



**PCO #038**

Ratcliff Constructors, LP  
 4200 Beltway Drive  
 Addison, Texas 75001  
 Phone: (972) 432-9969  
 Fax: (972) 432-9943

**Project:** 21-501 - Collin County Adult Detention Facility, Phase 1 Addition  
 4300 Community Avenue  
 McKinney, Texas 75071

**Prime Contract Potential Change Order #038: PR #9R Future Ductwork and Raceways at Female Shell Out Space**

<b>TO:</b>	Collin County 4600 Community Avenue McKinney Texas, 75071	<b>FROM:</b>	Ratcliff Constructors, LP 4200 Beltway Drive Addison Texas, 75001
<b>PCO NUMBER/REVISION:</b>	038 / 1	<b>CONTRACT:</b>	1 - Collin County Adult Detention Facility, Phase 1 Addition Prime Contract
<b>REQUEST RECEIVED FROM:</b>		<b>CREATED BY:</b>	CJ Perry (Ratcliff Constructors, LP)
<b>STATUS:</b>	Pending - In Review	<b>CREATED DATE:</b>	2/13 /2023
<b>REFERENCE:</b>		<b>PRIME CONTRACT CHANGE ORDER:</b>	
<b>FIELD CHANGE:</b>	No		
<b>LOCATION:</b>		<b>ACCOUNTING METHOD:</b>	Amount Based
<b>SCHEDULE IMPACT:</b>	21 days	<b>PAID IN FULL:</b>	No
		<b>TOTAL AMOUNT:</b>	\$217,302.83

**POTENTIAL CHANGE ORDER TITLE:** PR #9R Future Ductwork and Raceways at Female Shell Out Space

**CHANGE REASON:** Client Request

**POTENTIAL CHANGE ORDER DESCRIPTION:** *(The Contract Is Changed As Follows)*  
PR #9R Future Ductwork and Raceways at Female Shell Out Space

Provide for additional materials and labor required to complete all work as detailed in PR #9R issued 3/14/23.

This pricing **includes** the additional conduit, box's, and pull string's, required from the panel to the FSD location's. This work is not detailed on PR #9R, but was discussed with the project team. See backup.


**ATTACHMENTS:**

#	Cost Code	Description	Type	Amount
1	23-100 - HVAC	Ductwork	Subcontractor	\$ 102,955.60
2	26-100 - Electrical	Electrical	Subcontractor	\$ 94,592.43
3		Ratcliff Fee (10.00%)		\$ 19,754.80
<b>Subtotal:</b>				\$217,302.83
<b>Grand Total:</b>				\$217,302.83

**Michael Woods (Brinkley Sargent  
 Wiginton Architects)**  
 5000 Quorum Drive, Suite 600  
 Dallas Texas 75254

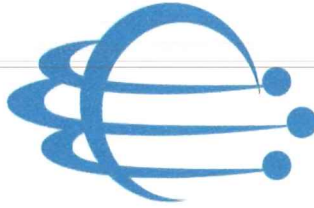
**Collin County**  
 4600 Community Avenue  
 McKinney Texas 75071

**Ratcliff Constructors, LP**  
 4200 Beltway Drive  
 Addison Texas 75001

  
 \_\_\_\_\_  
 SIGNATURE DATE 5-3-23

\_\_\_\_\_  
 SIGNATURE DATE

  
 \_\_\_\_\_  
 SIGNATURE DATE 4/25/23



**CLIMATE PROS**  
 12055 Brittmoore Park Dr. Houston, TX 77041

## CONSTRUCTION CHANGE ORDER

CUSTOMER	PROJECT	PROPOSED BY	CONTRACT NUMBER	DATE
<b>Ratcliff Constructors</b>	<b>CCADF PR#9R</b>	<b>Climate Pros</b>		03/20/23

**SCOPE OF WORK**

Below is the requested Price for Material, Labor, and Equipment related to the mechanical scope of **PR#9**. Anything not listed specifically in the below breakdown is excluded.

**Sheetmetal:** 5,345lbs of total Ductwork, 535 SQ FT of Lined, and 3,550 SQ FT of Unlined Rectangular Duct.

36" x 56" - (2) end Caps, (2) 45's, (1) 90, Joints of Varying Lengths.

36" x 28" - (2) end caps, (2) 45's, (1) 90, (2) transitions, Joints of Varying lengths.

**Materials:** Includes hanging Materials, Fasteners, Mastic, Insulation.

Hanging Materials - Unistrut, All-thread, Nuts, Washers, Anchors, Hanger Strap where needed.

Fasteners - Screws for Duct, Clips, Corners, Nuts and bolts for TDC, Mastic for joints, Material and Access doors for FSD's.

Insulation - (18) bags of R8 Duct Wrap, Insulation Tape and Staples.

**FSD's:** (3) NCA Motorized FSD's w/ galvanized frame airfoil blade combination fire/smoke dampers sized per schedule with 3 Hour, Class 2, UL-Listed, Mounting Angles and Standard Two-Position Low Voltage Actuator Fail Open.

**Security Barriers:** (4) total security Barriers, Barriers will be installed on both ends of Supply and Return Ducts Added in PR#9.

DESCRIPTION	JOB NUMBER	UNIT	RATE	COST	MARKUP %	PRICE
<b>Refrigeration/HVAC</b>				\$ -		\$ -
Labor Foreman		90.00	\$ 75.00	\$ 6,750.00	0%	\$ 6,750.00
Labor Installer		400.00	\$ 55.00	\$22,000.00	0%	\$ 22,000.00
Labor Insulator		180.00	\$ 45.00	\$ 8,100.00	0%	\$ 8,100.00
Materials - hanging, screws, Mastic, Insulation, etc.		1.00	\$10,550.00	\$10,550.00	0%	\$ 10,550.00
Sheet Metal (LOT)		1.00	\$26,068.00	\$26,068.00	0%	\$ 26,068.00
NCA FSD's (3)		1.00	\$11,478.00	\$11,478.00	0%	\$ 11,478.00
Security Bars (4)		1.00	\$ 4,150.00	\$ 4,150.00	0%	\$ 4,150.00
Revised Shops		1.00	\$ 4,500.00	\$ 4,500.00	0%	\$ 4,500.00
				\$ -		\$ -
				\$ -		\$ -
				\$ -		\$ -
<b>SUBTOTAL</b>				\$93,596.00		\$ 93,596.00
<b>OVERHEAD AND PROFIT</b>					10.00%	\$ 9,359.60
<b>TOTAL</b>						\$ 102,955.60

Climate Pros • 1910 Sam Bass Road • Round Rock Tx 78681  
 Phone: (512) 531-9843 Fax: (512) 531-9844  
 www.climateprosinc.com

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**Date: 1/31/2023**

**Project: Collin County Adult Detention Facility**

PR#09

Materials	\$30,479.63
Labor (Direct & Indirect)	\$48,875.55
Equipment & General Expenses	\$6,637.94
<b>Cost</b>	<b>\$85,993.12</b>
Overhead & Profit [10%]	\$8,599.31
<b>Total</b>	<b>\$94,592.43</b>

**SCOPE:**

- Providing (4) 1" EMT conduits with pull string back to panel 'LC' for future power with pull boxes. (Roughly 659' Total)
- providing (3) 1" EMT conduits with pull string back to panel 'HD' for future lighting with pull boxes. (Roughly 747' Total)
- Providing (2) 4" EMT conduits with pull strings stubbed out from wall above ceiling shall route to it room #2017 for future dorm electronic security. (360'/Each)
- Providing (1) 3/4" EMT (Roughly 245' Total) & (1) 1-1/4" EMT (Roughly 245' Total) conduits above ceiling to IT room 2015 for future IT build-out.

**EXCLUSIONS:**

- Cable Trays and conduit hangers.
- 4" conduits for door control wiring doesn't route 30 doors, 30 intercom/paging speakers and 30 cameras.
- Taxes on incorporated materials.
- Bonding and/or special insurance requirements.
- Providing and installing gravel, sand, rebar, and concrete.
- Painting, wall cutting, boring, coring, and saw-cutting.
- Permit fees

**ASSUMPTIONS:**

- Proposal good for 15-days from date of proposal. Subject to revision after such date.
- Proposal subject to any government-imposed tariff imposed after proposal date.
- Project to be performed during Monday-Friday, 7:00a.m. – 3:30p.m.
- Holiday, weekend, and overtime hours not included.
- **Construction schedule to be extended by 3 weeks.**



Attributes	Item Description	Qty	Total Mat. \$	Total Field Labor
3/4"	Conduit - EMT 10' Lengths	245	213.35	18.375
1"	Conduit - EMT 10' Lengths	1,406.00	2,149.07	115.29
1-1/4"	Conduit - EMT 10' Lengths	245	594.17	22.785
4"	Conduit - EMT 10' Lengths	720	6,511.25	172.8
1-1/4"	Elbow 90 Degree - EMT	6	105.6	2.88
4"	Elbow 90 Degree - EMT	16	1,671.12	24
3/4"	Coupling - EMT Compression Steel	24.5	25.36	5.145
1"	Coupling - EMT Compression Steel	142	505.48	34.08
1-1/4"	Coupling - EMT Compression Steel	30.5	192.74	9.15
4"	Coupling - EMT Compression Steel	88	10,220.14	79.2
3/4"	Connector - EMT Compression Steel	4	3.79	1.8
1"	Connector - EMT Compression Steel	28	73.92	14.56
1-1/4"	Connector - EMT Compression Steel	8	22.98	4.8
4"	Connector - EMT Compression Steel	20	1,235.87	27
1-1/4"	Bushing - Plastic 105 Degree	6	1.92	1.5
4"	Bushing - Plastic 105 Degree	16	157.48	12.8
2-1/8" D	4" Square Box 1/2 & 3/4" KO	11	23.68	4.4
1-Gang x 1/4" D	4" Square Plaster Ring - Steel	11	10.51	2.75
36" H x 24" W x 12" D	Junction Box Screw-On Cover NEMA 1 - Painted Steel	10	5,390.00	20
	Square Box Mounting Bracket to 2-1/2 or 3-1/2" Stud	11	18.15	0.99
	3/8" Polyrope	2,500.00	412.5	15
3/4"	2-Piece Strut Clamp - Universal Steel Zinc Plated Break-Apart	23.98	64.63	1.079
1"	2-Piece Strut Clamp - Universal Steel Zinc Plated Break-Apart	137.755	422.03	6.199
1-1/4"	2-Piece Strut Clamp - Universal Steel Zinc Plated Break-Apart	23.98	91.58	1.439
4"	2-Piece Strut Clamp - Universal Steel Zinc Plated Break-Apart	71.429	353.57	6.429
3/4"	Conduit Clip Screw-On to Metal Stud	11	6.97	2.2
#8 x 1/2"	Self-Tapping Screw Wafer Head Phillips up to 12 Gauge	33	1.77	1.597

**Total: \$ 30,479.63      608.25**

<b>Field Labor</b>						
		Hours	Cost	Burden	Full Cost	Total
Journeyman		608.25	\$49.72	23.79%	\$61.55	<b>\$37,439.27</b>
<b>Indirect Labor</b>						
		Hours	Cost	Burden	Full Cost	Total
Project Manager		20	\$85.56	24.18%	\$106.25	\$2,124.97
Superintendent		96.1176	\$78.25	23.80%	\$96.87	\$9,311.31
						<b>\$11,436.28</b>
<b>Equipment</b>						
	Duration	Qty	Cost	Tax%	Overhead %	Total
Scissor Lift - 40'	1 month	1	\$1,466			\$1,466
Delivery & Pickup		1	\$400			\$400
Fuel						\$200
						<b>\$2,066</b>
<b>General Expenses</b>						
		Qty	Cost	Tax%	Overhead %	Total
Consumables	10% of material	1	\$ 3,047.96			\$3,048
Frieght	5% of material	1	\$1,523.98			\$1,523.98
						<b>\$4,571.94</b>

**PROPOSAL REQUEST**

Distribution: OWNER  ARCHITECT  CONSULTANT  CONTRACTOR  FIELD  OTHER

**PROJECT:** Collin County Adult Detention Facility **PROPOSAL REQUEST 09R**  
4300 Community Avenue  
McKinney, TX 75071

**OWNER:** Collin County  
4300 Community Avenue  
McKinney, TX 75071

**TO:** Ratcliff Constructors, LP **PROJECT NO.:** 21913  
4200 Beltway Drive **INITIATION DATE:** 3/13/2023  
Addison, TX 75001

**CONTRACT FOR:** General Construction **NOTICE TO PROCEED DATE:** 02/17/2022  
**CONTRACT DATE:** 11/10/2021

Please submit an itemized quotation for changes in the Contract Sum and/or Time incidental to proposed modifications to the Contract Documents described herein.

Item No. 1. Main Jail Area: Please provide pricing for the ductwork and electrical conduit rough-ins for the future Female Housing Unit.

Attachments: N/A

Drawings: M211, M212, M221, M601, M604, M703, E701, ES227, IT228.

Specifications: N/A

**END OF PROPOSAL REQUEST 09R**

**ISSUED:** BRINKLEY SARGENT WIGINTON ARCHITECTS  
By: Michael Woods March 13, 2023

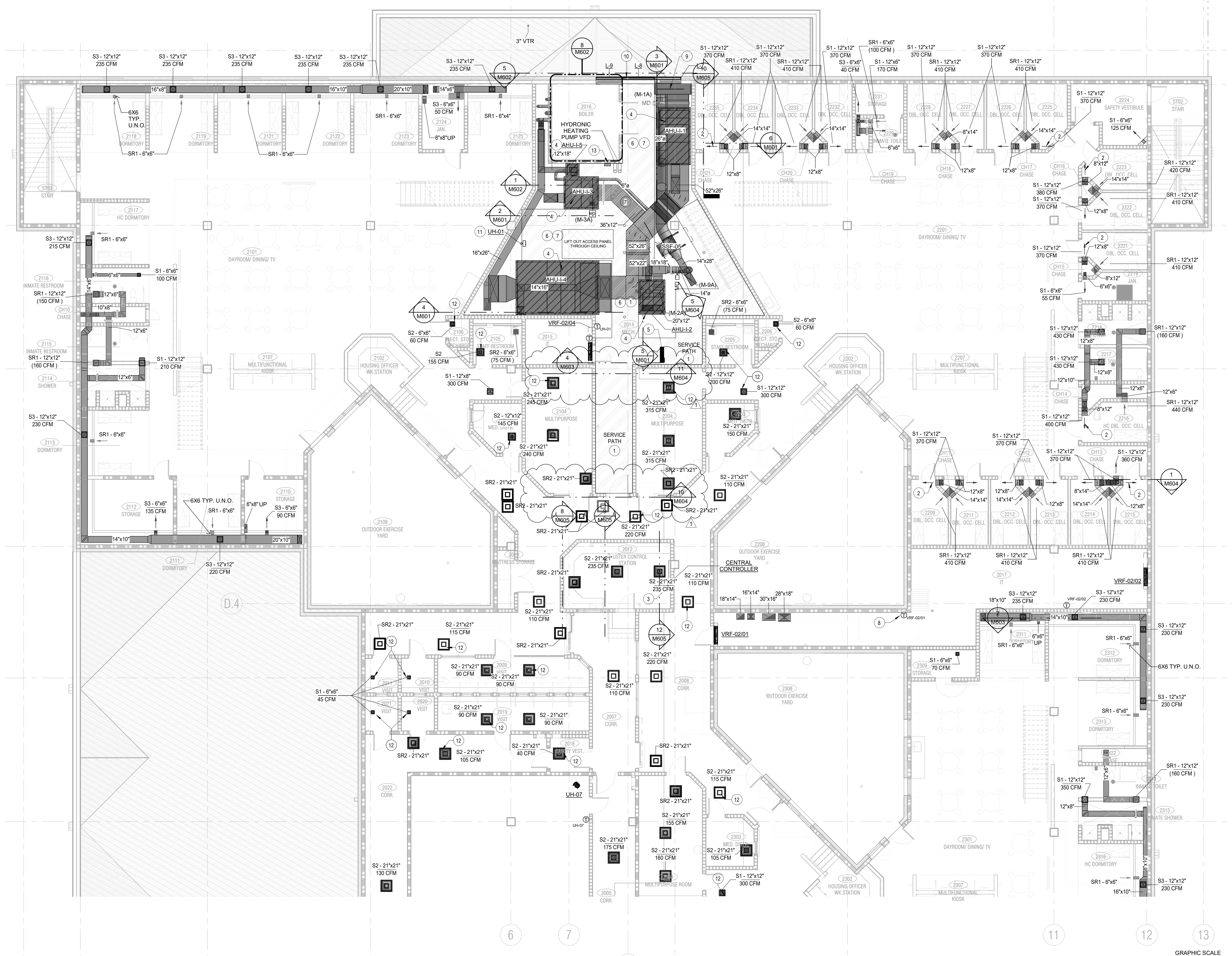
ARCHITECT DATE

**GENERAL NOTES:**

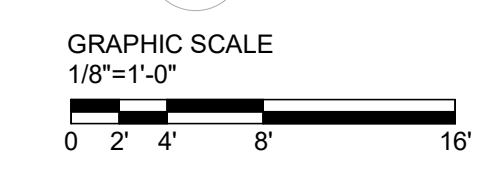
- REFER TO MP000 FOR GENERAL HVAC NOTES, ABBREVIATION AND SYMBOLS.
- FURNISH AND INSTALL SECURITY BARRIER AS DETAILED IN ALL WALL, FLOOR, OR ROOF PENETRATION GREATER THAN 8"x8" IN SECURE AREA.
- PROVIDE SMOKE DETECTORS IN ALL SECURITY RETURN AIR AND EXHAUST AIR GRILLES WHERE ACCESSIBLE.
- ALL RADIUS TURNS SHALL BE SMOOTH WALL WITH A RADIUS OF R=1.5D.
- ALL SUPPLY AND RETURN DIFFUSERS ARE TYPE 'S1/SR1' SECURITY DIFFUSERS IN CELL/HOLDING AREAS AND 'S2/SR2' IN DETENTION DAYROOMS UNLESS SPECIFIED OTHERWISE.
- SECURITY GRILLES LOCATED IN TECTUM LAY-IN CEILINGS SHALL BE SIZE SO FLANGE WILL ATTACH TO TECTUM TRACK. TECTUM TRACK TO NEVER BE CUT.
- COORDINATE WITH ALL TRADES BEFORE INSTALLING ANY EQUIPMENT OR DUCTWORK.
- ALL DUCTWORK SHALL BE CONSTRUCTED TO PREVENT DEFLECTION OF GREATER THAN 0.125" AT 4" WC OF POSITIVE OR NEGATIVE PRESSURE.
- ALL SHEET METAL DUCTWORK PENETRATING FIRE RATED WALLS SHALL BE MINIMUM OF 26 GAUGE. ALL OTHER DUCT SHALL BE CONSTRUCTED AS SPECIFIED IN ACCORDANCE WITH THE LATEST EDITION OF SMACNA HVAC DUCT CONSTRUCTION STANDARDS.
- DOUBLE NUT LOCK DOWN FOR MULTI-VANE DAMPERS INSTALLED IN HIGH VELOCITY DUCTWORKS/SMOKE REMOVAL DUCTWORK.
- PROVIDE RADIUS FITTINGS FOR ALL DUCTWORK, WHERE NOT POSSIBLE SINGLE WALL TURNING VANES IN 90-45 DEG. TURNS IN DUCTWORK. TURNS GREATER THAN 45 DEG. SHALL BE DOUBLE WALL.
- SECURITY GRILLES LOCATED IN CELL CHASE WALLS SHALL BE MOUNTED AT 7'-0" A.F.F. BOTTOM OF GRILLE.
- ALL AIR DEVICES SHALL HAVE MANUAL BALANCING DAMPERS AS INDICATED IN SPECIFICATIONS FOR BALANCING.
- PROVIDE SECURITY HOLD DOWN CLIPS AND TAMPER PROOF SCREWS (TYPICAL) AT SECURED CEILINGS.
- HVAC SYSTEM SHALL BE BALANCED IN SMOKE PURGE MODE WITH FLOW DATA VALUES REPORTED IN NORMAL OPERATION.
- CONTRACT DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL INSTALL ALL MECHANICAL MATERIAL PER SMACNA STANDARDS.
- INSTALL RETURN AIR SENSORS IN RETURN AIR DUCTS FOR CONTROLLING AHU'S SERVING DETENTION AREAS. CONTROLS SHALL BE LOCATED IN CLUSTER CONTROL STATION 2011. COORDINATE EXACT LOCATION WITH ARCHITECTS AND OWNER.
- ALL GRILLES INSTALLED IN PLANK CEILINGS SHALL BE INSTALLED CENTERED BETWEEN PLANKS.
- IF CABLE DAMPERS ARE USED, LOCATE IN NEAREST PLUMBING CHASE OR CLOSET. ALL CABLE DAMPERS SHALL HAVE AN IDENTIFICATION TAG INDICATING CELL, SUPPLY/RETURN, AND LOCATION OF DAMPER.

