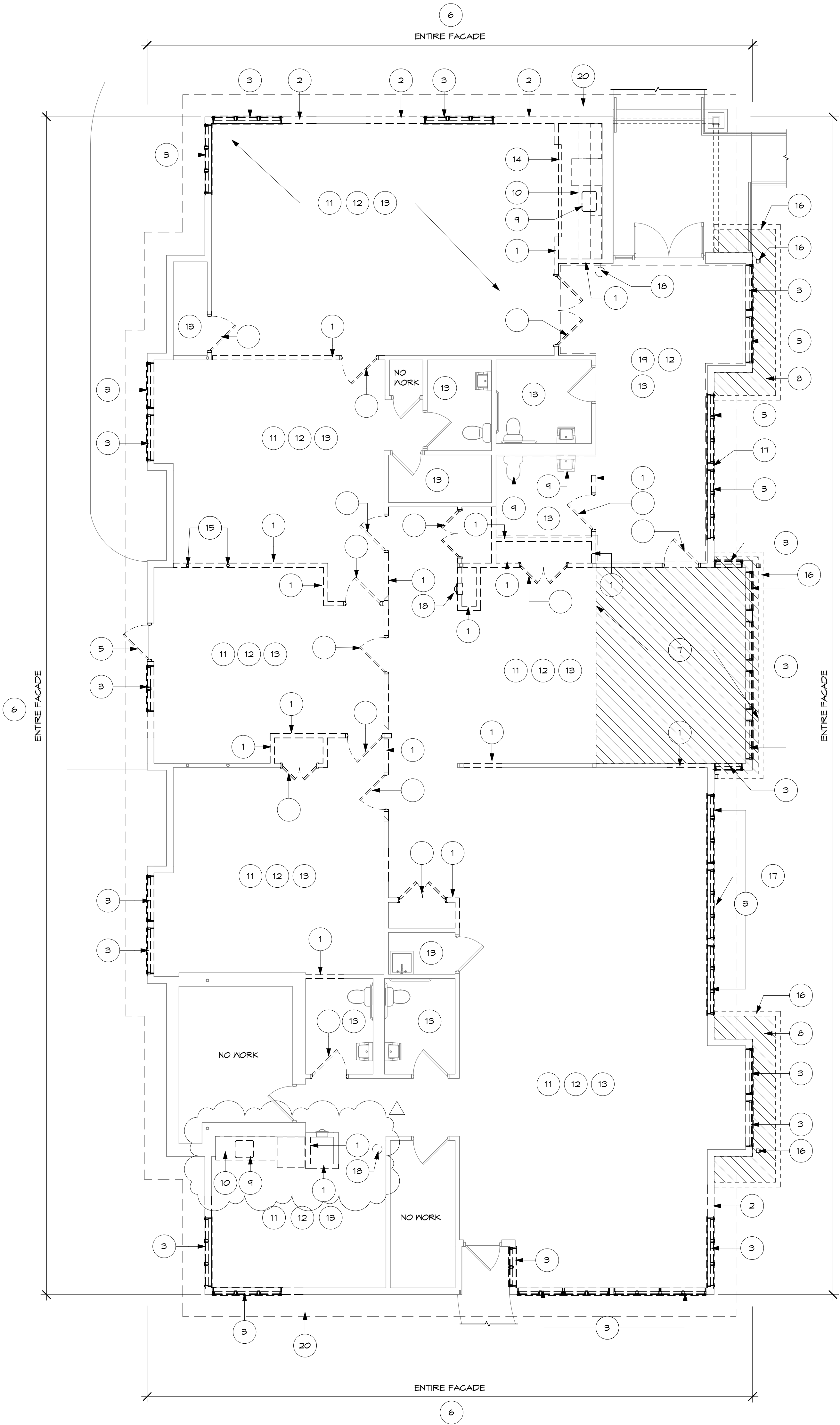


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1 DEMOLITION PLAN
3/16" = 1'-0"

DEMOLITION NOTES

- THE INTENT OF THE DEMOLITION PLAN IS TO SHOW THE GENERAL NATURE OF THE DEMOLITION SCOPE. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR VISITING THE JOB SITE AND VERIFYING THE EXISTING CONDITIONS. THE GENERAL CONTRACTOR SHOULD NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
- DEMOLITION WORK SHALL INCLUDE REMOVAL OF ALL INTERIOR FINISHES, INCLUDING BUT NOT LIMITED TO ALL FURRING, HANGERS, UNISED ATTACHMENTS, CEILING TILE AND GRID, FLOOR FINISHES, ETC. WHERE DEMOLITION ACTIVITIES INVOLVE STRUCTURAL ELEMENTS, DEMOLITION WORK SHALL BE CLOSELY COORDINATED WITH NEW CONSTRUCTION WORK. NO WORK SHALL COMMENCE WITHOUT ADEQUATE BRACING OR SHORING AS REQUIRED TO PREVENT MOVEMENT OR SETTLING IN THE EXISTING STRUCTURE. REMOVALS OF A STRUCTURAL NATURE, BEARING WALLS, ROOFS, FOOTINGS, ETC., SHALL BE MADE ONLY UNDER THE DIRECT SUPERVISION OF QUALIFIED PERSONNEL AND SHALL BE SECURED OR OTHERWISE BRACED WHERE EVER FEASIBLE. BY INCORPORATION INTO PROPOSED NEW WORK. AS MUCH AS POSSIBLE NEW CONSTRUCTION IN KEEPING WITH THE PROPOSED CONDITIONS SHALL BE INSTALLED IN LIEU OF TEMPORARY BRACING.
- PRIOR TO COMMENCEMENT OF ANY DEMOLITION WORK, THE CONTRACTOR SHALL MEET WITH THE OWNER TO DETERMINE WHICH ITEMS, IF ANY, ARE OF SALVAGEABLE VALUE TO THE OWNER. THE CONTRACTOR IS ENCOURAGED TO DOCUMENT ANY EXISTING DAMAGE OR DEFICIENCIES, IN BOTH WRITTEN AND PHOTOGRAPHIC FORMS AS REQUIRED, WHICH ARE EVIDENT IN THE EXISTING BUILDING.
- ALL ITEMS DESIGNATED TO BE OF SALVAGEABLE VALUE TO THE OWNER SHALL BE REMOVED AS DIRECTED BY THE OWNER. ALL ITEMS DESIGNATED FOR DEMOLITION SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED COMPLETELY FROM THE SITE AND DISPOSED OF AS NECESSARY, IN ACCORDANCE WITH ALL REGULATIONS IN EFFECT.
- CONFORM TO APPLICABLE CODES FOR DEMOLITION WORK, SAFETY OF STRUCTURE AND DUST CONTROL. NOTIFY AFFECTED UTILITY COMPANIES BEFORE STARTING WORK AND COMPLY WITH THEIR REQUIREMENTS. DO NOT CLOSE OR OBSTRUCT EGRESS TO EXITS. DO NOT DISRUPT BUILDING, FIRE, OR LIFE SAFETY SYSTEMS WITHOUT (3) DAYS PRIOR WRITTEN NOTICE TO THE OWNER.
- MAINTAIN TEMPORARY PARTITIONS TO PREVENT THE SPREAD OF DUST, ODORS, AND NOISE, AND TO PERMIT CONTINUED OWNER OCCUPANCY. PROTECT EXISTING MATERIALS WHICH ARE NOT TO BE DEMOLISHED. ALL DEBRIS SHALL BE REMOVED FROM THE CONSTRUCTION SITE DAILY.
- IN AREAS OF DEMOLITION, PATCH, LEVEL, AND INFILL ALL WALL AND FLOOR SURFACES AS REQUIRED FOR INSTALLATION OF NEW FINISHES. THIS INCLUDES LEVELING OF ALL FLOORS AND INFILLING OF ANY TRENCHED AREAS.
- REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR SPECIFIC DEMOLITION NOTES REGARDING THESE DISCIPLINES. ALL HVAC, ELECTRICAL, AND PLUMBING ITEMS REMOVED SHALL BE CAPPED AND IDENTIFIED.

DEMOLITION KEY NOTES

- DEMOLISH INTERIOR PARTITION OR PORTION OF INTERIOR PARTITION. PATCH & REPAIR REMAINING ADJACENT CONSTRUCTION TO LIKE NEW CONDITION.
- DEMOLISH PORTION OF EXTERIOR WALL FOR NEW WINDOW ASSEMBLY. PATCH AND REPAIR REMAINING ADJACENT CONSTRUCTION TO LIKE NEW CONDITION.
- REMOVE WINDOW, INTERIOR & EXTERIOR TRIM AND ALL ASSOCIATED HARDWARE. PREPARE OPENING FOR NEW WINDOW OR INFILL OPENING TO MATCH EXISTING CONSTRUCTION AS PER NEW WORK PLANS.
- REMOVE INTERIOR DOOR, FRAME AND ALL ASSOCIATED HARDWARE.
- REMOVE EXTERIOR DOOR, FRAME AND ALL ASSOCIATED HARDWARE. INFILL OPENING TO MATCH EXISTING CONSTRUCTION.
- REMOVE ALL EXTERIOR LAP SIDING, PANEL SIDING AND TRIM DOWN TO EXISTING EXTERIOR SHEATHING. REMOVE WEATHER BARRIER AND PREPARE SHEATHING FOR NEW EXTERIOR FINISH PER NEW WORK PLANS.
- REMOVE LOW SLOPE ROOF OVER NEW CONFERENCE ROOM INCLUDING SKYLIGHTS AND GALLERY WINDOWS ABOVE. EXISTING BEAMS SHALL REMAIN TO SUPPORT HIGH ROOF.
- REMOVE ROOF OVERHANGS ON THREE SIDES OF EXISTING POP-OUT AREA. CUT BACK EXISTING TRUSSES AS REQUIRED FOR INSTALLATION OF NEW GABLE ROOF AND EXTERIOR WALL ASSEMBLY.
- REMOVE PLUMBING FIXTURE AND ALL ASSOCIATED HARDWARE. CUT & CAP EXISTING UTILITIES @ SLAB ON GRADE. SEE PLUMBING DWGS. FOR ADDITIONAL REMOVAL SCOPE.
- REMOVE ALL CASEWORK, COUNTERS AND SHELVING. ALL APPLIANCES SHALL BE SALVAGED AND RETURNED TO OWNER FOR REUSE.
- REMOVE FLOOR FINISH DOWN TO EXISTING SUBSTRATE.
- REMOVE WALL BASE AND ANY MILLWORK ON WALLS (CHAIR RAIL, ETC.) THROUGHOUT AREA OF WORK.
- REMOVE ACOUSTICAL CEILING TILE AND GRID AND ANY GNB CEILING AND FRAMING. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR LIGHTING AND DEVICE REMOVAL.
- REMOVE ROLL-UP DOOR @ KITCHENETTE AND RETURN TO OWNER AS DIRECTED.
- REMOVE EXISTING STEEL COLUMNS, BRACE BEAM ABOVE UNTIL NEW STRUCTURE IS IN PLACE.
- REMOVE GUTTERS AND DOWNSPOUTS AND ALL ATTACHMENTS AND ASSOCIATED HARDWARE.
- REMOVE WALL MOUNTED EXTERIOR LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS FOR ADDITIONAL REMOVAL SCOPE.
- REMOVE FIRE EXTINGUISHER CABINET AND STORE FOR REINSTALLATION IN NEW PARTITION.
- REMOVE QUARRY TILE AND BASE IN THEIR ENTIRETY. LEVEL OUT RECESSED CONCRETE FLOOR AS REQUIRED FOR NEW PORCELAIN TILE IN MUD BED. SEE SPECIFICATIONS FOR TILE FLOORING.
- REMOVE VINYL SOFFIT TYP. THROUGHOUT. (NOTE: EXISTING SOFFIT AT ENTRY TO REMAIN.)

RELEASE / REVISION

No.	Date	Description
1	10/09/20	ISSUED FOR BIDDING
2	10/22/20	ADDENDUM #1 - OWNER REVISIONS

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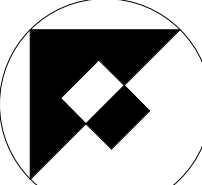
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Project
ALTERATIONS & RENOVATIONS TO:
**CAPE MAY COUNTY
TECHNICAL SCHOOL
ADMINISTRATION BUILDING**
188 CREST HAVEN ROAD CAPE MAY COURT
HOUSE, NJ 08210

Drawing
DEMOLITION PLAN AND
NOTES



Scale	Job	Sheet
As Indicated	20,048	D1.0
Drawn	Date	
CR / KP	10/06/20	

ADDENDUM #1 - OWNER REVISIONS 10/22/20

GENERAL NOTES

1) ALL INTERIOR PARTITIONS ARE TYPE 1 UNLESS OTHERWISE NOTED.

