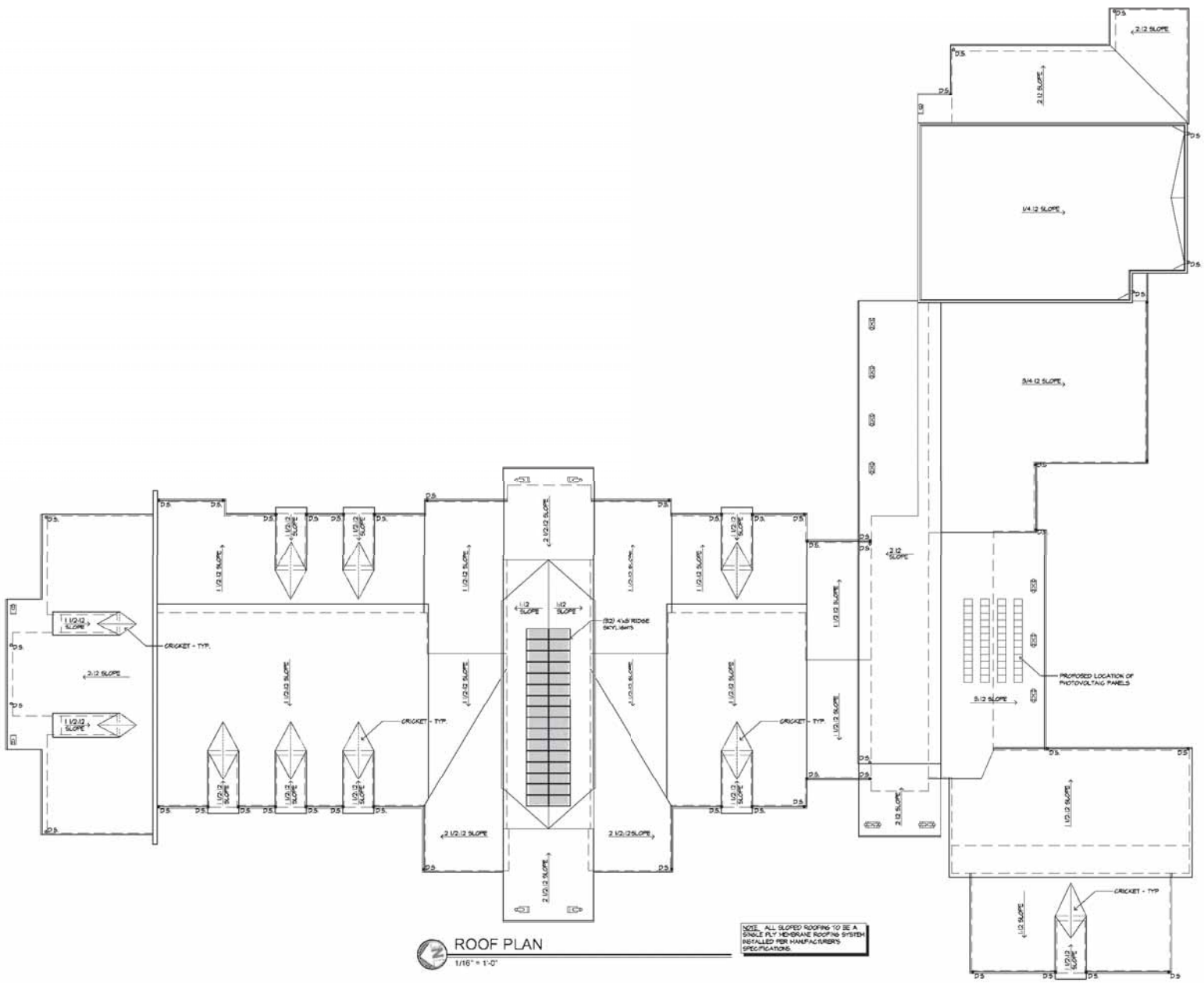

ROOF PLAN
1/16" = 1'-0"

NOTE: ALL SLOPED ROOFING TO BE A SINGLE PLY MEMBRANE ROOFING SYSTEM INSTALLED PER MANUFACTURER'S SPECIFICATIONS

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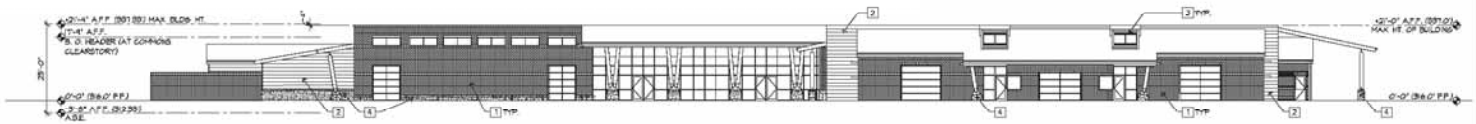
CONSTR. DOCS:	

24"x36" SCALED/16" = 1'-0"	
PLOT DATE:	04/22/11
CAD FILE:	10-022_A21
JOB NUMBER:	10-022
CHECKED:	
DRAWN:	GSS
STATUS: SCHEMATIC DESIGN	

ROOF PLAN
A2.2

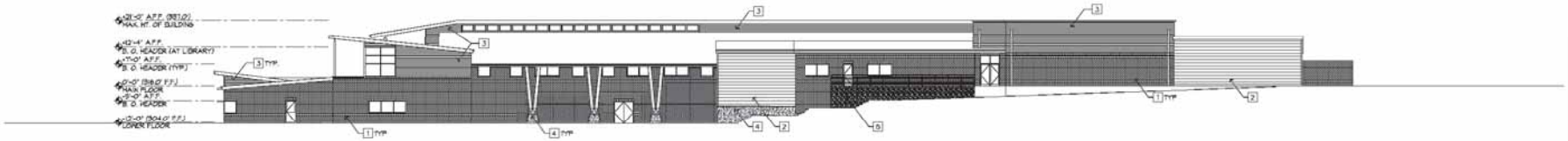
KEY NOTES

1. BRICK VENEER – TYP.
2. 12" WIDE FLAT MONOLITHIC METAL SIDING
3. HORIZONTAL BOX RIB METAL WALL PANEL SIDING
4. SMOOTH FINISH CONCRETE
5. GABION RETAINING WALL

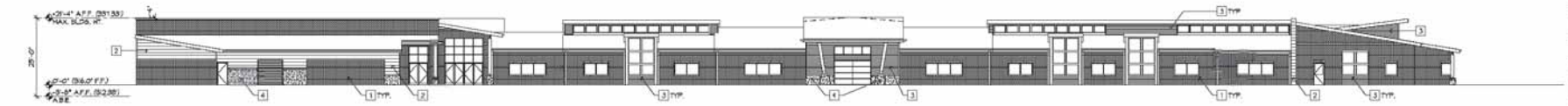


1 NORTH ELEVATION
SCALE: 1/16" = 1'-0"

2 WEST ELEVATION
SCALE: 1/16" = 1'-0"



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



4 EAST ELEVATION
SCALE: 1/16" = 1'-0"

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24"x36" SCALE:	1/16"=1'-0"
PLOT DATE:	04/22/13
CAD FILE:	10-022_A3
JOB NUMBER:	10-022
CHECKED:	
DRAWN:	GSS
STATUS: SCHEMATIC DESIGN	

ELEVATIONS
A3.1

1 SOUTHWEST VIEW
SCALE = N.T.S.

2 SOUTHEAST VIEW
SCALE = N.T.S.

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BID SET
CONSTR. SET

24"x36" SCALE: 1/8" = 1'-0"
PLOT DATE: 03/08/11
CAD FILE: 10-033_A3
JOB NUMBER: 10-033
DRAWN:
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SHEET TITLE
A3.2

3 NORTHEAST VIEW
SCALE = N.T.S.

4 NORTHWEST VIEW
SCALE = N.T.S.

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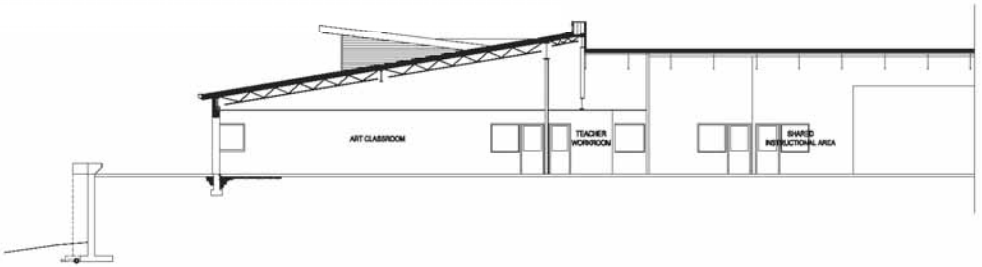
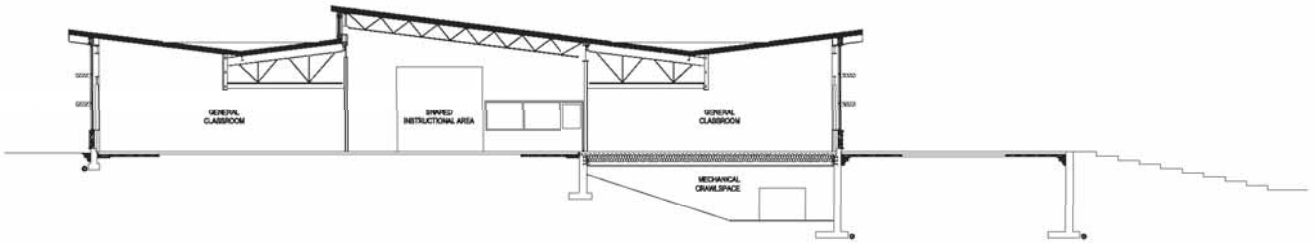
24"x36" SCALE: 1/8" = 1'-0"
PLOT DATE: 03/06/09
CAD FILE: 10-033_A3
JOB NUMBER: 10-033
CHECKED:
DRAWN: RBS
STATUS: SCHEMATIC DESIGN

SKETCH-UP VIEWS

A3.3



SECTION A-A
1/8" = 1'-0"