**NOTES BY SYMBOL "O":**

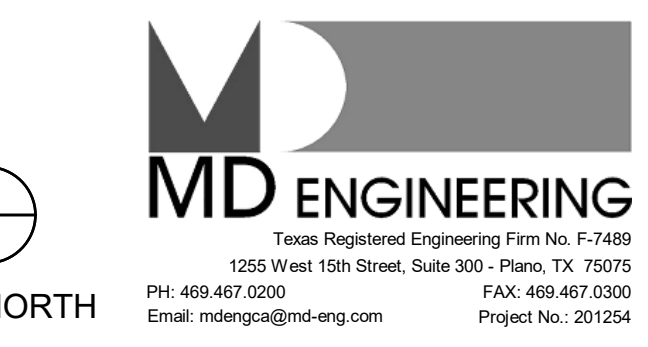
- ALL DUCTWORK, PIPING, WIRING AND CONDUIT SHALL BE 7'-0" ABOVE MEZZANINE FLOOR LEVEL.
- PROVIDE MANUAL BALANCING DAMPER FOR SUPPLY DIFFUSER WITHIN ADJACENT CHASE. TYPICAL ALL SIMILAR INSTANCES.
- PROVIDE MASTER CONTROLLER FOR CU-01, CU-02, CU-03, & CU-04. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION. CONTRACTOR TO AVOID ALL CONTROL PANELS WITHIN SPACE. RUN WIRES IN WALL TO CONCEAL WIRING.
- CONTRACTOR TO INSTALL RETURN AIR SENSORS WITHIN UNITS RETURN DUCTWORK. UNIT TO BE CONTROLLED THROUGH BMS.
- EMS CONTROL CABINETS.
- SERVICE PATH SHALL BE WIDE ENOUGH TO ALLOW FOR ADJACENT UNITS TO BE SERVICED. PATH WIDTH SHALL BE AT MINIMUM THE WIDEST COMPONENT IN ADJACENT EQUIPMENT.
- ALL DUCTWORK, PIPING, WIRING AND CONDUIT SHALL BE 8'-0" ABOVE MEZZANINE FLOOR LEVEL.
- PROVIDE INSULATED BACKPLATE FOR THERMOSTAT ON PARTITION OF EXTERIOR WALL WHERE ADJOINING ROOM IS NOT CONTROLLED WITH VRF/AHU SYSTEM. TYPICAL FOR ALL APPLICABLE INSTANCES.
- PROVIDE INSULATED PLENUM. DEPTH SHALL BE A MINIMUM OF 36".
- PROVIDE INSULATED PANEL ON BACK SIDE OF INACTIVE SECTION. LOUVER SHALL BE REMOVABLE AND USED FOR ACCESS PATH FOR EQUIPMENT MAINTENANCE.
- INSTALL HEATER AHAP.
- REFER TO M221 FOR CONTINUATION. TYPICAL ALL DIFFUSERS/GRILLES WITHIN SPACE.
- HYDRONIC HEATING BOILER CONTROL PANEL.



**1 LEVEL 1 EAST FLOOR PLAN - DUCTWORK**  
1/8" = 1'-0"



**Revised**  
11/18/2022 9:20:04 AM  
Clouded revisions  
COM2021-06-00789  
APPROVED FOR PERMIT ISSUANCE  
MICHAEL JOSEPH SMITH  
CHIEF BUILDING OFFICIAL OR AGENT



LEVEL 1 EAST FLOOR PLAN - DUCTWORK

21913  
07/13/2021 M211

**COLLIN COUNTY ADF - PHASE 1 ADDITION**

4300 COMMUNIT AV. MCKENNY, TX 75071

**BRINKLEY SARGENT WIGINTON ARCHITECTS**

**FOR BID**

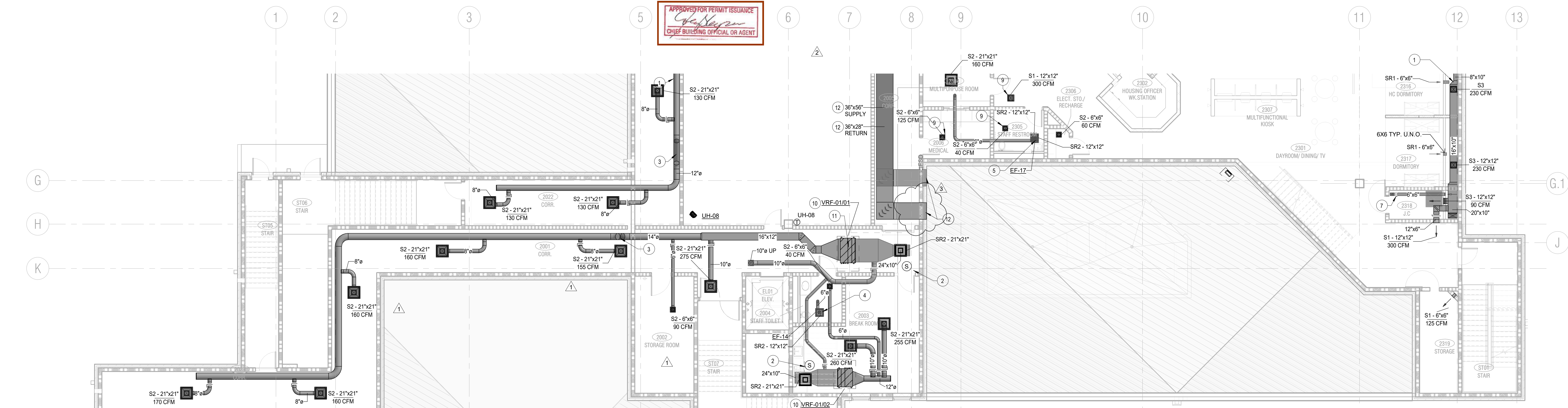
Architect: Brinkley Sargent Wiginton Architects (972) 960-9970  
Civil: Pacheco Koch (214) 451-2765  
Structural: JQ Engineering (214) 532-9098  
MEP / IT: MD Engineering (469) 467-0200  
Security: Latifatech (972) 633-8650

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See original approved plans for additional notes and comments.

**Revised**  
03/13/2023 2:38:34 PM  
Delta 4 clouded revisions  
COM2021-06-00789

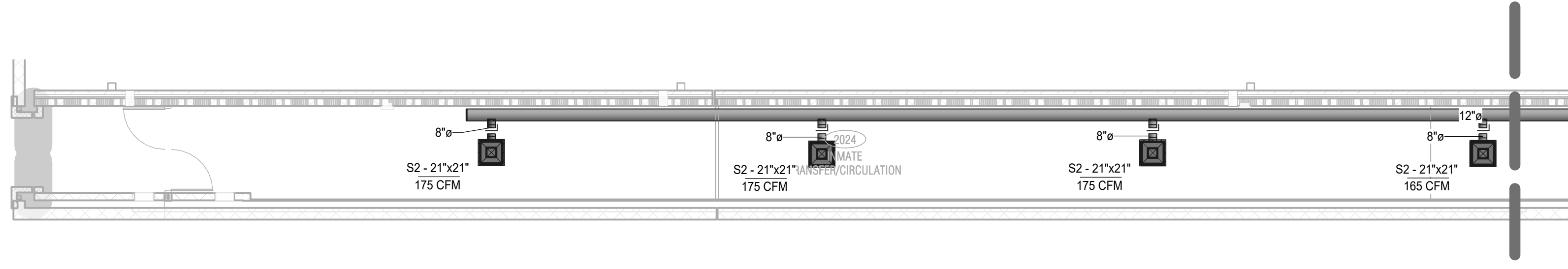
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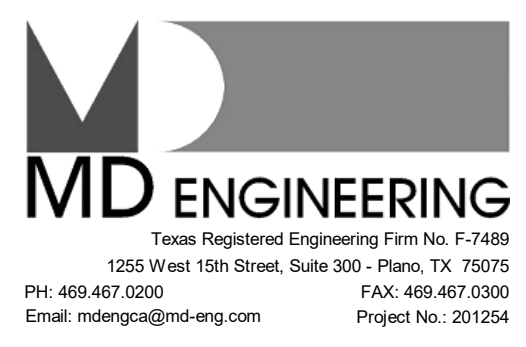
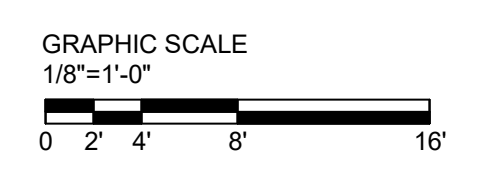
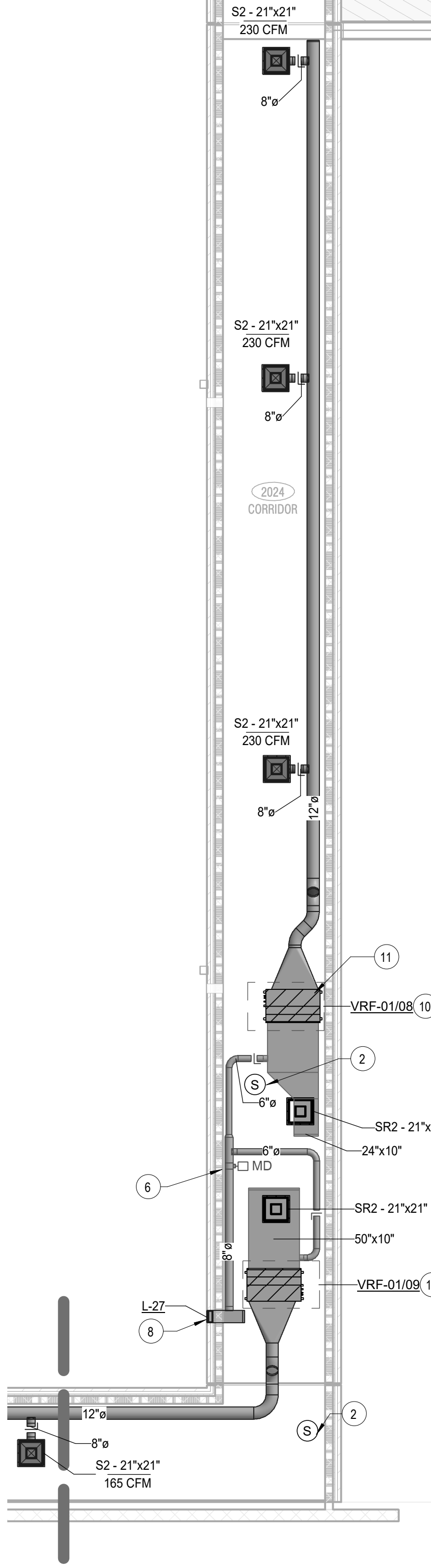
**NOTES BY SYMBOL "O": GENERAL NOTES:**

- REFER TO M211 FOR CONTINUATION.
- CONTRACTOR TO INSTALL RETURN AIR SENSORS IN CEILING ADJACENT TO UNIT. UNIT TO BE CONTROLLED BY CENTRAL CONTROLLER IN CLUSTER CONTROL STATION.
- OFFSET DUCT BELOW ADJACENT LOW ROOF.
- PROVIDE 6"x6" SR2 GRILLE AT CEILING WITH EF-14 ABOVE. REFER TO EXHAUST FAN-CEILING TYPE DETAIL.
- PROVIDE 6"x6" SR2 GRILLE AT CEILING WITH EF-17 ABOVE. REFER TO EXHAUST FAN-CEILING TYPE DETAIL.
- MOTORIZED DAMPER SHALL OPEN WHEN EITHER OF THE ASSOCIATED UNITS ARE ENERGIZED.
- BALANCE EXHAUST DAMPER TO 80 CFM.
- PROVIDE INSULATED PLENUM. DEPTH SHALL BE A MINIMUM OF 36".
- REFER TO M221 FOR CONTINUATION. TYPICAL ALL DIFFUSERS/GRILLES WITHIN SPACE.
- PROVIDE 12"x6" HINGED SECURITY ACCESS DOOR WITH KEYPAD ACCESS. CONTRACTOR SHALL ALIGN ACCESS DOOR UNDER FILER ACCESS OF ASSOCIATED UNIT ABOVE. MATCH FRAME AND ACCESS DOOR WITH CEILING. REFERENCE ARCHITECTURAL REFLECTIVE CEILING PLANS AND ROOM FINISH SCHEDULE. TYPICAL ALL VRF UNITS INSTALLED ABOVE SECURITY CEILING.
- PROVIDE THERMISTOR IN SUPPLY DUCT OF VRF DUCTED UNIT. THERMISTOR SHALL BE MAPPED BACK TO BAS. TYPICAL ALL DUCTED VRF UNITS.
- SUPPLY DUCT FOR FUTURE AHU TO BE INSTALLED AS HIGH AS POSSIBLE (AHAP). RETURN DUCT FOR FUTURE AHU TO BE INSTALLED BELOW SUPPLY. CAP ON ENDS FOR FUTURE CONNECTION. PROVIDE SECURITY BARRIER AS REQUIRED AND AT PENETRATION TO ALTERNATE #1. EXTEND DUCT 36" INTO ALTERNATE #1 AND CAP FOR FUTURE CONNECTION.
- REFER TO MP900 FOR GENERAL HVAC NOTES, ABBREVIATIONS, AND SYMBOLS.
- FURNISH AND INSTALL SECURITY BARRIER AS DETAILED IN ALL WALL, FLOOR, OR ROOF PENETRATION GREATER THAN 6"x6" IN SECURE AREA.
- PROVIDE SMOKE DETECTORS IN ALL SECURITY RETURN AIR AND EXHAUST AIR GRILLES WHERE ACCESSIBLE.
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- ALL SHEET METAL DUCTWORK PENETRATING FIRE RATED WALLS SHALL BE MINIMUM OF 26 GAUGE. ALL OTHER DUCT SHALL BE CONSTRUCTED AS SPECIFIED IN ACCORDANCE WITH THE LATEST EDITION OF SMACNA "HVAC DUCT CONSTRUCTION STANDARDS".
- DOUBLE NUT LOCK DOWN FOR MULTI-VANE DAMPERS INSTALLED IN HIGH VELOCITY DUCTWORK/SMOKE REMOVAL DUCTWORK.
- PROVIDE RADIUS FITTINGS FOR ALL DUCTWORK. WHERE NOT POSSIBLE SINGLE WALL TURNING VANES IN 30-45 DEG. TURNS IN DUCTWORK. TURNS GREATER THAN 45 DEG. SHALL BE DOUBLE WALL.
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**1 LEVEL 1 WEST FLOOR PLAN - DUCTWORK**  
1/8" = 1'-0"



**2 LEVEL 1 WEST FLOOR PLAN CONT - DUCTWORK**  
1/8" = 1'-0"



**COLLIN COUNTY ADF -  
PHASE 1 ADDITION**

4300 COMMUNIT AV. MCKENNY, TX 75071

Architect: Brinkley Sargent Wiginton Architects (972) 940-9970  
Civil: Pacheco Koch (214) 451-2765  
Structural: JQ Engineering (214) 532-9098  
MEP / IT: MD Engineering (469) 467-0200  
Security: Latifatech (972) 633-8650

**BRINKLEY SARGENT WIGINTON ARCHITECTS**

HISTORY		
#	DATE	DESCRIPTION
1	08.18.2021	ADDENDUM #2
2	11.11.2022	PR #9
3	02.17.2023	PR #9 REV-1



LEVEL 1 WEST FLOOR  
PLAN - DUCTWORK

21913  
07/13/2021 M212

**FOR BID**



GENERAL NOTES:

- 1 REFER TO MP000 FOR GENERAL HVAC NOTES, ABBREVIATION AND SYMBOLS.
2 FURNISH AND INSTALL SECURITY BARRIER AS DETAIL IN ALL WALL FLOOR OR ROOF PENETRATION GREATER THAN 6" IN SECURE AREA.
3 PROVIDE SMOKE DETECTORS IN ALL SECURITY RETURN AIR AND EXHAUST AIR GRILLES WHERE ACCESSIBLE.
4 ALL RADIUS TURNS SHALL BE SMOOTH WALL WITH A RADIUS OF R=1.5D.
5 ALL SUPPLY AND RETURN DIFFUSERS ARE TYPE 'S1/SR1' SECURITY DIFFUSERS IN CELL HOLDING AREAS AND 'S2/SR2' IN DETENTION DAYROOMS UNLESS SPECIFIED OTHERWISE.
6 SECURITY GRILLES LOCATED IN TECTUM LAY-IN CEILING SHALL BE SIZE SO FLANGE WILL ATTACH TO TECTUM TRACK TECTUM TRACK TO NEVER BE CUT.
7 COORDINATE WITH ALL TRADES BEFORE INSTALLING ANY EQUIPMENT OR DUCTWORK.
8 ALL DUCTWORK SHALL BE CONSTRUCTED TO PREVENT DEFLECTION OF GREATER THAN 0.125" AT 4" WC OF POSITIVE OR NEGATIVE PRESSURE.
9 ALL SHEET METAL DUCTWORK PENETRATING FIRE RATED WALLS SHALL BE MINIMUM OF 29 DBS. ALL OTHER DUCT SHALL BE CONSTRUCTED AS SPECIFIED IN ACCORDANCE WITH THE LATEST EDITION OF SMACNA HVAC DUCT CONSTRUCTION STANDARDS.
10 DOUBLE NUT LOCK DOWN FOR MULTI-VANE DAMPERS INSTALLED IN HIGH VELOCITY DUCTWORKS/SMOKE REMOVAL DUCTWORK.
11 PROVIDE RADIUS FITTINGS FOR ALL DUCTWORK, WHERE NOT POSSIBLE SINGLE WALL TURNING VANES IN 30-45 DEG. TURNS IN DUCTWORK. TURNS GREATER THAN 45 DEG. SHALL BE DOUBLE WALL.
12 SECURITY GRILLES LOCATED IN CELL CHASE WALLS SHALL BE MOUNTED AT 7'-0" A.F.F. BOTTOM OF GRILLE.
13 ALL AIR DEVICES SHALL HAVE MANUAL BALANCING DAMPERS AS INDICATED IN SPECIFICATIONS FOR BALANCING.
14 PROVIDE SECURITY HOLD DOWN CLIPS AND TAMPER PROOF SCREWS (TYPICAL) AT SECURED CEILING.
15 HVAC SYSTEM SHALL BE BALANCED IN SMOKE PURGE MODE WITH FLOW DATA VALUES REPORTED IN NORMAL OPERATION.
16 CONTRACT DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL INSTALL ALL MECHANICAL MATERIAL PER SMACNA STANDARDS.
17 INSTALL RETURN AIR SENSORS IN RETURN AIR DUCTS FOR CONTROLLING AHU'S SERVING DETENTION AREAS. CONTROLS SHALL BE LOCATED IN CLUSTER CONTROL STATION 2011. COORDINATE EXACT LOCATION WITH ARCHITECTS AND OWNER.
18 ALL GRILLES INSTALLED IN PLANK CEILING SHALL BE INSTALLED CENTERED BETWEEN PLANKS.
19 IF CABLE DAMPERS ARE USED, LOCATE IN NEAREST PLUMBING CHASE OR CLOSET. ALL CABLE DAMPERS SHALL HAVE AN IDENTIFICATION TAG INDICATING CELL, SUPPLY/RETURN, AND LOCATION OF DAMPER.

