEREIN AND A PROJECT MANUAL, EACH WITH EQUAL WEIGHT OF IMPORTANCE.
- B. THE CONTRACTOR SHALL FIELD VERIFY ALL CURB AND ROOF PENETRATION LOCATIONS AND QUANTITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FLASHING SAME AT NO ADDITIONAL COST TO THE OWNER, UNLESS NOTE OR DETAILED OTHERWISE, FLASH ACCORDING TO MANUFACTURER'S STANDARD DETAILS.
- C. WHERE INSULATION THICKNESS NECESSitates IT, EXTEND EXISTING ROOF CURBS WITH TREATED WOOD BLOCKING. WHERE APPLICABLE, ALSO PROVIDE MECHANICAL AND ELECTRICAL EXTENSIONS.
- D. THE CONTRACTOR SHALL TAKE CARE NOT TO OVERLOAD THE ROOF DECK WITH STOCKPILED MATERIALS.
- E. ALL WOOD CURBS AND BLOCKING SHALL BE PRESSURE TREATED AS SPECIFIED. UNLESS NOTED OTHERWISE, ANCHOR ALL WOOD BLOCKING WITH 1/4" TAPCON SCREWS 12" O.C.
- F. STAGGERED JOINTS.
- G. THE CONTRACTOR IS RESPONSIBLE FOR DAILY WATER CUT-OFF AND TEMPORARY BALLAST TO SEAL UNFINISHED WORK IN THE EVENT OF INCLEMENT WEATHER.
- H. THE CONTRACTOR SHALL COMPLETELY SEAL THE VAPOR BARRIER AT SIDE AND END LAPS, ROOF PERIMETERS, AND ROOF PENETRATIONS.
- I. SEPARATE LAYERS OF INSULATION SHALL BE LAID WITH JOINTS STAGGERED.
- J. SEALANTS AT CLAMPING BARS AND OTHER FLASHINGS RELATED TO THE ROOF SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR INSTALLING THE ROOF SYSTEM. SEALANTS AND FLASHINGS SHALL BE APPROVED BY THE ROOF MEMBRANE MANUFACTURER.
- K. CONDENSING UNITS (CU) BY M.C. SHALL BE SET ON 6x6 REDWOOD SKIDS BY M.C. G.C. SHALL PROVIDE STRIPS OF WALKWAY PAD ADHERED TO BOTTOM OF SKIDS.
- L. M.C. SHALL PROVIDE PREFABRICATED ROOF CURBS FOR MECHANICAL ROOF PENETRATIONS. G.C. SHALL INSTALL AND FLASH.

## KEY NOTES:

ROOF PLAN

- 1. PERIMETER OF BUILDING BELOW.
- 2. EDGE OF CANOPY BELOW.
- 3. UPPER ROOF: REMOVE EXISTING ROCK BALLAST, EPDM INSULATION, ALL METAL ROOF EDGE AND FASCIA. IF ORIGINAL 'BUR' REMAINS, REMOVE LOOSE GRAVEL.
- 4. LOWER ROOF: REMOVE ALL ROOF EDGE AND FASCIA. REMOVE ALL LOOSE GRAVEL FROM EXISTING 'BUR'.
- 5. DEMO EXISTING BRICK CHIMNEY AND PATCH HOLE WITH NEW WOOD DECKING.
- 6. ALTERNATE #3, NEW ROOFTOP MECHANICAL UNIT.

CONSULTANTS



A

A1 FIRST LEVEL CEILING PLAN

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

1

2

3

4

5



PLAN NORTH

## SHEET GENERAL NOTES:

CEILING PLAN

## SHEET GENERAL NOTES:

CEILING PLAN

- A. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS WHICH ARE TO MATCH EXISTING CONSTRUCTION. CONTACT A/E WITH DISCREPANCIES.
- B. UNLESS NOTED OR DETAILED OTHERWISE, SUSPENDED DRYWALL SYSTEM SHALL INCORPORATE CEILING SUSPENSION SYSTEM (DRYWALL) AND 5/8" GYPSUM BOARD FINISHED AND PAINTED AS SPECIFIED, INCLUDING ALL APPROPRIATE ACCESSORIES, CONTROL JOINTS, CORNER BEADS, & MOLDINGS.
- C. SEE ALSO MECHANICAL & ELECTRICAL DRAWINGS FOR OTHER CEILING PENETRATIONS. FINAL LOCATIONS OF ALL CEILING PENETRATIONS SHALL BE COORDINATED BY THE GENERAL CONTRACTOR IN THE FIELD.
- D. ALL SUSPENDED CEILING SYSTEMS SHALL BE ATTACHED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS TO STRUCTURAL FRAMING AND IN ABSENCE OF SAME TO SUB-FRAMING PROVIDED BY THE CONTRACTOR AND ATTACHED TO THE STRUCTURAL FRAME.
- E. COORDINATE AND SCHEDULE ABOVE CEILING WORK BY OWNER OR BY OTHERS WITH CEILING INSTALLATION.
- F. LOCATIONS OF OCCUPANCY SENSORS ARE NOT SHOWN. CONTRACTOR SHALL COORDINATE THEIR LOCATIONS IN COMPLIANCE WITH ELECTRICAL SPECIFICATIONS AND DRAWINGS.
- G. ALL CEILING MOUNTED ITEMS SUCH AS LIGHT FIXTURES, GRILLES, DIFFUSERS, SPEAKERS, EXIT LIGHTS ETC. SHALL BE LOCATED IN THE CENTER OF ACTACE PANELS. GYP BD SOFFITS AND/OR PLASTER SOFFIT BAYS, UNLESS NOTED OTHERWISE. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS.

## KEY NOTES:

CEILING PLAN

- 1. INTERIOR PREP AND PAINTING BY OWNER.
- 2. NEW GYPSUM BOARD CEILING -PAINTED BY OWNER.
- 3. PREP AND PAINT ALL EXISTING EXTERIOR WOOD BEAMS AND STEEL COLUMNS. COLORS TO BE SELECTED POST BID.
- 4. NEW VENTED METAL SOFFIT PANELS, REFERENCE SPECIFICATION & DETAILS.

ISSUES

ISSUE	DATE	DESCRIPTION
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ISSUE DATE 04/20/2021 DRAWN BY JWS

PROJECT # 01190805 CHECKED BY JWS

SHEET TITLE

REFLECTED CEILING  
PLAN & ROOF PLAN

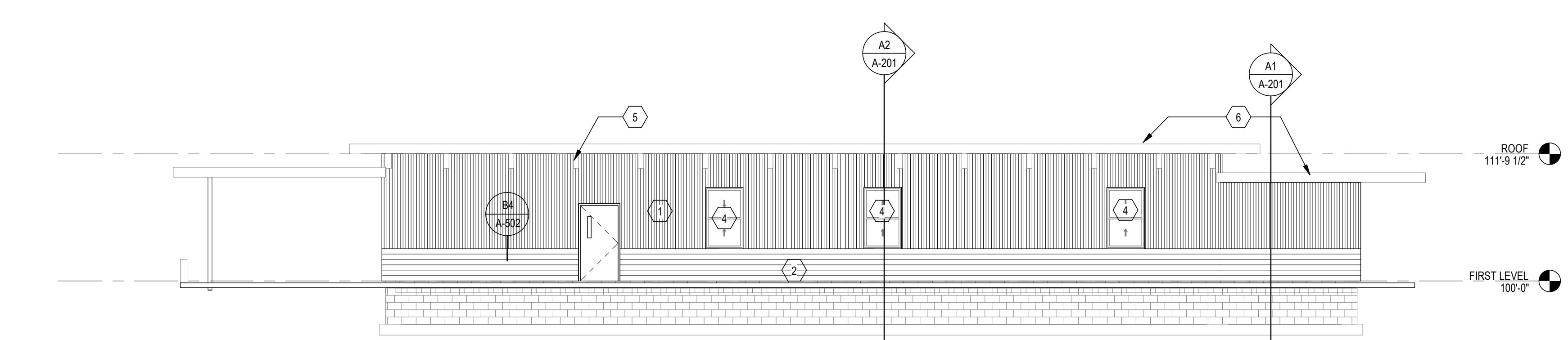
SHEET NUMBER

A-102



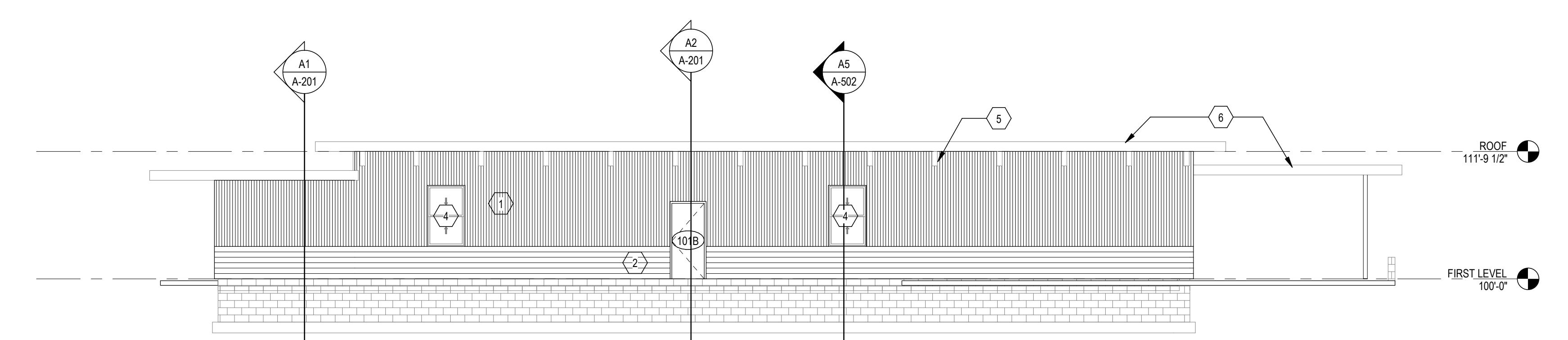
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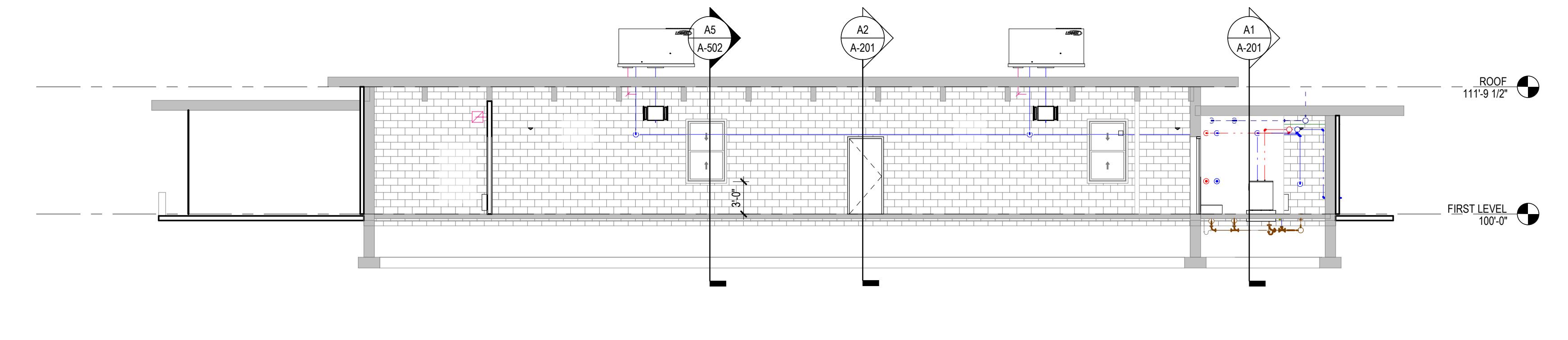
D1 EAST ELEVATION

