

1 PLUMBING SITE PLAN
SCALE: 1" = 20'-0"

20' 0' 20' 40'
SCALE: 1"=20'-0"

PROJECT NORTH

DAG

ARCHITECTS

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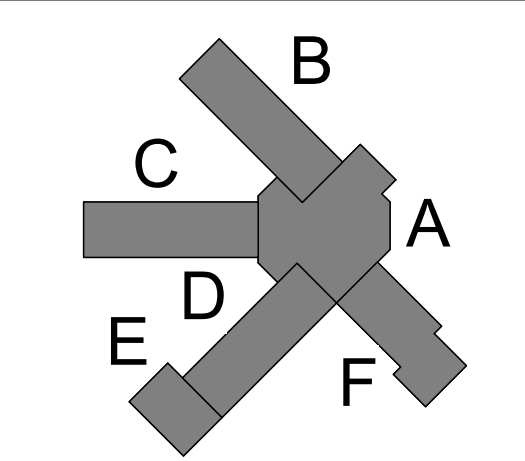
PHASE III
DOCUMENTS

NOT FOR
CONSTRUCTION

SANTA ROSA COUNTY SCHOOL DISTRICT
SCHOOL A

4910 CHARISMA STREET, MILTON, FL 32570

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W: www.schmidtsg.com
FLORIDA LICENSE NUMBER 00000
SCG project: 2020-104

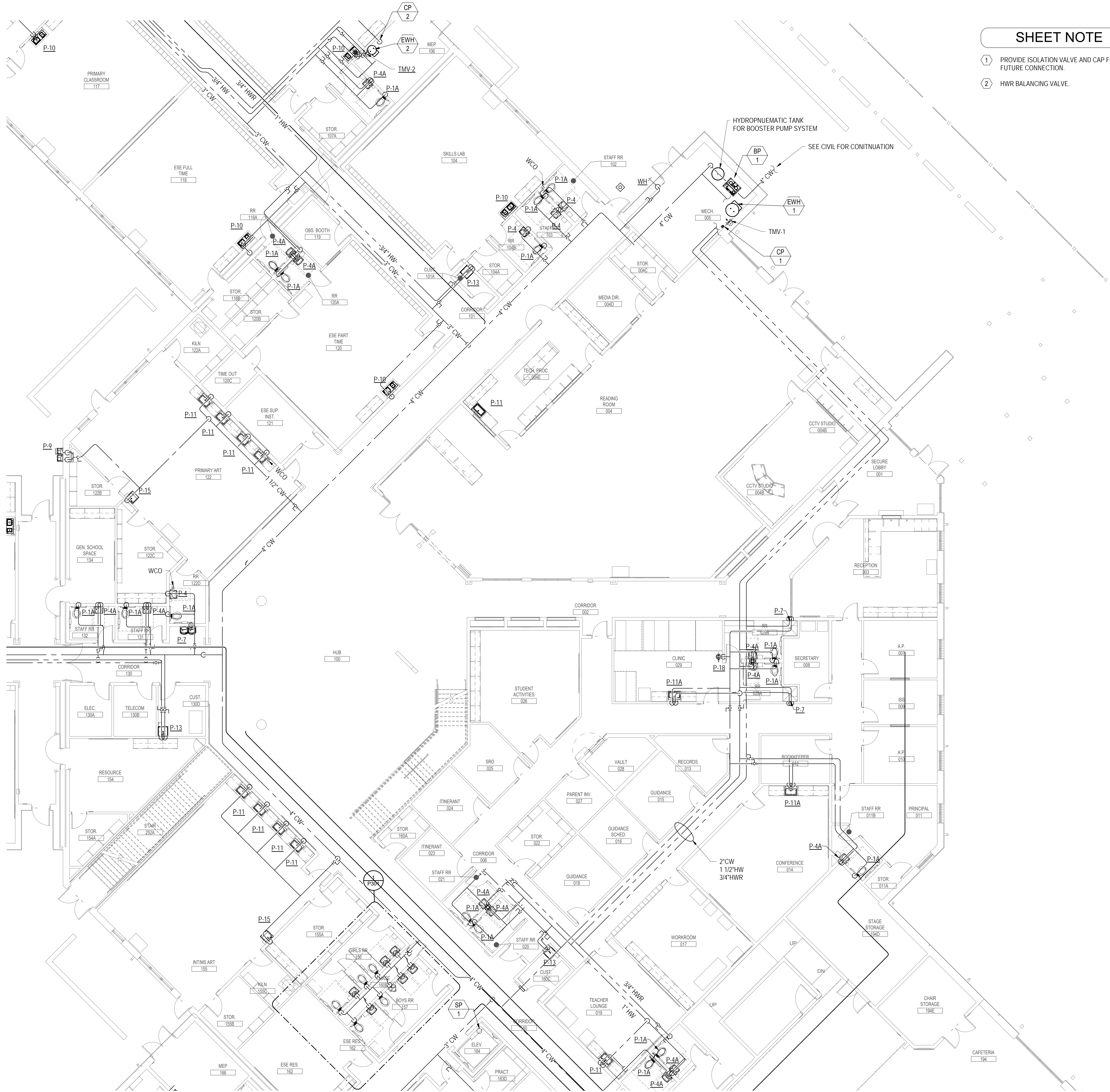


REVISIONS:		
No.	Description	Date

PLUMBING SITE
PLAN

Project Number	20001
Dated	JUNE 2, 2020
Drawn By	JML
Approved By	WJJ
PM	JML

P100



SHEET NOTE

- 1 PROVIDE ISOLATION VALVE AND CAP FOR FUTURE CONNECTION.
2 HWR BALANCING VALVE.



1

FIRST FLOOR DOMESTIC WATER PLAN - AREA A

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

8' 0' 8' 16'
SCALE: 1/8"=1'-0"

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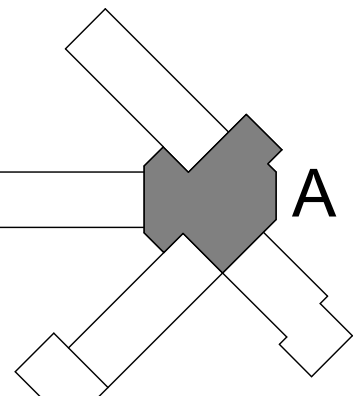
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SCG project: 2020-104



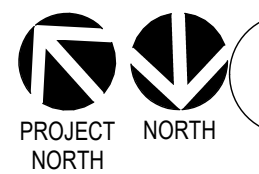
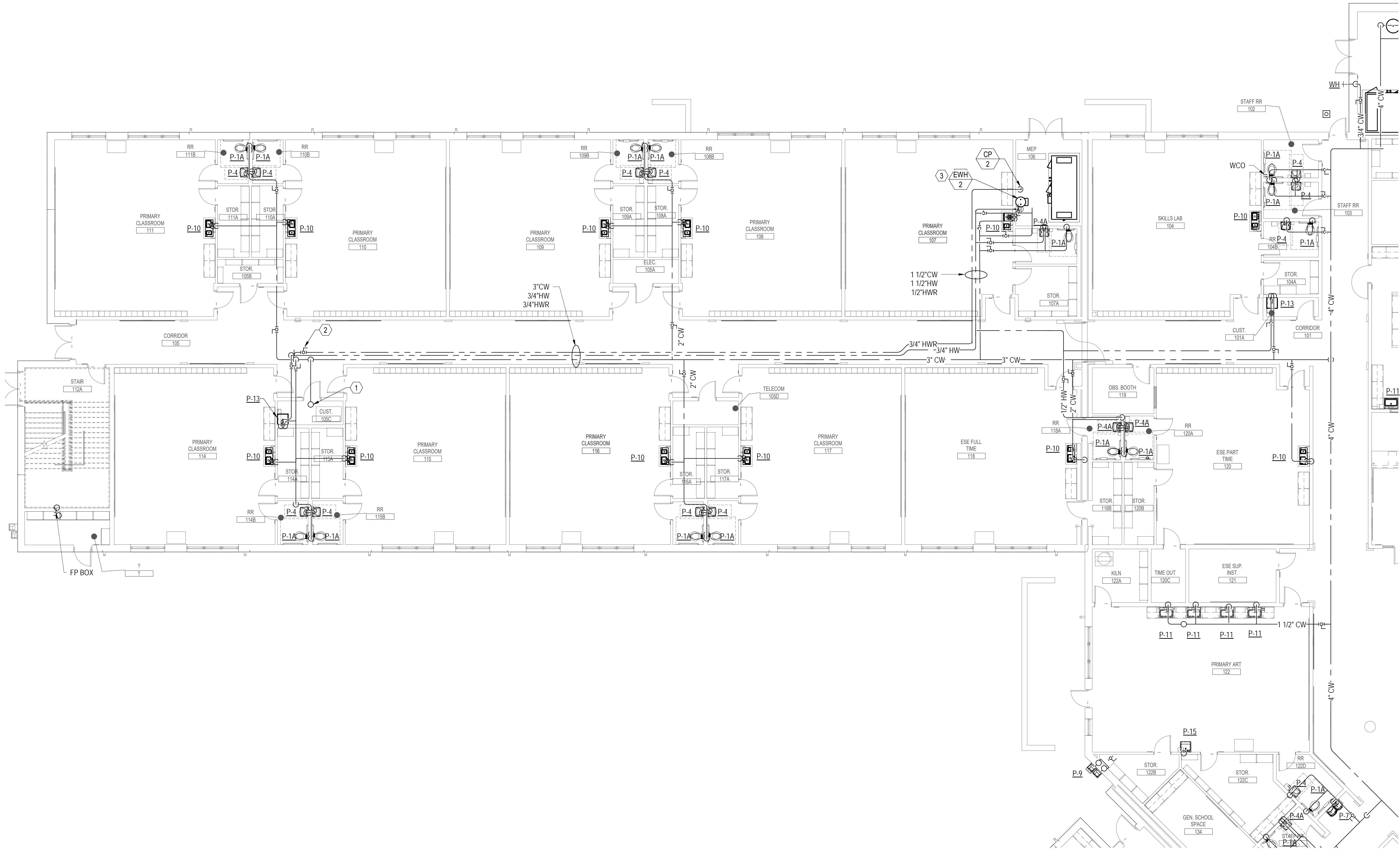
REVISIONS:

No.	Description	Date

FIRST FLOOR
DOMESTIC WATER
PLAN - AREA A

Project Number	20001
Dated	JUNE 2, 2020
Drawn By	JML
Approved By	WJJ
PM	WJJ

P210



1 FIRST FLOOR DOMESTIC WATER PLAN - AREA B

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

SHEET NOTE

- 1 CW UP TO SECOND FLOOR.
- 2 HWR BALANCING VALVE.
- 3 REFER TO DETAIL X ON SHEET PXXX FOR EWH PIPING DIAGRAM.

8' 0' 8' 16'
SCALE: 1/8"=1'-0"

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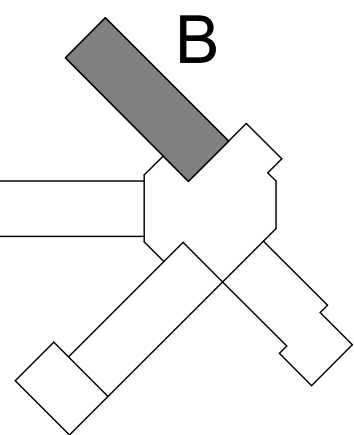
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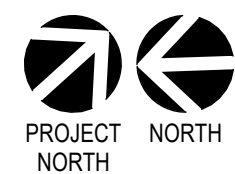
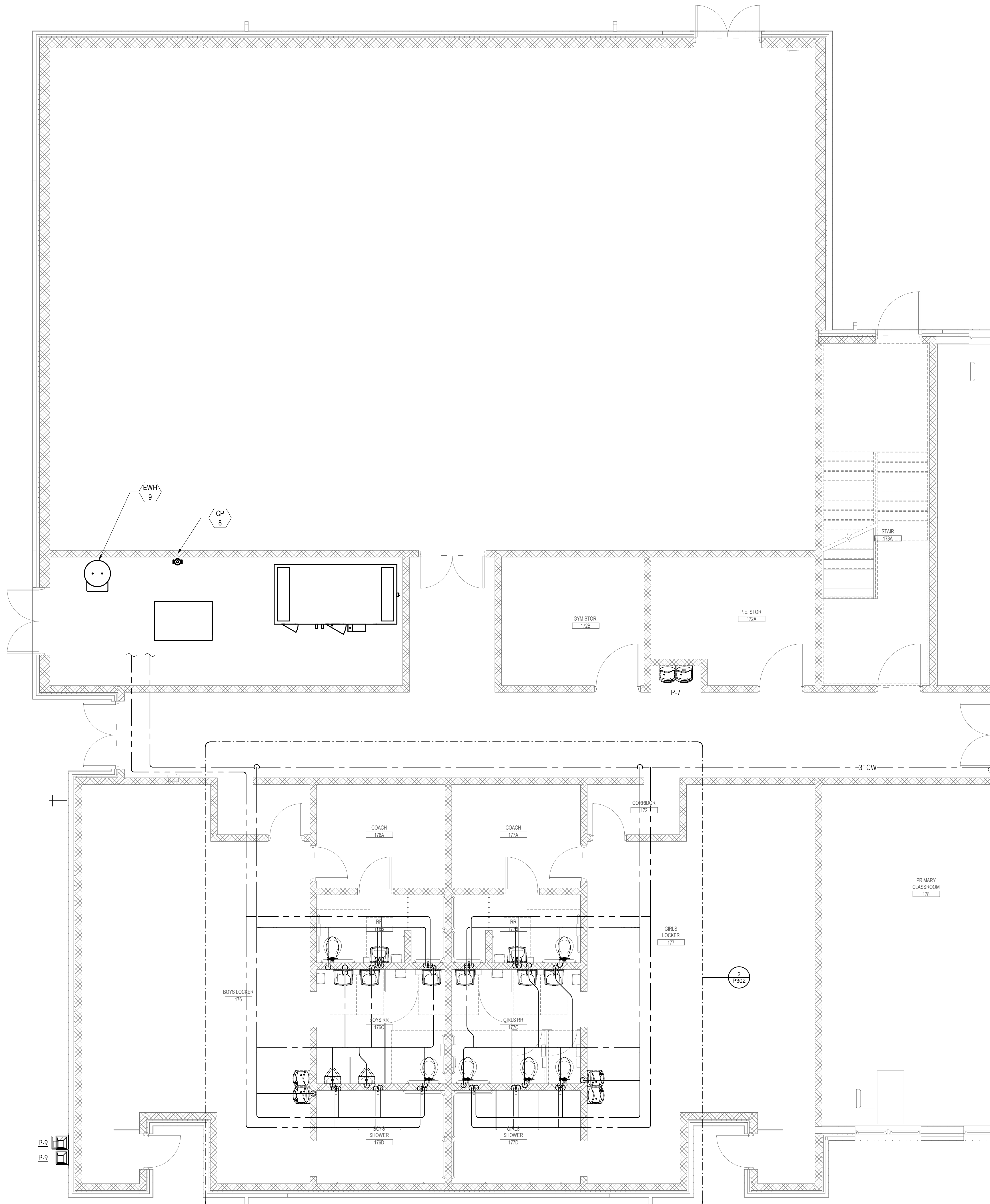
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SCG project: 2020-104



No.	Description	Date

FIRST FLOOR
DOMESTIC WATER
PLAN - AREA B

Project Number	20001
Dated	JUNE 2, 2020
Drawn By	JML
Approved By	WJJ
PM	WJJ



1

FIRST FLOOR DOMESTIC WATER PLAN - AREA E

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

4' 0' 4' 8'
SCALE: 1/4"=1'-0"

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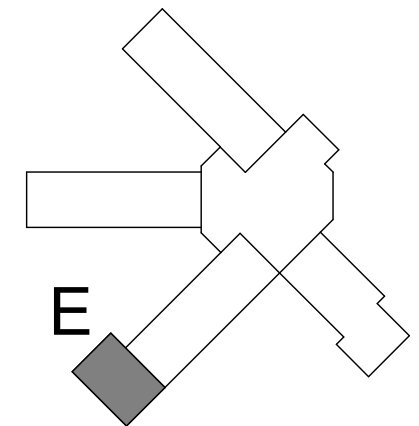
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SCG project: 2020-104



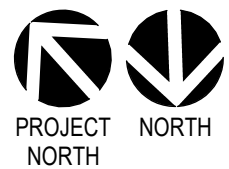
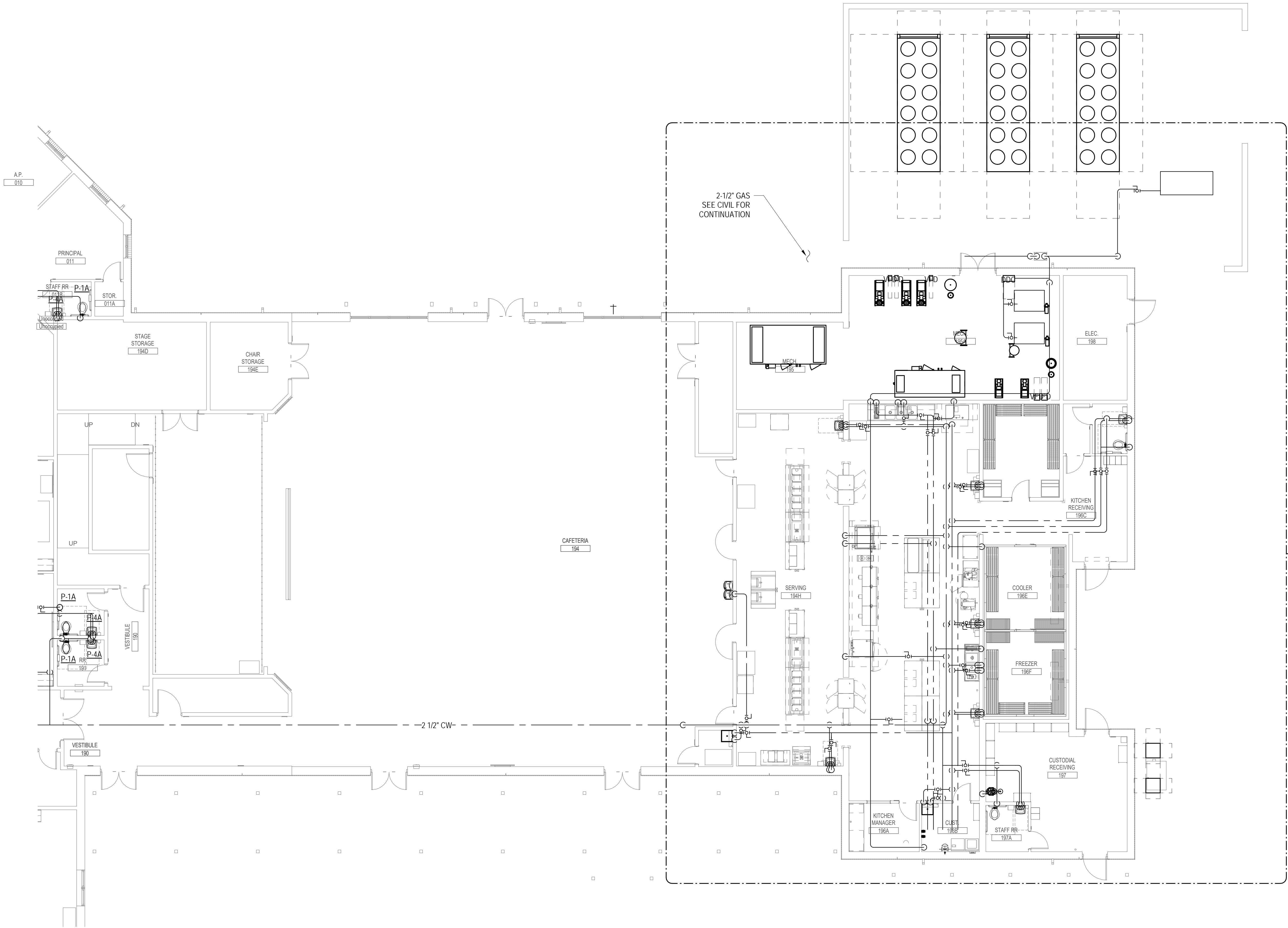
REVISIONS:

No.	Description	Date

FIRST FLOOR
DOMESTIC WATER
PLAN - AREA E

Project Number	20001
Dated	JUNE 2, 2020
Drawn By	Author
Approved By	Approver
PM	Designer

P214



1

FIRST FLOOR DOMESTIC WATER PLAN - AREA F

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

8' 0' 8' 16'
SCALE: 1/8"=1'-0"

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DOCUMENTS

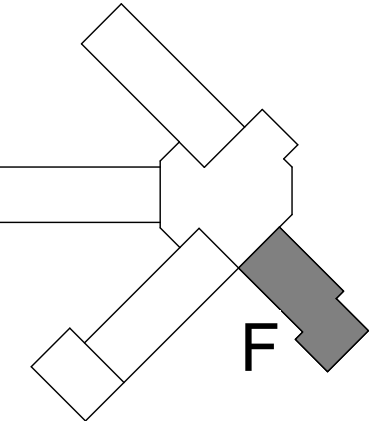
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SCHOOL A

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SCG project: 2020-104



REVISIONS:		
No.	Description	Date

FIRST FLOOR
DOMESTIC WATER
& GAS PLAN -
AREA F

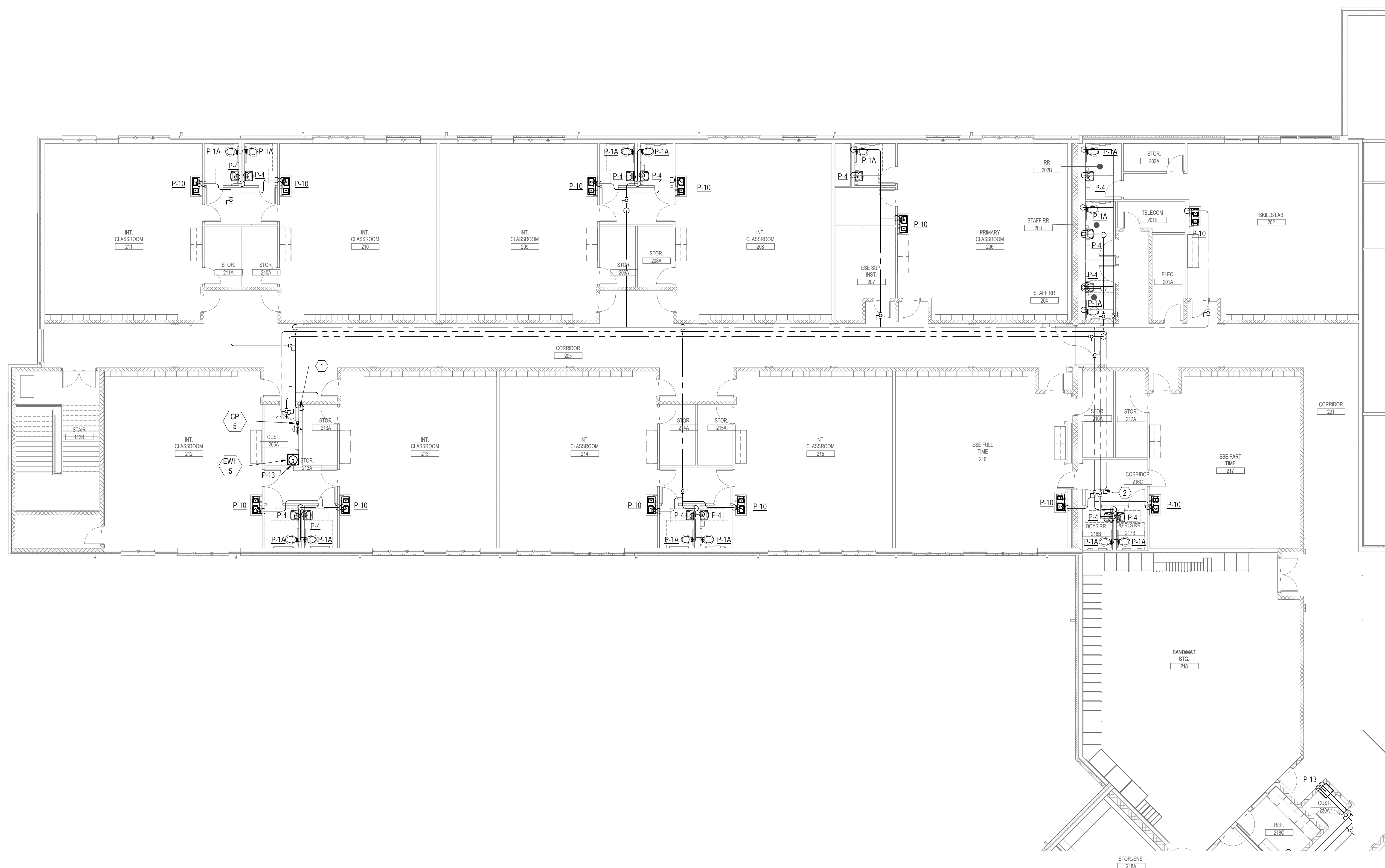
Project Number	20001
Dated	JUNE 2, 2020
Drawn By	JML
Approved By	WJJ
PM	WJJ

P215

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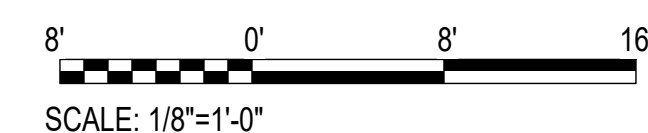
SECOND FLOOR
DOMESTIC WATER
PLAN - AREA B

Project Number	20001
Dated	JUNE 2, 2020
Drawn By	JML
Approved By	WJJ
PM	WJJ



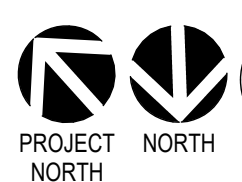
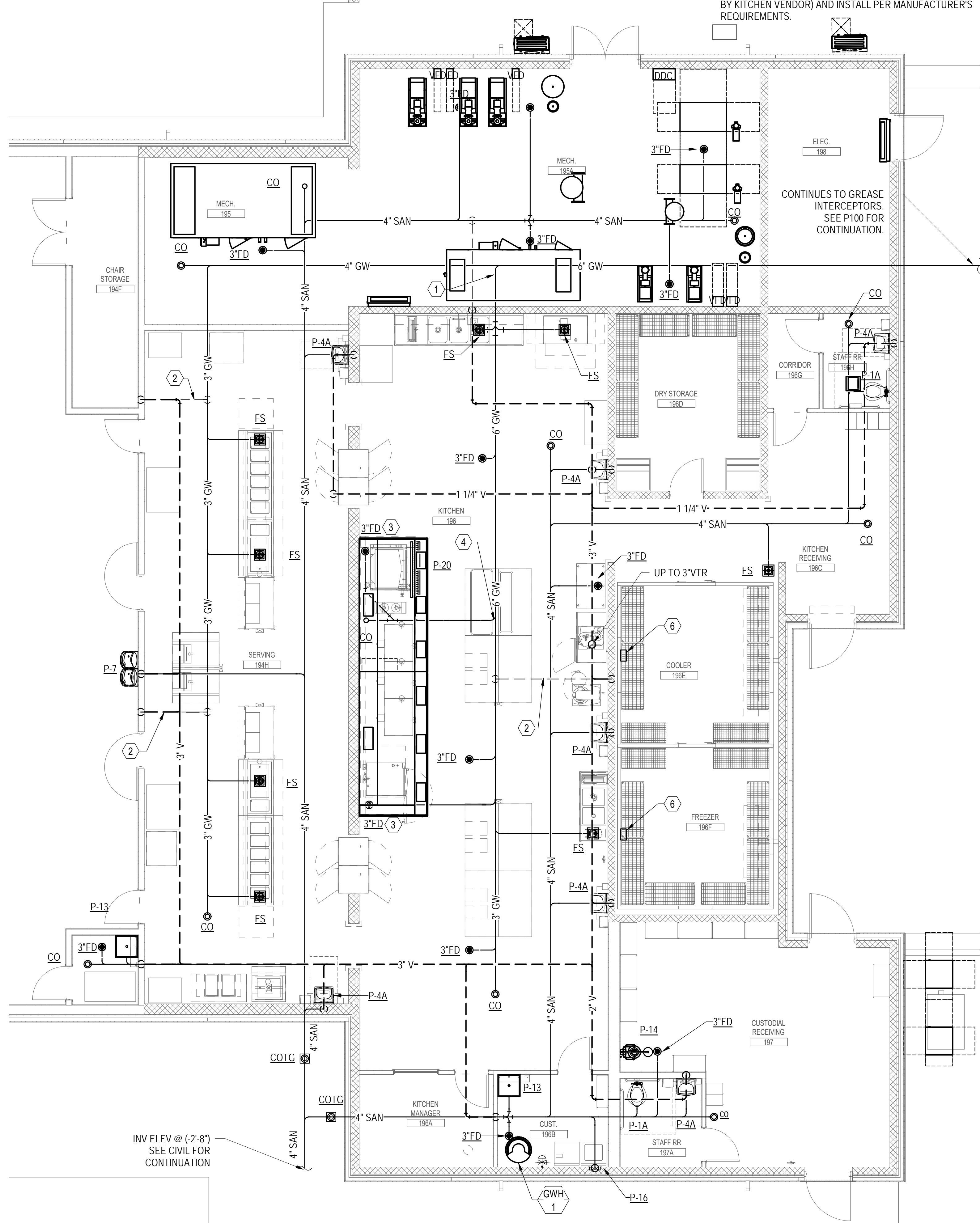



DOMESTIC WATER SECOND FLOOR - AREA B
 SCALE: 1/8" = 1'-0"



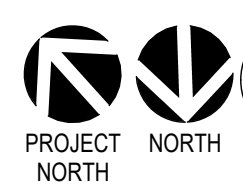
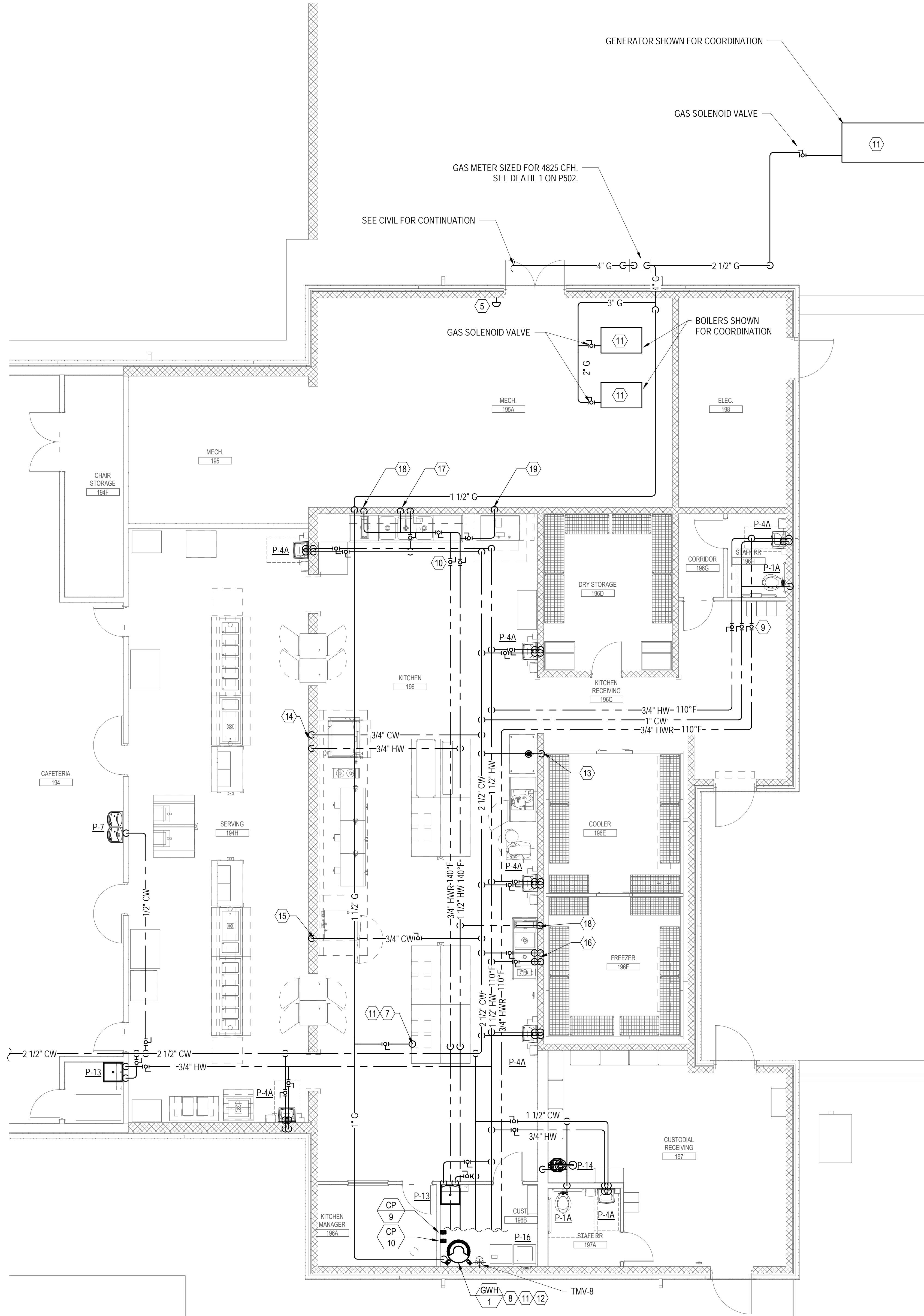
SHEET NOTES

- ROUTE VENT OFF TOP OF SANITARY LINE, UNDER SLAB, AND UP IN WALL.
- ROUTE VENT OFF TOP OF GREASE WASTE LINE, UNDER SLAB, AND UP IN WALL.
- PROVIDE GREASE DRAIN PIPING FROM EACH GREASE EXHAUST FAN. ROUTE ABOVE CEILING, DOWN INSIDE WALL CAVITY, AND ROUTE TO FLOOR DRAIN. PROVIDE AIR GAP. COORDINATE WITH MECHANICAL FOR EXHAUST FAN LOCATION.
- PROVIDE COPPER PIPING UPSTREAM THIS POINT TO P-20 TRENCH DRAIN. COPPER PIPING INDICATED BY A THICK LINE.
- EMERGENCY GAS SHUTOFF BUTTON (MUSHROOM TYPE) FOR GAS SOLENOID VALVES. PROVIDE GAS SOLENOID VALVE WITH ELECTRIC ACTUATOR BATTERY BACKUP.
- EVAPORATOR COIL (PROVIDED BY KITCHEN VENDOR) ROUTE EVAPORATOR CONDENSATE DRAIN TO FLOOR DRAIN FOR INDIRECT WASTE CONNECTION. PROVIDE P-TRAP ABOVE THE FLOOR OUTSIDE OF REFRIGERATED SPACE TO AVOID ENTRANCE OF WARM AIR. EVAPORATOR AND PIPING SHOWN FOR INFORMATION ONLY. COORDINATE WITH FURNISHED EQUIPMENT.
- ROUTE 1" GAS UP TO MAKE UP AIR UNIT ON ROOF. COORDINATE WITH MECHANICAL.
- ROUTE FLUE AND INTAKE FROM GWH-1 UP TO ROOF SEE DETAIL 6 ON P502.
- 110°F HWR BALANCING VALVE
- 140°F HWR BALANCING VALVE
- REFER TO DETAIL 1 ON P502 FOR GAS CONNECTION TO EQUIPMENT.
- REFER TO DETAIL 6 ON P502 FOR GWH PIPING DIAGRAM.
- ROUTE 3/4" CW TO ICE MAKERS (PROVIDED BY KITCHEN VENDOR) AND INSTALL PER MANUFACTURER'S REQUIREMENTS.
- ROUTE 3/4" CW AND 3/4" 140°F HW WITHIN WALL TO ELECTRIC TILTING SKILLET (PROVIDED BY KITCHEN VENDOR) AND INSTALL PER MANUFACTURER'S REQUIREMENTS. INSULATE EXPOSED HOT WATER PIPE.
- ROUTE 3/4" CW TO COMBI OVEN (PROVIDED BY KITCHEN VENDOR) AND INSTALL PER MANUFACTURER'S REQUIREMENTS. TOUTE ATER TO FILTER PRIOR TO BEING ROUTED TO COMBI OVEN IF FILTER PROVIDED BY KITCHEN VENDOR.
- ROUTE 3/4" CW AND 3/4" 140°F HW DOWN IN WALL TO TWO COMPARTMENT SINK (PROVIDED BY KITCHEN VENDOR) AND INSTALL PER MANUFACTURER'S REQUIREMENTS.
- ROUTE 3/4" CW AND 3/4" 140°F HW DOWN IN WALL TO THREE COMPARTMENT SINK (PROVIDED BY KITCHEN VENDOR) AND INSTALL PER MANUFACTURER'S REQUIREMENTS.
- ROUTE 3/4" 140°F HW TO HOSE REEL (PROVIDED BY KITCHEN VENDOR) AND INSTALL PER MANUFACTURER'S REQUIREMENTS. PROVIDE SHUTOFF VALVE AT ±5'-0" A.F.F. COORDINATE WITH ARCHITECTURAL.
- ROUTE 3/4" 140°F HW WITHIN WALL TO DISHWASHER (PROVIDED BY KITCHEN VENDOR) AND INSTALL PER MANUFACTURER'S REQUIREMENTS.



