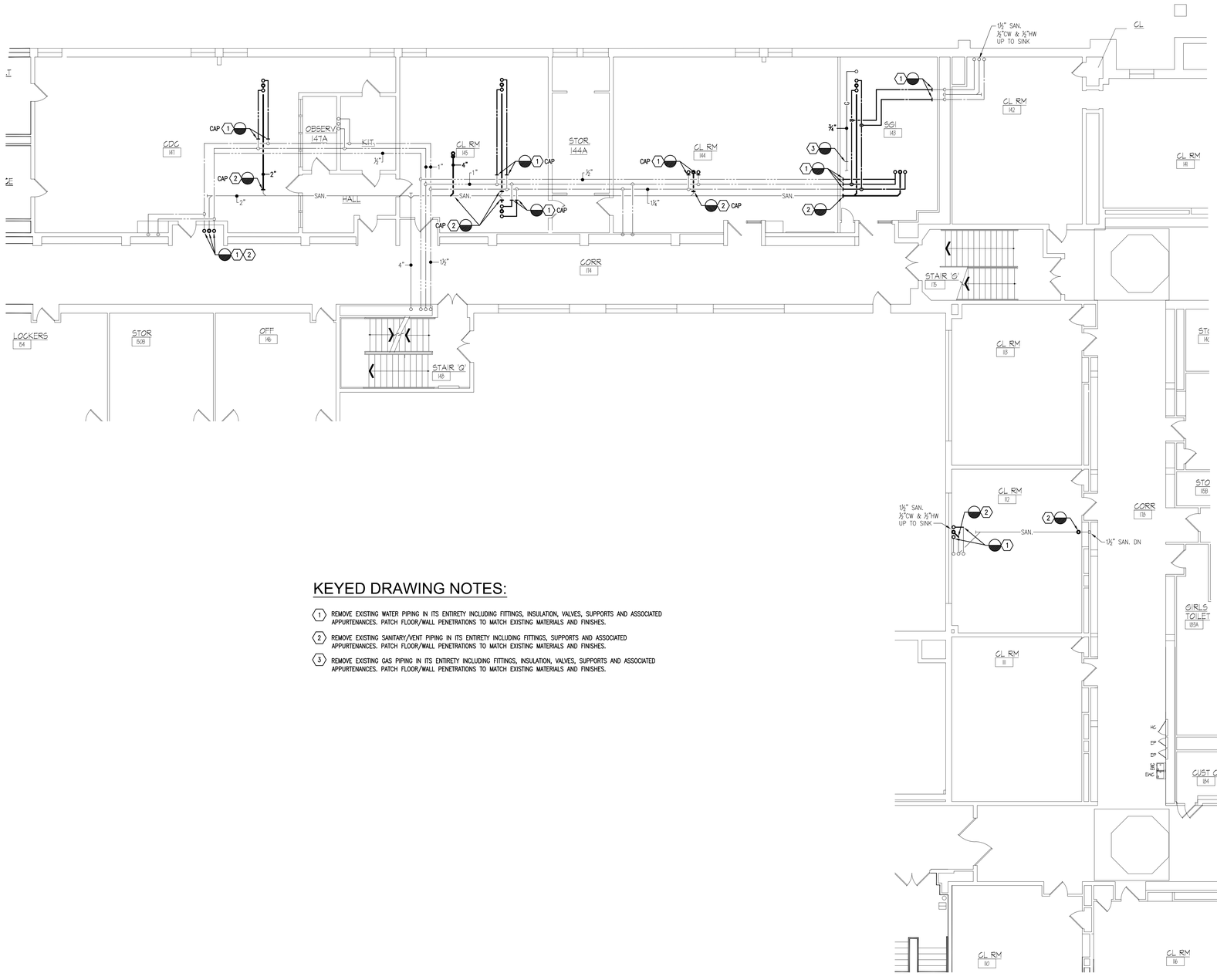
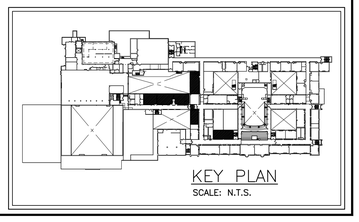


KEYED DRAWING NOTES:

1. REMOVE EXISTING WATER PIPING IN ITS ENTIRETY INCLUDING FITTINGS, INSULATION, VALVES, SUPPORTS AND ASSOCIATED APPURTENANCES. PATCH FLOOR/WALL PENETRATIONS TO MATCH EXISTING MATERIALS AND FINISHES.
2. REMOVE EXISTING SANITARY/VENT PIPING IN ITS ENTIRETY INCLUDING FITTINGS, SUPPORTS AND ASSOCIATED APPURTENANCES. PATCH FLOOR/WALL PENETRATIONS TO MATCH EXISTING MATERIALS AND FINISHES.
3. REMOVE EXISTING GAS PIPING IN ITS ENTIRETY INCLUDING FITTINGS, INSULATION, VALVES, SUPPORTS AND ASSOCIATED APPURTENANCES. PATCH FLOOR/WALL PENETRATIONS TO MATCH EXISTING MATERIALS AND FINISHES.

FIRST FLOOR PLAN - PLUMBING DEMOLITION

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



KEY PLAN
SCALE: N.T.S.

NORTH

REVISIONS

	DATE	DESCRIPTION
1	11/10/26	OWNER REQUESTED REDESIGN

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1 Meridian Boulevard, Suite 2B04
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www.aem-arch.com

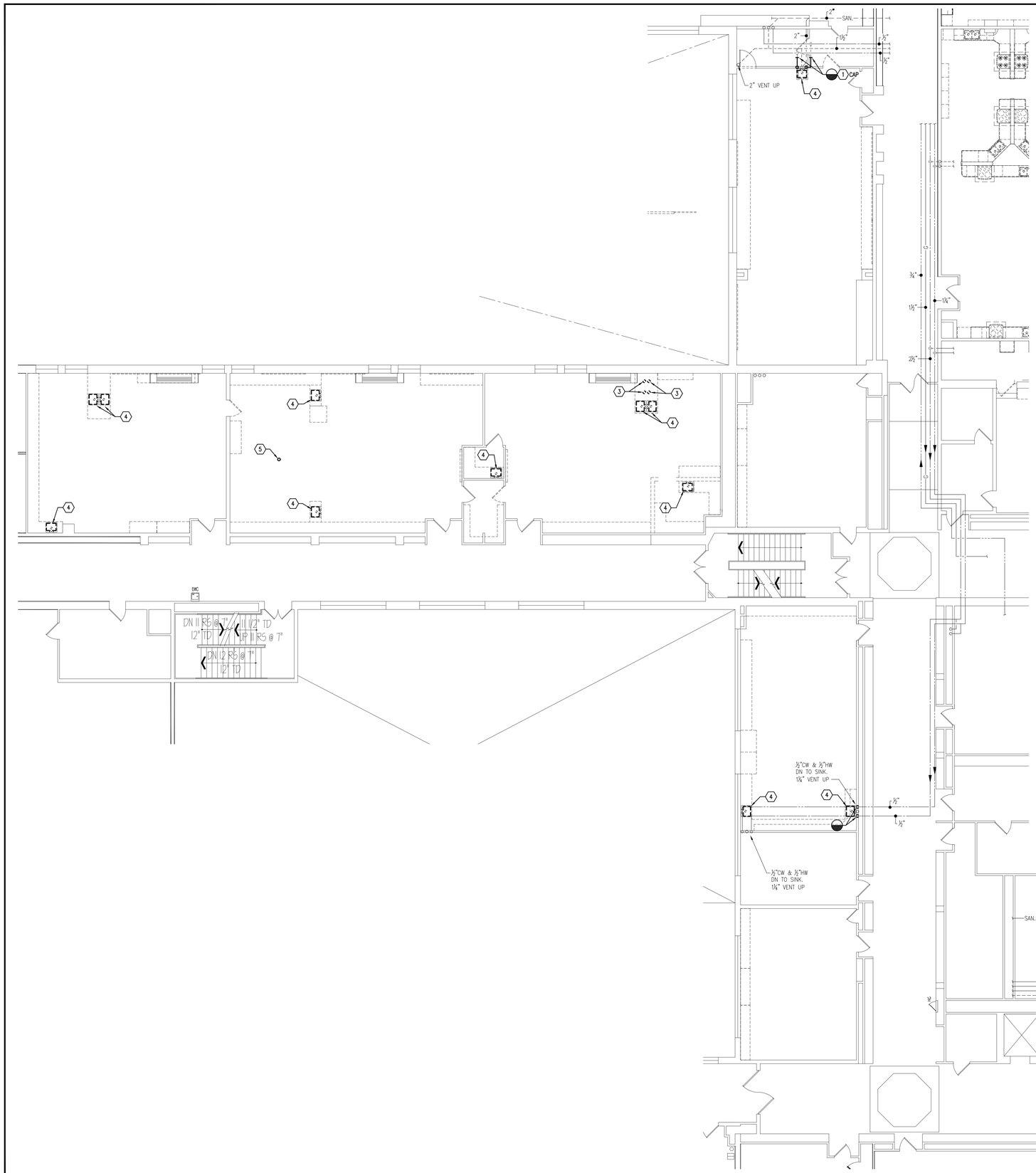
1/8" FIRST FLOOR ART ROOM PLANS - PLUMBING DEMOLITION

RENOVATIONS TO ART ROOMS AND FCS ROOMS at
READING HIGH SCHOOL
READING SCHOOL DISTRICT
801 NORTH 13TH STREET, READING, BERKS COUNTY, PA

ALL DIMENSIONS and EXISTING CONDITIONS shall be CHECKED and VERIFIED by the CONTRACTOR at the SITE

JOB NO.: 26007.00
DRAWN BY: DER
DATE: 10.16.26

P-1

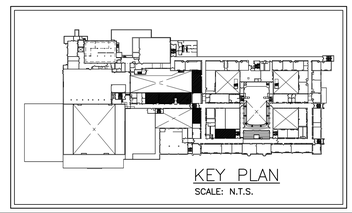


KEYED DRAWING NOTES:

1. REMOVE EXISTING WATER PIPING IN ITS ENTIRETY INCLUDING FITTINGS, INSULATION, VALVES, SUPPORTS AND ASSOCIATED APPURTENANCES. PATCH FLOOR/WALL PENETRATIONS TO MATCH EXISTING MATERIALS AND FINISHES.
2. REMOVE EXISTING SANITARY/VENT PIPING IN ITS ENTIRETY INCLUDING FITTINGS, SUPPORTS AND ASSOCIATED APPURTENANCES. PATCH FLOOR/WALL PENETRATIONS TO MATCH EXISTING MATERIALS AND FINISHES.
3. REMOVE EXISTING GAS COUNTERTOP FIXTURE IN ITS ENTIRETY INCLUDING PIPING, FITTINGS, INSULATION, VALVES, SUPPORTS AND ASSOCIATED APPURTENANCES. PATCH FLOOR/WALL PENETRATIONS TO MATCH EXISTING MATERIALS AND FINISHES.
4. REMOVE EXISTING SINK IN ITS ENTIRETY INCLUDING SANITARY, VENT, COLD & HOT WATER PIPING, INSULATION, CARRIER SUPPORTS, FAUCET, FITTINGS AND ASSOCIATED APPURTENANCES. PATCH FLOOR/WALL PENETRATIONS TO MATCH EXISTING MATERIALS AND FINISHES.
5. REMOVE EXISTING FLOOR DRAIN IN ITS ENTIRETY INCLUDING SANITARY, TRAP PRIMER, SUPPORTS, HANGERS AND ASSOCIATED APPURTENANCES. COORDINATE FLOOR PENETRATION WITH NEW FLOOR DRAIN. MODIFY FLOOR OPENING AS NECESSARY FOR INSTALLATION OF NEW FLOOR DRAIN.

SECOND FLOOR PLAN - PLUMBING DEMOLITION

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



KEY PLAN
SCALE: N.T.S.

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1/8" SECOND FLOOR ART ROOM PLANS - PLUMBING DEMOLITION

RENOVATIONS TO ART ROOMS AND FCS ROOMS at
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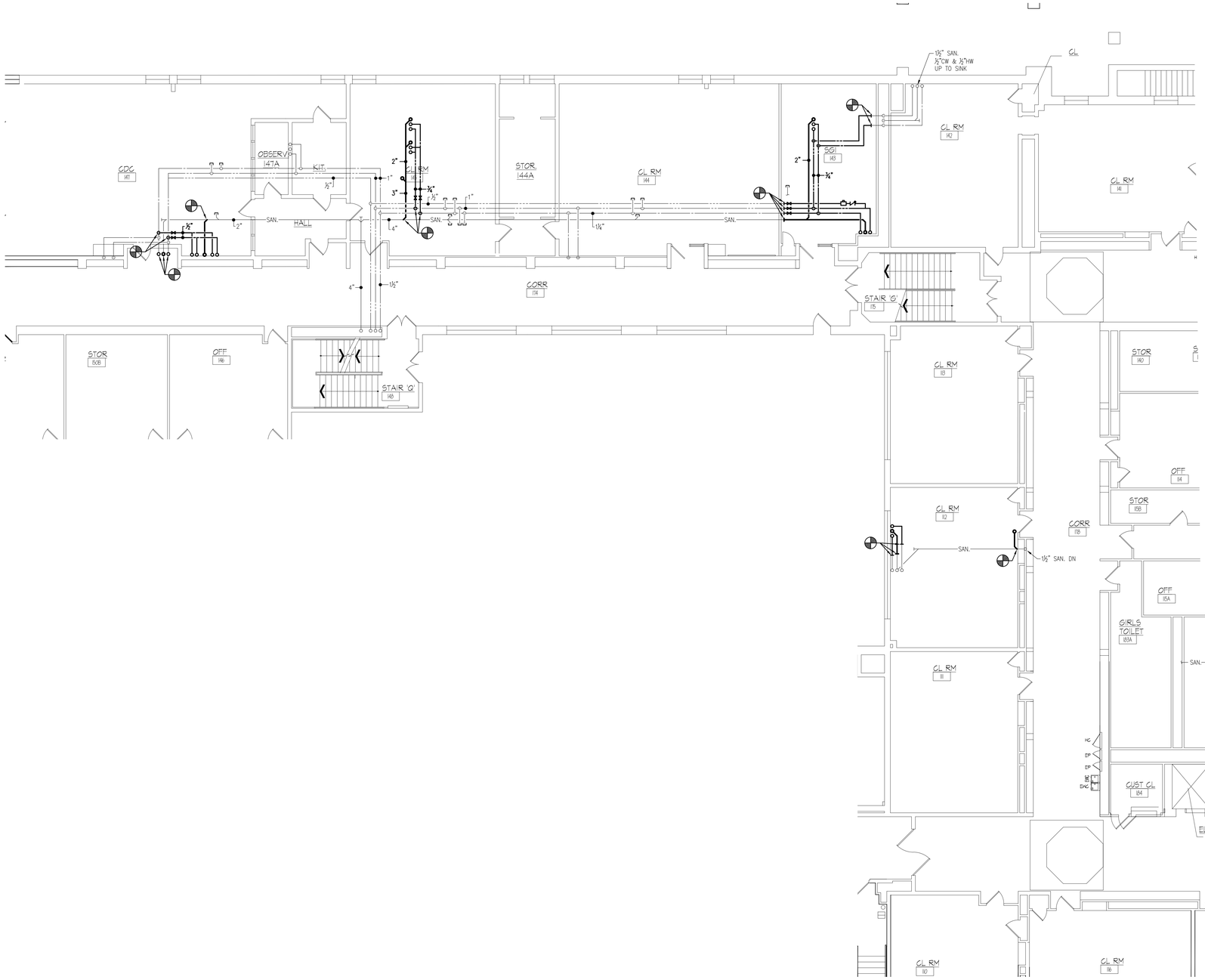
P-2

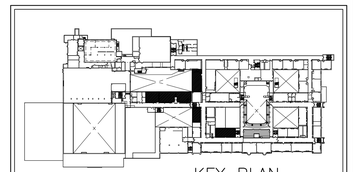


KEYED DRAWING NOTES:

1. CUT AND PATCH EXISTING WALL TO ACCESS THE EXISTING SANITARY PIPING. CONTRACTOR TO PATCH THE WALL TO MATCH EXISTING MATERIALS, LAYERS AND FINISHES.