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



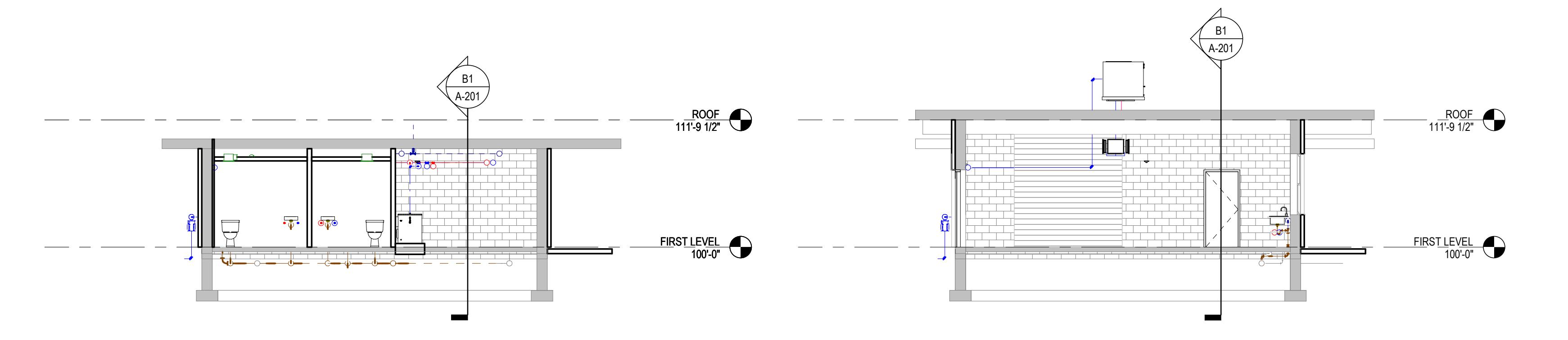
C1 WEST ELEVATION

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



B1 BUILDING SECTION - N/S

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



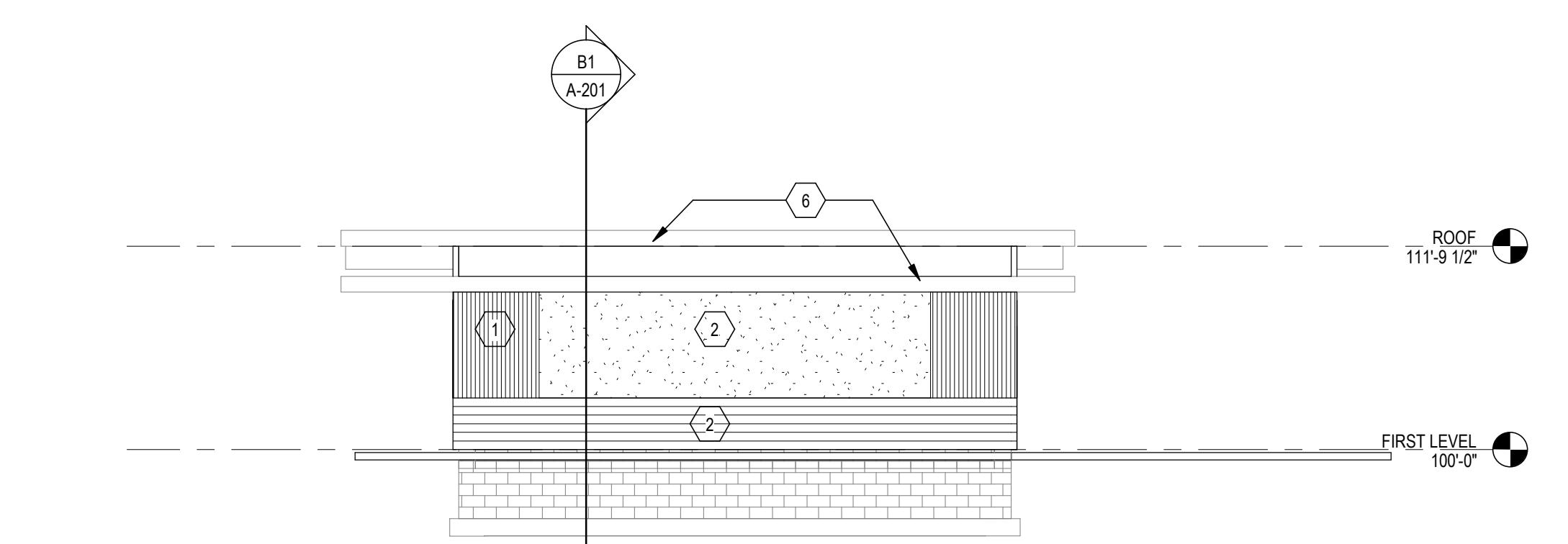
A1 BUILDING SECTION - E/W @ RESTROOMS

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



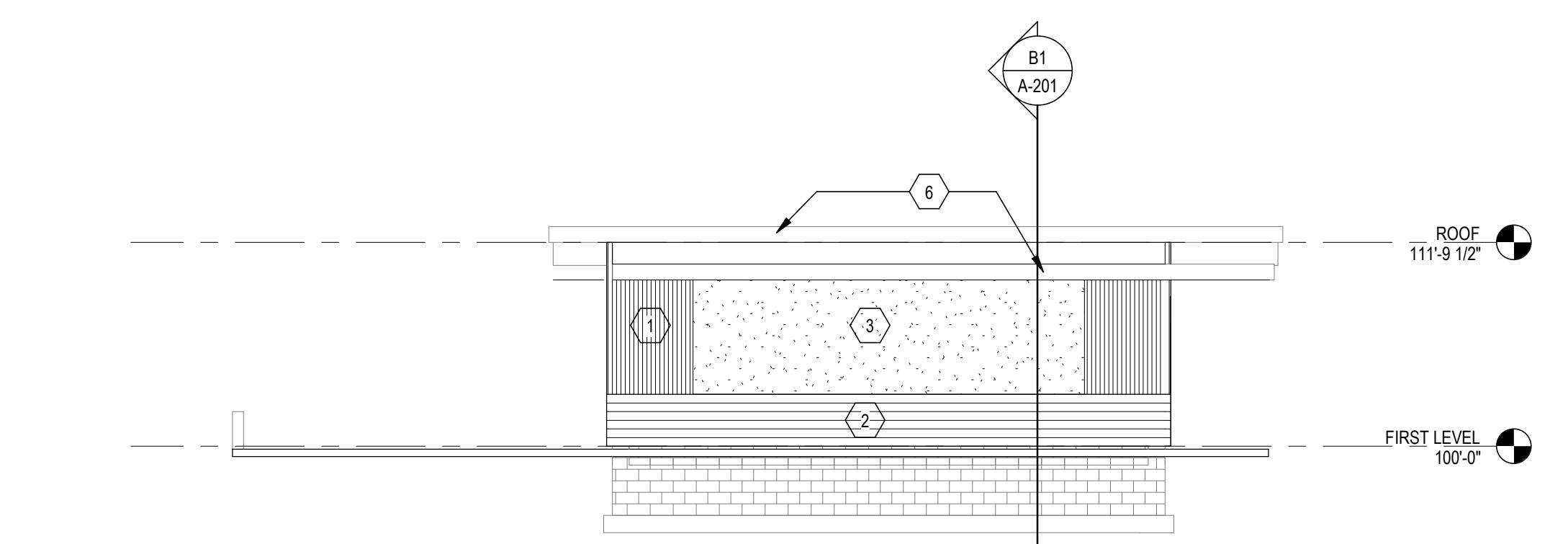
A2 BUILDING SECTION - E/W @ COMMUNITY HALL

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



D4 NORTH ELEVATION

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



C4 SOUTH ELEVATION

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

## SHEET GENERAL NOTES: EXTERIOR ELEVATIONS

- A. APPLY SEALANT AND BACKER ROD TO ALL JOINTS BETWEEN DISSIMILAR MATERIALS.
- B. ALL SURFACES DAMAGED DURING DEMOLITION SHALL BE REPAIRED FOR APPLICATION OF NEW FINISHES OR PATCHED TO MATCH EXISTING.
- C. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS WHICH ARE TO MATCH EXISTING CONSTRUCTION. CONTACT A/E WITH DISCREPANCIES.

## KEY NOTES: EXTERIOR ELEVATIONS

1. VERTICAL RIB EXPOSED FASTENER METAL WALL PANELS. (E2)
2. REAR-VENTED WOOD FAÇADE SYSTEM. (E1)
  - A. UNDER ALTERNATE #4 PROVIDE STAINED CEDAR DECKING IN LIEU OF COMPOSITE DECKING SYSTEM.
3. DIRECT APPLIED FINISH SYSTEM (STUCCO) (E3)
4. UNDER ALTERNATE #1 PROVIDE NEW FIBERGLASS WINDOWS WITH STEEL SECURITY SCREENS.
5. REPAINT ALL EXPOSED WOOD BEAMS & BACKSIDE OF WOOD FASCIA
6. NEW PREFINISHED METAL ROOF EDGE AND FASCIA

PROJECT  
**CITY OF MARSHALLTOWN ANSON PARK SHELTER RENOVATION**  
**#PRK20001**  
 MARSHALLTOWN, IOWA

ISSUES

ISSUE	DATE	DESCRIPTION
ISSUE DATE 04/20/2021	DRAWN BY JWS	
PROJECT # 01190805	CHECKED BY JWS	
SHEET TITLE		

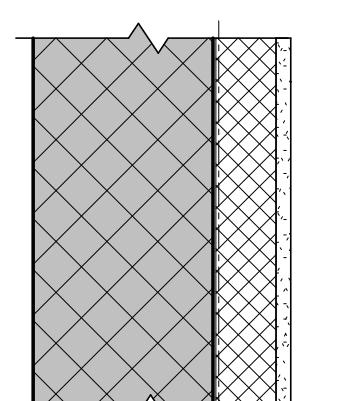
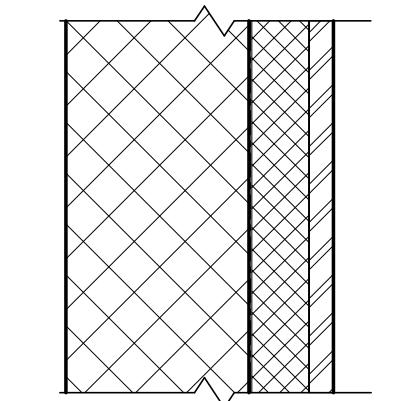
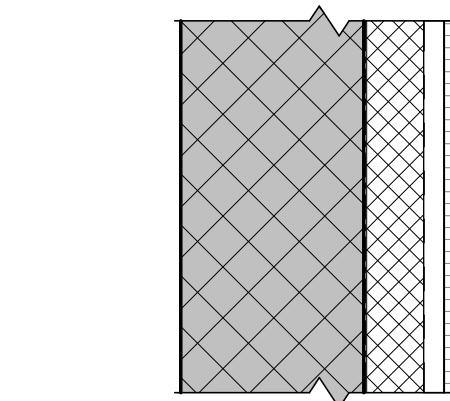
## EXTERIOR ELEVATIONS

A

NOTE: NOT ALL KEYNOTES MAY BE USED ON EACH PLAN

**A-201**

1



E1 EXTERIOR WALL CMU WITH WOOD SIDING

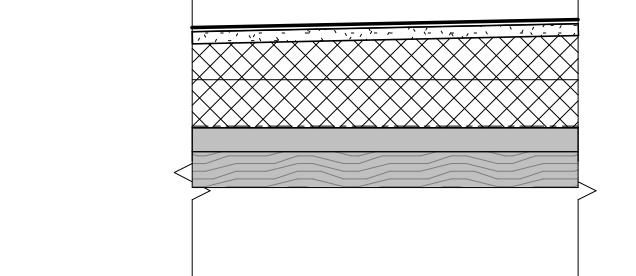
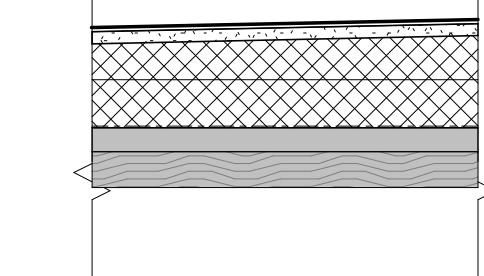
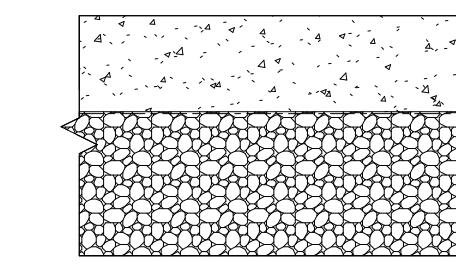
E2 EXTERIOR WALL CMU WITH METAL PANELS

E3 EXTERIOR WALL CMU WITH EIFS

WALL ASSEMBLY  
 - EXISTING CMU  
 - NEW FLUID AIR/VAPOR BARRIER  
 - 2 1/2" RIGID INSULATION  
 - Z FURRING -HORIZONTAL @24" OC  
 - 7/8" HAT CHANNELS  
 - WOOD SIDING

WALL ASSEMBLY  
 - EXISTING CMU  
 - NEW FLUID AIR/VAPOR BARRIER  
 - 2 1/2" RIGID INSULATION  
 - Z FURRING -HORIZONTAL @24" OC  
 - MTL WALL PANELS

WALL ASSEMBLY  
 - EXISTING CMU  
 - NEW FLUID AIR/VAPOR BARRIER  
 - 2 1/2" RIGID INSULATION  
 - Z FURRING -HORIZONTAL @24" OC  
 - 5/8" GYPSUM SHEATHING  
 - STUCCO FINISH -SMOOTH