2) DIMENSIONS ARE FROM FACE OF FRAMING MEMBER TO FACE OF FRAMING MEMBER UNLESS OTHERWISE NOTED.

3) INFILL OF EXISTING WALLS BOTH EXTERIOR AND INTERIOR SHALL MATCH EXISTING CONSTRUCTION.

SYMBOLS LEGEND

1 DOOR TAG

1 WINDOW TAG

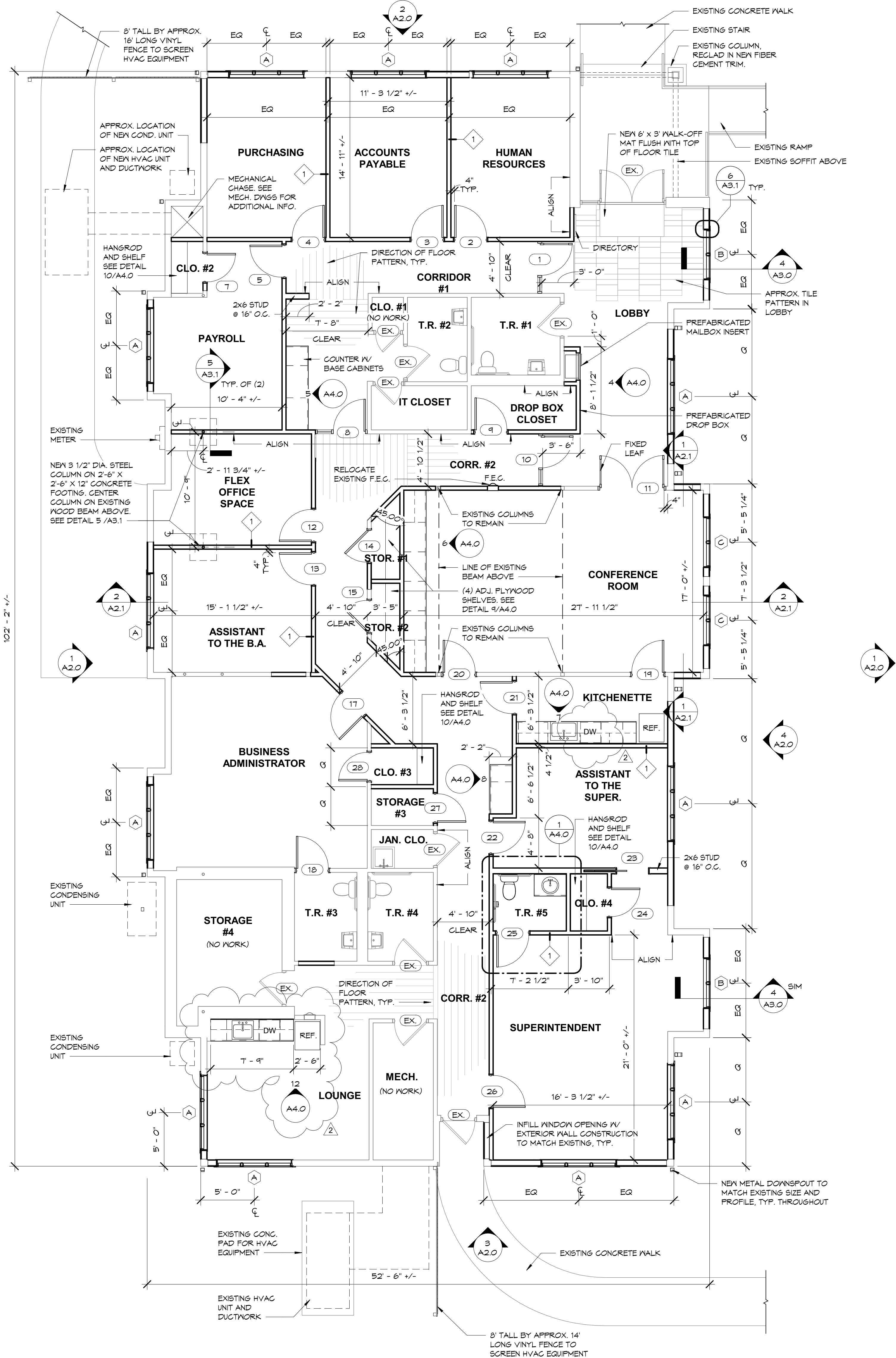
1 WALL TAG WITH PARTITION TYPE

0 A-000 DETAIL TAG/ENLARGED PLAN
DETAIL NO. ABOVE SHEET NO.

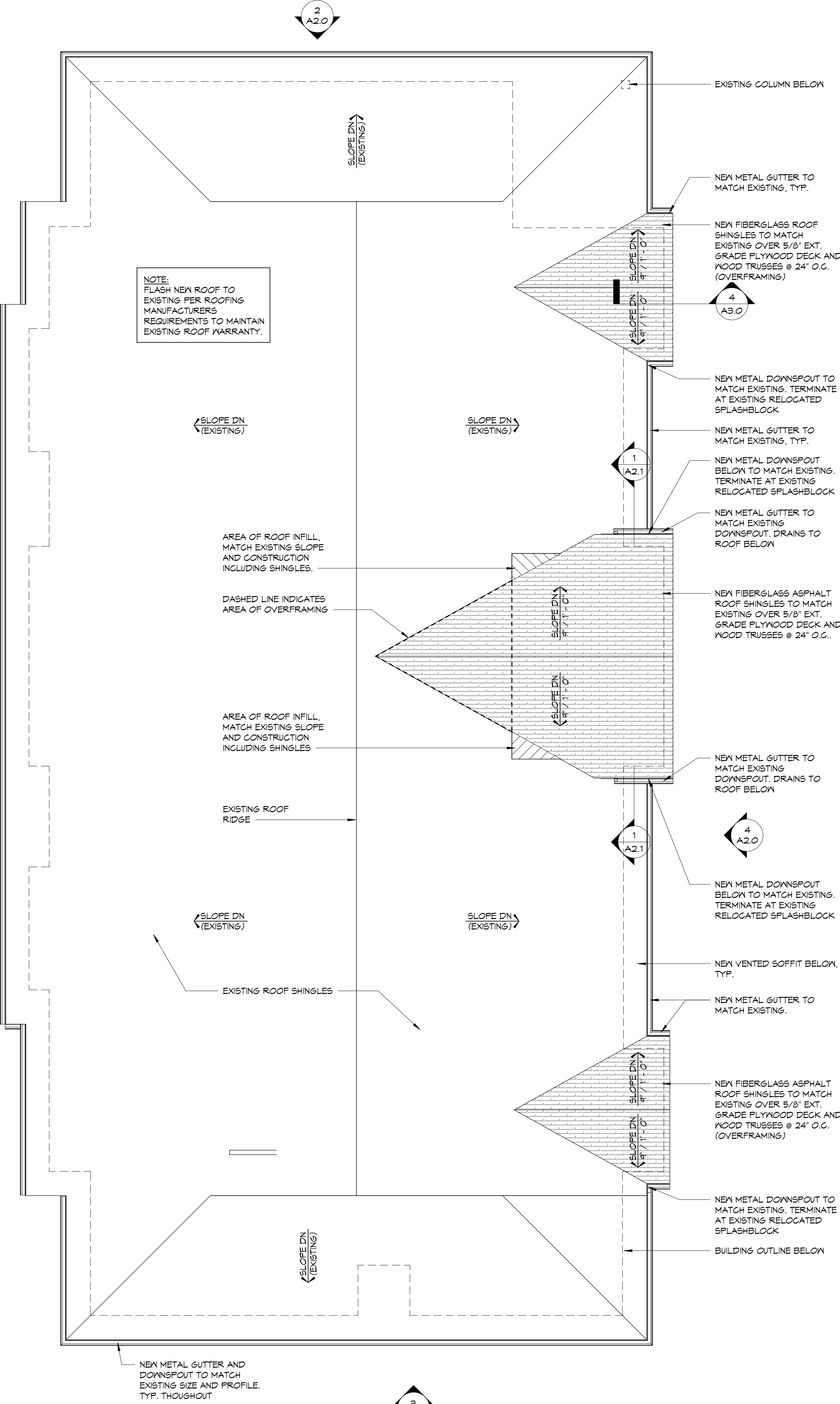
0 A-000 ELEVATION TAG
ELEV. NO. ABOVE SHEET NO.

0 A-000 SECTION TAG
SECTION NO. ABOVE SHEET NO.

RELEASE / REVISION		
No.	Date	Description
1	10/09/20	ISSUED FOR BIDDING
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1 FLOOR PLAN
3/16" = 1'-0"



2 ROOF PLAN
3/16" = 1'-0"

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ADMINISTRATION BUILDING**
188 CREST HAVEN ROAD CAPE MAY COURT
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Drawing		
FIRST FLOOR PLAN, ROOF PLAN & NOTES		
Scale	Job	Sheet
As Indicated	20,048	A1.0
Drawn	Date	
CR / KP	10/06/20	



NOTES:

1. ALL ACCESSORIES N.I.C.
2. LISTED ACCESSORIES MODEL NO.'S ARE BY 'AJW' STAINLESS STEEL W/ SATIN FINISH (GRAB BARS PEENED), UNLESS NOTED OTHERWISE.
3. CONTRACTOR TO PROVIDE SOLID WOOD BLOCKING WITHIN WALLS AS REQUIRED TO MOUNT ALL ACCESSORIES AS PER THE MANUFACTURES SPECIFICATIONS.



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TECHNICAL SCHOOL
ADMINISTRATION BUILDING**
188 CREST HAVEN ROAD CAPE MAY COURT
HOUSE, NJ 08210

Drawing

INTERIOR ELEVATION
& DETAILS

Scale	
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As indicated	20.048
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Drawn	Date
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Sheet

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O.A.	OUTSIDE AIR
S.A.	SUPPLY AIR
R.A.	RETURN AIR
CAP.	CAPACITY
PRESS.	PRESSURE
TEMP.	TEMPERATURE
MIN.	MINIMUM
MAX.	MAXIMUM
SIM.	SIMILAR
AUTO.	AUTOMATIC
EXST.	EXISTING
CONC.	CONCRETE
AHU	AIR HANDLING UNIT
GPM	GALLONS PER MINUTE
SF	SUPPLY FAN
RF	RETURN FAN
BTUH	BTUH
A.F.F.	ABOVE FINISHED FLOOR
EF	EXHAUST FAN
TYP.	TYPICAL
CONN.	CONNECTION
AS	AIR SEPARATOR
ET	EXPANSION TANK
FD	FIRE DAMPER
F.D.	FLOOR DRAIN
FSD	FIRE SMOKE DAMPER

- A. CONTRACTOR SHALL PROVIDE MANUFACTURER'S RECOMMENDED ACCESS TO ALL EQUIPMENT. ACCESS SHALL BE REMOVABLE CEILING TILES OR CEILING ACCESS PANELS. COORDINATE WITH INSTALLATION OF MECHANICAL EQUIPMENT WITH OTHER TRADES TO AVOID CONFLICT.
- B. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR LOCATION OF GRILLES AND DIFFUSERS.
- C. FOR ALL WALLS THAT ARE EXTENDED TO STRUCTURE PROVIDE SLEEVES FOR PIPING AND DUCTWORK PENETRATING WALLS (REFERENCE SPECIFICATIONS).
- D. DRAWINGS ARE DIAGRAMMATIC. PROVIDE ADDITIONAL OFFSETS, TRANSITIONS, ETC. AS REQUIRED TO AVOID INTERFERENCE ENCOUNTERED. FULL COORDINATION OF WORK REQUIRED.
- E. IF THE CONTRACTOR DOES NOT CLEARLY UNDERSTAND THESE PLANS OR IS NOT SURE OF THEIR MEANING, THEY SHOULD OBTAIN THE ARCHITECTS WRITTEN EXPLANATION AND INTERPRETATION PRIOR TO SUBMITTING THEIR BID, SINCE THE CONTRACTOR WILL BE HELD RESPONSIBLE TO THE INTERPRETATION OF THE ARCHITECT.
- F. CUT, PATCH, REPAIR AND RESTORE TO ORIGINAL CONDITION ALL OPENINGS IN WALLS, FLOORS, CEILINGS, ETC. WHERE REQUIRED. PATCHING SHALL MATCH EXISTING CONSTRUCTION & FINISHES. COORDINATE ALL PATCHING AND FINISHES WITH ARCHITECT.
- G. PROVIDE BALANCING DAMPERS FOR ALL S.A., R.A. AND E.A. DUCT BRANCH TAKEOFFS AND RUNOUTS TO GRILLES, DIFFUSERS, ETC.
- H. USE RADIIUS ELBOWS, IF SPACE IS/AT AVAILABLE, MITERED ELBOWS ARE ACCEPTABLE. PROVIDE TURNING VANE FOR ALL RECTANGULAR MITERED ELBOWS, SUPPLY AND RETURN DUCTWORK.
- I. CONTRACTOR SHALL BE RESPONSIBLE FOR PRE-BALANCING THE SYSTEMS TO DETERMINE EXISTING AIRFLOWS, FOLLOW PROCEDURES IN TEST AND BALANCE SPECIFICATION.
- J. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING DUCTS AND COLS OF ALL FORTHGOING MATERIAL. REFER TO INCLUDED SPECIFICATION SECTION 230130 FOR DETAILED PROCEDURE.