NOTES BY SYMBOL "O":

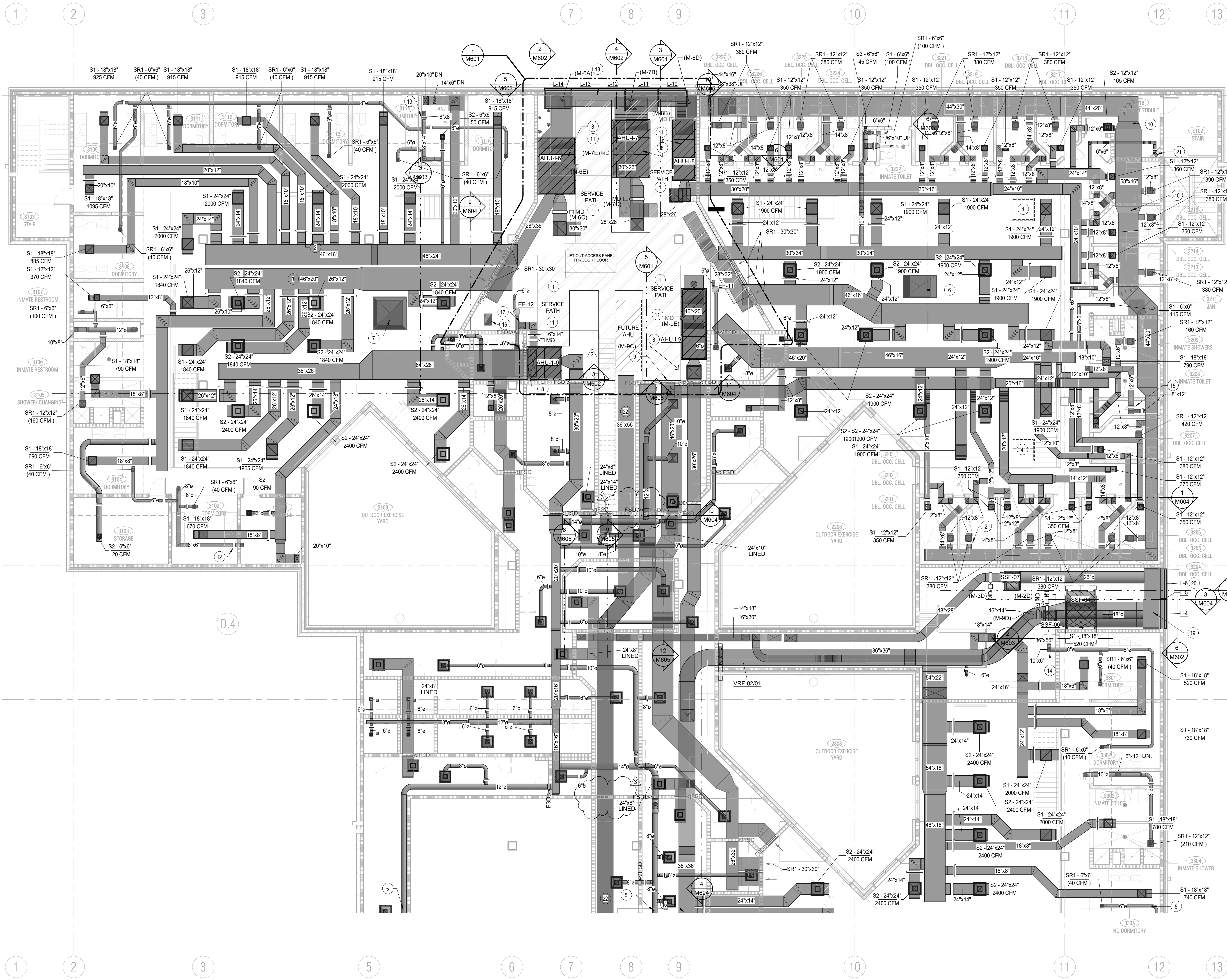
- 1 ALL DUCTWORK PIPING, WIRING AND CONDUIT SHALL BE 7'-0" ABOVE MEZZANINE FLOOR LEVEL.
2 PROVIDE CABLE CONTROLS FOR BALANCING DAMPERS INSTALLED ABOVE UNACCESSIBLE CEILING. DAMPER CONTROLLER SHALL BE LOCATED IN ADJACENT ACCESSIBLE SPACE AND IDENTIFIED WITH ROOM NUMBER. DAMPER CONTROLLER TO BE MOUNTED IN CEILING OF STORAGE ROOM, SAFETY VESTIBULE OR ACCESSIBLE PLUMBING CHASE CLOSEST TO DAMPER. TYPICAL ALL INSTANCES.
3 ROUTE MAIN DUCTWORK BETWEEN STRUCTURAL JOISTS. TAPS SHALL BE CONNECTED TO MAIN BELOW STRUCTURAL JOISTS.
4 DUCTWORK SHALL BE COORDINATED WITH SKYLIGHT.
5 REFER TO M222 FOR CONTINUATION.
6 PROVIDE 48"x72" WOVEN SECURITY MESH WITH A MINIMUM OF 75% OPEN AREA WITH 12" PLENUM.
7 PROVIDE 72"x72" WOVEN SECURITY MESH WITH A MINIMUM OF 75% OPEN AREA WITH 12" PLENUM.
8 UNIT SHALL BE CAPABLE OF DISASSEMBLING TO FIT THROUGH LIFT OUT ACCESS PANEL THROUGH FLOOR.
9 EMS CONTROL CABINETS.
10 DUCT SHALL BE REDUCED TO FIT BELOW LOW STRUCTURAL BEAM.
11 SERVICE PATH SHALL BE WIDE ENOUGH TO ALLOW FOR ADJACENT UNITS TO BE SERVICED. PATH WIDTH SHALL BE AT MINIMUM THE WIDEST COMPONENT IN ADJACENT EQUIPMENT.
12 BALANCE EXHAUST DAMPER TO 120 CFM.
13 BALANCE EXHAUST DAMPER TO 240 CFM.
14 PROVIDE DAMPER IN 6X6 DOWN TO FLOOR BELOW. BALANCE EXHAUST DAMPER TO 120 CFM.
15 BALANCE EXHAUST DAMPER TO 160 CFM.
16 26X16 EXHAUST TP TO ROOF.
17 OUTSIDE AIR UP. REFER TO D1/M601 FOR CONTINUATION.
18 PROVIDE INSULATED PLENUM. DEPTH SHALL BE A MINIMUM OF 36".
19 PROVIDE INSULATED PLENUM COMMUNICATING L-4 & L-5. DEPTH SHALL BE A MINIMUM OF 36".
20 PROVIDE INSULATED PANEL ON BACK SIDE OF INACTIVE SECTION. LOUVER SHALL BE REMOVABLE AND USED FOR ACCESS PATH FOR EQUIPMENT MAINTENANCE.
21 DUCT TO TERMINATE IN OPEN CHASE TO FLOOR BELOW. SEE FLOOR BELOW FOR FLOWRATE OF BALANCING DAMPER.
22 SUPPLY DUCT FOR FUTURE AHU TO BE INSTALLED AS HIGH AS POSSIBLE (40"AP). RETURN DUCT FOR FUTURE AHU TO BE INSTALLED BELOW SUPPLY. EXTEND DUCT INTO MECHANICAL ROOM AS SHOWN AND CAP ON ENDS FOR FUTURE CONNECTION. DUCT SHALL BE EXTENDED A MINIMUM OF 36" INTO MECHANICAL ROOM.

COLLIN COUNTY ADF - PHASE 1 ADDITION

4300 COMMUNITY AVE, MCKENNY, TX 75071

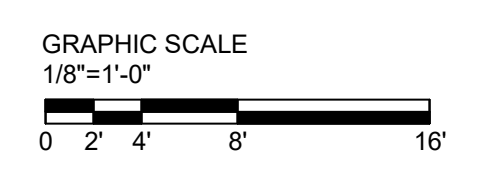
BRINKLEY SARGENT WIGINTON ARCHITECTS

FOR BID



1 TIER LEVEL EAST FLOOR PLAN - DUCTWORK
1/8" = 1'-0"

Revised
03/13/2023 2:37:22 PM
Delta 4 clouded
revisions
COM2021-06-00789
APPROVED FOR PERMIT ISSUANCE
CHIEF BUILDING OFFICIAL OR AGENT



MD ENGINEERING
Texas Registered Engineering Firm No. F-7489
355 West 15th Street, Suite 300 - Plano, TX 75075
PH: 469.467.0200 FAX: 469.467.0200
Email: mdengr@md-eng.com Project No: 201254

Table with 3 columns: #, DATE, DESCRIPTION. It lists revision history for the drawing.

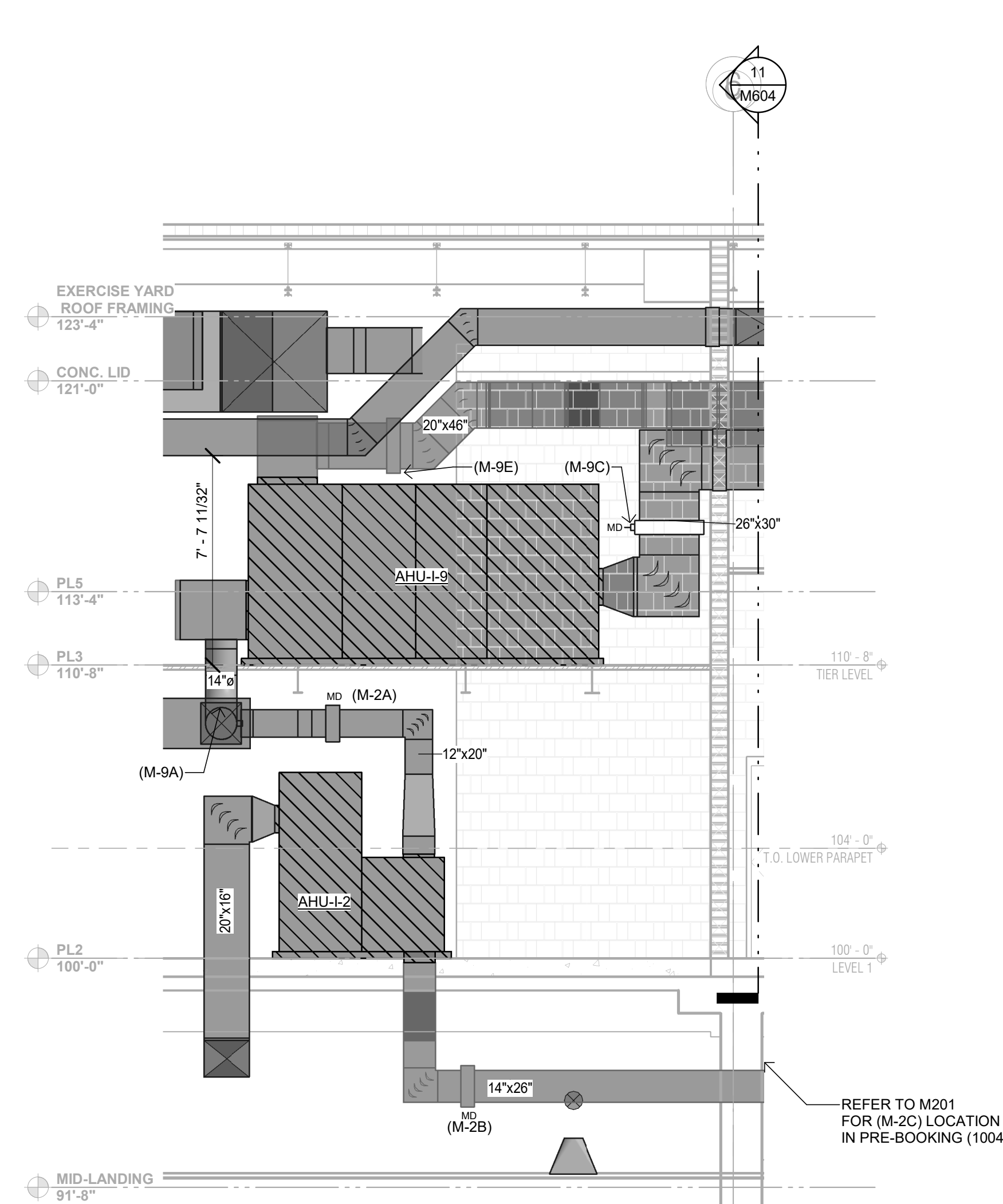


TIER LEVEL EAST FLOOR PLAN - DUCTWORK

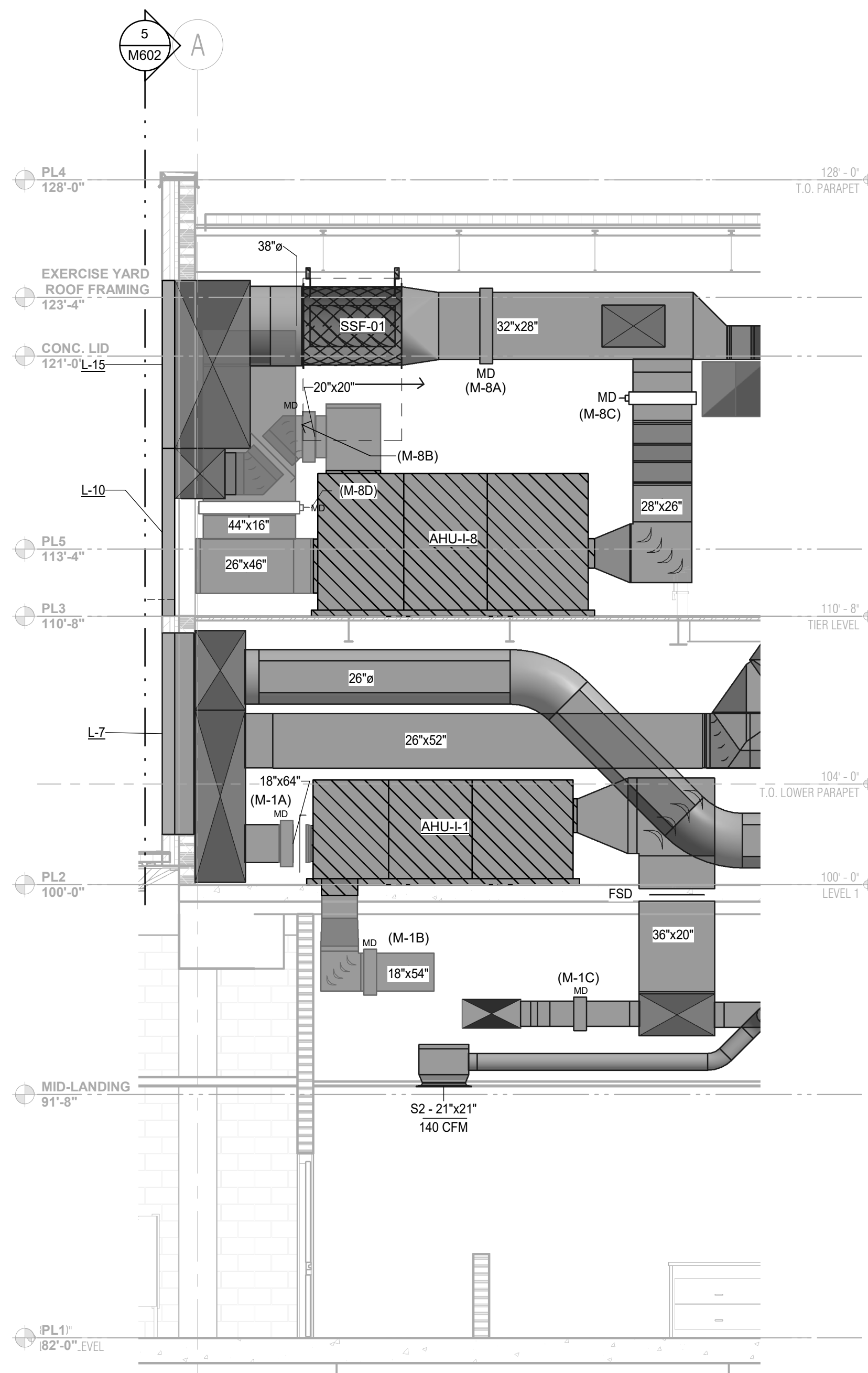
21913 07/13/2021 M221

NOTES BY SYMBOL "O":