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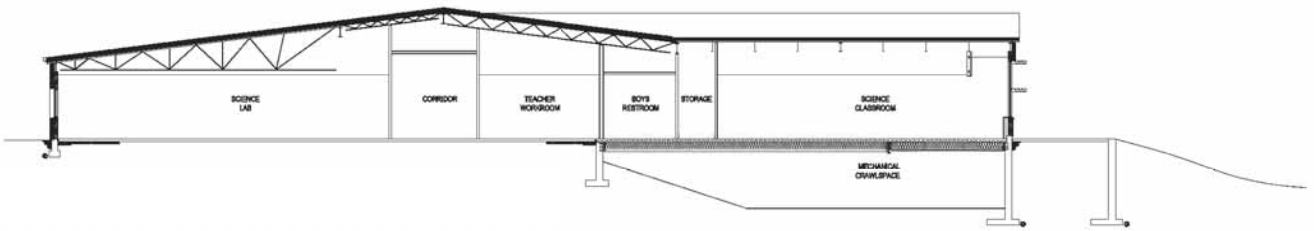

SECTION C-C
1/8" = 1'-0"

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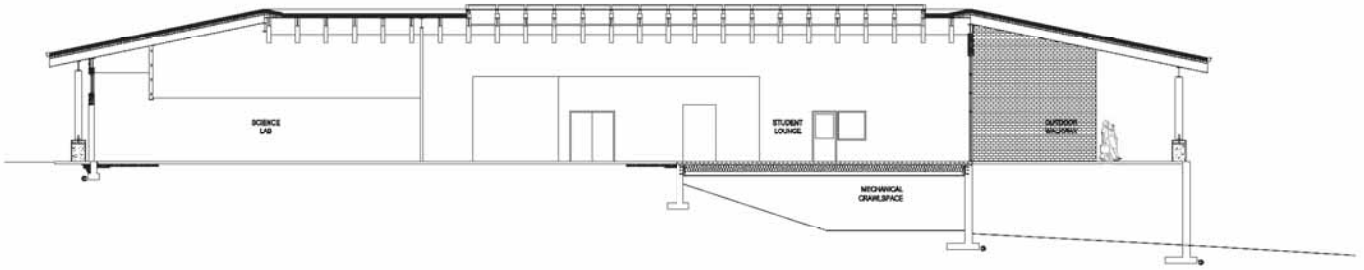
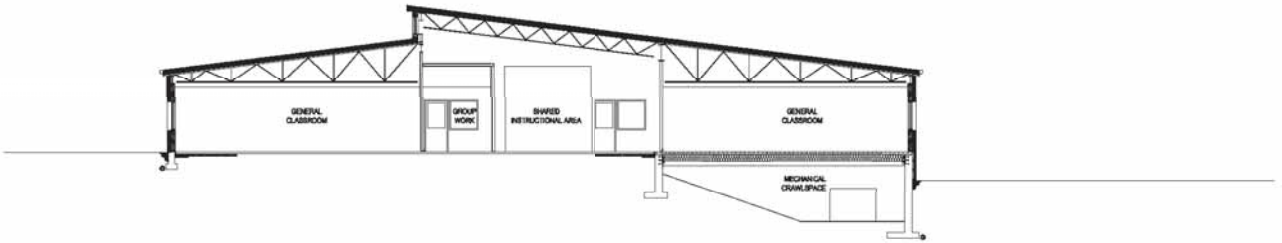
PLOT DATE:	04/22/15
CAD FILE:	10-022_A41
JOB NUMBER:	10-022
CHECKED:	
DRAWN:	BDC/GSS
STATUS: SCHEMATIC DESIGN	

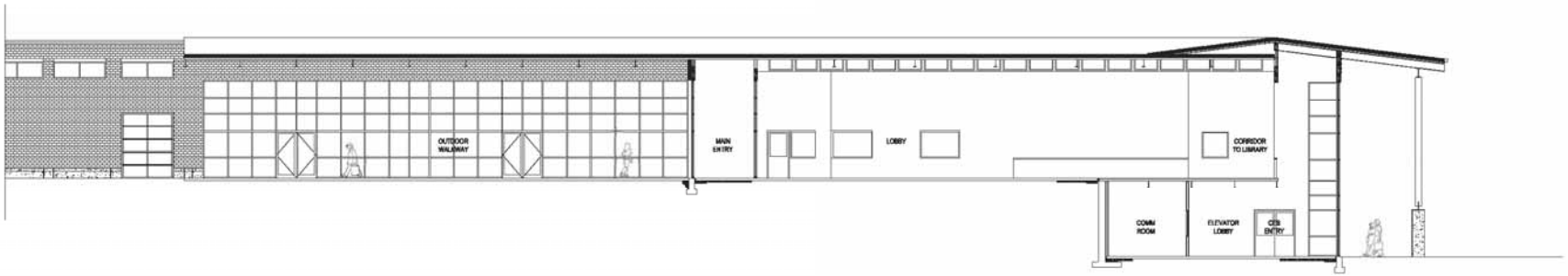
BUILDING SECTIONS
A4.1



SECTION D-D
1/8" = 1'-0"



SECTION E-E
1/8" = 1'-0"



SECTION F-F
1/8" = 1'-0"

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PLOT DATE: 04/22/11
CAD FILE: 10-022_A4.1
JOB NUMBER: 10-022
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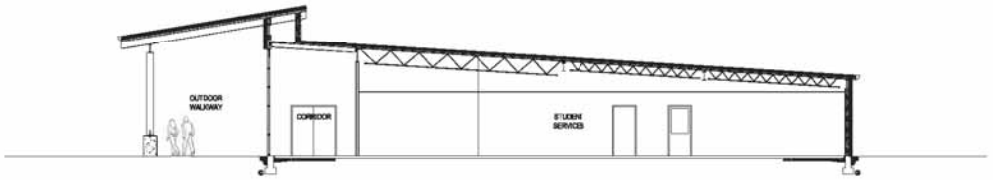
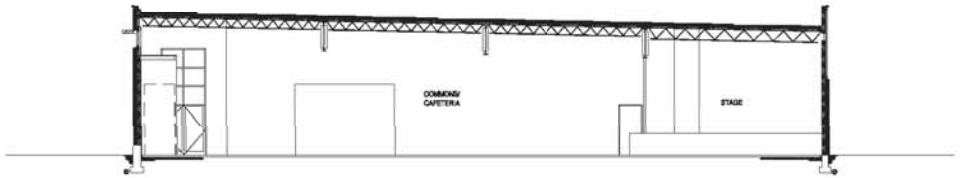
DRAWN: BDC/GSS
STATUS: SCHEMATIC DESIGN

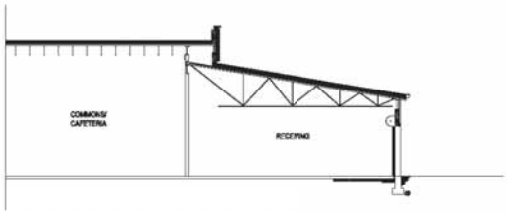
BUILDING SECTIONS
A4.2



SECTION G-G
1/8" = 1'-0"



SECTION H-H
1/8" = 1'-0"



SECTION J-J
1/8" = 1'-0"

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PLOT DATE:	04/22/11
CAD FILE:	10-022_A43
JOB NUMBER:	10-022
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DRAWN:	BDC/GSS
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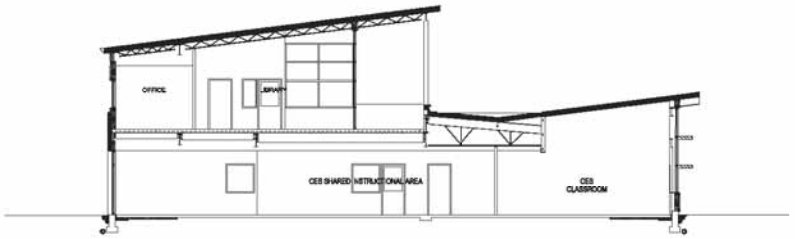
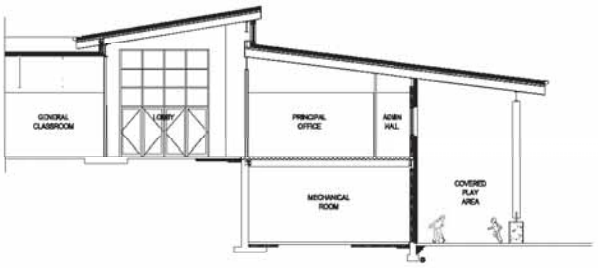
BUILDING SECTIONS
A4.3



SECTION K-K
1/8" = 1'-0"



SECTION L-L
1/8" = 1'-0"

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CAD FILE:	10-022_A44
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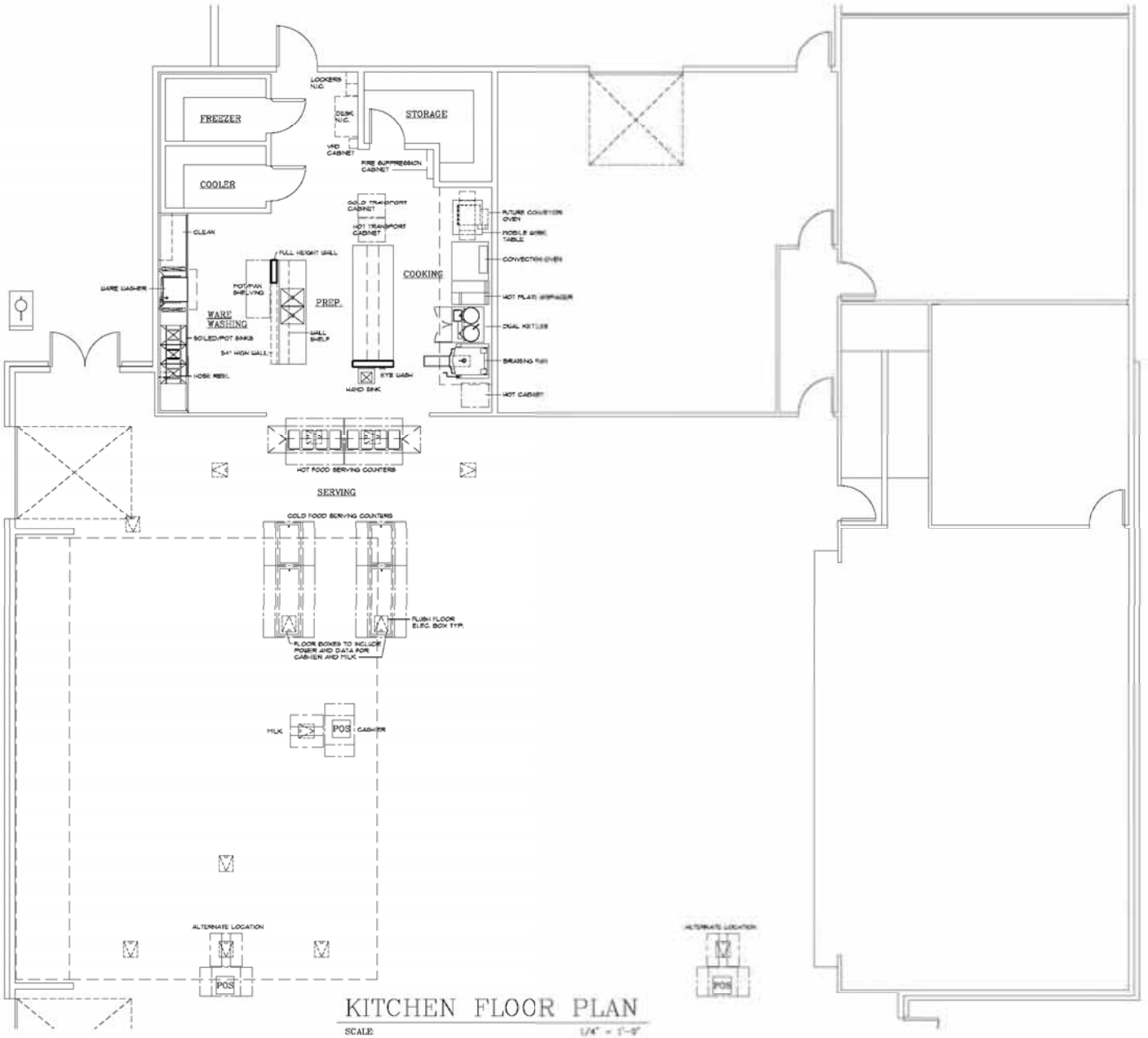
BUILDING SECTIONS
A4.4