1. ALL DUCTWORK DIMENSIONS ARE EXTERIOR DIMENSIONS OF DUCT.
2. PROVIDE ADDITIONAL BALANCING DAMPERS IN TAKEOFF TO ALL GRILLES/DIFFUSERS AND AT ALL GRILLES/DIFFUSERS.
3. DUCTWORK INSTALLATION SHALL MEET ALL REQUIREMENTS OF NFPA 90A/SMACNA.

SYMBOL	MANUFACTURER	MODEL	PANEL SIZE	CORE TYPE	INLET DIMENSION	NOMINAL CFM	THROW @100 FPM	PRESSURE DROP(IN.)	SOUND N.C.	MOUNTING	REMARKS
S-1	TITUS	OMNI	24X24	PLAQUE	6"	98	2	0.017	<10	SURFACE	ALL
S-2	TITUS	OMNI	24X24	PLAQUE	8"	244	5	0.055	12	LAY-IN	ALL
R-1	TITUS	PAR	24X24	PERFORATED	22X22	1008	-	0.03	13	LAY-IN	ALL

NOTES:
1. COLOR SHALL BE AS DIRECTED BY ARCHITECT.
2. CONTRACTOR SHALL VERIFY CEILING TYPE PRIOR TO ORDERING.

NOTES:

1. PROVIDE WITH BACKDRIFT DAMPER AND DISCONNECT.
2. PROVIDE WITH FAN SPEED DIAL, BALANCE FAN TO CFM LISTED BELOW.
3. SHOP DRAWINGS MUST INCLUDE PERFORMANCE DATA OR THEY WILL BE REJECTED.

MARK	MANUFACTURER	MODEL No.	HP	FPM	CFM	STATIC PRESSURE	VOLTAGE	PHASE	FAN MOUNTING	NOTES
EF-1	GREENHECK	SP-80-VG	1/10	935	75	0.30 in-wg	115	1	CEILING	ALL
EF-2	GREENHECK	SP-80-VG	1/10	935	75	0.30 in-wg	115	1	CEILING	ALL
EF-3	GREENHECK	SP-80-VG	1/10	935	75	0.30 in-wg	115	1	CEILING	ALL
EF-4	GREENHECK	SP-80-VG	1/10	935	75	0.30 in-wg	115	1	CEILING	ALL

NOTES:									
1. PROVIDE UNIT WITH MERV-8 FILTERS.									
2. PROVIDE WITH DISCONNECT SWITCH, COORDINATE WITH OTHER TRADES.									
3. PROVIDE WITH CONDENSATE DRAIN PAN, CONNECT TO EXISTING CONDENSATE DRAIN PIPE.									
4. SHOP DRAWINGS MUST INCLUDE PERFORMANCE DATA OR THEY WILL BE REJECTED.									
MARK	MANUFACT	MODEL NO.	CFM	O.A. CFM	E.S.P.	VOLTAGE	PHASE	MCA/MOP (AMPS)	NOTES
AHU-1	TRANE	TEMA40C4254	1300	500	0.75 in-wg	208	1	5	ALL

NOTES:

1. PROVIDE WITH DISCONNECT SWITCH
2. SLOPE SUCTION LINE TOWARD EVAPORATOR.
3. REFRIGERANT LINES SHALL BE SIZED PER MANUFACTURER'S RECOMMENDATIONS WITH LONG LINE KITS AND OTHER ACCESSORIES AS REQUIRED.
4. SHOP DRAWINGS MUST INCLUDE PERFORMANCE DATA OR THEY WILL BE REJECTED.

MARK	MANUFACTURER	MODEL No.	COOLING CAPACITY	MIN SEER	VOLTAGE	PHASE	MCA/MOP (AMPS)	NOTES
CU-1	TRANE	4TTR4042L1	40700.0 Btu/h	15	208	1	22	ALL

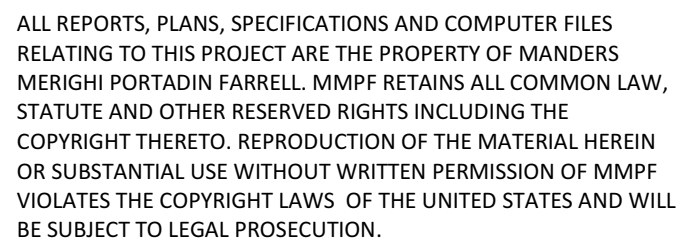
NOTES:

1. PROVIDE WITH DISCONNECT SWITCH.
2. PROVIDE WITH AIR FLOW PROVING SWITCH.
3. MAINTAIN FACTORY RECOMMEND COMBUSTIBLE CLEARANCES.
4. PROVIDE WITH NEW DRAIN PAIN.

MARK	MANUFACTURER	MODEL No.	NOMINAL CFM	NET GAS CAPACITY	HEATING CAPACITY	ENTERING AIR TEMP	LEAVING AIR TEMP	E.S.P.	VOLTAGE	PHASE	MCA	NOTES
DH-1	MODINE	DFG	1250	100000.0 Btu/h	\$1800.0 Btu/h	55 °F	115 °F	3.00 in-wg	115	1	0.35	ALL
DH-2	MODINE	DFG	1250	100000.0 Btu/h	\$1800.0 Btu/h	55 °F	115 °F	3.00 in-wg	115	1	0.35	ALL
DH-3	MODINE	DFG	1250	100000.0 Btu/h	\$1800.0 Btu/h	55 °F	115 °F	3.00 in-wg	115	1	0.35	ALL

NOTES:
1. PROVIDE UNIT WITH VFD SUPPLY AND EXHAUST FAN AND 100% ECONOMIZER WITH REFERENCE ENTHALPY CONTROLS.
2. PROVIDE UNIT WITH MERV-8 PREFILTERS AND MERV-13 FINAL FILTERS.
3. PROVIDE UNIT WITH FACTORY MOUNTED CONVENIENCE RECEPTACLE.
4. PROVIDE UNIT WITH MODULATING HOT GAS REHEAT.
5. PROVIDE UNIT WITH NON-FUSED DISCONNECT SWITCH.
6. COOLING LEAVING AIR TEMPERATURE IN UNIT IN LIEU OF COIL.
7. PROVIDE UNIT WITH MANUFACTURER INSTALLED LOGICAL CONTROL SYSTEM. INSTALL REMOTE DISPLAY IN STORAGE ROOM 122.
8. SHOP DRAWINGS MUST INCLUDE PERFORMANCE DATA OR THEY WILL BE REJECTED.

MARK	MANUFACTURER	MODEL NO.	SENSIBLE COOLING CAPACITY (BTU/H)	NET COOLING CAPACITY (BTU/H)	NET GAS CAPACITY (CFH)	NET HEATING CAPACITY (BTU/H)	CFM	CLG. DB (A.T.)	CLG. WB (A.T.)	CLG. DB (A.T.)	CLG. WB (A.T.)	HTG. E.A.T.	HTG. L.A.T.	SUPPLY MOTOR H.P.	FRPM	E.S.P. (IN H2O)	VOLTAGE	PHASE	MCA	NOTES
D06AS-1	TRANE	H0292D010	67.0	132.0	150.0	182.0	1500	89°F	76°F	51°F	51°F	16°F	55°F	1.7	1703	1.50 to 1.60	208	3	50.7	0.1

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ALTERATIONS & RENOVATIONS TO:

CAPE MAY COUNTY
TECHNICAL SCHOOL
ADMINISTRATION BUILDING
ADDENDUM #1 - OWNER REVISIONS
188 CREST HAVEN ROAD CAPE MAY COURT
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HVAC LEGEND AND SCHEDULES

Scale

 $1/8'' = 1'-0''$

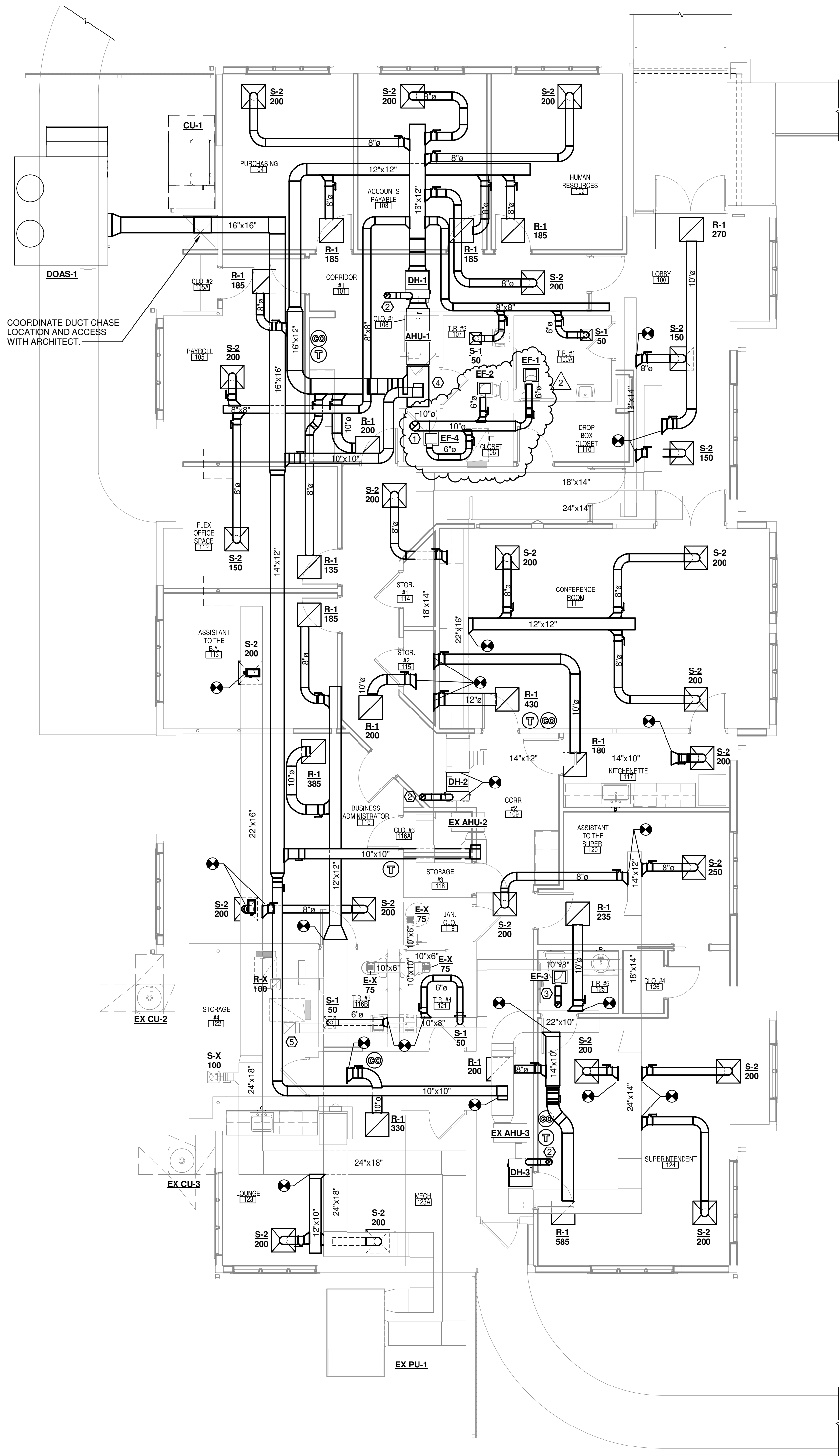
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1/8" = 1'-0"	20.048
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PTB	10/06/20

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1 FIRST FLOOR HVAC PLAN
SCALE: 3/16" = 1'-0"

KEY NOTES

- ROUTE 10" EXHAUST DUCT THROUGH EXISTING CURB AND TERMINATE WITH GOOSENECK. SEAL REMAINING OPENING AS NECESSARY.
- ROUTE 6" VENT FROM DUCT FURNACE TO EXISTING PENETRATION. SEAL OPEN GAPS TIGHT.
- ROUTE 6" DUCT FROM EXHAUST FAN UP THROUGH ROOF TERMINATE WITH GOOSENECK. SEAL WEATHER TIGHT.
- REINSTALL EXISTING SMOKE DETECTOR IN NEW AHU-1 RETURN PLENUM.
- UP TO EXISTING EXHAUST FAN. BALANCE EXHAUST REGISTERS AS SHOWN ON PLANS.