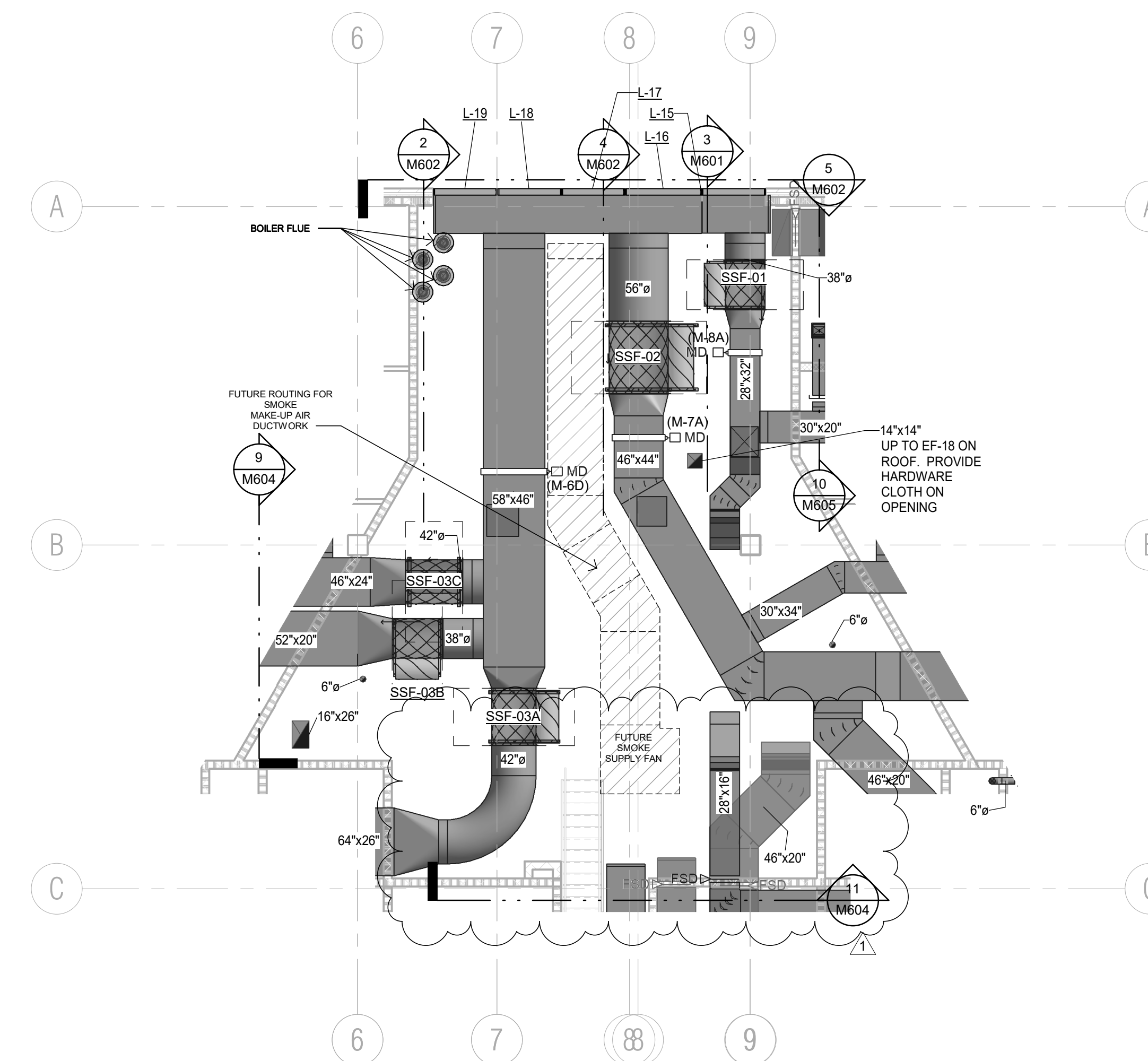
1 PROVIDE MANUAL BALANCING DAMPER FOR SUPPLY DIFFUSER WITHIN ADJACENT CHASE. TYPICAL ALL SIMILAR INSTANCES.



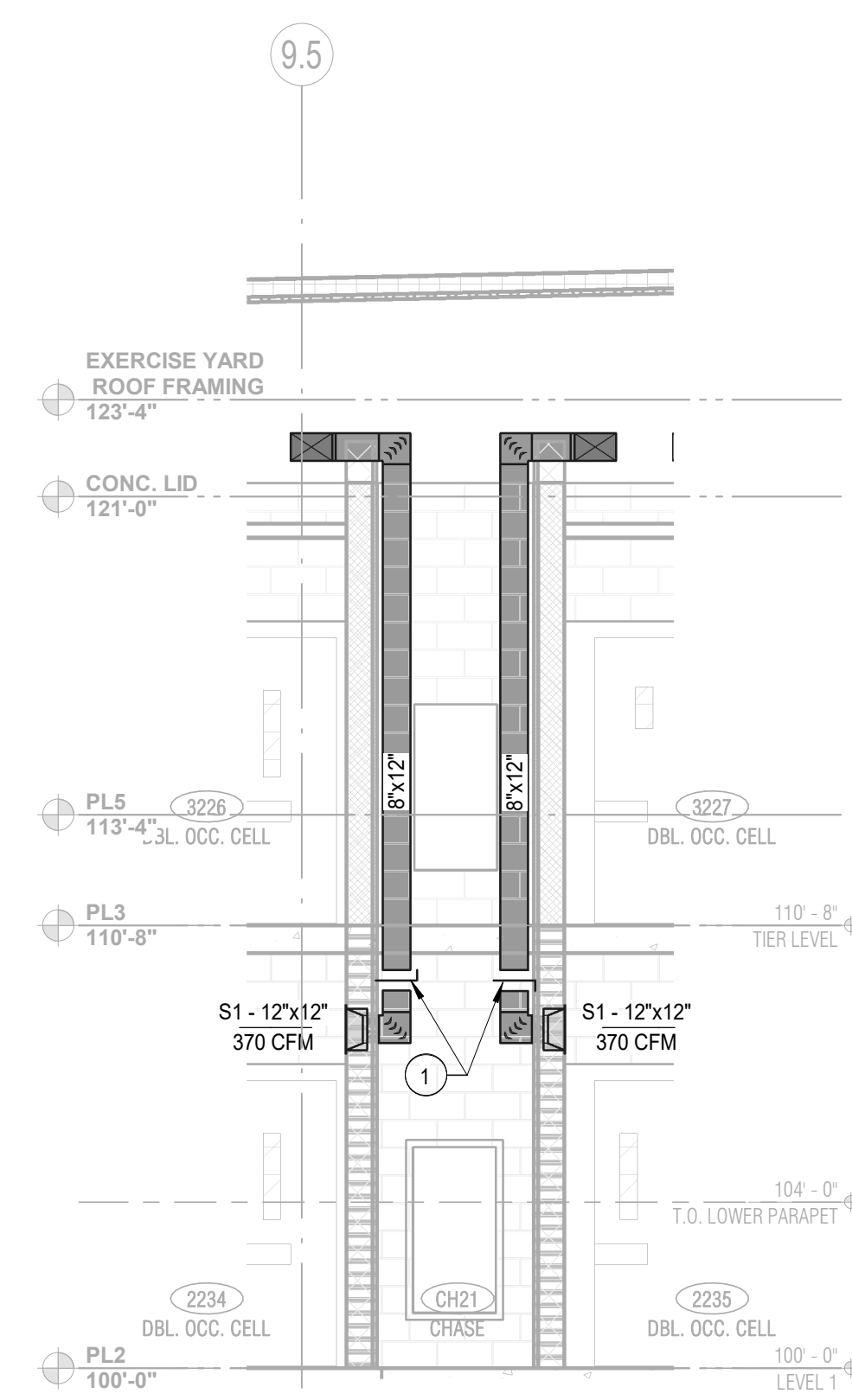
5 AHU-12 & 19 - SECTION  
1/4" = 1'-0"



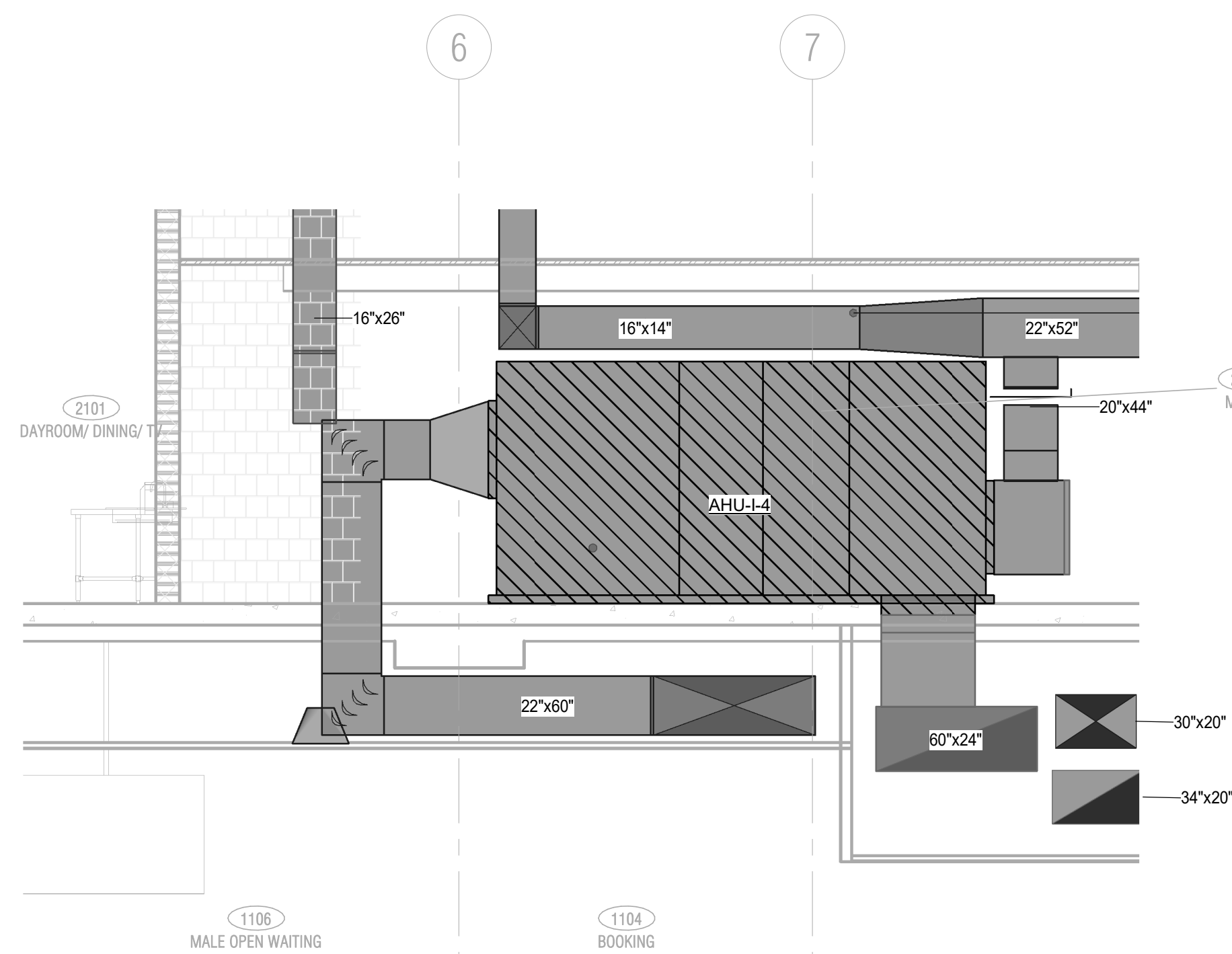
3 AHU-11 & 18 - SECTION  
1/4" = 1'-0"



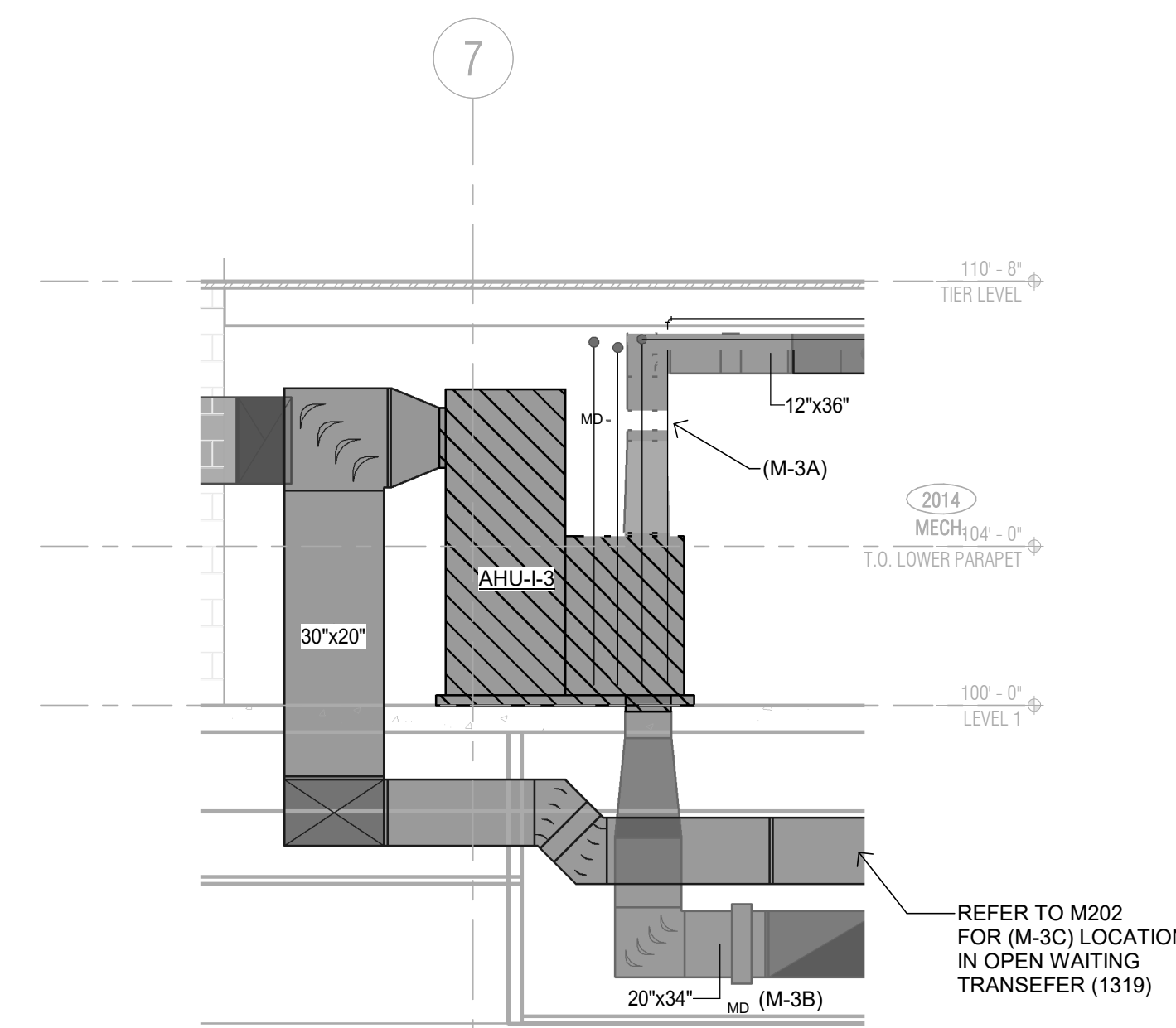
1 TIER LEVEL EAST FLOOR PLAN - HIGH DUCTWORK  
1/8" = 1'-0"



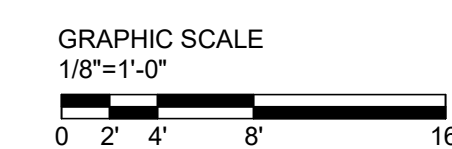
6 CHASE (TYPICAL) - SECTION  
1/4" = 1'-0"



4 AHU-14 - SECTION  
1/4" = 1'-0"



2 AHU-13 - SECTION  
1/4" = 1'-0"



Revised

11/18/2022 9:20:55 AM

Clouded revisions

COM2021-06-00789

APPROVED FOR PERMIT ISSUANCE  
Michael Joseph Smith  
CHIEF BUILDING OFFICIAL OR AGENT