1 ENLARGED SANITARY & VENT PLAN - KITCHEN

SCALE: 3/16" = 1'-0"



2 ENLARGED DOMESTIC WATER & GAS PLAN - KITCHEN

SCALE: 3/16" = 1'-0"

5' 0' 5' 10'
SCALE: 3/16"=1'-0"

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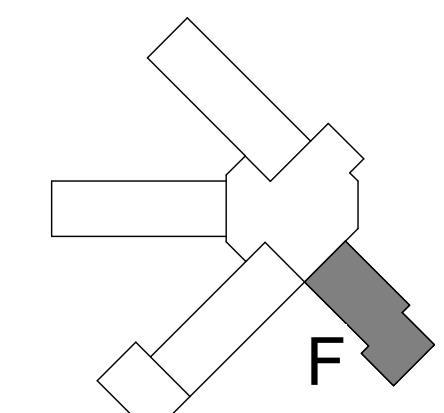
PHASE III
DOCUMENTS

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SANTA ROSA COUNTY SCHOOL DISTRICT
SCHOOL A

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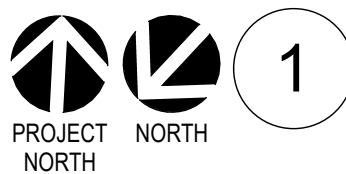


REVISIONS:		
No.	Description	Date

ENLARGED
KITCHEN PLANS

Project Number	20001
Dated	JUNE 2, 2020
Drawn By	JML
Approved By	WJJ
PM	WJJ

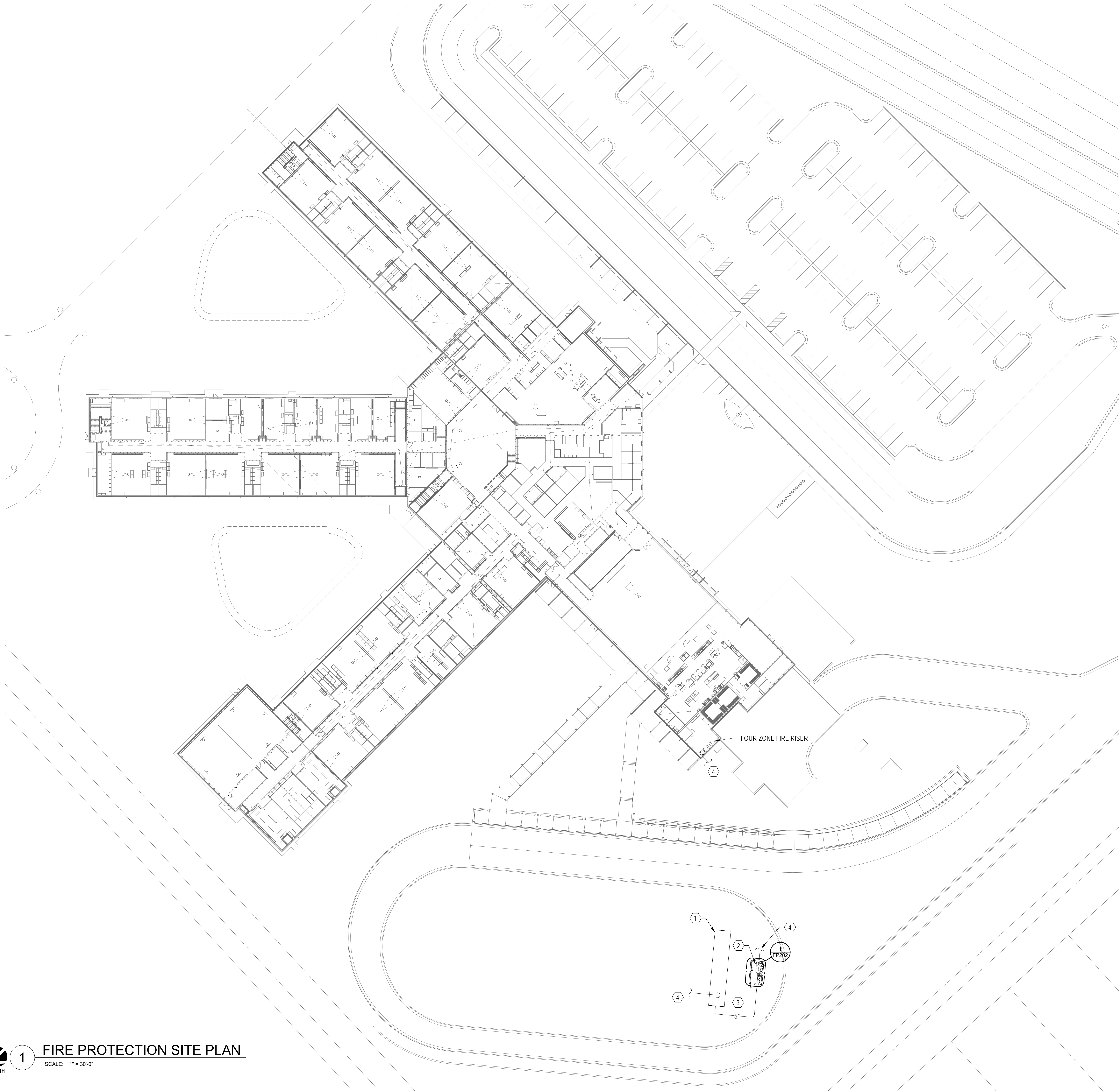
P305



1

FIRE PROTECTION SITE PLAN

SCALE: 1" = 30'-0"



SHEET NOTES

- 45,000 GALLON FIRE TANK, 2/3 FULL OF WATER, 1/3 FULL OF AIR AT ATMOSPHERIC PRESSURE (14.7 PSIA), ABOVE GROUND, HORIZONTAL CONFIGURATION, CONSTRUCTED FROM STEEL AS REQUIRED PER NFPA 13 FOR GRAVITY FIRE TANK. SIMILAR TO HIGHLAND TANK ASME PRESSURE VESSEL. APPROX. DIMENSION OF TANK IS 12'0" x 57'-6" L. PROVIDE WITH SADDLES, SADDLE SPACING AS REQUIRED PER MANUFACTURER. SADDLE HEIGHT SHALL BE AS REQUIRED TO ELEVATE THE TANK SUCH THAT THE BOTTOM OF THE TANK IS 6' ABOVE GRADE. SEE SPECIFICATION 21 41 00 FOR FURTHER REQUIREMENTS.
- PRE-PACKAGED FIRE PUMP HOUSE. REFER TO SPECIFICATIONS FOR PUMP HOUSE REQUIREMENTS. REFER TO DRAWINGS ON FP202 FOR FURTHER INFORMATION.
- ROUTE 8" PIPE ABOVE GRADE FROM TANK OUTLET TO FIRE PUMP HOUSE INLET.
- SEE CIVIL FOR CONTINUATION.

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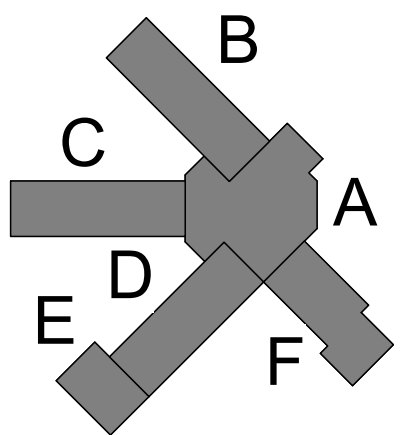
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SCG project: 2020-104



No.	Description	Date

FIRE PROTECTION
SITE PLAN

Project Number	20001
Dated	JUNE 2, 2020
Drawn By	JML
Approved By	WJJ
PM	JML

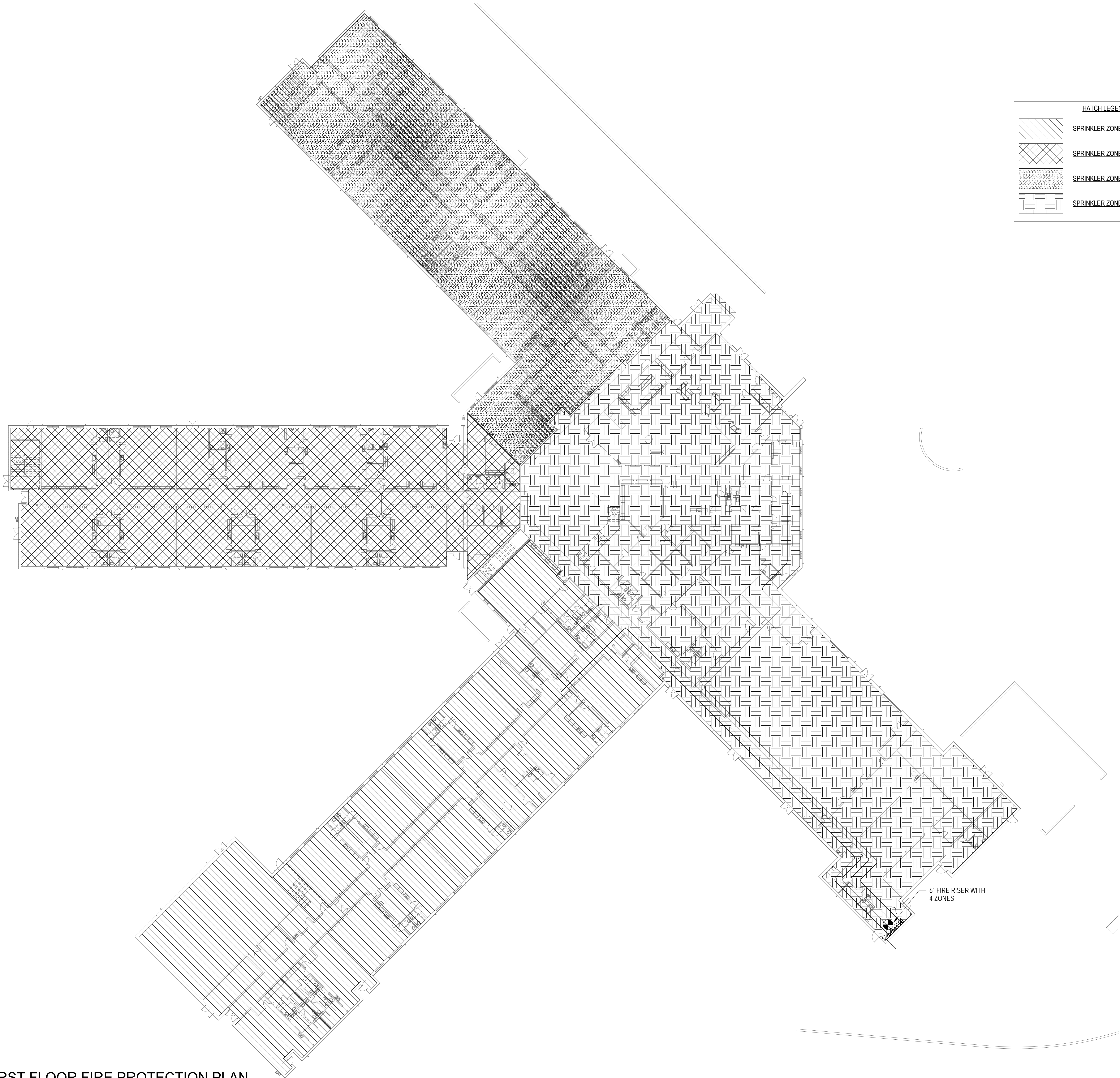
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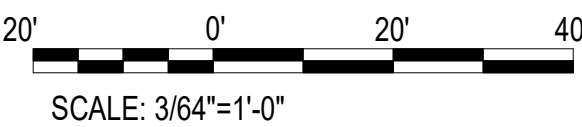
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OVERALL FIRST FLOOR FIRE PROTECTION PLAN

SCALE: 3/64"=1'-0"



HATCH LEGEND	
	SPRINKLER ZONE 1
	SPRINKLER ZONE 2
	SPRINKLER ZONE 3
	SPRINKLER ZONE 4



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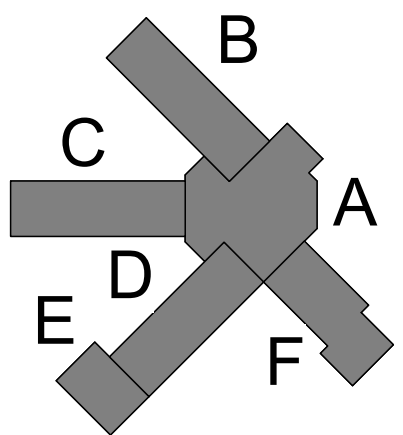
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FLORIDA LICENSE NUMBER 90089
SCG project: 2020-104



REVISIONS:		
No.	Description	Date

OVERALL FIRST
FLOOR FIRE
PROTECTION
PLAN

Project Number	20001
Dated	JUNE 2, 2020
Drawn By	JML
Approved By	WJJ
PM	WJJ

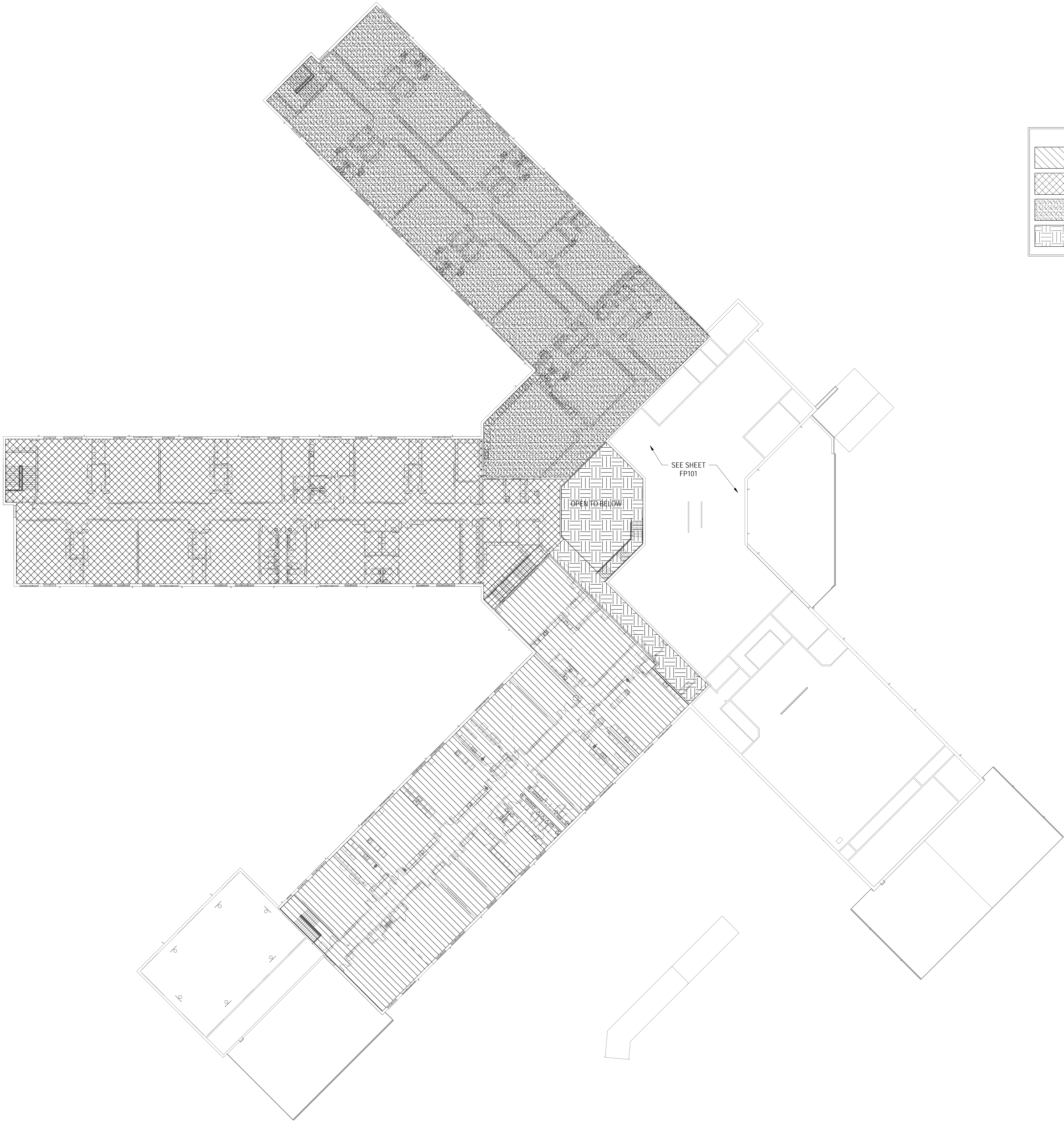
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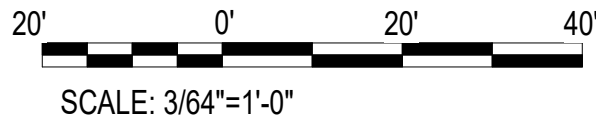
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OVERALL SECOND FLOOR FIRE PROTECTION PLAN

SCALE: 3/64" = 1'-0"



HATCH LEGEND	
	SPRINKLER ZONE 1
	SPRINKLER ZONE 2
	SPRINKLER ZONE 3
	SPRINKLER ZONE 4



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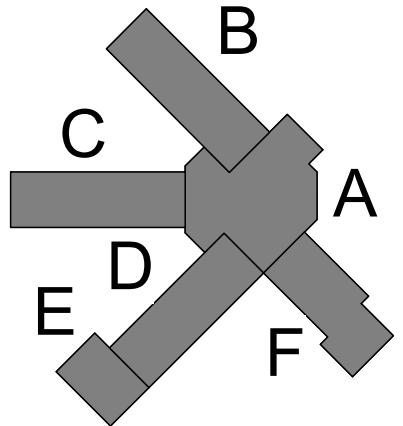
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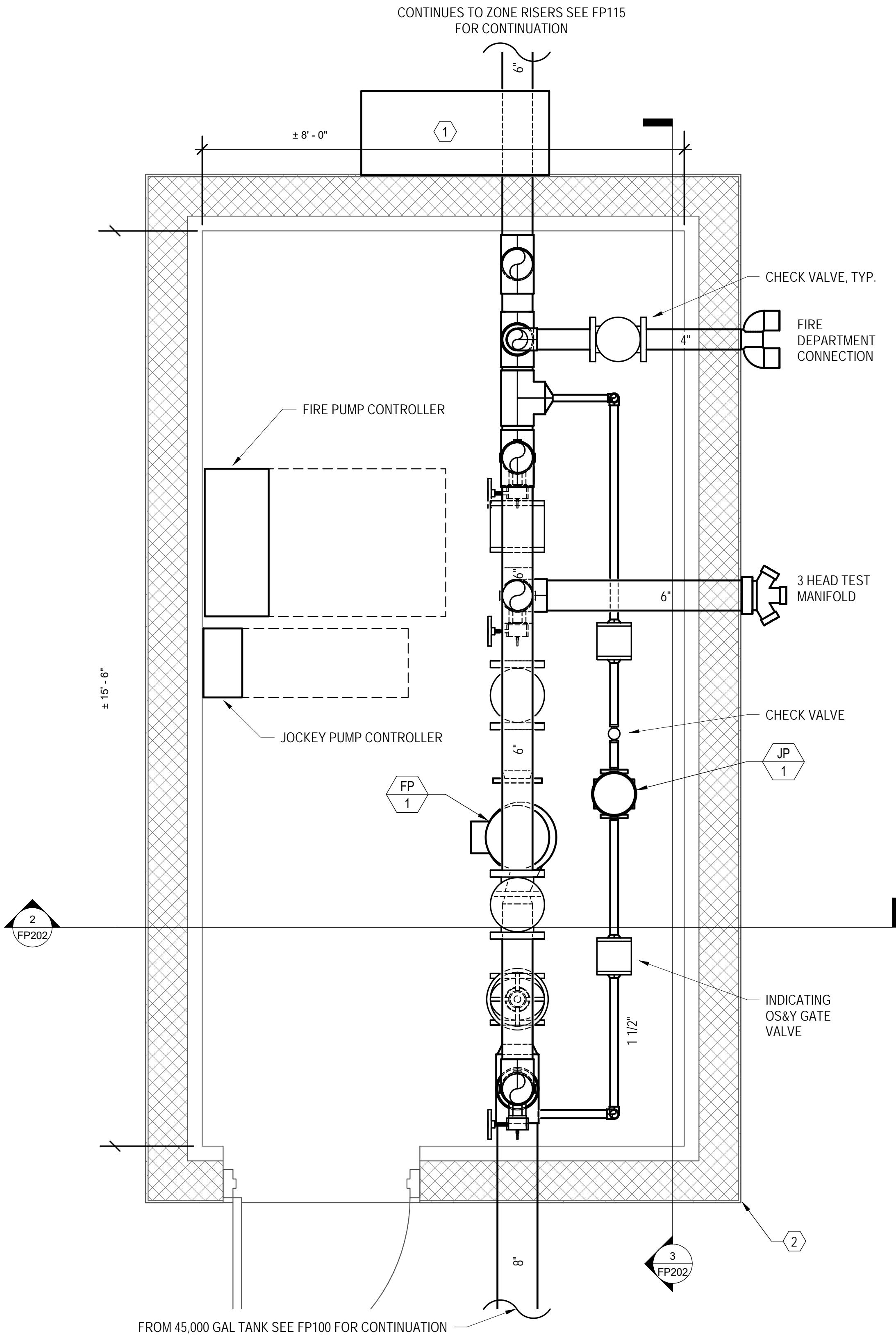


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No.	Description	Date

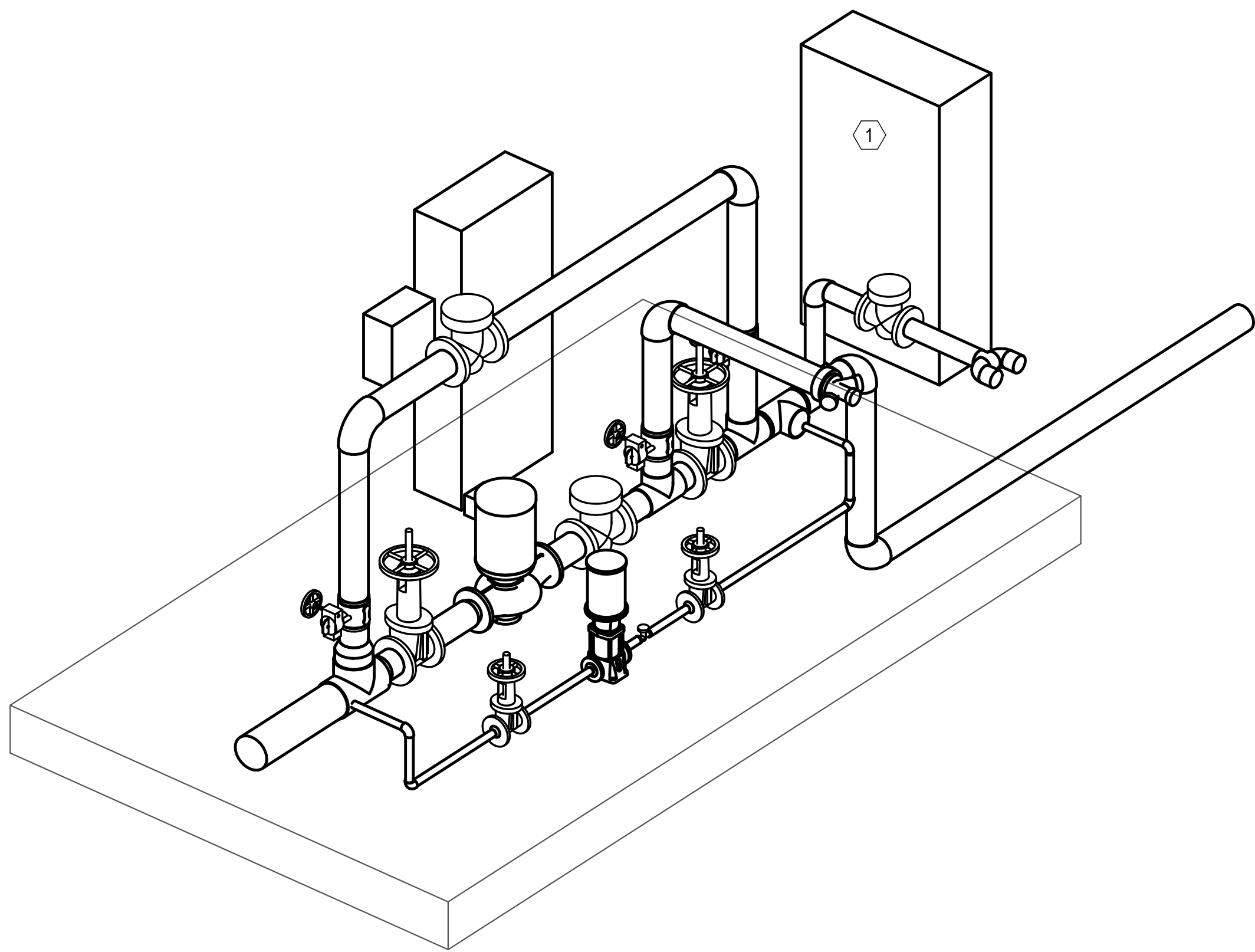
OVERALL SECOND
FLOOR FIRE
PROTECTION
PLAN

Project Number	20001
Dated	JUNE 2, 2020
Drawn By	JML
Approved By	WJJ
PM	WJJ

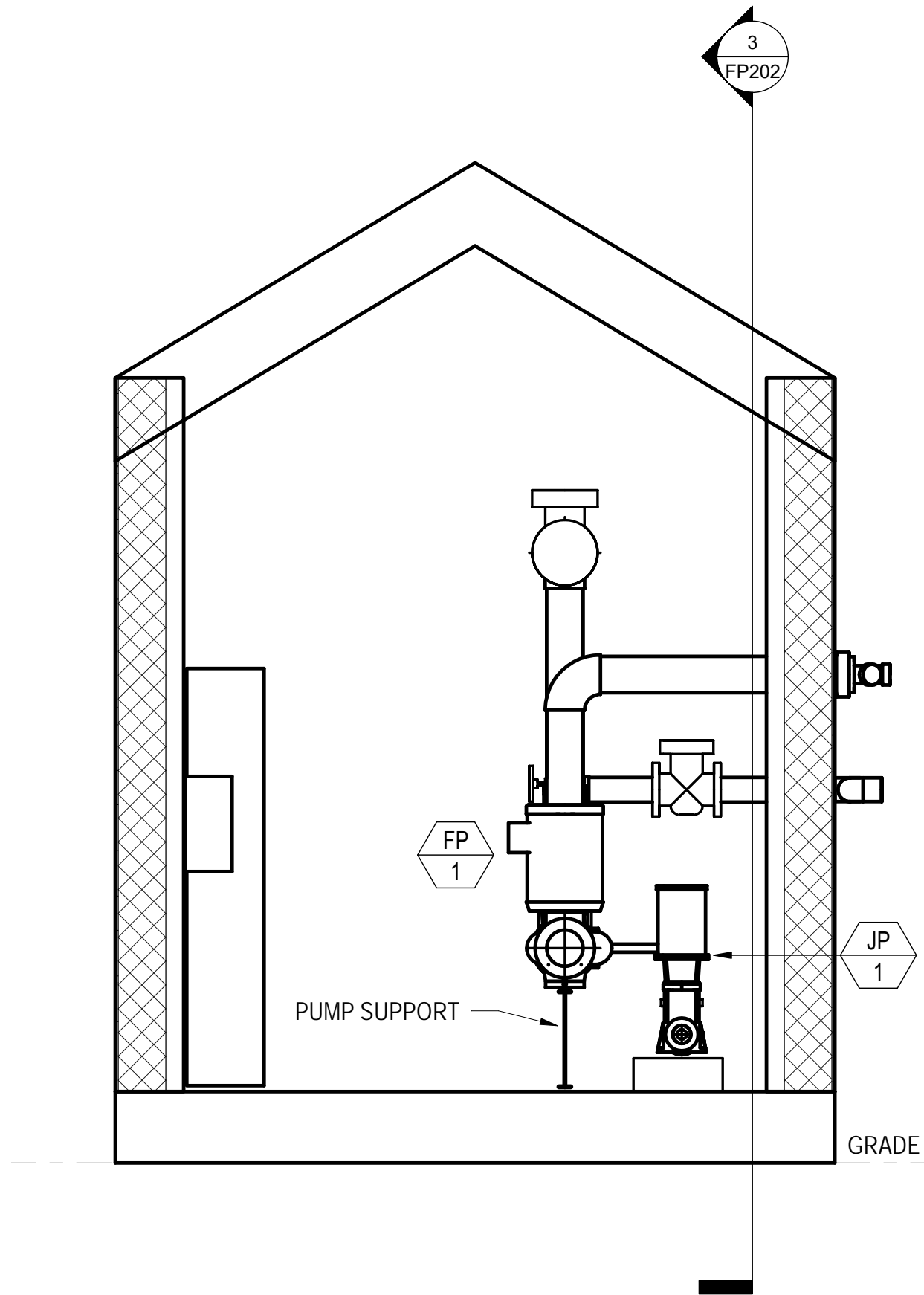
FP102



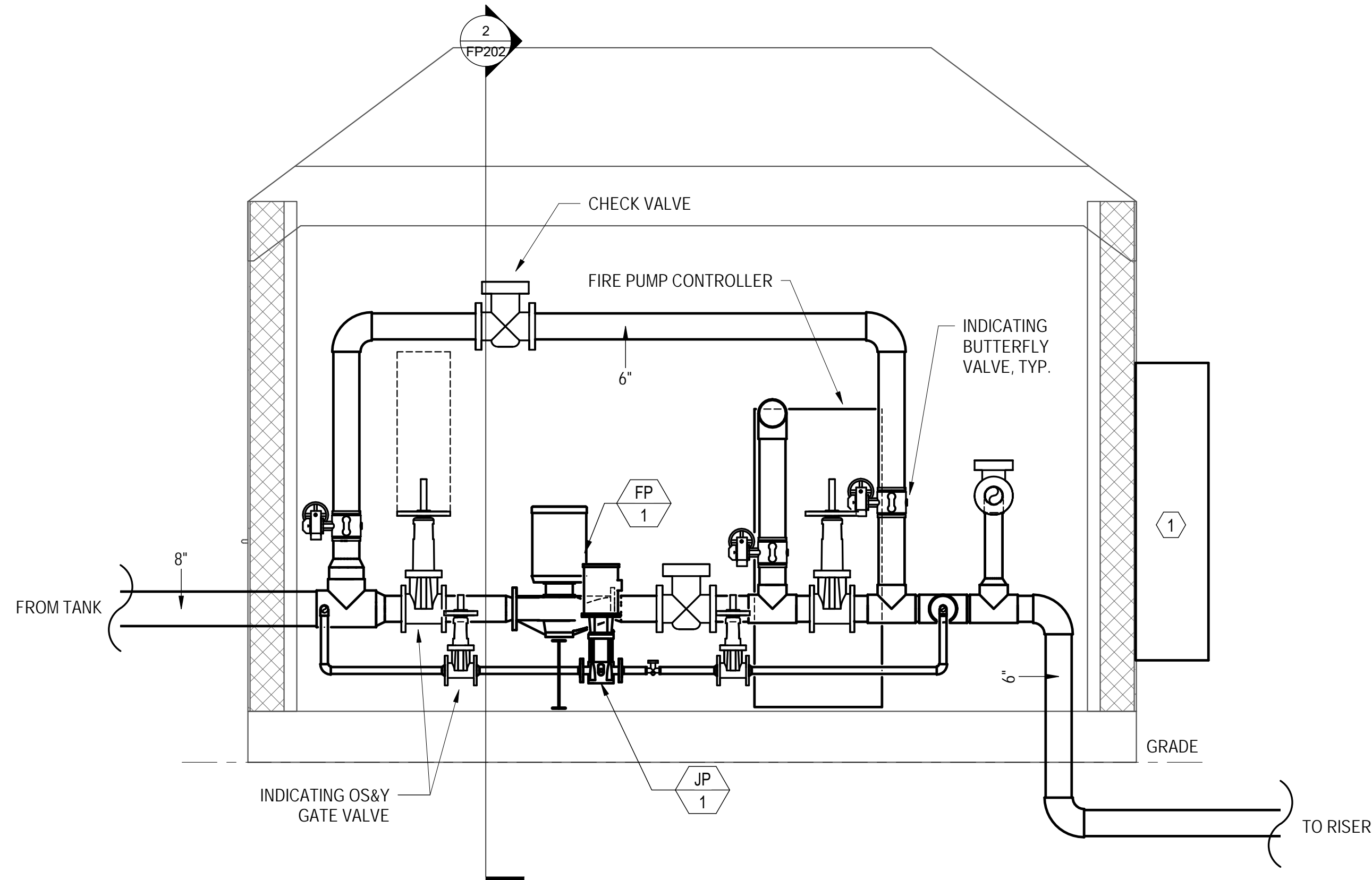
1 ENLARGED PUMP HOUSE
SCALE: 3/4" = 1'-0"



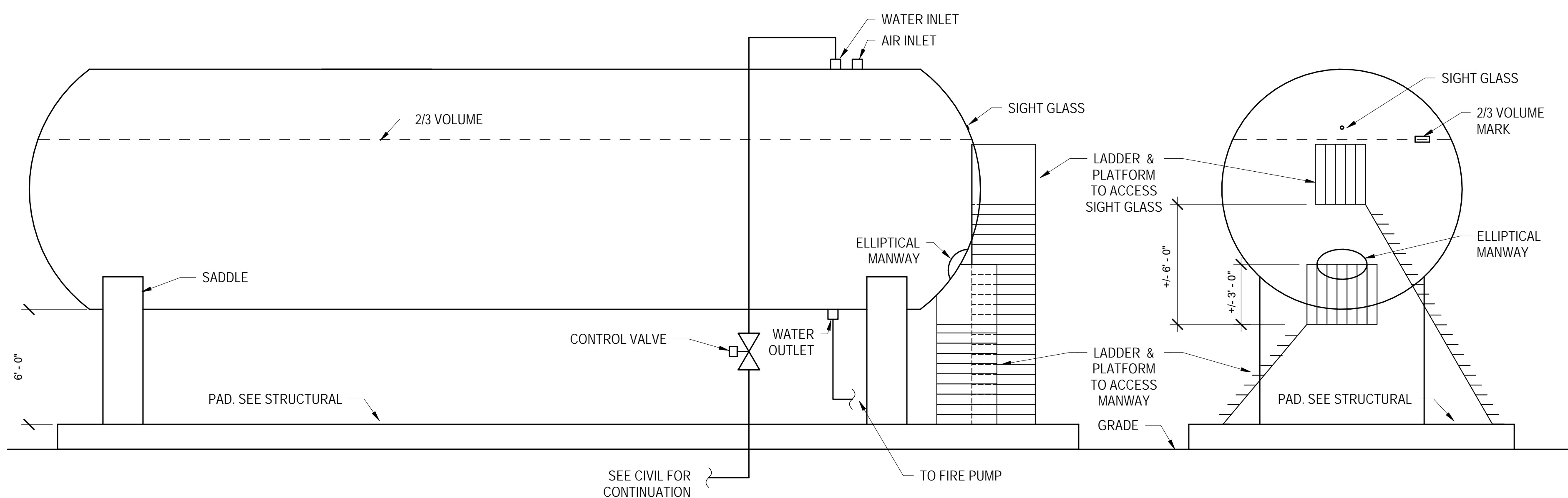
4 FIRE PUMP ISO
NOT TO SCALE



2 FIRE PUMP HOUSE SECTION
SCALE: 1/2" = 1'-0"



3 FIRE PUMP HOUSE SECTION
SCALE: 1/2" = 1'-0"



- NOTES:
1. PROVIDE WITH WATER LEVEL SENSOR, CONTROL PANEL, CONTROL VALVE, ETC. PER SPECIFICATION 21 41 00
 2. SADDLES SHALL BE DESIGNED BY AND PROVIDED BY TANK MANUFACTURER. SECURE TO TANK PER MANUFACTURER'S INSTRUCTIONS.
 3. LADDER AND PLATFORM SHOWN IS DIAGRAMATIC. LADDER AND PLATFORM SHALL BE DESIGNED AND PROVIDED BY TANK MANUFACTURER AS REQUIRED ACCESS TO MANWAY AND SIGHT GLASS. SECURE LADDER AND PLATFORM TO TANK PER MANUFACTURER'S INSTRUCTIONS.

5 FIRE TANK DETAIL
SCALE: 1/4" = 1'-0"

4' 0' 4' 8'
SCALE: 1/4" = 1'-0"

2' 0' 2' 4'
SCALE: 1/2" = 1'-0"

12' 0' 1' 2' 3'
SCALE: 3/4" = 1'-0"

SHEET NOTES

1. WALL MOUNTED PACKAGED AIR CONDITIONING UNIT FOR PUMP HOUSE BUILDING SHALL BE SIZED BY THE PUMP HOUSE MANUFACTURER AND PROVIDED WITH THE PUMP HOUSE. AIR CONDITIONER MAY REQUIRE FIELD INSTALLATION. CONTRACTOR SHALL COORDINATE WITH MANUFACTURER AND INSTALL AS RECOMMENDED BY THE MANUFACTURER.
2. PRE-PACKAGED FIRE PUMP HOUSE. SEE SPECIFICATIONS FOR REQUIREMENTS. ELECTRICAL REQUIREMENTS NOT SHOWN ON THIS PLAN.