GENERAL MECHANICAL NOTES

- EX-AHU-2 AND EX-AHU-3 SHALL BE REBALANCED AFTER INSTALLATION OF NEW DUCT WORK. REFER TO TESTING AND BALANCING SPECIFICATION.

RELEASE / REVISION

No.	Date	Description
1	10/04/20	ISSUED FOR BIDDING
2	10/22/20	APPENDUM #1 - OWNER REVISIONS



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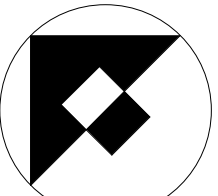
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ALTERATIONS & RENOVATIONS TO:
**CAPE MAY COUNTY
TECHNICAL SCHOOL
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Drawing

FIRST FLOOR HVAC PLAN



Scale	Job	Sheet
3/16" = 1'-0"	20.048	M1.0
Drawn	Date	
PTB	10/06/20	

RELEASE / REVISION

No.	Date	Description
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2	10/22/20	APPENDUM #1 - OWNER REVISIONS

GENERAL NOTES

- A. REFER TO GENERAL NOTES ON SHEET E.01 FOR ADDITIONAL INFORMATION AND DETAILS.

KEYNOTES

1. EXTEND NEW RECEPTACLE CIRCUIT TO EXISTING RECEPTACLES AS INDICATED. PROVIDE ALL NECESSARY WIRING AND CONDUIT.
2. EXISTING RECEPTACLE CIRCUITS IN THIS AREA TO REMAIN. MODIFY/EXTEND CIRCUITS AS REQUIRED. SEE PANEL SCHEDULE.
3. RECONNECT EXISTING CIRCUIT TO NEW EQUIPMENT. MODIFY/EXTEND CIRCUITS USING SAME GAUGE /TYPE WIRE AND CONDUIT AS EXISTING. SEE DEMO PLANS FOR DETAILS.
4. EXISTING RECEPTACLE AND RECEPTACLE CIRCUITS TO REMAIN.
5. PROVIDE STAND ALONE DUCT SMOKE DETECTOR. ACTIVATION OF DUCT DETECTOR SHALL SHUT DOWN THE MECHANICAL UNIT. PROVIDE ALL WIRING, HARDWARE AND CONDUIT.
6. COORDINATE LOCATION AND MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
7. CARD READER TO BE PROVIDED BY OTHERS. SEE ELECTRICAL LEGEND FOR MORE DETAILS.
8. CONTRACTOR TO ADD NEW PATCH PANEL AS NEEDED FOR NEW CAT6a CABLE. PROVIDE ALL NECESSARY CONNECTIONS TO EXISTING NETWORK SWITCH. CONTRACTOR IS RESPONSIBLE FOR ALL TERMINATION TO DEVICES AND PATCH PANEL.
9. NEW DUCT SMOKE DETECTOR SHALL BE CONNECTED TO FIRE ALARM CONTROL PANEL. ACTIVATION OF DUCT DETECTOR SHALL SHUT DOWN THE MECHANICAL UNIT. ACTIVATION OF DUCT DETECTOR ON AHU-1, AHU-2, AHU-3 OR AHU-4 SHALL ALSO SHUT DOWN THE DOAS-1 UNIT.
10. POWER FOR DOOR HARDWARE.

1. REINSTALL CAMERA WITH EXISTING CONDUIT AND WIRING. 2.

EXISTING DISCONNECT SWITCH 'A'
EXISTING DISCONNECT SWITCH 'B'

3 IT CLOSET- Callout 1
SCALE: NONE

2 PATCH PANEL AND 86 BLOCK TO BE REMOVED.
REFER TO E1.0 FOR DETAILS.

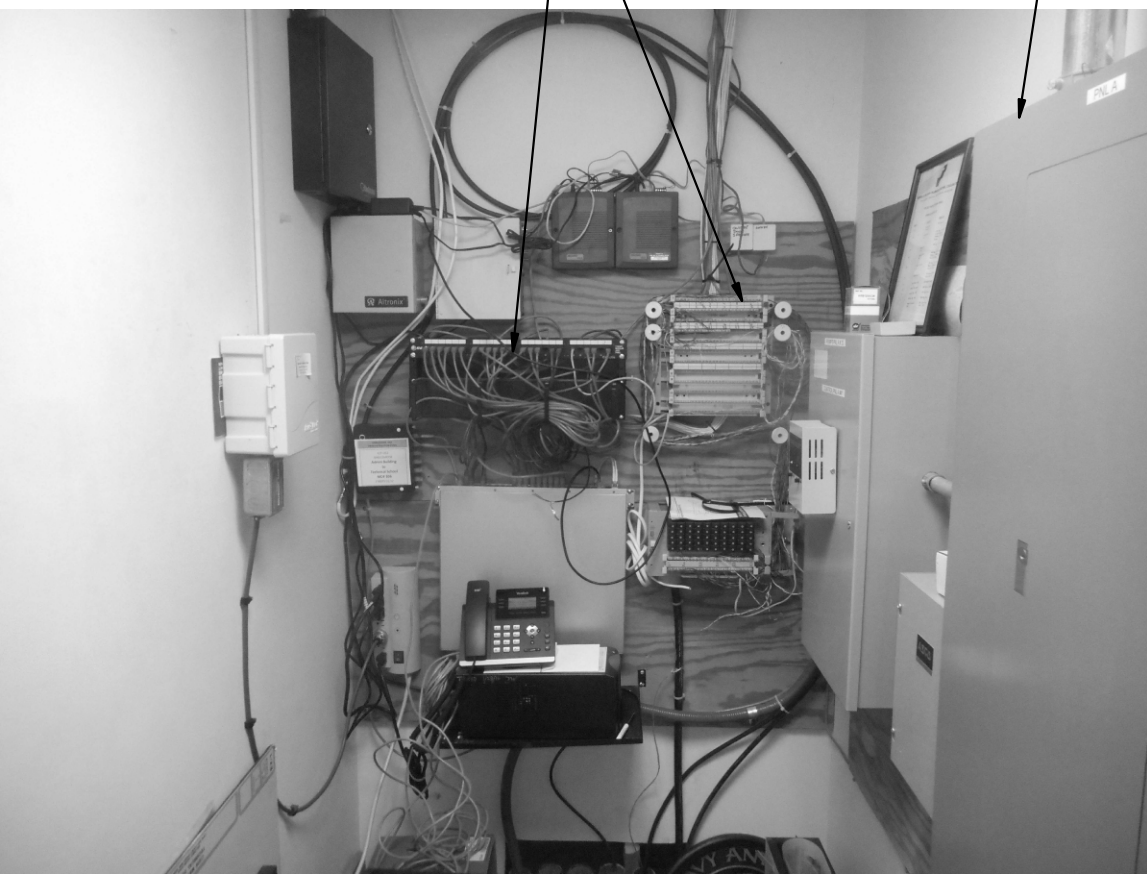


PHOTO 1



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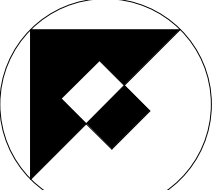
Project

ALTERATIONS & RENOVATIONS TO:

CAPE MAY COUNTY
TECHNICAL SCHOOL
ADMINISTRATION BUILDING
188 CREST HAVEN ROAD CAPE MAY COURT
HOUSE, NJ 08210

Drawing

ELECTRICAL POWER AND
SYSTEMS PLAN



Scale

As indicated

Job

20.048

Sheet

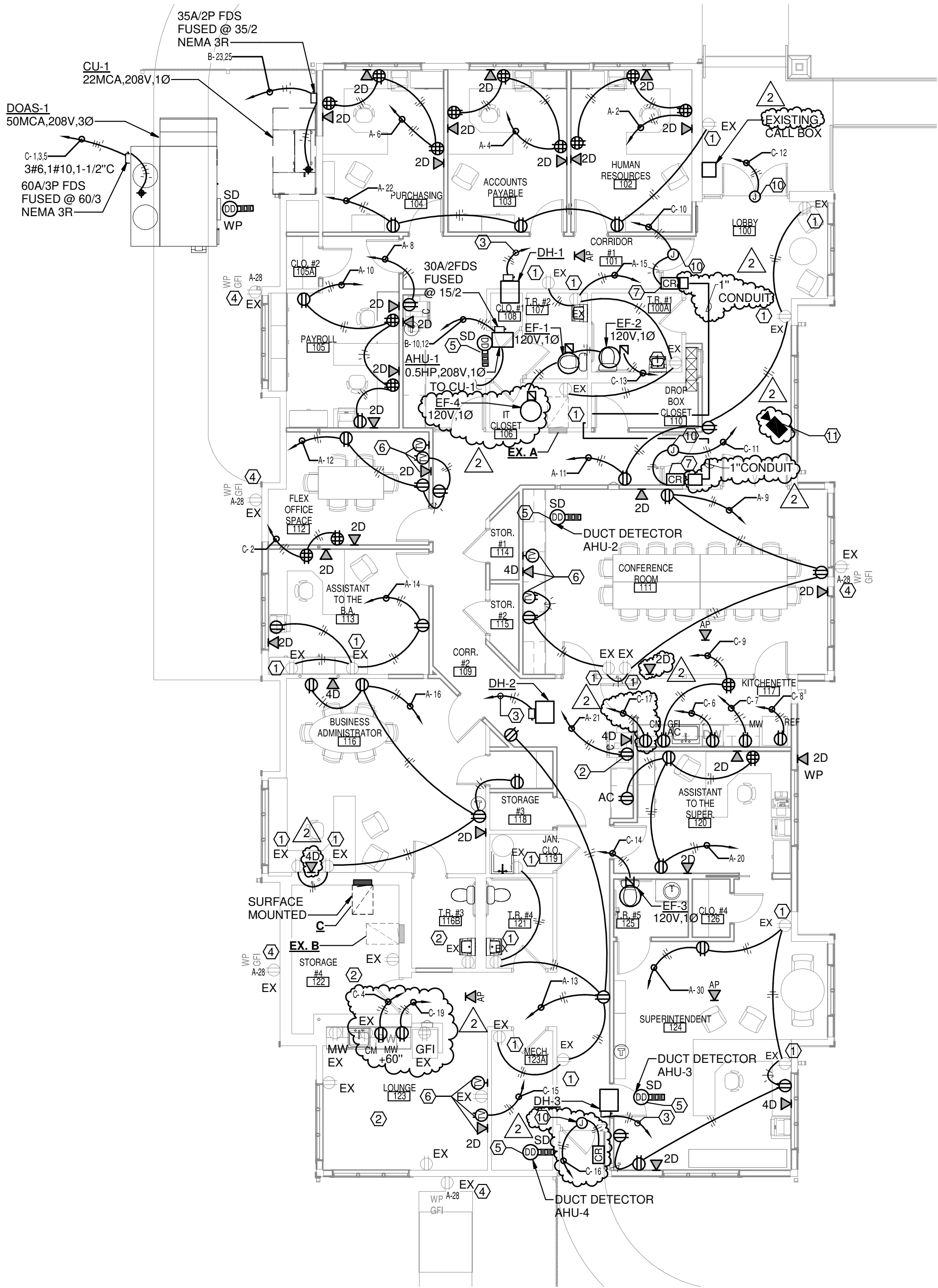
E3.0

Drawn

AK

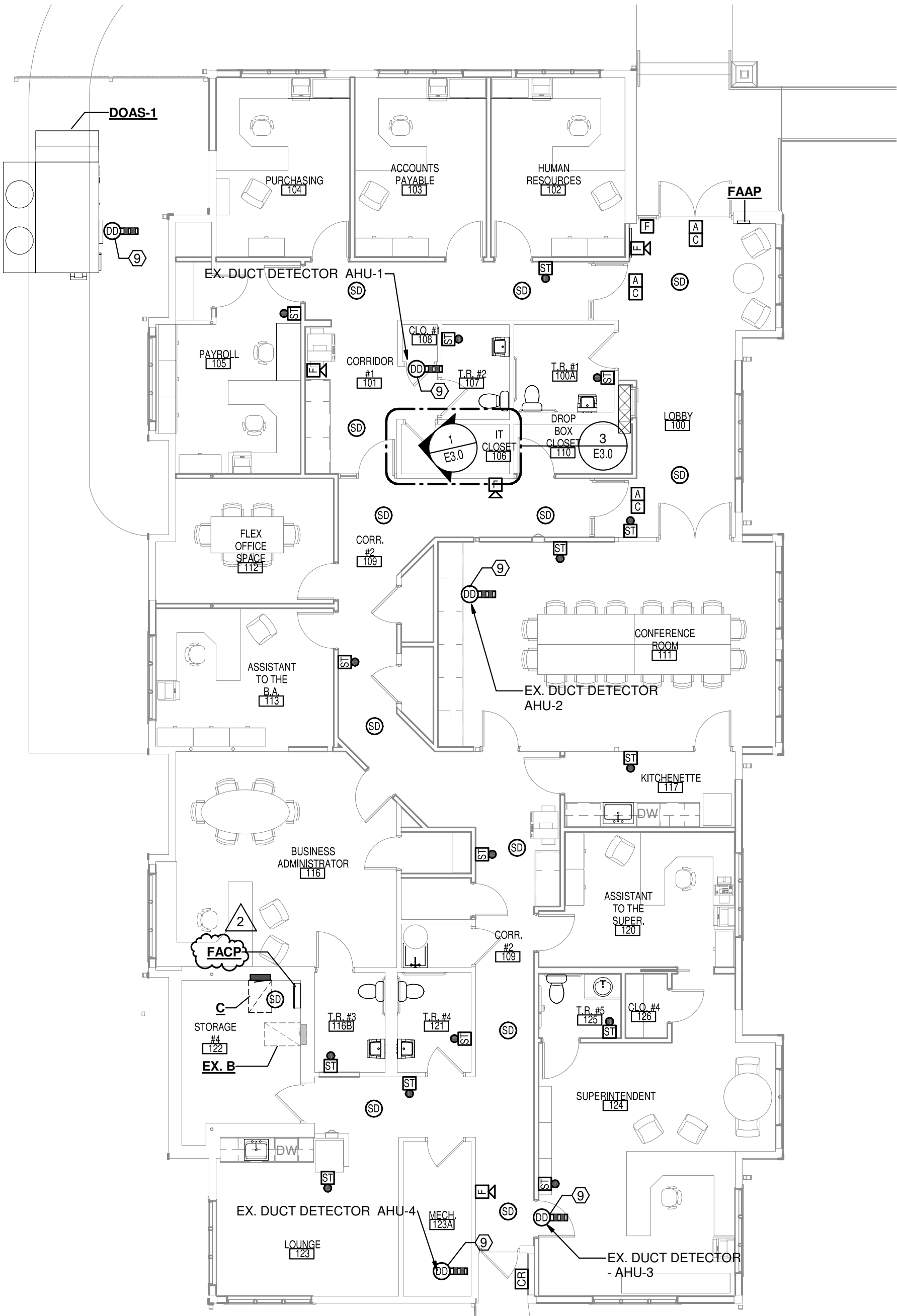
Date

10/06/20



1 FIRST FLOOR POWER PLAN

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



2 FIRST FLOOR FIRE ALARM PLAN - ALTERNATE 1

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

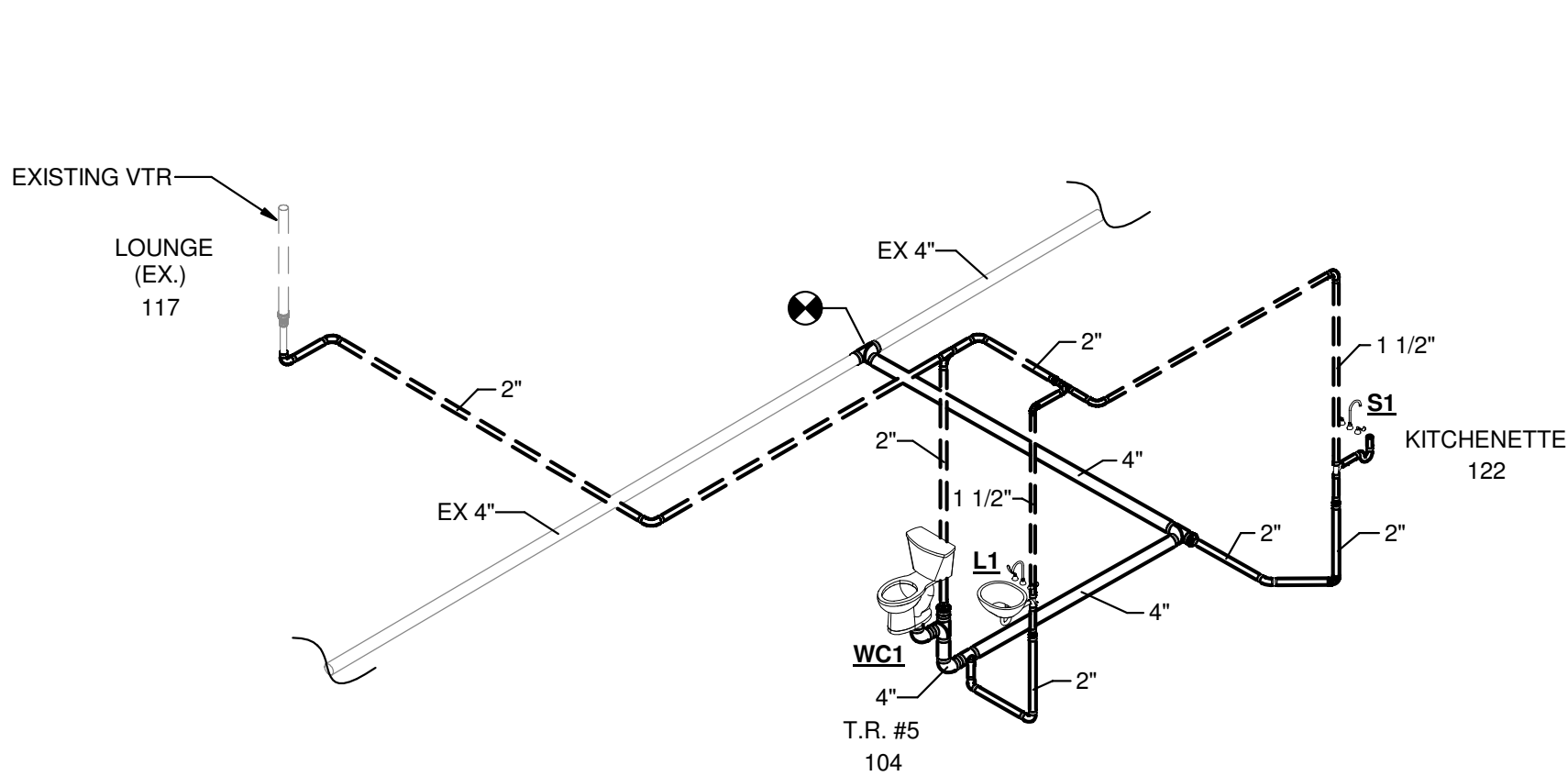
RELEASE / REVISION		
No.	Date	Description
1	10/04/20	ISSUED FOR BIDDING
2	10/22/20	APPENDUM #1 - OWNER REVISIONS

KEYED NOTES:

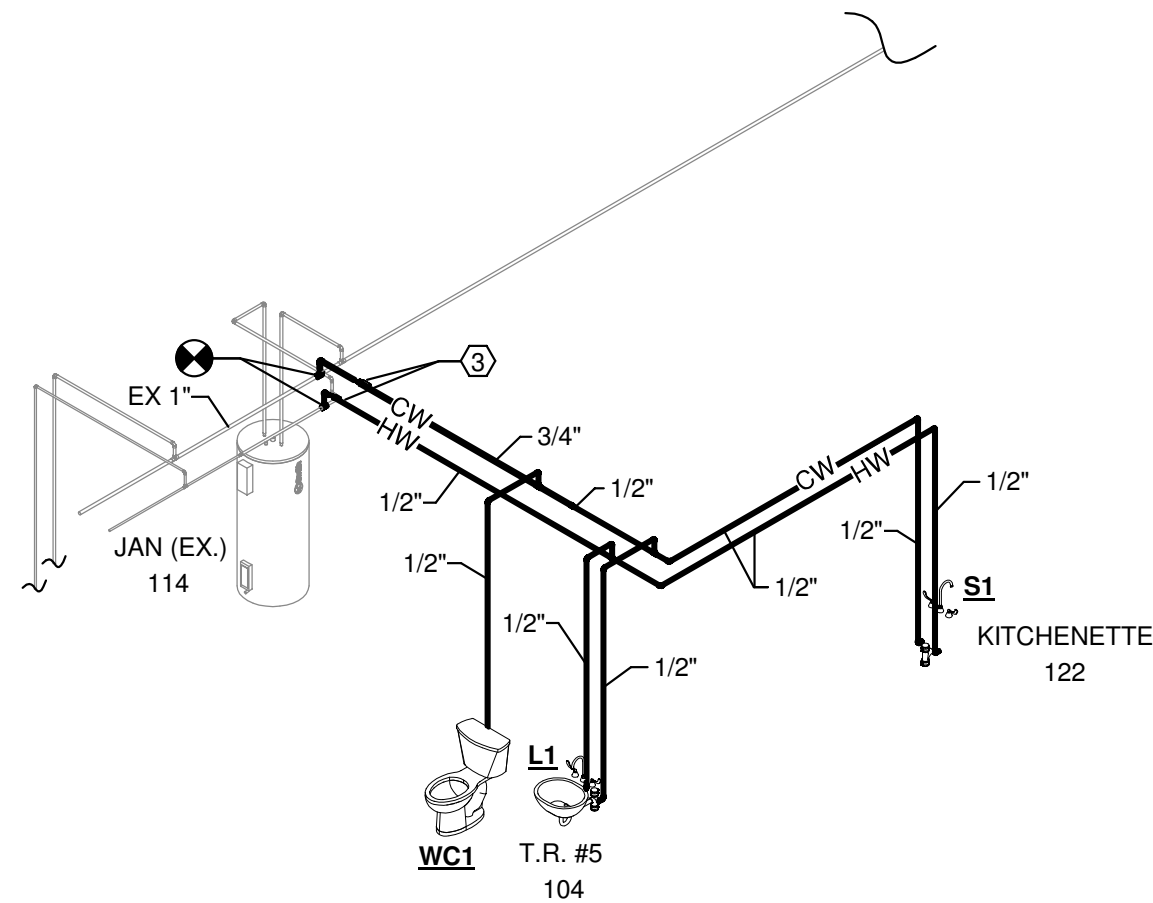
- 1½" VENT, ½" HOT AND COLD WATER DOWN TO FIXTURE.
- 2" VENT, ½" COLD WATER DOWN TO FIXTURE.
- ISOLATION VALVES.
- DISCONNECT GAS PIPING FROM EXISTING DUCT HEATER. RECONNECT GAS PIPING ONCE NEW DUCT HEATER IS INSTALLED.
- NEW GAS METER, REGULATORS, VENTING AND VALVING PER LOCAL GAS COMPANY. METER CAPACITY SHALL BE 630 CFH AT 10" WC, NEW 2" MAIN INTO BUILDING.
- 1¼" GAS LINE RUN ABOVE CEILING.
- PROVIDE GAS VALVE, UNION AND DIRT LEG FOR CONNECTION TO DOAS UNIT.
- REMOVE FIXTURE COMPLETE. REMOVE PIPING BACK TO MAINS AND CAP.
- 1¼" GAS DOWN IN CHASE TO 18" A.F.F. EXTENT THROUGH OUTSIDE WALL.
- 1¼" GAS LINE RUN ABOVE GRADE. PROVIDE PIPE SUPPORTS AND COORDINATE WITH NEW DUCT.
- REMOVE FIXTURE AND PREPARE PIPING FOR NEW CONNECTIONS.
- INSTALL NEW SINK. CONNECT TO EXISTING PIPING. MODIFY EXISTING PIPING TO ACCOMMODATE NEW SINK. PROVIDE DISHWASHER WYE FITTING AND AIR GAP. EXTEND ½" HW TO DISHWASHER.
- PROVIDE DISHWASHER WYE FITTING AND AIR GAP. EXTEND ½" HW TO DISHWASHER.