KITCHEN FLOOR PLAN

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

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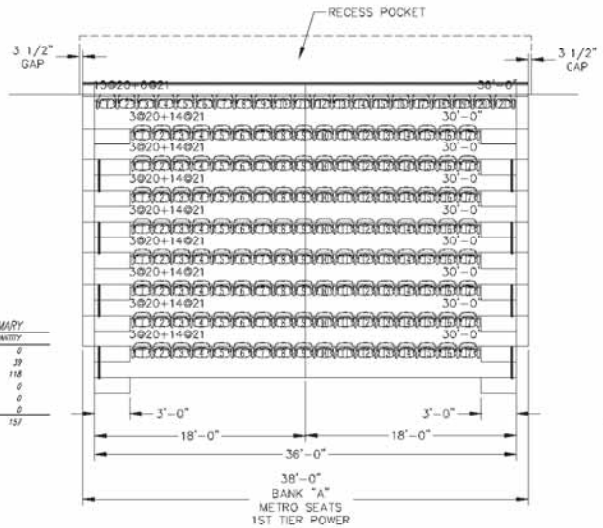
K1

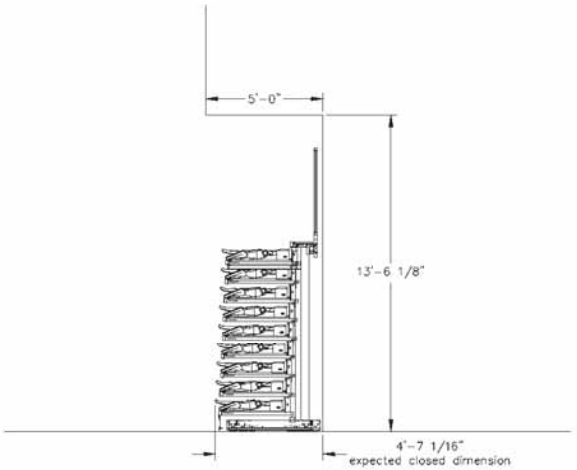
ADA COMPLIANCE WARNING:

BANK(S) AS SHOWN DOES NOT PROVIDE ADEQUATE ADA SEATING. TO MEET CODE REQUIREMENTS, ADA ACCESSIBLE SEATING MUST BE PROVIDED ELSEWHERE IN THE FACILITY.



SEATING SUMMARY

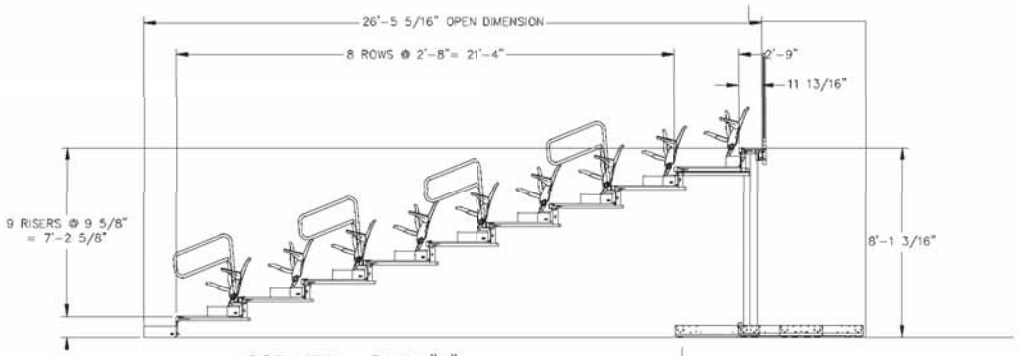
SIZE	QUANTITY
19"	0
20"	39
21"	118
22"	0
23"	0
24"	0
TOTAL:	157



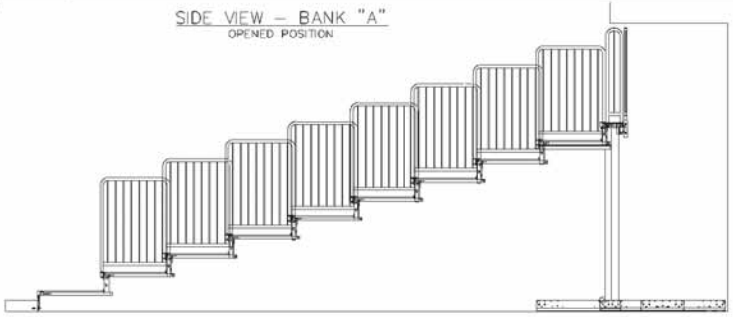
SIDE VIEW – BANK "A"
CLOSED POSITION

BANK SUMMARY

BANK "A":
MAXAM 33 (RECESS)
9 5/8" RISE
32" ROW SPACING
10 TIER
1ST TIER POWER
METRO SEATS



SIDE VIEW – BANK "A"
OPENED POSITION



SIDE VIEW – BANK "A"
END RAILS

Last Modified: Jan 18, 2011 – 9:50am Plotted on: Jan 18, 2011 – 9:50am

HUSSEY SEATING COMPANY
Your partner for seating solutions
38 DYER STREET EXT.
NORTH BERWICK, ME 03906
TELEPHONE: (207) 676-2271 FAX: (207) 676-9690

IMPORTANT

THIS PLAN HAS BEEN DRAWN IN ACCORDANCE WITH THE INFORMATION SUPPLIED BY THE ARCHITECT, AND/OR DEALER. HUSSEY SEATING Co. DOES NOT ACCEPT ANY RESPONSIBILITY FOR THE ACCURACY, OR RELEVANCE, SHOULD THERE BE ANY DEVIATION FROM THE INFORMATION SUPPLIED WITHOUT THE APPROVAL OF HUSSEY SEATING CO.

GENERAL NOTES

1. DEALER WILL VERIFY ALL DIMENSIONS AND INFORMATION SHOWN, INSURE THAT ALL FIELD CHECKED INTERMEDIATE DIMENSIONS EQUAL THEIR CORRESPONDING OVERALL DIMENSION, AND RETURN THIS DRAWING WITH THE APPROPRIATE SIGNATURES FOR FURTHER ACTION.
2. HUSSEY SEATING Co. WILL ASSUME RESPONSIBILITY FOR MANUFACTURING AND SUPPLYING PRODUCT ACCORDING TO THIS DRAWING AND APPROVAL.
3. THE ARCHITECT, GENERAL CONTRACTOR AND OWNER WILL INSURE THAT FLOORING IS LEVEL WITHIN ±1/8" IN 8'-0" AND THAT THE FLOORING IS CONTINUOUS.
4. THE LAYOUT SHOWN IS DRAWN PER HUSSEY SEATING CO. INTERPRETATION OF: CURRENT LAY OUT PER IBC 2006
IF THE APPLICABLE CODE IS DIFFERENT THAN THE ONE STATED, PLEASE INDICATE ON THE LINE PROVIDED:
IF NO OTHER CODE IS INDICATED, IT IS ASSUMED THAT THE DEALER/ARCHITECT IS AWARE OF THE CODE APPLIED TO THE LAYOUT SHOWN, AND THAT HUSSEY SEATING Co CANNOT BE HELD RESPONSIBLE IF ANY DEVIATION OCCURS.
5. HUSSEY SEATING COMPANY STRIVES TO CONTINUOUSLY IMPROVE IT'S PRODUCT AND MANUFACTURING METHODS. THE COMPANY RESERVES THE RIGHT TO MAKE CHANGES WITHOUT NOTICE WHEN, IN THE OPINION OF THE COMPANY, SUCH CHANGES IMPROVE THE PRODUCT OR IT'S PERFORMANCE.