F1 FLOOR CONSTRUCTION

R1 ROOF CONSTRUCTION

R2 ROOF CONSTRUCTION

FLOOR ASSEMBLY:  
 - 4" REINFORCED CONCRETE SLAB  
 - CLASS 1 VAPOR BARRIER  
 - DRAINAGE FILL

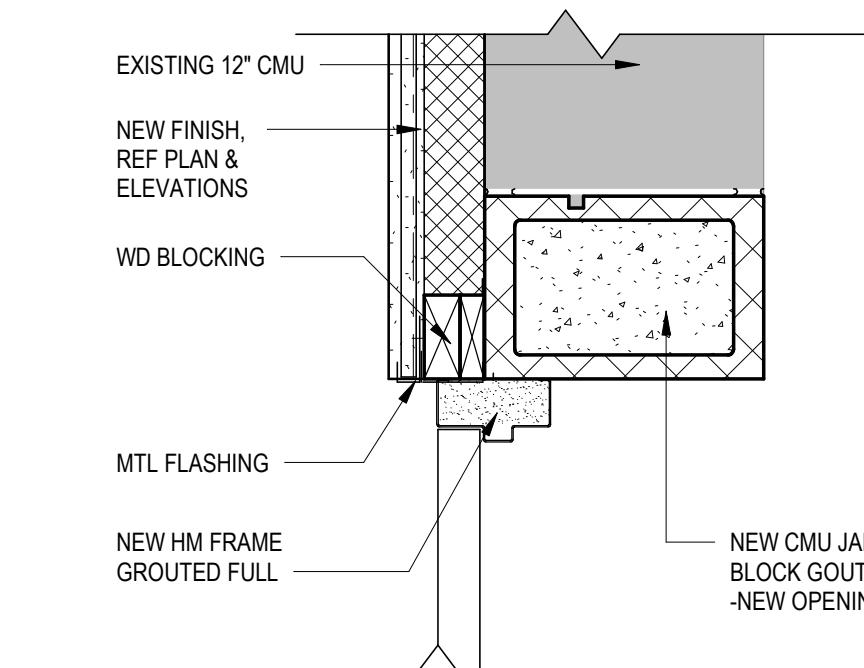
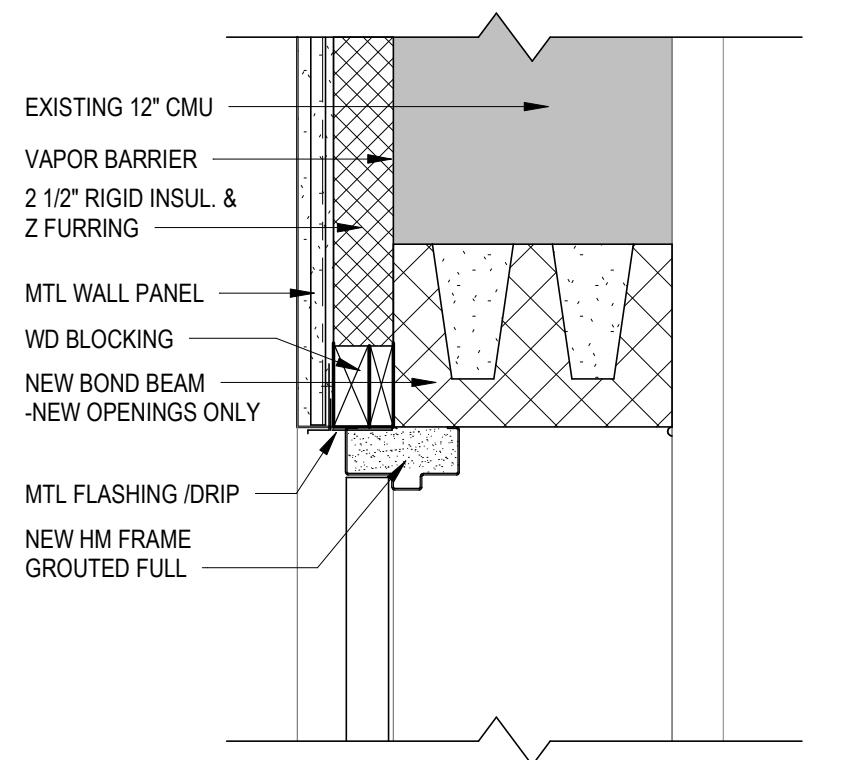
ROOF (FUTURE FLOOR) ASSEMBLY:  
 - 1/2" COVER BOARD  
 - TAPERED POLYISO ROOF INSULATION (MIN R-30)  
 - 1" INSUL. BUR (EXISTING)  
 - WOOD DECK (EXISTING)  
 - WOOD BEAMS (EXISTING)

ROOF (FUTURE FLOOR) ASSEMBLY:  
 - ADHERED TPO ROOFING MEMBRANE  
 - 1/2" COVER BOARD  
 - TAPERED POLYISO ROOF INSULATION (MIN R-30)  
 - 1" INSUL. BUR (EXISTING)  
 - WOOD DECK (EXISTING)  
 - WOOD BEAMS (EXISTING)

LEGEND - CONSTRUCTION TYPES<sup>1</sup>

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

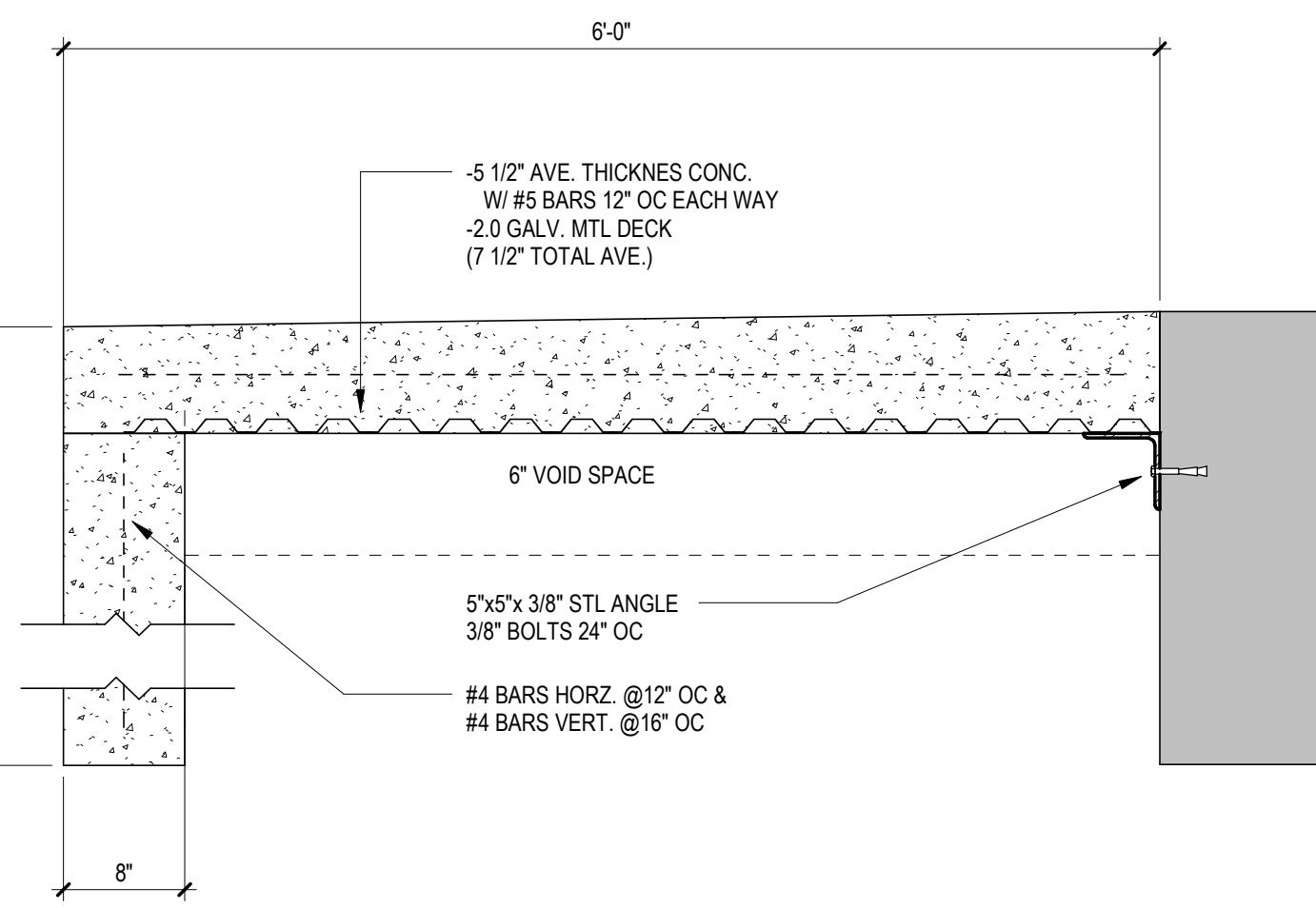
1



B1 DOOR HEAD @ NEW OPENING

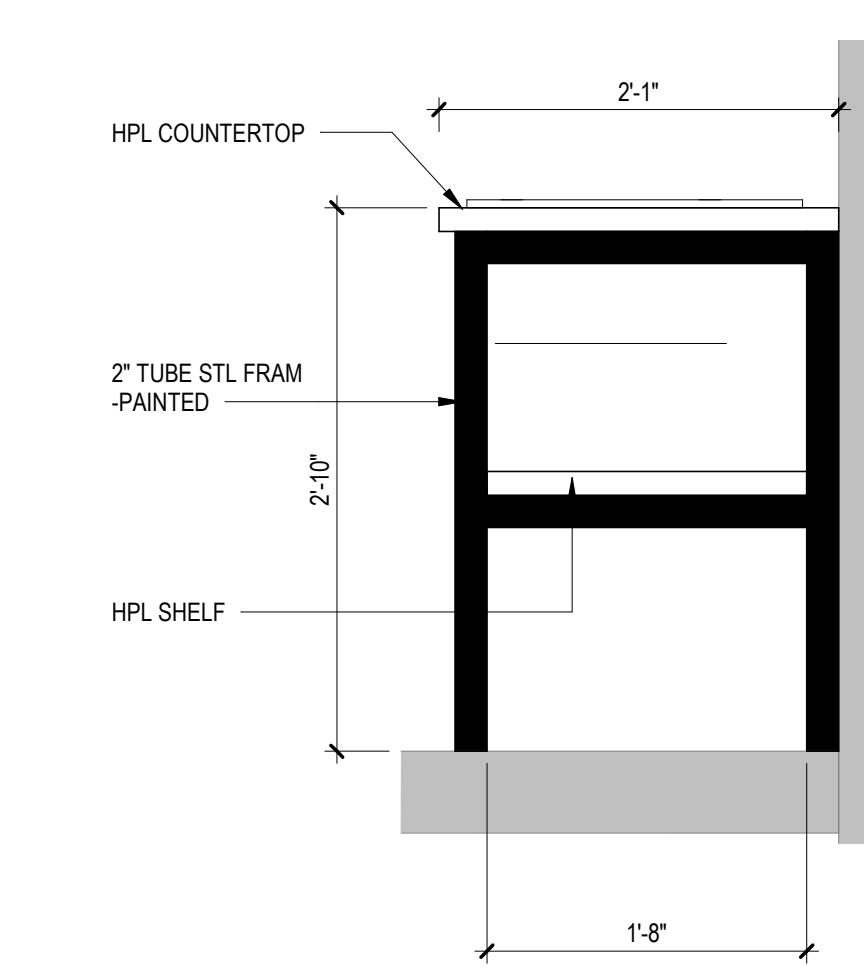
B2 DOOR JAMB @ NEW OPENING

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



A1 STOOP DETAIL

SCALE: 1" = 1'-0"



A3 COUNTER SECTION

## ROOM FINISH SCHEDULE - BASIC

ROOM #	ROOM NAME	FLOOR	BASE	CEILING	WALL	REMARKS
101	ASSEMBLY	SCONC	VB	PT	PT	1, 2
102	STORAGE	SCONC	VB	PT	PT	1, 2
103	MECHANICAL/ CUSTODIAL	SCONC	-	PT	PT	1
104	TOILET	SCONC	-	FRP	FRP	
105	TOILET	SCONC	-	FRP	FRP	

## ROOM FINISH SCHEDULE REMARKS

1. INTERIOR PAINTING BY OWNER
2. SEAL NEW CONCRETE ONLY

## TYPE A - PARTITION SCHEDULE

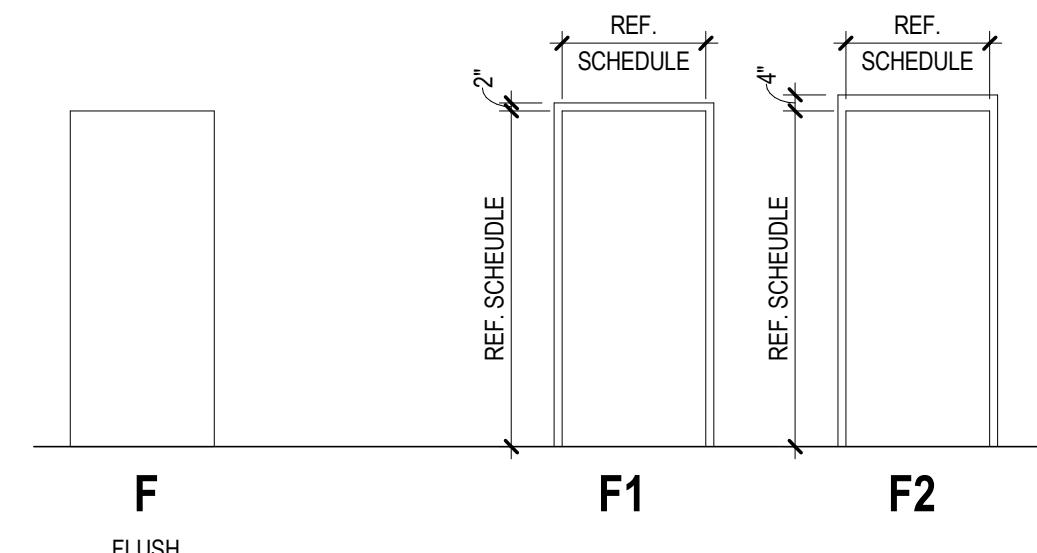
TYPE	STUD SIZE	Comments
A10	1 1/2"	2x4 WD STUD SLEEPERS W/ FRP ONE SIDE
A30	3 5/8"	2x4 WD STUD W/ 5/8" GYP BOTH SIDES
A31	3 5/8"	2x4 WD STUD W/ FRP BOTH SIDES, BATT INSULATION
A32	3 5/8"	2x4 WD STUD W/ 1x6" WD SIDING ALL SIDES

MARK	SIZE	TYPE	FRAME		REMARKS	
			MATERIAL	TYPE		
101A	3'-6"	7'-0"	F	IHM	F2	HM
101B	3'-0"	7'-0"	F	IHM	F2	HM
102	6'-0"	7'-0"	F	HM	F1	HM
103	3'-0"	7'-0"	F	HM	F2	HM
104	3'-0"	7'-0"	F	HM	F2	HM
105	3'-0"	7'-0"	F	HM	F2	HM

## DOOR SCHEDULE

DOOR SCHEDULE ABBREVIATIONS

HM HOLLOW METAL  
 IHM INSULATED HOLLOW METAL



## FLUSH DOOR &amp; FRAME TYPES

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



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 B #PRK20001  
 MARSHALLTOWN, IOWA