Table with 2 columns: #, DATE, DESCRIPTION. Row 1: 1, 11.11.2022, PR #9



SECTIONS / LARGE SCALE PLANS

21913 07/13/2021 M601

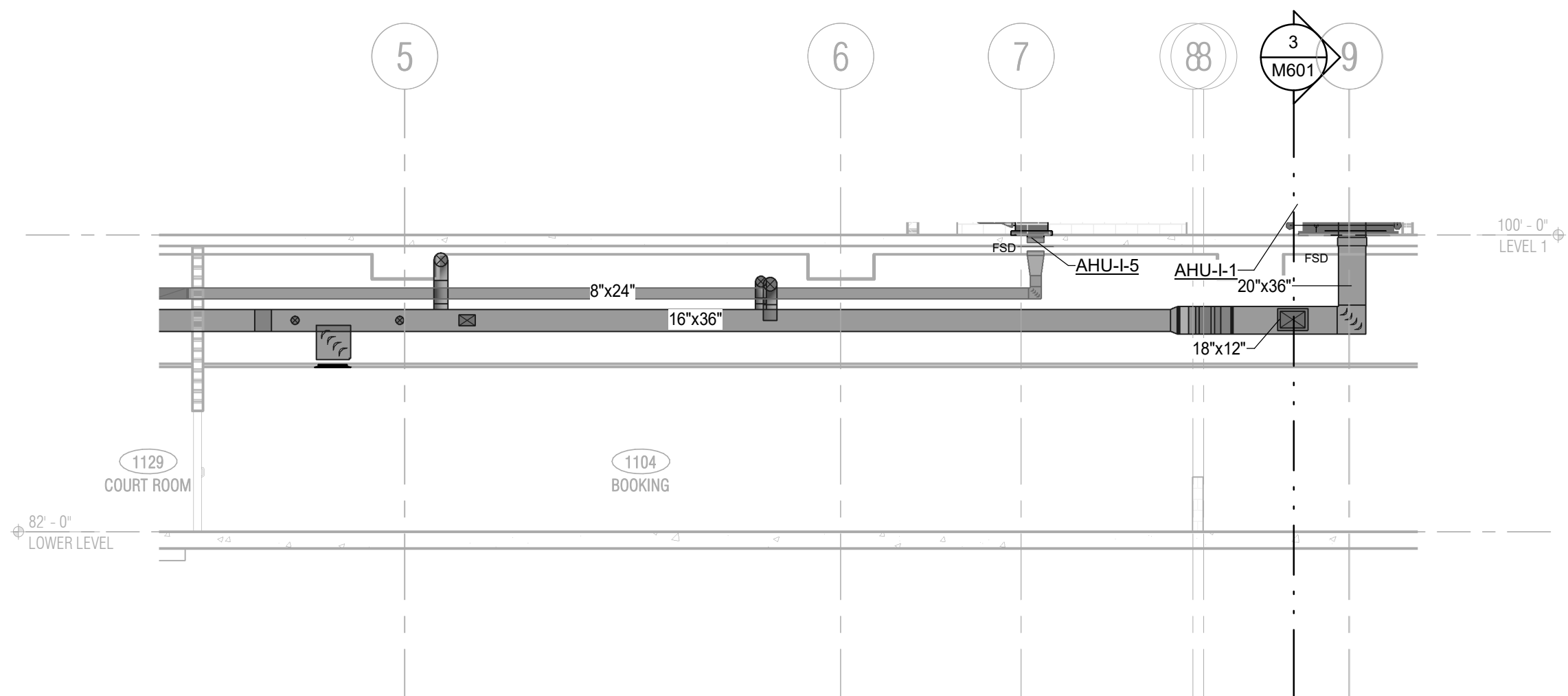
COLLIN COUNTY ADF - PHASE 1 ADDITION

4300 COMMUNITY AVE, MCKENNY, TX 75071

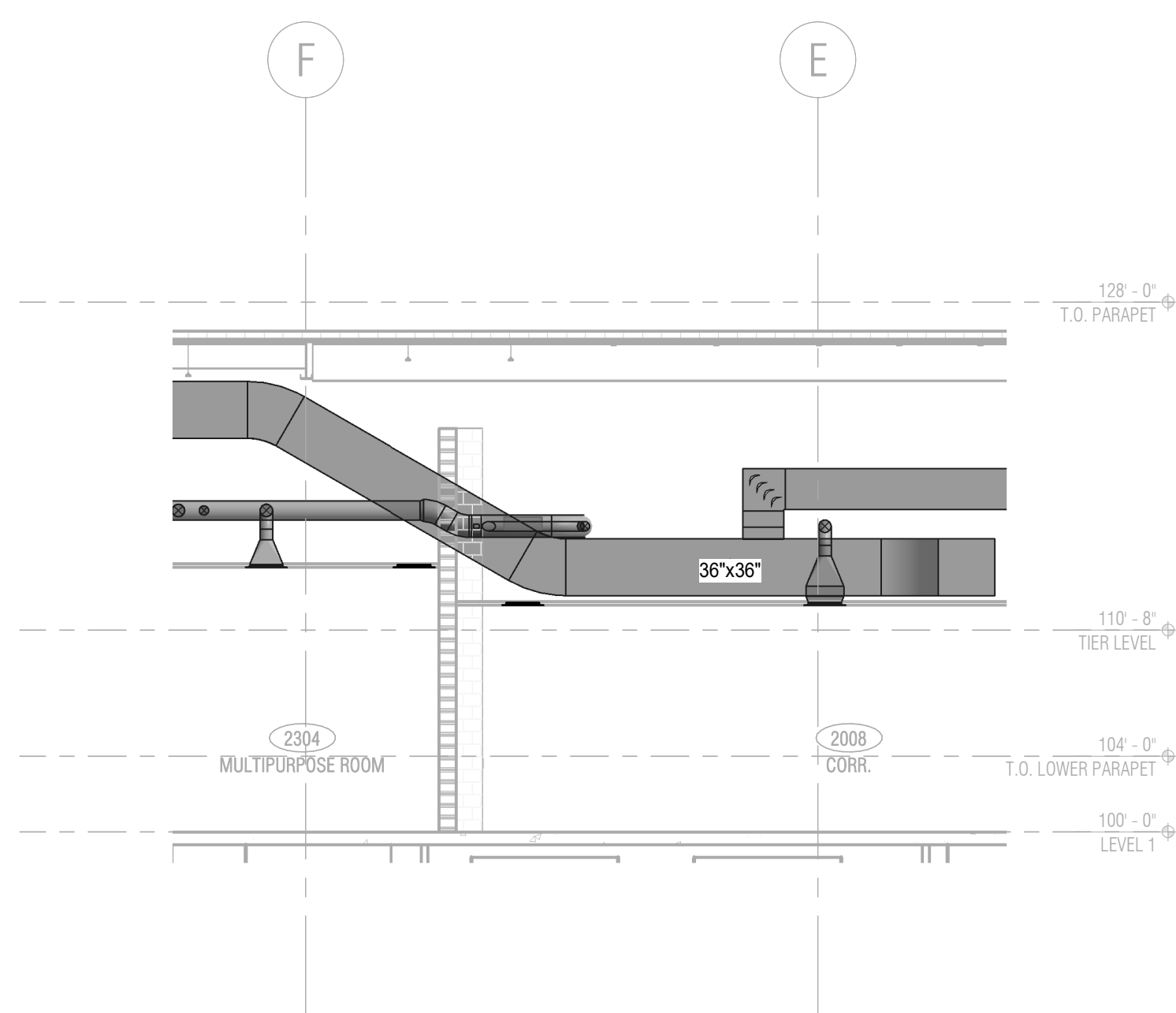
Architect: Brinkley Sargent Wiginton Architects (972) 960-9970  
Civil: Pacheco Koch (214) 451-2765  
Structural: JQ Engineering (214) 532-9098  
MEP / IT: MD Engineering (469) 467-0200  
Security: Lattatech (972) 633-8650

BRINKLEY SARGENT WIGINTON ARCHITECTS

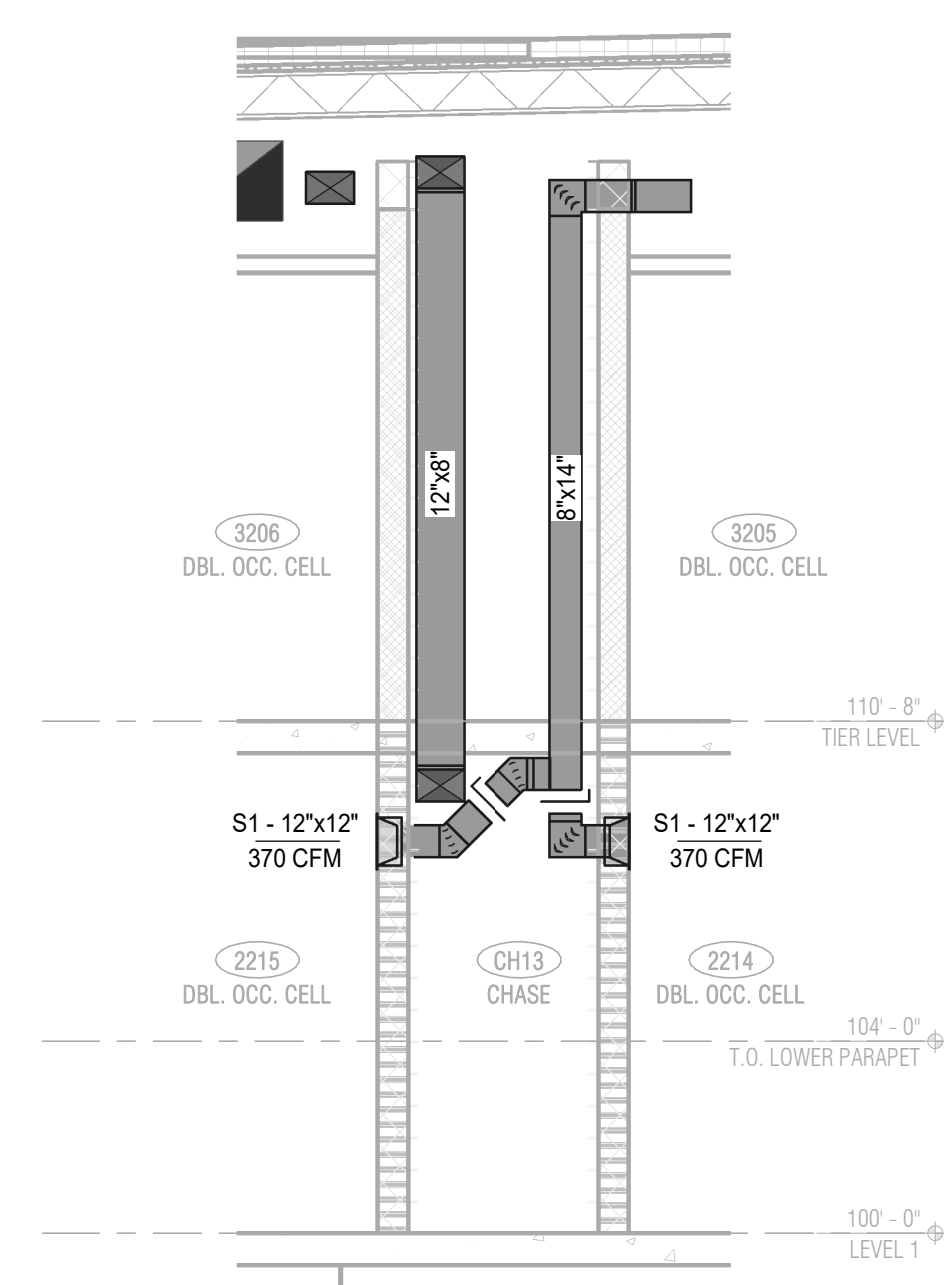
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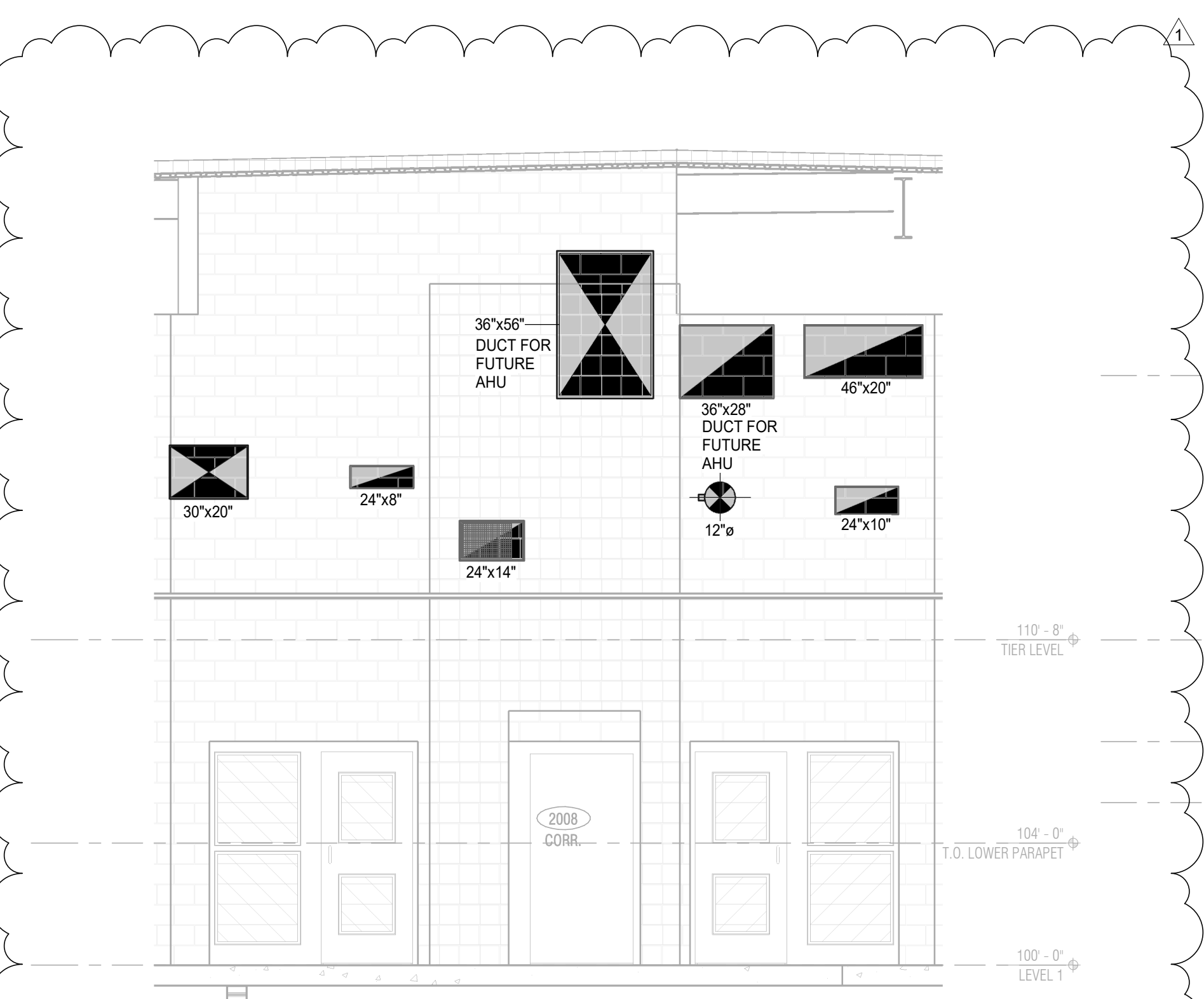
7 BOOKING (1104) - SECTION  
1/8" = 1'-0"



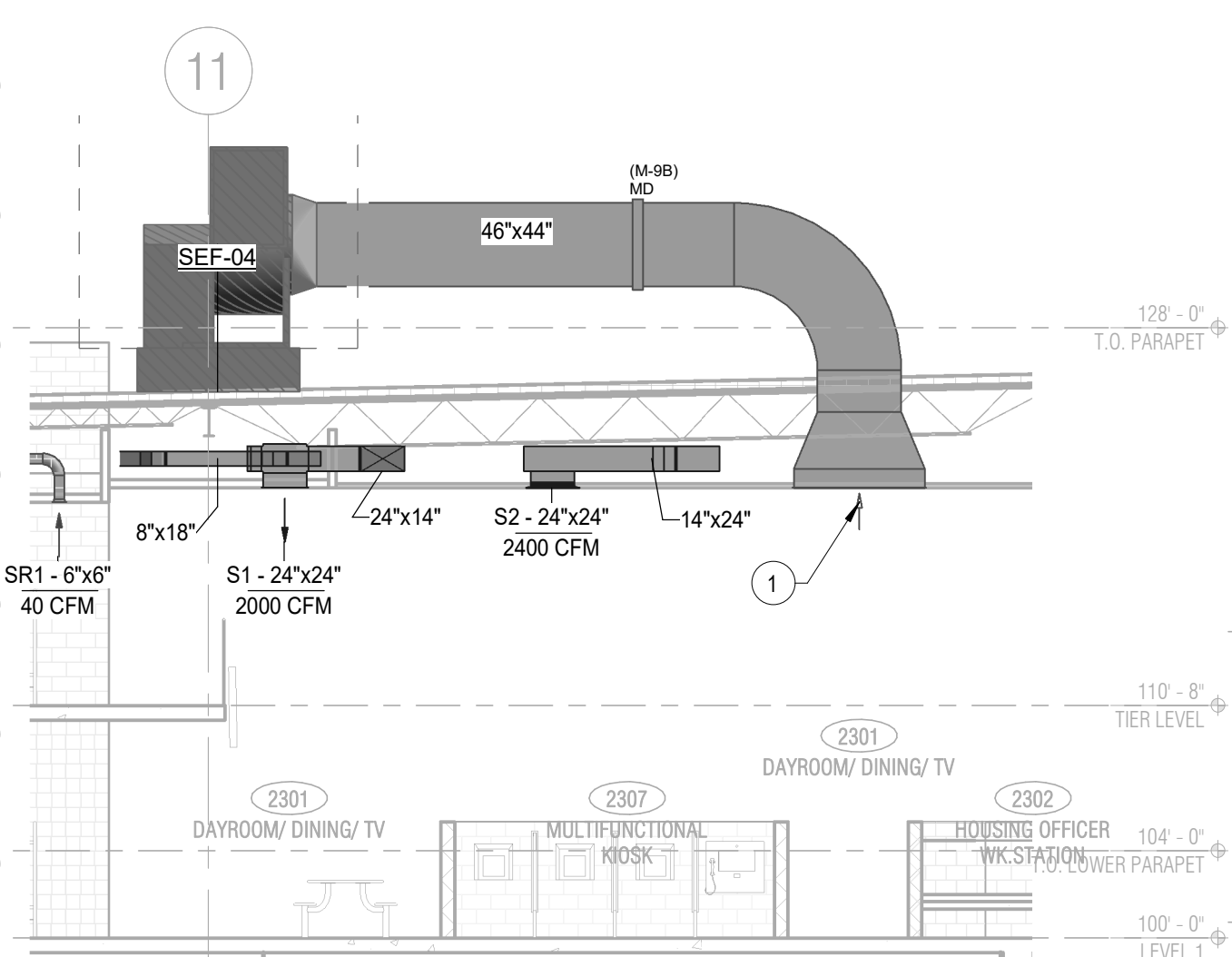
4 CORRIDOR 2008 - SECTION  
1/8" = 1'-0"



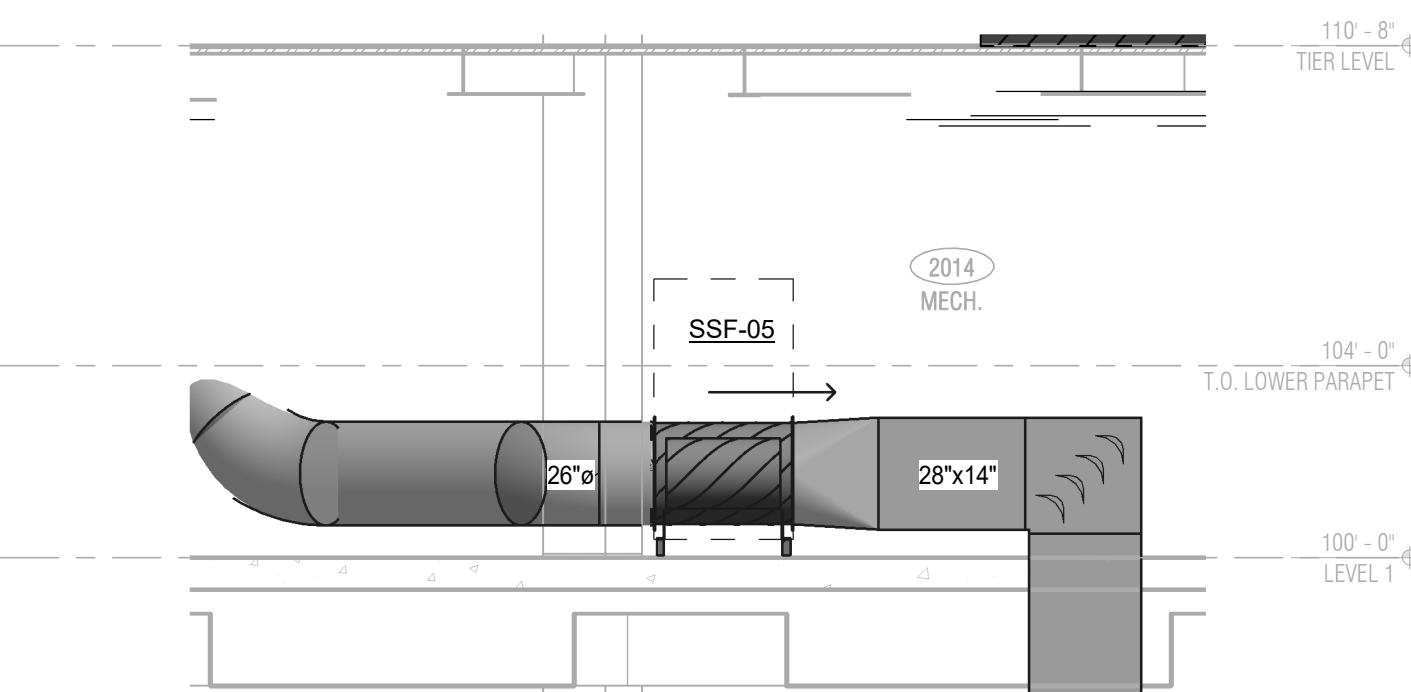
1 CHASE (CH13) - SECTION  
1/4" = 1'-0"