REV	CHK	DATE	DESCRIPTION
1	XXX	2/08	REVISION
			REVISION
			REVISION

REVISIONS

SMOKE PROTECTED RATING
UNKNOWN

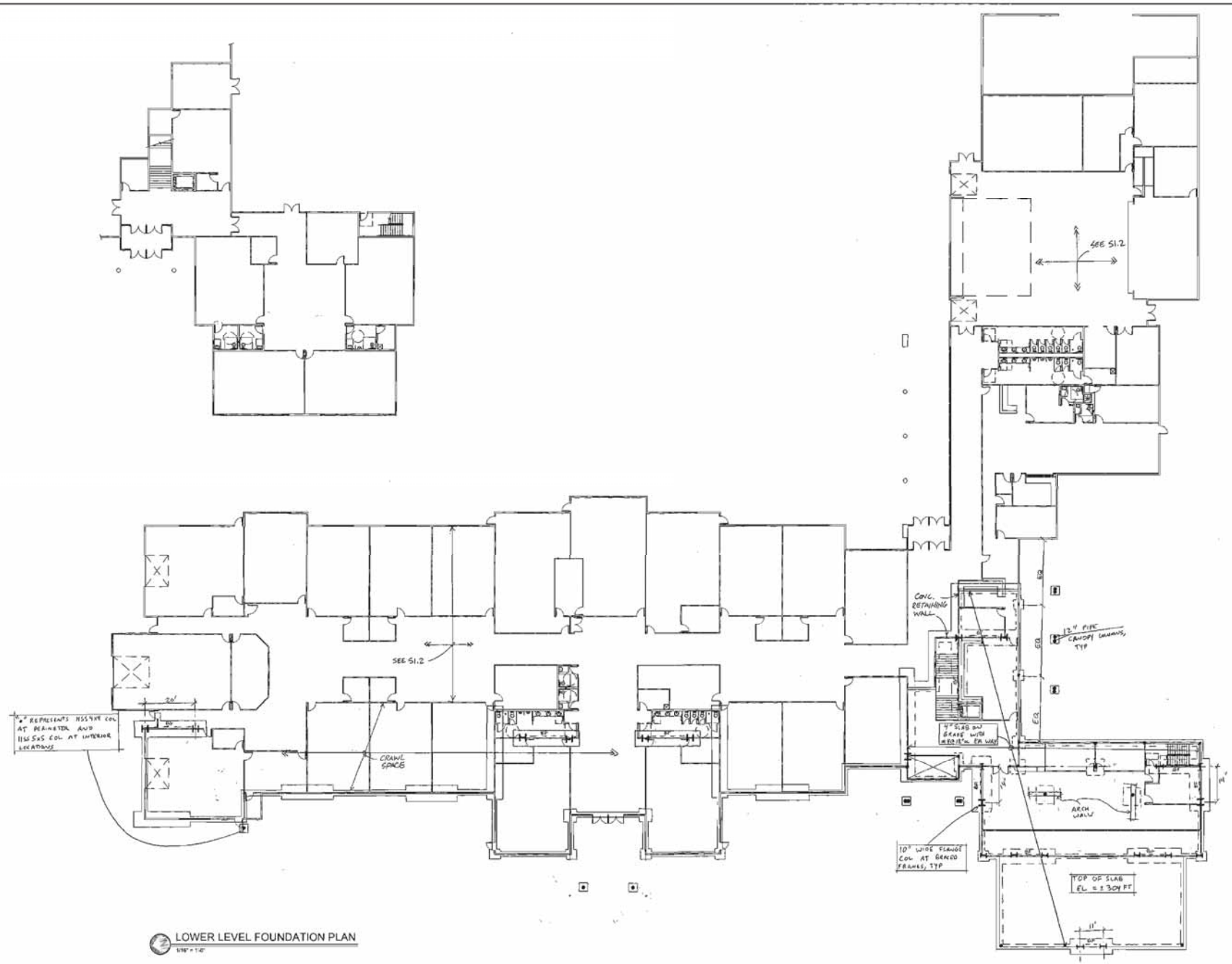
FIELD SUMMARY (REQUIRED WITH FIELD CHECK)
FLOOR CONSTRUCTION: TBD
WALL CONSTRUCTION: TBD
ATTACHMENT TYPE: TBD

Field Check By: _____ Date: _____
Approval By: _____ Date: _____

KEY PLAN & SIDE VIEW
INTERNATIONAL COMMUNITY SCHOOL
REDMOND, WASHINGTON

DRAWN BY: J CARTER DATE: 1/18/2011
CHKD BY: _____ DATE: _____
SCALE: AS NOTED

CAD NO.	JOB NO.	DRAWING NO.
OPT_1	MAX-062	KPSV01



LOWER LEVEL FOUNDATION PLAN

1/16" = 1'-0"

kpff Consulting Engineers

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24"x36" SCALE:	
PLOT DATE:	4/22/11
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JOB NUMBER:	10-022
CHECKED:	JOS
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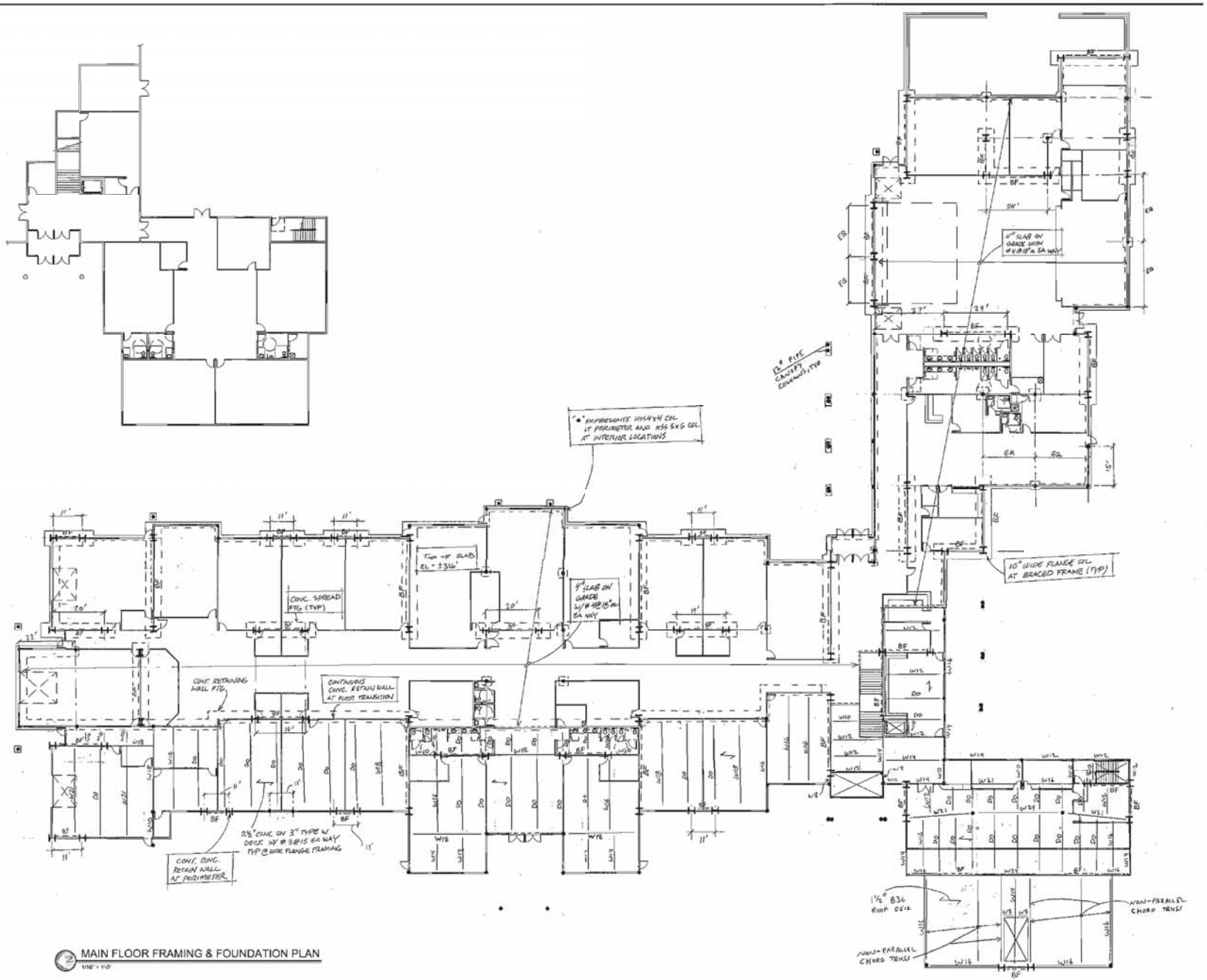
STATUS: SCHEMATIC DESIGN	

LOWER LEVEL FOUNDATION PLAN

S1.1



MAIN FLOOR FRAMING & FOUNDATION PLAN

1/16" = 1'-0"

kpff consulting engineers

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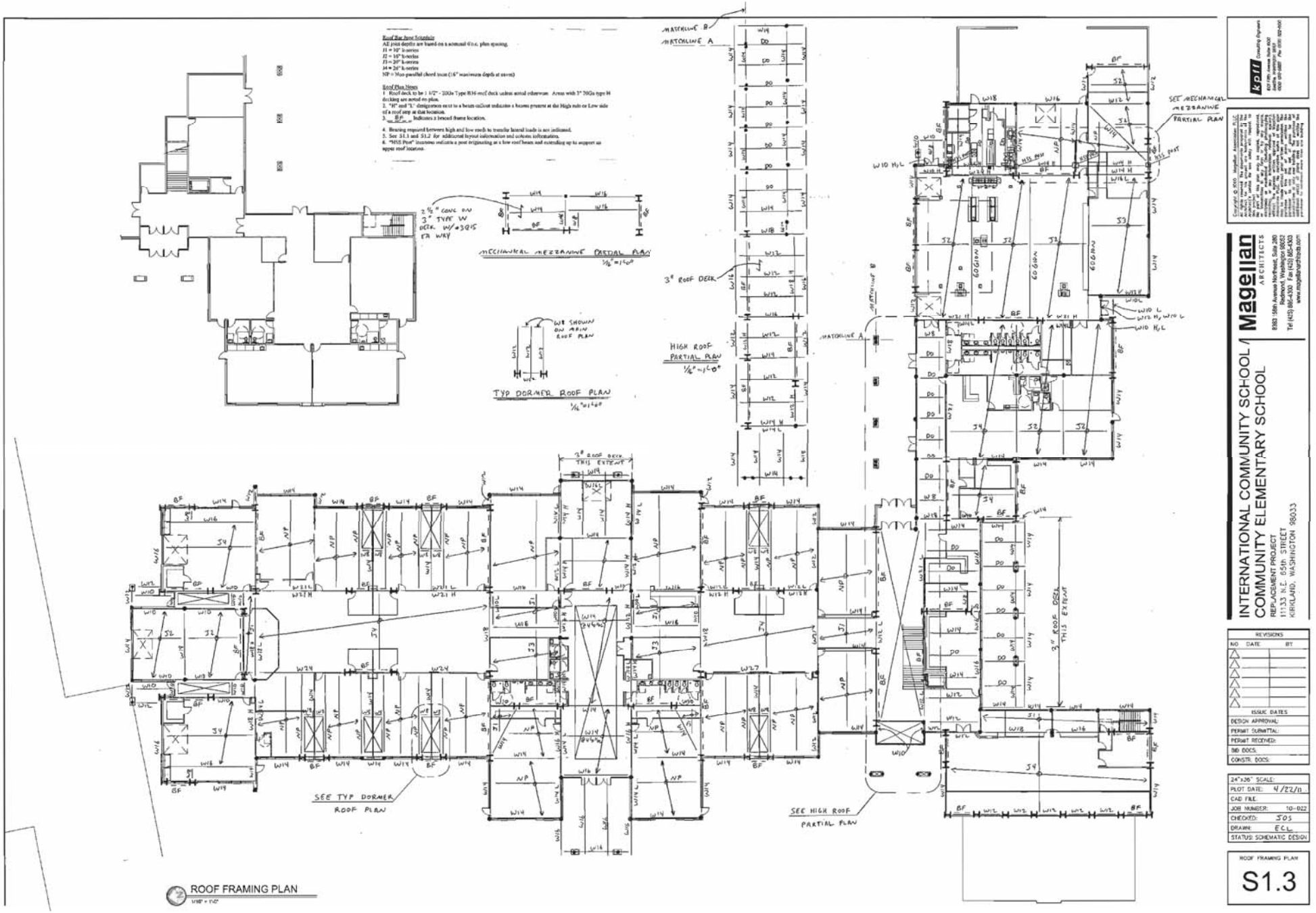
PLOT DATE:	4/28/11
CAD FILE:	
JOB NUMBER:	10-022
CHECKED:	JDS
DRAWN:	SGL
STATUS: SCHEMATIC DESIGN	