FIRST FLOOR PLAN - PLUMBING

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



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SCALE: N.T.S.

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1/8" FIRST FLOOR ART ROOM PLANS - PLUMBING

RENOVATIONS TO ART ROOMS AND FCS ROOMS at
READING HIGH SCHOOL
801 NORTH 13TH STREET, READING, BERKS COUNTY, PA

AE DRAWINGS and EXISTING CONDITIONS shall be CHECKED and VERIFIED by the CONTRACTOR in the FIELD.

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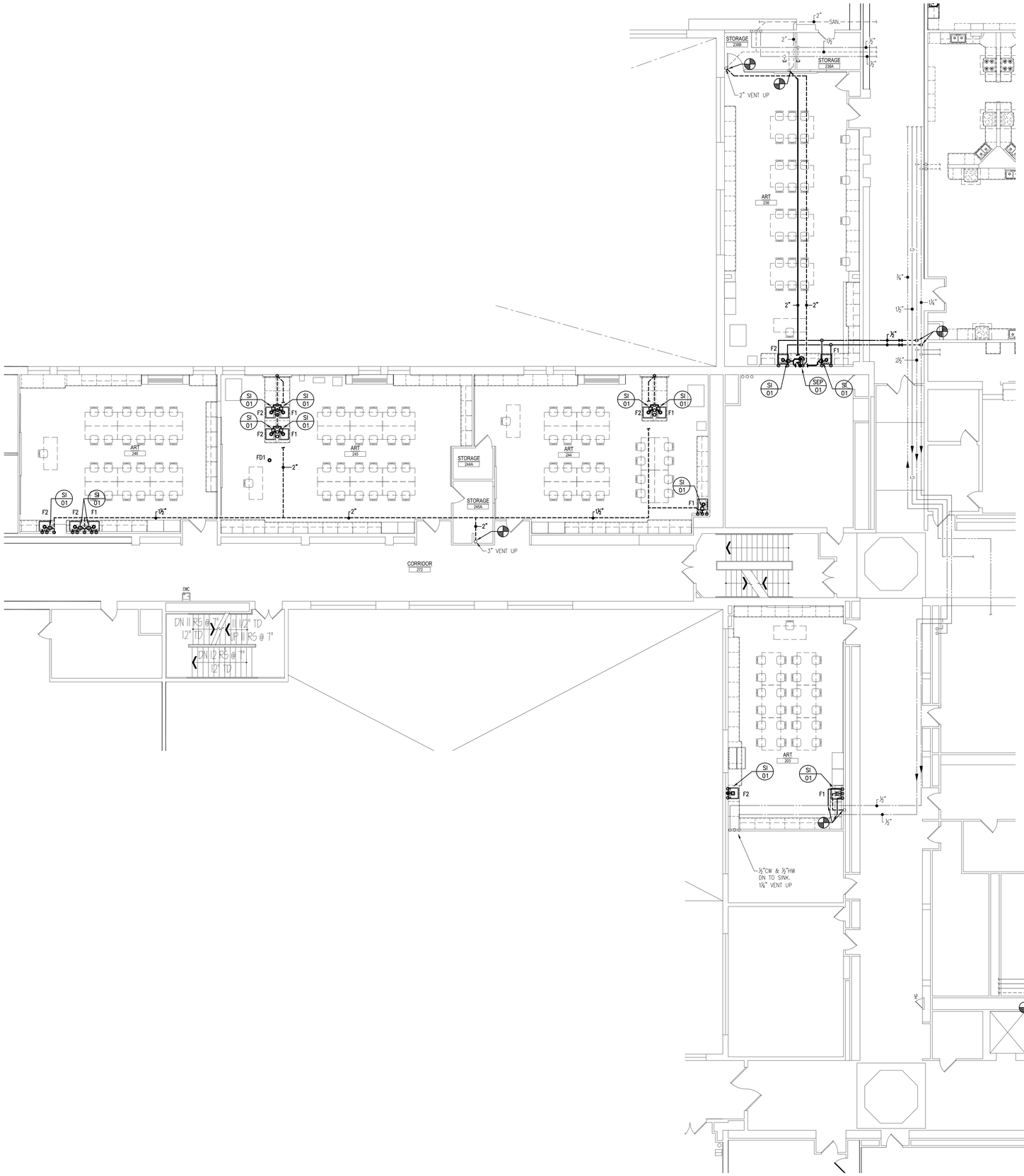
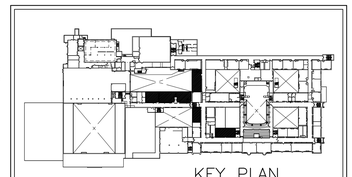
DRAWN BY: DER
DATE: 10.16.26

P-3



SECOND FLOOR PLAN - PLUMBING

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



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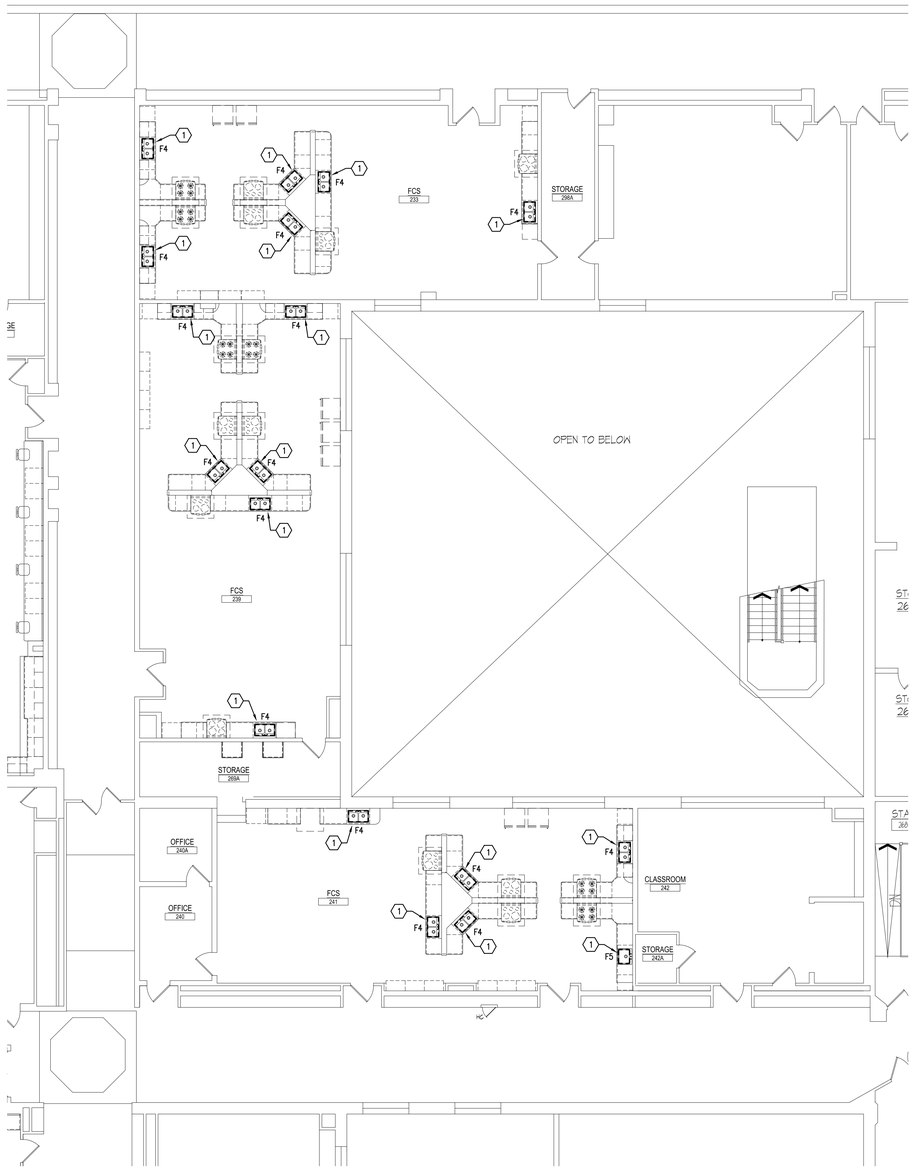
P-4

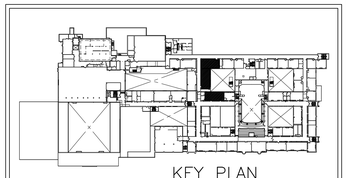


SECOND FLOOR PLAN - PLUMBING

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

KEYED DRAWING NOTES:

1. REMOVE EXISTING SINK IN ITS ENTIRETY INCLUDING SANITARY, VENT, COLD & HOT WATER PIPING, INSULATION, CARRIER SUPPORTS, FAUCET, FITTINGS AND ASSOCIATED APPURTENANCES. PROVIDE NEW SINK AND ASSOCIATED CONNECTIONS, INCLUDING SHUT-OFF VALVES. COORDINATE WITH GENERAL CONTRACTOR'S COUNTERTOP.



KEY PLAN

SCALE: N.T.S.

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1/8" SECOND FLOOR FCS ROOM PLANS - PLUMBING

RENOVATIONS TO ART ROOMS AND FCS ROOMS at
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READING SCHOOL DISTRICT
801 NORTH 13TH STREET, READING, BERKS COUNTY, PA

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P-5

PLUMBING FIXTURE SCHEDULE

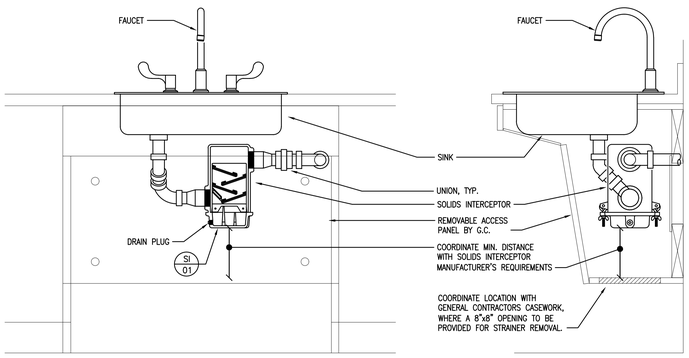
SYMBOL	FIXTURE	C.W.	H.W.	SAN.	VENT	TRAP	MOUNTING	RIM HEIGHT	REMARKS
F1	SINGLE BOWL ART SINK – (ADA)	1/2"	1/2"	1-1/2"	1-1/4"	1-1/4" X 1-1/2"	COUNTERTOP	REFER TO ARCH. DWGS.	LEFT REAR DRAIN – MANUAL FAUCET, PROVIDE SOLIDS INTERCEPTOR
F2	SINGLE BOWL ART SINK – (ADA)	1/2"	1/2"	1-1/2"	1-1/4"	1-1/4" X 1-1/2"	COUNTERTOP	REFER TO ARCH. DWGS.	RIGHT REAR DRAIN – MANUAL FAUCET, PROVIDE SOLIDS INTERCEPTOR
F3	–	–	–	–	–	–	–	–	–
F4	DOUBLE BOWL FCS SINK – (ADA)	1/2"	1/2"	1-1/2"	1-1/4"	1-1/4" X 1-1/2"	COUNTERTOP	REFER TO ARCH. DWGS.	REAR CENTER DRAIN – MANUAL FAUCET
F5	SINGLE BOWL FCS SINK – (ADA)	1/2"	1/2"	1-1/2"	1-1/4"	1-1/4" X 1-1/2"	COUNTERTOP	REFER TO ARCH. DWGS.	REAR CENTER DRAIN – MANUAL FAUCET
FD1	FLOOR DRAIN	–	–	3"	–	3"	–	–	–

NOTE: ALL SANITARY PIPING LOCATED BELOW GRADE SHALL BE MINIMUM 2" DIAMETER.

FLOOR DRAINS

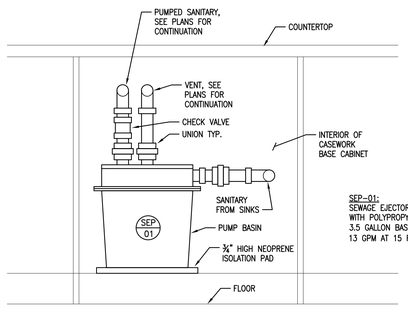
FLOOR DRAIN TYPE DESIGNATIONS AND SIZES ARE INDICATED ON DRAWINGS.

FD1: CAST–IRON BODY, FLASHING COLLAR, NICKEL BRONZE ADJUSTABLE STRAINER WITH SECURED GRATE AND BOTTOM OUTLET. J.R. SMITH MODEL 2005–A OR 2005–B. VERIFY GRATE TYPE WITH FLOOR TYPES FOR EACH LOCATION. USE TYPE A FOR SEAMLESS AREAS AND TYPE B FOR TILED AREAS. PROVIDE PRO–SET TRAP SEAL IN DRAIN OUTLET OR PROVIDE TRAP PRIMER FITTING. PC SHALL ROUTE 1/2" CW FROM PPP, PR–500 TRAP PRIMER VALVE FROM NEAREST CW SUPPLY TO EACH FLOOR DRAIN.



DETAIL - ART ROOM SINK WITH SOLIDS INTERCEPTOR

NO SCALE:



SEP–01:
SEWAGE EJECTOR PUMP EQUAL TO LITTLE GIANT WRSC SERIES WITH POLYPROPYLENE, LIGHTWEIGHT, CORROSION–RESISTANT, 3.5 GALLON BASIN WITH REMOVABLE FILTER, 1/3 HP PUMP, 13 GPM AT 15 FEET OF LIFT, 115V/1PH 10 FT POWER CORD.

DETAIL - SANITARY PUMP IN BASE CABINET

NO SCALE:

ABBREVIATIONS

ABV	ABOVE
APPROX	APPROXIMATELY
ARCH	ARCHITECTURAL
AVTR	ACID VENT THRU ROOF
AV	ACID VENT PIPING
AW	ACID WASTE PIPING
BLW	BELOW
BLDG	BUILDING
CD	CONDENSATE DRAIN
CIP	CAST IRON PIPE
CLG	CEILING
CO	CLEAN OUT
COND	CONDENSATE
CONN	CONNECT
CW	COLD WATER
DN	DOWN
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
EL	ELEVATION
EQUIP	EQUIPMENT
EXIST	EXISTING
EXP	EXPANSION
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN
FLR	FLOOR
GC	GENERAL CONTRACTOR
HW	HOT WATER
HC	HEATING CONTRACTOR
INV	INVERT
IMB	ICE MAKER BOX
LAV	LAVATORY
MH	MAN HOLE
PC	PLUMBING CONTRACTOR
REQ'D	REQUIRED
RWC	RAIN WATER CONDUCTOR
SAN	SANITARY
SH	SHOWER
TYP	TYPICAL
UG	UNDERGROUND
UR	URINAL
V	VENT
VTR	VENT THRU ROOF
WC	WATER CLOSET
WCO	WALL CLEAN OUT
WOB	WASHER SUPPLY BOX

GENERAL NOTES:

1. THE PLUMBING CONTRACTOR SHALL COORDINATE THE SALVAGE AND DISPOSAL OF ALL EQUIPMENT AND MATERIAL WITH THE OWNER. THE PLUMBING CONTRACTOR SHALL RETURN TO THE OWNER ANY ITEMS NOTED OR NOT NOTED, ON THE DRAWINGS, AT THE OWNERS REQUEST. ALL REMAINING EQUIPMENT AND MATERIAL SHALL BE DISPOSED OF BY THE PLUMBING CONTRACTOR.
2. THE CONTRACTOR SHALL COORDINATE AND SCHEDULE ALL WORK IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS AS REQUIRED TO ACCOMMODATE PROJECT PHASING.
3. REFER TO PROJECT PHASING DRAWING AND SCHEDULE. PROVIDE ALL LABOR AND MATERIAL NECESSARY TO ACCOMMODATE PROJECT PHASING.
4. ALL PATCHING & REPAIRING OF SURFACES AND HOLES LEFT OPEN DUE TO DEMOLITION OR REMOVAL OF EXISTING PIPING & EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR. PATCH EXISTING CONSTRUCTION AS REQUIRED TO MATCH ADJACENT SURFACES OR TO RECEIVE NEW FINISHES AS SCHEDULED.
5. THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL CEILING REMOVAL / RE–INSTALLATION, CUTTING, PATCHING, EXCAVATION, BACKFILLING WITHIN THE BUILDING REQUIRED TO COMPLETE ALL INDICATED WORK.
6. ALL EXISTING PIPING AND EQUIPMENT SHOWN MUST BE VERIFIED IN THE FIELD. ANY PLUMBING EQUIPMENT NOT SHOWN SHALL BE BROUGHT TO THE ENGINEERS ATTENTION PRIOR TO REMOVAL.
7. IN AREAS WHERE CEILING REMOVAL IS NOT INDICATED TO BE PERFORMED BY THE GENERAL CONTRACTOR (REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LIMITS OF WORK), THE CONTRACTOR WILL BE RESPONSIBLE TO REMOVE & REINSTALL EXISTING CEILING SYSTEMS. PRIOR TO START OF ANY DEMOLITION WORK, THE CONTRACTOR SHALL PHOTOGRAPH ANY AREAS WITH EXISTING DAMAGE AND NOTIFY THE OWNER PRIOR TO START OF WORK. IN AREAS WHERE ACOUSTICAL CEILINGS ARE PRESENT, CAREFULLY REMOVE AND TEMPORARILY STORE EXISTING ACOUSTICAL CEILING TILE AND ASSOCIATED CEILING TRACK SYSTEM. IN AREAS WHERE PLASTER CEILINGS ARE PRESENT, CUT AND REMOVE EXISTING PLASTER CEILING SYSTEM AS NEEDED TO COMPLETE ALL INDICATED WORK. THE CONTRACTOR WILL BE RESPONSIBLE TO TEMPORARILY SUPPORT ALL EXISTING CEILING DEVICES (LIGHT FIXTURES, SPEAKERS, DETECTORS, SENSORS, ETC.) ONCE ALL INDICATED WORK IS COMPLETE THE CONTRACTOR WILL BE RESPONSIBLE TO RESTORE EXISTING CEILING SYSTEMS AND REINSTALL ALL TEMPORARILY REMOVED EXISTING CEILING DEVICES. THE CONTRACTOR IS TO REPLACE ALL CEILING TILES, SUPPORTS, GRID AND DEVICES THAT WERE DAMAGED AS A RESULT OF THE CONTRACTOR'S WORK.
8. CONTRACTOR TO PROVIDE ALL CUTTING & PATCHING REQUIRED FOR THEIR WORK, UNLESS OTHERWISE INDICATED BY THE GENERAL CONTRACTOR ON THE ARCHITECTURAL DRAWINGS.

PLUMBING LEGEND

(ALL SYMBOLS MAY NOT APPLY TO THIS PROJECT)

- 2–WAY CONTROL VALVE
- MIXING VALVE
- BACKFLOW PREVENTER
- SAFETY RELIEF VALVE
- WATER PRESSURE REDUCING VALVE
- BALL OR BUTTERFLY VALVE
- CALIBRATED BALANCING VALVE
- CHECK VALVE
- STRAINER
- GAS COCK
- GAS REGULATOR
- WATER HAMMER ARRESTOR – SIZE PER PDI STANDARD
- UNION OR FLANGED CONNECTION
- FLEXIBLE PIPE CONNECTION
- FLOW METER
- SOLENOID VALVE
- PRESSURE GAUGE
- THERMOMETER
- WATER METER
- AQUASTAT
- NEEDLE VALVE
- TRAP PRIMER

- DOMESTIC COLD WATER
- DOMESTIC HOT WATER
- DOMESTIC HOT WATER RECIRC.
- 140°F DOMESTIC HOT WATER
- 140°FR DOMESTIC HOT WATER RECIRC.
- SANITARY WASTE
- SANITARY WASTE – UNDERGROUND
- SANITARY VENT
- AW ACID WASTE
- AV ACID WASTE VENT
- G NATURAL GAS PIPING
- G DOUBLE WALL CONTAINMENT GAS PIPING – UNDERGROUND
- GV GAS VENT PIPING
- GAS VENT PIPING – UNDERGROUND
- LP LIQUIFIED PETROLEUM GAS PIPING
- RWC RAINWATER CONDUCTOR
- RWC RAINWATER CONDUCTOR – BELOW
- CD CONDENSATE DRAIN PIPING
- PC PUMPED CONDENSATE PIPING
- T TEMPERED WATER
- S SOFTENED WATER
- VAC VACUUM
- CA COMPRESSED AIR
- PRW PROCESSED RAINWATER

- KEYED NOTE
- CONNECT TO EXISTING
- EXTENT OF DEMOLITION

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SCHEDULE, DETAILS AND GENERAL NOTES - PLUMBING

RENOVATIONS TO ART ROOMS AND FCS ROOMS at
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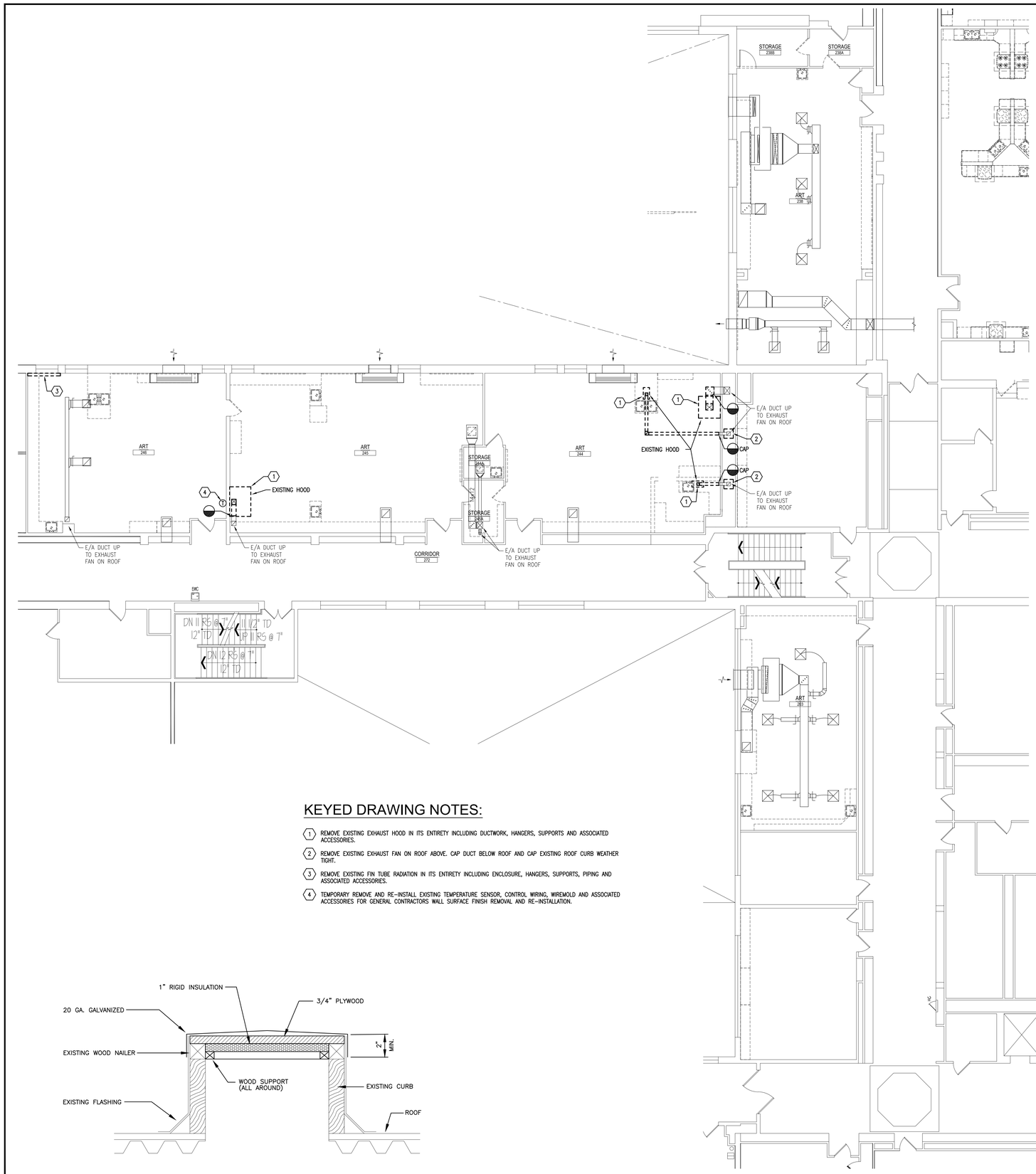


KEYED DRAWING NOTES:

1. REMOVE EXISTING EXHAUST HOOD IN ITS ENTIRETY INCLUDING DUCTWORK, HANGERS, SUPPORTS AND ASSOCIATED ACCESSORIES.
2. REMOVE EXISTING EXHAUST FAN ON ROOF ABOVE. CAP DUCT BELOW ROOF AND CAP EXISTING ROOF CURB WEATHER TIGHT.
3. REMOVE EXISTING FIN TUBE RADIATION IN ITS ENTIRETY INCLUDING ENCLOSURE, HANGERS, SUPPORTS, PIPING AND ASSOCIATED ACCESSORIES.
4. TEMPORARY REMOVE AND RE-INSTALL EXISTING TEMPERATURE SENSOR, CONTROL WIRING, WIREMOLD AND ASSOCIATED ACCESSORIES FOR GENERAL CONTRACTORS WALL SURFACE FINISH REMOVAL AND RE-INSTALLATION.

ROOF CURB CAPPING DETAIL

NO SCALE

SECOND FLOOR PLAN - HVAC DEMOLITION

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

HVAC LEGEND

(ALL SYMBOLS MAY NOT APPLY TO THIS PROJECT)

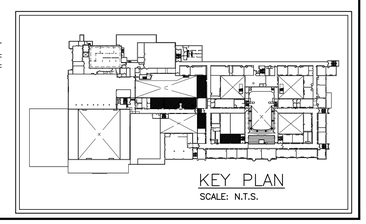
2-WAY CONTROL VALVE	HWS	HEATING WATER SUPPLY	NEEDLE VALVE
3-WAY CONTROL VALVE	HWR	HEATING WATER RETURN	MOTOR OPERATED DAMPER
BACKFLOW PREVENTER	DTS	DUAL TEMPERATURE WATER SUPPLY	EXISTING CONDITIONS
SAFETY RELIEF VALVE	DTR	DUAL TEMPERATURE WATER RETURN	NEW WORK
WATER PRESSURE REDUCING VALVE	CWS	CHILLED WATER SUPPLY	DEMOLITION
BALL OR BUTTERFLY VALVE	CWR	CHILLED WATER RETURN	EXISTING PIPING INSULATION REPLACEMENT
CALIBRATED BALANCING VALVE	CS	CONDENSER WATER SUPPLY	DUCTWORK DEMOLITION
CHECK VALVE	CR	CONDENSER WATER RETURN	INDICATES LINED DUCTWORK (SEE SPECS FOR MATERIAL)
STRAINER	HPWS	HEAT PUMP WATER SUPPLY	INDICATES MANUAL BALANCING DAMPER
TRIPLE DUTY VALVE	HPWR	HEAT PUMP WATER RETURN	INDICATES DUCT RISE OR DROP
HIGH CAPACITY AUTOMATIC AIR VENT	PWS	POOL WATER SUPPLY	HIGH POINT
MANUAL AIR VENT	PWR	POOL WATER RETURN	
UNION OR FLANGED CONNECTION	RL	REFRIGERANT LIQUID	
FLEXIBLE PIPE CONNECTION	RS	REFRIGERANT SUCTION	
FLOW METER	CD	CONDENSATE DRAIN	
ELECTROMAGNETIC FLOW METER		DOMESTIC COLD WATER	
SOLENOID VALVE		DOMESTIC HOT WATER	
TEMPERATURE SENSOR		DOMESTIC HOT WATER RETURN	
HUMIDITY SENSOR	RWC	RAIN WATER CONDUCTOR	
CO2 SENSOR		VERTICAL FIRE DAMPER - 1 1/2 HR	
SENSOR		HORIZONTAL FIRE DAMPER - 1 1/2 HR	
TEMPERATURE/HUMIDITY SENSOR		VERTICAL FIRE DAMPER - 3 HR	
ACCESS DOOR		HORIZONTAL FIRE DAMPER - 3 HR	
PRESSURE GAUGE		VERTICAL SMOKE DAMPER	
THERMOMETER		HORIZONTAL SMOKE DAMPER	
P/T PLUG		VERTICAL COMBINATION SMOKE/ FIRE DAMPER	
ELECTRIC OPERATOR		HORIZONTAL COMBINATION SMOKE/ FIRE DAMPER	
PNEUMATIC OPERATOR		KEYED DRAWING NOTE	
EMERGENCY BOILER SHUT-DOWN SWITCH		KEYED DEMOLITION NOTE	
AQUASTAT		CONNECT TO EXISTING	
SMOKE DETECTOR FURNISHED BY OTHERS INSTALLED BY HC		EXTENT OF DEMOLITION	

ABBREVIATIONS

ABV	ABOVE
A.L.	ACOUSTICALLY LINED
ALUM	ALUMINUM
BDD	BACKDRAFT DAMPER
BEL	BELOW
CLG	CEILING
DN	DOWN
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RETURN
EC	ELECTRICAL CONTRACTOR
EA	EACH
EX	EXISTING
EXH	EXHAUST
EXIST	EXISTING
FLR	FLOOR
GC	GENERAL CONTRACTOR
GTC	GENERAL TRADES CONTRACTOR
HC	HVAC CONTRACTOR
MOD	MOTOR OPERATED DAMPER
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
OA	OUTSIDE AIR
PC	PLUMBING CONTRACTOR
RA	RETURN AIR
RC	ROOFING CONTRACTOR
REQ'D	REQUIRED
SA	SUPPLY AIR
TYP	TYPICAL
UV	UNIT VENTILATOR
VD	VOLUME DAMPER - MANUAL
W/	WITH

GENERAL PROJECT NOTES:

1. PROVIDE THE MINIMUM REQUIRED SERVICE CLEARANCES FOR ALL EQUIPMENT AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER.
2. HVAC CONTRACTOR IS REQUIRED TO COORDINATE ALL HVAC WORK WITH THE WORK OF ALL OTHER TRADES TO ENSURE CORRECT AND QUALITY INSTALLATIONS.
3. DUCT FITTINGS THAT ARE BETWEEN STRAIGHT SECTIONS OF DUCT THAT IS SHOWN LINED SHALL ALSO BE LINED.
4. DUCT DIMENSIONS GIVEN ARE METAL (OUTSIDE) DIMENSIONS UNLESS OTHERWISE NOTED.
5. THE HVAC CONTRACTOR SHALL COORDINATE ALL WORK ABOVE THE CEILING WITH THE ELECTRICAL, PLUMBING, FIRE PROTECTION AND GENERAL CONTRACTORS TO INSURE THE SCHEDULED CEILING HEIGHTS CAN BE MAINTAINED.
6. ALL LOW VOLTAGE WIRING (UNDER 120V) REQUIRED FOR HVAC EQUIPMENT SHALL BE PROVIDED BY THE HVAC CONTRACTOR PER THE MANUFACTURER'S WRITTEN INSTRUCTIONS UNLESS OTHERWISE NOTED.
7. IN AREAS WHERE CEILING REMOVAL IS NOT INDICATED TO BE PERFORMED BY THE GENERAL CONTRACTOR (REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LIMITS OF WORK), THE MECHANICAL CONTRACTOR WILL BE RESPONSIBLE TO REMOVE & REINSTALL EXISTING CEILING SYSTEMS. PRIOR TO START OF ANY DEMOLITION WORK, THE CONTRACTOR SHALL PHOTOGRAPH ANY AREAS WITH EXISTING DAMAGE AND NOTIFY THE OWNER PRIOR TO START OF WORK. IN AREAS WHERE ACOUSTICAL CEILINGS ARE PRESENT, CAREFULLY REMOVE AND TEMPORARILY STORE EXISTING ACOUSTICAL CEILING TILE AND ASSOCIATED CEILING TRACK SYSTEM. IN AREAS WHERE PLASTER CEILINGS ARE PRESENT, CUT AND REMOVE EXISTING PLASTER CEILING SYSTEM AS NEEDED TO COMPLETE ALL INDICATED WORK. THE CONTRACTOR WILL BE RESPONSIBLE TO TEMPORARILY SUPPORT ALL EXISTING CEILING DEVICES (LIGHT FIXTURES, SPEAKERS, DETECTORS, SENSORS, ETC.). ONCE ALL INDICATED WORK IS COMPLETE THE CONTRACTOR WILL BE RESPONSIBLE TO RESTORE EXISTING CEILING SYSTEMS AND REINSTALL ALL TEMPORARILY REMOVED EXISTING CEILING DEVICES. THE CONTRACTOR IS TO REPLACE ALL CEILING TILES, SUPPORTS, GRID AND DEVICES THAT WERE DAMAGED AS A RESULT OF THE CONTRACTOR'S WORK.
8. CONTRACTOR TO PROVIDE ALL CUTTING & PATCHING REQUIRED FOR THEIR WORK, UNLESS OTHERWISE INDICATED BY THE GENERAL CONTRACTOR ON THE ARCHITECTURAL DRAWINGS.