GENERAL NOTES:

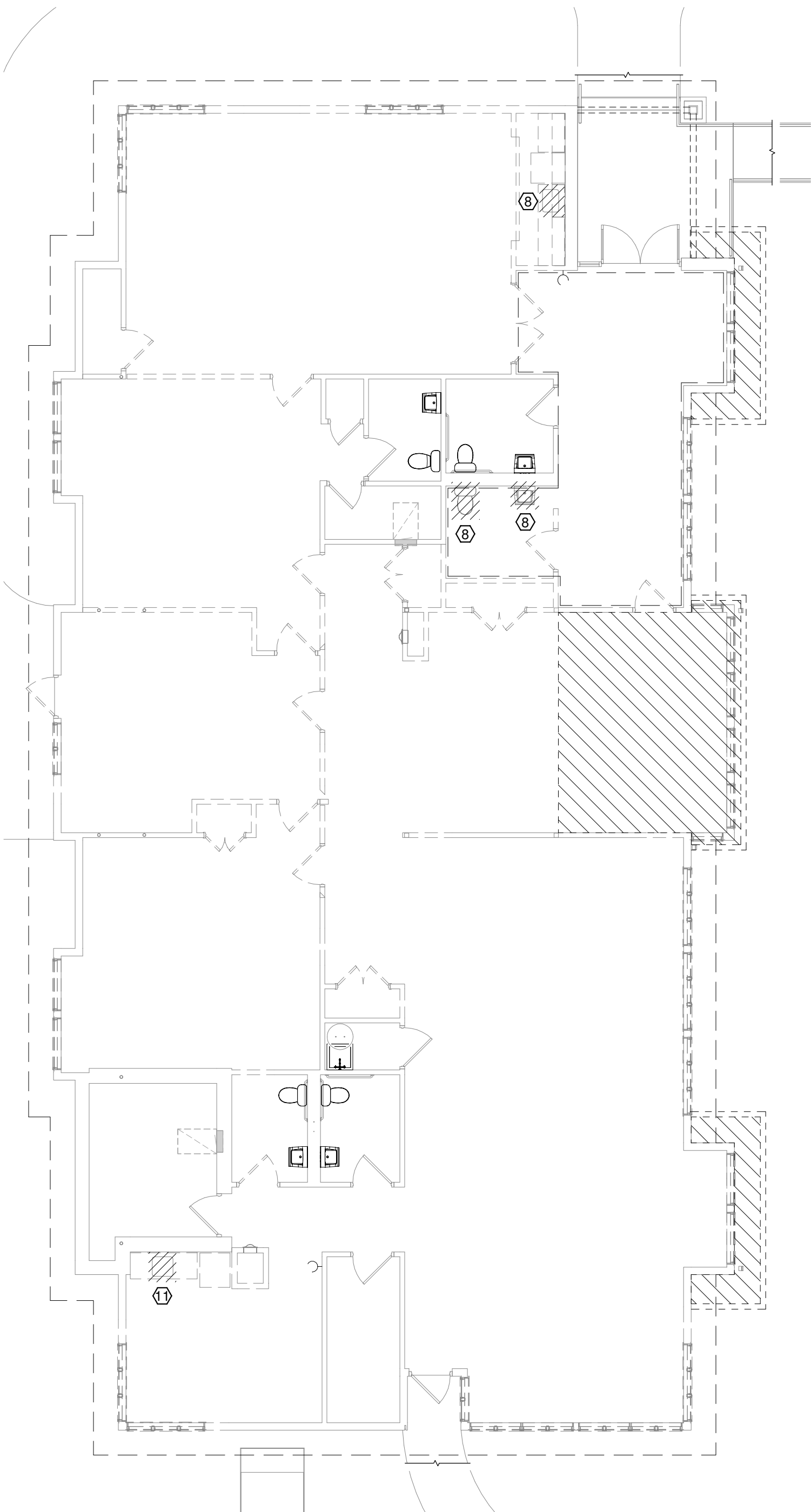
- EXISTING PIPING LOCATIONS HAVE BEEN TAKEN FROM ASBUILT DRAWINGS. FIELD VERIFY EXACT LOCATION.
- WATER PIPING TO BE RUN ABOVE CEILING BUT BELOW INSULATION.



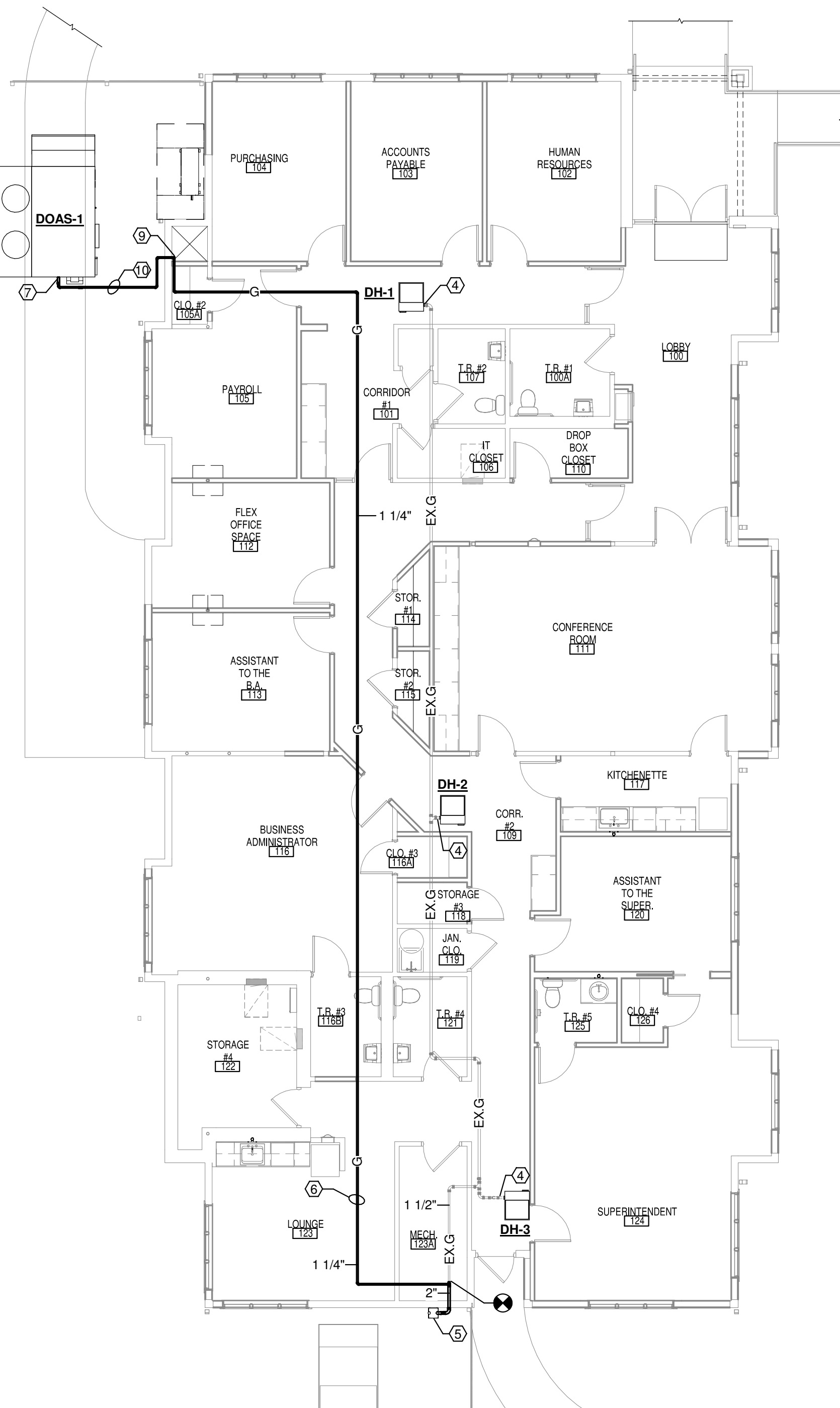
4 WASTE AND VENT PLUMBING RISER PLAN
SCALE:



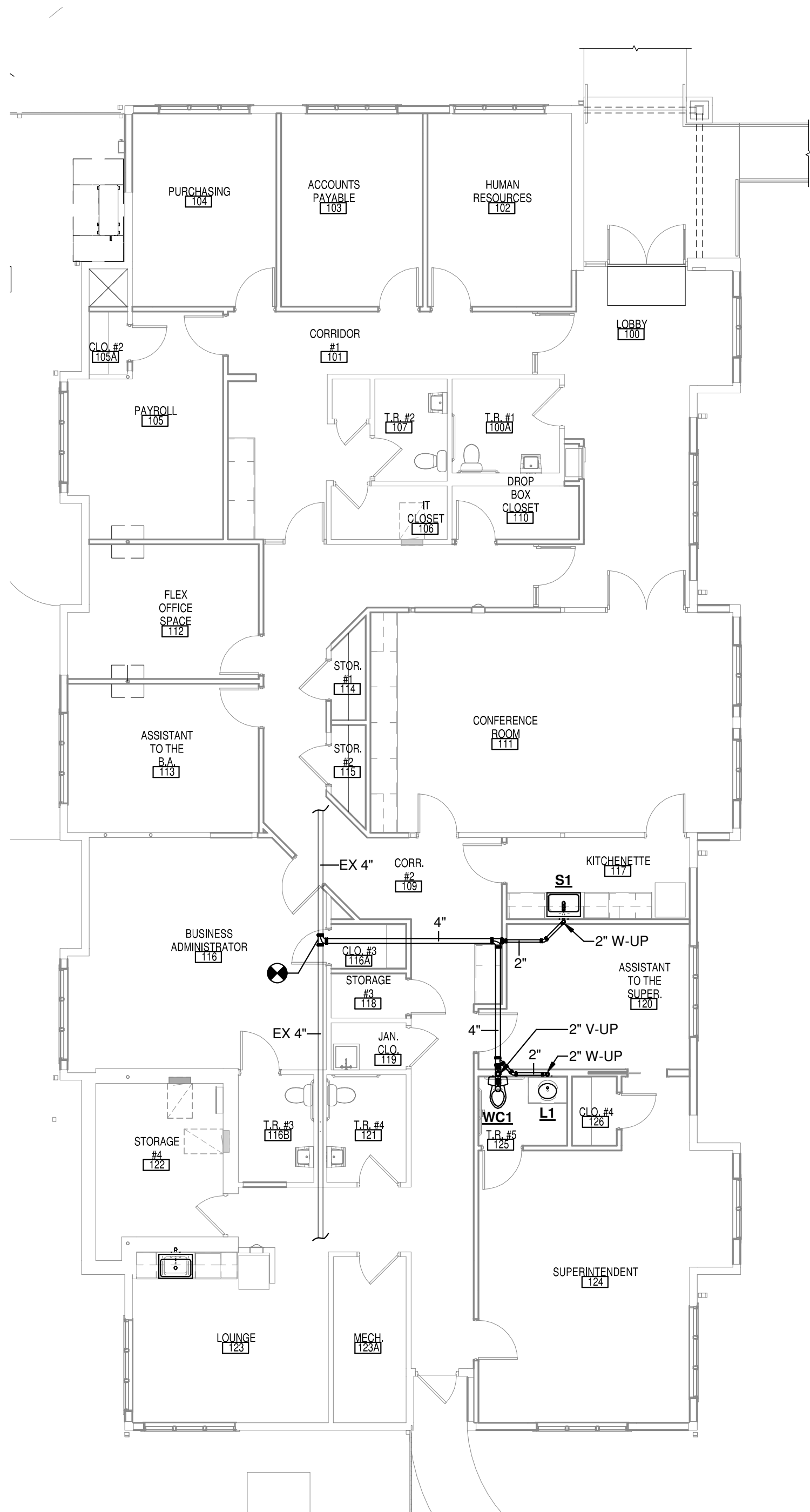
5 DOMESTIC WATER RISER DIAGRAM
SCALE:



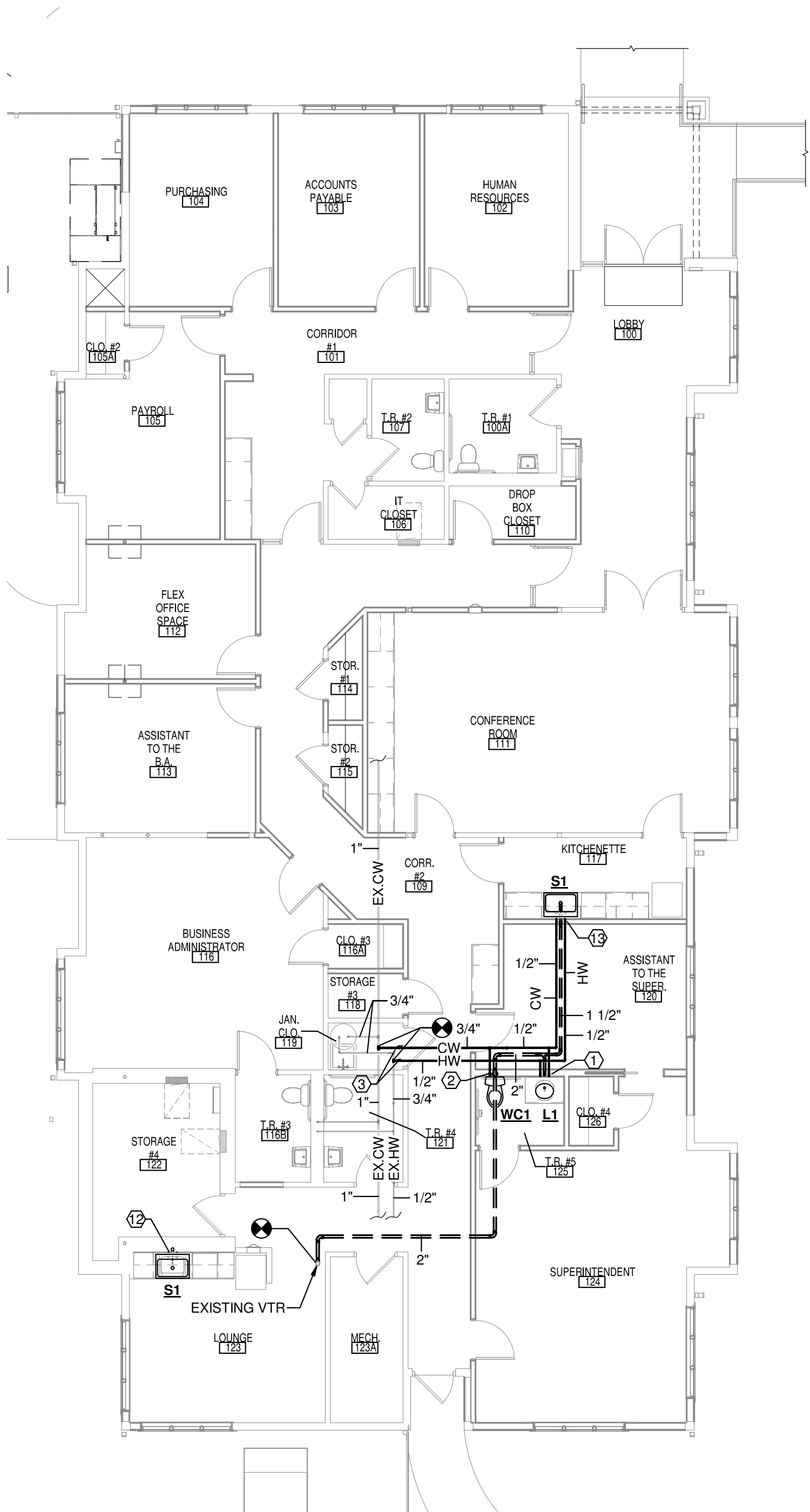
1 PLUMBING REMOVAL PLAN
SCALE: 1/8" = 1'-0"



6 PLUMBING GAS PIPING PLAN
SCALE: 1/8" = 1'-0"



2 BELOW FLOOR PLUMBING PLAN
SCALE: 1/8" = 1'-0"



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



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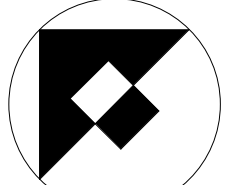
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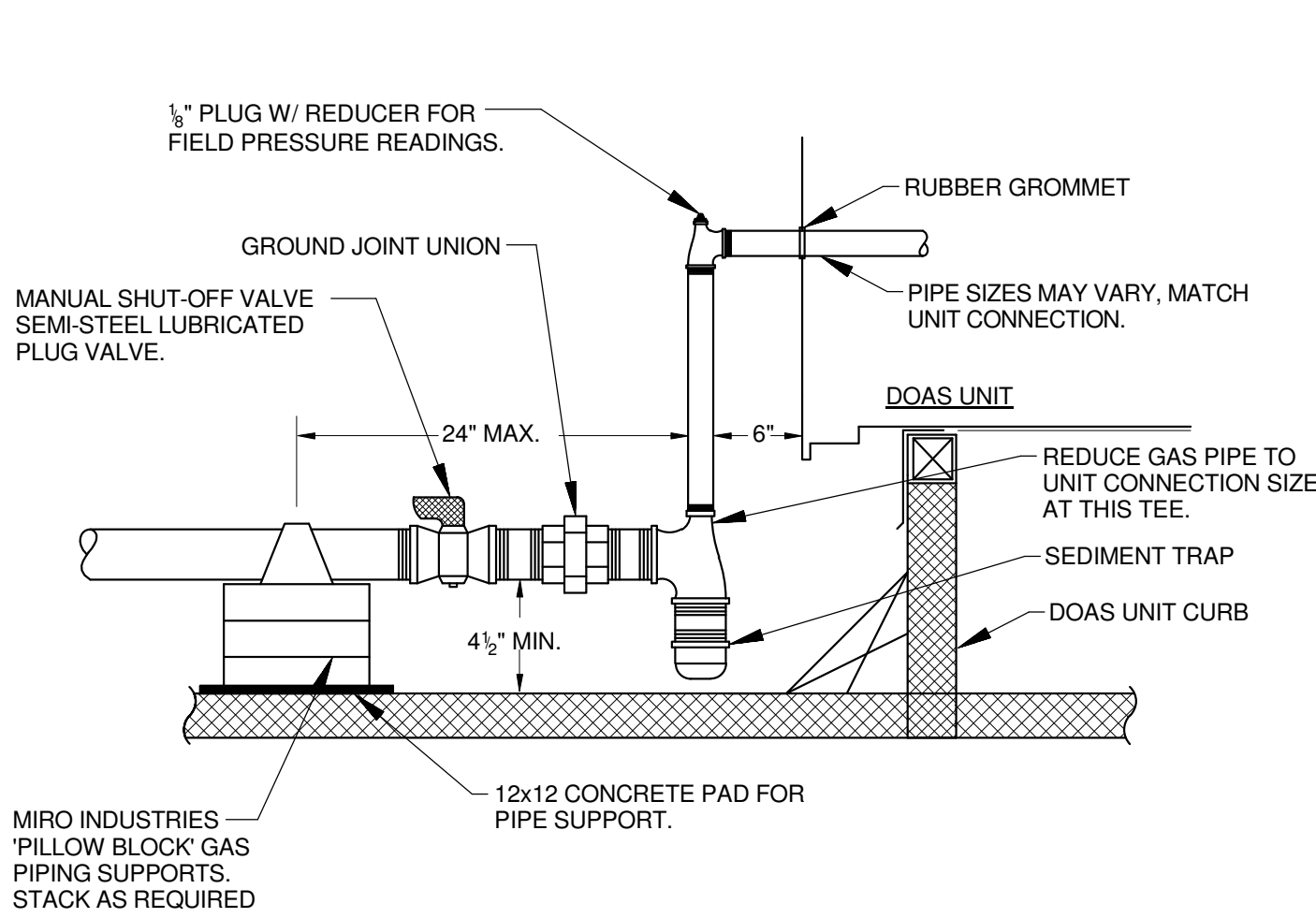
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Drawing
PLUMBING PLANS

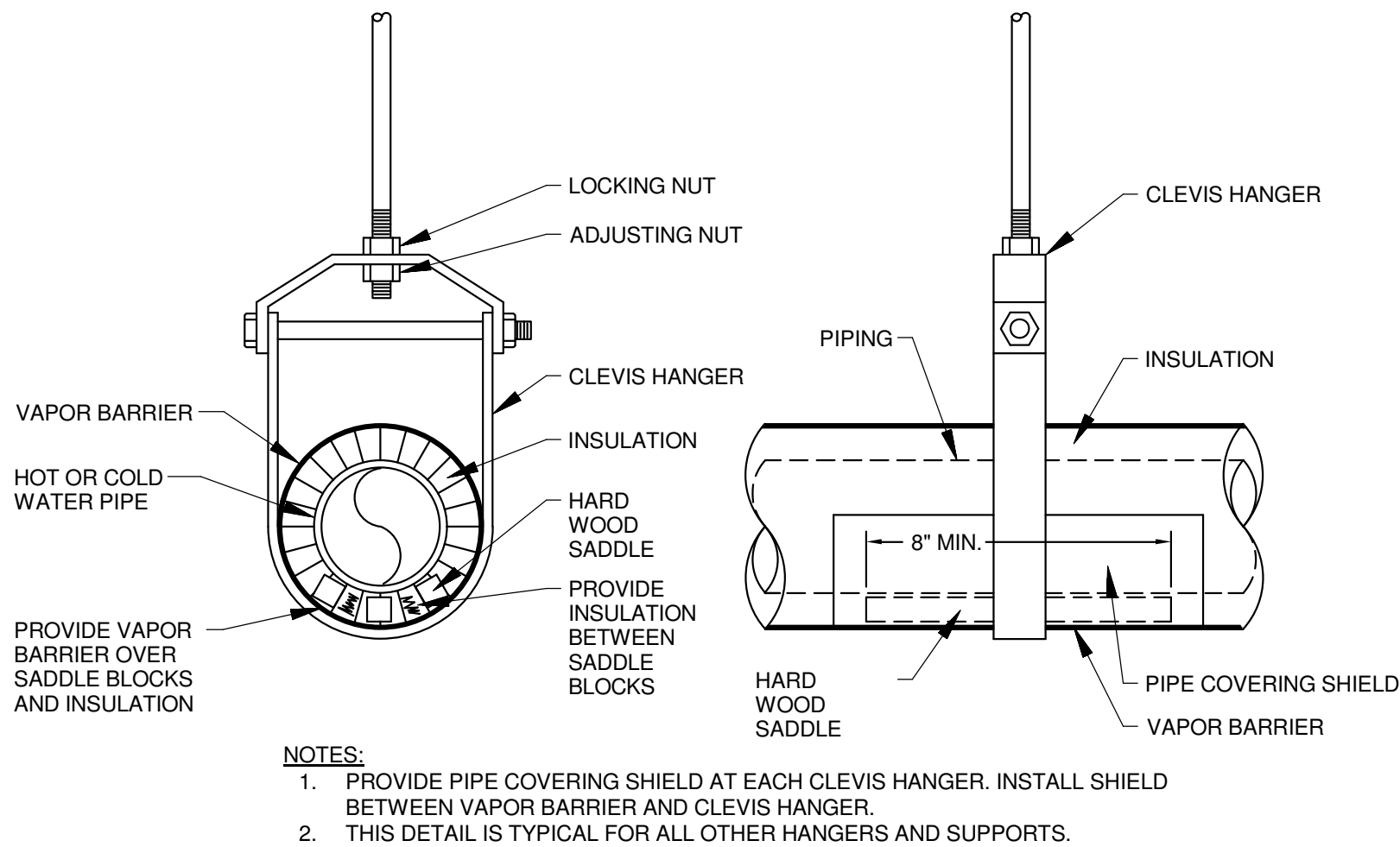


Scale	Job	Sheet
1/8" = 1'-0"	20.048	P1.0
Drawn	Date	
PTB	10/06/20	

SCHEDULE OF PLUMBING FIXTURES AND CONNECTIONS																						
MARK	FIXTURE	MANUFACTURER	MODEL NO.	TYPE	MATERIAL	STYLE	FAUCET / VALVE				SUPPLY STOPS MANUFACTURER AND MODEL	DRAIN				DOMESTIC CW	DOMESTIC HW	DOMESTIC TW	SANITARY WASTE	SANITARY VENT	REMARKS	MARK
							MANUFACTURER & MODEL	SPOUT	HANDLES	CENTERS		TYPE	SIZE	P-TRAP	TAILPIECE							
WC1 (ADA)	WATER CLOSET	ZURN	Z5551-K	FLOOR MOUNT FLUSH TANK	VITREOUS CHINA	A.D.A. ELONGATED SIPHON-JET	---	---	LEVER	---	ZURN Z8804-XL -LK-Q-PC	---	---	---	---	1/2"	---	---	4"	2"	1.6 GALLON FLUSH. ZURN Z5955SS-EL-AM-STS SEAT. TOILET FLANGE BOLTS SHALL BE DOUBLE NUTTED.	WC1 (ADA)
L1	LAVATORY	---	---	INTEGRAL BOWL	---	---	ZURN MODEL Z81000-XL-17M	INTEGRAL WITH FAUCET	LEVER	4"	ZURN Z8804-XL -LK-Q-PC	---	1 1/4"	17 GAUGE 1 1/2" X 1 1/2"	OFFSET	1/2"	1/2"	---	1 1/2"	1 1/2"	ARCHITECTURAL DRAWINGS SHOW DETAILS ON INTEGRAL BOWL SINK. P-TRAP SHALL BE ADJUSTABLE CAST BRASS WITH CLEANOUT. PROVIDE ZURN Z8946-3-NT PROTECTIVE COVERINGS FOR ALL TAILPIECES, TRAP, SUPPLIES.	L1
S1 (ADA)	SINK	ELKAY	LRAD312265PD	SINGLE BOWL DROP IN	STAINLESS STEEL	SELF-RIMMING OFF-CENTERED DRAIN	ZURN MODEL Z831C3-XL-HGT	INTEGRAL WITH FAUCET	4" WRIST BLADES	8"	ZURN Z8804-XL -LK-Q-PC	ZURN Z8739 -17-PC	1 1/2"	17 GAUGE 1 1/2" X 1 1/2"	OFFSET	1/2"	1/2"	---	1 1/2"	1 1/2"	P-TRAP SHALL BE ADJUSTABLE CAST BRASS WITH CLEANOUT.	S1 (ADA)