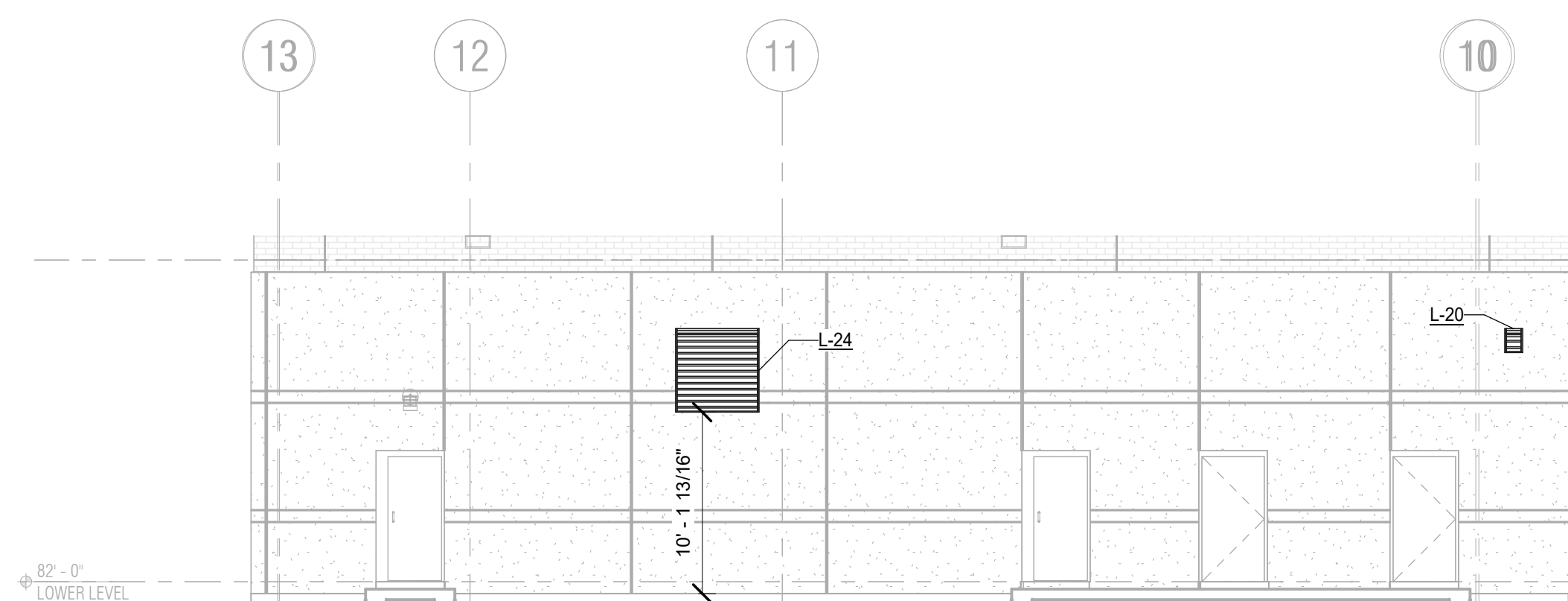
10 WEST DUCTWORK - SECTION  
1/4" = 1'-0"



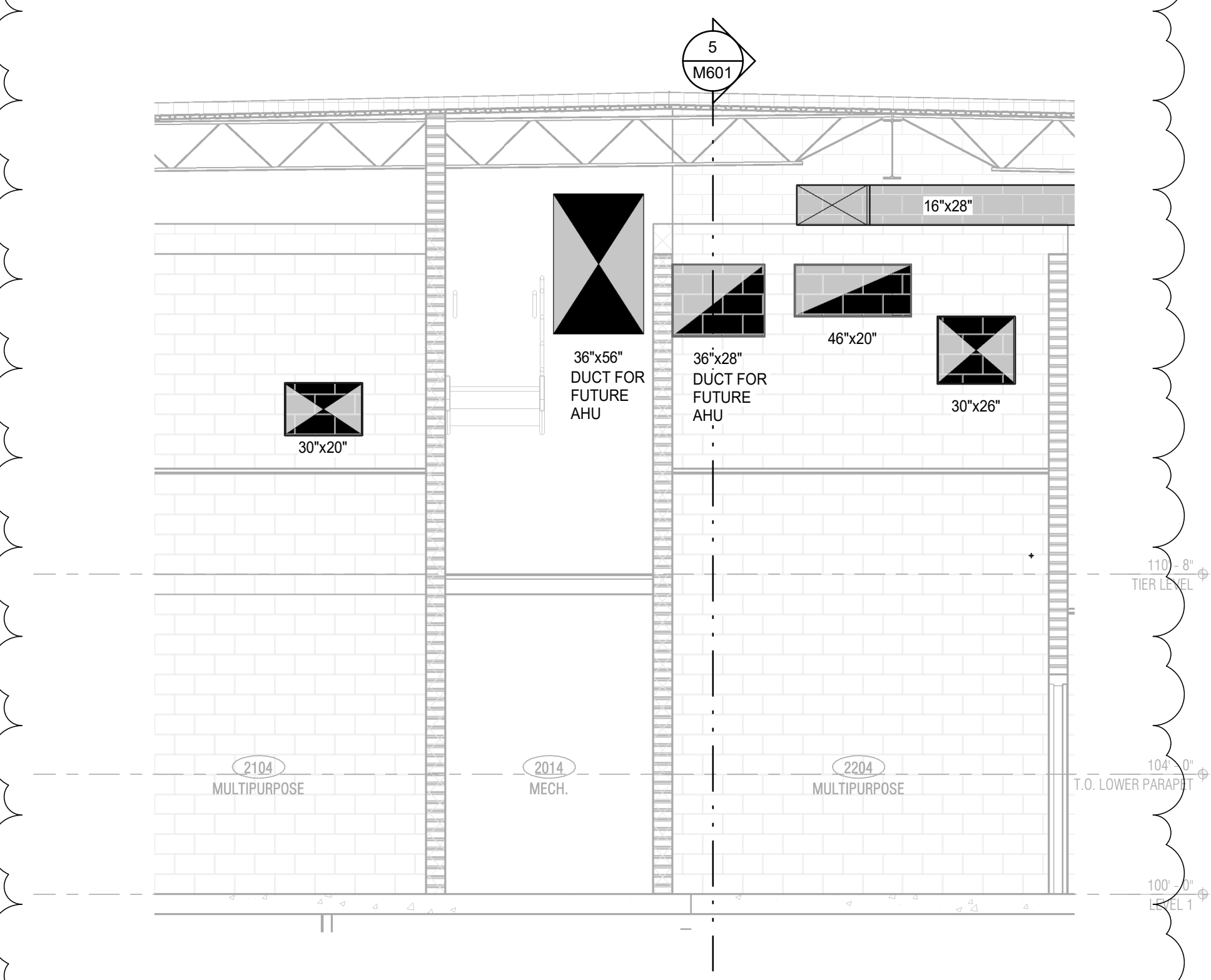
8 SEF-04 - SECTION  
1/8" = 1'-0"



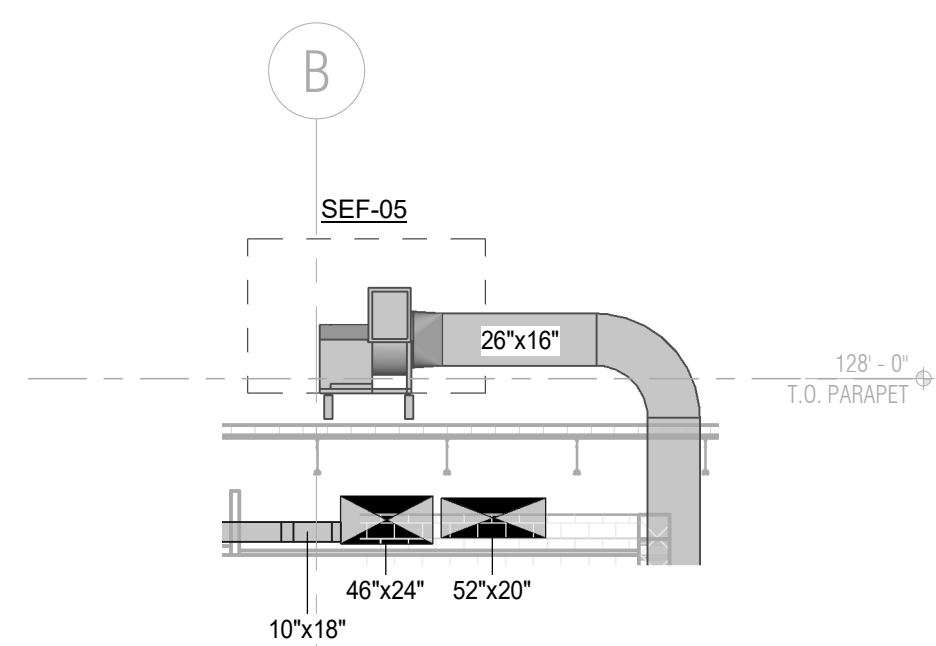
5 SSF-05 - SECTION  
1/4" = 1'-0"



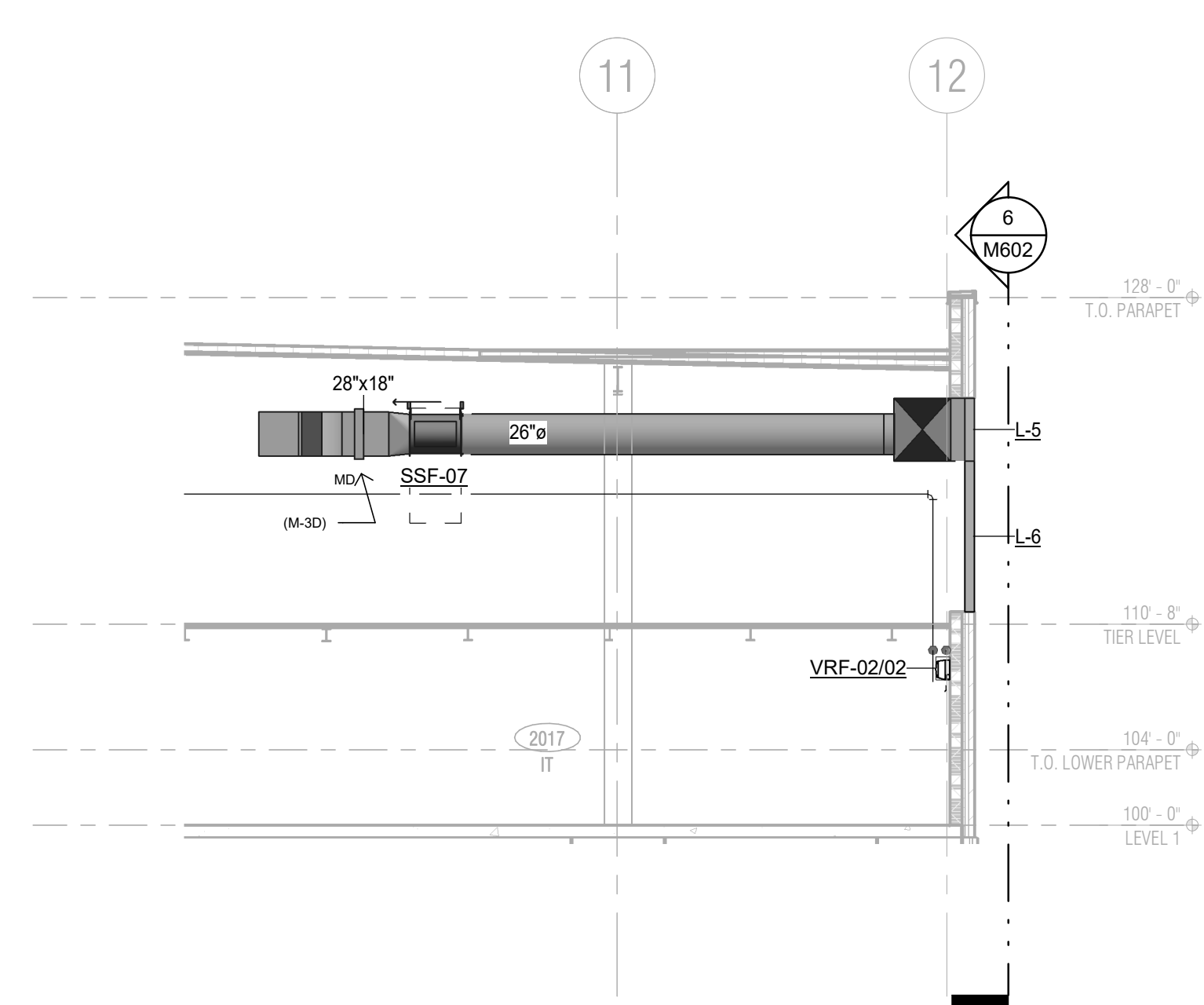
2 L-20 & L-24 - SECTION  
1/8" = 1'-0"



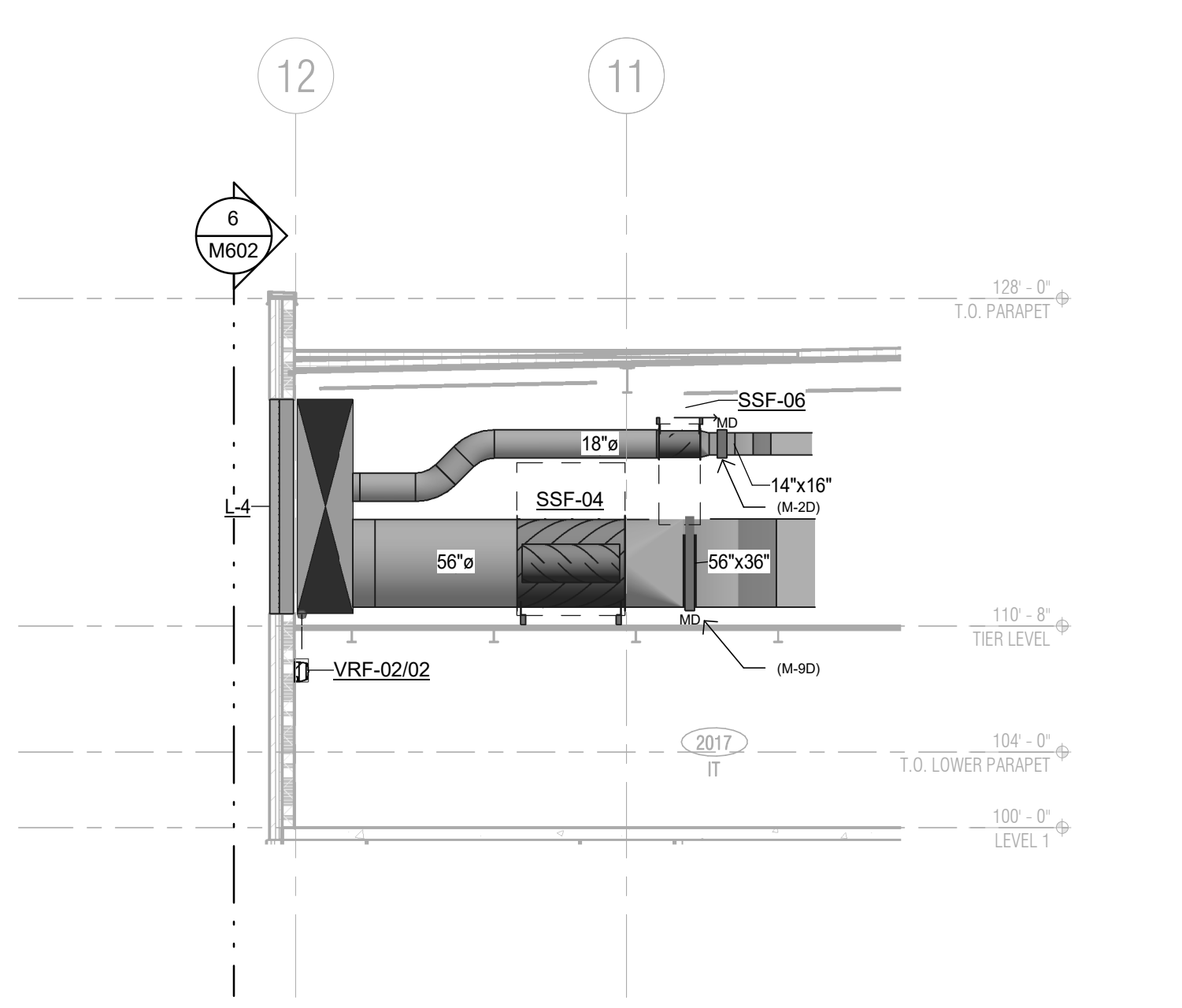
11 EAST DUCTWORK - SECTION  
1/4" = 1'-0"



9 SEF-05 - SECTION  
1/8" = 1'-0"



6 SSF-07 - SECTION  
1/8" = 1'-0"



3 SSF-06 & SSF-04 - SECTION  
1/8" = 1'-0"

# COLLIN COUNTY ADF - PHASE 1 ADDITION

4300 COMMUNITY AVE, MCKENNY, TX 75071

Architect: Brinkley Sargent Wiginton Architects (972) 960-9970  
Civil: Pacheco Koch (214) 451-2765  
Structural: JQ Engineering (214) 532-9098  
MEP / IT: MD Engineering (469) 467-0200  
Security: LattatTech (972) 633-8650