MAIN FLOOR FRAMING AND FOUNDATION PLAN

S1.2



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DRAWN:	ECL
STATUS: SCHEMATIC DESIGN	

ROOF FRAMING PLAN

S1.3

MECHANICAL LEGEND

GENERAL SYMBOLS

- LIGHT LINE INDICATES BACKGROUND
- LIGHT LINE INDICATES EXISTING WORK
- HEAVY LINE INDICATES NEW WORK
- MATCHLINE OR PROPERTY LINE
- POINT OF CONNECTION
- SHEET NOTE

SECTION IDENTIFICATION

DETAIL IDENTIFICATION

DUCTWORK

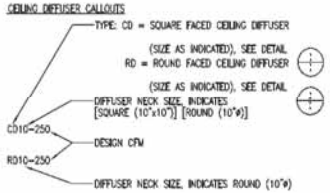
- DUCT (1ST FIGURE = SIDE SHOWN, 2ND FIGURE = SIDE NOT SHOWN, NOTE: INSIDE FREE AREA DIMENSION) DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED
- SUPPLY AIR DUCT – TURNING UP OR TOWARD
- SUPPLY AIR DUCT – TURNING DOWN OR AWAY
- RETURN OR EXHAUST AIR DUCT – TURNING UP OR TOWARD
- RETURN OR EXHAUST AIR DUCT – TURNING DOWN OR AWAY
- ROUND RETURN/EXHAUST DUCT – TURNING UP OR TOWARD
- ROUND RETURN/EXHAUST DUCT – TURNING DOWN OR AWAY
- INCLINE RISE (R) OR DROP (D) IN DIRECTION OF ARROW
- FLEXIBLE CONNECTION
- ACCESS DOOR (AD) OR ACCESS PANEL (AP)
- VOLUME DAMPER
- SFD = SMOKE FIRE DAMPER; SD = SMOKE DAMPER; FD = FIRE DAMPER
- MOTOR OPERATED DAMPER (ELECTRIC OPERATOR SHOWN)
- BACKDRAFT DAMPER
- 90° ELBOW, R/W OR R/D = 1.0
- SQUARE CORNER ELBOW WITH TURNING VANES
- 90° TAKE-OFF OR TEE
- 90° CONICAL SPIN-IN
- 90° RECTANGULAR TAKE-OFF WITH 45° TAPER
- 45° TAKE-OFF
- TRANSITION OR REDUCER – NOTED FOT (FLAT TOP) OR FOB (FLAT ON BOTTOM) IF REQUIRED
- WYE FITTING
- 90° DIVERGING RECTANGULAR TEE, EITHER RADIUS OR TURNING VANES
- PARALLEL FLOW BRANCH CONNECTION, EITHER RADIUS OR TURNING VANES
- ACOUSTIC DUCT OR PLENUM

DIFFUSERS AND GRILLES

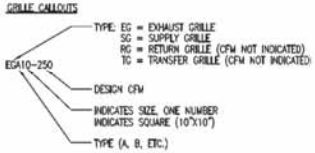
- FLEXIBLE DUCT
- ROUND DUCT INDICATOR
- SQUARE CEILING DIFFUSER, PLENUM ATTACHED (FLOW ARROWS SHOWN ONLY IF AIRFLOW NOT SYMMETRICAL)
- SQUARE CEILING DIFFUSER, WITH ELBOW (FLOW ARROWS SHOWN ONLY IF AIRFLOW NOT SYMMETRICAL)
- SQUARE CEILING DIFFUSER (FLOW ARROWS SHOWN ONLY IF AIRFLOW NOT SYMMETRICAL)
- ROUND CEILING DIFFUSER (FLOW ARROWS SHOWN ONLY IF AIRFLOW NOT SYMMETRICAL)
- SUPPLY GRILLE (SG)
- EXHAUST GRILLE (EG)
- CEILING RETURN/EXHAUST GRILLE (RG/EG)
- CEILING RETURN GRILLE (RG)
- CEILING RELIEF GRILLE (RG) WITH ACOUSTICAL DUCT LINED ELBOW OPEN TO CEILING SPACE REF DETAIL X/X
- AIRFLOW THRU DOOR GRILLE OR UNDERCUT
- TRANSFER GRILLE, DUCT CONNECTED, WALL MOUNTED
- TRANSFER GRILLE, CEILING MOUNTED WITH FULL-SIZED LINED DUCT CONNECTION
- LINED TRANSFER DUCT WITH OPENING ON TOP, EACH END
- SCREENED RETURN AIR OPENING (SO)
- 30" TYP — 36x12 SO

DIFFUSER AND GRILLE CALLOUTS

CEILING DIFFUSER CALLOUTS

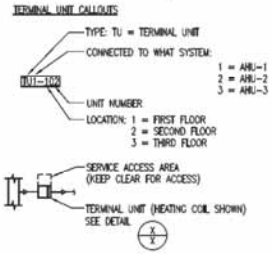


GRILLE CALLOUTS



EQUIPMENT

TERMINAL UNIT CALLOUTS



EQUIPMENT (CONT.)

- TYPICAL EQUIPMENT DESIGNATION (EXHAUST FAN SHOWN)
- SOUND ATTENUATOR
- DUCT HEATING OR COOLING COIL (HC OR CC), SEE DETAIL X/X
- UNIT HEATER
- ROOM TEMPERATURE SENSOR
- CARBON DIOXIDE SENSOR
- EMERGENCY SHUTOFF SWITCH (GAS)

PIPING AND AIRFLOW DIAGRAMS

- PIPING OR DUCTED AIRFLOW
- NON-DUCTED AIRFLOW AND RETURN PIPE LINES
- ELECTRICAL CONNECTION
- FLOW CONTINUATION ARROW
- TYPICAL EQUIPMENT DESIGNATION (CHILLER, COOLING COIL SHOWN)
- PUMP
- FAN
- 2-WAY CONTROL VALVE (SHOWN WITH ELECTRIC MOTOR OPERATOR)
- 3-WAY CONTROL VALVE (SHOWN WITH ELECTRIC MOTOR OPERATOR)
- FLOW METER
- ELECTRIC MOTOR/STARTER ASSEMBLY
- ELECTRIC MOTOR OPERATOR (VALVES AND DAMPERS)
- DRAIN

PIPING

- CONDENSER WATER RETURN
- CONDENSER WATER SUPPLY
- CHILLED WATER RETURN
- CHILLED WATER SUPPLY
- HEATING WATER RETURN
- HEATING WATER SUPPLY
- DRAIN (INDIRECT)
- SANITARY WASTE
- SANITARY VENT
- RAINLEADER
- COLD WATER (CW)
- HOT WATER (HW)
- HOT WATER CIRCULATING (HWC)
- TRAP PRIMER
- NATURAL GAS (LOW PRESSURE)
- DRY PIPE SPRINKLER
- FIRE SPRINKLER
- PIPE CAP
- PIPE PLUG
- FLANGE
- UNION
- WYE STRAINER WITH CAPPED HOSE END BLOWDOWN VALVE
- GATE, BALL, OR BUTTERFLY (TYPE SEE SPECIFICATIONS)
- BALANCING OR PLUG VALVE
- AUTOMATIC CONTROL VALVE – TWO WAY (PNEUMATIC OPERATOR SHOWN)
- GAS SEISMIC SHUTOFF VALVE

PIPING (CONT.)

- BALANCING/MEASURING VALVE
- RELIEF VALVE
- CHECK VALVE
- BUTTERFLY VALVE
- AUTOMATIC FLOW CONTROL VALVE
- FLEXIBLE CONNECTION IN PIPING
- AAV — AUTOMATIC AIR VENT (AAV)
- MAV — MANUAL AIR VENT (MAV)
- PRESSURE GAGE
- THERMOMETER
- P/T — PRESSURE/TEMPERATURE TEST PORT
- HB — HOSE BIB
- WH — WALL HYDRANT
- PIPE DOWN
- PIPE UP
- TEE DOWN
- TEE; TEE DOWN TO ELBOW; TEE UP TO ELBOW
- FCO — FLOOR CLEANOUT
- CO — CLEANOUT
- WCO — WALL CLEANOUT