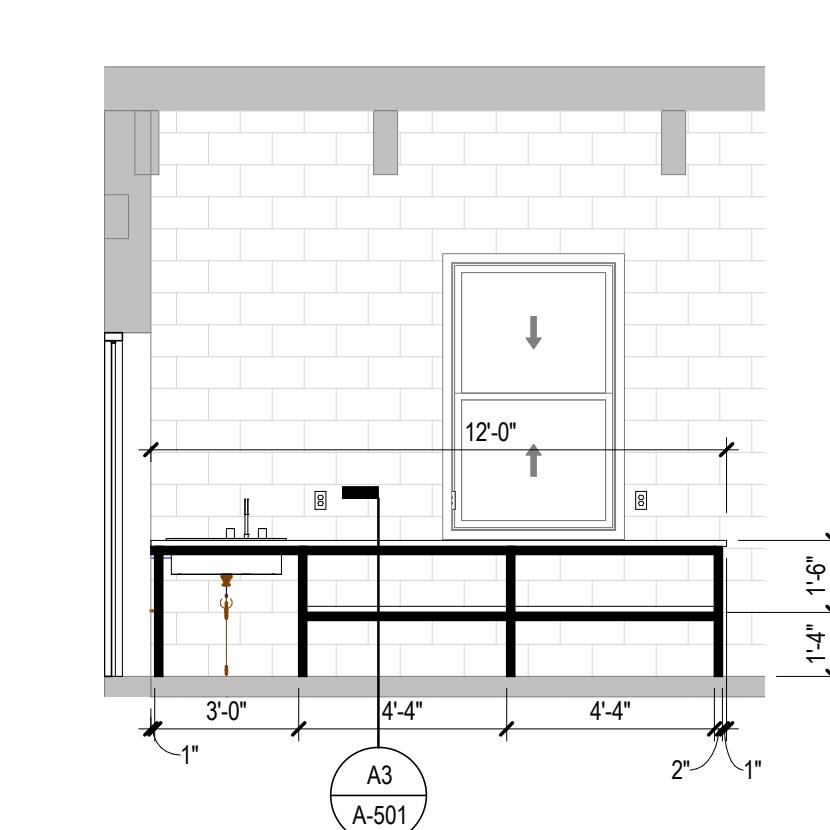
ISSUES

ISSUE DATE: 04/20/2021 DRAWN BY: JWS  
 PROJECT #: 01190805 CHECKED BY: JWS  
 SHEET TITLE: A-501

WALL SECTIONS,  
 ENLARGED PLANS,  
 INTERIOR ELEVATIONS,  
 DETAILS, SCHEDULES

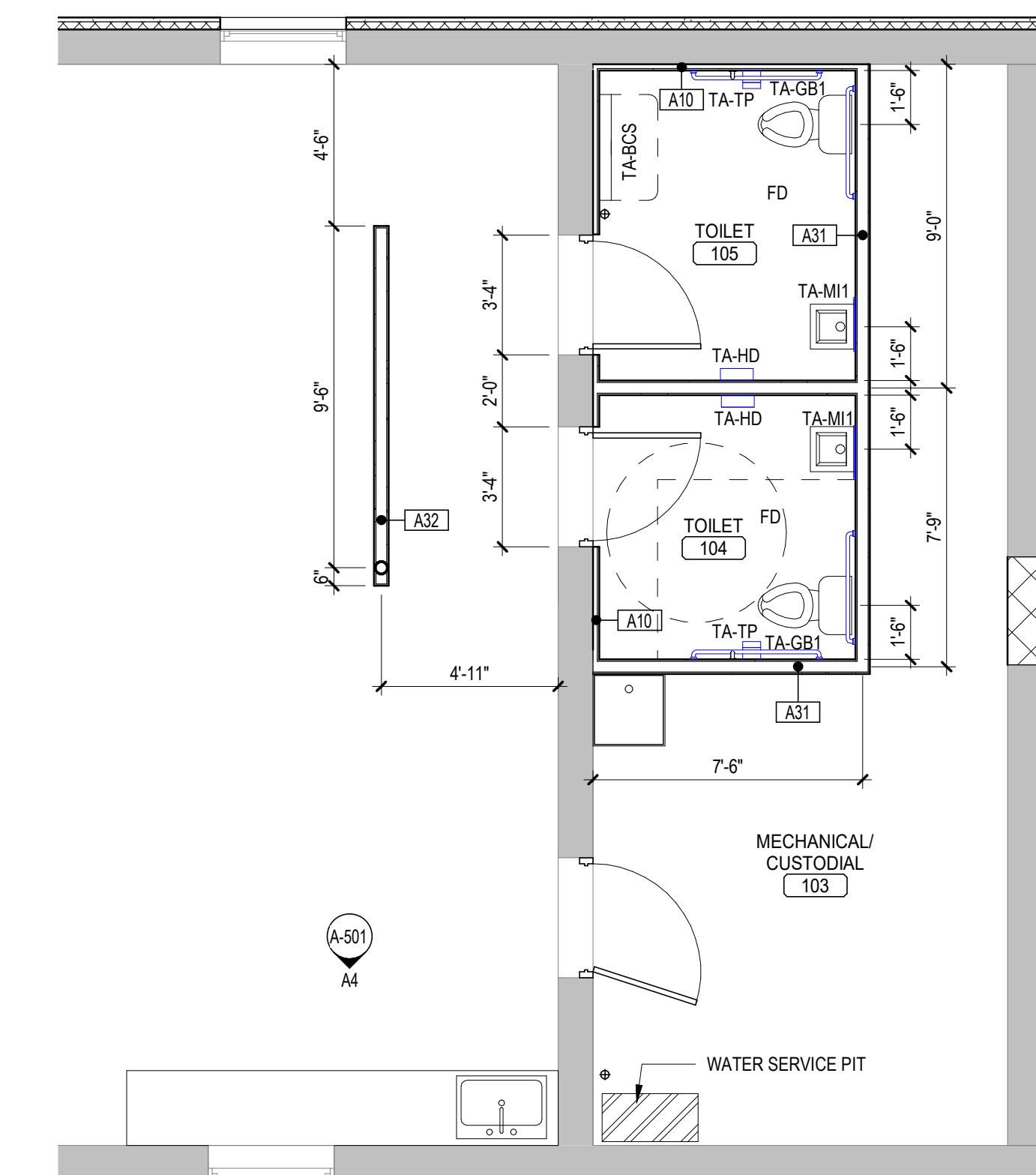
SHEET NUMBER

**A-501**



A4 CASEWORK ELEVATION

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



A5 FIRST LEVEL FLOOR PLAN - Callout 1

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

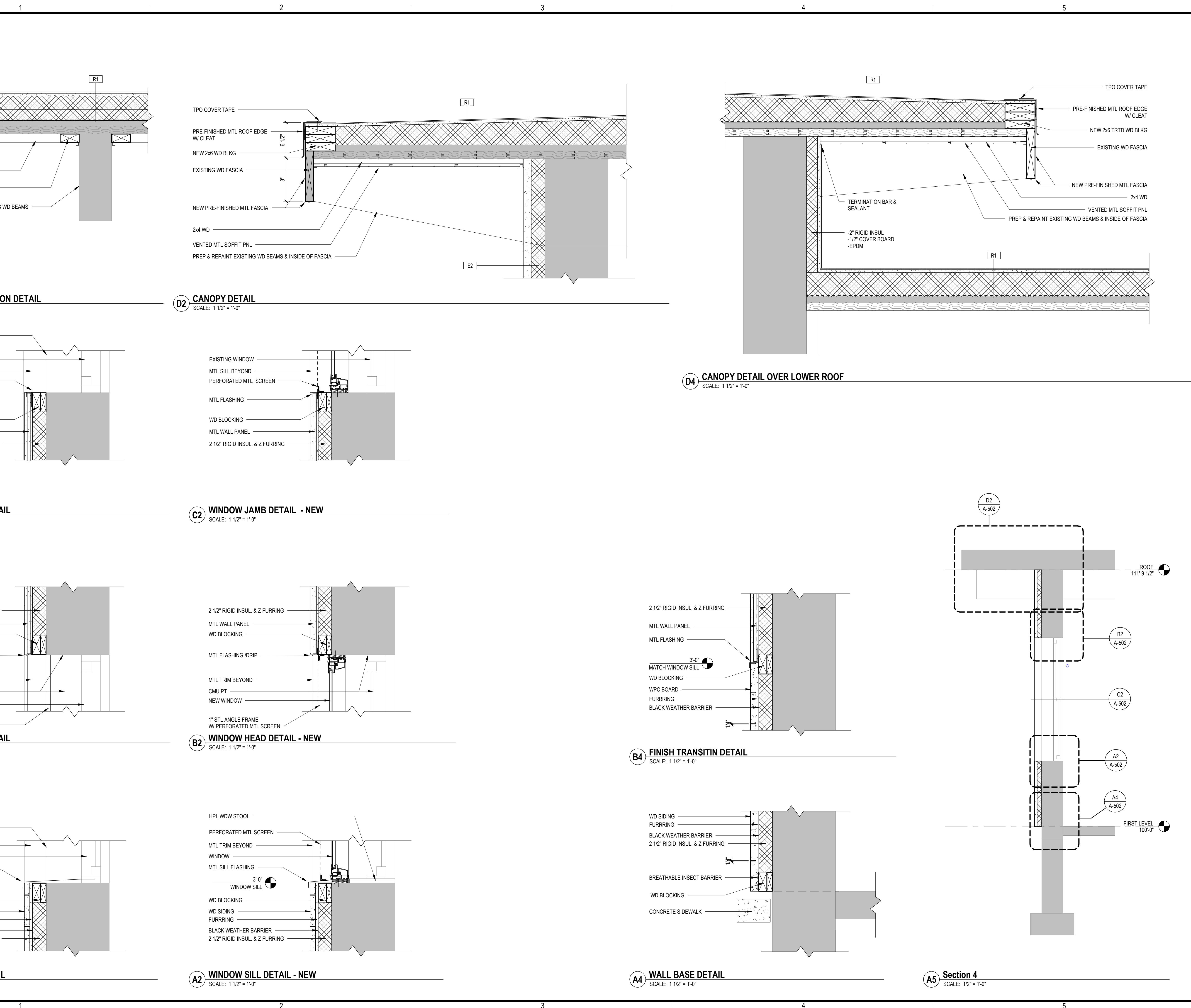