KEY PLAN

SCALE: N.T.S.

NORTH

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1	11/10/26	OWNER REQUESTED REDESIGN

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1/8" SECOND FLOOR ART ROOM PLANS - HVAC DEMOLITION

RENOVATIONS TO ART ROOMS AND FCS ROOMS at
READING HIGH SCHOOL DISTRICT
801 NORTH 13TH STREET, READING, BERKS COUNTY, PA.

ALL DIMENSIONS and EXISTING CONDITIONS shall be CHECKED and VERIFIED by the CONTRACTOR in the FIELD.

JOB NO.: 25007.00
DRAWN BY: DER
DATE: 10.16.26

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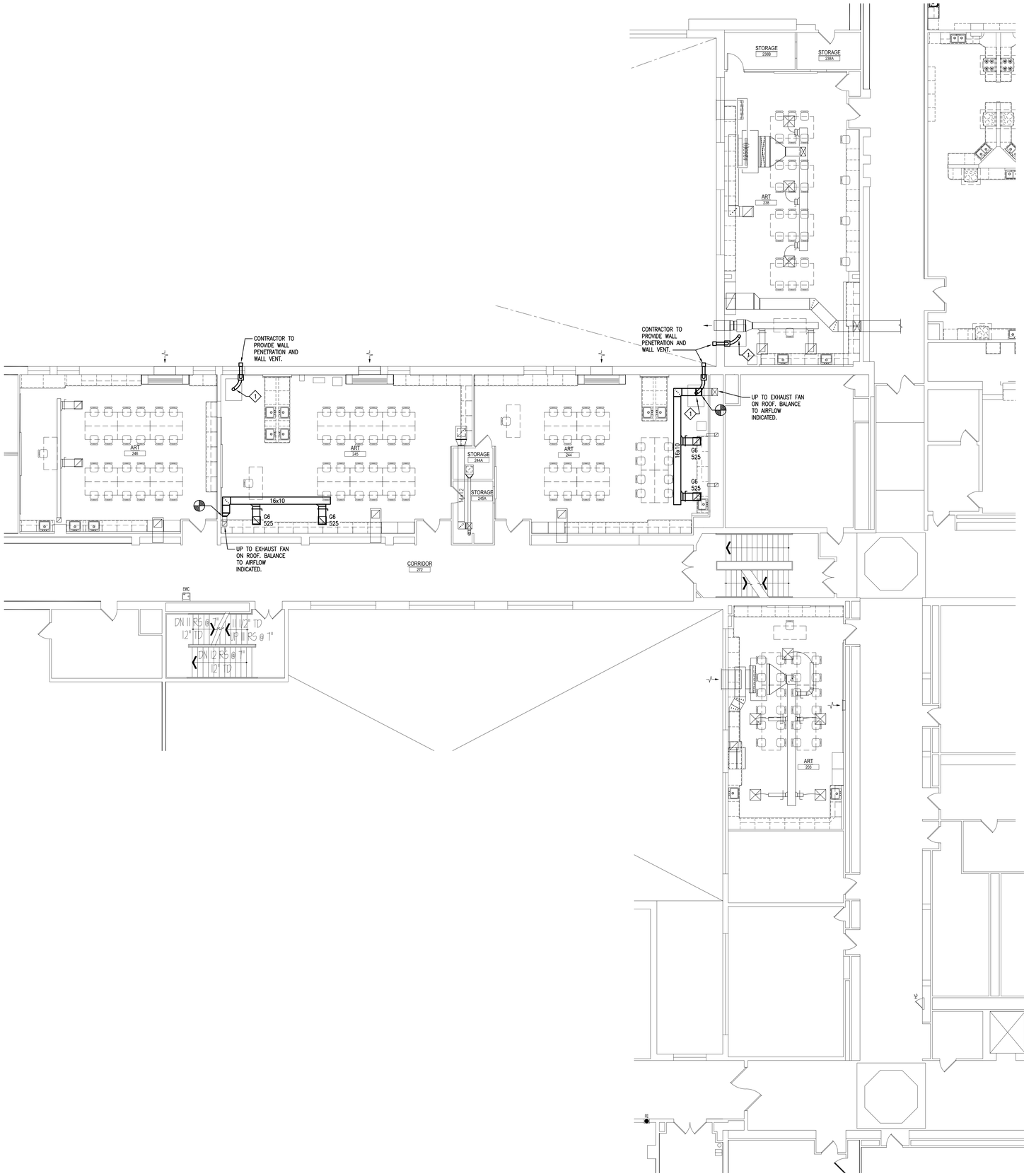


SECOND FLOOR PLAN - HVAC

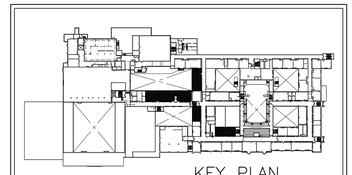
SCALE: 1/8" = 1'-0"

GRILLE AND REGISTER SCHEDULE

SYMBOL	SIZE	MODEL	MAXIMUM N.C.	MAXIMUM PRESSURE DROP	BORDER TYPE	MANUFACTURER	REMARKS
–	–	–	–	–	–	–	–
G6	14x14	350FL	20	0.08"	LAY–IN	TITUS	–
–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–

KEYED DRAWING NOTES:

1. PROVIDE KILN DOWN DRAFT VENT EQUAL TO OLYMPIC KILNS VENTMASTER–DOWNDRAFT VENT SYSTEM INCLUDING BLOWER WITH 6–FOOT CORD, MOUNTING BRACKET, BYPASS/COLLECTION BOX, VENT CONTROLLER, FLEXIBLE DUCT AND ASSOCIATED APPURTENANCES. DUCT DISCHARGE TO AN EXTERIOR WALL VENT WITH INTEGRAL BACK DRAFT DAMPER. COORDINATE VENTING WITH KILN MANUFACTURER AND PROVIDE REQUIRED KILN VENT HOLES AND ASSOCIATED CONNECTIONS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATIONS FOR A COMPLETE AND OPERATIONAL SYSTEM. KILN VENT SYSTEM TO BE INTERLOCKED WITH THE KILN, SO FAN SYSTEM OPERATES WHEN KILN IN ENERGIZED.
2. –



KEY PLAN

SCALE: N.T.S.

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1/8" SECOND FLOOR ART ROOM PLANS - HVAC

RENOVATIONS TO ART ROOMS AND FCS ROOMS at
READING HIGH SCHOOL
801 NORTH 13TH STREET, READING, BERKS COUNTY, PA.

ALL DIMENSIONS and EXISTING CONDITIONS shall be CHECKED and VERIFIED by the CONTRACTOR at the SITE.

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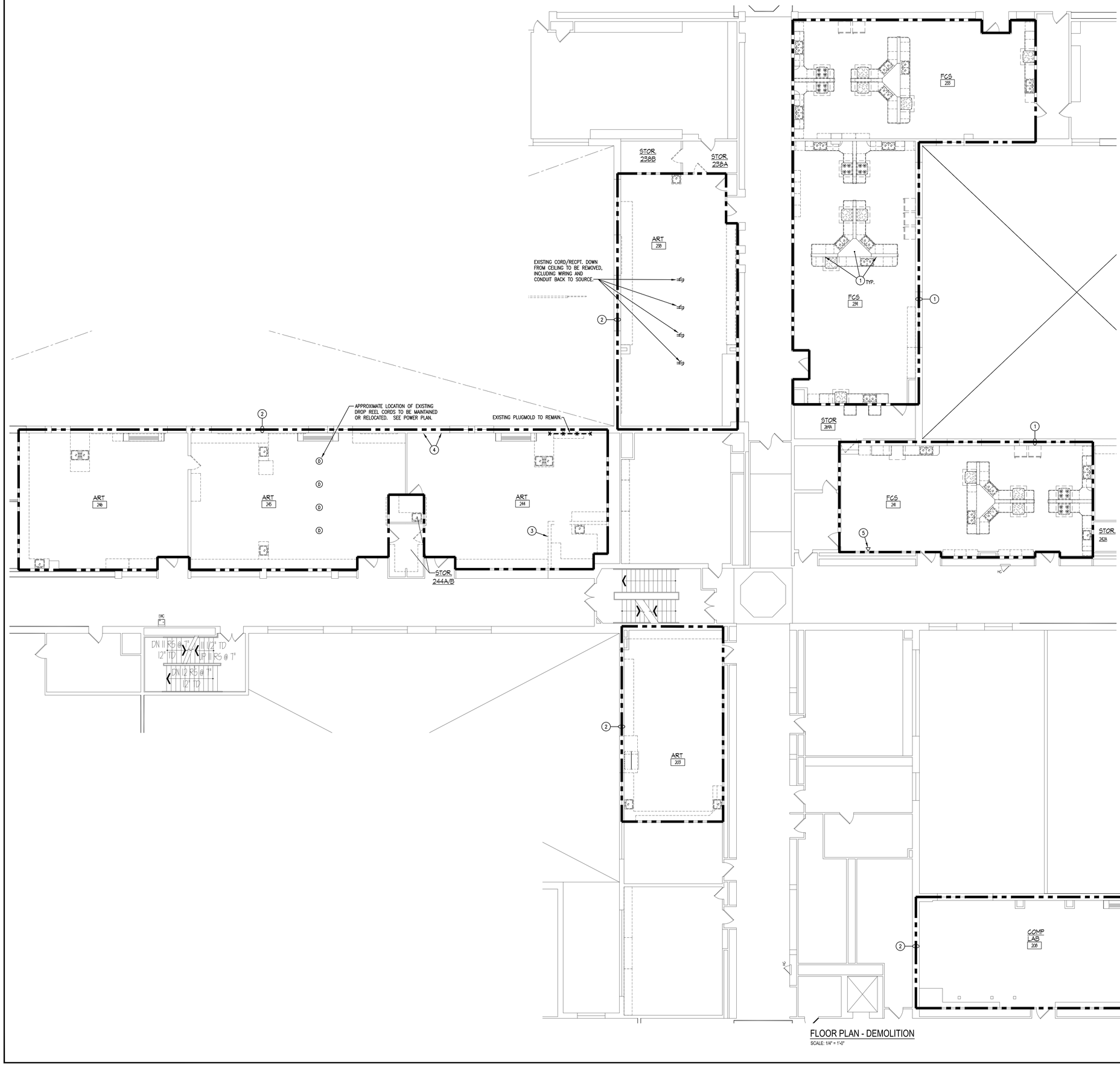
DATE: 10.16.26

H-2



DEMOLITION NOTES:

(APPLY TO ALL SHEETS)

1. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE EXISTING FACILITY AND ALL CONTRACT DRAWINGS TO DETERMINE THE EXTENT OF THE ELECTRICAL DEMOLITION WORK. THE CONTRACTOR SHALL COORDINATE THE DEMOLITION WITH ALL TRADES. ELECTRICAL DEMOLITION SHALL INCLUDE ALL WORK AS OUTLINED BELOW. COORDINATE ALL DEMOLITION WITH CONSTRUCTION SCHEDULE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL OF THE PLUMBING, HEATING AND ARCHITECTURAL DRAWINGS FOR THE EQUIPMENT BEING REMOVED. ALL EXISTING PLUMBING, HEATING AND ARCHITECTURAL EQUIPMENT ON THOSE DRAWINGS INDICATED TO BE REMOVED, SHALL BE ELECTRICALLY DISCONNECTED BY THE ELECTRICAL CONTRACTOR. ALL EXISTING PLUMBING, HEATING AND ARCHITECTURAL EQUIPMENT SHOWN ON THOSE DRAWINGS TO REMAIN, SHALL REMAIN ELECTRICALLY CONNECTED UNLESS NOTED OTHERWISE ON THE ELECTRICAL DRAWINGS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL OF THE ARCHITECTURAL CASEWORK DRAWINGS. EXISTING DEVICES THAT FALL BEHIND NEW CASEWORK SHALL BE DISCONNECTED, REMOVED AND A BLANK COVER PLATE INSTALLED. REROUTE EXISTING CIRCUIT AS REQUIRED TO MAINTAIN CIRCUIT CONTINUITY.
4. REMOVE ALL EXISTING CONDUIT AND WIRING BEING ABANDONED. EXISTING CONDUITS IN GOOD CONDITION, SIZED, OF CORRECT TYPE AND LOCATED CORRECTLY TO ACCOMMODATE NEW WORK MAY REMAIN IN PLACE AND BE REUSED. THE ELECTRICAL CONTRACTOR SHALL PROVIDE PROPER SUPPORT AS PER NEC FOR ANY CONDUITS BEING REUSED.
5. RELOCATE OR EXTEND EXISTING CIRCUITS NOT BEING ABANDONED, AS REQUIRED ON A PERMANENT BASIS TO ACCOMMODATE NEW WORK AND MAINTAIN CIRCUIT INTEGRITY.
6. IN ROOMS NOT BEING PAINTED, CONTRACTOR SHALL PATCH WALLS, FLOORS, CEILINGS, ETC. TO MATCH ADJACENT SURFACES WHERE EXISTING EQUIPMENT IS BEING REMOVED. PATCHING SHALL BE PROVIDED FOR ALL OPENINGS, INCLUDING, BUT NOT LIMITED TO OPENINGS FOR CONDUITS, BOXES, ANCHORS, ETC. PATCHING SHALL INCLUDE EVERYTHING, TO MATCH ADJACENT SURFACES. IN LIEU OF PATCHING, CONTRACTOR MAY USE BLANK WALL PLATES FOR STANDARD SIZE SINGLE AND MULTI-GANG DEVICE BOXES (I.E., SWITCH AND RECEPTACLE BOXES). COVER PLATES SHALL MATCH OTHER DEVICE PLATES IN THE AREA IN BOTH MATERIAL AND FINISH. CONTRACTOR SHALL REMOVE ALL RECESSED BOXES FOR LARGER NON-STANDARD SIZE BOXES (I.E., FIRE ALARM PULLS AND BELLS, CLOCKS, SPEAKERS, PANELBOARDS, ETC.) AND PATCH SURFACES.
7. IN ROOMS BEING PAINTED, CONTRACTOR SHALL PATCH WALLS, FLOORS, CEILINGS, ETC. TO MATCH ADJACENT SURFACES WHERE EXISTING EQUIPMENT IS BEING REMOVED. PATCHING SHALL BE PROVIDED FOR ALL OPENINGS, INCLUDING, BUT NOT LIMITED TO OPENINGS FOR CONDUITS, BOXES, ANCHORS, SWITCHES, RECEPTACLES, FIRE ALARM PULLS AND BELLS, CLOCKS, SPEAKERS, PANELBOARDS, ETC. PATCHING SHALL INCLUDE EVERYTHING EXCEPT PAINTING, TO MATCH ADJACENT SURFACES.
8. THE OWNER SHALL HAVE FIRST CHOICE OF ANY EXISTING EQUIPMENT OR MATERIALS BEING REMOVED. THE CONTRACTOR SHALL DELIVER ITEMS TO BE SALVAGED BY THE OWNER TO DESIGNATED STORAGE AREA ON THE JOB SITE. ALL EQUIPMENT AND MATERIALS REJECTED BY THE OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR. CONTRACTOR SHALL REMOVE THESE ITEMS FROM THE SITE AND PROPERLY DISPOSE OF THEM.
9. THE CONTRACTOR SHALL DISCONNECT AND REMOVE ALL EXISTING LIGHTING FIXTURES AND ASSOCIATED WIRING IN AREAS WHERE NEW FIXTURES ARE SHOWN OR OTHERWISE NOTED.
10. BATTERIES HOUSED IN EXISTING BATTERY CABINETS SHALL BE DISPOSED OF PER NATIONAL, STATED AND LOCAL REQUIREMENTS.
11. WHERE DEMOLISHED ITEMS REVEAL UNEVEN CONSTRUCTION, INTERRUPTED FINISHES, ATTACHMENT HOLES AND OTHER CONDITIONS THAT DO NOT MATCH EXISTING ADJACENT FINISH CONSTRUCTION, PATCH TO MATCH ADJACENT FINISHES.