WOOD HARBINGER
Mechanical and Electrical Engineers
Bellevue, WA

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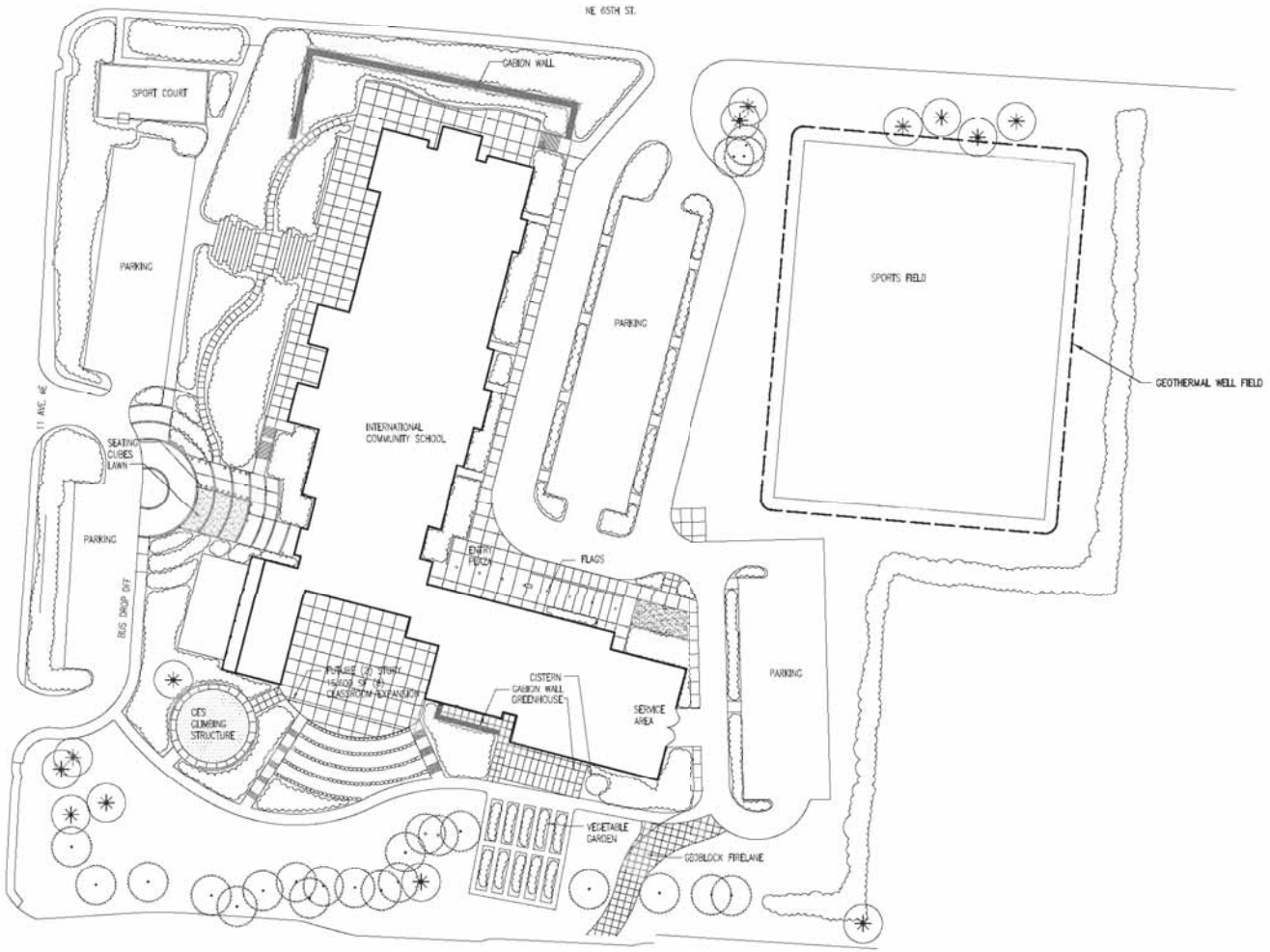
MECHANICAL LEGENDS
M0.1



SITE PLAN - MECHANICAL
SCALE: 1"=40'-0"

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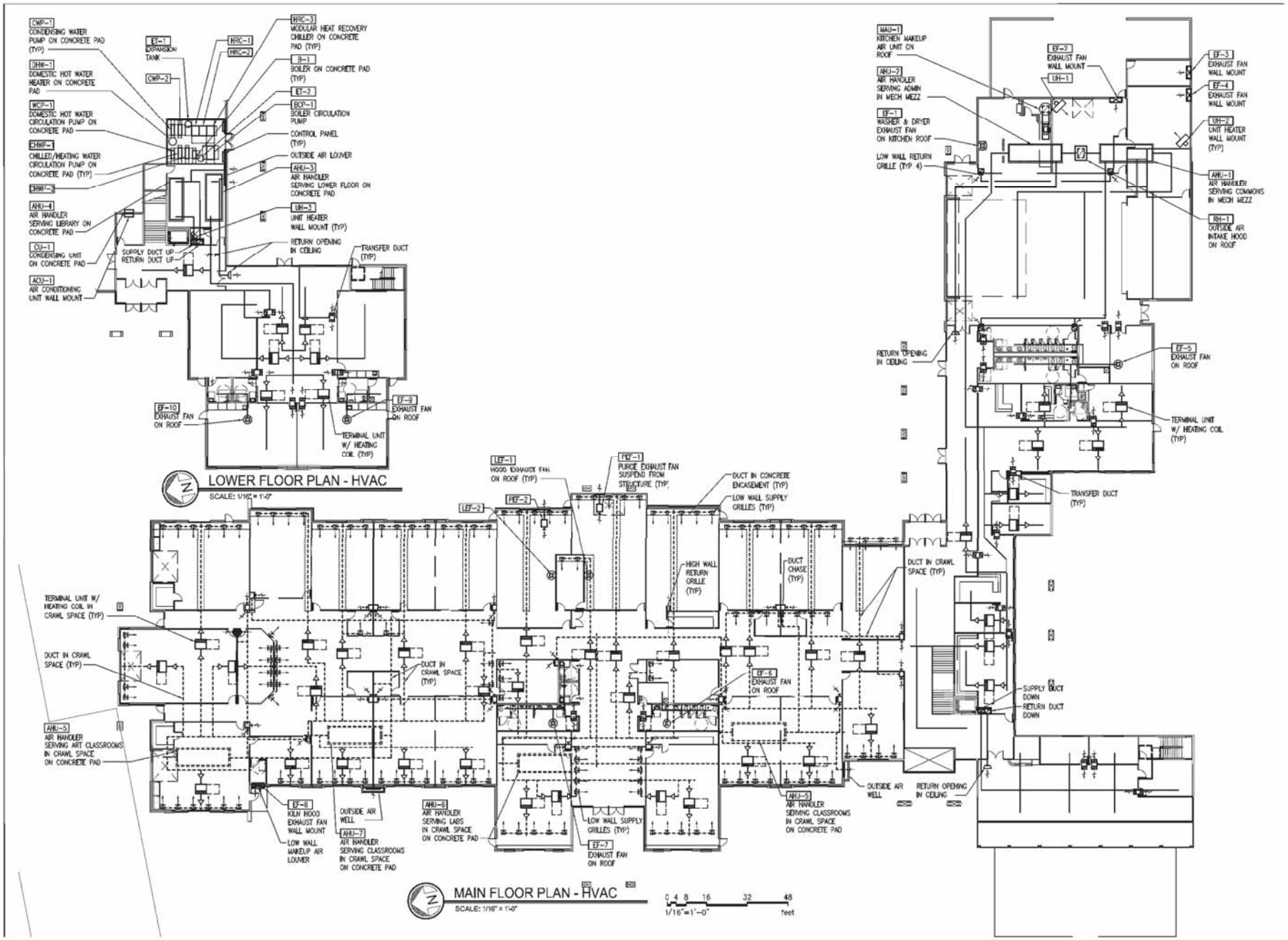
SITE PLAN - MECHANICAL
M1.0



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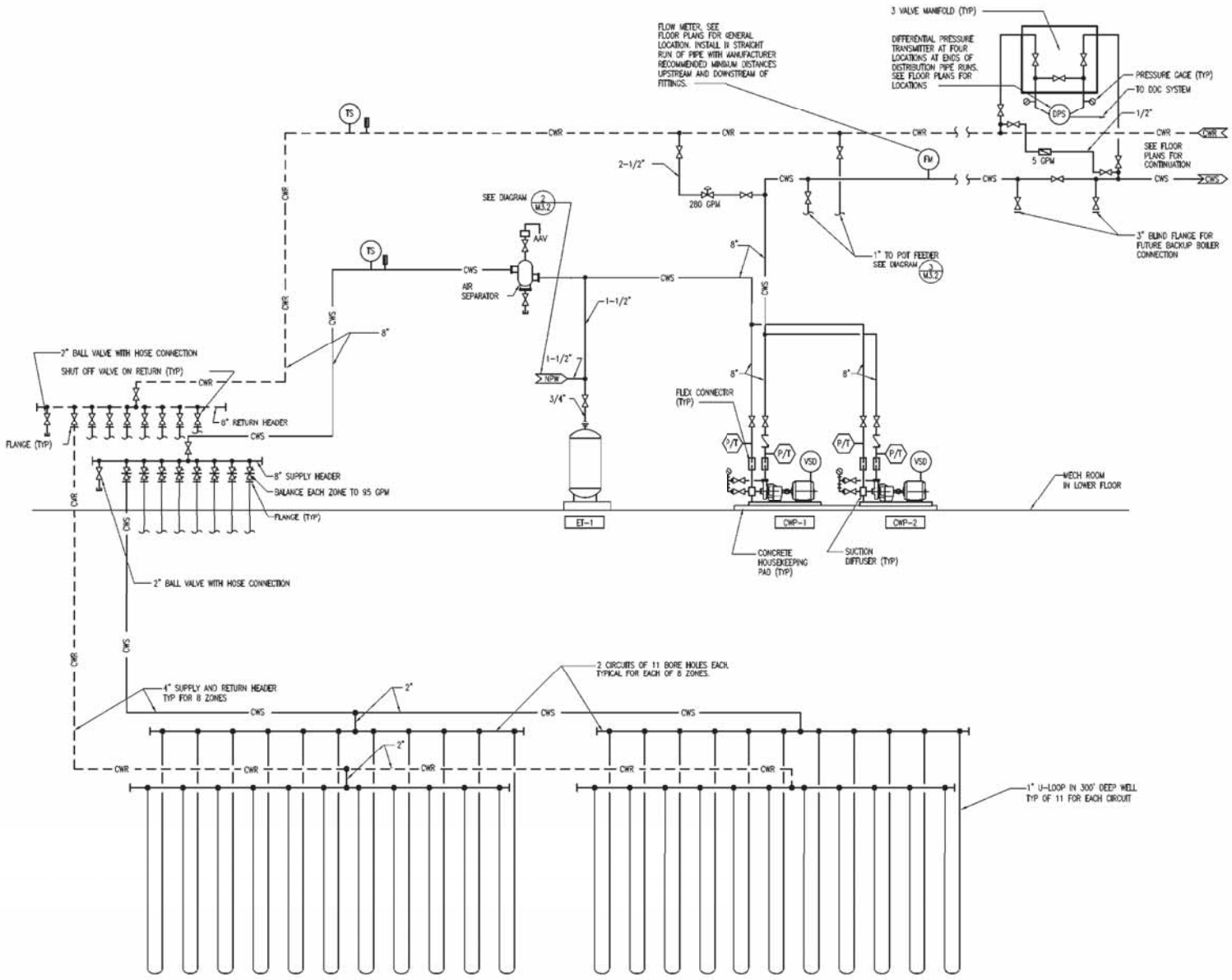
FLOOR PLAN – HVAC