1

2

3

4

5





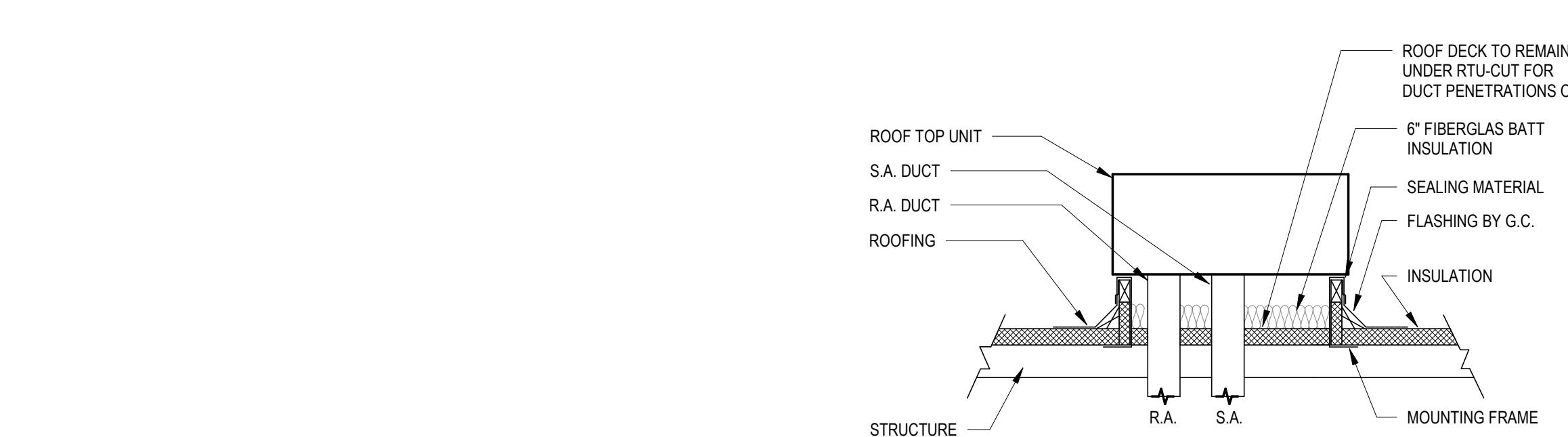


D

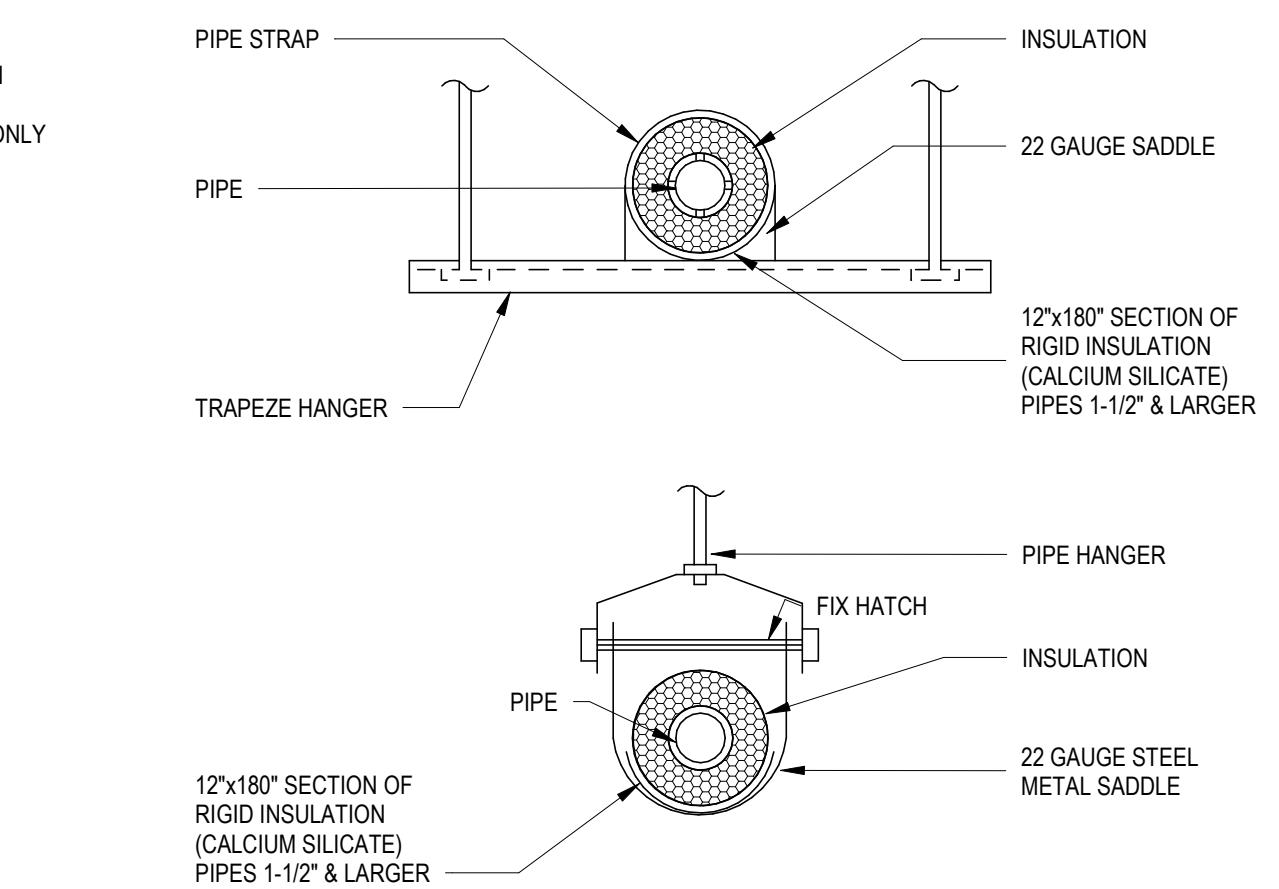
C

B

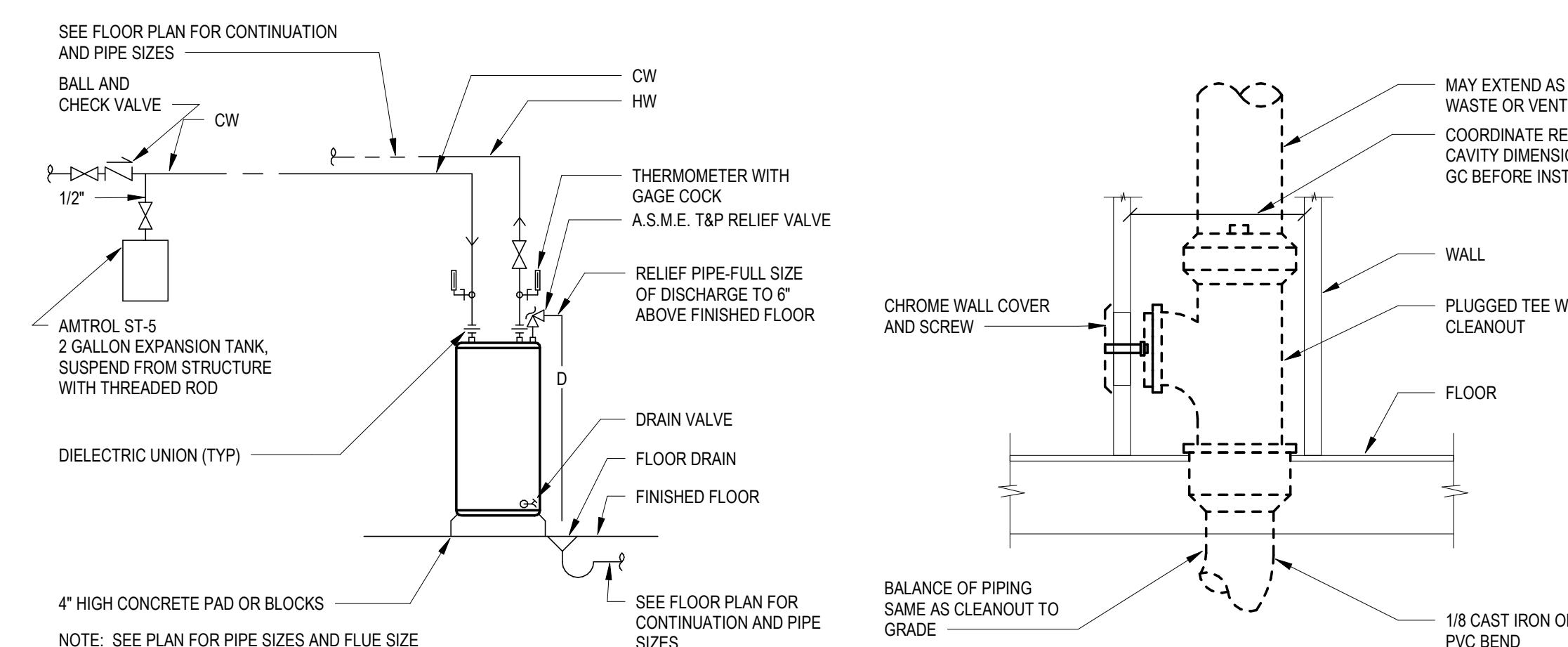
A



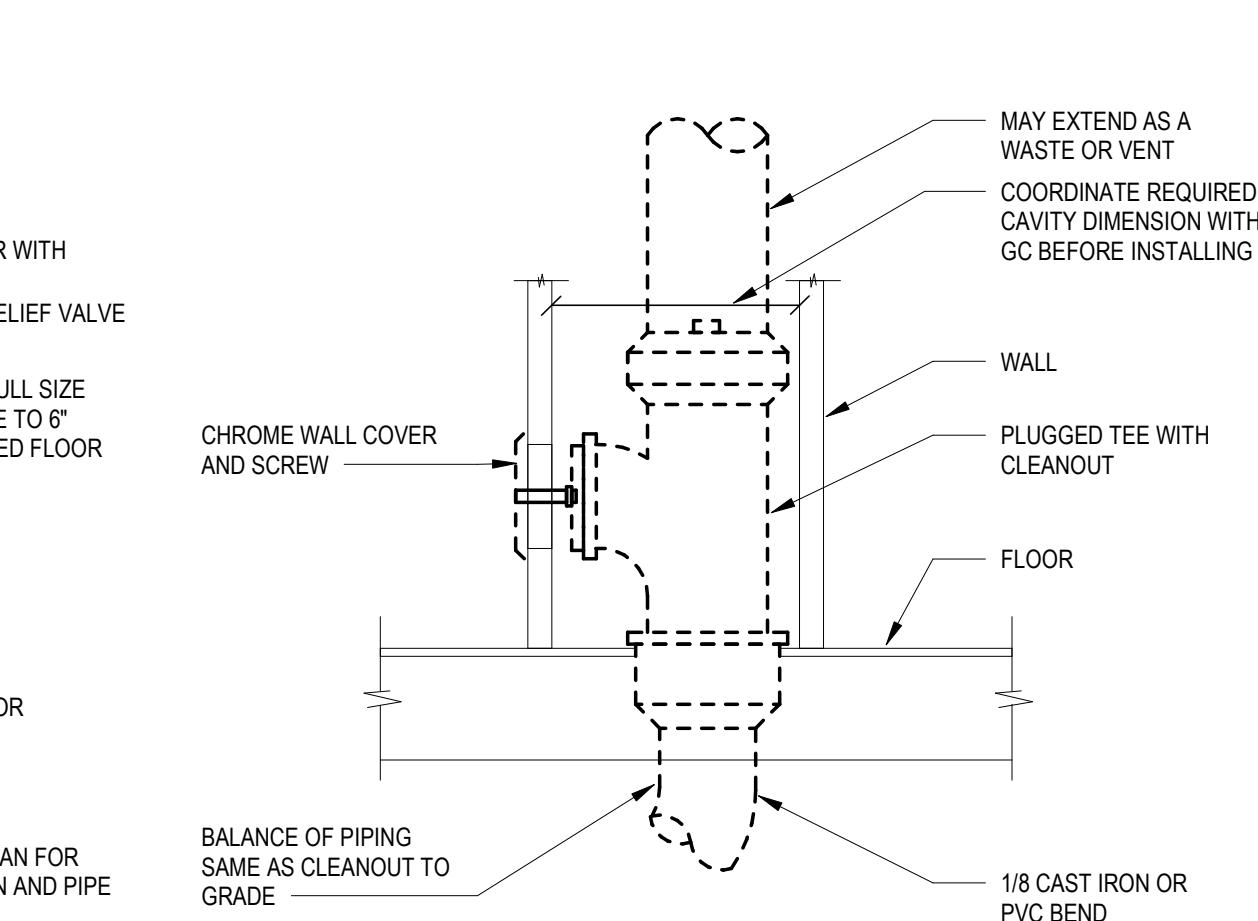
**C4 ROOFTOP UNIT**  
SCALE: NOT TO SCALE

NOTE:  
ROOF CURB BY M.C. COORDINATE INSTALLATION WITH G.C.

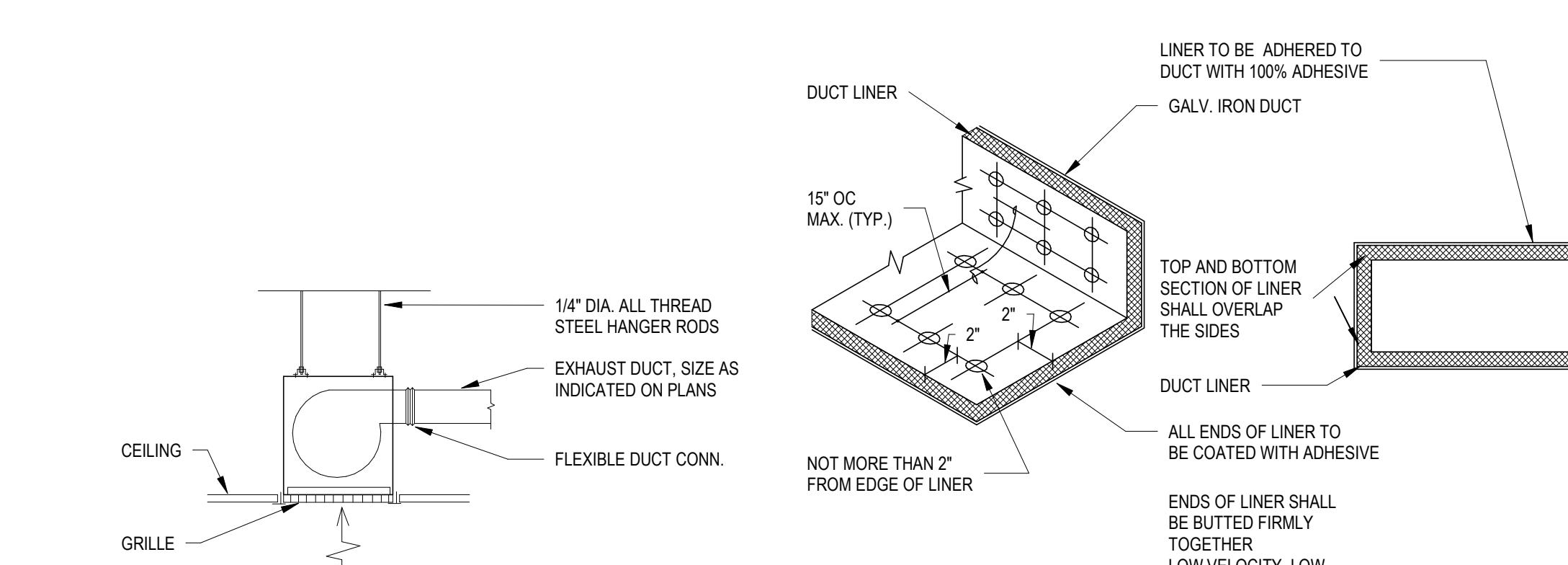
**C5 HANGER AND INSULATION SADDLES**  
SCALE: NOT TO SCALE



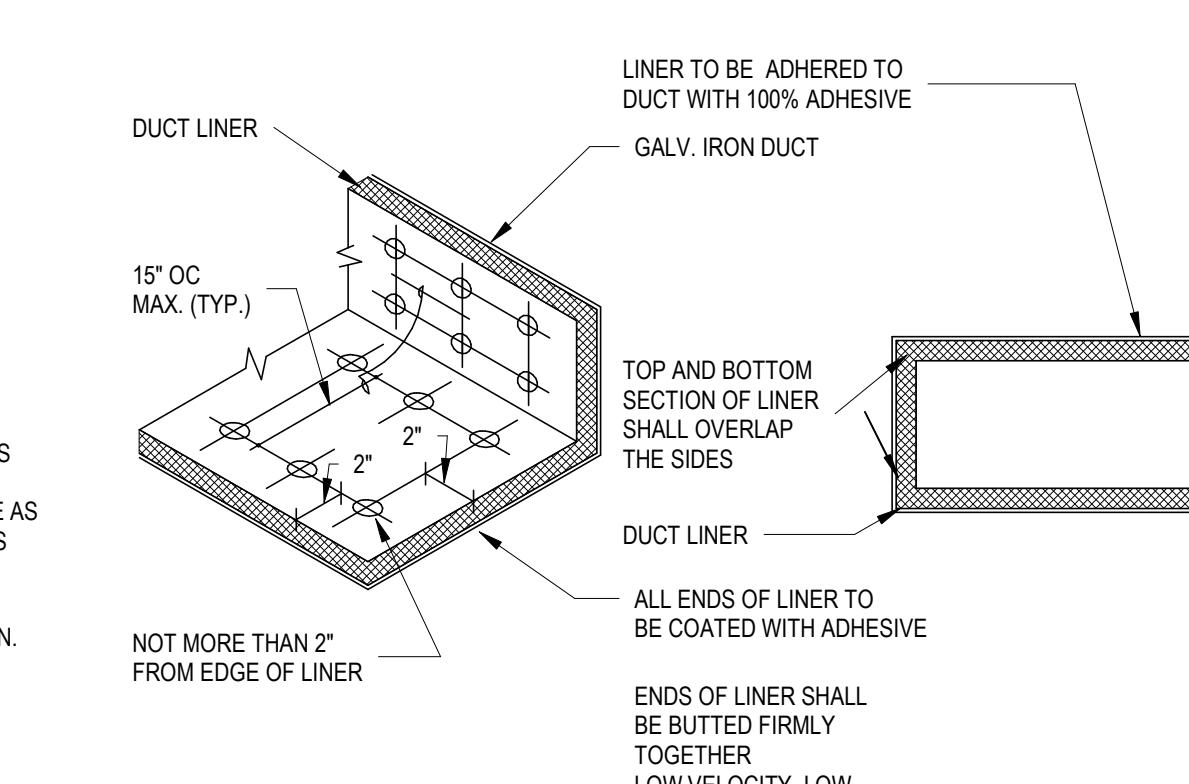
**B3 ELECTRIC WATER HEATER**  
SCALE: NOT TO SCALE