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SCHOOL A

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FLORIDA LICENSE NUMBER 000000
SCG project: 2020-104

REVISIONS:		
No.	Description	Date

PUMP HOUSE
DETAIL

Project Number	20001
Dated	JUNE 2, 2020
Drawn By	JML
Approved By	WJJ
PM	WJJ

FP202

4910 CHARISMA STREET, MILTON, FL 32570

 FIRE/SMOKE DAMPER

→ UNDER CUT DOOR 3/4

- 2017 FLORIDA BUILDING CODE.
- 2017 FLORIDA MECHANICAL CODE.
- 2017 FLORIDA PLUMBING CODE.
- 2017 FLORIDA FUEL GAS CODE.
- NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)
- AMERICAN SOCIETY OF HEATING AND REFRIGERATION ENGINEERS (ASHRAE)

DB	DRY BULB TEMPERATURE	O.C.	ON CENTER
DBA	DECIBEL A RATING		
DP	DEW POINT TEMPERATURE	PD	PRESSURE DROP
DPS	DIFFERENTIAL PRESSURE SENSOR	PH	PHASE
DD	DIRECT DRIVE	PPM	PARTS PER MILLION
DDC	DIRECT DIGITAL CONTROL	PV	PRESSURE REDUCING VALVE
DEG. F	DEGREES IN FAHRENHEIT	PT	PRESSURE/TEMPERATURE PORTS
DN	DOWN	PSI	POUNDS PER SQUARE INCH
DWGS	DRAWINGS	PSIG	POUNDS PER SQUARE INCH (GAGE PRESSURE)
DI	DISCRETE INPUT		
DO	DISCRETE OUTPUT	QTY	QUANTITY
DAC	DUCTLESS SPLIT DX AIR CONDITIONING UNIT		
DCU	DUCTLESS SPLIT DX CONDENSING UNIT	RA	RETURN AIR
DPT	DEW POINT TEMPERATURE	RH	RELATIVE HUMIDITY
		RPBFP	REDUCED PRESSURE BACKFLOW PREVENTER
EA	EXHAUST AIR OR EACH	RPM	REVOLUTION PER MINUTE
EAL	EXHAUST AIR LOUVER	RLA	RATED LOAD AMPS
EAR	EXHAUST AIR REGISTER		
EAT	ENTERING AIR TEMPERATURE	SA	SUPPLY AIR
EER	ENERGY EFFICIENCY RATIO	SAR	SUPPLY AIR REGISTER
EF	EXHAUST FAN	SD	SMOKE DETECTOR
EMCS	ENERGY MANAGEMENT AND CONTROL SYSTEM	SEER	SEASONAL ENERGY EFFICIENCY RATIO
ENT	ENTERING	SF	SUPPLY FAN
ERV	ENERGY RECOVERY VENTILATOR	SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS
ESP	EXTERNAL STATIC PRESSURE		NATIONAL ASSOCIATION
ET	EXPANSION TANK	SPT	STATIC PRESSURE TRANSMITTER
EWT	ENTERING WATER TEMPERATURE		
		T'STAT	THERMOSTAT
		TT	TEMPERATURE TRANSMITTER
FD	FLOOR DRAIN OR FIRE DAMPER	TSP	TOTAL STATIC PRESSURE
FLA	FULL LOAD AMPS	TYP.	TYPICAL
FLP	FLOOR PLAN		
FPM	FEET PER MINUTE	UV	ULTRAVIOLET
FT	FEET	UV-C	ULTRAVIOLET TYPE C
FT W.C.	FEET OF WATER COLUMN	U/G	UNDERGROUND

1. ALL PIPING ELEVATIONS INDICATED ON PLANS, ELEVATIONS, SECTION VIEWS ALONG WITH ISOMETRIC DIAGRAM ARE APPROXIMATE. THESE ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL PIPING ELEVATIONS IN THE FIELD PRIOR TO FABRICATION.
2. ALL PIPING LOCATIONS ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL PIPING ELEVATIONS IN THE FIELD PRIOR TO FABRICATION. CONTRACTOR TO FIELD ADJUST PIPING RUNS TO COORDINATE WITH EXISTING STRUCTURAL AND BUILDING SYSTEMS AS NECESSARY.
3. PIPING PENETRATING THROUGH INTERIOR WALLS IS TO BE SLEEVED.
4. PIPING SHOWN ON THESE DRAWINGS IS DIAGRAMMATIC. ARRANGE IN A NEAT AND ORDERLY MANNER.
5. REFER TO SPECIFICATIONS FOR CHILLED WATER, CONDENSED WATER, AND HOT WATER PIPING MATERIALS AND FITTINGS.
6. INSULATE CHILLED WATER PIPING, FITTINGS, VALVES AND ACCESSORIES WITH 2" THICK CELLULAR GLASS INSULATION WITH ALL SERVICE JACKET. SEE SPECIFICATIONS FOR DETAILED REQUIREMENTS. VAPOR BARRIER SHALL OVERLAP EXISTING JACKET WHERE NEW INSULATION ABUTS EXISTING INSULATION.
7. MECHANICAL ROOM PIPING INSULATION INSTALLATION - COVER INSULATION ON ALL CHILLED AND HOT WATER PIPING, FITTINGS, VALVES AND ACCESSORIES WITH ALUMINUM JACKET. JACKET SHALL BE CORRUGATED 016 ON STRAIGHT PIPELINES. FITTING COVERS SHALL BE FACTORY FABRICATED 014 SMOOTH ALUMINUM. CORRUGATIONS SHALL MATCH.
8. PROVIDE AUTOMATIC AIR VENTS AT ALL HIGH POINTS IN PIPING AND ELSEWHERE AS INDICATED. AIR VENT DISCHARGE PIPE SHALL BE SCREWED BRASS PIPING OR HARD COPPER TUBING. INSTALL PIPE STRAIGHT AND SECURE TO NEAREST ADJACENT STRUCTURE.
9. ALL EXPOSED ABOVE CEILING PIPING WITH ALL ITS SUPPORTS SHALL BE PAINTED BLACK. COORDINATE WITH ARCHITECTURAL FOR RCP LAYOUT AND FINAL COLOR REQUIREMENTS.
10. PROVIDE WALL SLEEVE AND ESCUTCHEON PLATES FOR ALL WALL PIPING PENETRATIONS. PROVIDE SCHEDULE 40 STEEL SHEET SLEEVES. PROVIDE A MINIMUM 1" ANNULE SPACE. PROVIDE CONTINUOUS INSULATION THROUGH SLEEVE.
11. ALL PIPING PENETRATIONS (FIRE WALLS, CEILINGS, FLOORS) SHALL BE UL LISTED FIRESTOPS AND SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR SHALL RETAIN MANUFACTURER SHOP DRAWINGS AT JOBSITE FOR ALL PENETRATIONS.
12. PROVIDE PIPE CONNECTIONS AND VIBRATION ISOLATORS FOR INTERNALLY ISOLATED MECHANICAL EQUIPMENTS.
13. COMPLY WITH MSS SP-58 (PIPE HANGERS AND SUPPORTS-MATERIALS, DESIGN, AND MANUFACTURE), MSS SP-59 (PIPE HANGERS AND SUPPORTS-SELECTION AND APPLICATION), MSS SP-89 (PIPE HANGERS AND SUPPORTS-FABRICATION AND INSTALLATION) FOR PIPE HANGER SELECTIONS AND APPLICATIONS.
14. PROVIDE HEAT TRACE AND POWER FOR ALL NEW WEATHER EXPOSED INSULATED CHILLED WATER PIPING AND DOMESTIC WATER PIPING.
15. PROVIDE INSULATION AND ALUMINUM JACKET FOR ALL NEW WEATHER EXPOSED INSULATED HYDRONIC PIPING AND DOMESTIC WATER PIPING.
16. PIPE SUPPORT FOR PIPE DIAMETERS 4" AND LARGER:
 - WHERE PIPES RUN PERPENDICULAR TO JOISTS, ARRANGE PIPE SUPPORTS IN A MANNER THAT GENERALLY DISTRIBUTES THE PIPE LOAD ALONG THE DIAPHRAGM. PROVIDE ONE PIPE HANGER FOR EACH JOIST. PROVIDE JOIST HANGERS FOR EACH JOIST. PROVIDE JOIST SUPPORTS FOR INDIVIDUAL PIPES SUCH THAT THE TOTAL LOAD IS EQUALLY DISTRIBUTED TO ALL JOISTS. THE SUSPENSION POINT SHALL OCCUR AT THE BOTTOM CHORD PANEL POINT OF THE JOISTS OR REINFORCED JOIST AS INDICATED IN THE STRUCTURAL DRAWINGS.
 - WHERE JOISTS ARE PARALLEL TO PIPE RUNS, USE 1x3x1/4 (OR APPROPRIATELY RATED UNISTRUT) SPANNING ACROSS THE BOTTOM OF THREE JOISTS AT A MINIMUM TO SUSPEND PIPES. THE SUSPENSION POINT SHALL OCCUR AT THE BOTTOM CHORD PANEL POINT OF THE JOISTS OR REINFORCED JOIST AS INDICATED IN THE STRUCTURAL DRAWINGS.

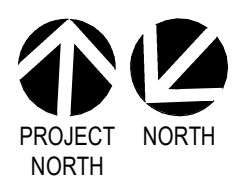
OUTSIDE AIR LOUVER (OAL)
OR
EXHAUST AIR LOUVER (EAL)

VERTICAL BLADE WALL LOUVER SHALL BE FLORIDA PRODUCT APPROVED AND TESTED IN ACCORDANCE WITH AM 540 AND 550 REQUIREMENTS. STATIONARY DRAINABLE BLADE EXTRUDED ALUMINUM LOUVER. PROVIDE WITH CLEAR ANODIZED FINISH AND BIRD SCREEN. PROVIDE WITHOUT PERIMETER FLANGES. LOUVER SIZE AS INDICATED (FACE AREA) WITH A MINIMUM OF 40% FREE AREA. COORDINATE EXACT WALL OPENING WITH STRUCTURAL. COORDINATE LOUVER COLOR WITH ARCHITECT, PROVIDE FULL RANGE OF COLORS. LOUVER EQUAL TO GREENHECK EVH-501D OR EQUIVALENT.

1. THE MECHANICAL CONTRACTOR IS TO ORIGINATE WITH OTHER TRADES FOR REQUIRED OPENINGS IN WALLS, FOUNDATIONS, FLOORS, AND ROOFS.
2. OUTSIDE AIR INLETS TO BE LOCATED A MINIMUM OF 10 FT FROM ANY EXHAUST AIR OUTLET OR PLUMBING VENT STACK. FIELD COORDINATE WITH EXISTING CONDITIONS.
3. THE MECHANICAL CONTRACTOR TO VERIFY MECHANICAL EQUIPMENT LOCATIONS AND BE RESPONSIBLE FOR ALL RELATED CLEARANCES IN THE FIELD. PROVIDE ADEQUATE MAINTENANCE CLEARANCE AROUND EACH PIECE OF EQUIPMENT PER THE MANUFACTURER'S RECOMMENDATIONS. PROVIDE CLEARANCE IN FRONT OF ELECTRICAL PANELS AND OTHER ELECTRICAL EQUIPMENT PER THE NATIONAL ELECTRICAL CODE REQUIREMENTS. COORDINATE WITH THE ELECTRICAL AND GENERAL CONTRACTORS IN THE FIELD.
4. PROVIDE WATER-PROOF SEALING OF PIPE AND DUCT PENETRATIONS OF EXTERIOR WALLS, FLOORS, AND/OR ROOF.
5. THE PIPING SYSTEM IS TO BE FLUSHED UNTIL CLEAN BEFORE EQUIPMENT CONNECTION.
6. THE CONTRACTOR IS TO COORDINATE FLOOR DRAIN LOCATIONS IN MECHANICAL ROOMS WITH ANY EQUIPMENT LOCATED IN THE MECHANICAL ROOM.
7. ALL DUCTWORK AND PIPING PENETRATING THROUGH RATED WALLS TO BE FIRE STOPPED. PENETRATIONS THROUGH FIRE RATED FLOORS AND WALLS ARE TO BE FIRE SEALED SO AS TO MAINTAIN FLOOR OR WALL INTEGRITY IN THE EVENT OF A FIRE. PENETRATIONS OF FIREWALLS, CEILINGS, FLOORS, ETC. FOR PIPING TO BE UL LISTED FIRESTOPS AND SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATION. CONTRACTOR TO OBTAIN MANUFACTURER SHOP DRAWINGS AT JOBSITE FOR PENETRATIONS.
8. VERIFY COLLAR SIZES ON ALL EQUIPMENT INLETS AND OUTLETS. TRANSITION DUCTWORK AS NECESSARY. EXTERNALLY INSULATE ALL TRANSITIONS AT EQUIPMENT CONNECTIONS.
9. INSTALL EQUIPMENT AND DUCTWORK TO MANUFACTURER'S RECOMMENDED CLEARANCES.
10. PROVIDE FLEXIBLE DUCT, PIPE CONNECTIONS, AND VIBRATION ISOLATORS FOR INTERNALLY ISOLATED UNITS.
11. DO NOT MOUNT DISCONNECT SWITCHES ON HVAC EQUIPMENT EXCEPT AS RECOMMENDED BY MANUFACTURER.
12. KEEP MECHANICAL SYSTEMS TIGHT TO STRUCTURE AT ALL TIMES.
13. ALL ROOF PENETRATIONS AND ROOF MOUNTED EQUIPMENT THRU AND/OR LOCATED ON THE SLOPED PORTION OF THE ROOF SHALL BE PAINTED. PAINT TO MATCH ROOF.
14. COORDINATE ALL EXTERIOR BUILDING PENETRATIONS WITH AIR BARRIER REQUIREMENTS.
15. COORDINATE ALL ABOVE CEILING EQUIPMENT LOCATIONS WITH LIGHTS, PIPING, CABLE TRAY, ETC. AVOID MOUNTING ABOVE CEILING EQUIPMENT AND ITS REQUIRED CLEARANCE ABOVE OTHER DISCIPLINE EQUIPMENT, PIPING, ETC.
16. REFER TO SPECIFICATIONS FOR COMMISSIONING REQUIREMENTS.
17. FIELD VERIFY ALL DIMENSIONS, SIZES, AND CONNECTION LOCATIONS BEFORE ANY DUCTWORK FABRICATION OR PIPE CUTTING IS COMMENCED.
18. PROVIDE ANY OFFSETS, TRANSITIONS, AND OTHER MINOR ADJUSTMENTS AS REQUIRED FOR A COMPLETE AND WORKING SYSTEM INSTALLATION.
19. COORDINATE FLOOR DRAIN LOCATIONS IN MECHANICAL ROOMS WITH ANY EQUIPMENT LOCATED IN THE MECHANICAL ROOM. ROUTE CONDENSATE DRAIN PIPING OUT OF WALKWAY PATHS. CONDENSATE DRAIN PIPING SHALL BE COPPER TYPE L WITH A MIN. OF 1" FLEXIBLE ELASTOMERIC CELLULAR INSULATION AND VAPOR BARRIER.
20. HVAC REGISTERS, GRILLES, DIFFUSERS, PIPING, ETC. ARE SHOWN IN APPROXIMATE LOCATIONS. ACTUAL LOCATIONS SHALL BE DETERMINED IN THE FIELD. FULLY COORDINATED AND IN COMPLIANCE WITH CONTRACT DOCUMENTS. IN NO INSTANCE SHALL THE LOCATION VIOLATE STANDARDS, CODES, GOOD HVAC PRINCIPLES, AND THE INTENT OF THE HVAC DESIGN. CONSULT ENGINEER PRIOR TO RELOCATION. MECHANICAL DRAWINGS, IN SOME RESPECTS, ARE DIAGRAMMATIC. COORDINATION, LOCATION OF DUCTS, OR FIELD MEASUREMENTS MAY BE REQUIRED TO CORRECT OR MODIFY. CORRECT OR MODIFY SIZE, ONLY AS DIRECTED BY ENGINEER. ARRANGE ALL DUCTWORK AND PIPING IN A NEAT AND ORDERLY MANNER. COORDINATE WITH OTHER TRADES.
21. CONTRACTOR SHALL NOT CUT ANY STRUCTURAL MEMBERS OF BUILDING WITHOUT PRIOR CONSENT OF ARCHITECT AND STRUCTURAL ENGINEER.
22. DO NOT MOUNT DISCONNECT SWITCHES ON HVAC EQUIPMENT EXCEPT AS RECOMMENDED BY MANUFACTURER.
23. ABOVE CEILING MECHANICAL EQUIPMENT TO BE INSTALLED NO MORE THAN 3'-0" ABOVE SUSPENDED CEILINGS. AVOID INSTALLATION ABOVE LIGHTS AND MAINTAIN ACCESS TO AND CLEARANCE AROUND MECHANICAL EQUIPMENT AS REQUIRED FOR MAINTENANCE OF UNIT AND CONTROLS. IF A MECHANICAL EQUIPMENT MUST BE INSTALLED ABOVE A LIGHT, MAINTAIN MINIMUM 6" CLEAR BETWEEN BOTTOM OF UNIT AND TOP OF LIGHT.
24. PROVIDE SUBMITTAL DRAWINGS FOR INTER-TRADE COORDINATION PURPOSES. SUBMITTALS SHALL INCLUDE PRODUCT DATA (INCLUDING PHYSICAL AND ELECTRICAL CHARACTERISTICS), SHOP DRAWINGS AS REQUIRED TO COORDINATE EQUIPMENT AND SYSTEM INSTALLATIONS.
25. EQUIPMENT OF DIFFERING ELECTRICAL CHARACTERISTICS, PHYSICAL DIMENSIONS, CAPACITIES, AND RATINGS MAY BE FURNISHED PROVIDED SUCH PROPOSED EQUIPMENT IS APPROVED BY THE ENGINEER IN WRITING AND CONNECTING MECHANICAL SERVICES, CIRCUIT BREAKERS, CONDUIT, MOTORS, BASES, EQUIPMENT SPACES, ETC. ARE INCREASED AS NECESSARY. ADDITIONAL COSTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR PROVIDING THE DIFFERING EQUIPMENT.
26. PROVIDE ALL EQUIPMENT, VALVES, ETC. WITH MARKERS AS SPECIFIED FOR IDENTIFICATION PURPOSES. SEE SPECIFICATION.
27. PROVIDE GENERAL WARRANTY FOR WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL COMPLETION. CONTRACTOR SHALL PROVIDE A SPECIAL WARRANTY FOR A PERIOD OF FIVE YEARS FROM DATE OF FINAL COMPLETION ON ALL COMPRESSORS AND COILS. SEE SPECIFICATIONS.
28. ENGAGE A FACTORY AUTHORIZED SERVICE REPRESENTATIVE TO PERFORM START-UP SERVICES AND TO TRAIN OWNER'S MAINTENANCE PERSONNEL TO ADJUST, OPERATE AND MAINTAIN EQUIPMENT. SEE SPECIFICATION.
29. PROVIDE OPERATION AND MAINTENANCE MANUALS TO OWNER FOR ALL INSTALLED EQUIPMENT. SEE SPECIFICATION.
30. THERMOSTATS SHALL BE GENERALLY LOCATED AS SHOWN. THE EXACT LOCATION SHALL BE FIELD COORDINATED TO AVOID INTERFERENCE WITH WALL MOUNTED WORK AND/OR FURNITURE. PROVIDE THERMOSTAT'S LOCKABLE COVER WITH USER OVERRIDE ACCESS.
31. SEE CONTROLS AND FIRE ALARM DRAWINGS FOR DUCT SMOKE DETECTORS AND OTHER EQUIPMENT RELATED TO THE BUILDING FIRE ALARM SYSTEM.

1. ALL DUCTWORK CONSTRUCTION, DUCT HANGERS, AND SUPPORTS SHALL COMPLY WITH SMACNA'S HVAC DUCT CONSTRUCTION STANDARDS-METAL AND FLEXIBLE* FOR METAL THICKNESS, REINFORCING TYPES AND INTERVALS, TIE-ROD APPLICATIONS, AND JOINT TYPES AND INTERVALS. SUPPORT HORIZONTAL DUCTS WITHIN 24" OF EACH ELBOW AND WITHIN 48" OF EACH BRANCH. SEE DUCT HANGER DETAILS.
2. ALL DUCT ELBOWS SHALL BE LONG RADIUS TYPE OR, WHERE INDICATED, SQUARE ELBOW WITH TURNING VANES. PROVIDE TURNING VANES IN ALL SQUARE ELBOWS IN TRUNK DUCTWORK AND DIFFUSER CONNECTIONS.
3. PROVIDE DUCTWORK DUCT CONNECTORS AT ALL HVAC EQUIPMENT CONNECTIONS COMPLYING WITH UL-181, NFPA 90A, AND NFPA 90B.
4. ALL ROUND FLEXIBLE DUCT TO BE FACTORY PRE-INSULATED. MAXIMUM LENGTH OF ANY FLEXIBLE DUCT RUNOUT TO BE 4'. WHERE LENGTH REQUIRED EXCEEDS 4', INSTALL EXTERNALLY INSULATED ROUND SNAPLOCK DUCT FOR BALANCE OF DISTANCE TO SPIN-IN TAP AT MAIN DUCT TRUNK OR AS REQUIRED BY SCHEDULED EXTERNAL STATIC PRESSURE (WHICHEVER IS GREATER).
5. PROVIDE SPIN-IN FITTINGS WITH EXTENDED SPIN-IN DAMPER OPERATOR HANDLE FOR ALL DIFFUSER RUNOUTS.
6. SUPPLY AIR DUCTWORK UPSTREAM OF AIR TERMINAL TO BE DOUBLE WALLED ROUND OR FLAT Oval; SMACNA STATIC PRESSURE CLASS 3" W.G., SEAL CLASS A, DUCT SIZES INDICATED ARE INSIDE CLEAR DIMENSIONS. PROVIDE THE FIRST 26 FT OR AS INDICATED WITH PERFORATED INNER LINER 6" FIBERGLASS ATTENUATION.
7. UNLESS NOTED OTHERWISE, ALL SUPPLY AIR DUCTWORK DOWNSTREAM OF AIR TERMINAL UNITS (EXCEPT TAKEOFFS TO SUPPLY AIR DIFFUSERS) TO BE SINGLE WALLED RECTANGULAR, SMACNA STATIC PRESSURE CLASS 2" W.G., SEAL CLASS A, EXTERNALLY INSULATED WITH 2" THICK FIBERGLASS DUCT WRAFF. DUCT SIZES INDICATED ARE INSIDE CLEAR DIMENSIONS.
8. RETURN AIR DUCTWORK TO BE SINGLE WALLED RECTANGULAR, SMACNA STATIC PRESSURE CLASS 2" W.G., SEAL CLASS A, EXTERNALLY INSULATED WITH 2" THICK FIBERGLASS WRAFF. DUCT SIZES INDICATED ARE INSIDE CLEAR DIMENSIONS. PROVIDE THE FIRST 26 FT OR AS INDICATED WITH ACOUSTICAL DUCT INNER LINER FOR SOUND ATTENUATION.
9. OUTSIDE INTAKE DUCTWORK TO BE SINGLE WALLED RECTANGULAR, SMACNA STATIC PRESSURE CLASS 2" W.G., SEAL CLASS A, EXTERNALLY INSULATED WITH 2" THICK FIBERGLASS WRAFF. DUCT SIZES INDICATED ARE INSIDE CLEAR DIMENSIONS.
10. EXHAUST AIR INTAKE DUCTWORK TO BE SINGLE WALLED RECTANGULAR, SMACNA STATIC PRESSURE CLASS 2" W.G., SEAL CLASS A, DUCT SIZES INDICATED ARE INSIDE CLEAR DIMENSIONS.
11. TRANSFER DUCTS TO BE INTERNALLY INSULATED WITH 1" THICK ACOUSTICAL DUCT LINER. DUCT SIZES INDICATED ARE INSIDE CLEAR DIMENSIONS.
12. AVOID ROUTING DUCTWORK OVER LIGHTS WHEREVER POSSIBLE. MAINTAIN MINIMUM 6" CLEARANCE BETWEEN DUCT INSULATION TO TOP OF LIGHTS.
13. PROVIDE FLEXIBLE DUCT, PIPE CONNECTIONS, AND VIBRATION ISOLATORS FOR INTERNALLY INSULATED DUCTS AND PIPES.
14. ALL EXPOSED LOW PRESSURE RETURN AIR AND OUTSIDE AIR DUCTWORK AT THE MECHANICAL ROOM SHALL BE INSULATED WITH 2" RIGID INSULATION AND SHALL BE PAINTED. COLOR SHALL BE COORDINATED WITH ARCHITECTURAL.
15. ALL EXPOSED DUCTWORK, WITH ALL ITS SUPPORTS SHALL BE PAINTED. COORDINATE WITH ARCHITECTURAL FOR RCP LAYOUT AND FINAL COLOR REQUIREMENTS.

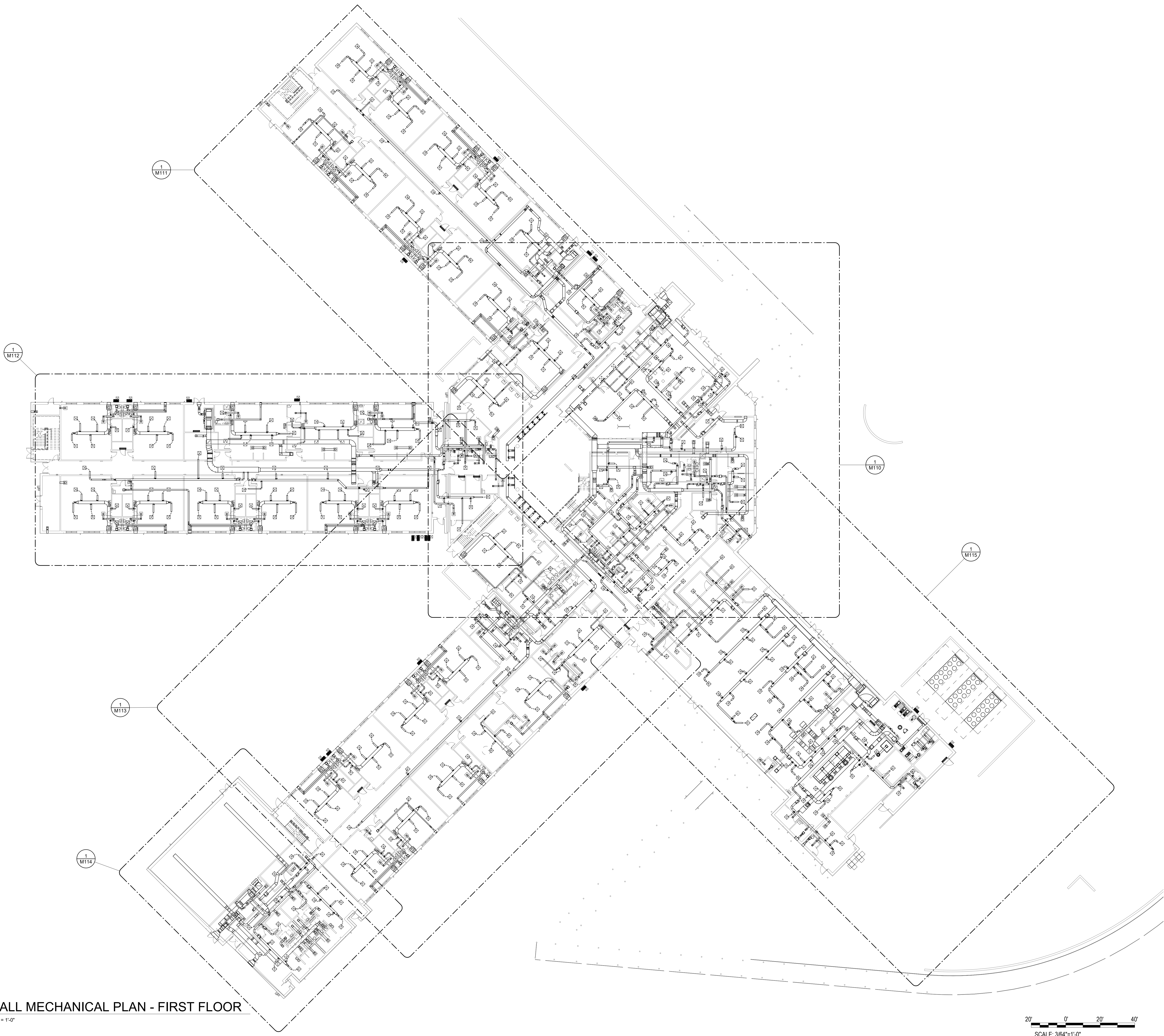
Project Number	20001
Dated	JUNE 2, 2020
Drawn By	CAP
Approved By	WJJ
PM	WJJ



1

OVERALL MECHANICAL PLAN - FIRST FLOOR

SCALE: 3/16" = 1'-0"



20' 0' 20' 40'
SCALE: 3/16" = 1'-0"

DAG

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PHASE III
DOCUMENTS

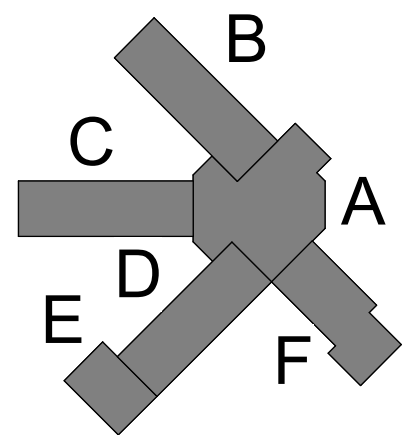
NOT FOR
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SANTA ROSA COUNTY SCHOOL DISTRICT
SCHOOL A

4910 CHARISMA STREET, MILTON, FL 32570



SCHMIDT
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WILLIAM JOSEPH JONES P.E.
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SCG project: 2020-104

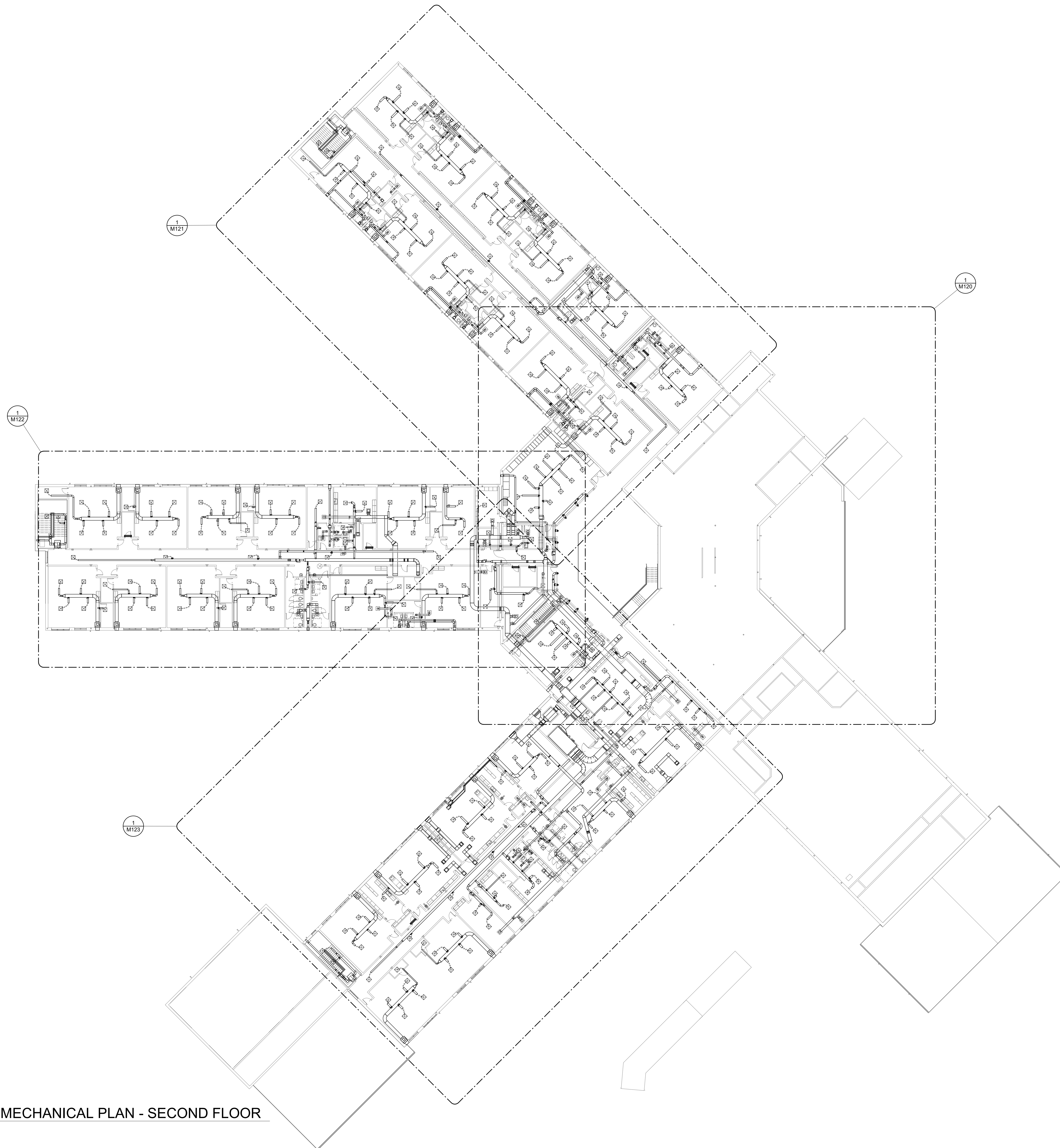
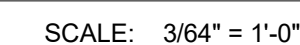


REVISIONS:		
No.	Description	Date

OVERALL
MECHANICAL
PLAN-FIRST
FLOOR

Project Number	20001
Dated	JUNE 2, 2020
Drawn By	CAP
Approved By	WJJ
PM	WJJ

M101



20' 0' 20' 4'

SCALE: 3/64"=1'-0"

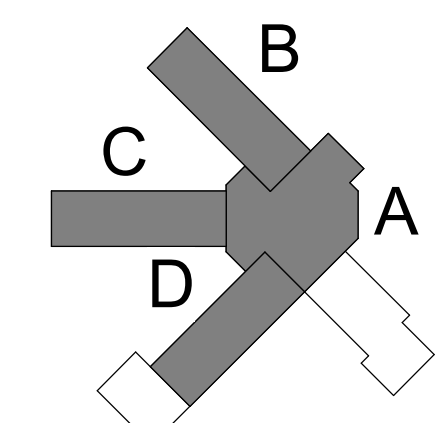
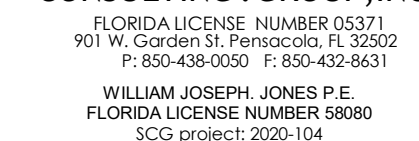


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DOCUMENTS

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SANTA ROSA COUNTY SCHOOL DISTRICT
SCHOOL A

4910 CHARISMA STREET, MILTON, FL 32570



REVISIONS:

[illegible]

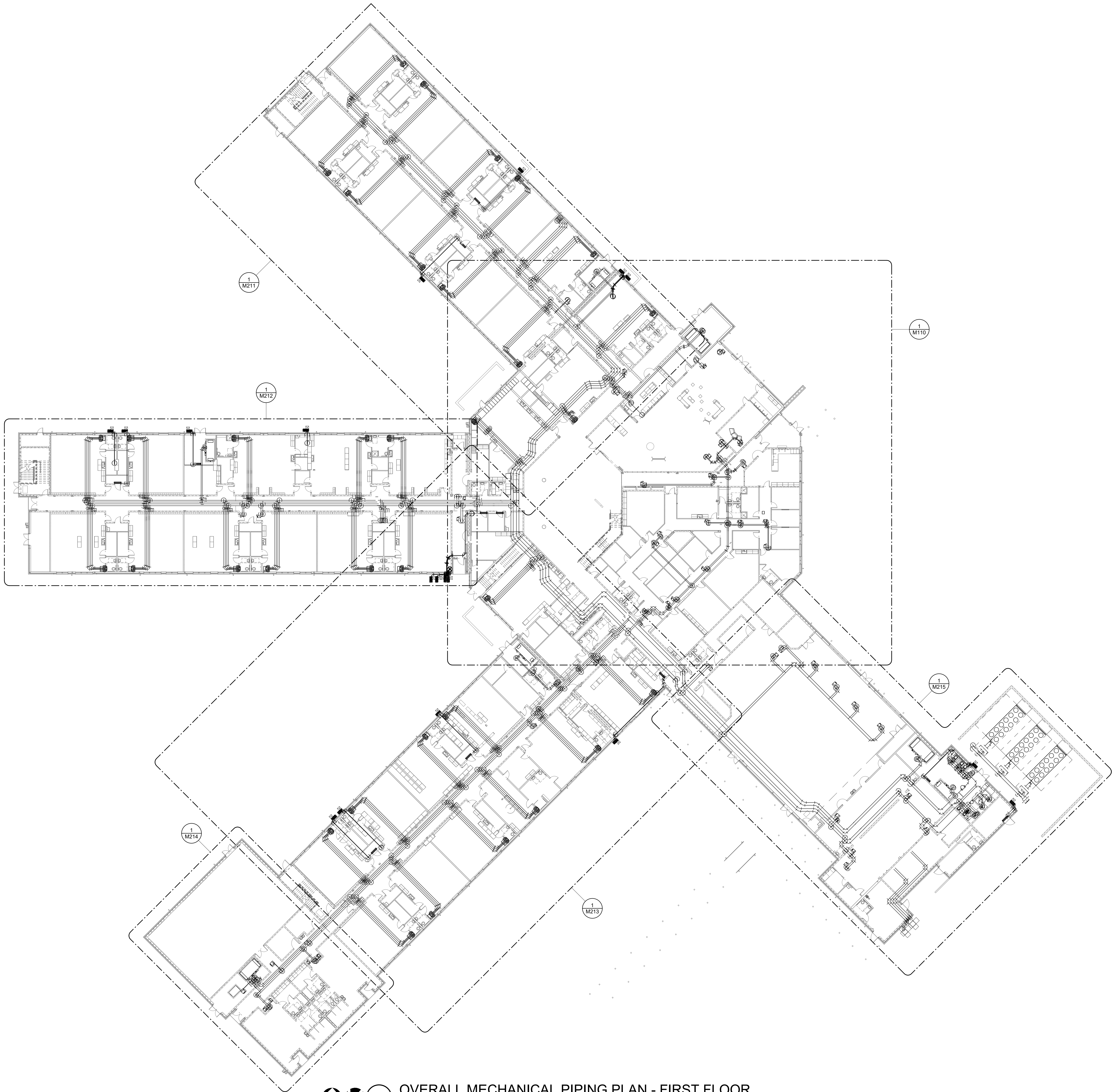
OVERALL
MECHANICAL
PLAN- SECOND
FLOOR

Project Number	20001
Dated	JUNE 2, 2020
Drawn By	CAP
Approved By	WJJ
PM	WJJ

M102

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20001
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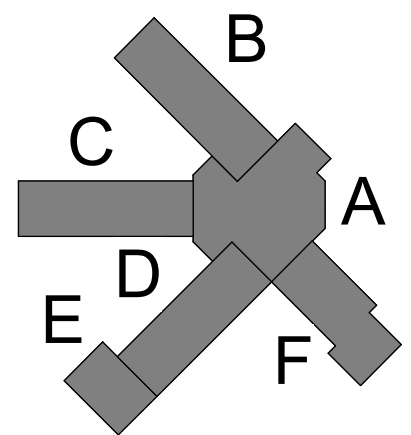
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SCG project: 2020-104



REVISIONS:		
No.	Description	Date

OVERALL
MECHANICAL
PIPING PLAN-
FIRST FLOOR

Project Number	20001
Dated	JUNE 2, 2020
Drawn By	CAP
Approved By	WJJ
PM	WJJ

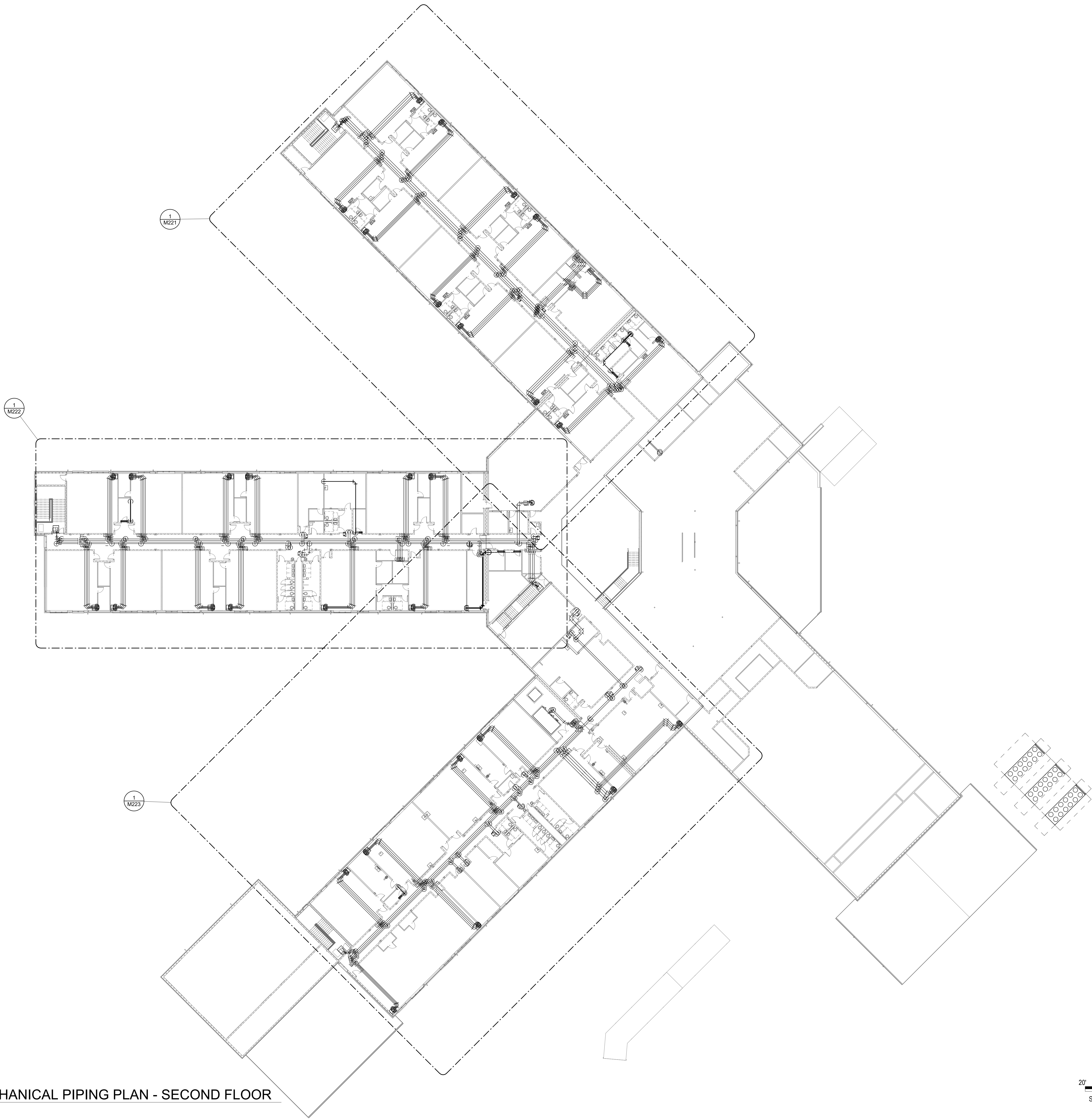
M201



1

OVERALL MECHANICAL PIPING PLAN - SECOND FLOOR

SCALE: 3/64" = 1'-0"