M2.1



1 GROUND LOOP CONDENSER WATER SYSTEM PIPING DIAGRAM

SCALE: NONE M3.1

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Bellevue, WA

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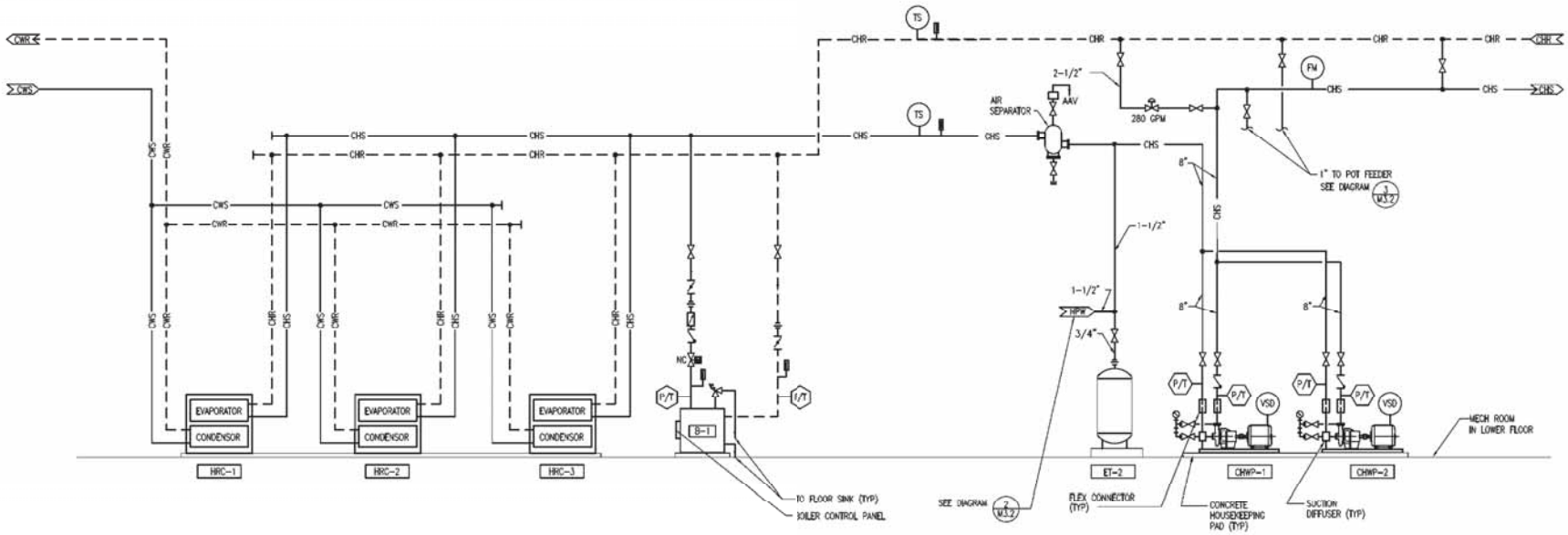
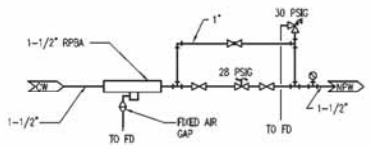
HVAC SYSTEM DIAGRAMS

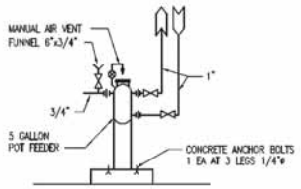
M3.1



1 CENTRAL GEOTHERMAL HEAT RECOVERY CHILLER SYSTEM PIPING DIAGRAM
SCALE: NONE M3.2



2 MAKE-UP WATER DIAGRAM
SCALE: NONE M3.1, M3.2
NOTE: MOUNT MAKE-UP ASSEMBLY BELOW 5-0"AFF



3 POT FEEDER
SCALE: NONE M3.1, M3.2

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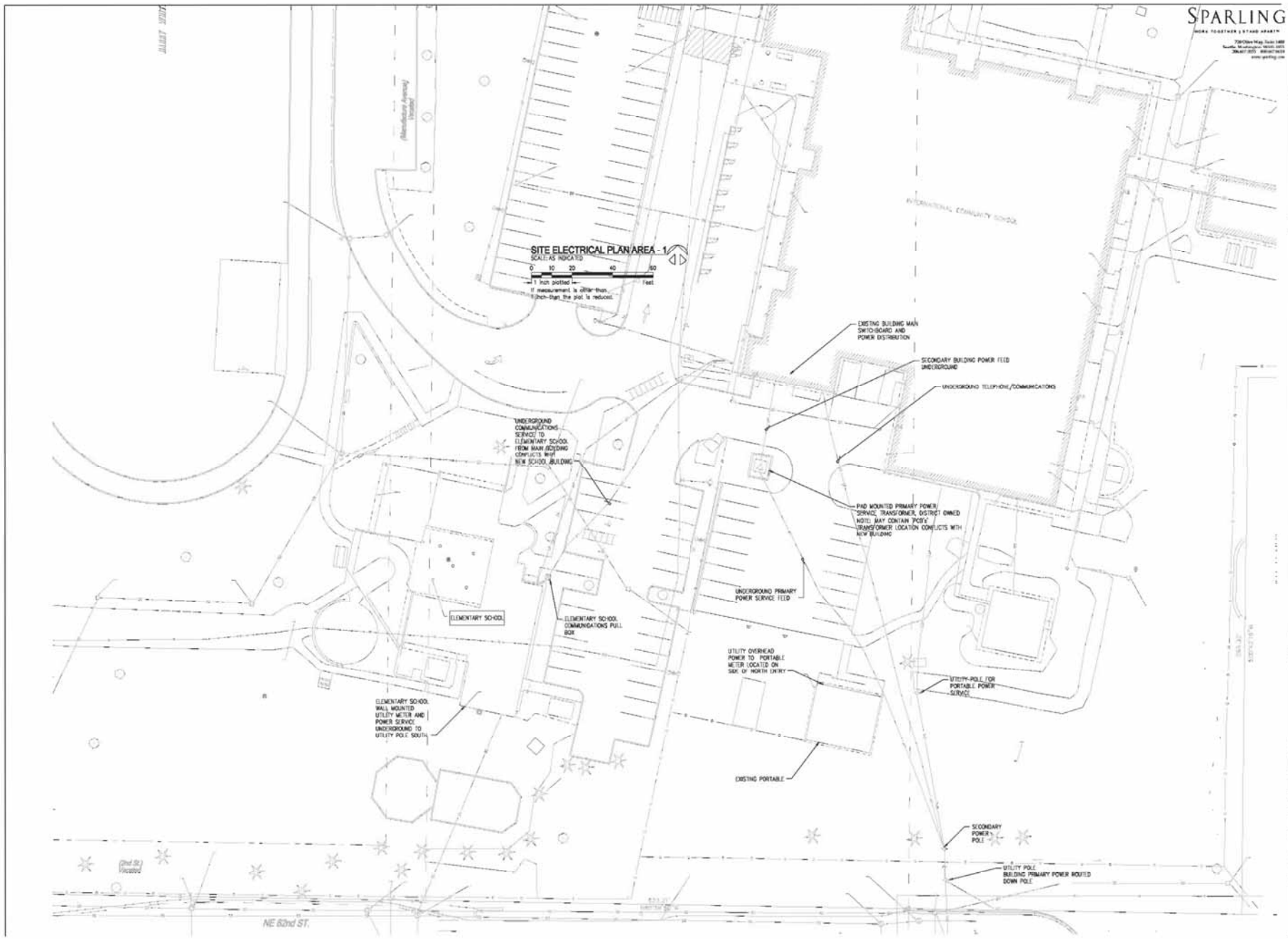
HVAC SYSTEM DIAGRAMS
M3.2



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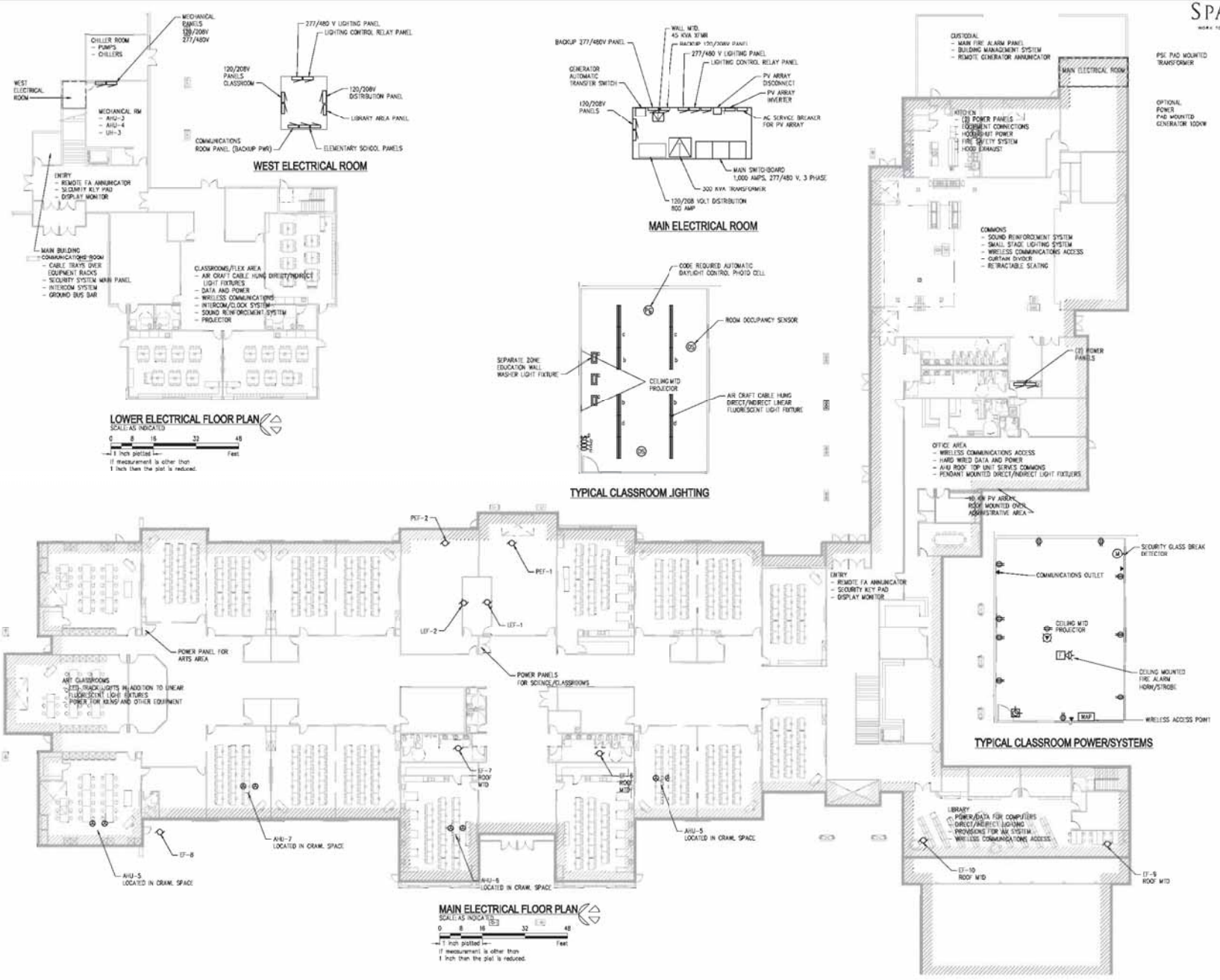
SITE ELEC. PLAN EXISTING SOUTH
E1.01