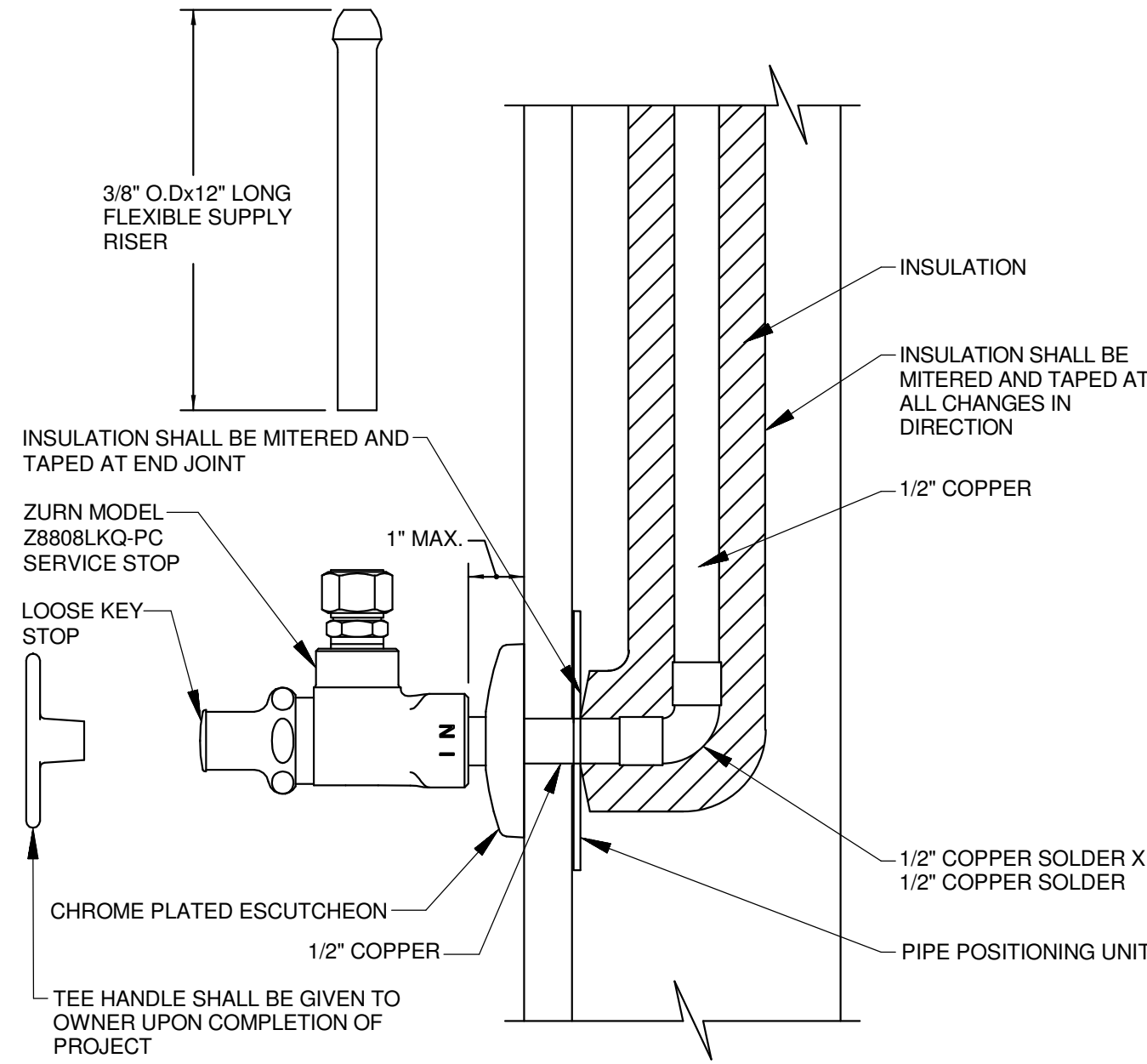
TYPICAL GAS PIPING CONNECTION DETAIL
SCALE: NONE



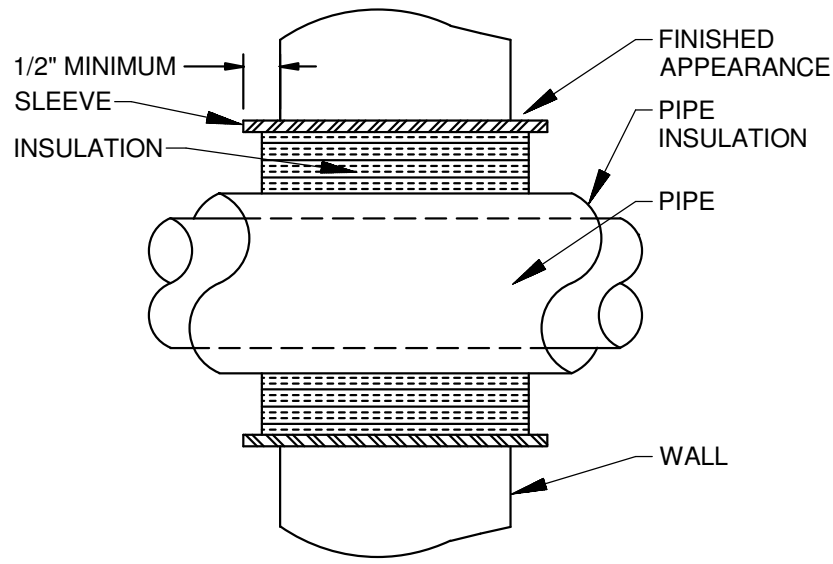
TYPICAL INSULATED PIPE HANGER DETAIL
SCALE: NONE

PLUMBING LEGEND

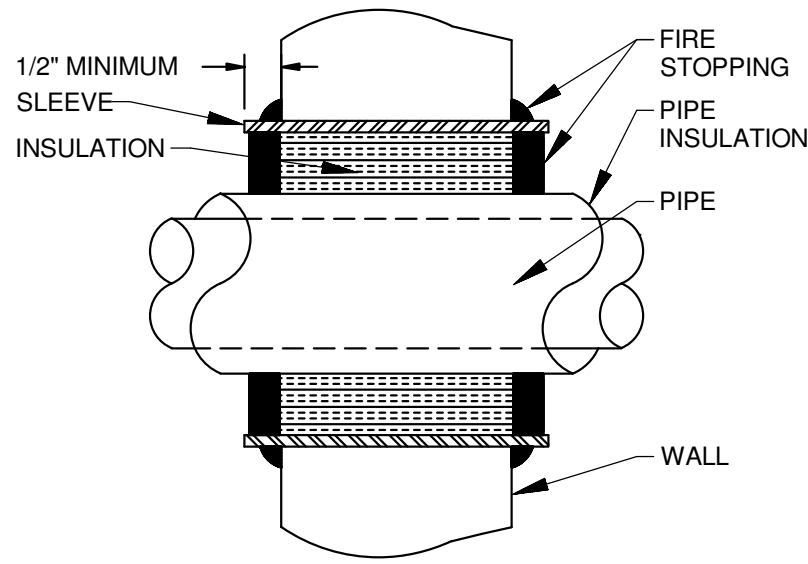
WC	WATER CLOSET - FLOOR SET FLUSH TANK	—	SANITARY WASTE	P	PRESSURE GAUGE
L	LAVATORY - WALL HUNG	- - - -	SANITARY VENT	T	TEMPERATURE GAUGE
S	SINK - DROP-IN	— CW	DOMESTIC COLD WATER		THERMOMETER
		— HW	DOMESTIC HOT WATER		RECIRCULATING PUMP
		— HWR	DOMESTIC HOT WATER RETURN		END CAP
		— G	NATURAL GAS		CONNECTION POINT- NEW TO EXISTING
		—	BALL VALVE		LIMIT OF REMOVAL
		—	SHUT-OFF VALVE	////	INDICATES REMOVAL
		—	CHECK VALVE	A	WALL HYDRANT
		—	PRESSURE REDUCING VALVE		WATER HAMMER ARRESTER
		—	BALANCING STATION SEE DETAIL		ZURN Z-1700 SIZE A-(100), B-(200), C-(300), D-(400)
		—	STRAINER		
		—	REDUCED PRESSURE BACKFLOW PREVENTER		
		—	FLOW-IN DIRECTION OF ARROW		
		—	RISER OR DROP		
		—	BRANCH CONNECTION OFF TOP		
		—	RISER DOWN		
		—	RISER UP		



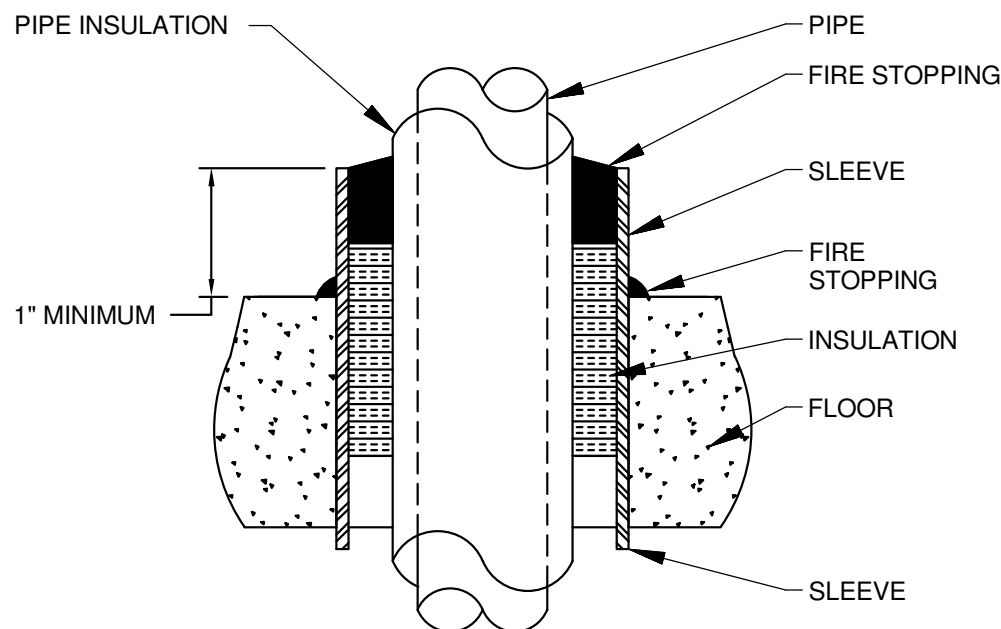
TYPICAL SERVICE STOP INSTALLATION DETAIL
SCALE: NONE



INTERIOR NON-RATED WALL PIPE SLEEVE DETAIL
SCALE: NONE



INTERIOR RATED WALL PIPE SLEEVE DETAIL
SCALE: NONE



FLOOR PIPE SLEEVE DETAIL
SCALE: NONE

RELEASE / REVISION		
No.	Date	Description
1	10/04/20	ISSUED FOR BIDDING
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Drawing
PLUMBING SCHEDULE,
DETAILS AND LEGEND

Scale	Job	Sheet
	20.048	P2.0
Drawn	Date	
PTB	10/06/20	