20' 0' 20' 40'
SCALE: 3/64"=1'-0"

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PHASE III
DOCUMENTS

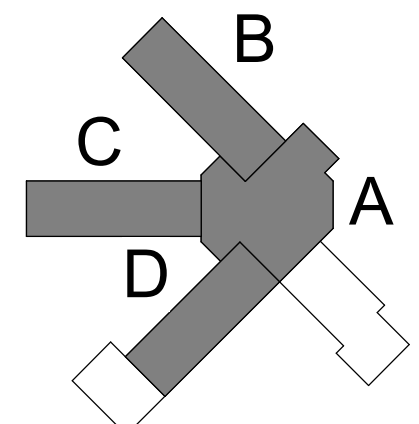
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SANTA ROSA COUNTY SCHOOL DISTRICT
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SCD project: 2020-104



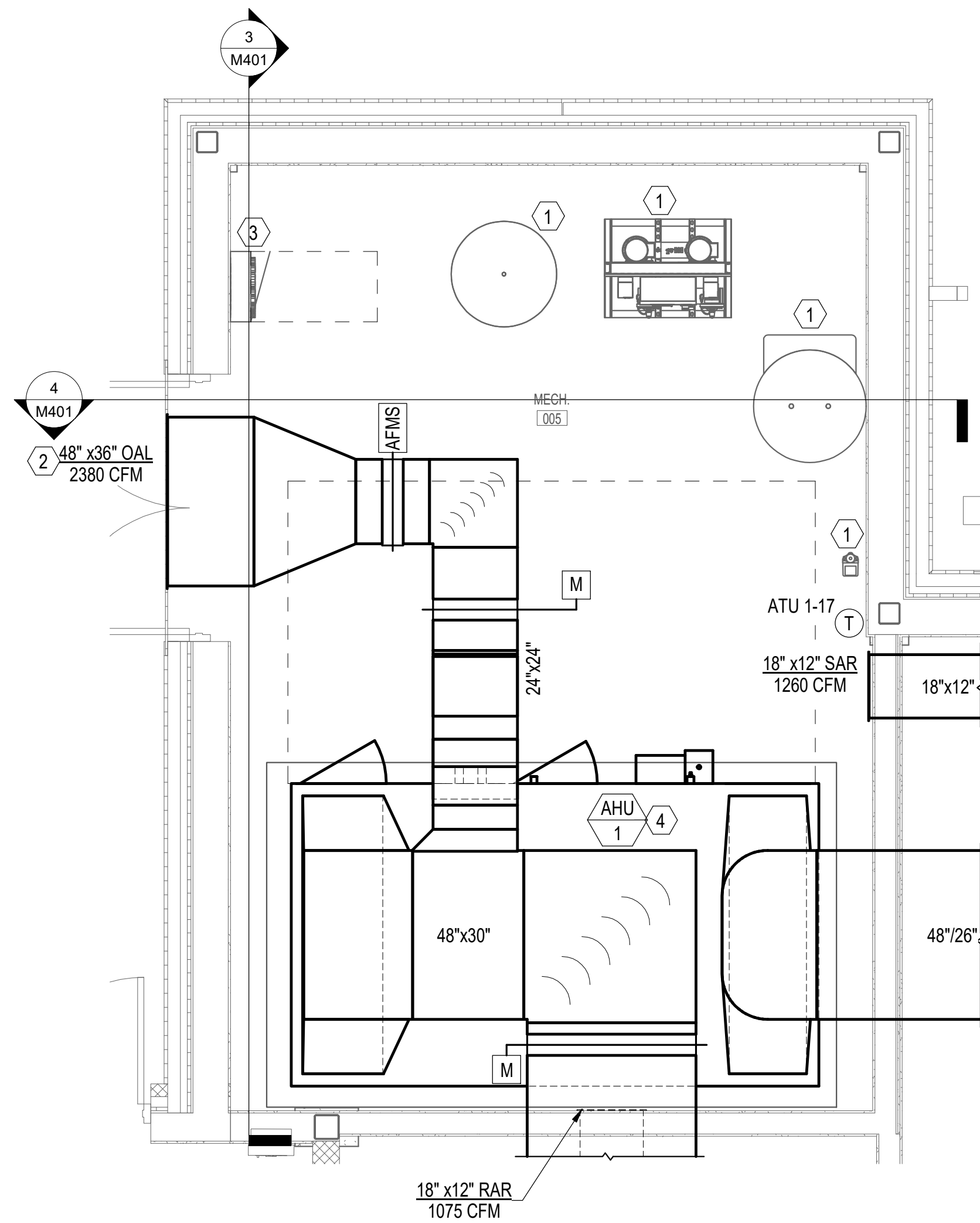
REVISIONS:

No.	Description	Date

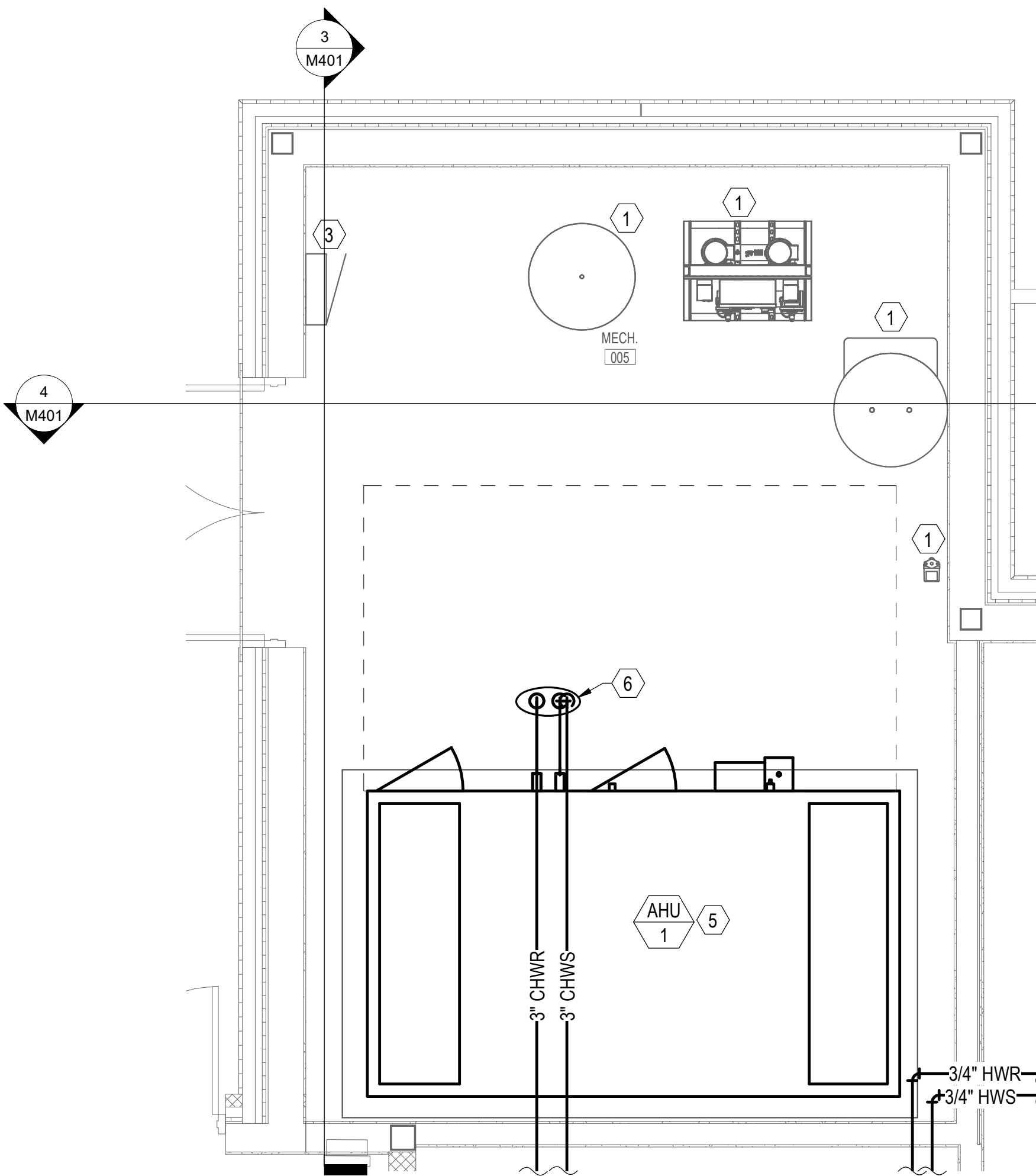
OVERALL
MECHANICAL
PIPING PLAN-
SECOND FLOOR

Project Number	20001
Dated	JUNE 2, 2020
Drawn By	CAP
Approved By	WJJ
PM	WJJ

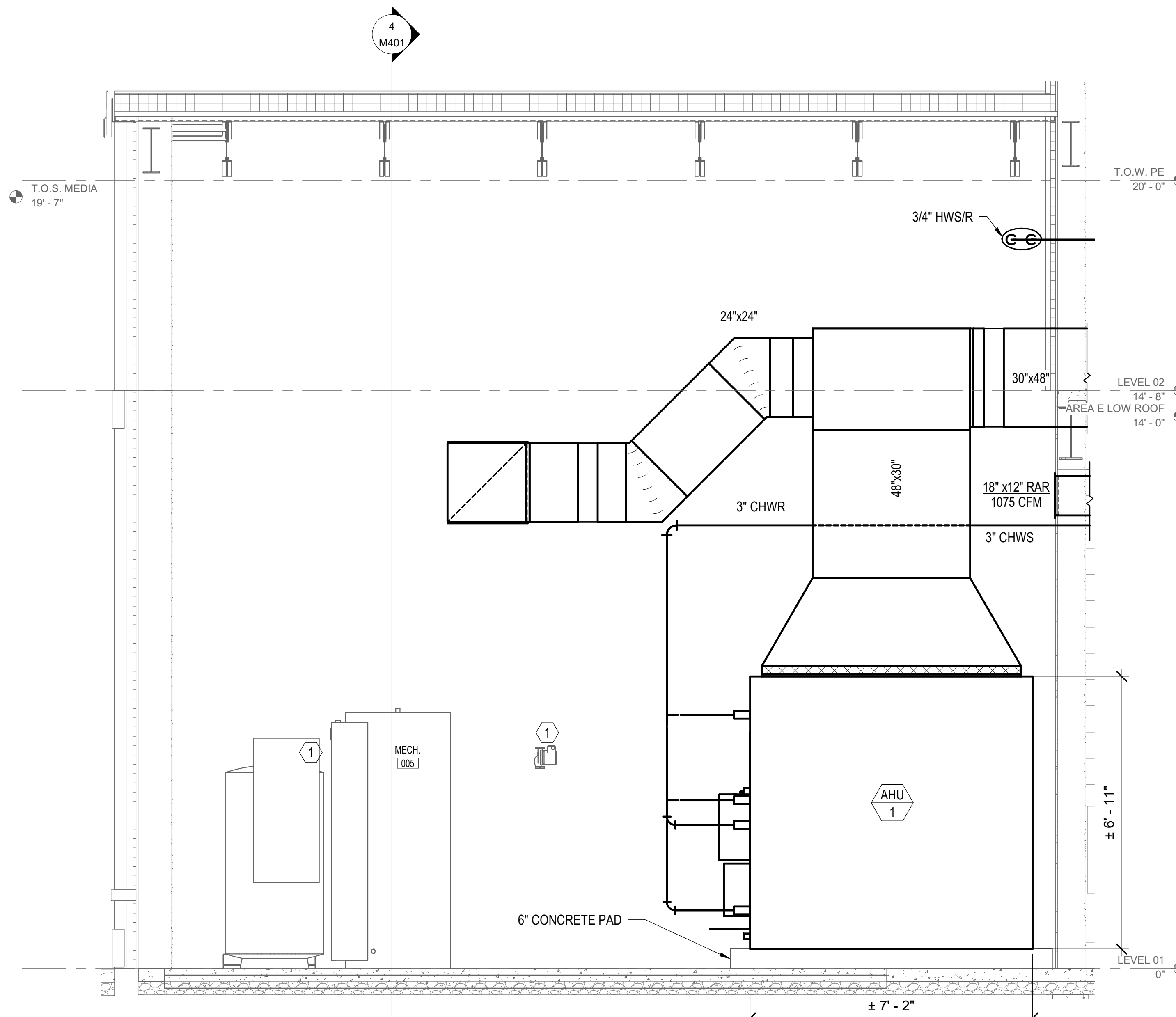
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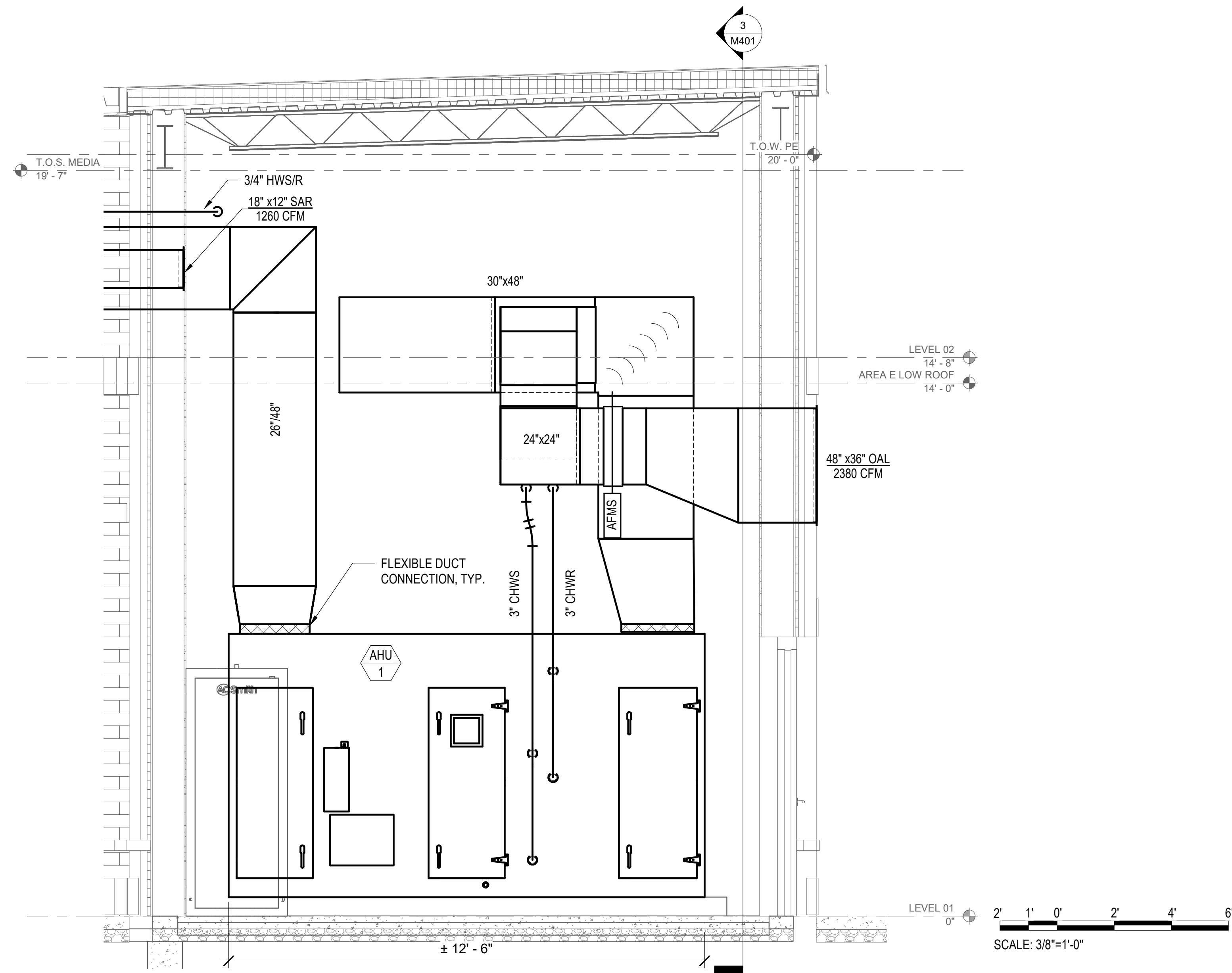
1 ENLARGED MECH. RM. 005 (AHU-1) PLAN
SCALE: 3/8" = 1'-0"



2 ENLARGED MECH. RM. 005 (AHU-1) PIPING PLAN
SCALE: 3/8" = 1'-0"



3 MECHANICAL ROOM 005 SECTION 1
SCALE: 1/2" = 1'-0"



4 MECHANICAL ROOM 005 SECTION 2
SCALE: 1/2" = 1'-0"

SHEET NOTES

- 1 PLUMBING EQUIPMENT SHOWN FOR COORDINATION.
- 2 MOUNT LOUVER WITH BOTTOM AT $\pm 10'-4"$ A.F.F.
- 3 ELECTRICAL EQUIPMENT SHOWN FOR COORDINATION ONLY.
- 4 MOUN UNIT ON 6" CONCRETE PA.
- 5 ROUTE CONDENSATE TO FLOOR DRAIN (FD) SEE PLUMBING FOR FD LOCATION.
- 6 REFER TO DETAIL 7 ON SHEET M504 FOR COIL CONNECTION.

GENERAL NOTES

1. REFER TO CONTROLS DRAWINGS AND SPECIFICATIONS FOR ALL REQUIRED DUCT MOUNTED DEVICES. (I.E. SMOKE DETECTORS, CARBON DIOXIDE SENSORS, ETC.)

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PHASE III
DOCUMENTS

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SANTA ROSA COUNTY SCHOOL DISTRICT
SCHOOL A

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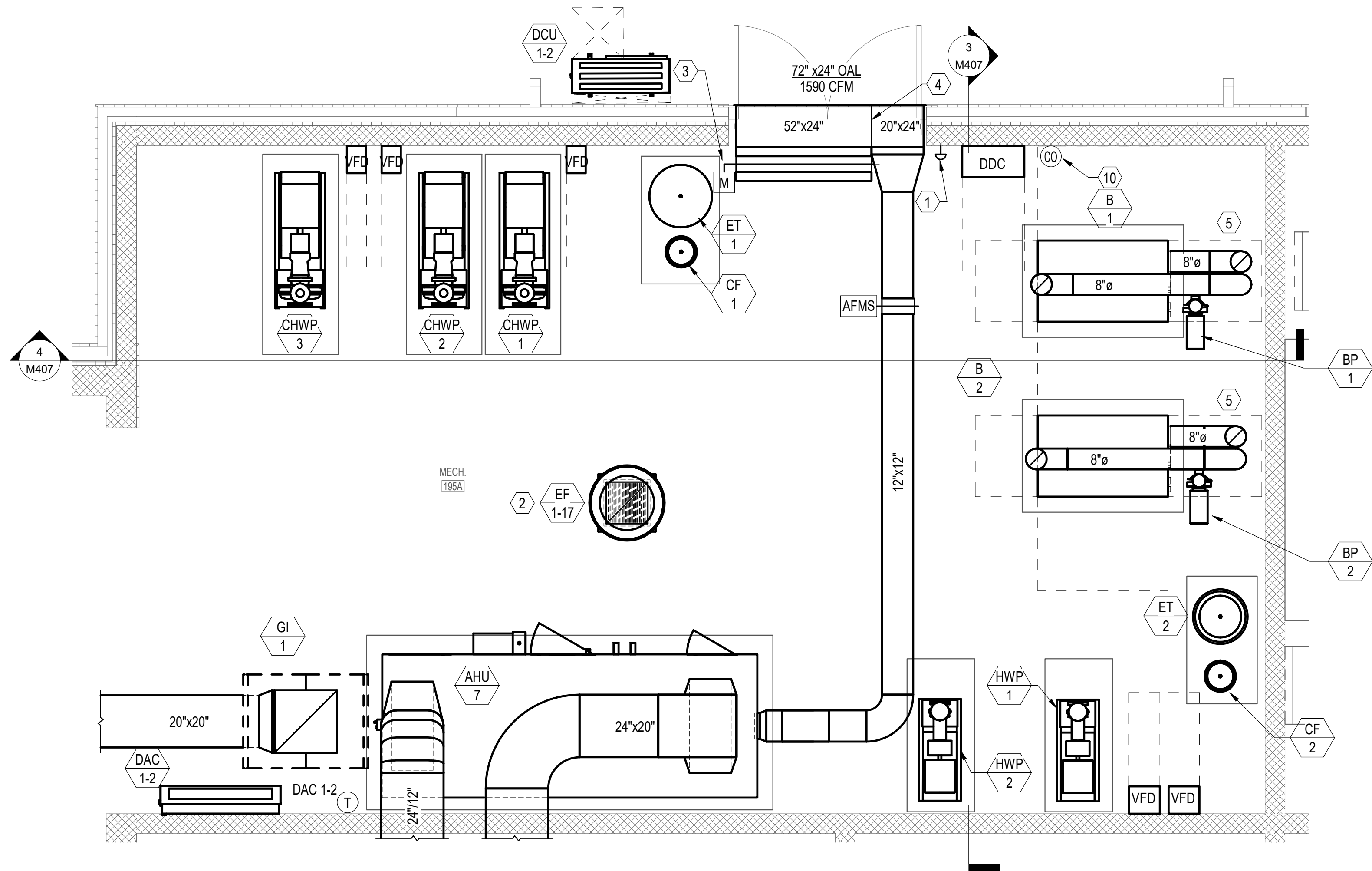
REVISIONS:

No.	Description	Date

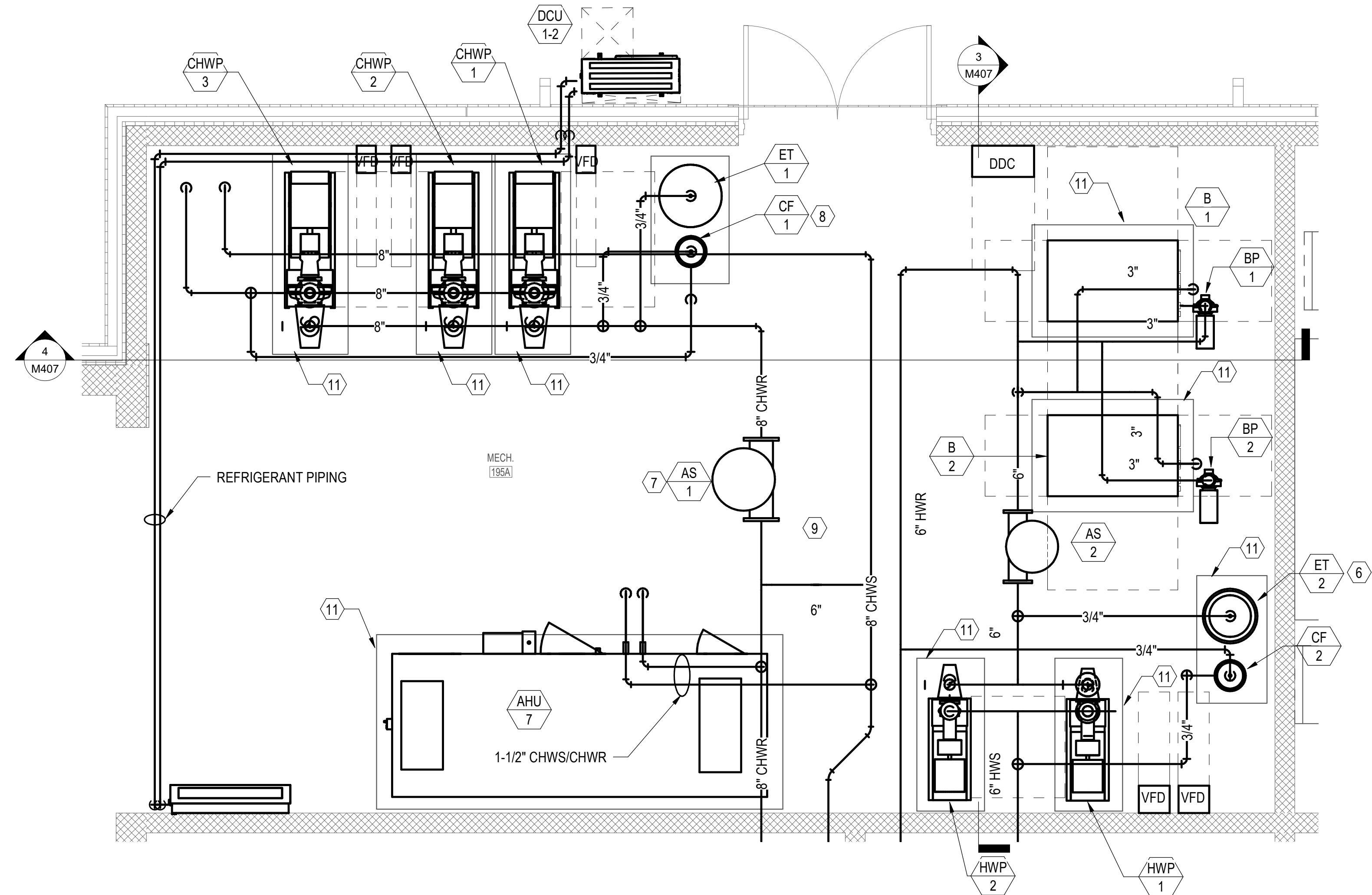
ENLARGED
MECHANICAL
ROOM PLANS

Project Number	20001
Dated	JUNE 2, 2020
Drawn By	CAP
Approved By	WJJ
PM	WJJ

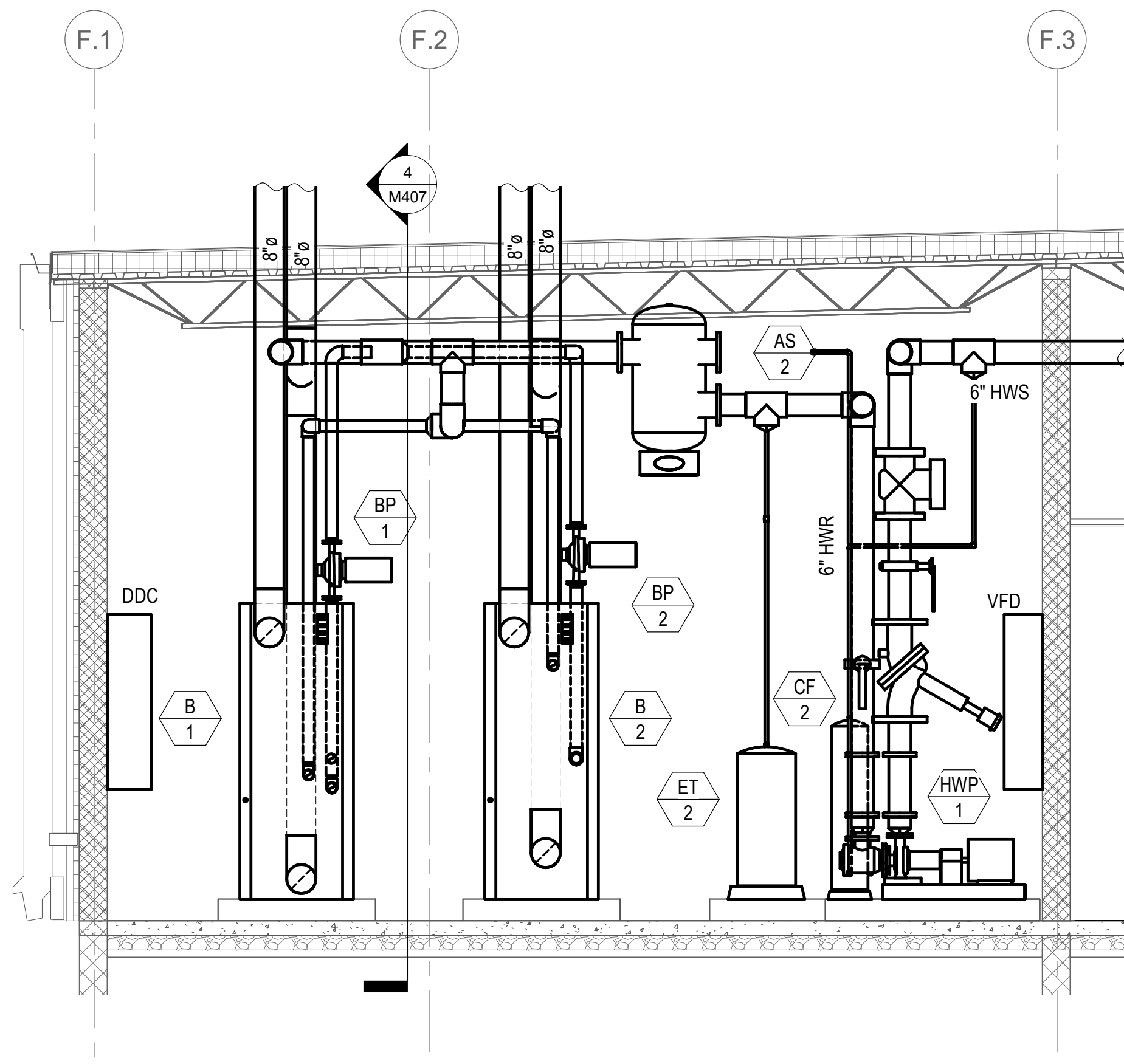
M401



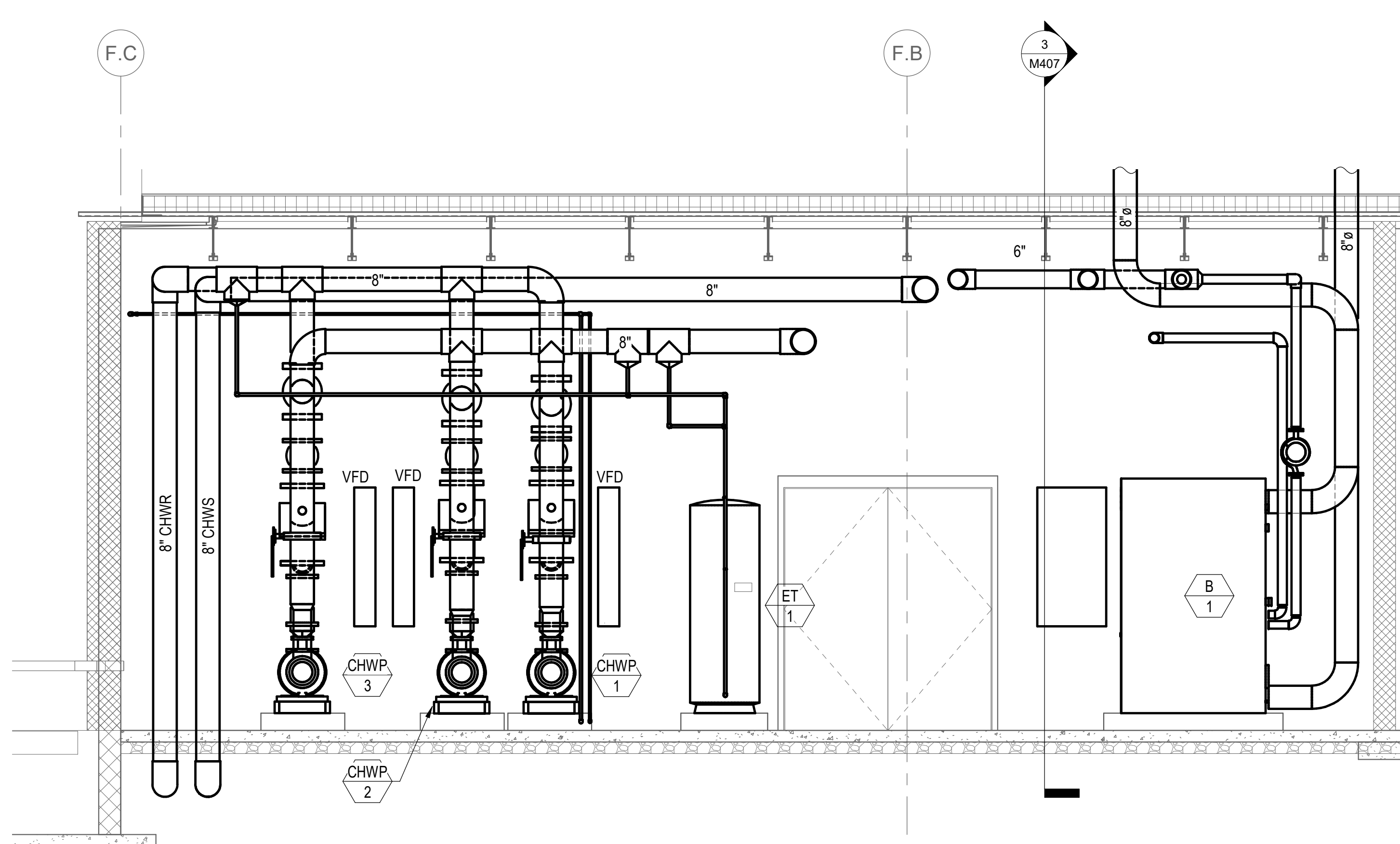
1 ENLARGED MECH. RM. 195A (KITCHEN)
SCALE: 3/8" = 1'-0"



2 ENLARGED MECH. RM. 195A (KITCHEN) PIPING PLAN
SCALE: 3/8" = 1'-0"



3 MECH. RM. 195A SECTION
SCALE: 3/8" = 1'-0"



4 MECH. RM. 195A SECTION
SCALE: 3/8" = 1'-0"

GENERAL NOTE

1. REFER TO PLUMBING DRAWINGS FOR GAS PIPING ROUTING.
2. REFER TO CONTROLS DRAWINGS AND SPECIFICATIONS FOR ALL REQUIRED DUCT MOUNTED DEVICES. (I.E. SMOKE DETECTORS, CARBON DIOXIDE SENSORS, ETC.)

SHEET NOTES

1. EMERGENCY GAS SHUTDOWN PUSHBUTTON (MUSHROOM TYPE) FOR GAS SOLENOID VALVE. REFER TO PLUMBING FOR VALVE LOCATION. PROVIDE GAS SOLENOID VALVE WITH ELECTRIC ACTUATOR BATTERY BACKUP.
2. EF 1-17 TO BE CONTROLLED BY CARBON MONOXIDE DETECTION SYSTEM (SEE NOTES ON SHEET M605).
3. MOTORIZED DAMPER INTERLOCKED WITH EF 1-17.
4. BUILD TWO SEPARATE PLENUMS OFF OF LOUVER AS SHOWN.
5. ROUTE 8" FLUE AND 8" COMBUSTION OUT THROUGH ROOF. SEE DETAIL 8 ON SHEET M501.
6. REFER TO DETAIL 7 ON SHEET M55 FOR EXPANSION TANK. (TYPICAL).
7. REFER TO DETAIL 8 ON M505 FOR AIR SEPARATOR. (TYPICAL).
8. REFER TO DETAIL 4 ON M505 FOR CHEMICAL FEEDER. (TYPICAL).
9. CHILLED WATER BYPASS VALVE. SEE SEQUENCE OF OPERATIONS ON M605.
10. CARBON MONOXIDE DETECTION SYSTEM.
11. 6" CONCRETE PAD.

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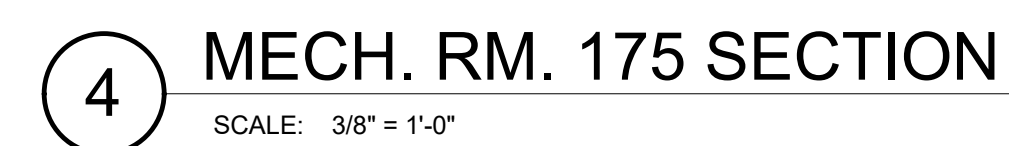
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REVISIONS:		
No.	Description	Date

ENLARGED MECHANICAL ROOM PLANS

Project Number	20001
Dated	JUNE 2, 2020
Drawn By	CAP
Approved By	WJJ
PM	WJJ

M407



- 1 MOUNT UNIT ON 6" CONCRETE PAD.
- 2 ROUTE CONDENSATE TO FLOOR DRAIN. REFER TO PLUMBING FOR DRAIN LOCATIONS.
- 3 ERV-2 IS STATIC CORE TYPE, NO CHW/HW PIPING REQUIRED.
- 4 PLUMBING SHOWN FOR COORDINATION.
- 5 ELECTRICAL SHOWN FOR COORDINATION.

1. REFER TO CONTROLS DRAWINGS AND SPECIFICATIONS FOR ALL REQUIRED DUCT MOUNTED DEVICES. (I.E. SMOKE DETECTORS, CARBON DIOXIDE SENSORS, ETC.)