DEMOLITION DRAWING NOTES:

1. ELECTRICALLY DISCONNECT RECEPTACLES IN BACK SPLASH FOR REMOVAL, TEMPORARILY REMOVE MCCABLE FROM BACK SPLASH. RE-SECURE MCCABLE TO NEW BACK SPLASH OR ELSEWHERE CONCEALED IN ISLAND WORKSPACE.
2. DISCONNECT AND REMOVE RECEPTACLES, DATA OUTLETS, POWER POLES, PLUGMOLD, WIREMOLD ASSOCIATED WIRING AND CONDUITS BACK TO SOURCE.
3. REMOVE 2x4 LIGHT FIXTURE AND REINSTALL ONCE NEW GRID IS INSTALLED. SEE LIGHTING PLAN.
4. REMOVE ELECTRICAL CONNECTION TO WALL ART WORK, INCLUDING LIGHTS AND SWITCH.
5. VERIFY WITH OWNER/ ARCHITECT IF DATA OUTLET/ RACEWAY IS TO REMOVED.

FLOOR PLAN - DEMOLITION
SCALE: 1/4" = 1'-0"

KEY PLAN
SCALE: N.T.S.

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1/8" FLOOR PLAN - DEMOLITION

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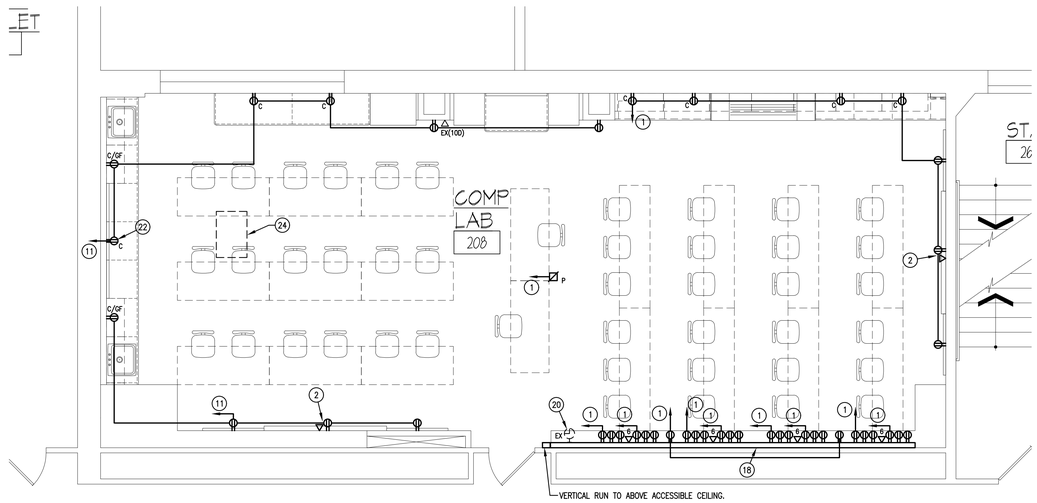
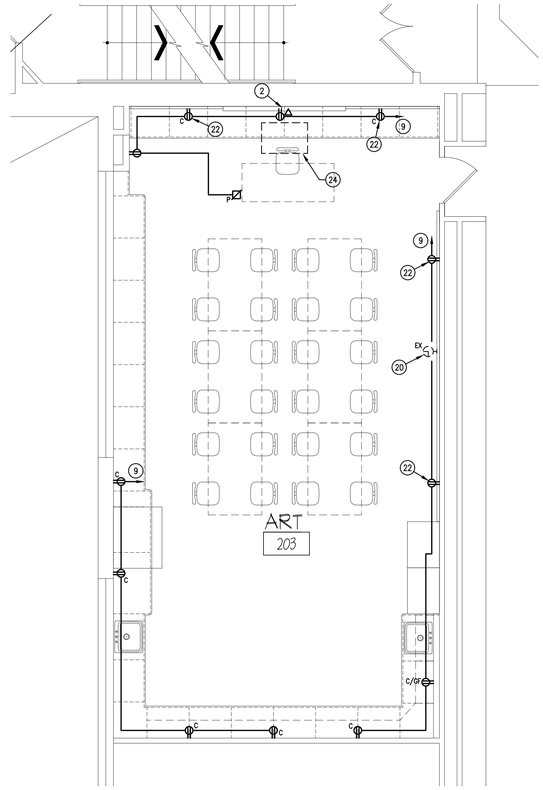


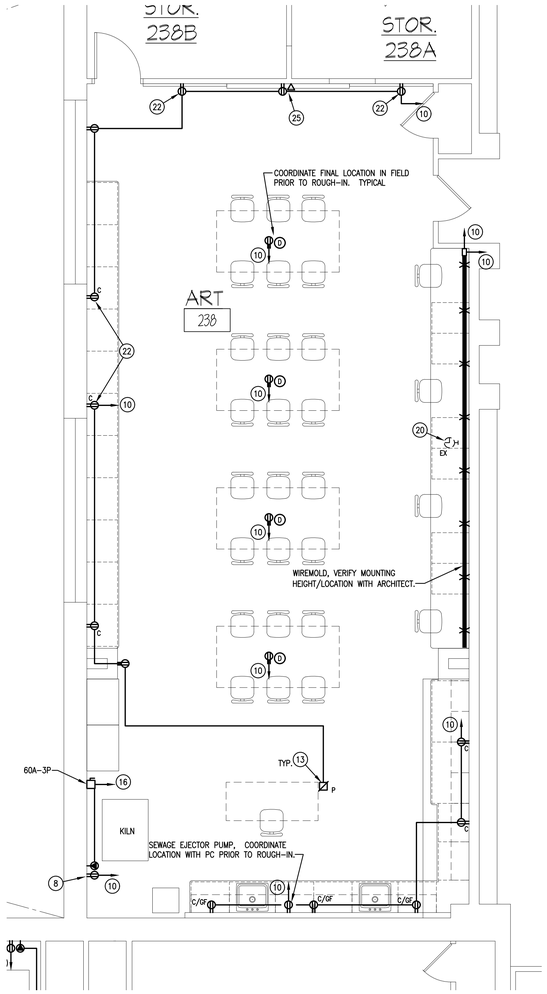
PARTIAL FLOOR PLAN - POWER

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



PARTIAL FLOOR PLAN - POWER

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

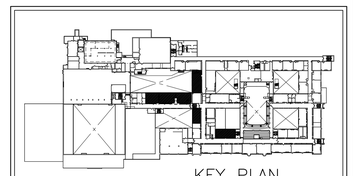


PARTIAL FLOOR PLAN - POWER

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

DRAWING NOTES:

1. CIRCUIT RECEPTACLES/DEVICES TO SPARE 20A-1P CIRCUIT BREAKER IN PANEL 'PB202' VIA 2#12&#12G-3/4"C UNO. LABEL CIRCUIT DIRECTORY CARD ACCORDINGLY.
2. TV LOCATION COORDINATE EXACT MOUNTING LOCATION.
3. NOT USED.
4. VERIFY WITH ARCHITECT IF EXISTING CORD REEL LOCATIONS WILL ACCOMMODATE NEW FURNITURE LAYOUT. RELOCATE ACCORDINGLY PER ARCHITECT DIRECTION. EXTEND CIRCUITING ACCORDINGLY.
5. REFERENCE CORD REEL DROP DETAIL THIS SET FOR MOUNTING REQUIREMENTS.
6. RELOCATE EXHAUST FAN SWITCH FROM NORTH WALL TO SOUTH WALL BY DOOR AS INDICATED. EXTEND CIRCUIT ACCORDINGLY.
7. REFER TO PANEL SCHEDULE DRAWING FOR CIRCUIT BREAKER CHANGE OUT.
8. PROVIDE RECEPTACLE FOR VENT-A-KILN CORD AND PLUG CONNECTION. COORDINATE EXACT MOUNTING LOCATION WITH H.C. PRIOR TO ROUGH-IN.
9. CIRCUIT RECEPTACLES/DEVICES TO SPARE 20A-1P CIRCUIT BREAKER IN PANEL 'PB206' OR 'PB206A' VIA 2#12&#12G-3/4"C UNO. LABEL CIRCUIT DIRECTORY CARD ACCORDINGLY.
10. CIRCUIT RECEPTACLES/DEVICES TO SPARE 20A-1P CIRCUIT BREAKER IN PANEL 'PB211' VIA 2#12&#12G-3/4"C UNO. LABEL CIRCUIT DIRECTORY CARD ACCORDINGLY.
11. CIRCUIT RECEPTACLES/DEVICES TO PANEL 'PB202' VIA 2#12&#12G-3/4"C UNO. PROVIDE 20A-1P CIRCUIT BREAKER AND CONNECT. LABEL CIRCUIT DIRECTORY CARD ACCORDINGLY.
12. CIRCUIT RECEPTACLES/DEVICES TO PANEL 'PB206' VIA 2#12&#12G-3/4"C UNO. PROVIDE 20A-1P CIRCUIT BREAKER AND CONNECT. LABEL CIRCUIT DIRECTORY CARD ACCORDINGLY.
13. COORDINATE EXACT LOCATION WITH TEACHER'S DESK. USE THE SALVAGED POWER POLES FROM COMPUTER ROOM 208 FOR THE FIRST (4) REQUIRED.
14. 2#3&#8G.-1 1/4"C TO PANEL P16 AND CONNECT TO 80A-2P CIRCUIT BREAKER CURRENTLY FEEDING KILN.
15. 3#6&#10G-1"C TO PANEL P16 AND CONNECT TO 50A-3P CIRCUIT BREAKER CURRENTLY FEEDING KILN.
16. 3#8&#10G-1"C TO PANEL P16 AND CONNECT TO 40A-3P CIRCUIT BREAKER CURRENTLY FEEDING KILN.
17. CIRCUIT RECEPTACLES/DEVICES TO PANEL 'PC214A' VIA 2#12&#12G-3/4"C UNO. PROVIDE 20A-1P CIRCUIT BREAKER AND CONNECT. LABEL CIRCUIT DIRECTORY CARD ACCORDINGLY.
18. PROVIDE WIREMOLD DS4000 WITH DOWNWARD FACING ACTIVATION PLATES. QUANTITY OF PLATES REQUIRED FOR INDICATED DEVICES.
19. (EN) INDICATES APPROXIMATE LOCATION OF DEVICE BEING REMOVED, PROVIDE NEW DEVICE AND BACK BOX IN NEW BACK SPLASH. EXTEND ACCORDINGLY AND CONNECT TO EXISTING CIRCUIT AS ACCORDINGLY.
20. EXISTING CLOCK LOCATION, WALL TO RECEVE HOMASOTE SURFACE.
21. EXISTING CLOCK LOCATION, ABOVE NEW WALL CABINETS.
22. WALL TO RECEIVE HOMESOTE PANEL, CHIP OUT EXISTING BLOCK AS REQUIRED TO INSTALL RECEPTACLE/DATA JUNCTION BOX, TO ALLOW DEVICES TO BE FLUSH IN WALL WITH CONDUIT CONCEALED BEHIND HOMESOTE PANEL.
23. NOT USED.
24. EXISTING CEILING PROJECTOR TO POSSIBLY BE RELOCATED WITH ROOM, COORDINATE EXACT LOCATION WITH ARCHITECT AND EXACT WIRING ACCORDINGLY.
25. CONNECTION FOR MOBILE SMART BOARD, COORDINATE EXACT LOCATION OF RECPT./DATA OUTLET WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN.



KEY PLAN

SCALE: N.T.S.

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1/4" ART AND COMPUTER ROOM PLANS - POWER

RENOVATIONS TO ART ROOMS AND FCS ROOMS at
READING SCHOOL DISTRICT
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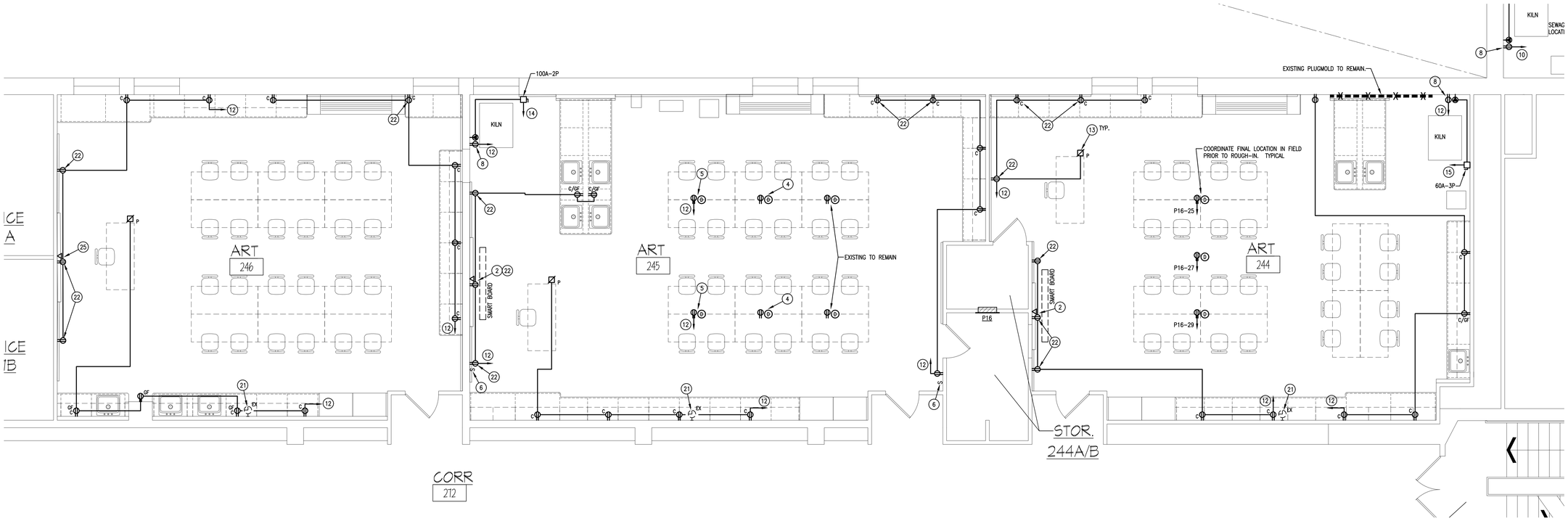
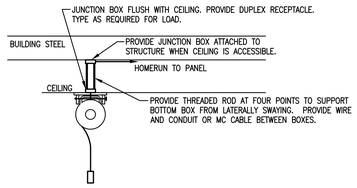
E-2



PARTIAL FLOOR PLAN - POWER

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



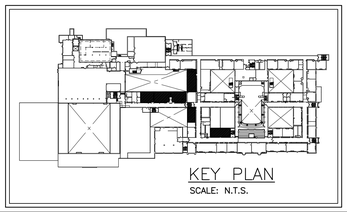
NOTES:
1. E.C. TO VERIFY LOCATION BEFORE ROUGH-IN.
2. PROVIDE ⊕ LOCATIONS W/ FINISHED CEILING.