BRINKLEY SARGENT WIGINTON ARCHITECTS

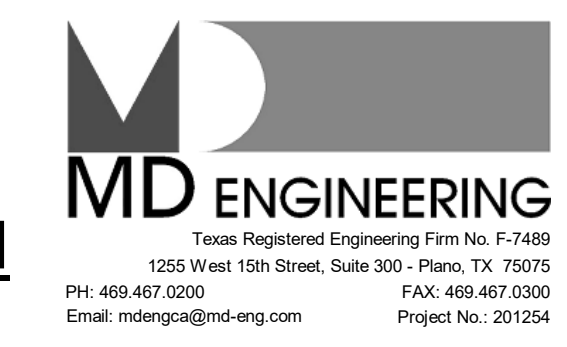
#	DATE	DESCRIPTION
1	11.11.2022	PR #9

**Revised**  
11/18/2022 9:20:56 AM  
Clouded revisions  
COM2021-06-00789

APPROVED FOR PERMIT ISSUANCE  
MICHAEL JOSEPH SMITH  
87333  
PROFESSIONAL ENGINEER



SECTIONS / LARGE SCALE PLANS

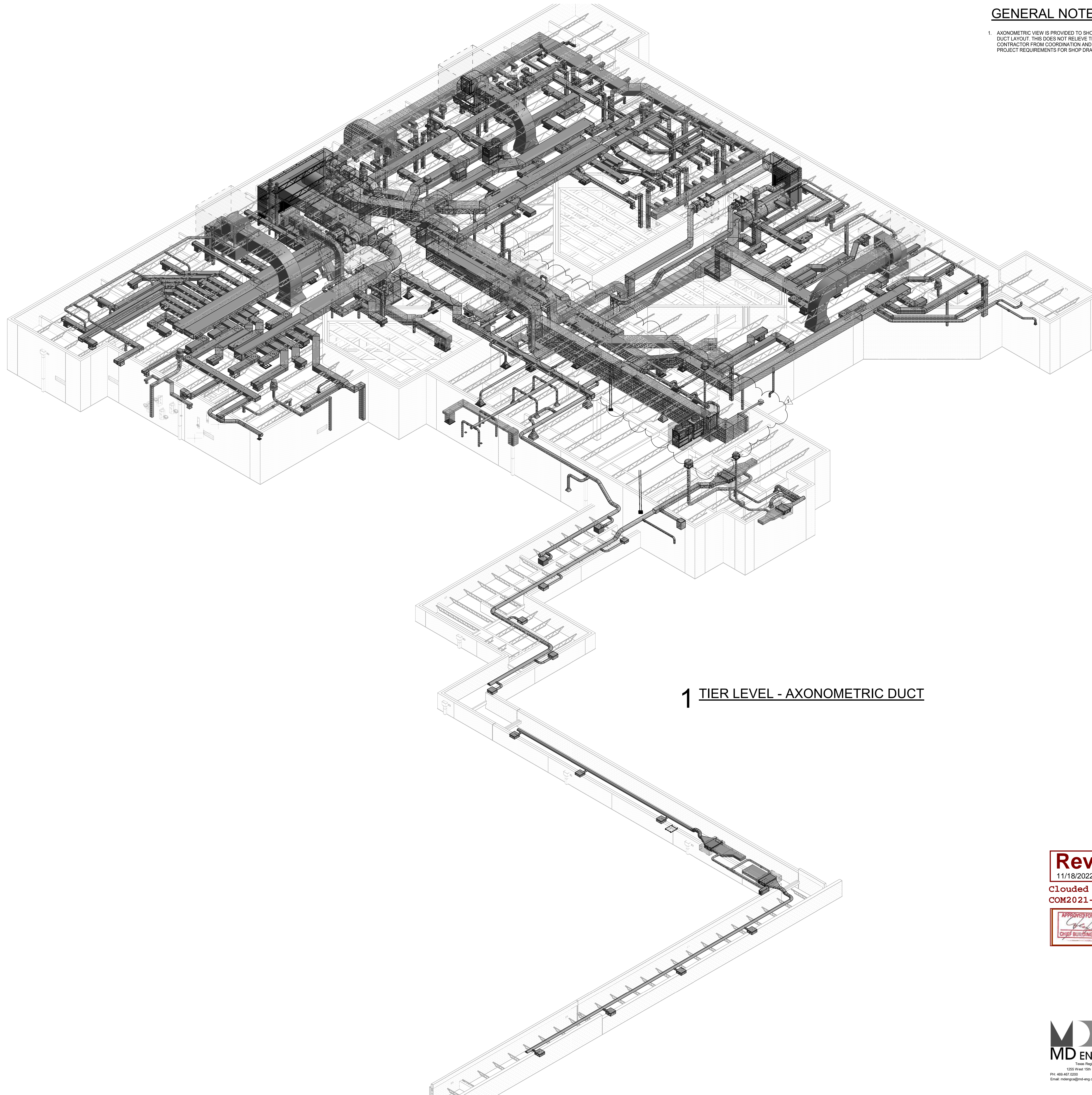


21913  
07/13/2021 M604

FOR BID

GENERAL NOTES:

1. AXONOMETRIC VIEW IS PROVIDED TO SHOW GENERAL DUCT LAYOUT. THIS DOES NOT RELIEVE THE CONTRACTOR FROM COORDINATION AND ALL PROJECT REQUIREMENTS FOR SHOP DRAWINGS.



1 TIER LEVEL - AXONOMETRIC DUCT

Architect: Brinkley Sargent Wiginton Architects (972) 940-9970  
Civil: Pacheco Koch (214) 511-2765  
Structural: JQ Engineering (214) 732-9098  
MEP / IT: MD Engineering (469) 467-0200  
Security: LattatTech (972) 633-8650

BRINKLEY SARGENT WIGINTON ARCHITECTS

# COLLIN COUNTY ADF - PHASE 1 ADDITION

4300 COMMUNITT AVE, MCKENNY, TX 75071

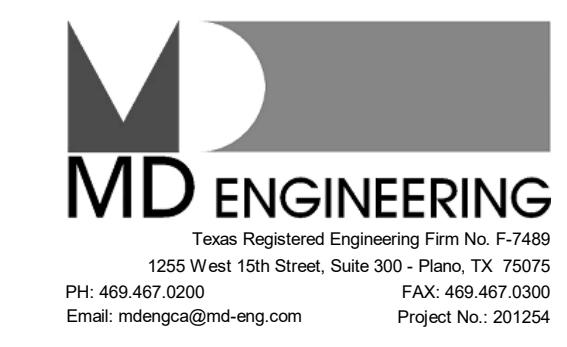
HISTORY		
#	DATE	DESCRIPTION
1	11.11.2022	PR #9

**Revised**  
11/18/2022 9:20:56 AM  
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COM2021-06-00789

APPROVED FOR PERMIT ISSUANCE  
*Michael Joseph Smith*  
CHIEF BUILDING OFFICIAL OR AGENT

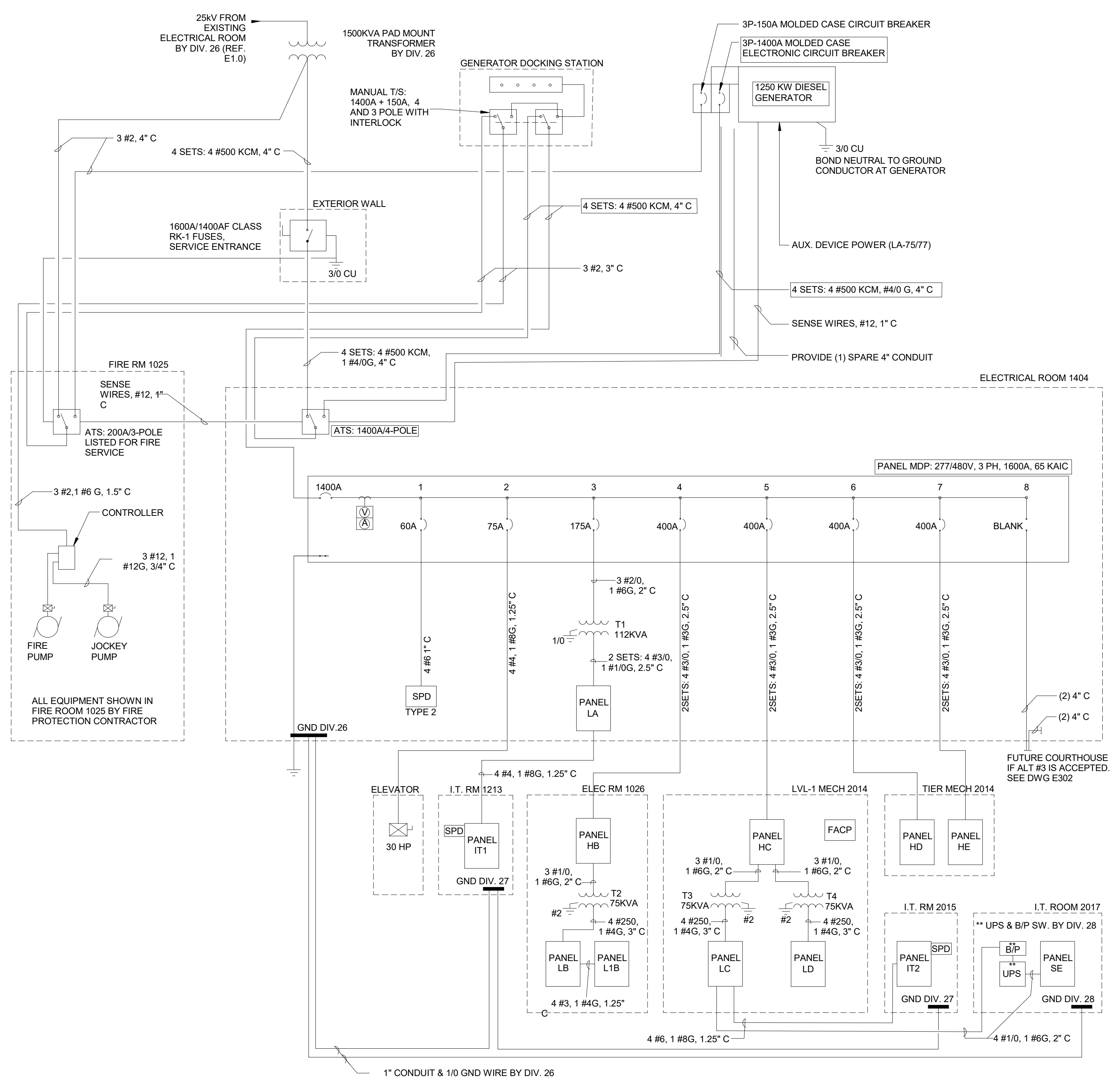


TIER LEVEL -  
AXONOMETRIC DUCT



21913  
07/13/2021 M703

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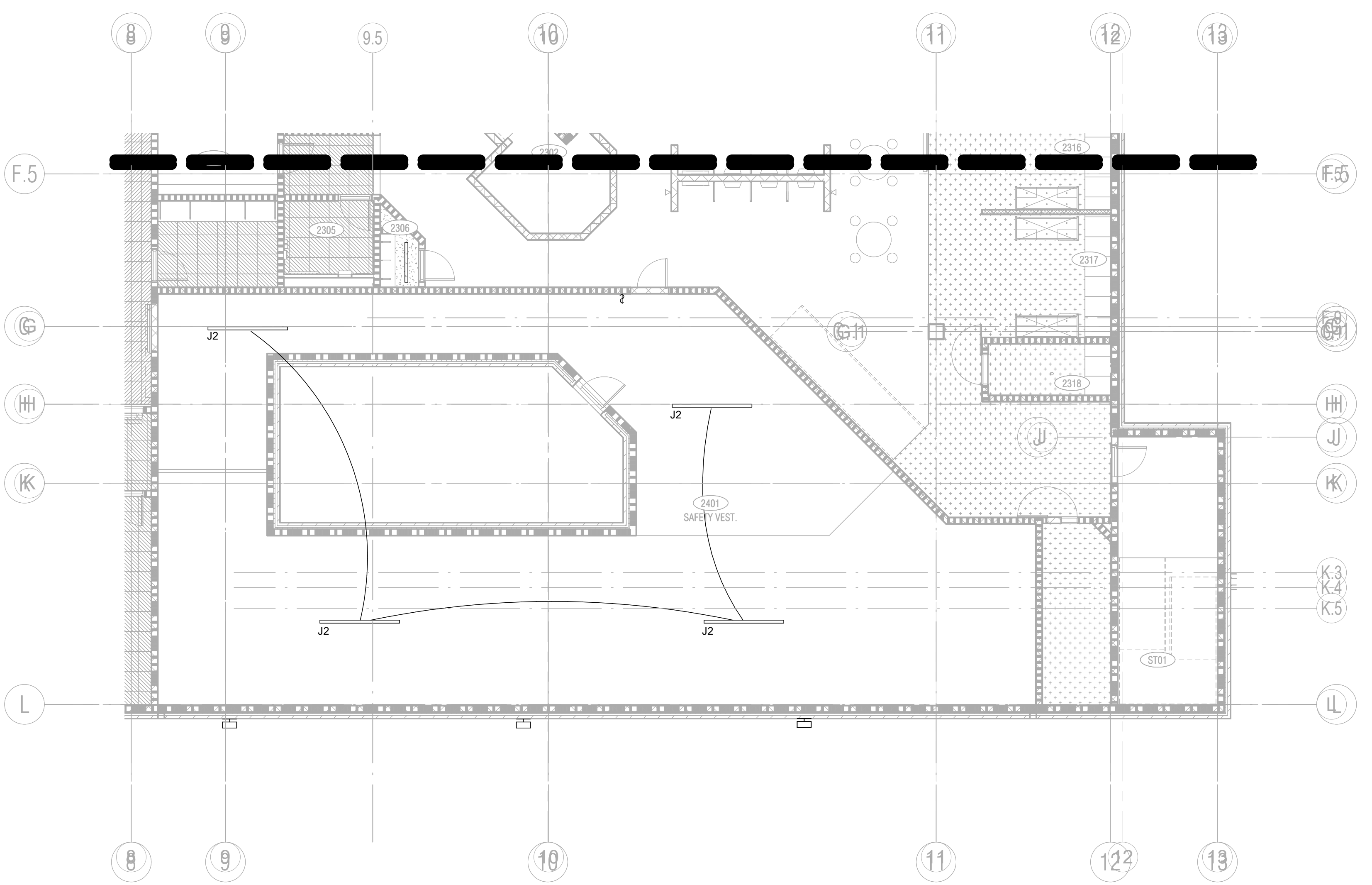
**3 ONE LINE DIAGRAM - ALT #3**  
1/8" = 1'-0"

MAIN DISTRIBUTION PANEL MDP / LOAD SUMMARY - WITHOUT FUTURE COURTHOUSE											
CKT	DESCRIPTION	CONNECTED LOAD (KVA)					CONNECTED LOAD		FEEDER AND BREAKER SIZE		
		LTG	RCPT	MTR	HEAT	KITCH	MISC	KVA	AMPS	C/B	WIRE/CONDUIT
1	SURGE PROTECTIVE DEVICE (SPD)	0.00	0.00	32.00	0.00	0.00	0.0	0.0	60	4 #6, 1" C	
2	ELEVATOR	0.00	48.17	27.66	4.00	0.00	32.0	40.0	75A	4 #4, 1 #2G, 1.25" C	
3	TRANSFORMER T1 (PANEL LA)	24.85	48.80	67.52	20.40	0.00	79.8	96.0	175A	3 #2/0, #6 G, 2" C	
4	PANEL HB	12.25	105.94	71.77	42.00	0.00	161.6	185.2	225A	4 #4/0, 1 #4G, 2.5" C	
5	PANEL HC	8.70	0.00	159.18	0.00	0.00	232.0	227.7	400A	4 #600KCM, 1 #2G, 3.5" C	
6	PANEL HD	0.00	0.00	209.61	0.00	0.00	167.9	213.0	400A	4 #600KCM, 1 #2G, 3.5" C	
7	PANEL HE	0.00	0.00	209.61	0.00	0.00	209.6	265.1	400A	4 #600KCM, 1 #2G, 3.5" C	
8	SPARE						300.0	360.8	400A	4 #600KCM, 1 #2G, 3.5" C	
CONNECTED LOAD		45.80	202.91	567.74	66.40	0.00	1182.9	1388.0			
DIVERSITY (NEC)		1.25	NEC	NEC	1.00	0.65	1.00				
DESIGN LOAD (NEC)		<b>57.25</b>	<b>106.46</b>	<b>573.24</b>	<b>66.40</b>	<b>0.00</b>					
DESIGN KVA		803.3									
FUTURE COURTHOUSE KVA		300.0									
TOTAL KVA		1103.3									
DESIGN AMPS		1327.1									

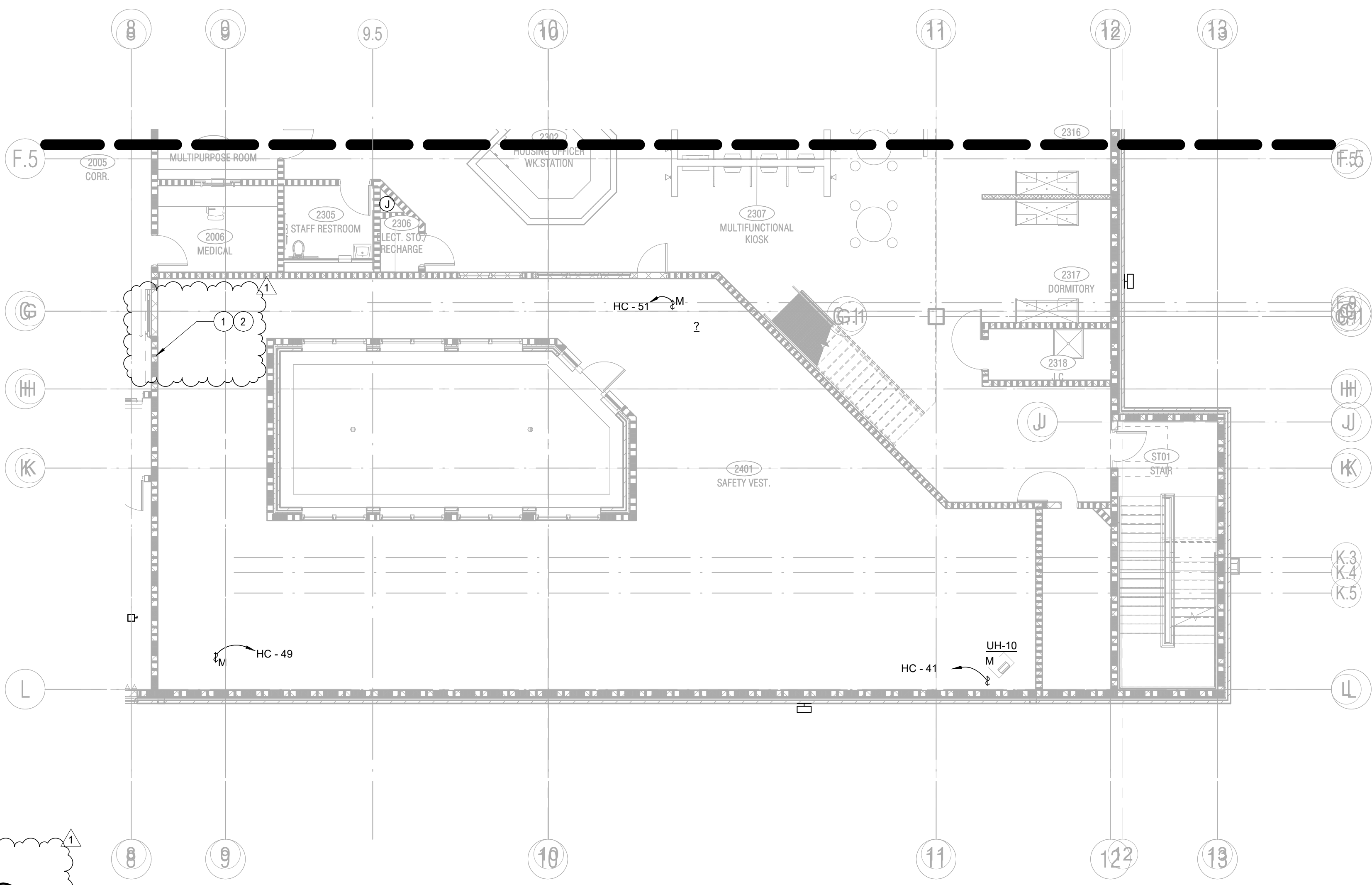
**4 MAIN DISTRIBUTION PANEL LOAD - ALT #3**

**NOTES BY SYMBOL "O":**

- PROVIDE (4) 1" CONDUITS WITH PULL STRING BACK TO PANEL LC FOR FUTURE POWER. PROVIDE PULL BOXES AS REQUIRED. E701
- PROVIDE (3) 1" CONDUITS WITH PULL STRING BACK TO PANEL HD FOR FUTURE LIGHTING. PROVIDE PULL BOXES AS REQUIRED. E701