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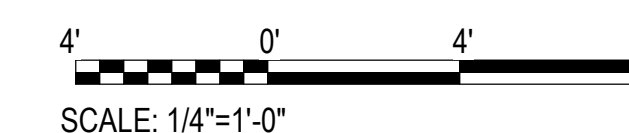
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FLORIDA LICENSE NUMBER 58080
SCG project: 2020-104

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ENLARGED
MECHANICAL
ROOM PLANS

Project Number	20001
Dated	JUNE 2, 2020
Drawn By	CAP
Approved By	WJJ
PM	WJJ

M408



ELECTRICAL LEGEND

GENERAL ELECTRICAL DEVICES:

- § SINGLE POLE LIGHTING SWITCH. MOUNT 48" AFF UNLESS NOTED OTHERWISE. SUBSCRIPT INDICATES AS FOLLOWS:
- P - DUAL TECHNOLOGY WALL SWITCH OCCUPANCY SENSOR UTILIZING PIR/MICROPHONICS DUAL TECHNOLOGY DETECTION EQUAL TO SENSORSWITCH WXS PDT.
 - PD - DUAL TECHNOLOGY WALL SWITCH OCCUPANCY SENSOR UTILIZING PIR/MICROPHONICS DUAL TECHNOLOGY DETECTION WITH DIMMING EQUAL TO SENSORSWITCH WXS PDT D.
- M - MANUAL MOTOR STARTER. MOUNT 80" AFF. PROVIDE PHENOLIC LABEL.
- 3 - THREE-WAY LIGHTING SWITCH.
- D - 0-10V DIMMING SWITCH. EQUAL TO SENSORSWITCH sPODM-SA-D
- 3L - THREE-WAY LOW VOLTAGE LIGHTING SWITCH. EQUAL TO SENSORSWITCH nSPODM-SA-3X
- 3D - THREE-WAY, 0-10V DIMMING SWITCH. EQUAL TO SENSORSWITCH sPODM-SA-3X-D
- LV1 - nLIGHT nPOD SWITCH EQUAL TO nLIGHT nPODM.
- LV2 - nLIGHT 2 ZONES BOTH UP/DOWN ON/OFF EQUAL TO nPODM-2P-DX.
- LV3 - nLIGHT 4 ZONES ALL UP/DOWN EQUAL TO nPODM-4P-DX.
- LV4 - nLIGHT 4 SCENE EQUAL TO nLIGHT nPODM-4S-EDUTW. PROVIDE WITH FACTORY ENGRAVED BUTTONS THAT READ GENERAL, READING, TESTING, ENERGY.
- ⊕ TAMPER RESISTANT DUPLEX RECEPTACLE NEMA 5-15R (NEMA 5-20R FOR DEDICATED CIRCUITS). MOUNT 18" AFF UNLESS NOTED OTHERWISE. VERIFY DUPLEX MOUNTING REQUIREMENTS WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN. SUBSCRIPT INDICATES AS FOLLOWS:
- G - GROUND FAULT CIRCUIT INTERRUPTER TYPE
 - WP - DIECAST WEATHERPROOF IN USE COVERPLATE WITH GROUND FAULT CIRCUIT INTERRUPTER. WATER RESISTANT IN EXTERIOR LOCATIONS MOUNT 30" AFF.
 - D - COORDINATE RECEPTACLE LOCATION WITH DATA OUTLET.
 - TV - COORDINATE RECEPTACLE LOCATION WITH TV OUTLET. MOUNT AT 72" AFF U.N.O.
 - C - RECEPTACLE CONTROLLED BY TIME SCHEDULE. RECEPTACLE SHALL BE GREY IN COLOR AND MARKED WITH THE WORD "CONTROLLED" AND SYMBOL PER NEC 2014 EDITION 408.3(E) CONTROLLED RECEPTACLE MARKING. GROUP CONTROLLED OUTLETS TOGETHER, CONDUCTOR SERVING FIRST OUTLET IN GROUP SHALL BE ROUTED THROUGH CONTRACTOR WITH TIME SCHEDULE SERVING THE WING IT IS LOCATED IN.
 - EWC - CONCEAL RECEPTACLE BEHIND EWC. PROVIDE CIRCUIT WITH GFCI BREAKER. (COORDINATE WITH DIVISION 22)
 - CLG - CEILING MOUNTED RECEPTACLE. PROVIDE RECEPTACLE WITH 8'-0" WHIP TO ALLOW FOR LOCATION FLEXIBILITY.
 - DDC - PROVIDE NEMA 5-15R DUPLEX RECEPTACLE FOR CONNECTION TO MECHANICAL DDC SYSTEM PANEL. COORDINATE EXACT LOCATION WITH CONTROLS CONTRACTOR PRIOR TO ROUGH-IN.
- ⊕ TAMPER RESISTANT DUPLEX RECEPTACLE MOUNTED 7" ABOVE COUNTER. VERIFY COUNTER HEIGHT PRIOR TO ROUGH-IN. ORIENT WITH LONG AXIS HORIZONTAL ABOVE COUNTERS.
- ⊕ TAMPER RESISTANT QUADRUPLEX RECEPTACLE (TWO NEMA 5-15R) MOUNTED 18" AFF. UNLESS NOTED OTHERWISE.
- D - COORDINATE RECEPTACLE LOCATION WITH DATA OUTLET.

LIGHTING CONTROL EQUIPMENT:

- ☉ nLIGHT PHOTOELECTRIC CELL. SEE LIGHTING CONTROL DIAGRAM AND CONNECT AS REQUIRED.
- PSR LIGHTING CONTROL SYSTEM 20A RELAY POWER PACK EQUAL TO SENSORSWITCH PP-20
- RPP nLIGHT LIGHTING CONTROL SYSTEM 16A RELAY POWER PACK EQUAL TO nLIGHT nPP-16
- RPD nLIGHT LIGHTING CONTROL SYSTEM 16A RELAY POWER PACK WITH 0-10V DIMMING OUTPUT EQUAL TO nLIGHT nPP-16-D.
- DT LOW VOLTAGE CEILING MOUNTED 360° DUAL TECHNOLOGY SENSOR UTILIZING PIR/MICROPHONICS DUAL TECHNOLOGY DETECTION EQUAL TO SENSORSWITCH CM-PDT-9
- DT LOW VOLTAGE CORNER MOUNTED DUAL TECHNOLOGY SENSOR UTILIZING PIR/MICROPHONICS DUAL TECHNOLOGY DETECTION EQUAL TO SENSORSWITCH WV-PDT-16
- NDT nLIGHT CEILING MOUNTED 360° DUAL TECHNOLOGY SENSOR UTILIZING PIR/MICROPHONICS DUAL TECHNOLOGY DETECTION EQUAL TO nCM PDT 9 RJB.
- NDT nLIGHT CORNER MOUNTED DUAL TECHNOLOGY SENSOR UTILIZING PIR/MICROPHONICS DUAL TECHNOLOGY DETECTION EQUAL TO nWV PDT 16
- BRC nLIGHT BRIDGE
- GWY nLIGHT GATEWAY WITH BACNET CONTROL MODULE
- nRL ARP INTENC08 NLT 8SPR MVOLT SM

OTHER:

- CIRCUIT RUN CONCEALED ABOVE CEILING OR IN WALL.
- - - CIRCUIT RUN CONCEALED IN OR BELOW FLOOR SLAB OR UNDERGROUND.
- HOMERUN TO PANELBOARD ANY CIRCUIT WITHOUT FURTHER DESIGNATION 2#12, 1#12 GRD, 1/2"C, 3#12,1#12 GRD, 1/2"C, ETC., PER NEC. MINIMUM SIZE ON HOMERUNS GREATER THAN 100 FEET SHALL BE #10AWG.
- EMERGENCY CIRCUIT RUN ABOVE CEILING OR IN WALL.
- ATU 1 MECHANICAL EQUIPMENT IDENTIFICATION TAG. SEE MECHANICAL EQUIPMENT ELECTRICAL SCHEDULE.
- FSA LIGHT FIXTURE IDENTIFICATION TAG. SEE LIGHT FIXTURE SCHEDULE FOR SYMBOLS & DETAILS.
- 1 KEYNOTE TAG.
- LEADER.

LOW VOLTAGE SYSTEM (ROUGH IN ONLY):

- ACS ACCESS CONTROL SYSTEM CONTROL PANEL ROUGH IN LOCATION.
- CR ACCESS CONTROL SYSTEM CARD READER ROUGH-IN.
- IDS INTRUSION DETECTION SYSTEM PANEL ROUGH-IN LOCATION. ROUTE CONDUITS FROM ANCILLARY DEVICES TO SERVING IDS PANEL LOCATION.
- ACCESS CONTROL SYSTEM FIXED CAMERA ROUGH-IN. PROVIDE 2-GANG JUNCTION BOX AT HEIGHT NOTED WITH 3/4" CONDUIT TO SERVING CABLE TRAY.
- Two (2) GANG JUNCTION BOX WITH SINGLE GANG RING. 1" CONDUIT BACK TO NEAREST CABLE TRAY. MOUNT AT 18" UNO.
TV - MOUNT RECEPT. AT 72" AFF U.N.O. PROVIDE 1-1/2" CONDUIT BACK TO NEAREST CABLE TRAY. REFER TO DETAIL 7/E602 FOR ADDITIONAL REQUIREMENTS.
- WIRE MESH CABLE TRAY. 12"Wx4"D UNLESS OTHERWISE NOTED. MOUNT AT 9'-10" UNLESS OTHERWISE NOTED.
- CEILING-MOUNTED DATA OUTLET. PROVIDE 2-GANG JUNCTION BOX WITH 1" CONDUIT IN CEILING TO SERVING CABLE TRAY.
- FLOOR BOX. REFER TO DETAIL 2/E605. FLOOR BOX SHALL PROVIDED, CABLING PROVIDED OUTSIDE OF CONTRACT.
- CEILING-MOUNTED INTERCOM SPEAKER, ROUGH-IN. PROVIDE 3/4" CONDUIT TO SERVING CABLE TRAY.
- WALL-MOUNTED INTERCOM SPEAKER, ROUGH-IN. PROVIDE 3/4" CONDUIT AT 10' AFF TO SERVING CABLE TRAY.
- INTERCOM STATION, ROUGH-IN. PROVIDE 3/4" CONDUIT AT 48" AFF TO SERVING CABLE TRAY.
- INTERCOM MASTER STATION ROUGH-IN LOCATION.
- INTERCOM CONTROL PANEL MOUNTING LOCATION.
- AREA OF REFUGE CALL BOX AND BASE STATION. AREA OF REFUGE CONTRACTOR SHALL PROVIDE ALL REQUIRED SIGNAGE AND HARDWARE FOR COMPLETE SYSTEM.

DISTRIBUTION & POWER EQUIPMENT:

- PANELBOARD. MOUNT AS INDICATED. SEE PANELBOARD SCHEDULES.
- ENCLOSED CIRCUIT BREAKER
- NON-FUSED HEAVY DUTY SAFETY SWITCH. SIZE FOR LOAD BEING SERVED.
- SQUARE D C08 SERIES POWER RELAY OR EQUAL. PROVIDE WITH NEMA 1 ENCLOSURE. MOUNT ADJACENT TO EQUIPMENT SERVED.
- MISCELLANEOUS EQUIPMENT:
- MOTOR FURNISHED BY OTHERS.
- JUNCTION BOX.
- UNLESS INDICATED OTHERWISE PROVIDE GROUNDING BUSBAR WITH #6AWG IN CONDUIT FROM BUSBAR TO MAIN ELECTRICAL GROUND AT MAIN PANEL. MOUNT BUSBAR 12" AFF. REFER TO DETAIL 2/E603 FOR ADDITIONAL TELECOMMUNICATIONS GROUNDING REQUIREMENTS.

LIGHTING FIXTURES:

- RECESSED 2X4 LED LIGHTING FIXTURE.
- EMERGENCY RECESSED 2X4 LED LIGHTING FIXTURE. PROVIDE WITH GTD.
- RECESSED 2X2 LED LIGHTING FIXTURE.
- EMERGENCY RECESSED 2X2 LED LIGHTING FIXTURE. PROVIDE WITH GTD.
- SUSPENDED DIRECT/INDIRECT LED LIGHTING FIXTURE.
- EMERGENCY LENSED INDUSTRIAL STRIP LIGHT FIXTURE. PROVIDE WITH GTD.
- RECESSED LED DOWNLIGHT FIXTURE
- EMERGENCY RECESSED LED DOWNLIGHT FIXTURE. PROVIDE WITH GTD.
- CEILING MOUNTED LED EXIT SIGN.
- WALL MOUNTED LED EXIT SIGN.
- LED WALL MOUNTED LIGHTING FIXTURE.
- EMERGENCY LED WALL MOUNTED LIGHTING FIXTURE.

FIRE ALARM EQUIPMENT (ROUGH-IN ONLY):

- FIRE ALARM SYSTEM ADDRESSABLE DUAL ACTION MANUAL PULL STATION. MOUNT 48" TO TOP OF DEVICE.
- FIRE ALARM SYSTEM AUDIO-VISUAL VOICE EVAC SPEAKER (ALL 75 CANDELA STROBES). MOUNT 80" AFF. TO BOTTOM OF DEVICE OR 6" FROM THE BOTTOM OF CEILING, WHICHEVER IS LOWER. 110 SUBSCRIPT INDICATES 110 CANDELA STROBE. 30 CANDELA STROBES ARE NOT PERMITTED. ALL STROBES IN COMMON AREAS OR CORRIDORS SHALL BE SYNCHRONIZED.
- FIRE ALARM SYSTEM ADDRESSABLE SMOKE DETECTOR. CEILING MOUNT.
- FIRE ALARM SYSTEM ADDRESSABLE PHOTOELECTRIC DUCT MOUNTED SAMPLE TUBE TYPE SMOKE DETECTOR. PROVIDED BY DIV. 26, INSTALLED BY DIV. 23 AND CONNECTED BY DIV. 26.
- FIRE ALARM SYSTEM RELAY
- FIRE ALARM SYSTEM ADDRESSABLE HEAT DETECTOR. CEILING MOUNT.
- SPRINKLER GONG.
- FACP FIRE ALARM CONTROL PANEL.
- ANN FIRE ALARM ANNUNCIATOR PANEL
- GENI GENERATOR ANNUNCIATOR PANEL
- INAC NOTIFICATION APPLIANCE CIRCUIT EXTENDER PANEL.
- FS ADDRESSABLE MONITOR MODULE CONNECTED TO FLOW SWITCH.
- TS ADDRESSABLE MONITOR MODULE CONNECTED TO TAMPER SWITCH.
- HA ADDRESSABLE MONITOR MODULE CONNECTED TO HOOD ALARM SYSTEM.
- DH MAGNETIC DOOR HOLDER. COORDINATE WITH ARCHITECTURAL DOOR HARDWARE SCHEDULE FOR EXACT REQUIREMENTS.

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR.	EMT	ELECTRICAL METALLIC TUBING
C	CONDUIT.	FMC	FLEXIBLE METAL CONDUIT
EWC	ELECTRIC WATER COOLER	LFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT
FACP	FIRE ALARM CONTROL PANEL.	IMC	INTERMEDIATE METAL CONDUIT
WP	WEATHERPROOF.	RGS	RIGID GALVANIZED STEEL CONDUIT
CL	CENTERLINE	RNC	RIGID NON-METALLIC CONDUIT
JB	JUNCTION BOX.	OFOI	OWNER FURNISHED OWNER INSTALLED
MNT	MOUNTING HEIGHT AFF	kAIC	KILO-AMPERE INTERRUPTING CAPABILITY
WSR	WITHSTAND RATING	GTD	GENERATOR TRANSFER DEVICE
SCA	SHORT CIRCUIT AMPS	ATS	ALTERNATE TRANSFER SWITCH
TMGB	TELECOM MAIN GROUND BAR	EMGB	ELECTRICAL MAIN GROUND BAR
DDC	DIRECT DIGITAL CONTROLS	TGB	TELECOM GROUND BAR
		TBB	TELECOM BACKBOARD BONDING CONDUCTOR
		TEBC	TELECOMMUNICATIONS EQUIPMENT BONDING CONDUCTOR

CABLE TRAY NOTES

- ANY CABLES INSTALLED IN CABLE TRAY SYSTEMS NOT SPECIFICALLY SHOWN ON THESE DRAWINGS SHALL BE APPROVED BY THE OWNER/ENGINEER PRIOR TO INSTALLATION.
- COMPONENTS AND INSTALLATION SHALL COMPLY WITH NFPA 70 "NATIONAL ELECTRICAL CODE".
- COORDINATE CABLE TRAY INSTALLATION WITH MECHANICAL EQUIPMENT, ELECTRICAL EQUIPMENT, DUCTWORK, CONDUITS, PIPING AND ALL OTHER TRADES PRIOR TO ORDERING AND INSTALLING.
- ALL CABLE TRAY COMPONENTS SHALL BE THE PRODUCT OF A SINGLE MANUFACTURER.
- INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
- REMOVE BURRS AND SHARP EDGES.
- MAKE CHANGES IN HEIGHT AND DIRECTION WITH STANDARD CABLE TRAY FITTINGS.
- FIRESTOP AT PENETRATIONS OF FIRE AND SMOKE BARRIERS.
- INSTALL TRAYS WITH AS MUCH AS POSSIBLE WORKING SPACE TOP AND BOTH SIDES FOR CABLE INSTALLATION.
- ELECTRICALLY GROUND CABLE TRAYS AND ENSURE CONTINUOUS ELECTRICAL CONDUCTIVITY OF CABLE TRAY SYSTEM. PROVIDE BONDING JUMPERS BETWEEN CABLE TRAY SECTIONS. PROVIDE A #4 AWG GROUNDING CONDUCTOR FOR EACH RUN OF CABLE TRAY - ATTACH TO TRAY WITH COMPRESSION GROUND LUG - RUN CONTINUOUS IN EMT CONDUIT AND BOND TO BUILDING MAIN ELECTRICAL SERVICE GROUND.
- SUBMIT CUT SHEETS OF ALL CABLE TRAY COMPONENTS TO ENGINEER PRIOR TO ORDERING MATERIALS.

GENERAL NOTES

- ENTIRE ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH THE 2014 EDITION OF THE NATIONAL ELECTRICAL CODE.
- CONDUIT ROUTINGS AND DEVICE/EQUIPMENT LOCATIONS SHOWN ARE DIAGRAMMATIC ONLY, CONTRACTOR SHALL FIELD ROUTE AND LOCATE AS REQUIRED. CONDUIT ROUTINGS SHALL BE NORTH/SOUTH OR EAST/WEST.
- ALL ELECTRICAL EQUIPMENT AND DEVICES SHALL BE PROVIDED WITH SUITABLE PHENOLIC NAMEPLATES.
- FOR OTHER THAN LIGHTING FIXTURES, CATALOG NUMBERS AND MANUFACTURERS SHOWN ARE TO INDICATE DEVICE, QUALITY, AND TYPE OF ITEM DESIRED ONLY. ANY SUBSTITUTION ON THE LIGHTING FIXTURES MUST BE PREAPPROVED TWO WEEKS PRIOR TO BID.
- THE CONDUIT MATERIAL SHALL BE AS FOLLOWS (SEE SPECIFICATION SECTIONS FOR EXCEPTIONS AND ADDITIONAL INFORMATION):
 - A) BELOW GRADE - RIGID NON-METALLIC (POWER & SITE LIGHTING ONLY).
 - B) RISER FROM 36" BELOW GRADE - RIGID GALVANIZED STEEL.
 - C) CONCEALED RISER FROM 36" BELOW GRADE - RIGID NON-METALLIC. (POWER ONLY)
 - D) ABOVE GRADE SUBJECT TO PHYSICAL ABUSE - RIGID GALVANIZED STEEL OR INTERMEDIATE.
 - E) ABOVE GRADE NOT SUBJECT TO PHYSICAL ABUSE OR WEATHER - ELECTRICAL METALLIC TUBING.
 - F) INDOORS NOT SUBJECT TO PHYSICAL ABUSE - ELECTRICAL METALLIC TUBING.
 - G) ALL INTERCOM, FIRE ALARM, AND CCTV CONDUITS INSTALLED BELOW GRADE THAT ARE NOT UNDER THE BUILDING SLAB - INTERMEDIATE OR RIGID METAL.
- THE LOADS SHOWN FOR APPLIANCES AND EQUIPMENT ARE BASED ON DESIGN INFORMATION. THE CONTRACTOR SHALL VERIFY ALL APPLIANCE LOADS PRIOR TO RUNNING THE CIRCUIT. THE MINIMUM CIRCUIT REQUIREMENTS SHALL BE BASED ON THE APPLIANCE NAMEPLATE VALUE OR CODE REQUIREMENTS, WHICHEVER IS MORE STRINGENT. ADDITIONAL COMPENSATION SHALL NOT BE ALLOWED FOR APPLIANCE MODIFICATIONS BY THE CONTRACTOR.
- COORDINATE LOCATIONS OF ELECTRICAL EQUIPMENT, DEVICES, OUTLETS, FIXTURES, ETC., WITH ARCHITECTURAL PLANS, ELEVATIONS AND REFLECTED CEILING PLANS PRIOR TO ROUGH-IN WORK.
- WALL OUTLETS SHALL NOT BE INSTALLED BACK TO BACK.
- CONTRACTOR SHALL SUPPLY ALL NECESSARY ELECTRICAL DEVICES IN THE CABINETS, INCLUDING BUT NOT LIMITED TO: RECEPTACLES, CONDUIT, JUNCTION BOXES, CONDUCTORS, DEVICE PLATES.
- PROVIDE A 6'-0" MAXIMUM FLEXIBLE CONNECTION FROM EACH RECESSED LIGHTING FIXTURE TO JUNCTION BOX ABOVE CEILING.
- ALL FIRE ALARM CIRCUITS SHALL BE TERMINATED ON TERMINAL STRIPS. WIRE NUTS ARE PROHIBITED. ALL ANNUNCIATING AND INITIATING CIRCUITS ENTERING THE BUILDING AND AT THE FIRE ALARM PANEL SHALL BE PROVIDED WITH SUITABLE SURGE SUPPRESSORS (SEE SPECIFICATIONS).
- VERIFY ALL POWER/DATA/PHONE RECEPTACLE ELEVATIONS LOCATED 7" CENTER LINE OVER COUNTERTOP WITH ARCHITECTURAL DETAILS PRIOR TO ROUGH-IN. LOCATE LONG AXIS HORIZONTALLY.
- ALL CONDUITS NOT LOCATED UNDER SLAB SHALL HAVE A MINIMUM BURIAL DEPTH OF 36" UNLESS NOTED OTHERWISE.
- ALL SAFETY SWITCH DISCONNECTS LOCATIONS IN MECHANICAL ROOMS SHALL HAVE 3'-0" MIN. OF WORKING SPACE IN FRONT OF DISCONNECT, COORDINATE WITH MECHANICAL CONTRACTOR AND EQUIPMENT LOCATIONS.
- FINAL CONDUIT CONNECTIONS TO HEAT PUMPS, AIR HANDLERS, EXHAUST FANS, AND WATER HEATERS SHALL BE FLEXIBLE METAL (LIQUID TIGHT IN FLAMMABLE, OUTSIDE AND OTHER DAMP AND WET LOCATIONS).
- CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATION AND SIZE OF EQUIPMENT WHICH ARE PROVIDED BY OTHERS AND CONNECTED BY ELECTRICAL.
- RECEPTACLES, SWITCHES COLOR SHALL BE SELECTED BY THE ARCHITECT FROM STANDARD COLORS. ALL COVER PLATES SHALL BE 302 STAINLESS STEEL.
- VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGHING IN FOR SWITCHES.
- CONDUITS LEAVING OR ENTERING BUILDING SHALL BE SEALED PER N.E.C. TO PREVENT ENTRANCE OF MOISTURE.
- ALL EXHAUST FAN DISCONNECTS AND OVERLOADS ARE SCHEDULED TO BE PROVIDED UNDER DIVISION 23.
- ALL DIMENSIONS TO DEVICES AFF SHALL BE TO CENTERLINE UNLESS NOTED OTHERWISE.
- WORKING SPACE OF 36" FOR 120/208 SYSTEMS AND 42" FOR 277/480 SYSTEMS SHALL BE MAINTAINED IN FRONT OF ALL ELECTRICAL PANELS AND DEVICES.
- ALL SIDEWALKS AND PARKING LOT ASPHALT AREAS THAT ARE CUT DUE TO NEW ELECTRICAL SERVICES SHALL BE REPAIRED TO MATCH EXISTING.
- FINAL CONNECTION TO ALL EQUIPMENT IS SHOWN DIAGRAMMATIC. PROVIDE FINAL CONNECTION AS REQUIRED PER MANUFACTURER OF EQUIPMENT.
- ALL SURFACE MOUNTED JUNCTION BOXES SHALL BE FS OR FD CAST HUB JUNCTION BOX. EXPOSED CONDUIT AND JUNCTION BOXES SHALL BE PAINTED TO MATCH WALL FINISH
- ELECTRICAL CONTRACTOR SHALL PROVIDE ROUGH-IN ONLY FOR FIRE ALARM, INTERCOM SYSTEM, AND AREA OF REFUGE SYSTEM.
- ELECTRICAL DEVICES LOCATED ON OPPOSITE SIDES OF FIRE RATED WALLS OR PARTITIONS SHALL BE SEPARATED BY A MINIMUM DISTANCE OF 2'-0". IF THE MINIMUM DISTANCE IS UNABLE TO BE MET, BOXES SHALL BE PROVIDED WITH UL CLASSIFIED PUTTY PADS OR BOX INSERTS TO MAINTAIN WALLS FIRE RATING.
- ELECTRICAL CONTRACTOR SHALL COORDINATE ALL EXTERIOR WALL PENETRATIONS WITH GENERAL CONTRACTOR.
- ALL ELECTRICAL ITEMS LOCATED ON EXTERIOR WALL SHALL BE WIRED FROM THE INTERIOR OF THE BUILDING. NO CONDUIT SHALL BE PERMITTED TO BE RUN IN EXTERIOR WALL/INSULATION.
- ALL RECEPTACLES LOCATED ON WALLS IN PRIMARY CLASSROOMS AND ESE ROOMS SHALL BE A LISTED GFCI RECEPTACLE, OR LOCATED DOWN STREAM OF THE LOAD SIDE OF A LISTED GFCI OUTLET.
- ALL RECEPTACLES SHALL TAMPER RESISTANT.

GENERAL LIGHTING CONTROL NOTES

- ALL DEVICES TO BE CONNECTED IN A DAISY CHAIN PATTERN SO THAT THE FIRST AND LAST DEVICE IN THE CHAIN HAS AN OPEN PORT.
- CONTRACTOR SHALL NOTE AND LABEL ADDRESS AND LOCATION OF EACH DEVICE ON THE SYSTEM ONE-LINE DIAGRAM OR SYSTEM LAYOUT DRAWINGS AT TIME OF INSTALLATION AND PROVIDE A COPY FOR COMMISSIONING AGENT.
- WIRING SHALL CONFORM TO THE NEC AND APPLICABLE CODES, INCLUDING PROVISION OF EQUIPMENT GROUNDING AS REQUIRED BY NEC.
- POWER CONDUCTORS SHALL BE SIZED PER THE NEC CAPACITY TABLES, INCLUDING ADJUSTMENT FACTOR AND NEUTRAL CONDUCTOR REQUIREMENTS (FEEDER AND BRANCH NEUTRAL CONDUCTORS MUST BE COUNTED AS CURRENT CARRYING CONDUCTORS). RUN SEPARATE NEUTRAL CONDUCTORS FOR EACH DIMMED LOAD CIRCUIT.
- VIOLET AND GRAY CONDUCTORS ARE FOR 0-10VDC LOW VOLTAGE TERMINATIONS ONLY. NEVER TERMINATE LINE VOLTAGE TO VIOLET AND GRAY.
- CONTRACTOR IS RESPONSIBLE FOR ALL CONTROL TERMINATIONS. NO SPLICES ARE PERMITTED IN CONTROL WIRING.
- POWER AND CONTROLS CONDUCTORS MAY NOT SHARE THE SAME RACEWAY OR CONDUIT.
- LOW VOLTAGE CABLE MUST BE INSTALLED AT LEAST 12" FROM ALL LINE VOLTAGE CONDUCTORS EXCEPT TO CROSS OR MAKE TERMINATIONS. CAT-6 CABLE MUST BE KEPT AWAY FROM ALL EMF DEVICES SUCH AS BALLASTS OR TRANSFORMERS.
- INSTALLING CONTRACTOR TO UTILIZE PURPLE CAT-6 CABLE PRE-TERMINATED AS RJ45 TIA/EIA-568B, SUPPLIED BY THE LIGHTING CONTROLS SYSTEM MANUFACTURER. IN LIEU OF PRE-TERMINATED CABLES, CONTRACT MAY HAVE A LICENSED LOW VOLTAGE INSTALLER WITH AT LEAST 10 YEARS EXPERIENCE INSTALLING CABLING SYSTEMS CREATE THE CABLES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THAT THE CAT6 WIRING IS TERMINATED PROPERLY AND FUNCTIONAL PRIOR TO COMMISSIONING AGENT COMING TO THE SITE. ALL CABLES SHALL BE ROUTED THROUGH TELECOMMUNICATIONS CABLING HANGER INFRASTRUCTURE.
- LIGHTING CONTROL SYSTEM SHALL BE COMMISSIONED BY A MANUFACTURER APPROVED REPRESENTATIVE. ALL DEVICES SHALL HAVE LOGICAL NAMES ASSIGNED TO THEM. COMMISSIONING AGENT SHALL VERIFY THAT THE CORRECT LIGHTING CONTROL DEVICES HAVE BEEN INSTALLED IN ALL SPACES.
- ELECTRICAL CONTRACTOR SHALL MEET WITH THE LIGHTING CONTROL MANUFACTURER REPRESENTATIVE PRIOR TO INSTALLATION OF LIGHTING CONTROL SYSTEM TO COORDINATE ALL INSTALLATION REQUIREMENTS INCLUDING ALL REQUIRED HARDWARE AND CONNECTIONS FOR THE ENTIRE LIGHTING CONTROL SYSTEM.

PATHWAY LABELING NOTE

ALL PATHWAYS FROM SERVING TELECOMMUNICATIONS CLOSET TO TELECOMMUNICATIONS CLOSET, INCLUDING PULL BOXES SHALL BE LABELED ON EACH END WITH (TOP/ROW / CABLING QTY / TYPE INCLUDING INNERDUCT SIZE AND QTY IF APPLICABLE).

ALL OSP PATHWAYS SHALL BE LABELED ON EACH END, AND BOTH SIDES OF MAINTENANCE HOLES AS NOTED ABOVE. IN ACCORDANCE WITH TIA-606.

FIRESTOPPING NOTE

THE CONTRACTOR SHALL FIRESTOP ALL PENETRATIONS OF ALL FLOORS AND ALL WALLS WHICH EXTEND TO THE UNDERSIDE OF THE FLOOR OR ROOF DECK ABOVE. FIRESTOPPING SHALL BE ACCOMPLISHED AFTER ALL CABLES ARE PULLED (ALL SYSTEMS) USING UL CLASSIFIED SYSTEMS WITH FIRE RATING EQUAL TO OR GREATER THAN THE FIRE RATING OF THE FLOOR OR WALL ASSEMBLY PENETRATED. FIRESTOP SYSTEMS SHALL BE 3M, NELSON OR ENGINEER APPROVED EQUAL. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS. THE CONTRACTOR SHALL SUBMIT A MANUFACTURER'S STANDARD DETAIL FOR EACH TYPE OF FLOOR AND WALL PENETRATION REQUIRED FOR THIS PROJECT. ALL OTHER PENETRATIONS OR OPENINGS IN NON-FIRE RATED WALLS SHALL BE REPAIRED AND SEALED WITH MATERIALS TO MATCH THE EXISTING CONSTRUCTION.

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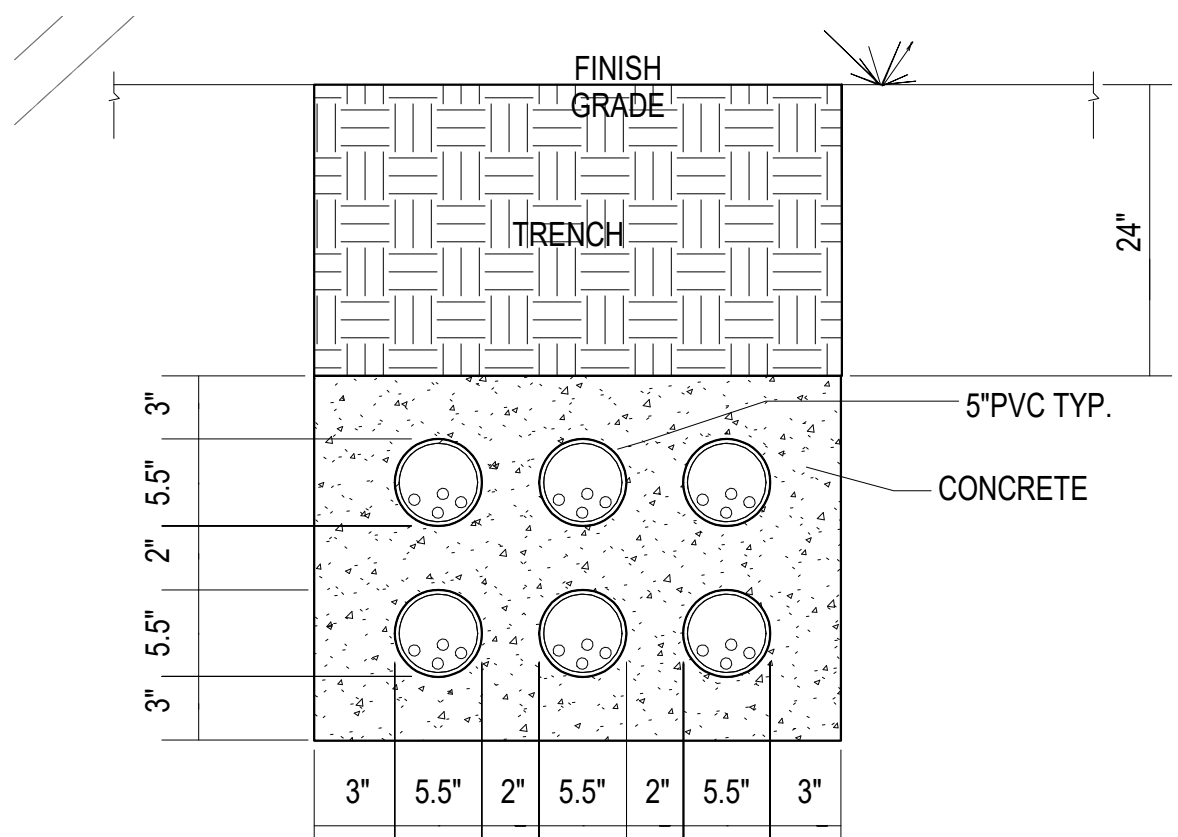
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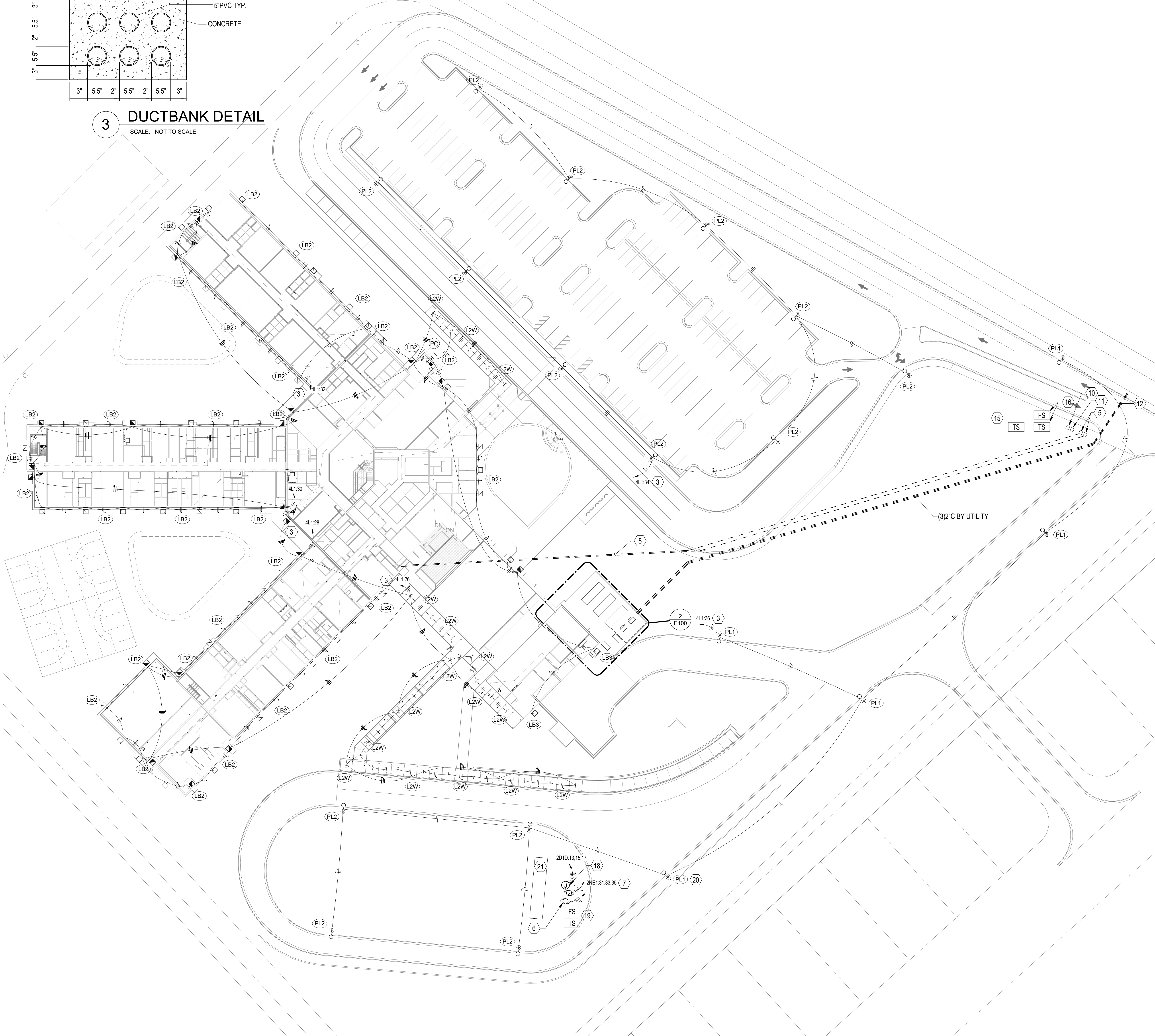
ELECTRICAL LEGEND, NOTES, AND ABBREVIATIONS