CORD REEL DROP WIRING DETAIL

NO SCALE

DRAWING NOTES:

1. CIRCUIT RECEPTACLES/DEVICES TO SPARE 20A-1P CIRCUIT BREAKER IN PANEL 'PB202' VIA 2#12&#12G-3/4"C UNO. LABEL CIRCUIT DIRECTORY CARD ACCORDINGLY.
2. TV LOCATION COORDINATE EXACT MOUNTING LOCATION.
3. NOT USED.
4. VERIFY WITH ARCHITECT IF EXISTING CORD REEL LOCATIONS WILL ACCOMMODATE NEW FURNITURE LAYOUT. RELOCATE ACCORDINGLY PER ARCHITECT DIRECTION. EXTEND CIRCUITING ACCORDINGLY.
5. REFERENCE CORD REEL DROP DETAIL THIS SET FOR MOUNTING REQUIREMENTS.
6. RELOCATE EXHAUST FAN SWITCH FROM NORTH WALL TO SOUTH WALL BY DOOR AS INDICATED. EXTEND CIRCUIT ACCORDINGLY.
7. REFER TO PANEL SCHEDULE DRAWING FOR CIRCUIT BREAKER CHANGE OUT.
8. PROVIDE RECEPTACLE FOR VENT-A-KILN CORD AND PLUG CONNECTION. COORDINATE EXACT MOUNTING LOCATION WITH H.C. PRIOR TO ROUGH-IN.
9. CIRCUIT RECEPTACLES/DEVICES TO SPARE 20A-1P CIRCUIT BREAKER IN PANEL 'PB206' OR 'PB206A' VIA 2#12&#12G-3/4"C UNO. LABEL CIRCUIT DIRECTORY CARD ACCORDINGLY.
10. CIRCUIT RECEPTACLES/DEVICES TO SPARE 20A-1P CIRCUIT BREAKER IN PANEL 'PB211' VIA 2#12&#12G-3/4"C UNO. LABEL CIRCUIT DIRECTORY CARD ACCORDINGLY.
11. CIRCUIT RECEPTACLES/DEVICES TO PANEL 'PB202' VIA 2#12&#12G-3/4"C UNO. PROVIDE 20A-1P CIRCUIT BREAKER AND CONNECT. LABEL CIRCUIT DIRECTORY CARD ACCORDINGLY.
12. CIRCUIT RECEPTACLES/DEVICES TO PANEL 'PB206' VIA 2#12&#12G-3/4"C UNO. PROVIDE 20A-1P CIRCUIT BREAKER AND CONNECT. LABEL CIRCUIT DIRECTORY CARD ACCORDINGLY.
13. COORDINATE EXACT LOCATION WITH TEACHER'S DESK. USE THE SALVAGED POWER POLES FROM COMPUTER ROOM 208 FOR THE FIRST (4) REQUIRED.
14. 2#3&#8G.-1 1/4"C TO PANEL P16 AND CONNECT TO 80A-2P CIRCUIT BREAKER CURRENTLY FEEDING KILN.
15. 3#6&#10G-1"C TO PANEL P16 AND CONNECT TO 50A-3P CIRCUIT BREAKER CURRENTLY FEEDING KILN.
16. 3#8&#10G-1"C TO PANEL P16 AND CONNECT TO 40A-3P CIRCUIT BREAKER CURRENTLY FEEDING KILN.
17. CIRCUIT RECEPTACLES/DEVICES TO PANEL 'PC214A' VIA 2#12&#12G-3/4"C UNO. PROVIDE 20A-1P CIRCUIT BREAKER AND CONNECT. LABEL CIRCUIT DIRECTORY CARD ACCORDINGLY.
18. PROVIDE WIREMOLD DS4000 WITH DOWNWARD FACING ACTIVATION PLATES. QUANTITY OF PLATES REQUIRED FOR INDICATED DEVICES.
19. (EN) INDICATES APPROXIMATE LOCATION OF DEVICE BEING REMOVED, PROVIDE NEW DEVICE AND BACK BOX IN NEW BACK SPLASH. EXTEND ACCORDINGLY AND CONNECT TO EXISTING CIRCUIT AS ACCORDINGLY.
20. EXISTING CLOCK LOCATION, WALL TO RECEIVE HOMASOTE SURFACE.
21. EXISTING CLOCK LOCATION, ABOVE NEW WALL CABINETS.
22. WALL TO RECEIVE HOMESOTE PANEL. CHIP OUT EXISTING BLOCK AS REQUIRED TO INSTALL RECEPTACLE/DATA JUNCTION BOX, TO ALLOW DEVICES TO BE FLUSH IN WALL WITH CONDUIT CONCEALED BEHIND HOMESOTE PANEL.
23. NOT USED.
24. EXISTING CEILING PROJECTOR TO POSSIBLY BE RELOCATED WITH ROOM, COORDINATE EXACT LOCATION WITH ARCHITECT AND EXACT WIRING ACCORDINGLY.
25. CONNECTION FOR MOBILE SMART BOARD, COORDINATE EXACT LOCATION OF RECPT./DATA OUTLET WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN.



KEY PLAN

SCALE: N.T.S.

NORTH

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	DATE	DESCRIPTION
1	11/10/26	OWNER REQUESTED REDESIGN

CONSULTANTS
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1/4" ART ROOM PLANS - POWER

RENOVATIONS TO ART ROOMS AND FCS ROOMS at
READING HIGH SCHOOL
801 NORTH 13TH STREET, READING, BERKS COUNTY, PA

ALL DIMENSIONS and EXISTING CONDITIONS shall be CHECKED and VERIFIED by the CONTRACTOR at the SITE

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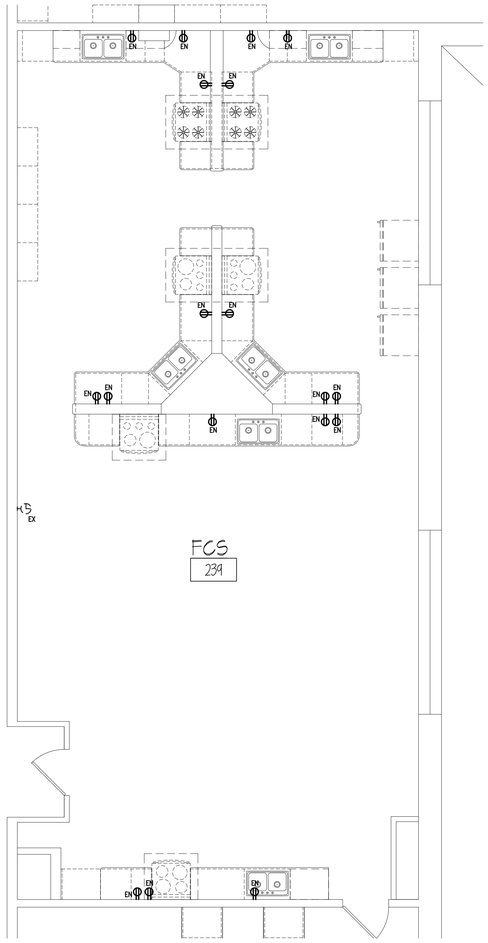
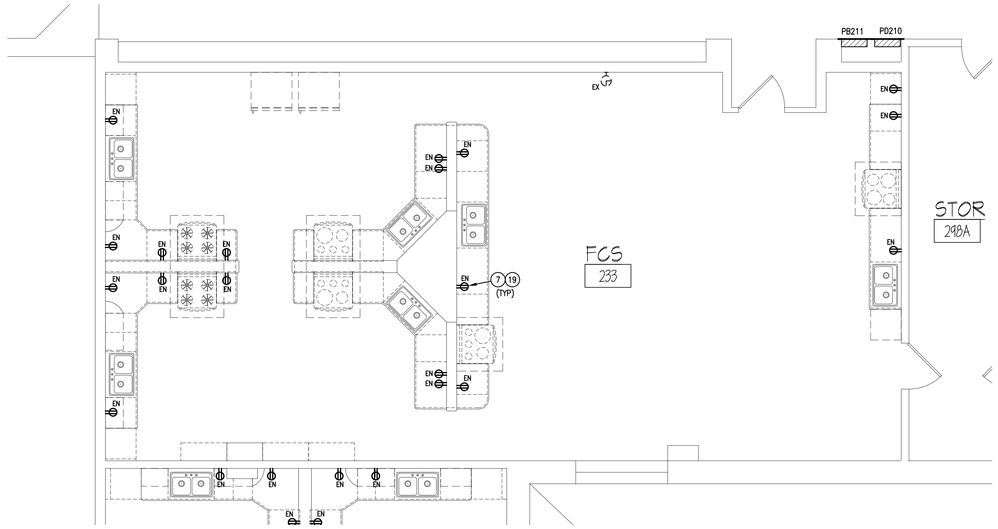
E-3



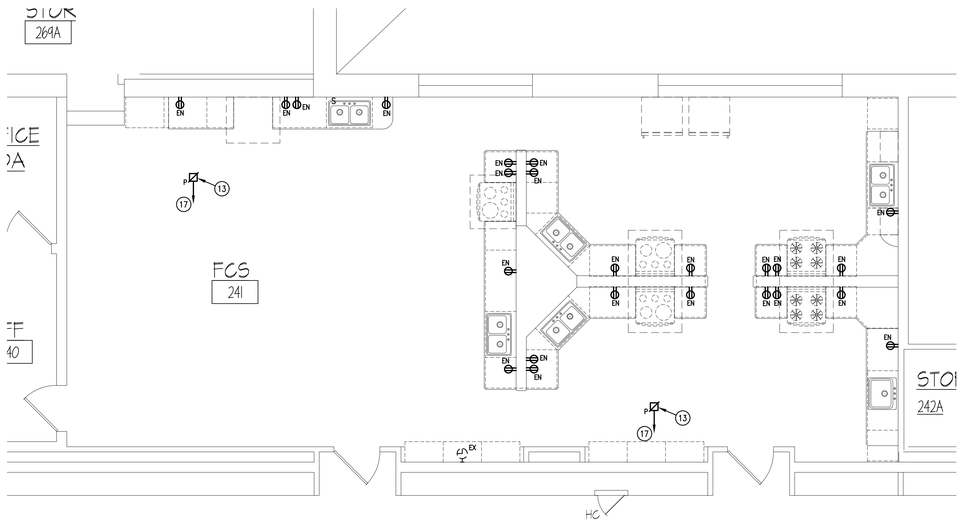
PARTIAL FLOOR PLAN - POWER

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



PARTIAL FLOOR PLAN - POWER

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



PARTIAL FLOOR PLAN - POWER

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

DRAWING NOTES:

1. CIRCUIT RECEPTACLES/DEVICES TO SPARE 20A-1P CIRCUIT BREAKER IN PANEL 'PB202' VIA 2#12&#12G-3/4"C UNO. LABEL CIRCUIT DIRECTORY CARD ACCORDINGLY.
2. TV LOCATION COORDINATE EXACT MOUNTING LOCATION.
3. NOT USED.
4. VERIFY WITH ARCHITECT IF EXISTING CORD REEL LOCATIONS WILL ACCOMMODATE NEW FURNITURE LAYOUT. RELOCATE ACCORDINGLY PER ARCHITECT DIRECTION. EXTEND CIRCUITING ACCORDINGLY.
5. REFERENCE CORD REEL DROP DETAIL THIS SET FOR MOUNTING REQUIREMENTS.
6. RELOCATE EXHAUST FAN SWITCH FROM NORTH WALL TO SOUTH WALL BY DOOR AS INDICATED. EXTEND CIRCUIT ACCORDINGLY.
7. REFER TO PANEL SCHEDULE DRAWING FOR CIRCUIT BREAKER CHANGE OUT.
8. PROVIDE RECEPTACLE FOR VENT-A-KILN CORD AND PLUG CONNECTION. COORDINATE EXACT MOUNTING LOCATION WITH H.C. PRIOR TO ROUGH-IN.
9. CIRCUIT RECEPTACLES/DEVICES TO SPARE 20A-1P CIRCUIT BREAKER IN PANEL 'PB206' OR 'PB206A' VIA 2#12&#12G-3/4"C UNO. LABEL CIRCUIT DIRECTORY CARD ACCORDINGLY.
10. CIRCUIT RECEPTACLES/DEVICES TO SPARE 20A-1P CIRCUIT BREAKER IN PANEL 'PB211' VIA 2#12&#12G-3/4"C UNO. LABEL CIRCUIT DIRECTORY CARD ACCORDINGLY.
11. CIRCUIT RECEPTACLES/DEVICES TO PANEL 'PB202' VIA 2#12&#12G-3/4"C UNO. PROVIDE 20A-1P CIRCUIT BREAKER AND CONNECT. LABEL CIRCUIT DIRECTORY CARD ACCORDINGLY.
12. CIRCUIT RECEPTACLES/DEVICES TO PANEL 'PB206' VIA 2#12&#12G-3/4"C UNO. PROVIDE 20A-1P CIRCUIT BREAKER AND CONNECT. LABEL CIRCUIT DIRECTORY CARD ACCORDINGLY.
13. COORDINATE EXACT LOCATION WITH TEACHER'S DESK. USE THE SALVAGED POWER POLES FROM COMPUTER ROOM 208 FOR THE FIRST (4) REQUIRED.
14. 2#3&#8G.-1 1/4"C TO PANEL P16 AND CONNECT TO 80A-2P CIRCUIT BREAKER CURRENTLY FEEDING KILN.
15. 3#6&#10G-1"C TO PANEL P16 AND CONNECT TO 50A-3P CIRCUIT BREAKER CURRENTLY FEEDING KILN.
16. 3#8&#10G-1"C TO PANEL P16 AND CONNECT TO 40A-3P CIRCUIT BREAKER CURRENTLY FEEDING KILN.
17. CIRCUIT RECEPTACLES/DEVICES TO PANEL 'PC214A' VIA 2#12&#12G-3/4"C UNO. PROVIDE 20A-1P CIRCUIT BREAKER AND CONNECT. LABEL CIRCUIT DIRECTORY CARD ACCORDINGLY.
18. PROVIDE WIREMOLD DS4000 WITH DOWNWARD FACING ACTIVATION PLATES. QUANTITY OF PLATES REQUIRED FOR INDICATED DEVICES.
19. (EN) INDICATES APPROXIMATE LOCATION OF DEVICE BEING REMOVED, PROVIDE NEW DEVICE AND BACK BOX IN NEW BACK SPLASH. EXTEND ACCORDINGLY AND CONNECT TO EXISTING CIRCUIT AS ACCORDINGLY.
20. EXISTING CLOCK LOCATION, WALL TO RECEIVE HOMASOTE SURFACE.
21. EXISTING CLOCK LOCATION, ABOVE NEW WALL CABINETS.
22. WALL TO RECEIVE HOMESOTE PANEL, CHIP OUT EXISTING BLOCK AS REQUIRED TO INSTALL RECEPTACLE/DATA JUNCTION BOX, TO ALLOW DEVICES TO BE FLUSH IN WALL WITH CONDUIT CONCEALED BEHIND HOMESOTE PANEL.
23. NOT USED.
24. EXISTING CEILING PROJECTOR TO POSSIBLY BE RELOCATED WITH ROOM, COORDINATE EXACT LOCATION WITH ARCHITECT AND EXACT WIRING ACCORDINGLY.
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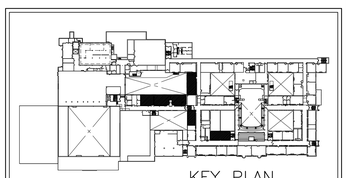

KEY PLAN

SCALE: N.T.S.

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1	11/10/26	OWNER REQUESTED REDESIGN
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-	-	

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1/4" FCS ROOM PLANS - POWER

RENOVATIONS TO ART ROOMS AND FCS ROOMS at
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READING SCHOOL DISTRICT
801 NORTH 13TH STREET, READING, BERKS COUNTY, PA.