**2 LEVEL 1 WEST FLOOR PLAN - LIGHTING - ALT #1**  
1/8" = 1'-0"

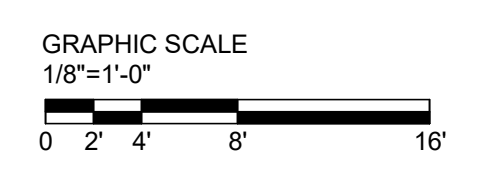


**1 LEVEL 1 WEST FLOOR PLAN - ELECTRICAL - ALT #1**  
1/8" = 1'-0"

**Revised**  
11/18/2022 9:20:56 AM

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COM2021-06-00789

APPROVED FOR PERMIT ISSUANCE  
Randell R. Jepsen  
CHIEF BUILDING OFFICIAL OR AGENT



**MD ENGINEERING**  
Texas Registered Engineering Firm No. F-7489  
1205 West 10th Street, Suite 300 - Plano, TX 75075  
PH: 469.467.0200 FAX: 469.467.0200  
Email: mdeng@md-eng.com Project No: 201254

**COLLIN COUNTY ADF -  
PHASE 1 ADDITION**

4300 COMMUNITY AVE, MCKINNEY, TX 75071

Architect: Brinkley Sargent Wighton Architect(972) 960-9970  
Civil: Pacheco Koch (214) 451-2765  
Structural: JQ Engineering (214) 752-9098  
MEP / IT: MD Engineers (469) 467-0200  
Security: Lettotech (972) 633-8650

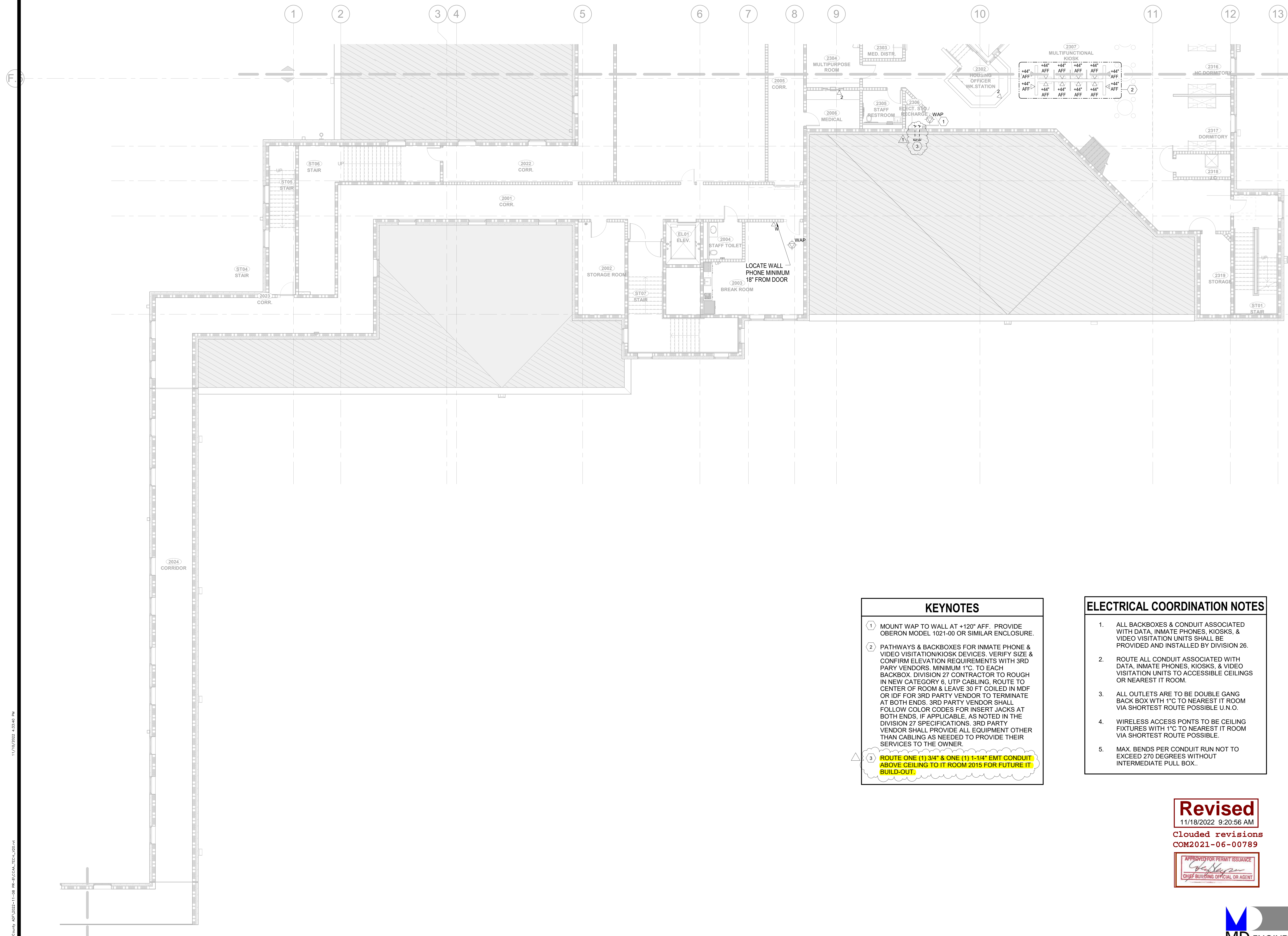
**BRINKLEY SARGENT WIGHTON ARCHITECTS**

#	DATE	DESCRIPTION
1	11/11/2022	PR #9



FLOOR PLAN - ALT #1 - ELECTRICAL & ONE LINE - ALT #3

**FOR BID**



# COLLIN COUNTY ADF - PHASE 1 ADDITION

4300 COMMUNITY AVE, MCKINNEY, TX 75071

Architect: Brinkley Sargent Wigninton Architects #921960-9970  
 Civil: Pacheco Koch (214) 451-2765  
 Structural: JQ Engineering (214) 532-9098  
 MEP / IT: MD Engineering (469) 467-0200  
 Security: Latitech (972) 633-8650

BRINKLEY SARGENT WIGNINTON ARCHITECTS

### KEYNOTES

- ① MOUNT WAP TO WALL AT +120" AFF. PROVIDE OBERON MODEL 1021-00 OR SIMILAR ENCLOSURE.
- ② PATHWAYS & BACKBOXES FOR INMATE PHONE & VIDEO VISITATION/KIOSK DEVICES. VERIFY SIZE & CONFIRM ELEVATION REQUIREMENTS WITH 3RD PARTY VENDORS. MINIMUM 1" C. TO EACH BACKBOX. DIVISION 27 CONTRACTOR TO ROUGH IN NEW CATEGORY 6, UTP CABLING, ROUTE TO CENTER OF ROOM & LEAVE 30 FT COILED IN MDF OR IDF FOR 3RD PARTY VENDOR TO TERMINATE AT BOTH ENDS. 3RD PARTY VENDOR SHALL FOLLOW COLOR CODES FOR INSERT JACKS AT BOTH ENDS, IF APPLICABLE. AS NOTED IN THE DIVISION 27 SPECIFICATIONS. 3RD PARTY VENDOR SHALL PROVIDE ALL EQUIPMENT OTHER THAN CABLING AS NEEDED TO PROVIDE THEIR SERVICES TO THE OWNER.
- ③ ROUTE ONE (1) 3/4" & ONE (1) 1-1/4" EMT CONDUIT ABOVE CEILING TO IT ROOM 2015 FOR FUTURE IT BUILD-OUT.

### ELECTRICAL COORDINATION NOTES

1. ALL BACKBOXES & CONDUIT ASSOCIATED WITH DATA, INMATE PHONES, KIOSKS, & VIDEO VISITATION UNITS SHALL BE PROVIDED AND INSTALLED BY DIVISION 26.
2. ROUTE ALL CONDUIT ASSOCIATED WITH DATA, INMATE PHONES, KIOSKS, & VIDEO VISITATION UNITS TO ACCESSIBLE CEILINGS OR NEAREST IT ROOM.
3. ALL OUTLETS ARE TO BE DOUBLE GANG BACK BOX WITH 1" C TO NEAREST IT ROOM VIA SHORTEST ROUTE POSSIBLE U.N.O.
4. WIRELESS ACCESS PONTS TO BE CEILING FIXTURES WITH 1" C TO NEAREST IT ROOM VIA SHORTEST ROUTE POSSIBLE.
5. MAX. BENDS PER CONDUIT RUN NOT TO EXCEED 270 DEGREES WITHOUT INTERMEDIATE PULL BOX.

**Revised**  
11/18/2022 9:20:56 AM

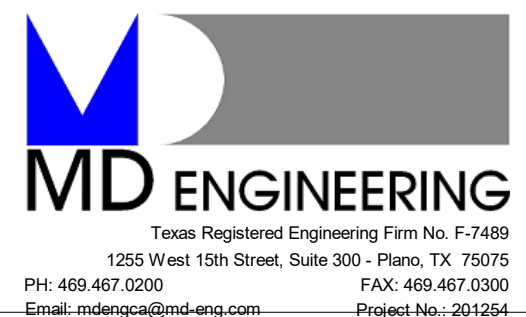
Clouded revisions  
COM2021-06-00789

APPROVED FOR PERMIT ISSUANCE  
MICHAEL JOSEPH SMITH  
87333  
LICENSED PROFESSIONAL ENGINEER  
i/n/z

History		
#	Date	Description
1	11/11/22	PR#9



LEVEL 1 WEST -  
FLOOR PLAN - IT



21913  
7/13/2021 IT228

FOR BID

① LEVEL 1 WEST - FLOOR PLAN - IT  
1/8" = 1'-0"

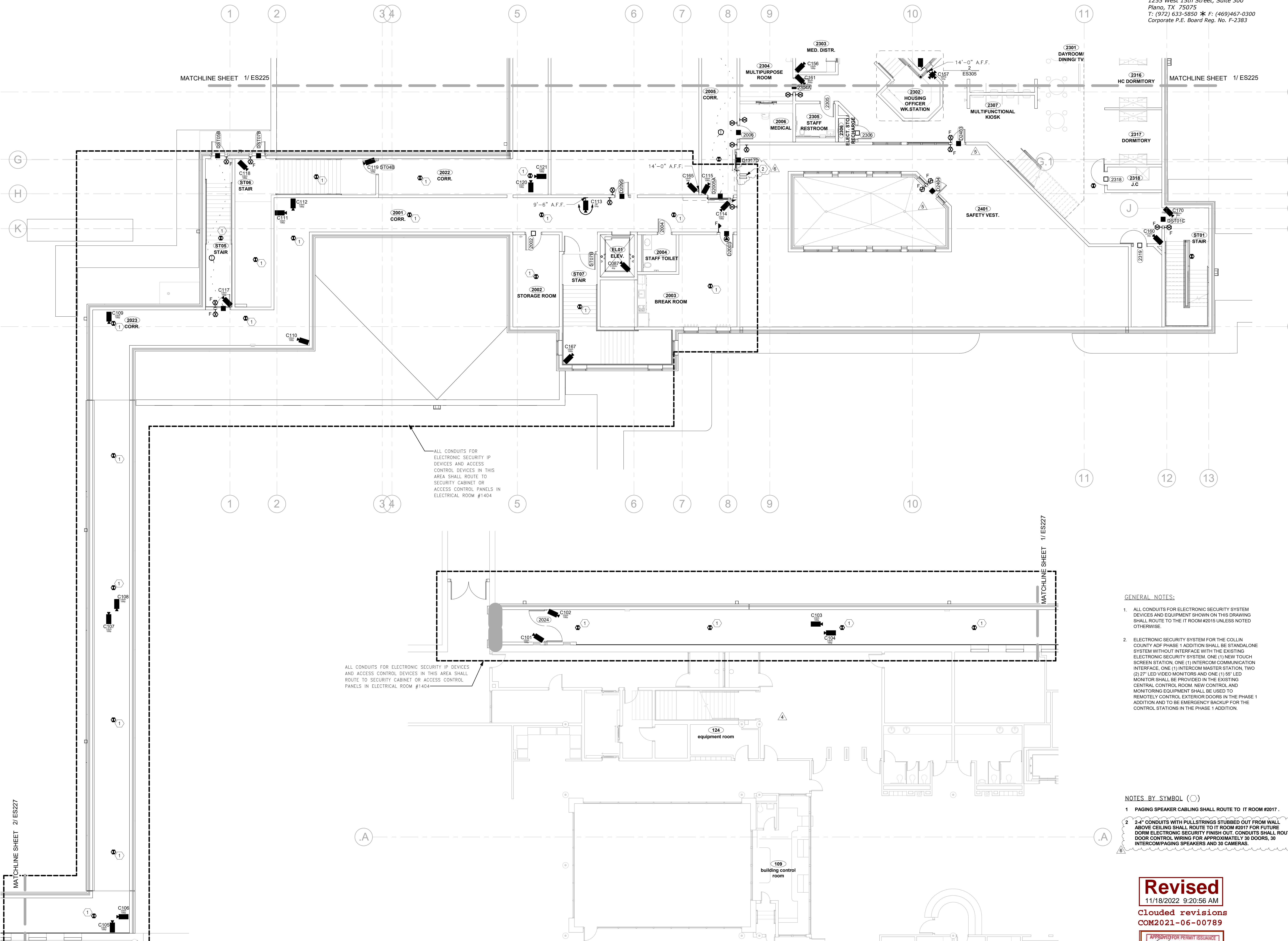
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Architect: Brinkley Sargent Wiginton Architects (972) 960-9970  
Civil: Pacheco Koch (214) 451-2765  
Structural: JQ Engineering (214) 752-9098  
MEP / IT: MD Engineering (469) 467-0200  
Security: Lattatech (972) 633-8650

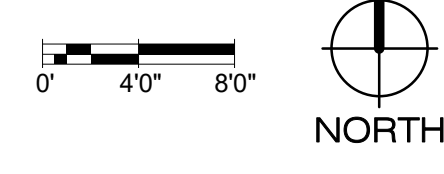
**BRINKLEY SARGENT WIGINTON ARCHITECTS**

# COLLIN COUNTY ADF - PHASE 1 ADDITION

4300 COMMUNITY AVE, MCKINNEY, TX 75071



**1** LEVEL 1 WEST  
SCAL 1/8" = 1'-0"  
E:



**2** LEVEL 1 WEST Cont  
SCAL 1/8" = 1'-0"  
E:

**GENERAL NOTES:**

- ALL CONDUITS FOR ELECTRONIC SECURITY IP DEVICES AND EQUIPMENT SHOWN ON THIS DRAWING SHALL ROUTE TO THE IT ROOM #2015 UNLESS NOTED OTHERWISE.
- ELECTRONIC SECURITY SYSTEM FOR THE COLLIN COUNTY ADF PHASE 1 ADDITION SHALL BE STANDALONE SYSTEM WITHOUT INTERFACE WITH THE EXISTING ELECTRONIC SECURITY SYSTEM. ONE (1) NEW TOUCH SCREEN STATION, ONE (1) INTERCOM COMMUNICATION INTERFACE, ONE (1) INTERCOM MASTER STATION, TWO (2) 27" LED VIDEO MONITORS AND ONE (1) 55" LED MONITOR SHALL BE PROVIDED IN THE EXISTING CENTRAL CONTROL ROOM. NEW CONTROL AND MONITORING EQUIPMENT SHALL BE USED TO REMOTELY CONTROL EXTERIOR DOORS IN THE PHASE 1 ADDITION AND TO BE EMERGENCY BACKUP FOR THE CONTROL STATIONS IN THE PHASE 1 ADDITION.

**NOTES BY SYMBOL (1)**

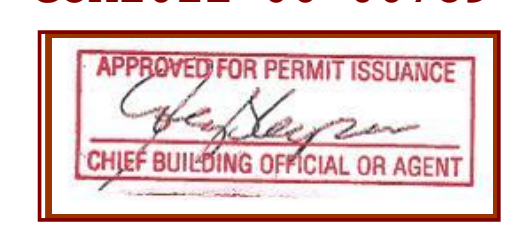
- PAGING SPEAKER CABLING SHALL ROUTE TO IT ROOM #2017.
- 2-4" CONDUITS WITH PULLSTRINGS STUBBED OUT FROM WALL ABOVE CEILING SHALL ROUTE TO IT ROOM #2017 FOR FUTURE DORM ELECTRONIC SECURITY FINISH OUT. CONDUITS SHALL ROUTE DOOR CONTROL WIRING FOR APPROXIMATELY 30 DOORS, 30 INTERCOM/PAGING SPEAKERS AND 30 CAMERAS.

#	Date	Description
4	08/26/2021	ADDENDUM #4
5	04/04/2022	PR #3
6	11/11/2022	PR #9



**LEVEL 1 WEST -  
FLOOR PLAN**

**Revised**  
11/18/2022 9:20:56 AM  
Clouded revisions  
COM2021-06-00789



**FOR BID**

## Chris Perry, Jr.

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**From:** Michael Woods <mwoods@bsw-architects.com>  
**Sent:** Wednesday, April 5, 2023 2:38 PM  
**To:** Chris Perry, Jr.; Zachary Reynolds; Brian Odom  
**Cc:** Brad Harris; Bill Burke (bburke@co.collin.tx.us); Jason Mansur  
**Subject:** Re: CCADF - PR # 9R

Chris,  
For the electrical to the FSD's: Please include a 3/4" conduit/pullstring from the panel to the FSD location. Conduit/box/pullstring only. Label the boxes "Future FSD Connex". Wiring can be pulled with the future build out.

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**From:** Chris Perry, Jr. <cj.perry@ratcliffconstructors.com>  
**Sent:** Tuesday, April 4, 2023 9:31 AM  
**To:** Michael Woods <mwoods@bsw-architects.com>; Zachary Reynolds <Zachary.reynolds@ratcliffconstructors.com>; Brian Odom <Brian.Odom@ratcliffconstructors.com>  
**Cc:** Brad Harris <bjharris@co.collin.tx.us>; Bill Burke (bburke@co.collin.tx.us) <bburke@co.collin.tx.us>; Jason Mansur <JMansur@md-eng.com>  
**Subject:** RE: CCADF - PR # 9R

Michael,

We are in review of pricing for PR #9R. The electrical pricing covers scope associated with sheets E701, IT 228, & ES227 (raceways for future power/lighting/IT/security).

There are no power drawings for mechanical changes associated with PR #9R. Power for mechanical is detailed on sheets E401 – E432 of the contract documents. Should this PR have revised power for mechanical sheets for changes associated with PR #9R? I believe the FSDs come with smoke detection which would require electrical.

Thank you,

### Christopher Perry Jr.

Project Manager | Ratcliff Constructors, L.P.



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[cj.perry@ratcliffconstructors.com](mailto:cj.perry@ratcliffconstructors.com)

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**From:** Michael Woods <mwoods@bsw-architects.com>  
**Sent:** Tuesday, March 14, 2023 6:12 PM  
**To:** Chris Perry, Jr. <cj.perry@ratcliffconstructors.com>; Zachary Reynolds <Zachary.reynolds@ratcliffconstructors.com>; Brian Odom <Brian.Odom@ratcliffconstructors.com>  
**Cc:** Brad Harris <bjharris@co.collin.tx.us>; Bill Burke (bburke@co.collin.tx.us) <bburke@co.collin.tx.us>; Jason Mansur <JMansur@md-eng.com>  
**Subject:** CCADF - PR # 9R