Project Number	20001
Dated	JUNE 2, 2020
Drawn By	JTH
Approved By	TAN
PM	JTH

E001



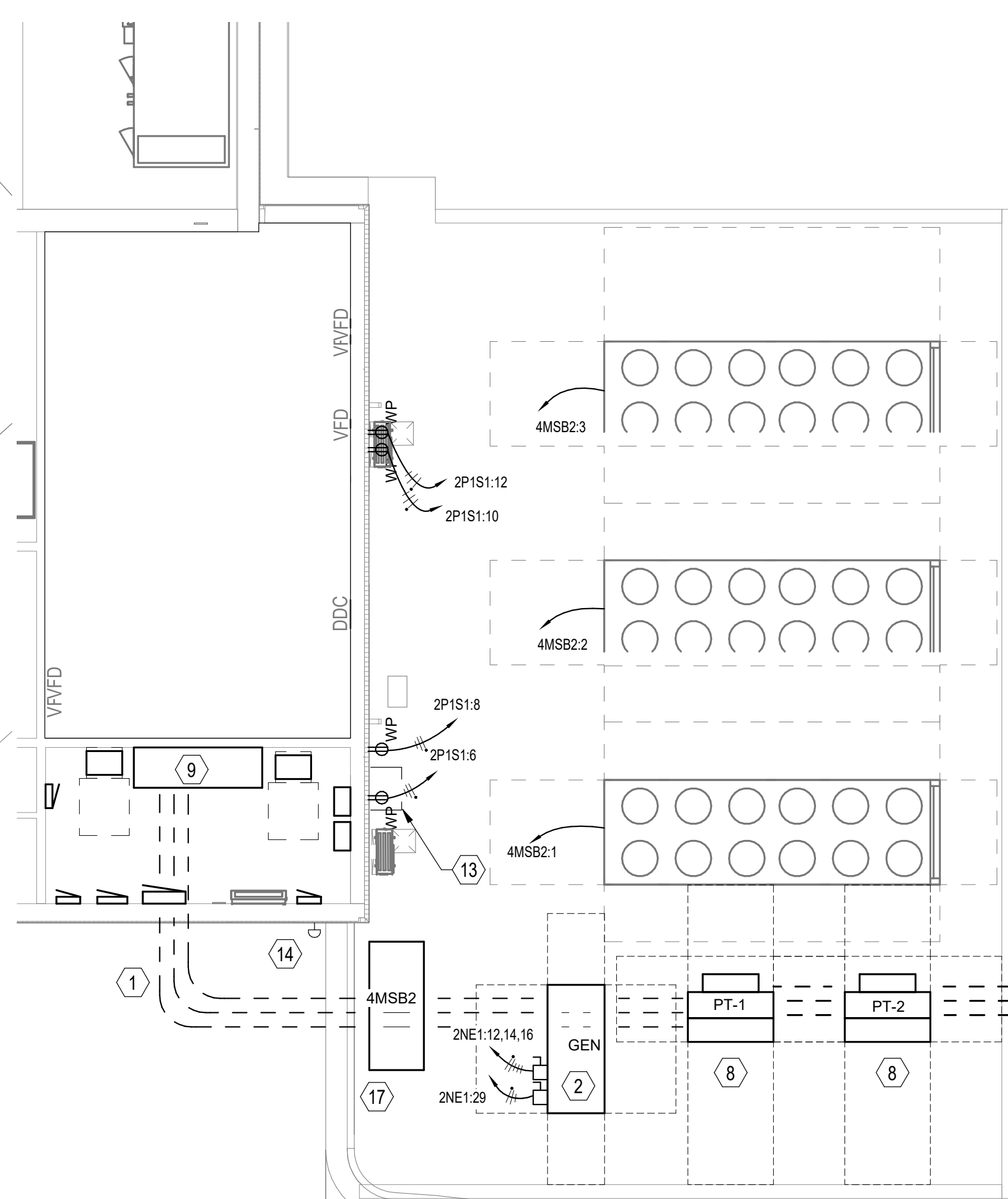
3 DUCTBANK DETAIL
SCALE: NOT TO SCALE



1 ELECTRICAL SITE PLAN
SCALE: 1" = 40'-0"
40' 0' 40' 80'
SCALE: 1"=40'-0"

SHEET NOTES

- SIX (6) 5" CONDUITS IN CONCRETE ENCASED DUCTBANK. REFER TO DETAIL 3/E100 FOR ADDITIONAL REQUIREMENTS. REFER TO SINGLE LINE DIAGRAM AND PANELBOARD INFORMATION SCHEDULE FOR FEEDER REQUIREMENTS. TOP OF DUCTBANK SHALL BE LOCATED AT 24" BELOW FINISHED GRADE.
- PROVIDE THE FOLLOWING CONDUITS FROM THE GENERATOR TO SERVING PANEL/AUTOMATIC TRANSFER SWITCH.
 - ONE (1) 2" CONDUIT TO NON-ESSENTIAL ATS.
 - ONE (1) 2" CONDUIT TO EMERGENCY ATS FOR CONTROLS.
 - ONE (1) 2" SPARE CONDUIT STUB UP INTO ELECTRICAL ROOM.
 - ONE (1) 1-1/2" CONDUIT TO EMERGENCY ATS
 - ONE (1) 1" CONDUIT TO PANEL 2NE1 FOR BATTER CHARGER.
 - ONE (1) 1" CONDUIT TO PANEL 2NE1 FOR BLOCK HEATER.
- ROUTE CIRCUIT THROUGH EXTERIOR LIGHTING RIG. INTEND 8 NLT 8SPR 16VOLT SM. HOMERUN AND CIRCUIT SHALL BE 2#8, #8G 3/4"C. PROVIDE SLEEVES UNDER PAVED AREA AS REQUIRED TO RUN CONDUIT AFTER SITE WORK IS COMPLETE. REFER TO DETAILS ON SHEET E608 FOR ADDITIONAL REQUIREMENTS.
- NOT USED.
- ROUTE TWO (2) 4" CONDUITS UNDERGROUND FROM MAIN TELECOM ROOM TO TWO (2) QUAZITE 36"x24" TIER 8 RATED FOR NON-DELIBERATE VEHICULAR TRAFFIC. PROVIDE WITH HUBBELL PRE-CAST CONCRETE COLLAR.
- FIRE PUMP CONTROLLER. HOMERUN SHALL BE 3#6, #6G, 1-1/4"C BACK TO PADMOUNT TRANSFORMER PT-2.
- JOCKEY PUMP CONTROLLER. HOMERUN SHALL BE 3#10, #10G 3/4"C.
- NEW PAD-MOUNTED TRANSFORMER. REFER TO SINGLE LINE DIAGRAM FOR ADDITIONAL REQUIREMENTS.
- MAIN SWITCHBOARD 4MSB1. REFER TO SINGLE LINE DIAGRAM FOR ADDITIONAL REQUIREMENTS.
- 10"x15"x12"D TIER 8 HANDHOLES FOR COMMUNICATIONS TO FUTURE MONUMENT SIGN. PROVIDE ONE 1-1/2" CONDUIT BACK TO MAIN TELECOM ROOM 160D.
- 10"x15"x12"D TIER 8 HANDHOLE FOR POWER TO FUTURE MONUMENT SIGN. PROVIDE ONE 1-1/2" CONDUIT BACK TO PANEL 2NE1 IN MAIN ELECTRICAL ROOM 160D.
- PROVIDE THREE (3) 4" SCH 40 PVC SLEEVES UNDER ENTRANCE DRIVE FOR GULF POWER INCOMING PRIMARY.
- 36"Wx36"Hx12"D NEMA 3R ENCLOSURE FOR COMMUNICATIONS EQUIPMENT. PROVIDE ONE (1) 2" CONDUIT BACK TO MAIN TELECOMMUNICATIONS ROOM 160D. MOUNT DUPLEX RECEPTACLE ON ENCLOSURE BACKBOARD.
- PROVIDE RED MUSHROOM STYLE MOMENTARY PUSH BUTTON EMERGENCY STOP SWITCH IN HINGED PLASTIC ENCLOSURE FOR GENERATOR EMERGENCY STOP. PROVIDE RED PHENOLIC NAME PLATE WITH 1" WHITE LETTERS 'GENERATOR EMERGENCY STOP'.
- COORDINATE EXACT LOCATION OF PIV WITH CIVIL PRIOR TO ROUGH-IN OF TAMPER SWITCH. PROVIDE 1" CONDUIT BACK TO FIRE ALARM CONTROL PANEL.
- COORDINATE EXACT LOCATION OF BACKFLOW PREVENTOR WITH CIVIL PRIOR TO ROUGH-IN OF TAMPER AND FLOW SWITCHES. PROVIDE 1" CONDUIT BACK TO FIRE ALARM CONTROL PANEL.
- MAIN SWITCHBOARD 4MSB2. PROVIDE 10" HOUSEKEEPING PAD WITH MIN 4" ABOVE FINISHED GRADE AND A MINIMUM OF 6" PAST EQUIPMENT FOOTPRINT. PROVIDE 2 ROWS #4 REBAR AT 12" CENTERS EACH WAY. TOP EDGE OF SLAB SHALL BE PROVIDED 3/4" CHAMFER ALL AROUND.
- 208Y/120V 125A MCB 30/4W 10KAIC PANEL PROVIDED WITH PUMP HOUSE PROVIDED BY PUMP HOUSE MANUFACTURER. HOMERUN SHALL BE 4#20, #4G, 2"C ALUMINUM CONDUCTORS.
- COORDINATE EXACT LOCATION AND QUANTITY OF TAMPER AND FLOW SWITCHES WITH FIRE PUMP BUILDING MANUFACTURER.
- LIGHT POLE FOUNDATION SHALL BE A MINIMUM OF 4'-0" FROM SHEET PILE WALL.
- FIRE PUMP WATER TANK. FILL VALVE SHALL BE PROVIDED WITH A 208Y/10 30A POWER RELAY WITH 120V COIL VOLTAGE. PROVIDE ONE 208Y/10 30A CIRCUIT (HOMERUN SHALL BE 2#10, #10G 3/4"C) BACK TO PUMP HOUSE PANEL. TANK CONTROL PANEL SHALL BE PROVIDED WITH 120V/10 CIRCUIT (HOMERUN SHALL BE 2#12, #12G 1/2"C) BACK TO PUMP HOUSE PANEL. CONTRACTOR SHALL CONNECT AND TERMINATE BOTH ALARM RELAYS AND TANK FILL RELAY AT CONTROL PANEL. PROVIDE 2#12 CONDUCTORS FROM FILL RELAY TO VALVE CONTROL RELAY. ALL WIRING ASSOCIATED WITH ALARMS AND CONTROL PANEL SHALL BE ROUTED IN CONDUIT NEATLY ROUTED TO EACH DEVICE. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT PROVIDED.



2 ENLARGED SITE PLAN
SCALE: 1/8" = 1'-0"
8' 0' 8' 16'
SCALE: 1/8"=1'-0"

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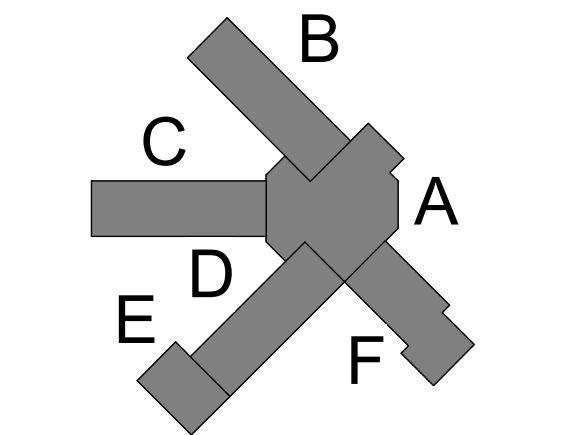
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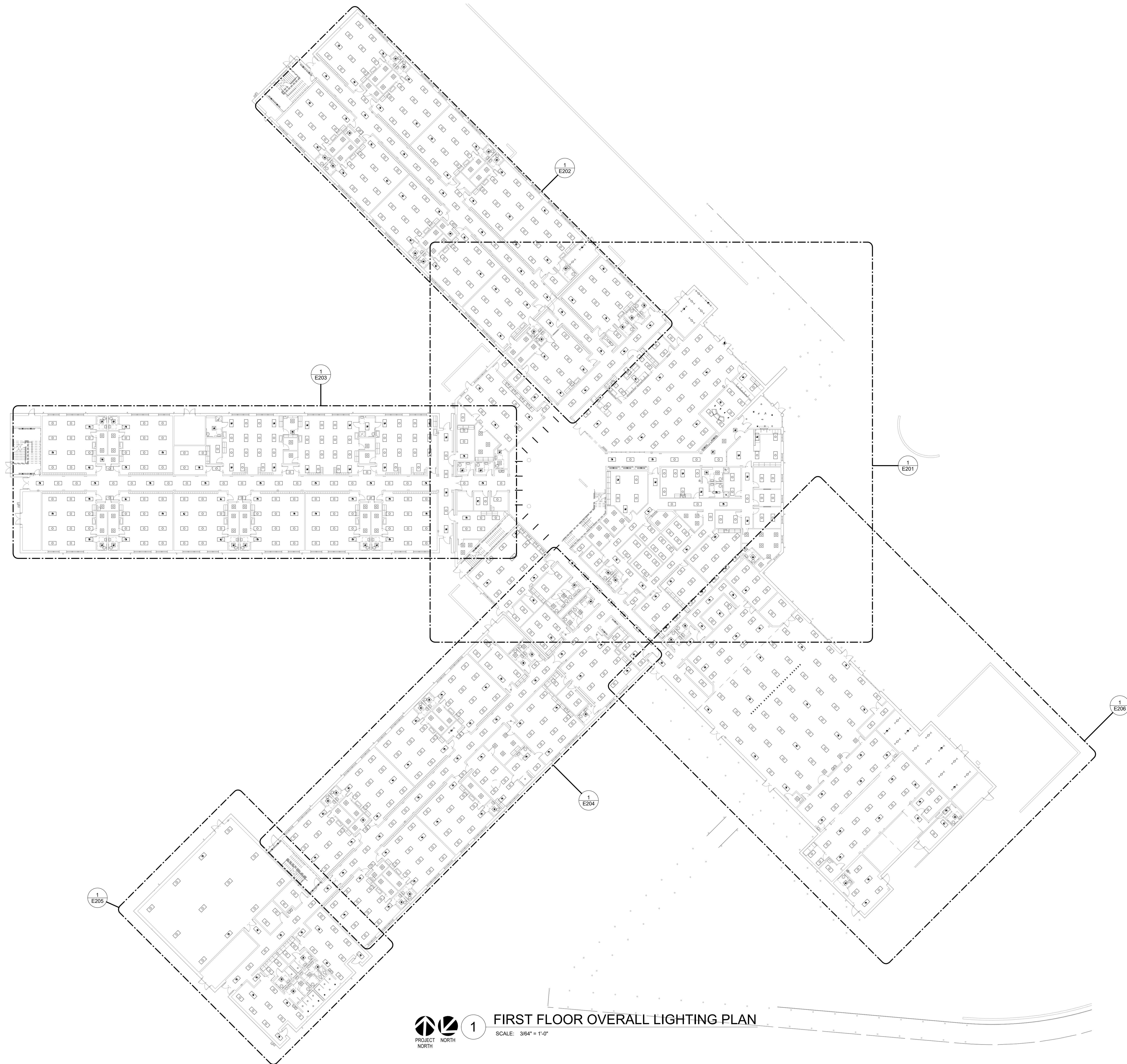
ELECTRICAL SITE
PLAN

Project Number	20001
Dated	JUNE 2, 2020
Drawn By	JTH
Approved By	TAN
PM	JTH

E100

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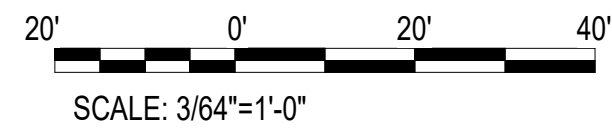
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FIRST FLOOR OVERALL LIGHTING PLAN

SCALE: 3/64"=1'-0"



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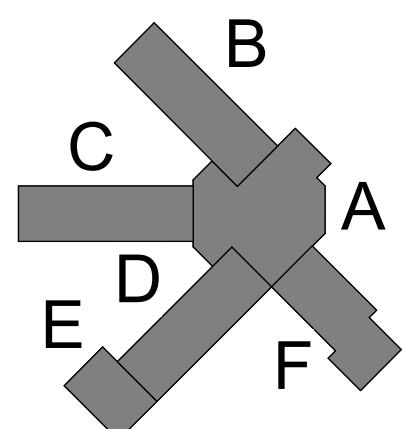
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FIRST FLOOR OVERALL LIGHTING PLAN

Project Number	20001
Dated	JUNE 2, 2020
Drawn By	JTH
Approved By	TAN
PM	JTH

E200



1 FIRST FLOOR POWER - AREA A

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



SHEET NOTES

- 1 PROVIDE NEMA 5-20R RECEPTACLE FOR ACCESS CONTROL DOOR POWER SUPPLY. COORDINATE EXACT REQUIREMENTS, HEIGHT, AND LOCATION OF RECEPTACLE PRIOR TO ROUGH-IN.
- 2 PROVIDE NEMA 6-20R RECEPTACLE FOR CONNECTION LARGE PRINTER.
- 3 MICROWAVE MOUNTED IN UPPER CABINETS. COORDINATE EXACT LOCATION AND HEIGHT OF RECEPTACLE WITH CABINETS.
- 4 RECEPTACLE TO BE MOUNTED 3'-0" ABOVE PIT FLOOR.
- 5 PROVIDE SINGLE GANG ELECTRICAL BOX MOUNTED 40" AFF. FOR VON DUPRIN PUSH BUTTON WALL SWITCH. PROVIDE 1/2" C TO VON DUPRIN POWER SUPPLY CABINET. MOUNT VON DUPRIN POWER SUPPLY CABINET ABOVE CEILING. HARDWIRE DEDICATED CIRCUIT. REFER TO ARCHITECTURAL SPECIFICATIONS FOR EXACT DOOR HARDWARE.
- 6 PROVIDE JUNCTION BOX AT 48" AFF FOR CONNECTION TO INTRUSION DETECTION PANEL (PROVIDED BY SECURITY CONTRACTOR). COORDINATE EXACT LOCATION WITH SECURITY CONTRACTOR PRIOR TO ROUGH-IN.
- 7 PROVIDE JUNCTION BOX AT 48" AFF FOR CONNECTION TO ACCESS CONTROL PANEL (PROVIDED BY SECURITY CONTRACTOR). COORDINATE EXACT LOCATION WITH SECURITY CONTRACTOR PRIOR TO ROUGH-IN.
- 8 PROVIDE 60A/3 POLE 208V SAFETY SWITCH FOR CONNECTION TO KILN. HOMERUN SHALL BE 3#6, #10G, 1-1/4" C.
- 9 COORDINATE EXACT LOCATION AND REQUIREMENTS OF KILN EXHAUST WITH EQUIPMENT PROVIDED.
- 10 COORDINATE EXACT LOCATION AND REQUIREMENTS OF INTERCOM MASTER STATION WITH INTERCOM CONTRACTOR PRIOR TO ROUGH-IN.
- 11 CONTROLLED RECEPTACLE CIRCUIT. ROUTE CIRCUIT THROUGH CONTROLLED RECEPTACLE CONTACTOR LOCATED IN ELECTRICAL ROOM. REFER TO DETAIL 4/E808. PROVIDE LABEL READING "CONTROLLED" ON GFCI RECEPTACLE. CONTROLLED RECEPTACLES DOWNSTREAM OF GFCI RECEPTACLE SHALL BE CIRCUITED FROM THE LOAD SIDE OF THE GFCI RECEPTACLE AND PROVIDED WITH A LABEL INDICATING "GFCI PROTECTED OUTLET".
- 12 CONTROLLED RECEPTACLE CIRCUIT. ROUTE CIRCUIT THROUGH CONTROLLED RECEPTACLE CONTACTOR LOCATED IN ELECTRICAL ROOM. REFER TO DETAIL 4/E808.
- 13 RECEPTACLE TO BE MOUNTED IN FURNITURE. ROUTE CIRCUIT THROUGH ELECTRICAL CHASE RUNNING ALONG THE OUTSIDE FACE.
- 14 MOUNT RECEPTACLE ABOVE CEILING FOR SIGN ANTENNA.
- 15 MOUNT JUNCTION BOX AT 48" AFF FOR CONNECTION TO FIRE ALARM NAC EXTENDER PANEL.

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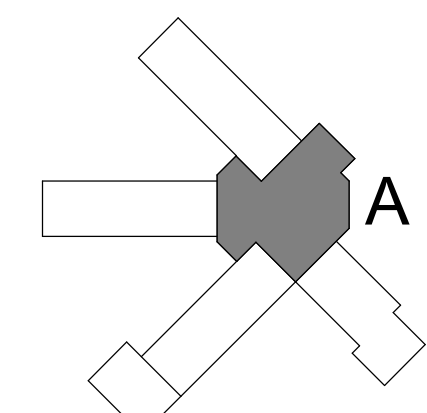
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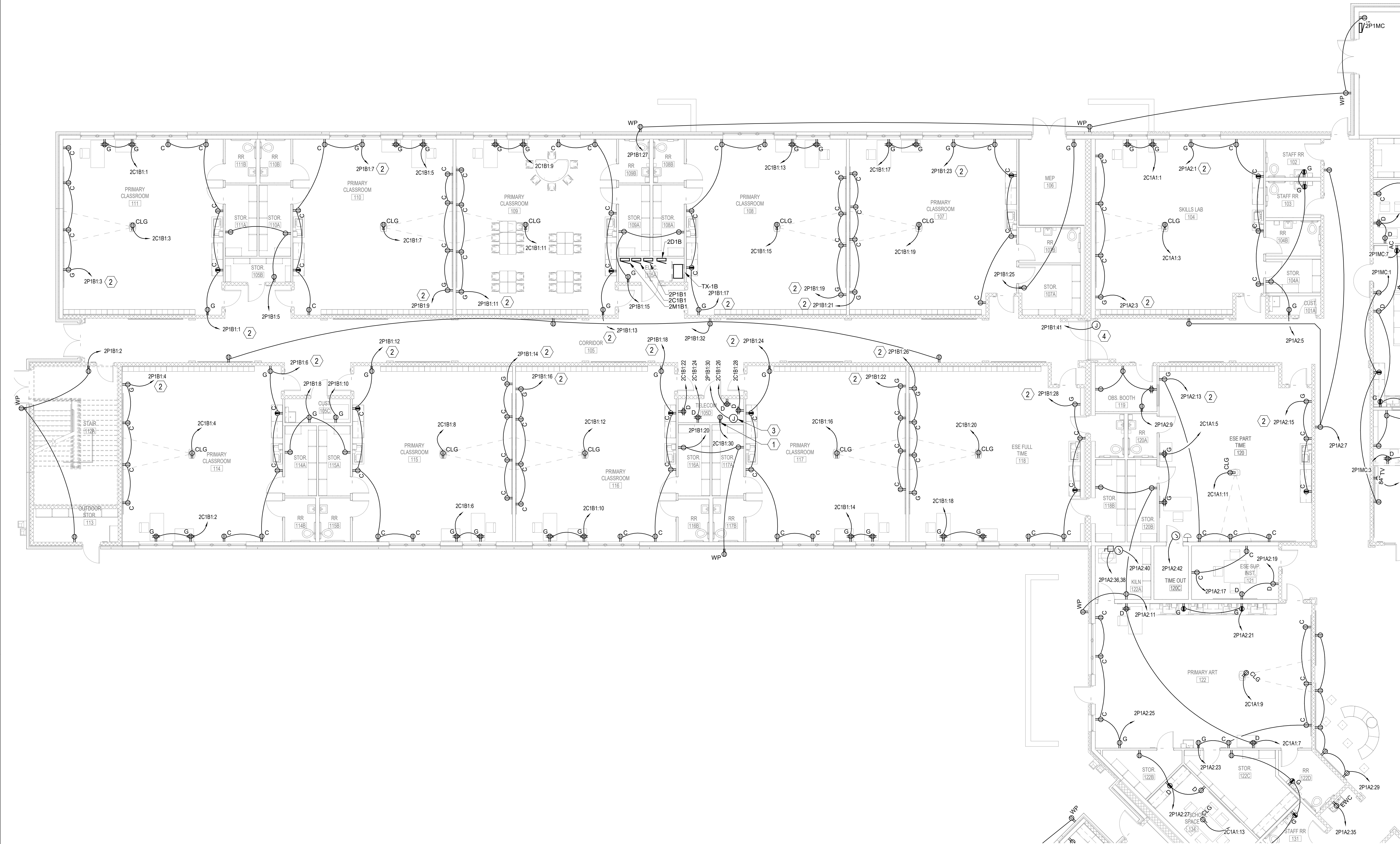


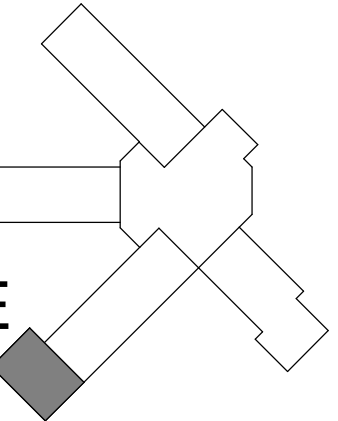
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No.	Description	Date

FIRST FLOOR
POWER - AREA A

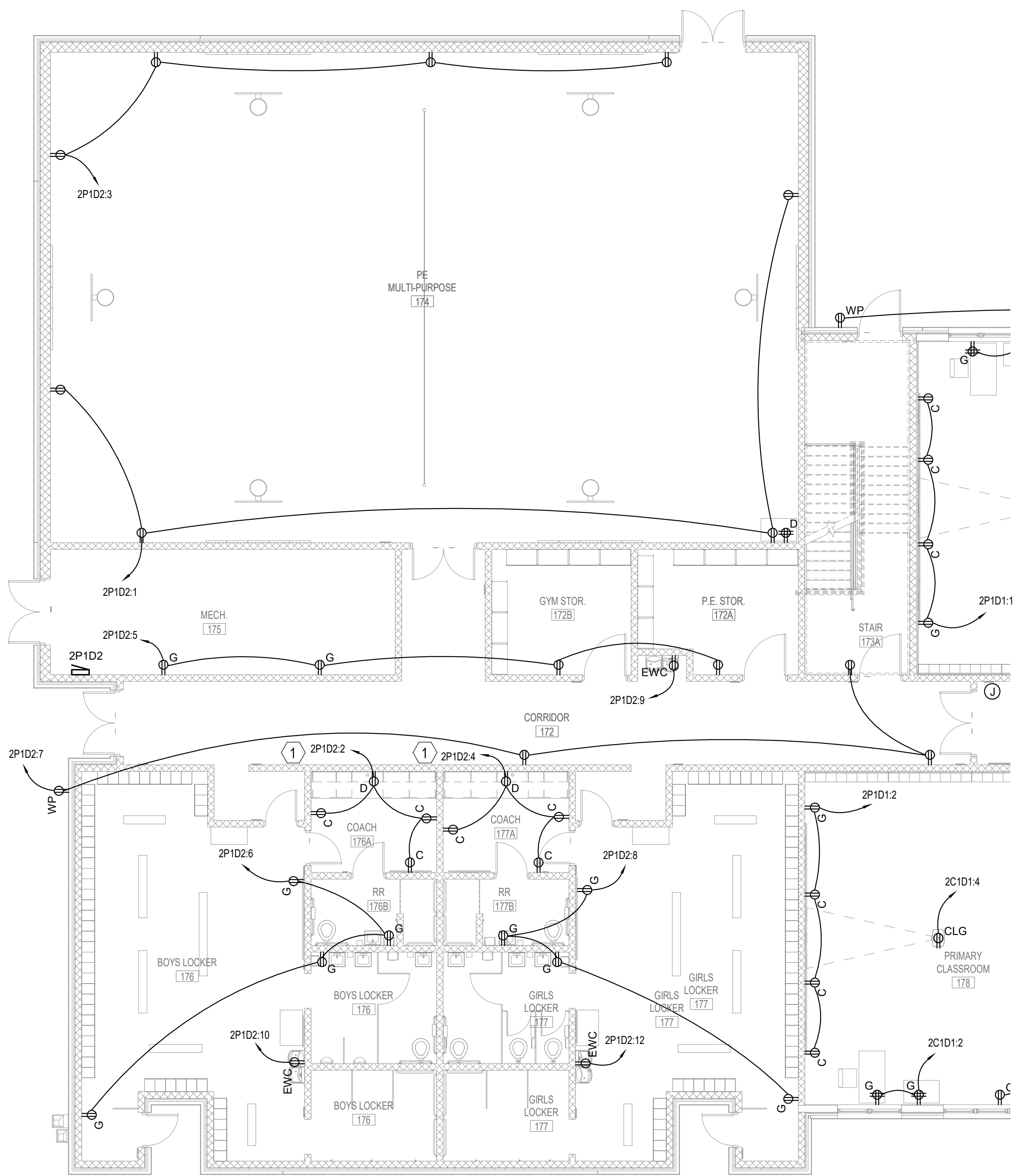
Project Number	20001
Dated	JUNE 2, 2020
Drawn By	JTH
Approved By	TAN
PM	JTH

E301





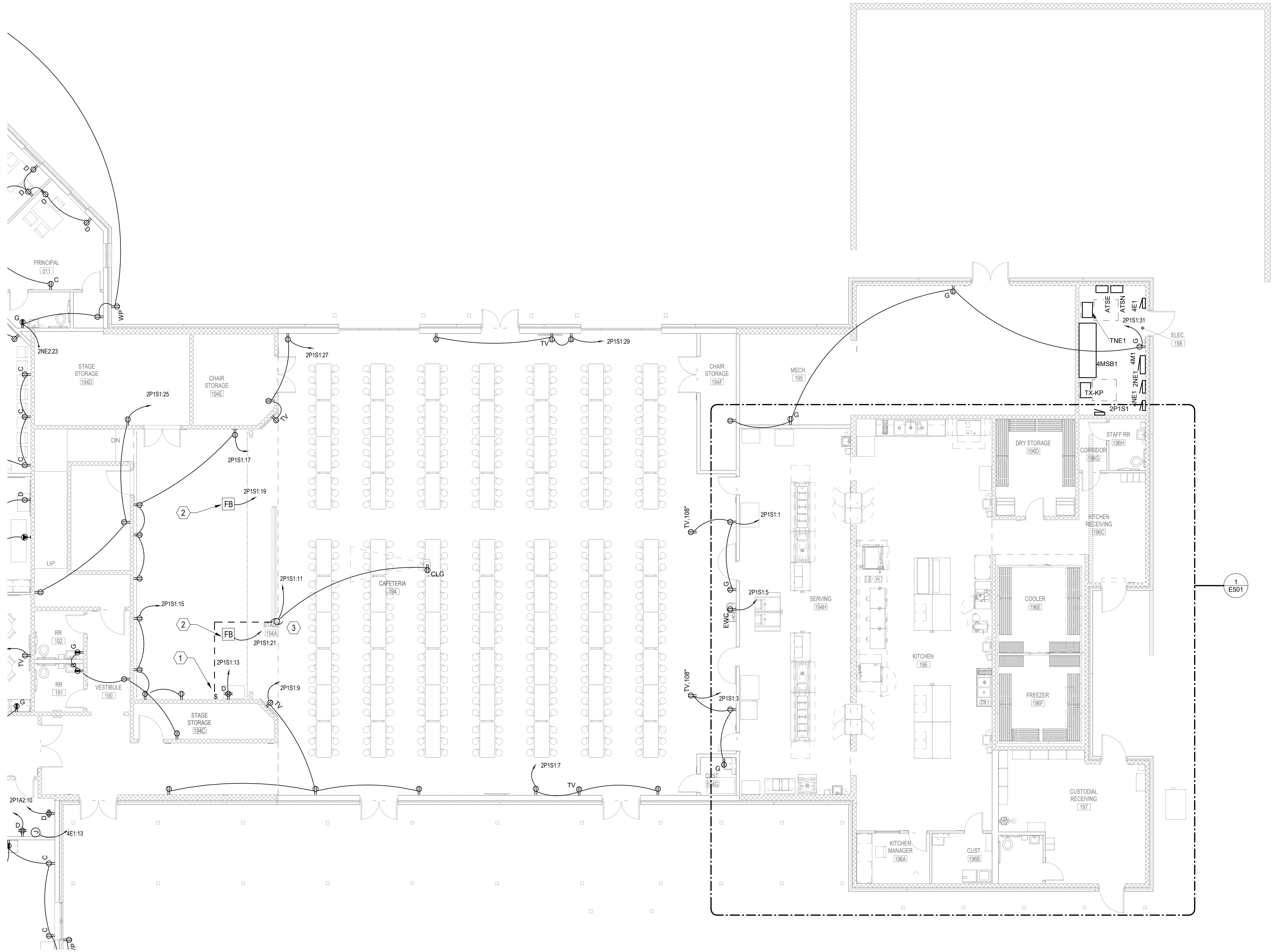
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1. CONTROLLED RECEPTACLE CIRCUIT. ROUTE CIRCUIT THROUGH CONTROLLED RECEPTACLE CONTACTOR LOCATED IN ELECTRICAL ROOM. REFER TO DETAIL 3/E608. PROVIDE LABEL READING "CONTROLLED" ON GFCI RECEPTACLE. CONTROLLED RECEPTACLES DOWNSTREAM OF GFCI RECEPTACLE SHALL BE CIRCUITED FROM THE LOAD SIDE OF THE GFCI RECEPTACLE AND PROVIDED WITH A LABEL INDICATING "GFCI PROTECTED OUTLET".

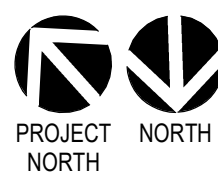
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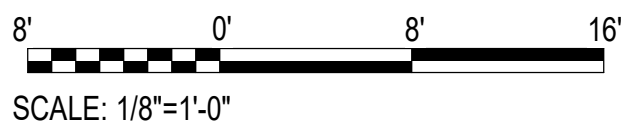


SHEET NOTES

- 1 SWITCH FOR CONTROL OF MOTORIZED SCREEN. SWITCH PROVIDED WITH SCREEN. ROUTE 3/4" FROM SWITCH TO MOTORIZED SCREEN.
- 2 PROVIDE FLOORBOX WITH ONE (1) DUPLEX RECEPTACLE, PROVIDE 3/4" FOR POWER. PROVIDE 1" CONDUIT BACK TO NEAREST CABLE TRAY FOR COMMUNICATIONS ROUGH-IN AND 3/4" CONDUIT BACK TO STAGE AV RACK FOR MICROPHONE. COORDINATE ADDITIONAL REQUIREMENTS WITH SYSTEMS PLAN SHEETS E406.
- 3 COORDINATE EXACT POWER REQUIREMENTS WITH SCREEN MANUFACTURER AND INSTALLATION INSTRUCTIONS.



1 FIRST FLOOR POWER - AREA F
SCALE: 1/8" = 1'-0"



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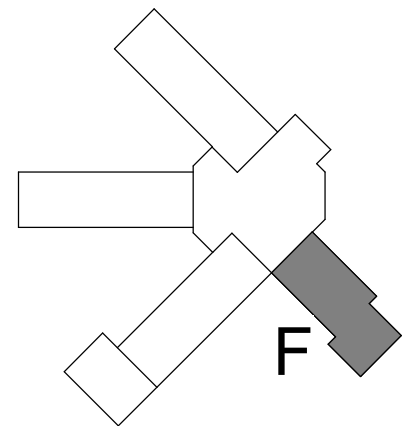
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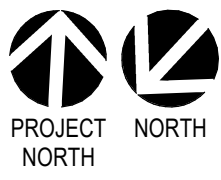
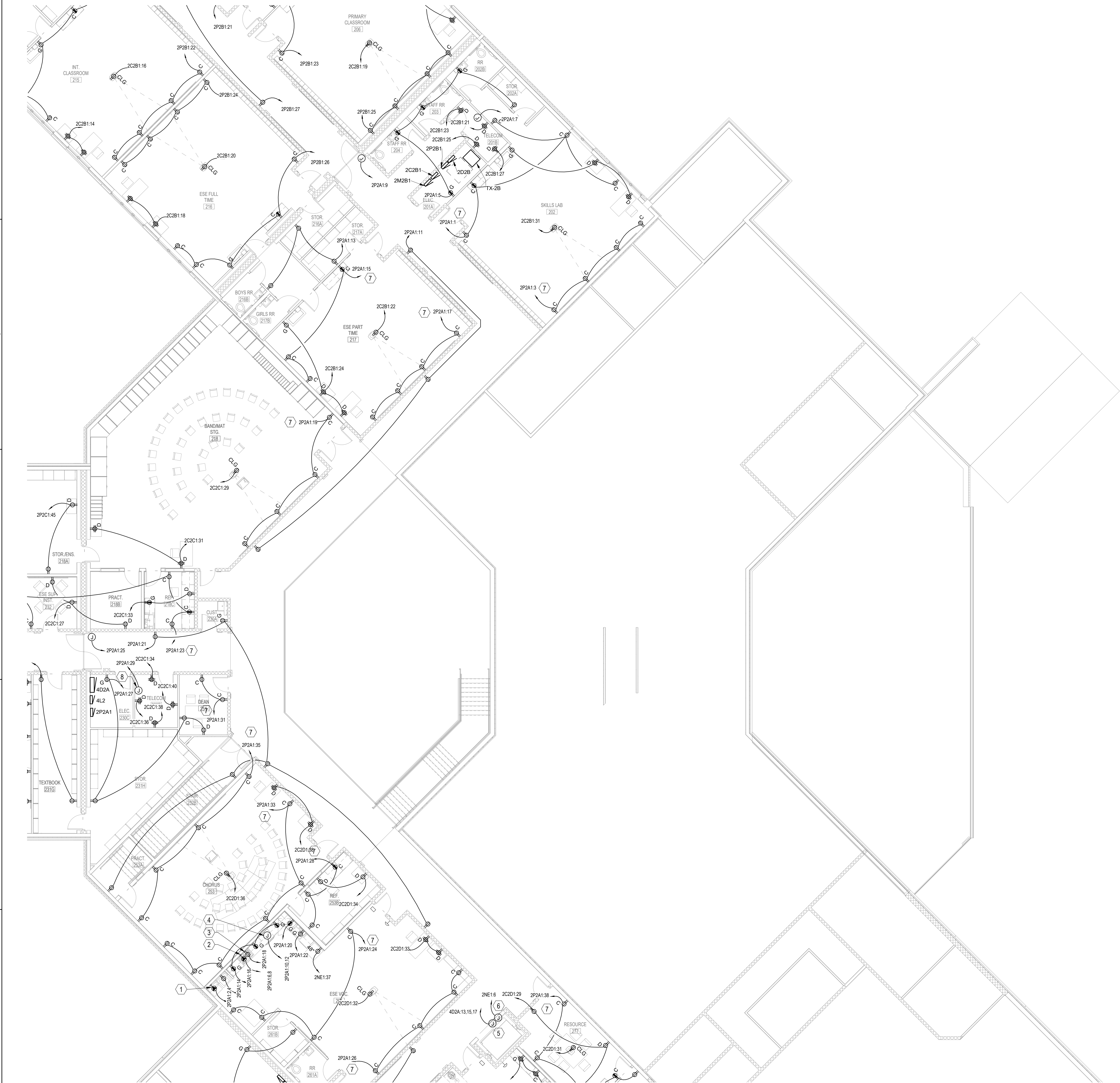


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No.	Description	Date

FIRST FLOOR
POWER - AREA F

Project Number	20001
Dated	JUNE 2, 2020
Drawn By	JTH
Approved By	TAN
PM	JTH

E306



1

SECOND FLOOR POWER - AREA A

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

8' 0' 8' 16'
SCALE: 1/8" = 1'-0"

SHEET NOTES

- 1 PROVIDE NEMA 14-30R RECEPTACLE FOR CONNECTION TO DRYER.
- 2 PROVIDE NEMA 14-40R RECEPTACLE FOR CONNECTION TO COOKTOP. MOUNT RECEPTACLE AT A MINIMUM 16" BELOW COUNTERTOP SURFACE.
- 3 PROVIDE DUPLEX RECEPTACLE MOUNTED IN CABINET ABOVE FOR CONNECTION CABINET HOOD. COORDINATE EXACT LOCATION OF RECEPTACLE WITH MANUFACTURER INSTALLATION INSTRUCTIONS.
- 4 PROVIDE JUNCTION BOX FOR CONNECTION OF ELECTRIC OVEN. COORDINATE EXACT MOUNTING LOCATION WITH MANUFACTURER INSTALLATION INSTRUCTIONS.
- 5 CONNECT TO ELEVATOR SHUNT TRIP CIRCUIT BREAKER (PROVIDED WITH ELEVATOR EQUIPMENT). FEEDER SHALL BE 3#8, #8G, 1" C.
- 6 COORDINATE EXACT REQUIREMENTS OF ELEVATOR CAB LIGHTING. CIRCUIT BREAKER PROVIDED WITH ELEVATOR EQUIPMENT.
- 7 CONTROLLED RECEPTACLE CIRCUIT. ROUTE CIRCUIT THROUGH CONTROLLED RECEPTACLE CONTACTOR LOCATED IN ELECTRICAL ROOM. REFER TO DETAIL 4/E009.
- 8 MOUNT JUNCTION BOX AT 48" AFF FOR CONNECTION TO FIRE ALARM NAC EXTENDER PANEL.