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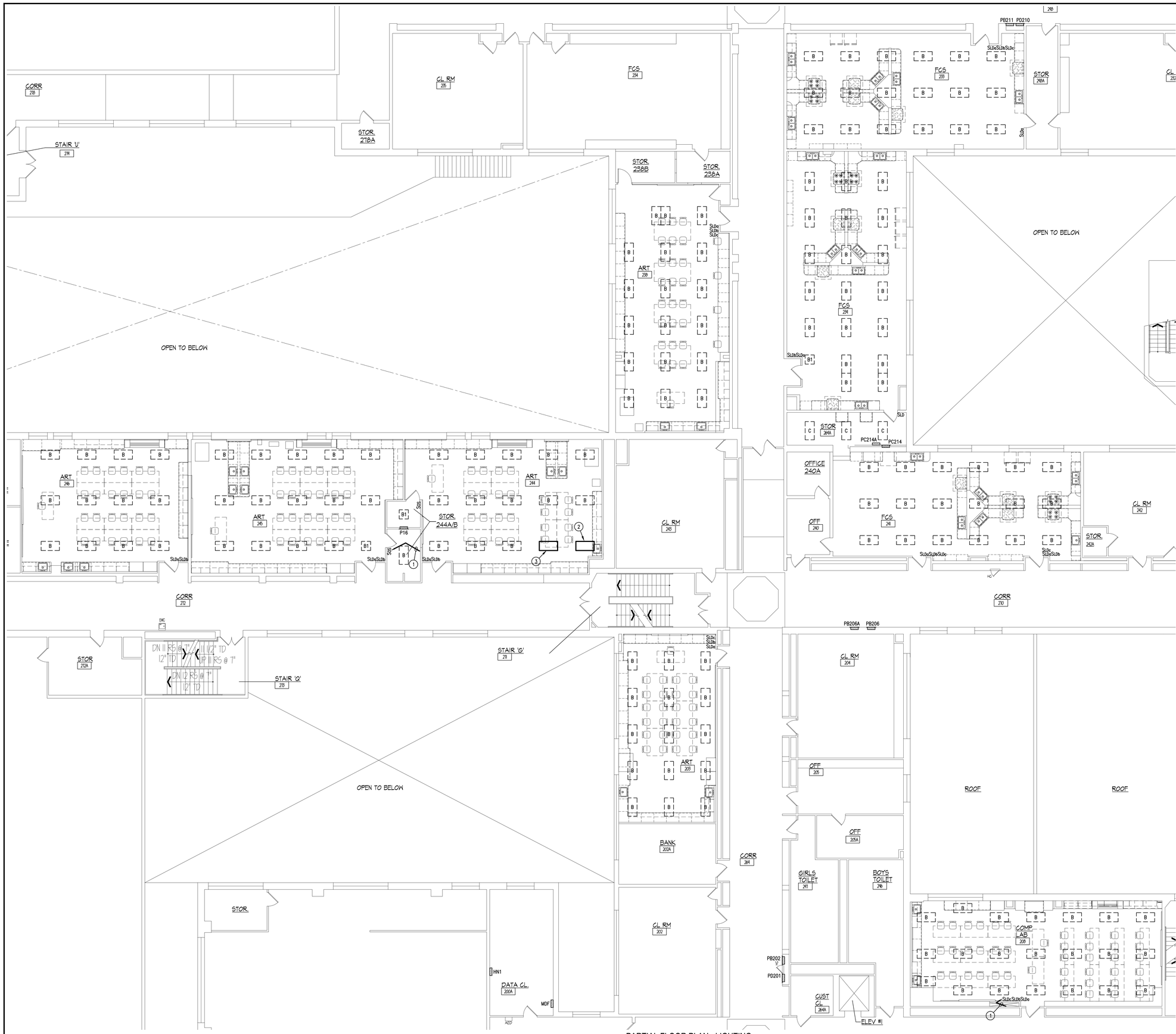
E-4

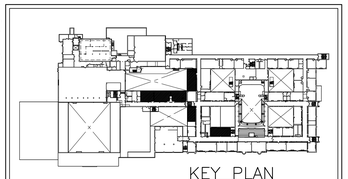


PARTIAL FLOOR PLAN - LIGHTING

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

DRAWING NOTES;

1. RELOCATE LIGHT SWITCHES TO LOCATION INDICATED, EXTEND CIRCUITING ACCORDINGLY.
2. PROVIDE 2x4 LIGHT FIXTURE, COLUMBIA LCAT24-S-35L048G-ED1U. CONNECT TO ROOM LIGHTING CIRCUIT AND CONTROLS ACCORDINGLY.
3. RELOCATED 2x4 FROM DEMOLITION OF DARK ROOM. CONNECT TO ROOM LIGHTING CIRCUIT AND CONTROLS ACCORDINGLY.



KEY PLAN

SCALE: N.T.S.

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1/8" FLOOR PLANS - LIGHTING

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E-5

GENERAL ELECTRICAL NOTES: (APPLY TO ALL SHEETS)

1. THE CONTRACTOR SHALL PROVIDE ALL CIRCUITS (FEEDER AND BRANCH) WITH AN EQUIPMENT GROUND CONDUCTOR SIZED IN ACCORDANCE WITH N.E.C. TABLE 250-122.

2. WHEN INSTALLING CONDUITS ABOVE CEILING, LOCATE IN SUCH A MANNER TO ALLOW ACCESS TO ALL PIPING, DUCTS, VALVES, AND OTHER DEVICES LOCATED ABOVE CONDUITS.

3. CONDUIT SLEEVES MUST BE PROVIDED FOR ALL LOW VOLTAGE WIRING RUN IN OR THROUGH WALLS.

4. IN ROOMS WITHOUT CEILINGS, LOW VOLTAGE WIRING MUST BE RUN IN CONDUIT. NO EXPOSED LOW VOLTAGE WIRING WILL BE PERMITTED.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY MISCELLANEOUS STEEL REQUIRED FOR MOUNTING ELECTRICAL EQUIPMENT. THE CONTRACTOR IS RESPONSIBLE TO SIZE STEEL AND INSTALL PROPERLY FOR THE LOAD INTENDED.

6. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS AND DETAILS/ ELEVATIONS TO COORDINATE THE EXACT LOCATION OF ALL ELECTRICAL DEVICES OR EQUIPMENT TO BE INSTALLED IN CASEWORK, CABINETS, GENERAL AREAS, ETC. DRAWINGS SHALL NOT BE SCALED. COORDINATE WITH FINAL CASEWORK LAYOUTS. ANY CONTRACTOR WHO FAILS TO COMPLY SHALL BEAR ALL COSTS OF EACH TRADE FOR DISCONNECTING, REMOVING AND REINSTALLING SYSTEM, EQUIPMENT OR PORTIONS THEREOF.

7. EACH TRADE CONTRACTOR MUST FAMILIARIZE HIMSELF WITH THE AVAILABLE SPACE IN THE CONCEALED AREAS OF THE STRUCTURE. HE MUST COORDINATE ALL THE WORK TO BE DONE AND EQUIPMENT TO BE INSTALLED IN ADVANCE AND PRIOR TO INSTALLING ANY SYSTEM OR PORTION THEREOF.

8. ALL LOW VOLTAGE WIRING MUST BE AN APPROVED AIR PLENUM CABLE, OR RUN IN CONDUIT.

9. ALL LOW VOLTAGE WIRING, NOT INSTALLED IN CONDUIT, ABOVE CEILINGS MUST BE RUN PERPENDICULAR AND/OR PARALLEL TO BUILDING STEEL. ALL CABLES MUST BE NEATLY TRAINED AND WIRE TIED TO THE BUILDING STEEL OR INSTALLED ON J-HOOKS, BRIDLE RINGS OR IN CABLE TRAY WITH 25% SPARE CAPACITY. CABLES THAT ARE SIMPLY DRAPED THROUGH STEEL OR RUN AT ODD ANGLES WILL HAVE TO BE REMOVED AND REINSTALLED.

10. ALL CONDUIT AND WIRING RUN TO FINISHED SPACES (I.E., CLASSROOMS, CORRIDORS, OFFICES, STORAGE ROOMS, ETC.) MUST BE CONCEALED. CONDUIT MAY BE RUN EXPOSED IN UNFINISHED AREAS (I.E., CRAWL SPACES, MECHANICAL EQUIPMENT ROOMS, ETC.). NO SURFACE RACEWAY MAY BE USED UNLESS SHOWN ON DRAWINGS OR APPROVED BY ENGINEER OR ARCHITECT IN WRITING. IN EXISTING CONSTRUCTION WHERE WALLS ARE SOLIDLY FILLED (I.E. WITH GROUT) THE CONTRACTOR WITH THE WRITTEN APPROVAL FROM THE ENGINEER OR ARCHITECT, SHALL PROVIDE SIMILAR TO WIREMOLD V700 SERIES METALLIC RACEWAY AT NO ADDITIONAL COST TO THE OWNER. FINAL ROUTING SHALL BE APPROVED BY ENGINEER/ ARCHITECT. FINISH SELECTED BY ARCHITECT FROM COMPLETE LIST OF STANDARD FINISHES.

11. OUTLETS MOUNTED BACK TO BACK AND/OR THE USE OF THROUGH BOXES IS NOT PERMITTED.

12. THE CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING AND PATCHING OF EXISTING SURFACES THAT IS REQUIRED FOR HIS WORK. PATCHING SHALL INCLUDE EVERYTHING TO MATCH ADJACENT SURFACES..

13. THE CONTRACTOR SHALL COORDINATE ALL DEVICES ASSOCIATED WITH MECHANICAL, PLUMBING AND ARCHITECTURAL EQUIPMENT INDICATED TO HAVE POWER CONNECTIONS WITH CONTRACTOR PROVIDING EQUIPMENT PRIOR TO ORDERING DEVICES AND ROUGH-INS. THE CONTRACTOR SHALL REQUEST SHOP DRAWINGS FOR ALL EQUIPMENT REQUIRING POWER BEFORE ROUGH-IN. ANY REWORK REQUIRED DUE TO FAILURE OF COORDINATION SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER.

14. FOR WORK REQUIRED WITHIN AREAS OF THE BUILDING WHERE NO GENERAL TRADES WORK IS REQUIRED, THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR REMOVING AND REPLACING ALL CEILING TILES, INCLUDING INSULATION FOUND ABOVE THE CEILING TO PERFORM HIS WORK. IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO NOTIFY THE ENGINEER AND ARCHITECT IN WRITING WITH DATED PHOTOGRAPHIC EVIDENCE OF ANY DAMAGED CEILING TILES PRIOR TO REMOVAL. OTHERWISE, THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGED CEILING TILES WITHIN THE AREA OF WORK.

15. UNLESS NOTED OTHERWISE, THE CONTRACTOR SHALL PROVIDE FINAL POWER CONNECTIONS TO ALL POWERED EQUIPMENT FURNISHED BY OTHER CONTRACTORS AND THE OWNER, INCLUDING, BUT NOT LIMITED TO AIR HANDLING EQUIPMENT, HEATING EQUIPMENT, COOLING EQUIPMENT, PUMPS, PLUMBING FIXTURE SENSORS, ELECTRIC WATER COOLERS, ELEVATORS, CHAIR LIFTS, KITCHEN EQUIPMENT, GYMNASIUM EQUIPMENT, SHOP EQUIPMENT, SECURITY GRILLES, DOOR HARDWARE, ELECTRONIC SIGNAGE, AUDITORIUM EQUIPMENT, ETC.

16. UNLESS NOTED OTHERWISE, LIGHT SWITCHES INDICATED IN ROOMS SHALL CONTROL THE LIGHTING WITHIN THAT ROOM. WHERE MULTIPLE SWITCHES ARE INDICATED, REFER TO THE ASSOCIATED DRAWING NOTES AND/OR SUB-LETTER DESIGNATION FOR THE LIGHTING TO BE CONTROLLED BY EACH SWITCH.

17. PROVIDE BOX EXTENSIONS WHEREVER WALL MOUNT ELECTRICAL DEVICES, INCLUDING, BUT NOT LIMITED TO RECEPTACLES, DATA JACKS, A/V CONNECTIONS, WALL SWITCHES, ETC. ARE LOCATED AT TACKBOARDS, CABINETS, CASEWORK OR OTHER WALL COVERING, AND CANNOT BE LOCATED ADJACENT DUE TO SPACE CONSTRAINTS, EQUIPMENT REQUIREMENTS OR DIRECT DIRECTION VIA ARCHITECT/ ENGINEER DIRECTION OR ARCHITECTURAL ELEVATIONS. THE DEVICE COVERPLATE SHALL COVER THE OPENING IN THE TACKBOARD, CABINETS, CASEWORK OR WALL COVERING TO CREATE A NICE AND NEAT FLUSH INSTALLATION.

ELECTRICAL LEGEND

(REFER TO SPECIFICATIONS FOR MORE INFORMATION)
NOTE: DIMENSIONS ARE TO CENTER OF DEVICE, UNO.

LIGHTING FIXTURES

(REFER TO LIGHTING FIXTURE SCHEDULE FOR DESCRIPTION AND TYPE)

SYMBOL	DESCRIPTION
▭	– LIGHTING FIXTURE.

SWITCHES

SYMBOL	DESCRIPTION
S	– SINGLE POLE SWITCH – 20 AMP – MOUNT 46" AFF.
S3	– THREE WAY LIGHT SWITCH – 20 AMP – MOUNT 46" AFF.
SLV	– LOW VOLTAGE SWITCH CONNECTED TO LIGHTING CONTROL SYSTEM. PROVIDE SINGLE BUTTON STATION, UNO – MOUNT 46" AFF.
SL	– LOW VOLTAGE ON/OFF SWITCH CONNECTED TO LIGHTING CONTROL SYSTEM. PROVIDE SINGLE BUTTON STATION, UNO – MOUNT 46" AFF.
SLD	– LOW VOLTAGE DIMMER STATION CONNECTED TO LIGHTING CONTROL SYSTEM – MOUNT 46" AFF.
SOS	– OCCUPANCY SENSING WALL SWITCH – MOUNT 46" AFF.

RECEPTACLES

SYMBOL	DESCRIPTION
⊜	– DUPLEX RECEPTACLE – 20 AMP – 120 VOLT 18" AFF.
GF⊜	– GROUND FAULT RECEPTACLE – INDIVIDUAL TYPE – 18" ABOVE FINISHED FLOOR.
⊛	– SPECIAL OUTLET – SIZE AND TYPE INDICATED – 18" AFF.
C⊜	– DUPLEX RECEPTACLE – 20AMP, 120VOLT – ((C) INDICATES MOUNTED ABOVE COUNTER OR HEIGHT ABOVE BACKSPLASH. COORDINATE EXACT LOCATION WITH ARCHITECT AND CASEWORK DRAWINGS.)
REF⊜	– DUPLEX RECEPTACLE – 20AMP, 120VOLT – ((REF) INDICATES MOUNT AT 46" AFF FOR FULL HEIGHT REFRIGERATOR. COORDINATE EXACT LOCATION WITH ARCHITECT AND CASEWORK DRAWINGS.)
⊜⊜⊜	– PLUGMOLD WITH RECEPTACLES 12" OC IVORY (VERIFY MOUNTING HEIGHT) WIREMOLD V24GBA SERIES OR EQUAL BY HUBBELL (2-CIRCUIT).
⊘P4	– POWER POLE – UNO, PROVIDE WIREMOLD AMDTP-4 SERIES – PROVIDE (2) DUPLEX RECEPTACLES AND (2) COMMUNICATIONS PLATES. PROVIDE ALL 20A ACCESSORIES, INCLUDING, BUT NOT LIMITED TO CEILING TRIM PLATES, POLE CLAMP, FOOT PAD, ETC. FOR A COMPLETE INSTALLATION. ACTIVATION COVER PLATE. PROVIDE 3/4" CONDUIT FOR POWER WIRING.

EQUIPMENT

SYMBOL	DESCRIPTION
J	– JUNCTION BOX – PROVIDE FINAL CONNECTION TO EQUIPMENT AND OR BLANK COVERPLATE.
◯	– MOTOR – SIZE AND TYPE AS INDICATED – BY OTHERS. PROVIDE FINAL CONNECTIONS.
⊠	– MOTOR CONTROLLER – BY OTHERS. PROVIDE FINAL CONNECTIONS.
▭	– EXISTING PANELBOARD.
◨	– NON-FUSED DISCONNECT SWITCH – SIZE AND TYPE INDICATED.
◨F	– FUSED DISCONNECT SWITCH – SIZE AND TYPE INDICATED (PROVIDE FUSES AS PER EQUIPMENT MANUFACTURERS REQUIREMENTS).
D	– CABLE REEL DROP – PROVIDE IRONTON RETRACTABLE EXTENSION CORD REEL WITH TRIPLE TAP, 40FT., 12/3 SJT, 15AMPS, 1650W OR EQUAL.