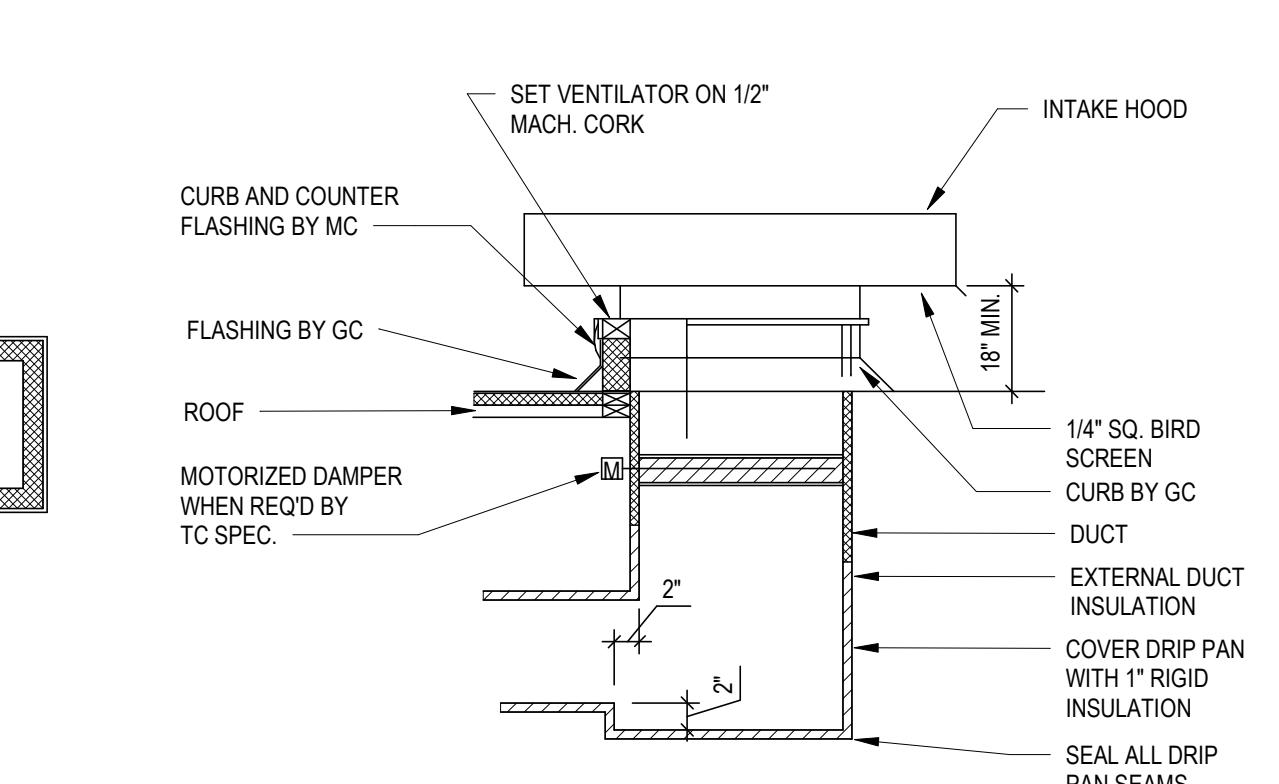
**B4 WALL CLEANOUT**  
SCALE: NOT TO SCALE



**A3 CEILING FAN**  
SCALE: NOT TO SCALE



**A4 DUCT LINER**  
SCALE: NOT TO SCALE



**A5 INTAKE RELIEF VENTILATOR**  
SCALE: NOT TO SCALE



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ISSUES

ISSUE	DATE	DESCRIPTION
04/16/2021	JLP	DRAWN BY
01190805	RCN	CHECKED BY

SHEET TITLE

MECHANICAL DETAILS

A

SHEET NUMBER

**M-501**



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B

MECHANICAL  
SCHEDULES  
A

REBID DOCUMENTS  
ME601

ROOFTOP UNIT SCHEDULE																																									
UNIT NO.	MANUFACTURER	MODEL NO.	OUTDOOR AIRFLOW	EQUIPMENT REQUIREMENTS										ELECTRICAL REQUIREMENTS										DISCONNECT																	
				SUPPLY FAN					GAS FIRED HEAT EXCHANGER					EVAPORATOR COOLING COIL					COMPRESSOR					CONTROLLER																	
				FILTER	AIRFLOW	ESP	RPM	BHP	MOTOR POWER	INPUT MBH	OUTPUT MBH	STAGES	FUEL TYPE	EAT	LAT	NOM. TONS	CAPACITY MBH	EAT DB	EAT WB	LAT DB	LAT WB	NO.	REFRIGERANT	T	AMBIENT	EER	UNIT WEIGHT	EQUIPMENT NOTES	VOLT/PH	MIN A/C	MIN CKT AMP	MOCP	WIRE SIZE / CONDUIT	TYPE	SIZE	LOCATION	CTL DEVICE	AUX	BY	CONTROL BY	TYPE
RTU-1	LENNOX	LGH-060	500 CFM	2" MERV 7	1950 CFM	0.75 in-wg	1078	1.00 hp	1.0 hp	150	113	2	NG	50.0 °F	103.6 °F	5	62	79.4 °F	66.0 °F	54.7 °F	54.7 °F	1	R410A	95.0 °F	13.1	1050 lb	ALL	240 / 1	2,510	44	60	SEE CIRCUIT SCHEDULE	E1	-	-	-	-	BY	DISC SW	DISC SW	DIV. 22/23
RTU-2	LENNOX	LGH-060	500 CFM	2" MERV 7	1950 CFM	0.75 in-wg	1078	1.00 hp	1.0 hp	150	113	2	NG	50.0 °F	103.6 °F	5	62	79.4 °F	66.0 °F	54.7 °F	54.7 °F	1	R410A	95.0 °F	13.1	1050 lb	ALL	240 / 1	3,400	44	60	SEE CIRCUIT SCHEDULE	E1	-	-	-	-	BY	DISC SW	DISC SW	DIV. 22/23

REMARKS:  
1. ECONOMIZER WITH BAROMETRIC RELIEF DAMPER.  
2. FACTORY SINGLE ZONE VAV CONTROLS WITH 7-DAY PROGRAMMABLE THERMOSTAT, CO2 SENSOR AND HUMIDISTAT.  
3. 14" HIGH SIDE.  
4. HUMIDISTAT HOT GAS REHEAT DEHUMIDIFICATION SYSTEM.  
5. 5 YEAR COMPRESSOR WARRANTY, 10 YEAR GAS HEAT EXCHANGER WARRANTY.  
6. TWO STAGE COOLING.  
7. DIRECT DRIVE SUPPLY FAN WITH EC MOTOR.  
8. PROVIDE WITH HINGED ACCESS DOORS, SERVICE DISCONNECT, HAIL GUARDS AND 120V CONVENIENCE OUTLET.  
9. PROVIDE RTU-1 AND RTU-2 UNDER ALTERNATE NO. 3.

EXHAUST FAN & POWER ROOF VENT SCHEDULE																										
UNIT NO.	MANUFACTURER	MODEL NO.	EQUIPMENT REQUIREMENTS										ELECTRICAL REQUIREMENTS										DISCONNECT		ELECTRICAL NOTES	
			TYPE					AIRFLOW	TSP	RPM	POWER (WATTS)	SONES	EQUIPMENT NOTES	VOLT/PH	MIN CKT AMP	MOCP	WIRE SIZE / CONDUIT	TYPE	SIZE	LOCATION	CTL DEVICE	AUX	BY	CONTROL BY	DISCONNECT	ELECTRICAL NOTES
			EF-1	GREENHECK	SP-110-VG	VARIABLE SPEED CEILING FAN	100 CFM	0.38 in-wg	940	8.4	2.3	ALL	120/1	0.25	15	SEE CIRCUIT SCHEDULE	-	-	-	-	-	-	-	E1	INTEGRAL	DIV. 22/23
EF-2	GREENHECK	SP-110-VG	VARIABLE SPEED CEILING FAN	100 CFM	0.38 in-wg	940	8.4	2.3	ALL	120/1	0.25	15	SEE CIRCUIT SCHEDULE	-	-	-	-	-	-	-	-	E1	INTEGRAL	DIV. 22/23		

ELEC. REMARKS:  
1. VARI-GREEN EC MOTOR.  
2. PROVIDE WITH WALL CAP AND BACKDRAFT DAMPER.  
3. PROVIDE DISCONNECT.

WATER HEATER SCHEDULE																									
UNIT NO.	EQUIPMENT REQUIREMENTS										ELECTRICAL REQUIREMENTS										DISCONNECT		ELECTRICAL NOTES		
	LOCATION	ROOM	NUMBER	MANUFACTURER	MODEL NO.	ELEMENT HEATING CAP. (2 EACH)	RECOVERY RATE @ 100 DEG DT	STORAGE CAP.	EQUIPMENT NOTES	VOLT/PH	MIN CKT AMP	MOCP	WIRE SIZE / CONDUIT	TYPE	SIZE	LOCATION	CTL DEVICE	AUX	BY	CONTROL BY	DISCONNECT	ELECTRICAL NOTES			
	EWH-1	MECHANICAL/CUSTODIAL	103	A.O. Smith	DEL-30	4500 W	18.0 gal/h	30.0 gal	ALL	240/1	23.43	30	SEE CIRCUIT SCHEDULE	-	-	-	-	-	-	DIV. 22/23	E1	DIV. 26			

ELEC. NOTES:  
1. DUAL NON-SIMULTANEOUS ELEMENTS.  
2. ASME T&P VALVE.

GRILLES, REGISTERS AND DIFFUSERS SCHEDULE																									
TYPE	SYSTEM	MANUFACTURER	MODEL NO.	FACE SIZE	NECK SIZE	MOUNTING TYPE	SPECIFICATION										MAX NC (dB)	MAX PD (W/G)	INTEGRAL DAMPER	FINISH COLOR	MATERIAL	REMARKS			
							ELEMENT					AIRSIDE													
							HEATING CAP.	ENTERING AIR TEMP. DB	LEAVING AIR TEMP. DB	EQUIPMENT NOTES	VOLT/PH	MIN CKT AMP	MOCP	WIRE SIZE / CONDUIT	TYPE	SIZE	LOCATION	CTL DEVICE	AUX	BY	CONTROL BY	DISCONNECT	ELECTRICAL NOTES		
S-1	SUPPLY	KRUEGER	880H	18" x 16"	16" x 14"																				