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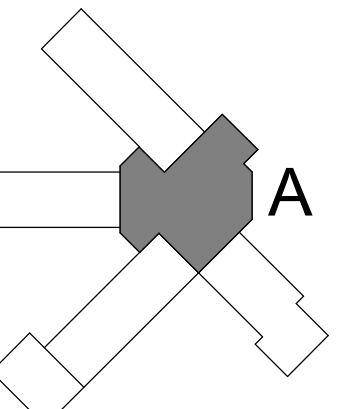
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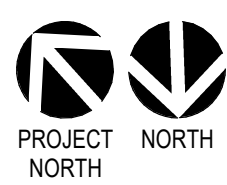
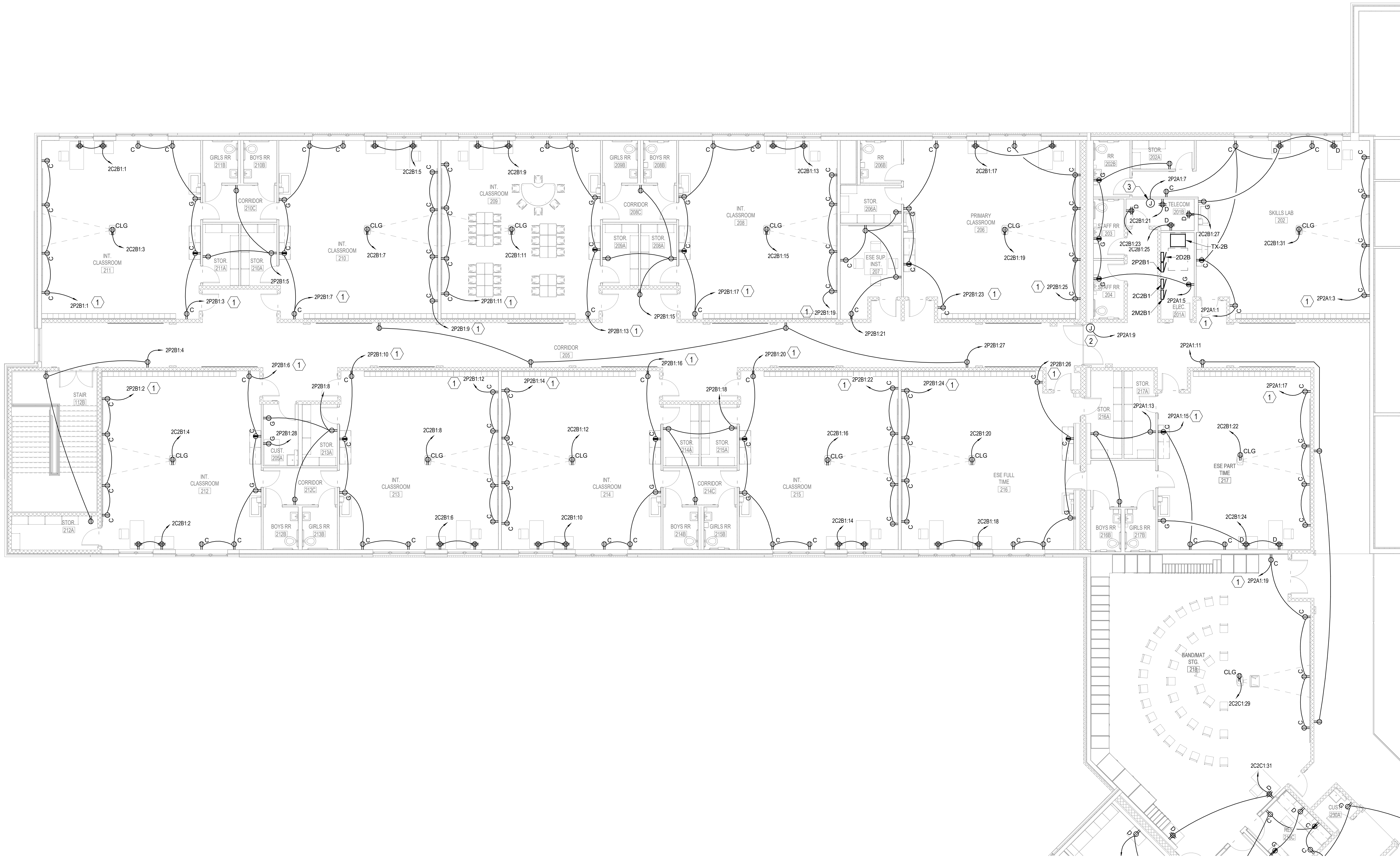
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No.	Description	Date

SECOND FLOOR POWER - AREA A

Project Number	20001
Dated	JUNE 2, 2020
Drawn By	JTH
Approved By	TAN
PM	JTH

E311



1

SECOND FLOOR POWER - AREA B

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

8' 0' 8' 16'
SCALE: 1/8"=1'-0"

SHEET NOTES

- 1 CONTROLLED RECEPTACLE CIRCUIT. ROUTE CIRCUIT THROUGH CONTROLLED RECEPTACLE CONTACTOR LOCATED IN ELECTRICAL ROOM. REFER TO DETAIL 1/E603.
- 2 PROVIDE JUNCTION BOX ABOVE CEILING FOR CONNECTION TO DOOR HOLDERS.
- 3 MOUNT JUNCTION BOX AT 48" AFF FOR CONNECTION TO FIRE ALARM NAC EXTENDER PANEL.

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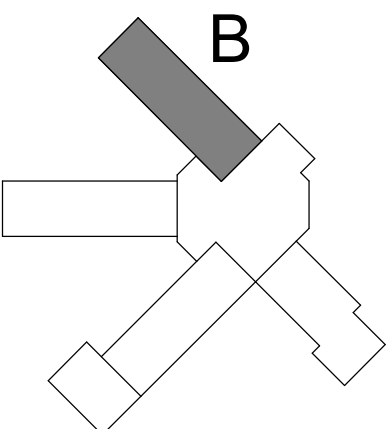
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P: 850-438-0200 F: 850-432-0401
TODD NICHOLSON P.E.
FLORIDA LICENSE NUMBER 69682
SCD project: 2020-104



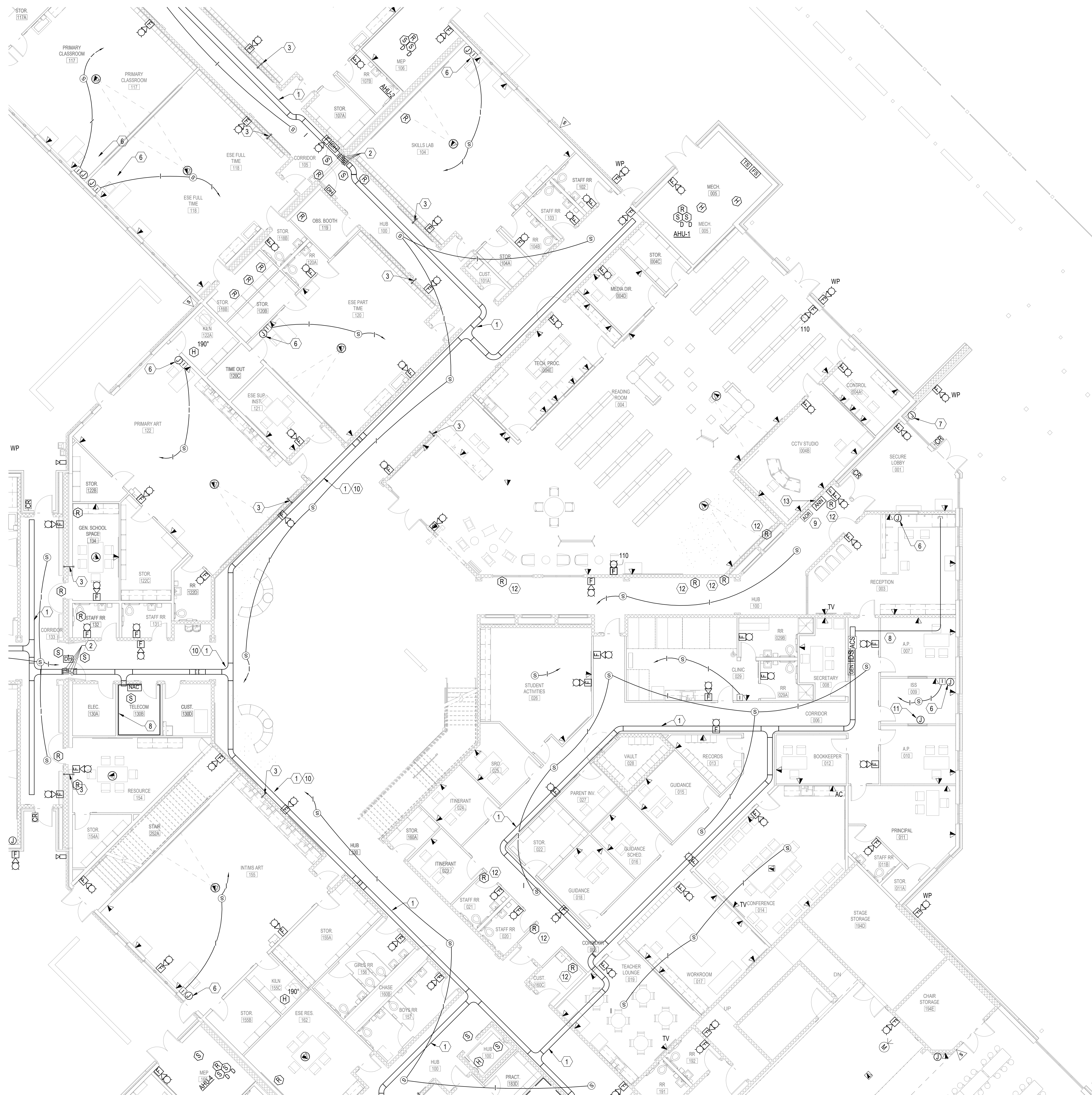
REVISIONS:

No.	Description	Date

SECOND FLOOR POWER - AREA B

Project Number	20001
Dated	JUNE 2, 2020
Drawn By	JTH
Approved By	TAN
PM	JTH

E312



  **1** **FIRST FLOOR SYSTEMS - AREA A**
SCALE: 1/8" = 1'-0"

E401

- 12" CABLE TRAY, 4" SIDE RAIL WIRE MESH TYPE. SUPPORT WITH HEAVY DUTY BRACKETS 8'-0" ON CENTER. PROVIDE RADIAL SWEEPING TURNS. INSTALL TRAY AT A MINIMUM 8" CLEAR FROM 120V ELECTRICAL, 12" CLEAR FROM MOTORS AND 277V ELECTRICAL. REFER TO CABLE TRAY CLEARANCE DETAIL.
- 2 PROVIDE FOUR 4" MECHANICAL EZ-PATH SLEEVES ABOVE ACCESSIBLE CEILING.
- 3 PROVIDE ONE 2" SLEEVE ABOVE ACCESSIBLE CEILING. SLEEVE SHALL MEET OR EXCEED RATING OF WALL.
- 4 COORDINATE LOCATION FOR DDC ROUGH-IN OUTLET WITH MECHANICAL CONTRACTOR.
- 5 COORDINATE LOCATION FOR ENERGY MANAGEMENT CONTROL ROUGH-IN OUTLET WITH ELECTRICAL CONTRACTOR.
- 6 PROVIDE 2-GANG JUNCTION BOX MEASURING 4-11/16" x 4-11/16" x 3-1/4" AT 18" AFF WITH BLACK COVER PLATE (COLOR TO MATCH POWER). STUB UP 2" TO ABOVE CEILING. PROVIDE PULL STRING.
- 7 PROVIDE 2-GANG JUNCTION BOX WITH 1-GANG RING AT 54" AFF WITH 1" CONDUIT TO SERVING CABLE TRAY.
- 8 PLYWOOD BACKBOARD: ROUGH ALL ELECTRICAL OUTLETS IN BACKBOARD FOR FLUSH MOUNT INSTALLATION OF FACEPLATES. BACKBOARDS SHALL BE 3/4" THICK AB GRADE PLYWOOD. COUNTERSINK ALL SCREWS. PAINT ALL SURFACES WITH TWO COATS OF FIRE-RETARDANT PAINT, LIGHT GRAY IN COLOR. FINAL SURFACE SHALL BE UNIFORMLY SMOOTH AND EVEN. TOUCH UP AT END OF PROJECT. COORDINATE WORK WITH ELECTRICAL CONTRACTOR TO ENSURE THAT POWER RECEPTACLES ARE PROPERLY LOCATED AND WITH FACEPLATES FLUSH ON FACE OF BACKBOARD. TOP OF BACKBOARD SHALL BE MOUNTED AT 76" AFF AND BOTTOM OF BACKBOARD SHALL BE 6" AFF.
- 8 COORDINATE EXACT SIZE AND NUMBER OF CONDUITS FOR INTERCOM MASTER STATION WITH INTERCOM CONTRACTOR PRIOR TO ROUGH-IN.
- 9 AREA OF REFUGE CABLE BOX BASE STATION EQUIVALENT TO RATH #2500-210FM. MOUNT AT 80" AFF TO CENTER OF STATION. PROVIDE ALL CABLEING FROM BASE STATION TO AREA OF REFUGE CABLE BOXES AND POWER SUPPLIES REQUIRED FOR COMPLETE AND OPERATIONAL SYSTEM.
- 10 CABLE TRAY SHALL BE MOUNTED AT 11'-6" AFF.
- 11 PROVIDE 1" CONDUIT AND ROUTE BACK TO COMM ROOM.
- 12 PROVIDE FIRE ALARM RELAY FOR SMOKE DAMPER.
- 13 PROVIDE 3/4" CONDUIT FROM FIRE ALARM ANNUNCIATOR BACK TO FIRE ALARM CONTROL PANEL.



PHASE III
DOCUMENTS

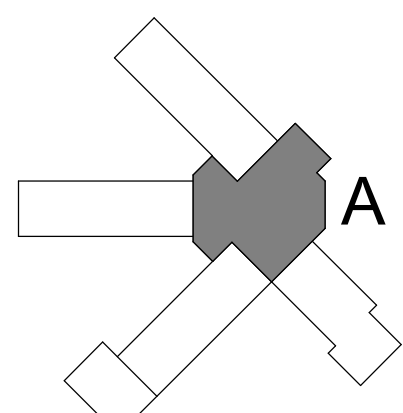
**NOT FOR
CONSTRUCTION**

SANTA ROSA COUNTY SCHOOL DISTRICT
SCHOOL A

4910 CHARISMA STREET, MILTON, FL 32570



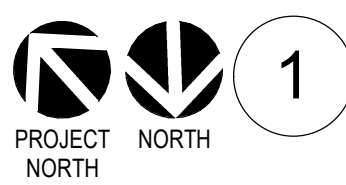
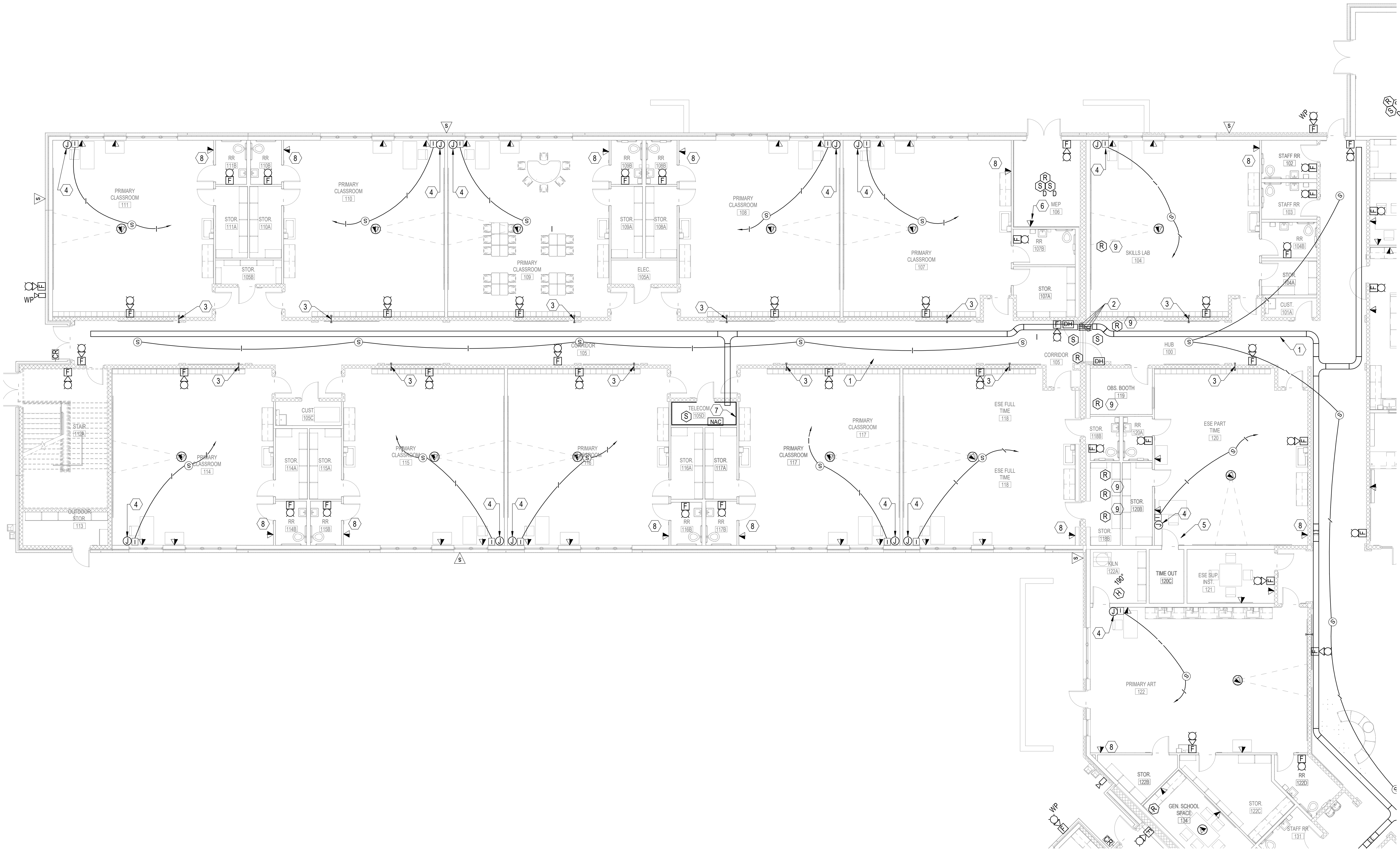
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TODD NICHOLSON P.E.
FLORIDA LICENSE NUMBER 56882
SCG project: 2020-104

[illegible]

FIRST FLOOR
SYSTEMS - AREA
A

Project Number	20001
Dated	JUNE 2, 2020
Drawn By	JTH
Approved By	TAN
PM	JTH

E401



1 FIRST FLOOR SYSTEMS - AREA B

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



SHEET NOTES

- 12" CABLE TRAY, 4" SIDE RAIL WIRE MESH TYPE. SUPPORT WITH HEAVY DUTY BRACKETS 8'-0" ON CENTER. PROVIDE RADIAL SWEEPING TURNS. INSTALL TRAY AT A MINIMUM 8" CLEAR FROM 120V ELECTRICAL. 12" CLEAR FROM MOTORS AND 277V ELECTRICAL. REFER TO CABLE TRAY CLEARANCE DETAIL.
- PROVIDE FOUR 4" MECHANICAL EZ-PATH SLEEVES ABOVE ACCESSIBLE CEILING.
- PROVIDE ONE 2" SLEEVE ABOVE ACCESSIBLE CEILING. SLEEVE SHALL MEET OR EXCEED RATING OF WALL.
- PROVIDE 2-GANG JUNCTION BOX MEASURING 4-11/16" x 4-11/16" x 3-1/4" AT 18" AFF WITH BLANK COVER PLATE (COLOR TO MATCH POWER). STUB UP 2" TO ABOVE CEILING. PROVIDE PULL STRING.
- PROVIDE 1-GANG BOX AT 48" AFF WITH 3/4" CONDUIT TO ABOVE ACCESSIBLE CEILING
- COORDINATE LOCATION FOR DDC ROUGH-IN OUTLET WITH MECHANICAL CONTRACTOR.
- PLYWOOD BACKBOARD. ROUGH ALL ELECTRICAL OUTLETS IN BACKBOARD FOR FLUSH MOUNT INSTALLATION OF FACEPLATES. BACKBOARDS SHALL BE 3/4" THICK AB GRADE PLYWOOD. COUNTERSINK ALL SCREWS. PAINT ALL SURFACES WITH TWO COATS OF FIRE-RETARDANT PAINT, LIGHT GRAY IN COLOR. FINAL SURFACE SHALL BE UNIFORMLY SMOOTH AND EVEN. TOUCH UP AT END OF PROJECT. COORDINATE WORK WITH ELECTRICAL CONTRACTOR TO ENSURE THAT POWER RECEPTACLES ARE PROPERLY LOCATED AND WITH FACEPLATES FLUSH ON FACE OF BACKBOARD. TOP OF BACKBOARD SHALL BE MOUNTED AT 7'6" AFF AND BOTTOM OF BACKBOARD SHALL BE 6" AFF.
- COORDINATE EXACT LOCATION OF DATA CONNECTION WITH MECHANICAL FAN COIL UNITS PRIOR TO ROUGH-IN.
- PROVIDE FIRE ALARM RELAY FOR SMOKE DAMPER.

DAG

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PHASE III DOCUMENTS

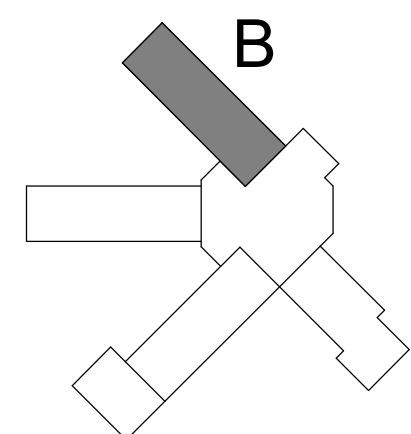
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SANTA ROSA COUNTY SCHOOL DISTRICT SCHOOL A

4910 CHARISMA STREET, MILTON, FL 32570



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TODD NICHOLSON P.E.
FLORIDA LICENSE NUMBER 6682
SCG project: 2020-104

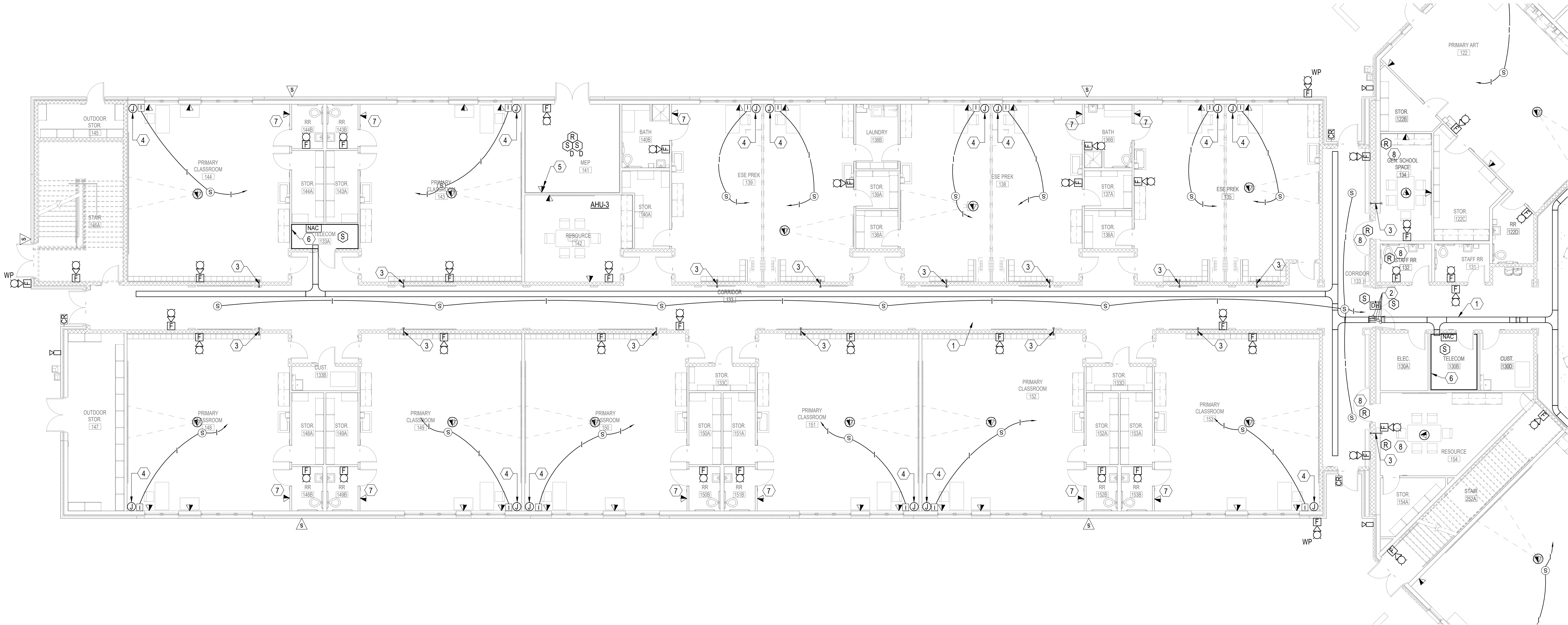


REVISIONS:		
No.	Description	Date

FIRST FLOOR SYSTEMS - AREA B

Project Number	20001
Dated	JUNE 2, 2020
Drawn By	JTH
Approved By	TAN
PM	JTH

E402



SHEET NOTES

- 12" CABLE TRAY, 4" SIDE RAIL, WIRE MESH TYPE. SUPPORT WITH HEAVY DUTY BRACKETS 8'-0" ON CENTER. PROVIDE RADIAL SWEEPING TURNS. INSTALL TRAY AT A MINIMUM 8" CLEAR FROM 120V ELECTRICAL, 12" CLEAR FROM MOTORS AND 277V ELECTRICAL. REFER TO CABLE TRAY CLEARANCE DETAIL.
- PROVIDE FOUR 4" MECHANICAL EZ-PATH SLEEVES ABOVE ACCESSIBLE CEILING.
- PROVIDE ONE 2" SLEEVE ABOVE ACCESSIBLE CEILING. SLEEVE SHALL MEET OR EXCEED RATING OF WALL.
- PROVIDE 2-GANG JUNCTION BOX MEASURING 4-11/16" x 4-11/16" x 3-1/4" AT 18" AFF WITH BLANK COVER PLATE (COLOR TO MATCH POWER). STUB UP 2" TO ABOVE CEILING, PROVIDE PULL STRING.
- COORDINATE LOCATION FOR DDC ROUGH-IN OUTLET WITH MECHANICAL CONTRACTOR.
- PLYWOOD BACKBOARD. ROUGH ALL ELECTRICAL OUTLETS IN BACKBOARD FOR FLUSH MOUNT INSTALLATION OF FACEPLATES. BACKBOARDS SHALL BE 3/4" THICK AB GRADE PLYWOOD. COUNTERSINK ALL SCREWS. PAINT ALL SURFACES WITH TWO COATS OF FIRE-RETARDANT PAINT, LIGHT GRAY IN COLOR. FINAL SURFACE SHALL BE UNIFORMLY SMOOTH AND EVEN. TOUCH UP AT END OF PROJECT. COORDINATE WORK WITH ELECTRICAL CONTRACTOR TO ENSURE THAT POWER RECEPTACLES ARE PROPERLY LOCATED AND WITH FACEPLATES FLUSH ON FACE OF BACKBOARD. TOP OF BACKBOARD SHALL BE MOUNTED AT 76" AFF AND BOTTOM OF BACKBOARD SHALL BE 6" AFF.
- COORDINATE EXACT LOCATION OF DATA CONNECTION WITH MECHANICAL FAN COIL UNITS PRIOR TO ROUGH-IN.
- PROVIDE FIRE ALARM RELAY FOR SMOKE DAMPERS.

DAG

ARCHITECTS

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PHASE III
DOCUMENTS

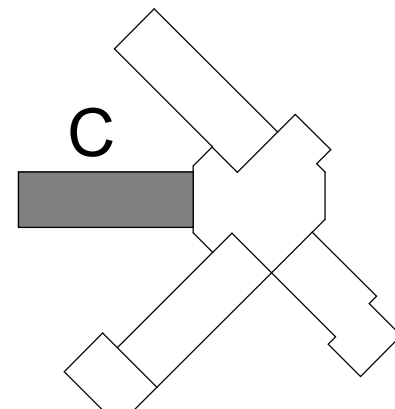
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CONSTRUCTION

SANTA ROSA COUNTY SCHOOL DISTRICT
SCHOOL A

4910 CHARISMA STREET, MILTON, FL 32570

SCHMIDT
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FLORIDA LICENSE NUMBER 6682
SCD project: 2020-104



REVISIONS:		
No.	Description	Date

FIRST FLOOR
SYSTEMS - AREA
C

Project Number	20001
Dated	JUNE 2, 2020
Drawn By	JTH
Approved By	TAN
PM	JTH

E403



1

FIRST FLOOR SYSTEMS - AREA C

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

8' 0' 8' 16'
SCALE: 1/8"=1'-0"

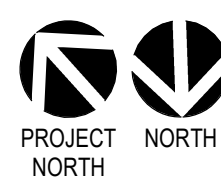
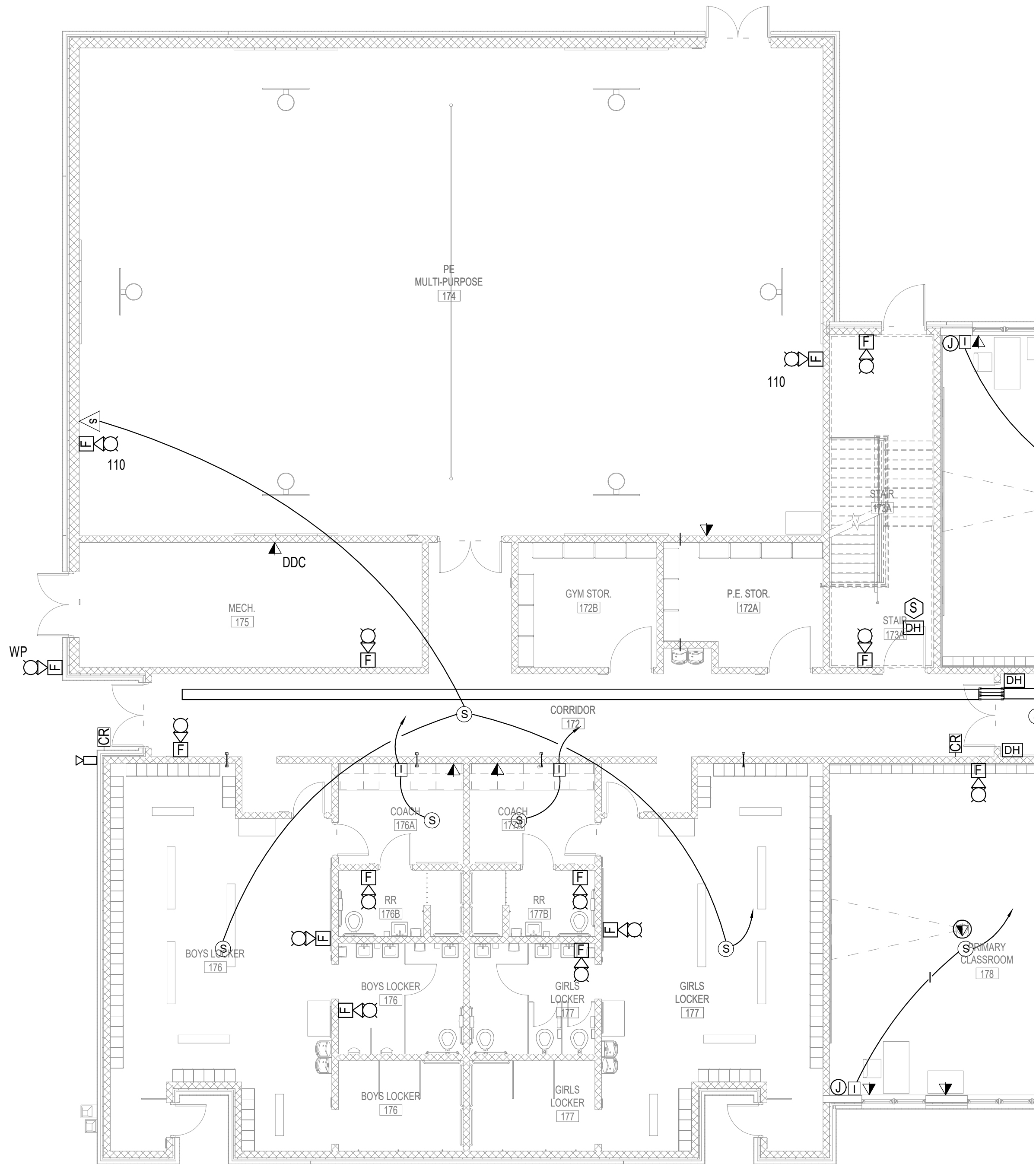
E

D

C

B

A



1 FIRST FLOOR SYSTEMS - AREA E
SCALE: 1/8" = 1'-0"

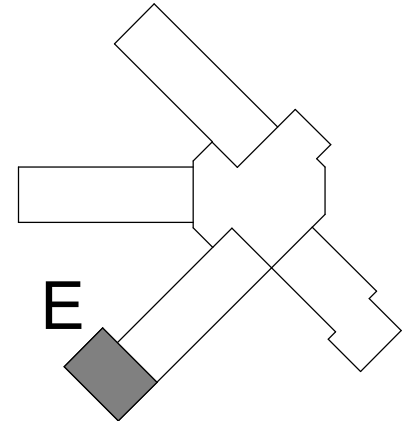


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PHASE III
DOCUMENTS

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CONSTRUCTION

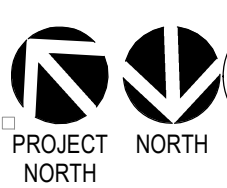
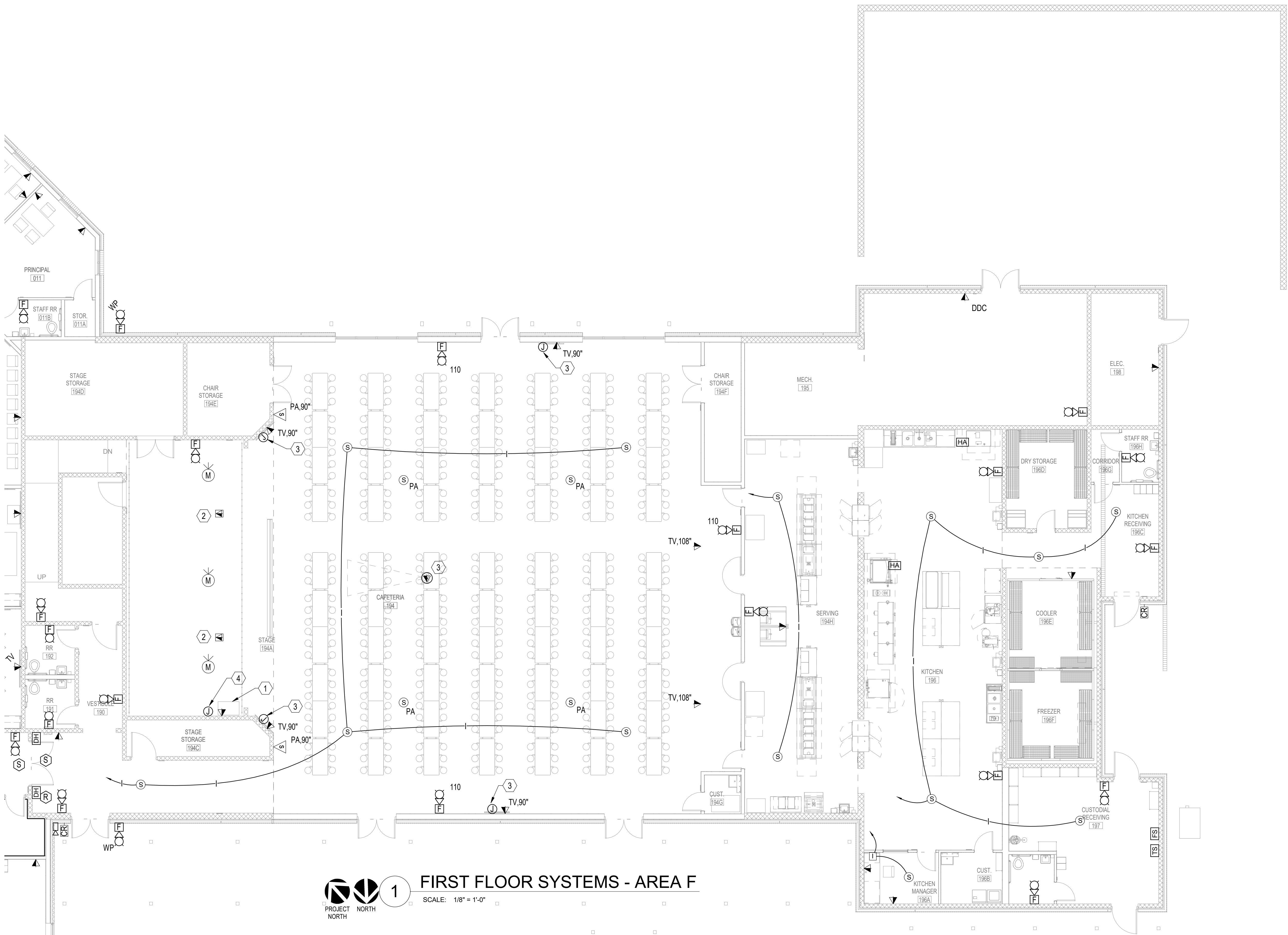
SANTA ROSA COUNTY SCHOOL DISTRICT
SCHOOL A
4910 CHARISMA STREET, MILTON, FL 32570



REVISIONS:		
No.	Description	Date

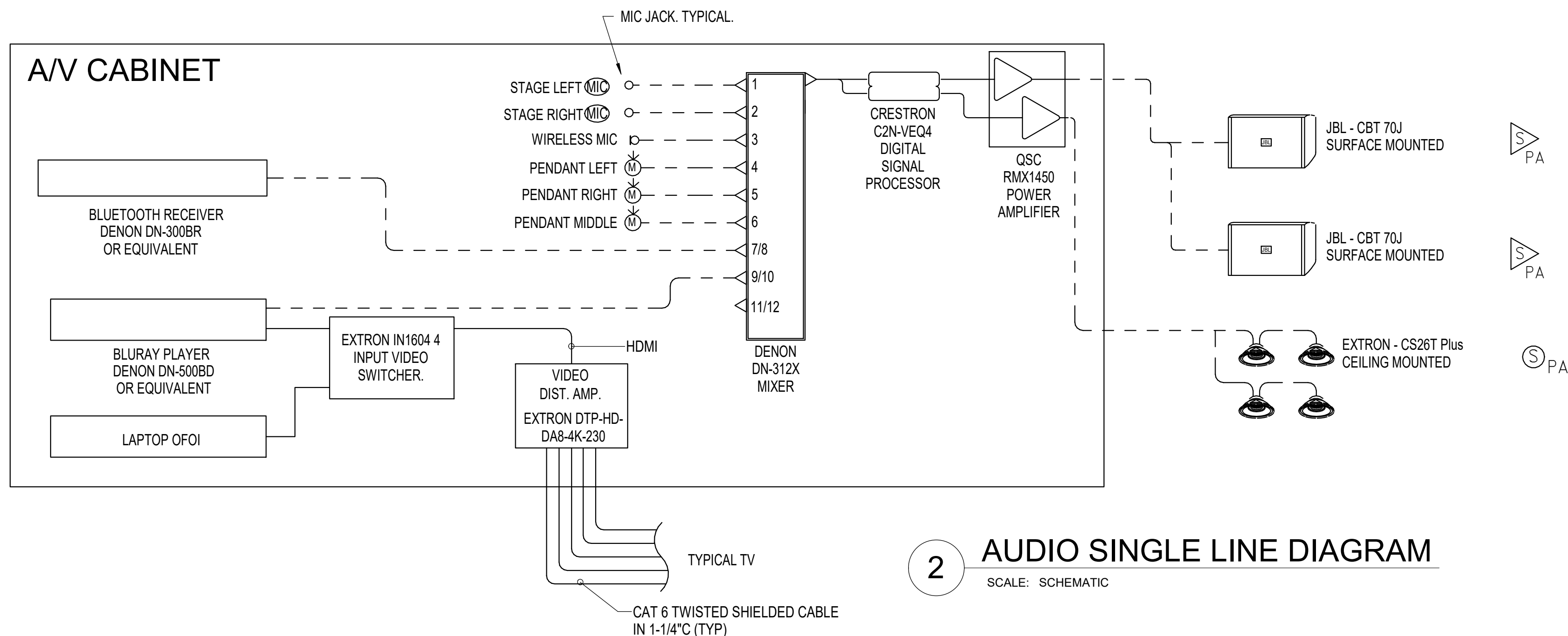
FIRST FLOOR
SYSTEMS - AREA
E

Project Number	20001
Dated	JUNE 2, 2020
Drawn By	JTH
Approved By	TAN
PM	JTH



1 FIRST FLOOR SYSTEMS - AREA F

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



2 AUDIO SINGLE LINE DIAGRAM

SCALE: SCHEMATIC

SHEET NOTES

- 1 AV CABINET. REFER TO AV SINGLE LINE DIAGRAM FOR ADDITIONAL REQUIREMENTS.
- 2 PROVIDE FLOORBOX WITH ROUGH-IN FOR COMMUNICATIONS AND TWO (2) XLR MICROPHONE JACKS. COORDINATE ADDITIONAL REQUIREMENTS WITH POWER DRAWINGS SHEET E306
- 3 PROVIDE A 4X4 JUNCTION BOX WITH SINGLE GANG RING WITH 1-1/4" CONDUIT TO ABOVE ACCESSIBLE CEILING. PROVIDE DM EXTRO DTP-T-HWP-4K-231-D RECIEVER ADJACENT TO RECEPTACLE.
- 4 PROVIDE A THREE GANG RING JUNCTION BOX AT 48" ABOVE STAGE FOR CONNECTION TO EXTRON MLC-226IP CONTROLLER.