COMMUNICATION SYSTEMS

SYMBOL	DESCRIPTION
▷	– BLANK JUNCTION BOX FOR FUTURE DATA OUTLET FLUSH MOUNTED SINGLE GANG 3 1/2" DEEP OUTLET, 18" AFF WITH 1" CONDUIT TO ACCESSIBLE CEILING PLENUM. FUTURE DEVICE AND WIRING BY OWNER.
🕒	– EXISTING CLOCK

WIRING

SYMBOL	DESCRIPTION
◂———	HOMERUN TO APPLICABLE PANEL – WIRING SHALL BE 2#12 AWG WITH SEPARATE GROUND WIRE IN 3/4" CONDUIT UNLESS OTHERWISE NOTED.
———	WIRING – CONCEALED AS SPECIFIED OR AS OTHERWISE NOTED.
-//-	EQUIPMENT CONNECTED TO SAME CIRCUIT EXCEPT SEPARATELY CONTROLLED.
o-	INDICATES VERTICAL RUN OF SURFACE RACEWAY TO ACCESSIBLE CEILING PLENUM.
(1)——▸	INDICATES DRAWING NOTE NUMBER.

ABBREVIATIONS

SYMBOL	DESCRIPTION
AFF	– ABOVE FINISHED FLOOR
AFG	– ABOVE FINISHED GRADE
EF	– EXHAUST FAN – BY OTHERS. PROVIDE FINAL CONNECTIONS.
EN	– EXISTING LOCATION – NEW DEVICE, BACK BOX AND COVERPLATE. EXTEND CIRCUITING ACCORDINGLY.
ER	– EXISTING ITEM TO BE REMOVED
ERL	– EXISTING ITEM TO BE RELOCATED
EX	– EXISTING ITEM TO REMAIN
UNO	– UNLESS NOTED OTHERWISE
WP	– WEATHER PROOF
NFDS	– NON FUSED DISCONNECT SWITCH
FDS	– FUSED DISCONNECT SWITCH
C	– INDICATES DEVICES TO BE INSTALLED ABOVE COUNTERTOP OR BACKSPLASH. COORDINATE EXACT LOCATION WITH ARCHITECTURAL CASEWORK DRAWINGS.

NOTE: THE ABOVE ELECTRICAL LEGEND IS STANDARD. SOME ITEMS LISTED ARE NOT NECESSARILY USED ON THIS PROJECT. ALL ITEMS LISTED SHALL BE PROVIDED BY THIS CONTRACTOR UNLESS NOTED OTHERWISE.

NORTH

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ELECTRICAL LEGEND

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E-6

EXISTING SQAURE D NF

WITH GRD. BAR & 100% RATED NEUTRAL — AIC RATING 18,000
PANEL PD201 — MAINS 125A MCB — ø 3 — WIRES 4 — POLES 54
VOLTS 277/480 — MOUNTING FLUSH — LOCATION 2ND FLOOR CORRIDOR

REMARKS AND LOCATION	LOAD	BKR	CKT	CKT	BKR	LOAD	REMARKS AND LOCATION
LTS. 201, 206		20	1	2	20		LTS TOILET RMS. 204, 205
207, 209			3	4			208
241, 242			5	6			202, 203, STORAGE
241, OFFICE & 243			7	8			200, STORAGE
NORTH CORRIDOR			9	10			200
			11	12			200
			13	14			
			15	16	20		
FEED TO CAFE		50	17	18			
TRANSFORMER IN			19	20	3		AHU 200
ROOM 200		3	21	22			
BLANK SPACE			23	24			BLANK SPACE
			25	26			
			27	28			
			29	30			
		15	31	32	15		
PAH-1A SENIOR CAFE			33	34			PAH-1B SENIOR CAFE
		3	35	36	3		
		70	37	38	15		
TRANSFORMER			39	40	HL		PHASE LOSS
COMPUTER ROOM		3	41	42	3		
LTS. SENIOR CAFE	1700	20	43	44	20	1300	LTS. CORRIDOR
LTS. CLASSROOMS	2300	20	45	46	20	2300	LTS. CLASSROOMS
SPARE		20	47	48	20	2300	LTS. CLASSROOMS
		20	49	50	20		LTS. CORRIDOR
			51	52			LTS. CORRIDOR
			53	54			SPARE

EXISTING SQUARE D NQ

WITH GRD. BAR & 100% RATED NEUTRAL — AIC RATING 10,000
PANEL PB206 — MAINS 400A MLO — ø 3 — WIRES 4 — POLES 72
VOLTS 120/208 — MOUNTING FLUSH — LOCATION CORRIDOR

	REMARKS AND LOCATION	LOAD	BKR	CKT	CKT	BKR	LOAD	REMARKS AND LOCATION	
Y	RECPT. RM. 233		20GF	1	2	20GF		RECPT. RM. 239	Y
	242		20	3	4	20		243	W
W	242		20	5	6	20GF		239	Y
	UNIT VENT 241 & 242		20	7	8	20		UNIT VENT 243	
	RECPT. RM. 232		20	9	10	20GF		RECPT RM. 239	Y
Y	233		20GF	11	12	20GF		RECPT. RM. 241	Y
	GARBAGE DISPOSER		20	13	14	20GF		FAN COIL 241	Y
Y	RECPT. RM. 241		20GF	15	16	20		UNIT VENT 204, 205	
Y	241		20GF	17	18	20		RECPT. RM. 204, 205	
Y	233		20GF	19	20	20GF		239	Y
	WASHER PANTRY 232		20	21	22	20GF		233	Y
	RECPT. RM. 232			23	24	20GF		233	Y
	WASHER PANTRY 233			25	26	100			
	RECPT. RM. 232			27	28			PANEL PB206A	
	DISHWASHER 239			29	30	3			
	CORRIDOR FAN COIL			31	32	20	720	RECPT'S ART 203	Z
	OFFICE FAN COIL			33	34		720	RECPT'S ART 203	Z
	SAF-3			35	36		720	RECPT'S ART 203	Z
	UNIT VENT			37	38			SPARE	
	CORR. UNIT VENT			39	40			SPARE	
				41	42	20GF		RECPT. RM. 241	X
	SPARE		20	43	44	20	900	RECPT'S ART 246	Y
			20	45	46	20	900	RECPT'S ART 246	Y
			20	47	48	20	900	RECPT'S ART 246	Y
			20	49	50	20	600	RECPT. KILN FAN ART 245	Y
			20	51	52	20	900	RECPT'S ART 245	Y
			20	53	54	20	600	CORD REEL DROP ART 245	Y
X	RECPT. RM. 241		20GF	55	56	20	600	CORD REEL DROP ART 245	Y
	BLANK SPACE			57	58	20	900	RECPT'S ART 245	Y
				59	60	20	900	RECPT'S ART 244	Y
				61	62	20	1080	RECPT'S ART 244	Y
				63	64	20	900	RECPT'S ART 244	Y
				65	66	20	600	RECPT. KILN FAN ART 244	Y
				67	68			BLANK SPACE	
				69	70				
				71	72				

EXISTING SQUARE D NQ

WITH GRD. BAR & 100% RATED NEUTRAL — AIC RATING 10,000
PANEL P16 — MAINS 225A MLO — ø 3 — WIRES 4 — POLES 42
VOLTS 120/208 — MOUNTING FLUSH — LOCATION STORAGE

REMARKS AND LOCATION	LOAD	BKR	CKT	CKT	BKR	LOAD	REMARKS AND LOCATION
KNIGHT GALLERY		20	1	2	20		KILN ART ROOM 210
RECPT. ART ROOM 210		20	3	4			RECPT. ART ROOM 210
PLUGMOLD EAST WALL		20	5	6			RECPT. ART ROOM 213
PLUGMOLD EAST WALL RM 210		20	7	8			PLUGMOLD EAST WALL ROOM 212
PLUGMOLD WEST WALL ROOM 213			9	10			PLUGMOLD EAST WALL
FLOOR RECPT.			11	12			CASTING RECPT.
		40	13	14			PLUGMOLD WEST WALL ROOM 210
KILN ART ROOM 238	10,548		15	16			RECPT'S DARK ROOM
		3	17	18			RECPT'S CAFETERIA OFFICE
		50	19	20	30		
KILN ART ROOM 244			21	22	2		AIR CONDITIONER CAFE OFFICE
		3	23	24	20		COMPUTERS CAFE OFFICE
RECPT. CORD REEL ART ROOM	1650	20	25	26	80		LARGE KILN ROOM 245
RECPT. CORD REEL ART ROOM	1650	20	27	28	2		
RECPT. CORD REEL ART ROOM	1650	20	29	30	20		SPARE
BLANK SPACE			31	32	20		SPARE
			33	34	20		SPARE
			35	36			BLANK SPACE
			37	38			
			39	40			
			41	42			

EXISTING SQUARE D NF

WITH GRD. BAR & 100% RATED NEUTRAL — AIC RATING 18,000
PANEL PD210 — MAINS 400A MLO — ø 3 — WIRES 4 — POLES 42
VOLTS 277/480 — MOUNTING FLUSH — LOCATION CORRIDOR

REMARKS AND LOCATION	LOAD	BKR	CKT	CKT	BKR	LOAD	REMARKS AND LOCATION
LIGHTS RM 232, PANTRY		20	1	2	20		LTS. RM. 234, 235
SPARE		20	3	4			238
LTS. RM. 239			5	6			GIRLS/BOYS LOCKER ROOMS
OLD GYM EAST			7	8			STAIRS OLD GYM
CENTER			9	10			CORRIDOR
WEST			11	12			OLD GYM PERIMETER
		20	13	14			
			15	16	20		SPARE
		3	17	18			SPARE
LIGHTS RM. 233		20	19	20			SPARE
SPARE		20	21	22			BLANK SPACE
BLANK SPACE			23	24			
			25	26			
			27	28			
			29	30			
			31	32			
			33	34			
			35	36			
			37	38	15		
			39	40	HL		PHASE LOSS
			41	42	3		

EXISTING SQUARE D NQ

WITH GRD. BAR & 100% RATED NEUTRAL — AIC RATING 10,000
PANEL PB211 — MAINS 400A MLO — ø 3 — WIRES 4 — POLES 72
VOLTS 120/208 — MOUNTING FLUSH — LOCATION CORRIDOR

REMARKS AND LOCATION	LOAD	BKR	CKT	CKT	BKR	LOAD	REMARKS AND LOCATION
REC. RM. 234, 238		20	1	2	20		PLUGMOLD RM 234
238			3	4			REC. RM. 234 SMOKE CHECK
238			5	6			234
238			7	8			PLUGMOLD RM. 238
238			9	10			HIGH WATS SHOWER RMS.
PLUGMOLD RM. 238			11	12			UNIT VENT OLD GYM
UNIT VENT 238			13	14			LOCKER/CORR.
FAN COIL RM. 239			15	16			REC BOYS LOCKER RM.
UNIT VENT 232, 233			17	18			GIRLS
FAN COIL RM. 232, 233			19	20			WATER COOLER
REC. RM. 235 SMOKE CHECK			21	22			HOOD LTS. 234, 239
UNIT VENT RM. 238, 239			23	24			REC. CORR. @ PANEL
			25	26			GARBAGE DISPOSER
UNIT VENT RM. 234, 235			27	28			
HAND DRYER GIRLS LOCKER RM.		30 GF	29	30			HOODS LTS. 232, 233
		30 GF	31	32	30	GF	HAND DRYER GIRLS LOCKER RM.
		30 GF	33	34	30	GF	
BOYS LOCKER ROOM		30 GF	35	36	30	GF	
FIRE ALARM SYS.		20 HL	37	38	30	GF	BOYS
SAF-02		20	39	40	30		DRYER RECPT.
SAF-01		20	41	42	2		
EF-1		20	43	44	20	600	RECPT KILN FAN ART 238
COOR. UNIT VENT.			45	46		900	RECPT'S ART 238
SPARE			47	48		360	RECPT'S PLUGMOLD
SPARE			49	50		360	RECPT'S PLUGMOLD
TOILET RM. HAND DRYER	800	GF	51	52		1080	RECPT'S ART 238
TOILET RM. HAND DRYER	800	GF	53	54		900	RECPT'S ART 238
SEWAGE EJECTOR PUMP	600	20	55	56			BLANK SPACE
RECPT. CORD REEL ART ROOM	1650	20	57	58			
RECPT. CORD REEL ART ROOM	1650		59	60			
RECPT. CORD REEL ART ROOM	1650		61	62			
RECPT. CORD REEL ART ROOM	1650		63	64			
SPARE			65	66			
			67	68			
			69	70			
			71	72			

EXISTING SQUARE D NQ

WITH GRD. BAR & 100% RATED NEUTRAL — AIC RATING 10,000
PANEL PC214-A — MAINS 100A MLO — ø 3 — WIRES 4 — POLES 30
VOLTS 120/208 — MOUNTING SURFACE — LOCATION STORAGE

	REMARKS AND LOCATION	LOAD	BKR	CKT	CKT	BKR	LOAD	REMARKS AND LOCATION	
Y	MICROWAVE RM 233 NORTH COUNT.		20GF	1	2	20GF		MICROWAVE RM 239 CENTER COUNT.	Y
Y	MICROWAVE RM 233 NORTH COUNT.		20GF	3	4	20GF		MICROWAVE RM 239 CENTER COUNT.	Y
Y	MICROWAVE RM 233 NORTH COUNT.		20GF	5	6	20GF		MICROWAVE RM 239 CENTER COUNT.	Y
Y	MICROWAVE RM 233 NORTH COUNT.		20GF	7	8	20GF		MICROWAVE RM 241 CENTER COUNT.	Y
Y	MICROWAVE RM 233 NORTH COUNT.		20GF	9	10	20GF		MICROWAVE RM 241 CENTER COUNT.	Y
Y	MICROWAVE RM 233 NORTH COUNT.		20GF	11	12	20GF		MICROWAVE RM 241 CENTER COUNT.	Y
Y	MICROWAVE RM 239 NORTH COUNT.		20GF	13	14	20GF		MICROWAVE RM 241 CENTER COUNT.	Y
Y	MICROWAVE RM 239 NORTH COUNT.		20GF	15	16	20GF		MICROWAVE RM 241 CENTER COUNT.	Y
Y	MICROWAVE RM 239 NORTH COUNT.		20GF	17	18	20GF		MICROWAVE RM 241 CENTER COUNT.	Y
Y	POWER POLE FCS 241	360	20	19	20	20GF		SPARE	Y
Y	POWER POLE FCS 241	360	20	21	22	20GF		SPARE	Y
	BLANK SPACE			23	24	20GF		SPARE	Y
				25	26			BLANK SPACE	
				27	28				
				29	30				

PANEL SCHEDULE DRAWING NOTES:

W. TRACE OUT EXISTING BRANCH CIRCUIT AND SEPARATE BRANCH CIRCUIT FOR ROOM 241 AND EXTEND TO NEW GROUND FAULT CIRCUIT BREAKER THIS PANEL. MATCHING QUANTITY AND WIRE SIZE AS EXISTING. REVISE CIRCUIT BREAKER DIRECTORY CARD ACCORDINGLY.

X. EXTEND CIRCUIT FROM THIS PANEL TO NEW GROUND FAULT CIRCUIT BREAKER. LABEL CIRCUIT DIRECTORY CARD ACCORDINGLY.

Y. PROVIDE NEW CIRCUIT BREAKER INDICATED AND CONNECT. REMOVE EXISTING CIRCUIT BREAKER WHERE APPLICABLE.

Z. CONNECT TO SPARE 20A-1P CIRCUIT BREAKER.

NORTH

REVISIONS

	DESCRIPTION	DATE
1	OWNER REQUESTED REDESIGN	11/10/26

CONSULTING ENGINEERS
1 Meridian Boulevard, Suite 2B04
Wyomissing, PA 19610
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GORDON WEALTH JOCA
REGISTERED PROFESSIONAL ENGINEER
CHRISTOPHER D. MACHAMER
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3700 PERKIOMEN AVENUE, READING, PA 19606-2795
Phone: 610.779.3220 Fax: 610.779.8022
www.aem-arch.com

PANEL SCHEDULES

RENOVATIONS TO ART ROOMS AND FCS ROOMS at
READING HIGH SCHOOL
READING SCHOOL DISTRICT
801 NORTH 13TH STREET, READING, BERKS COUNTY, PA

ALL DIMENSIONS and EXISTING CONDITIONS shall be CHECKED and VERIFIED by the CONTRACTOR at the SITE.

JOB NO.: 26007.00
DRAWN BY: SN
DATE: 10.16.26

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