ELECTRICAL ABBREVIATIONS LIST											
1P	1 POLE (2P, 3P, 4P, ETC)	DCP	DOMESTIC WATER HEATING PUMP	HT	HEIGHT	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION	SWBD	SWITCHBOARD	SYS	SYNTOMICAL
A	AMPERE	DEPT	DEPARTMENT	HTR	HEATER	NFDS	NON-FUSED SAFETY DISCONNECT	TEL	TELEPHONE	TERM	TERMINAL
AC	AIR CONDITIONER	DIA	DIAMETER	HV	HIGH VOLTAGE	DISC	DISCONNECT	NOT IN CONTRACT	TL	TWIST LOCK	
AFC	ABOVE FINISHED COUNTER	DISC	DISCONNECT	HVAC	HEATING, VENTILATING AND AIR CONDITIONING	DT	DUAL TECHNOLOGY SENSOR	NIC	NOT IN CONTRACT	TERM	TERMINAL
AFF	ABOVE FINISHED FLOOR	DIST	DISTRIBUTION	DN	DOWN	HWP	HYDROSTATIC WATER PUMP	NL	NIGHT LIGHT	TR	TAMPER RESISTANT
AFG	ABOVE FINISHED GRADE	DOWN		IC	INTERRUPTING CAPACITY	NTS	NOT TO SCALE	NO.	NORMALLY OPEN	T-STAT	TERMOSTAT
AFI	ARC FAULT CIRCUIT INTERRUPTER	DT	DOUBLE THROW	DTS	DUAL TECHNOLOGY SENSOR	IG	INTERUPTING CAPACITY	NOT TO SCALE	NOT TO SCALE	TV	TELEVISION
AHU	AIR HANDLING UNIT	DWG	DRAWING	IMC	INTERMEDIATE METAL CONDUIT	OH	OVERHEAD	TV	TYPICAL		
AIC	AVAILABLE INTERRUPTING FAULT CURRENT	EC	ELECTRICAL CONTRACTOR	INCAND	INCANDESCENT	OL	OVERLOADS	UC	UNDER COUNTER		
AL	ALUMINUM	ELEC	ELECTRIC, ELECTRICAL	IR	INFRARED	OS	OCCUPANCY SENSOR	UE	UNDERGROUND ELECTRICAL	UG	UNDERGROUND
ALT	ALTERNATE	ELEV	ELEVATOR	IRW	INTERLOCK WITH	PA	PUBLIC ADDRESS	UT	UNDERGROUND TELEPHONE	UTL	UTILITY
AMPL	AMPLIFIER	EM	ENERGY MANAGEMENT SYSTEM	J-BOX	JUNCTION BOX	PB	PULL BOX	UV	UNDERGROUND VENTILATOR OR ULTRAVIOLET		
ANNUN	ANNUNCIATOR	EMT	ELECTRICAL METAL TUBING	KV	KILOVOLT	PED	PEDESTAL	V	VOLT	VA	VIDEO DISPLAY TERMINAL
APPROX	APPROXIMATELY	EQUIP	EQUIPMENT	KVAC	KILOVOLT-AMPERE	PF	POWER FACTOR	VFD	VARIABLE FREQUENCY DRIVE	VERT	VERTICAL
AO-STAT	AQUASTAT	EWC	ELECTRIC WATER COOLER	KVAR	KILOVOLT-AMPERE REACTIVE	PH	PHASE	VO	VOLUME	VS	VACANCY SENSOR
ARCH	ARCHITECT, ARCHITECTURAL	EXIST	EXISTING	KW	KILOWATT	PIR	PASSIVE INFRARED	PT	PORTALVENTILATOR	POT	PORTALVENTILATOR
ATS	AUTOMATIC TRANSFER SWITCH	EXH	EXHAUST	KWH	KILOWATT HOUR	PP	POWER INDICATING VALVE	PVC	POLYVINYL CHLORIDE	POWER	POWER
AUTO	AUTOMATIC	EXP	EXPOSURE PROOF	PA	LOCATE OR LOCATION	PR	PAIR	VA	VOLT-AMPERES	VDT	VIDEO DISPLAY TERMINAL
AUX	AUXILIARY	FA	FIRE ALARM	LT	LIGHT	PRI	PRIMARY	VFD	VARIABLE FREQUENCY DRIVE	VERT	VERTICAL
AV	AUDIO, VISUAL	FACP	FIRE ALARM CONTROL PANEL	LTG	LIGHTING	PROJ	PROJECTION	VO	VOLUME	VS	VACANCY SENSOR
AWG	AMERICAN WIRE GAUGE	FB-XX	FLOOR BOX (SEE SCHEDULE)	LTG	LIGHTING	PRV	PORTALVENTILATOR	W	WATT	W	WIRE GUARD
BATT	BATTERY	FCU	FAIR COIL UNIT	LTG	LIGHTING	PRT	POTENTIAL TRANSFORMER	WB-XX	WALL BOX (SEE SCHEDULE)	W/O	WITHOUT
BD	BOARD	FIX	FIXTURE	LV	LOW VOLTAGE	PVC	POLYVINYL CHLORIDE	WG	WIRE GUARD	W/H	WATER HEATER
BLDG	BUILDING	FLR	FLOOR	FU	FUSE	MAX	MAXIMUM	WH	WATER HEATER	W/O	WITHOUT
BMS	BUILDING MANAGEMENT SYSTEM	FLUOR	FLUORESCENT	FVR	FULL VOLTAGE NON-REVERSING	MAG	MAGNETIC STARTER	WP	WITHOUT	WEATHERPROOF	
C	CONDUIT	GA	GAUGE	MC	MECHANICAL CONTRACTOR	MC	MECHANICAL CONTRACTOR	XFMR	TRANSFORMER	XFR	TRANSFER
CAB	CABINET	GAL	GALLON	MCC	MOTOR CONTROL CENTER	REQD	RECEPTEACLE REQUIRED	XFR	TRANSFER		
CAT	CATALOG	GALV	GALVANIZED	MDC	MAIN DISTRIBUTION CENTER	RM	ROOM				
CB	CIRCUIT BREAKER	GC	GENERAL CONTRACTOR	MDP	MAIN DISTRIBUTION PANEL	RSC	RIGID STEEL CONDUIT				
CB-XX	RECESSED CEILING BOX (SEE SCHEDULE)	GEN	GENERATOR	MFS	MANUFACTURER	RTU	ROOF TOP UNIT				
CCTV	CLOSED CIRCUIT TELEVISION	GFI/GFCI	CIRCUIT BREAKER	MFS	MAIN FUSED DISCONNECT	Y	WYE-CONNECTED				
CKT	CIRCUIT	INTERRUPTER		MIN	MINIMUM						
CLG	COOLING	GFP	GROUND FAULT PROTECTOR	MIC	MICROPHONE	SEC	SECONDARY				
CM	CORNER MOUNT	GRND	GROUND	MIC	MICROPHONE	SHT	SHEET				
CMPR	COMPRESSOR	GRD	GALVANIZED RIGID STEEL	MIN	MINIMUM	SIM	SIMILAR				
COMB	COMBINATION	GRD	GALVANIZED RIGID STEEL	MIS	MATERIALS	SIM	SIMILAR				
CONN	CONNECTION	GYP BD	GYPSUM BOARD	MLO	MAIN LUGS ONLY	SIN	SOLID NEUTRAL				
CONST	CONSTRUCTION	(CONDUIT)		MMS	MATERIALS	SPEC	SPECIFICATION				
CONT	CONTINUOUS	MLD	MOTOR STARTER	MOS	MOTOR STARTER-ASSEMBLY	SPKR	SPKER				
CONTR	CONTRACTOR	HB	HIGH BAY	MSP	MOTOR STARTER PANELBOARD	SP	SPARE				
CP	CIRCULATING PUMP	HOA	HANDS-OFF-AUTOMATIC	MSP	MAIN SWITCHBOARD	SR	SURFACE RACEWAY				
CRT	CATHODE-RAY TUBE	HORIZ	HORIZONTAL	MT	MOUNT	SS	STAINLESS STEEL				
CT	CURRENT TRANSFORMER	HP	HORSEPOWER	MTC	EMPTY CONDUIT	SSW	SELECTOR SWITCH				
CTR	CENTER	MTR	MOTOR, MOTORIZED	MTR	MOTOR, MOTORIZED	STD	STD/START PUSHBUTTONS	#			
CU	COPPER					STD	STD/START PUSHBUTTONS	PHASE			
				N.C.	NORMALLY CLOSED	SW	SURFACE MOUNTED	PLATE			
				NEC	NATIONAL ELECTRICAL CODE						

## ELECTRICAL SYMBOL NOTES

A2 b THE LIGHTING FIXTURE TYPE IS INDICATED BY AN UPPER CASE LETTER. THE CIRCUIT DESIGNATION IS INDICATED BY A NUMBER. THE SWITCH DESIGNATION IS INDICATED BY A LOWER CASE LETTER. EXAMPLE: LIGHTING FIXTURE TYPE "A2" IS CONNECTED TO CIRCUIT 12 AND CONTROLLED BY SWITCH "b".

14 E EXIT LIGHTS. STEM INDICATES WALL MOUNTING. NO STEM INDICATES CEILING MOUNTING. SHADED AREA INDICATES ILLUMINATED FACE(S). ARROW INDICATES DIRECTIONAL ARROW ON ILLUMINATED FACE(S). THE CIRCUIT DESIGNATION IS INDICATED BY A NUMBER. EXAMPLE: THE WALL MOUNTED EXIT LIGHT TYPE "E" WITH SINGLE FACE AND DIRECTIONAL ARROW IS CONNECTED TO CIRCUIT 14.

16 c DEVICES. THE CIRCUIT DESIGNATION IS INDICATED BY A NUMBER. THE SWITCH DESIGNATION IS INDICATED BY A LOWER CASE LETTER. EXAMPLE: SPLIT DUPLEX RECEPTACLE IS CONNECTED TO CIRCUIT 16 AND ONE RECEPTACLE OUTLET IS CONTROLLED BY SWITCH "c".

13.5 d THE CONTROL DEVICE DESIGNATION IS INDICATED BY A LOWER CASE LETTER. EXAMPLE: SINGLE POLE SWITCH "d" TO CONTROL LIGHTING FIXTURES INDICATED BY "d".

13.5 e SPECIAL/RECEPT CONNECTIONS. THE CIRCUIT DESIGNATION IS INDICATED BY A NUMBER(S) ADJACENT TO THE SYMBOL. SEE KEYNOTE FOR CONFIGURATION. EXAMPLE: 3 PHASE CONNECTION TO CIRCUITS 1, 3, 5.

SF-1 f MOTOR CONNECTIONS. THE MOTOR IS INDICATED BY A NUMBER WITHIN OR CHARACTERS ADJACENT TO THE MOTOR SYMBOL. THE CIRCUIT DESIGNATION IS INDICATED BY A NUMBER(S) ADJACENT TO THE SYMBOL. EXAMPLE: MOTOR SF-1; 3 PHASE CONNECTION TO CIRCUITS 2, 4, 6.

11 g TRANSFORMERS. THE TRANSFORMER TYPE IS INDICATED BY A NUMBER FOLLOWING THE UPPER CASE LETTER "T". SEE THE SINGLE LINE DIAGRAM OR RISER FOR THE TRANSFORMER DESCRIPTION AND REQUIREMENTS. EXAMPLE: TRANSFORMER TYPE "T1".

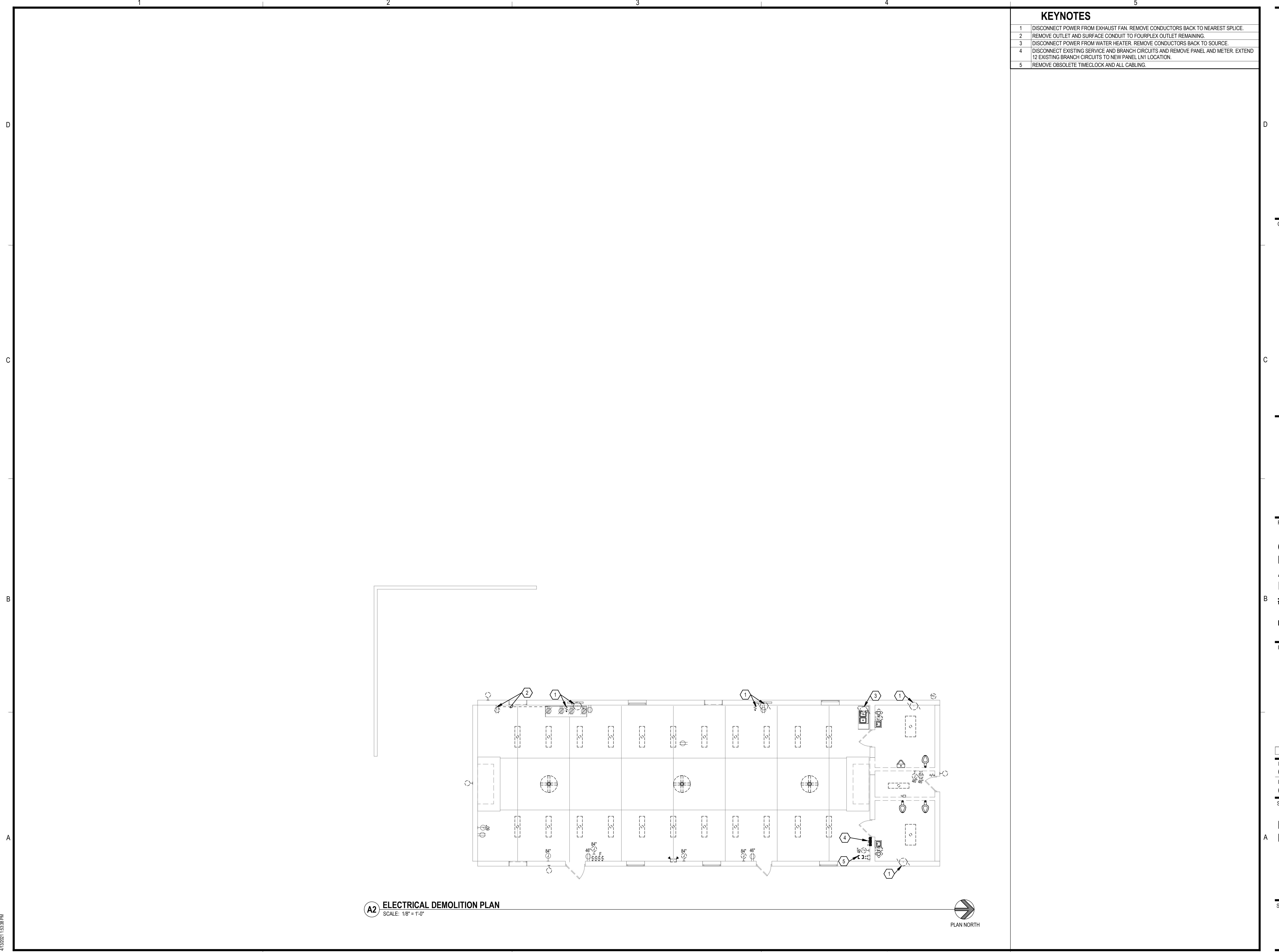
LN12 h PANELBOARDS. PANELBOARD DOORS MAY BE SHOWN TO INDICATE OPENING SIDE OF RECESSED PANELBOARDS. SEE PANELBOARD IDENTIFICATION FOR DESIGNATION CODES.

i CONDUIT RUN CONCEALED IN CEILING OR WALL CONSTRUCTION.

LN12 j HOME RUN TO BRANCH CIRCUIT PANELBOARD. THE PANELBOARD DESIGNATION IS SHOWN ADJACENT TO THE HOME RUN ARROW AS A NUMERATOR AND THE CIRCUIT DESIGNATION IS SHOWN AS THE DENOMINATOR. CIRCUIT BREAKER SIZES (AMPS/NUMBER OF POLES) ARE SHOWN IN THE PANELBOARD SCHEDULE WITH THE CORRESPONDING PANELBOARD AND CIRCUIT DESIGNATION. EXAMPLE: HOME RUN TO PANELBOARD LN12, CIRCUITS 1, 3, 5.

k SYMBOL NOTATIONS: UPPER CASE LETTERS ADJACENT TO SYMBOLS INDICATE A UNIT TYPE. SEE APPROPRIATE SCHEDULE OR SPECIFICATIONS.