DAG

ARCHITECTS

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PHASE III
DOCUMENTS

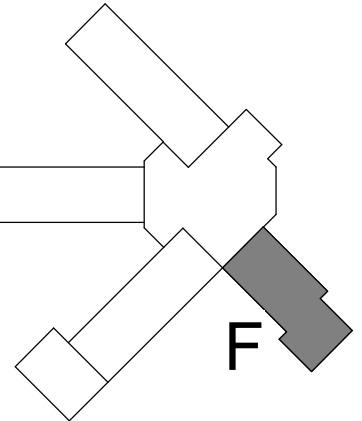
NOT FOR
CONSTRUCTION

SANTA ROSA COUNTY SCHOOL DISTRICT
SCHOOL A

4910 CHARISMA STREET, MILTON, FL 32570

SCHMIDT
CONSULTING GROUP, INC.

FLORIDA LICENSE NUMBER 05371
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SCD project: 2020-104



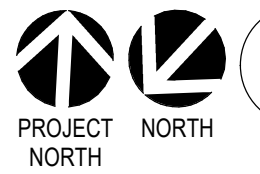
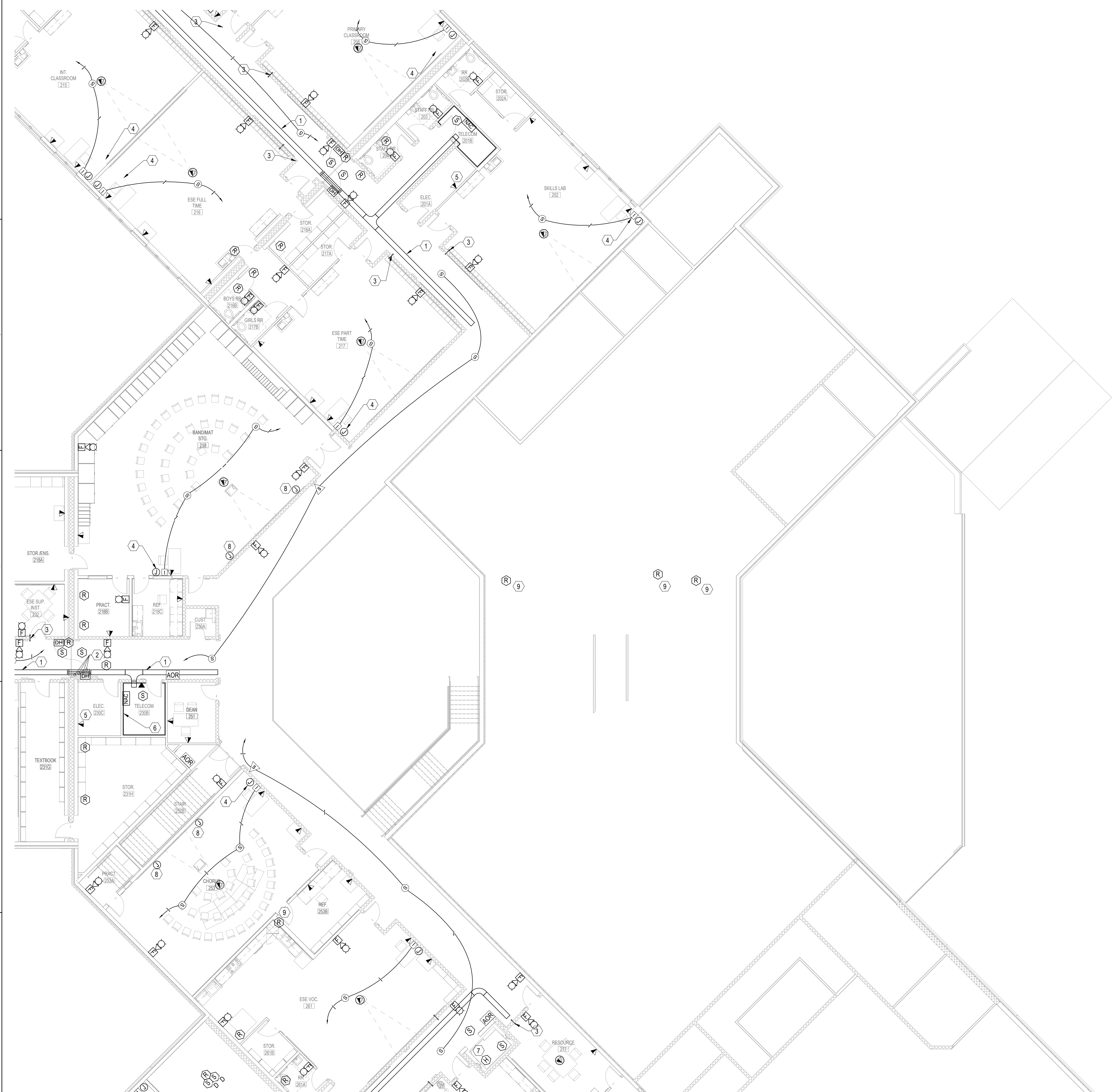
REVISIONS:		
No.	Description	Date

FIRST FLOOR
SYSTEMS - AREA
F

Project Number	20001
Dated	JUNE 2, 2020
Drawn By	JTH
Approved By	TAN
PM	JTH

E406

8' 0' 8' 16'
SCALE: 1/8"=1'-0"



1 SECOND FLOOR SYSTEMS - AREA A

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



SHEET NOTES

- 12" CABLE TRAY, 4" SIDE RAIL WIRE MESH TYPE, SUPPORT WITH HEAVY DUTY BRACKETS 8'-0" ON CENTER, PROVIDE RADIAL SWEEPING TURNS, INSTALL TRAY AT A MINIMUM 8" CLEAR FROM 120V ELECTRICAL, 12" CLEAR FROM MOTORS AND 277V ELECTRICAL, REFER TO CABLE TRAY CLEARANCE DETAIL.
- PROVIDE FOUR 4" MECHANICAL EZ-PATH SLEEVES ABOVE ACCESSIBLE CEILING.
- PROVIDE ONE 2" SLEEVE ABOVE ACCESSIBLE CEILING, SLEEVE SHALL MEET OR EXCEED RATING OF WALL.
- PROVIDE 2-GANG JUNCTION BOX MEASURING 4-11/16" x 4-11/16" x 3-1/4" AT 18" AFF WITH BLANK COVER PLATE (COLOR TO MATCH POWER), STUB UP 2" TO ABOVE CEILING, PROVIDE PULL STRING.
- COORDINATE LOCATION FOR OUTLET ROUGH-IN WITH ELECTRICAL CONTRACTOR.
- PLYWOOD BACKBOARD, ROUGH ALL ELECTRICAL OUTLETS IN BACKBOARD FOR FLUSH MOUNT INSTALLATION OF FACEPLATES, BACKBOARDS SHALL BE 3/4" THICK AB GRADE PLYWOOD, COUNTERSINK ALL SCREWS, PAINT ALL SURFACES WITH TWO COATS OF FIRE-RETARDANT PAINT, LIGHT GRAY IN COLOR, FINAL SURFACE SHALL BE UNIFORMLY SMOOTH AND EVEN, TOUCH UP AT END OF PROJECT, COORDINATE WORK WITH ELECTRICAL CONTRACTOR TO ENSURE THAT POWER RECEPTACLES ARE PROPERLY LOCATED AND WITH FACEPLATES FLUSH ON FACE OF BACKBOARD, TOP OF BACKBOARD SHALL BE MOUNTED AT 76" AFF AND BOTTOM OF BACKBOARD SHALL BE 6" AFF.
- PROVIDE RELAY FOR PRIMARY LEVEL RECALL, ALTERNATE LEVEL RECALL, FIRE HAT FLASH, SHUNT TRIP, AND SHUNT TRIP SUPERVISORY.
- PROVIDE 2-GANG JUNCTION BOX MEASURING 4-11/16" x 4-11/16" x 3-1/4" AT 18" AFF WITH BLANK COVER PLATE (COLOR TO MATCH POWER), STUB UP 2" TO ABOVE CEILING, PROVIDE PULL STRING.
- PROVIDE FIRE ALARM RELAY FOR SMOKE DAMPER.

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PHASE III
DOCUMENTS

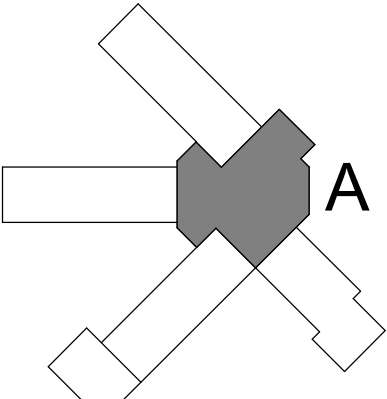
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CONSTRUCTION

SANTA ROSA COUNTY SCHOOL DISTRICT
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SCG project: 2020-104

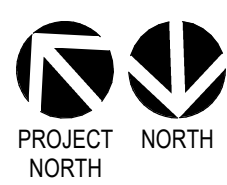
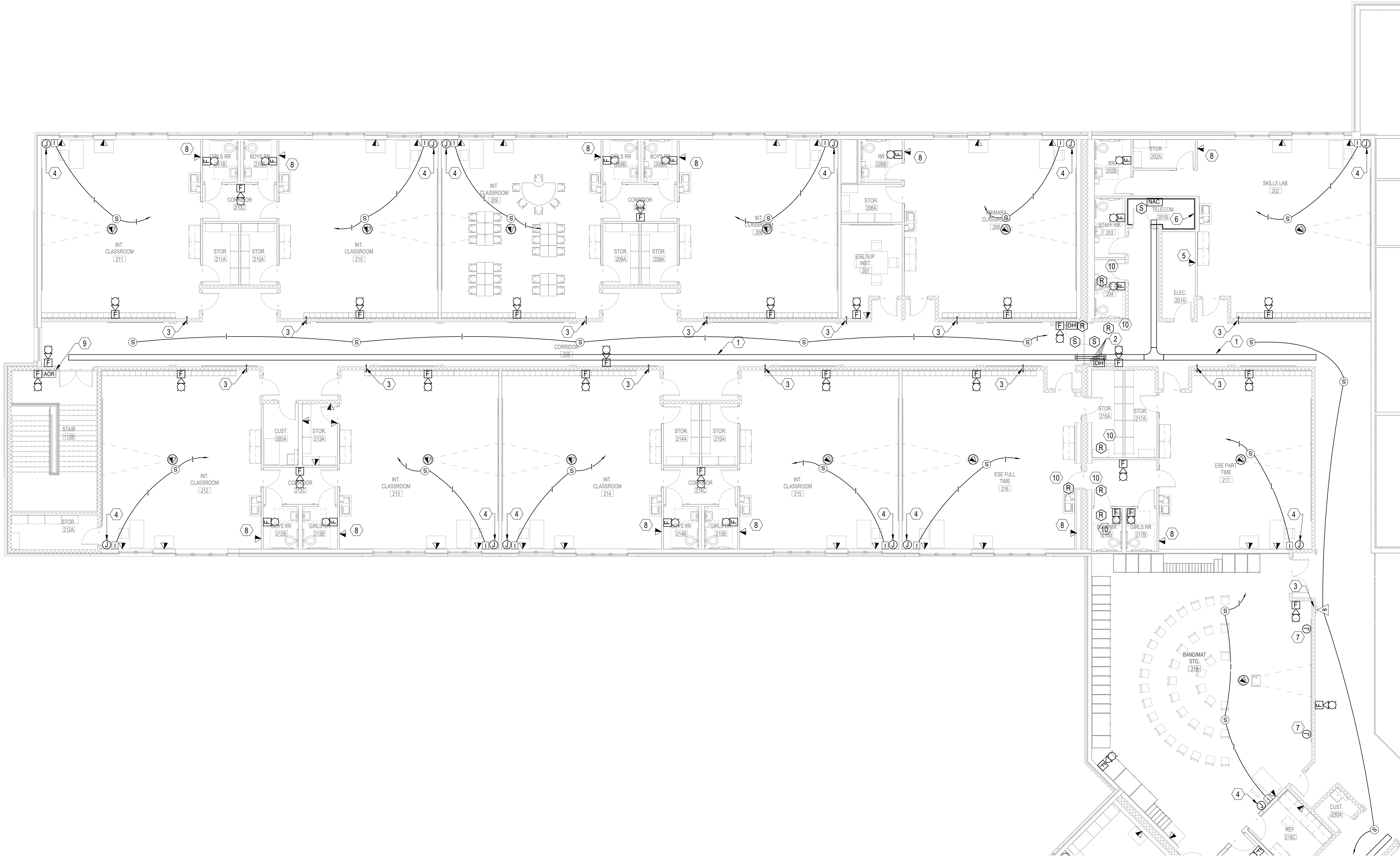


REVISIONS:		
No.	Description	Date

SECOND FLOOR
SYSTEMS - AREA
A

Project Number	20001
Dated	JUNE 2, 2020
Drawn By	JTH
Approved By	TAN
PM	JTH

E411



1

SECOND FLOOR SYSTEMS - AREA B

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

SHEET NOTES

- 12" CABLE TRAY, 4" SIDE RAIL WIRE MESH TYPE. SUPPORT WITH HEAVY DUTY BRACKETS 8'-0" ON CENTER. PROVIDE RADIAL SWEEPING TURNS. INSTALL TRAY AT A MINIMUM 8" CLEAR FROM 120V ELECTRICAL. 12" CLEAR FROM MOTORS AND 277V ELECTRICAL. REFER TO CABLE TRAY CLEARANCE DETAIL.
- PROVIDE FOUR 4" MECHANICAL EZ-PATH SLEEVES ABOVE ACCESSIBLE CEILING.
- PROVIDE ONE 2" SLEEVE ABOVE ACCESSIBLE CEILING. SLEEVE SHALL MEET OR EXCEED RATING OF WALL.
- PROVIDE 2-GANG JUNCTION BOX MEASURING 4-11/16" x 4-11/16" x 3-1/4" AT 18" AFF WITH BLANK COVER PLATE (COLOR TO MATCH POWER). STUB UP 2" TO ABOVE CEILING, PROVIDE PULL STRING.
- COORDINATE LOCATION FOR OUTLET ROUGH-IN WITH ELECTRICAL CONTRACTOR.
- PLYWOOD BACKBOARD, ROUGH ALL ELECTRICAL OUTLETS IN BACKBOARD FOR FLUSH MOUNT INSTALLATION OF FACEPLATES. BACKBOARDS SHALL BE 3/4" THICK AB GRADE PLYWOOD. COUNTERSINK ALL SCREWS. PAINT ALL SURFACES WITH TWO COATS OF FIRE-RETARDANT PAINT, LIGHT GRAY IN COLOR. FINAL SURFACE SHALL BE UNIFORMLY SMOOTH AND EVEN. TOUCH UP AT END OF PROJECT. COORDINATE WORK WITH ELECTRICAL CONTRACTOR TO ENSURE THAT POWER RECEPTACLES ARE PROPERLY LOCATED AND WITH FACEPLATES FLUSH ON FACE OF BACKBOARD. TOP OF BACKBOARD SHALL BE MOUNTED AT 76" AFF AND BOTTOM OF BACKBOARD SHALL BE 6" AFF.
- PROVIDE 2-GANG JUNCTION BOX AT 8" AFF FOR SPEAKER ROUGH-IN. STUB UP 3/4" CONDUIT TO ABOVE CEILING. PROVIDE PULL STRING.
- COORDINATE EXACT LOCATION OF DATA CONNECTION WITH MECHANICAL FAN COIL UNITS PRIOR TO ROUGH-IN.
- PROVIDE AREA OF REFUGE CALL BOX EQUAL TO RATH 2100-958SSRC2 CALL BOX WITH COVER. MOUNT AT 48" AFF TO CALL BUTTON. PROVIDE SIGNAGE EQUAL TO RATH 7048SS MOUNTED AT SAME HEIGHT OF CALL BOX. PROVIDE ALL REQUIRED CABLING AND POWER SUPPLIES FOR OPERATION SYSTEM.
- PROVIDE FIRE ALARM RELAY FOR SMOKE DAMPER.

8' 0' 8' 16'
SCALE: 1/8"=1'-0"

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PHASE III
DOCUMENTS

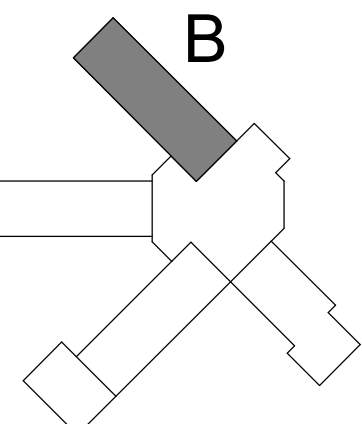
NOT FOR
CONSTRUCTION

SANTA ROSA COUNTY SCHOOL DISTRICT
SCHOOL A

4910 CHARISMA STREET, MILTON, FL 32570



SCHMIDT
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TODD NICHOLSON P.E.
FLORIDA LICENSE NUMBER 69882
SCD project: 2020-104



REVISIONS:		
No.	Description	Date

SECOND FLOOR
SYSTEMS - AREA
B

Project Number	20001
Dated	JUNE 2, 2020
Drawn By	JTH
Approved By	TAN
PM	JTH

E412



1 ENLARGED KITCHEN PLAN
SCALE: 1/4" = 1'-0"

KITCHEN EQUIPMENT ELECTRICAL SCHEDULE

ITEM #	DESCRIPTION	VOLTAGE/	MCA	LOAD KW	WIRING	MEANS OF DISCONNECT	CIRCUIT BREAKER	SERVING PANEL	MOUNTING HEIGHT	NOTES
1	PASS-THRU REFRIDGERATOR	120/1	9	0.9	3#12.#12G,1/2"C	NEMA 5-20R	20	2NE1	90"	1,4,5
2	PASS-THRU HEATED CABINET	208/120/1	9.75	1.6	3#12.#12G,1/2"C	NEMA L14-20P	20	2KP1	90"	1,4,5
4	PASS-THRU HEATED CABINET	208/120/1	9.75	1.6	3#12.#12G,1/2"C	NEMA L14-20P	20	2KP1	90"	1,4,5
5	COMBI OVEN	480/3	28.6	19.0	3#10.#10G,1/2"C	C/B	30	4KP2	NOTE 1	1,7
6	RANGE	480/3	9	4.0	3#12.#12G,1/2"C	C/B	20	4KP2	NOTE 1	1,7
7	CONVECTION OVEN	480/3	17.5	11.0	3#12.#12G,1/2"C	C/B	20	4KP2	NOTE 1	1,7
7A	FUTURE CONVECTION OVEN	480/3	17.5	11.0	3#12.#12G,1/2"C	C/B	20	4KP2	NOTE 1	1,7
8	TILTING SKILLET	480/3	24.1	16.0	3#10.#10G,1/2"C	C/B	30	4KP2	NOTE 1	1,7
11	ICE CUBER	120/1	13.5	1.3	2#12.#12G,1/2"C	NEMA 5-20R	20	2KP1	NOTE 1	1,4,5
12	BLAST CHILLER	120/1	20	1.9	2#12.#12G,1/2"C	NEMA 5-20R	20	2NE1	48"	1,4,5
13	MEAT SLICER	120/1	6.7	0.7	2#12.#12G,1/2"C	NEMA 5-20R	20	2KP1	48"	1,4,5
14	PLANETARY MIXER	208/1	15	1.0	3#12.#12G,1/2"C	C/B	20	2KP1	NOTE 1	1,7
16.1	SINK DISPOSER	208/3	9.3	2.7	3#12.#12G,1/2"C	C/B	20	4KP1	NOTE 1	1,7
17	FOOD PROCESSOR	120/1	10.6	1.0	2#12.#12G,1/2"C	NEMA 5-20R	20	2KP1	48"	1,4,5
20	HOT FOOD WELL	120/1	12.5	1.2	2#12.#12G,1/2"C	NEMA 5-20R	20	2KP1	48"	1,4,5
21	REF. COLD FOOD TABLE	120/1	9.5	0.9	2#12.#12G,1/2"C	NEMA 5-20R	20	2KP1	48"	1,4,5
22.2	SINK HEATER	480/3	13.5	9.0	3#12.#12G,1/2"C	C/B	20	4KP1	NOTE 1	1,7
24	DISHWASHER	480/3	43.6	29.0	3#6.#10G,1"C	C/B	45	4KP1	NOTE 1	1,7
26	WALK IN COOLER FREEZER	208/3	37	12.0	4#8.#10G,3/4"C	NOTE 8	40	2NE1	NOTE 7	8
37	HOT FOOD SERVING TABLE	208/1	21	3.5	3#10.#10G,1/2"C	NEMA 6-30R	30	-	NOTE 6	1,4,5
38	HOT/COLD COMBO TABLE	208/120/1	34	5.7	3#8.#10G,3/4"C	NEMA 14-50R	50	2KP1	NOTE 1	1,4,5
39	MILK COOLER	120/1	9.25	0.9	2#12.#12G,1/2"C	NEMA 5-20R	20	2NE1	18"	1,4,5
42	AIR CURTAIN	120/1	5.2	0.5	2#12.#12G,1/2"C	NEMA 5-20R	20	2KP1	90"	1,4,5
44	REFRIGERATED SELF SERVICE	120/1	19	1.8	2#12.#12G,1/2"C	NEMA 5-20R	20	2NE1	48"	1,4,5
50	REFRIGERATED SELF SERVICE	120/1	19	1.8	2#12.#12G,1/2"C	NEMA 5-20R	20	2NE1	48"	1,4,5
51	ICE CREAM FREEZER	120/1	19	1.8	2#12.#12G,1/2"C	NEMA 5-20R	20	2NE1	48"	1,4,5

NOTES:

- COORDINATE EXACT MOUNTING LOCATION WITH ARCHITECT AND EQUIPMENT INSTALLER PRIOR TO ANY ROUGH-IN.
- PROVIDE FINAL CONNECTION TO EQUIPMENT WITH WEATHERPROOF FLEX CONDUIT. PROVIDE ALL NECESSARY CONNECTIONS FOR PROPER OPERATION OF EQUIPMENT.
- PROVIDE CIRCUIT BREAKER IN SERVING ELECTRICAL PANEL TO SERVE AS EQUIPMENT DISCONNECT.
- COORDINATE RECEPTACLE TYPE WITH EQUIPMENT PROVIDED.
- PROVIDE AND INSTALL CORD AND PLUG AS NECESSARY.
- SERVING TABLE ITEM #37 PLUGS INTO NEMA 6-30R RECEPTACLE LOCATED AND PROVIDED WITH ITEM #38.
- PROVIDE LOCKABLE CIRCUIT BREAKER IN SERVING ELECTRICAL PANEL TO SERVE AS EQUIPMENT DISCONNECT.
- DISCONNECT PROVIDED BY FACTORY INTEGRAL TO EQUIPMENT. PROVIDE ALL NECESSARY CONNECTIONS AND WIRING TO COMPRESSORS, COILS, THERMOSTATS, SOLENOIDS, LIGHTING FIXTURES IN FREEZER, DOOR HEATERS, AND DRAIN DEFROST CABLE AT WALK-INS. CONDUIT SHALL BE RIGID AND ALL CONNECTIONS SHALL BE AIR AND WATER TIGHT

SHEET NOTE

- KITCHEN SHUTDOWN SWITCH. PROVIDE PUSH ON/PULL OFF RED MUSHROOM STYLE SWITCH IN PLASTIC ENCLOSURE FOR CONTROL OF SHUN TRIP BREAKER IN ELECTRICAL PANEL 4KP2. PROVIDE RED PHENOLIC NAME PLATE ABOVE BUTTON THAT READS "EMERGENCY SHUT-DOWN" IN 1" BLACK LETTERS.
- PROVIDE A MOMENTARY NORMALLY OPEN PUSH BUTTON FLUSH MOUNTED IN WALL AT 48" AFF. PROVIDE WITH STAINLESS STEEL COVER PLATE AND PHENOLIC NAME PLATE ABOVE BUTTON THAT READS "PUSH TO RING BELL". THIS "DELIVERY" BUTTON SHALL ACTIVATE THE BELL IN NOTE 3. CONNECT AS REQUIRED.
- PROVIDE 120VAC BELL MOUNTED 6" BELOW CEILING. CONNECT TO PUSH BUTTON (SEE NOTE 2) AND TO RECEPTACLE CIRCUIT FOR POWER CONNECTION. EDWARDS BELL #340A.
- EXACT LOCATION FOR EQUIPMENT IN WALK-IN COOLER/FREEZER SHALL BE COORDINATED WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN. PROVIDE ALL NECESSARY CONNECTIONS AND WIRING TO COMPRESSORS, COIL, THERMOSTATS, SOLENOIDS, LIGHTING FIXTURES, DOOR HEATERS, DRAIN LINES, AND DOOR DEFROST. CONDUIT SHALL BE RIGID. ALL CONNECTIONS SHALL BE AIR AND WATER TIGHT. SEAL CONDUIT AIR TIGHT AND INSULATE 5" OUTSIDE OF COOLER/FREEZER.
- DOOR SWITCH (PROVIDED WITH FLY FAN) FOR CONTROL OF FLY FAN. COORDINATE ROUGH-IN AND WIRING REQUIREMENTS WITH EQUIPMENT.
- PROVIDE NEMA 14-30R RECEPTACLE FOR CONNECTION ELECTRIC DRYER. HOMERUN SHALL BE 3#10.#10G,3/4"C
- COORDINATE EXACT LOCATION OF COMMUNICATIONS ROUGH-IN WITH WALK-IN FREEZER EQUIPMENT.
- ALUMINUM SERVICE POLE WITH RECEPTACLES AS INDICATED. COORDINATE CONNECTION TYPE WITH EQUIPMENT SUPPLIED. SERVICE POLE PROVIDED AS PART OF KITCHEN EQUIPMENT.
- PROVIDE (2) TWO 3/4" CONDUITS FROM OUTSIDE UNIT TO EACH EVAPORATOR. PROVIDE (1) ONE 3/4" CONDUIT TO FREEZER FOR CONTROL WIRING. COORDINATE ALL ELECTRICAL AND CONTROL REQUIREMENTS WITH MANUFACTURER AND EQUIPMENT CUTSHEETS PRIOR TO ROUGH-IN. ELECTRICAL CONTRACTOR SHALL ENSURE WATER TIGHT SEAL ON INSIDE AND OUTSIDE OF FREEZER AND COOLER. PROVIDE 50A/3 POLE CIRCUIT BREAKER IN PANEL 2NE1. PROVIDE NEMA 3R 60A/3 POLE HEAVY DUTY SAFETY SWITCH. HOMERUN SHALL BE 3#8.#10G,3/4"C

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ARCHITECTS

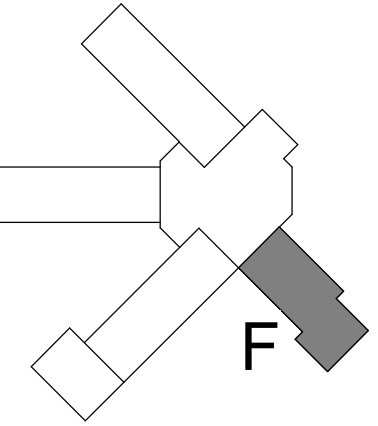
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40 South Palatka Place, Suite 201
Pensacola, Florida 32502
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PHASE III
DOCUMENTS

NOT FOR
CONSTRUCTION

SANTA ROSA COUNTY SCHOOL DISTRICT
SCHOOL A

SCHMIDT
CONSULTING GROUP, INC.
FLORIDA LICENSE NUMBER 05371
901 W. Garden St. Pensacola, FL 32502
P: 850-438-0200 F: 850-432-9431
TODD NICHOLSON P.E.
FLORIDA LICENSE NUMBER 66882
SCD project: 2020-104



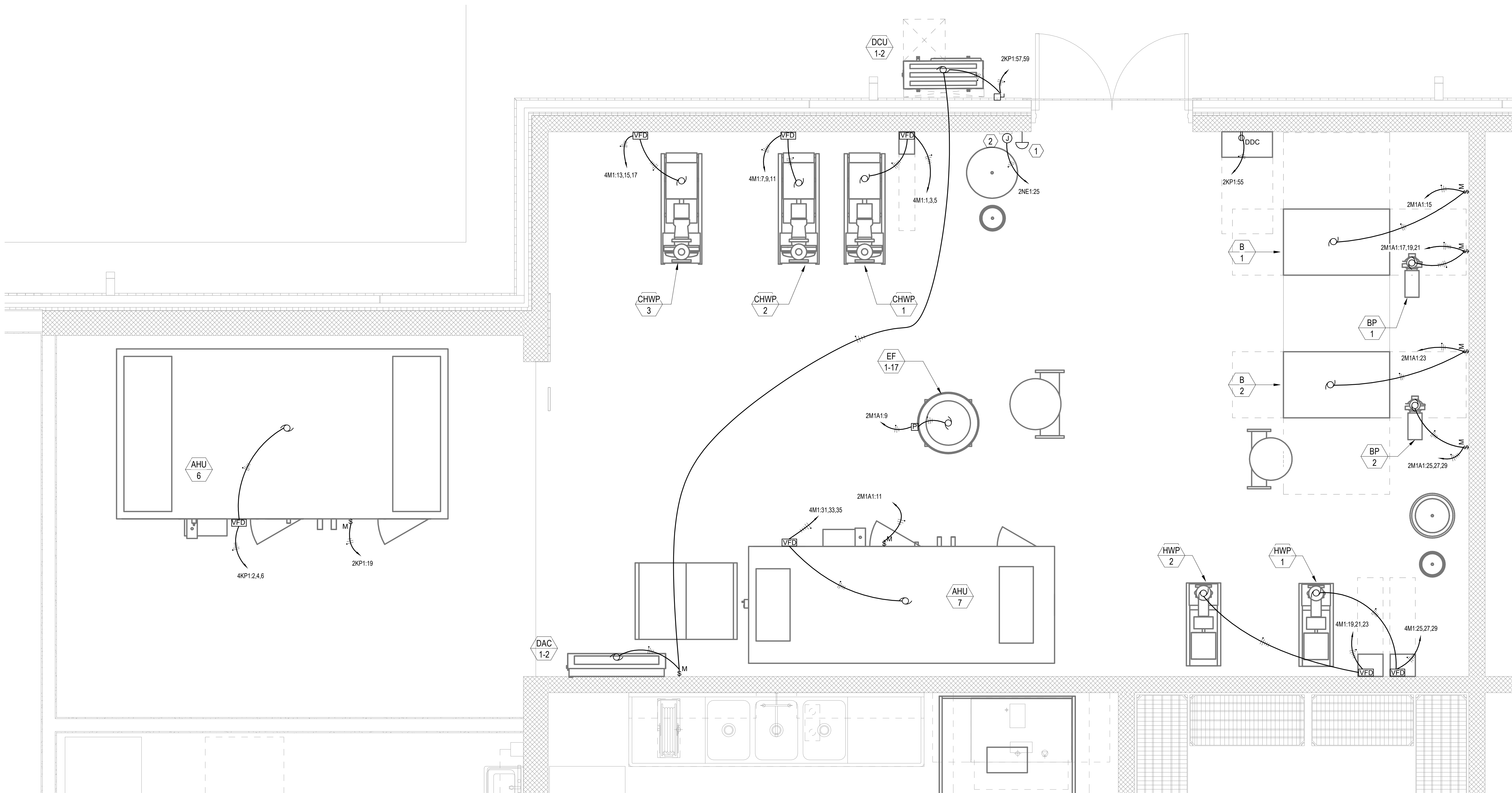
REVISIONS:		
No.	Description	Date

ENLARGED
KITCHEN PLAN

Project Number	20001
Dated	JUNE 2, 2020
Drawn By	JTH
Approved By	TAN
PM	JTH

E501

2' 0' 2' 4'
SCALE: 1/2"=1'-0"



1 ENLARGED MECH RM 193C
SCALE: 1/2" = 1'-0"



SHEET NOTE

- 1 PROVIDE PUSH ON-PUSH OFF RED MUSHROOM STYLE EMERGENCY STOP BUTTON WITH PLASTIC COVER FOR CONNECTION TO EMERGENCY GAS SHUT-OFF. PROVIDE RED SIGN WITH 1" HIGH WHITE LETTERS THAT READS "EMERGENCY GAS SHUT-OFF". COORDINATE EXACT LOCATION AND REQUIREMENTS OF GAS SOLENOID VALVE
- 2 PROVIDE JUNCTION BOX FOR CONNECTION TO AUTOMATIC EMERGENCY SHUT OFF GAS VALVE. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR.

DAG

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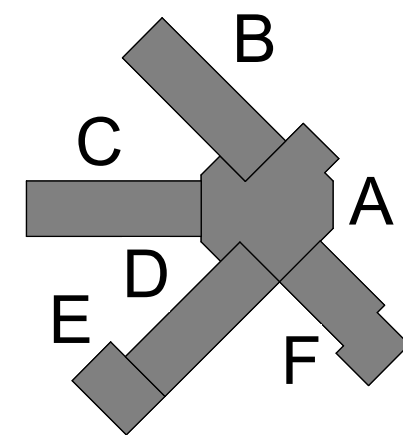
PHASE III
DOCUMENTS

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CONSTRUCTION

SANTA ROSA COUNTY SCHOOL DISTRICT
SCHOOL A

4910 CHARISMA STREET, MILTON, FL 32570

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P: 850-438-0200 F: 850-432-0431
TODD NICHOLSON P.E.
FLORIDA LICENSE NUMBER 96882
SCD project: 2020-104



REVISIONS:		
No.	Description	Date

ENLARGED
ELECTRICAL PLAN

Project Number	20001
Dated	JUNE 2, 2020
Drawn By	JTH
Approved By	TAN
PM	JTH

E502