ELECTRICAL SYMBOL LEGEND											
HT AFF	SYMBOL	DESCRIPTION	HT AFF	SYMBOL	DESCRIPTION	HT AFF	SYMBOL	DESCRIPTION	HT AFF	SYMBOL	DESCRIPTION
AS NOTED		surface mounted light (type denoted)	AS NOTED		recessed light (type denoted)	AS NOTED		multioutlet assembly	AS NOTED		conduit concealed in wall or overhead
AS NOTED		floodlight (type denoted)	AS NOTED		receptacle on drop cord (duplex shown)	AS NOTED		conduit exposed	AS NOTED		conduit transition up
PER SCHED		pendant or hung light (type denoted)	AS NOTED		junction box (wall/floor/ceiling)	18"		conduit transition down	AS NOTED		conduit stubbed out
		recessed light (type denoted)	72"		pull box	72"		circuit breaker panel	AS NOTED		low voltage power wiring
		track light/flood light (types denoted)	72"		life safety circuit breaker panel	72"		equipment circuit breaker panel	AS NOTED		existing conduit
		emergency battery light (type denoted)	72"		power or distribution panel	72"		transformer	AS NOTED		underground electrical
		exit sign (type denoted)	72"		switchboard	72"		special cabinet (type denoted)	AS NOTED		underground high voltage electrical
		light fixture on em/life safety branch	72"		generator (kva denoted)	72"		transformer (type denoted)	AS NOTED		underground communications
		light fixture on critical branch	72"		motor	72"		cable tray (type denoted)	AS NOTED		underground cable (catv or cctv)
		light on cord reel (type denoted)	72"		telecom equipment rack (2-post)	72"		telecom equipment rack (4-post)	AS NOTED		underground fiber optic
		single pole switch	72"		grounding bus bar	72"		conduit sleeve (size denoted)	AS NOTED		duct smoke detector
		2 pole single throw switch	72"		variable frequency drive	72"		telephone outlet (slash indicates mounting above finished counter)	AS NOTED		remote test/status station
		3-way switch	72"		relay	72"		wall telephone outlet	AS NOTED		f.a. pull station
		4-way switch	72"		enclosed circuit breaker	72"		data outlet, (slash indicates mounting above finished counter)	AS NOTED		f.a. door holder
		keyed switch	72"		occupancy sensor	72"		intercom outlet location	AS NOTED		fire alarm shutdown relay
		pilot switch	72"		safety disc. sw. (non-fused)	72"		telephone outlet	AS NOTED		fire alarm control panel
	<img alt="Dimmer switch symbol										



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RENOVATION**  
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MARSHALLTOWN, IOWA

ISSUES

ISSUE	DATE	DESCRIPTION
04/14/2021	DRAWN BY CRN	PROJECT # 01190805 CHECKED BY DLB

SHEET TITLE

**ELECTRICAL  
DEMOLITION PLAN**  
A

SHEET NUMBER

**E-101**

## KEYNOTES

- 1 PROVIDE PHOTOCELL FOR CONTROL OF EXTERIOR LIGHTING AND EMERGENCY EXTERIOR LIGHTING.
- 2 PROVIDE A FOUR POLE CONTACTOR TO CONTROL EXTERIOR LIGHTING AND EMERGENCY EXTERIOR LIGHTING VIA BUILDING MOUNT PHOTOCELL OF KEYNOTE 1 THIS SHEET.
- 3 PROVIDE EMERGENCY LIGHTING INVERTER, BASIS OF DESIGN: DUAL-LITE LG-125-S-I. INVERTER SHALL PROVIDE EMERGENCY POWER TO EXTERIOR EMERGENCY FIXTURES.
- 4 MOUNT BOTTOM OF LIGHT FIXTURE 6" ABOVE TOP OF MIRROR CENTER FIXTURE ABOVE MIRROR.
- 5 COORDINATE LIGHTING LAYOUT IN ROOM WITH MECHANICAL DUCTWORK, PIPING, EQUIPMENT, ETC.
- 6 EXTEND EXISTING CIRCUIT TO NEW RECEPTACLES.
- 7 REPLACE EXISTING DEVICES WITH GRAY DEVICE AND STAINLESS STEEL PLATE.
- 8 OUTLET AND DISCONNECT ARE PROVIDED INTEGRAL TO RTU UNIT.
- 9 PROVIDE NEW SURFACE MOUNTED BOX AND RACEWAY. BASIS OF DESIGN: LEGRAND V2400 SERIES STEEL RACEWAY.
- 10 PROVIDE PILOT LIGHT SWITCH TO CONTROL EXHAUST FAN. SWITCH LED SHALL BE ON WHEN EXHAUST FAN IS ON. PROVIDE LABEL.
- 11 BASE BID: EQUIPMENT NOT PROVIDED. DO NOT PROVIDE POWER AS SHOWN. ALTERNATE #3: EQUIPMENT PROVIDED AS SHOWN. PROVIDE POWER AS SHOWN.
- 12 FIRE ALARM STROBE TO ALARM WHEN DUCT SMOKE DETECTOR DETECTS SMOKE.
- 13 PROVIDE A NEW STAINLESS STEEL COVER PLATE FOR JUNCTION BOX.
- 14 RE-USE EXISTING BACK BOX FOR NEW SWITCHES.
- 15 INSTALL DUCT SMOKE DETECTORS IN RETURN DUCT AND SUPPLY DUCT OF RTU. DUCT DETECTORS SHALL SHUT DOWN RTU AND ANNUNCIATE HORN/STROBE.
- 16 UTILITY METER. SEE RISER DIAGRAM DETAIL A2 SHEET E-501 FOR MORE INFORMATION.
- 17 PROVIDE FUSED DISCONNECT. SEE RISER DIAGRAM FOR MORE INFORMATION.
- 18 CHAIN HANG LIGHTS SO BOTTOM OF FIXTURE IS 9'-0" AFF.



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Architecture  
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CONSULTANTS

PROJECT  
CITY OF  
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ANSON PARK SHELTER  
RENOVATION  
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MARSHALLTOWN, IOWA

ISSUES

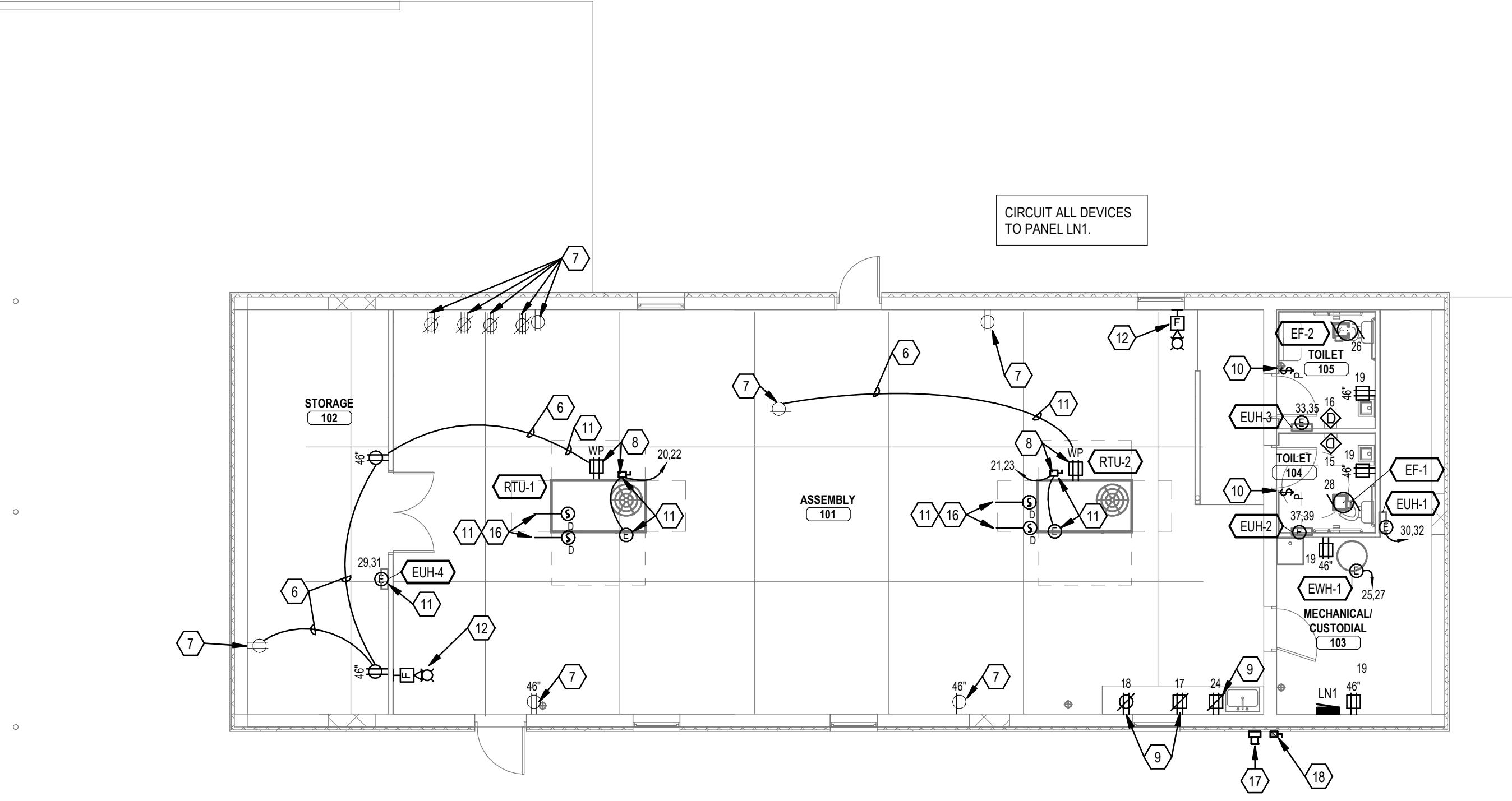
ISSUE	DATE	DESCRIPTION
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SHEET TITLE

LIGHTING PLAN AND  
POWER AND  
TECHNOLOGY PLAN

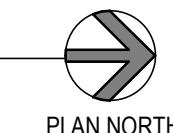
SHEET NUMBER

E-102

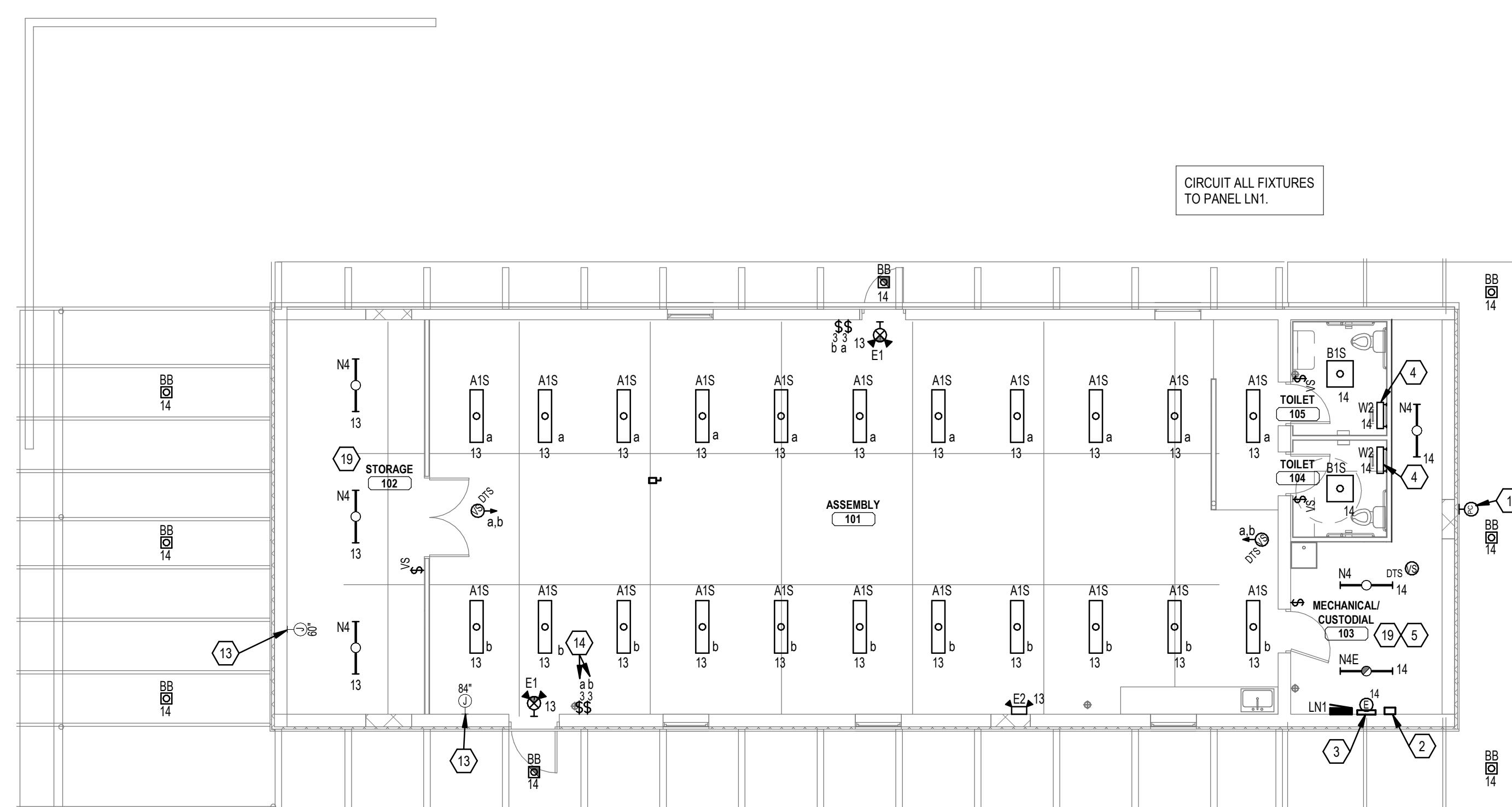


B2 POWER AND TECHNOLOGY PLAN

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



CONTACTOR SCHEDULE		
POLE	DESCRIPTION	CONTROL
1	NORMAL BB FIXTURES	PC
2	EMERGENCY BB	PC AND INVERTER
3	SPARE	
4	SPARE	



A2 LIGHTING PLAN

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