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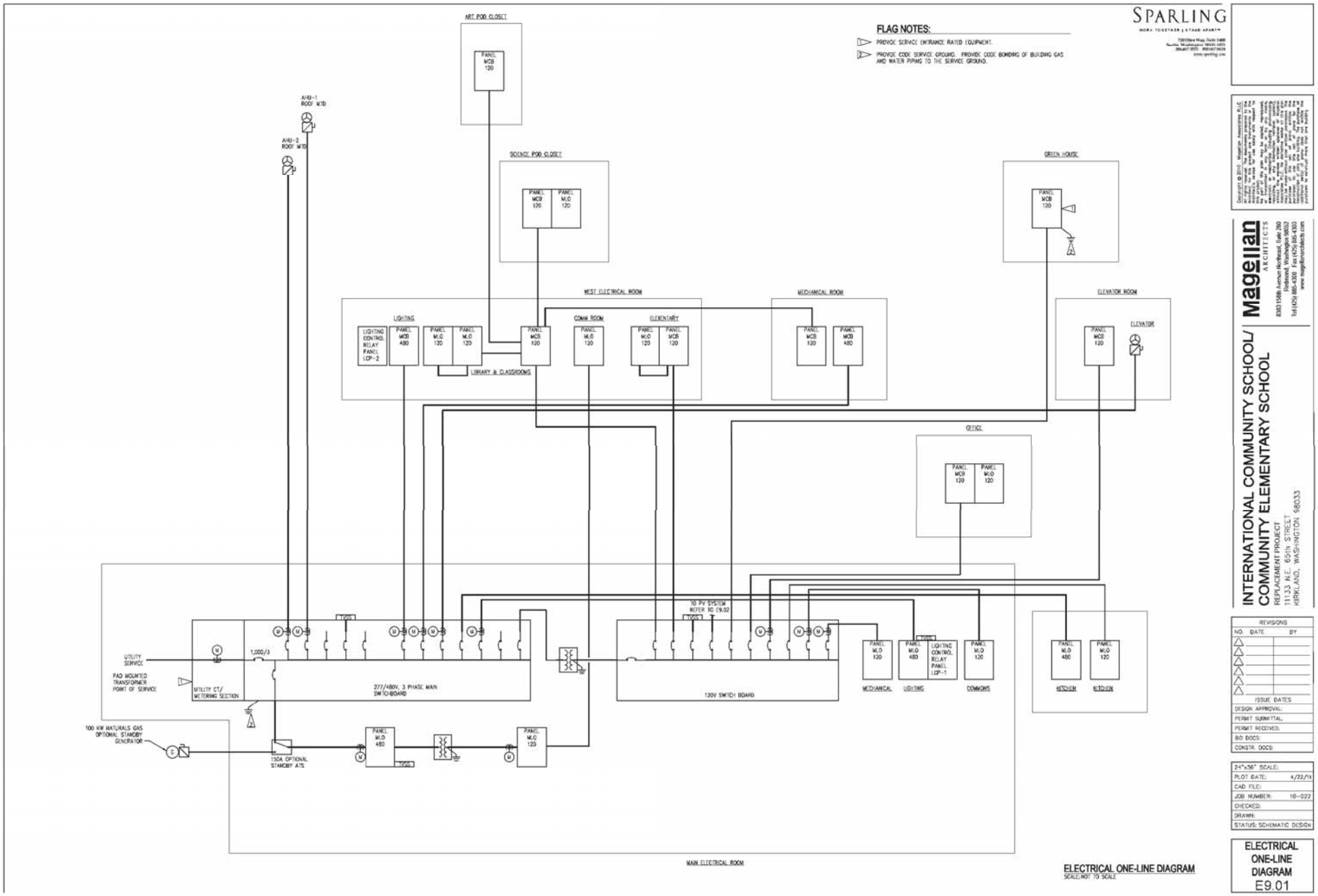
MAIN AND LOWER LEVEL ELEC. PLAN
E1.10


SPARLING
WORK TOGETHER | STAND APART
FLAG NOTES:
1 PROVIDE SERVICE ENTRANCE RATED EQUIPMENT.
2 PROVIDE CODE SERVICE GROUND. PROVIDE CODE BONDING OF BUILDING GAS AND WATER PIPING TO THE SERVICE GROUND.
ART POD CLOSET
SCIENCE POD CLOSET
GREEN HOUSE
WEST ELECTRICAL ROOM
MECHANICAL ROOM
ELEVATOR ROOM
OFFICE
LIGHTING
COMM ROOM
ELEMENTARY
LIBRARY & CLASSROOMS
ELEVATOR
AHU-1 ROOF MTD
AHU-2 ROOF MTD
UTILITY SERVICE
PAD MOUNTED TRANSFORMER POINT OF SERVICE
UTILITY CT/ METERING SECTION
1,000/3
277/480V, 3 PHASE MAIN SWITCHBOARD
120V SWITCH BOARD
TO PV SYSTEM REFER TO E9.02
MECHANICAL
LIGHTING
COMMONS
KITCHEN
100 KW NATURALS GAS OPTIONAL STANDBY GENERATOR
150A OPTIONAL STANDBY ATS
MAIN ELECTRICAL ROOM
ELECTRICAL ONE-LINE DIAGRAM
SCALE: NOT TO SCALE
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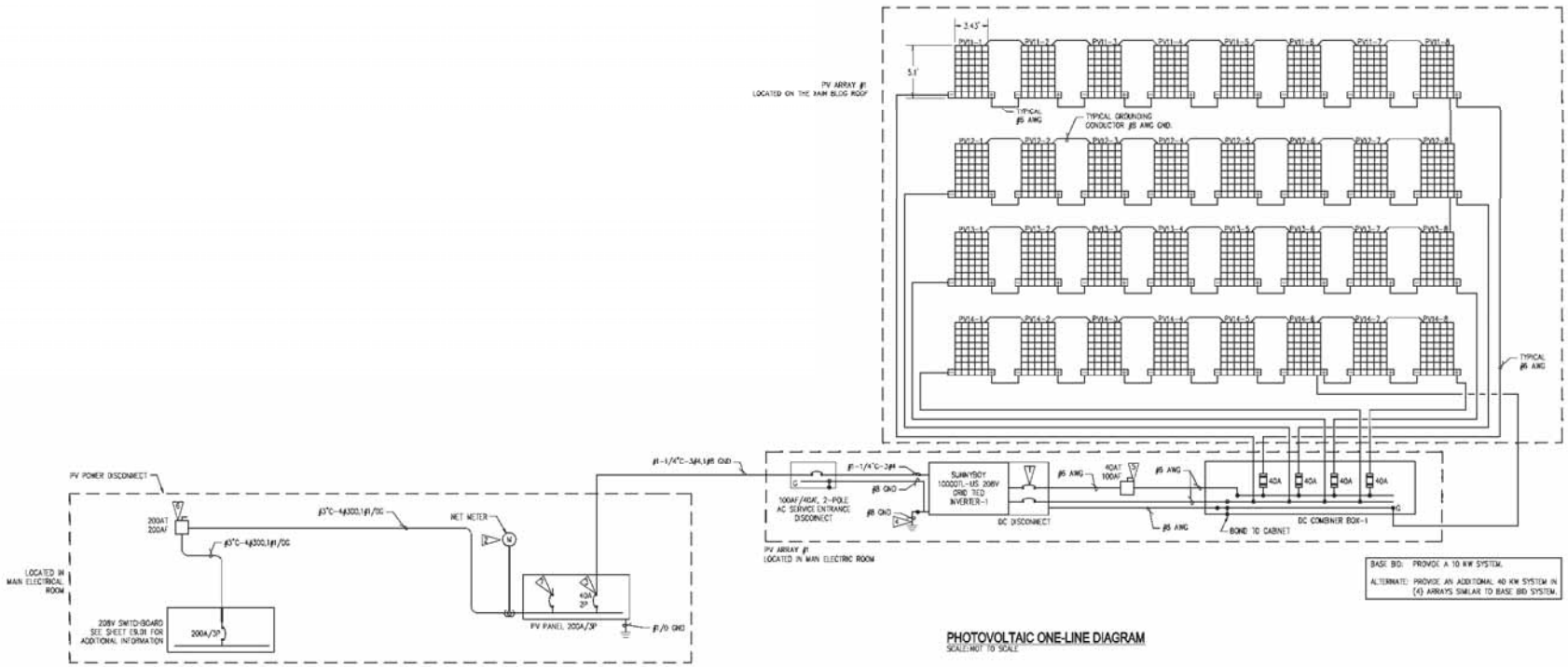
ELECTRICAL ONE-LINE DIAGRAM
E9.01

GENERAL NOTES:

1. THIS DRAWING IS NOT FOR CONSTRUCTION. IT IS FOR REFERENCE ONLY, TO HELP THE PV SYSTEM DESIGN/BUILD CONTRACTOR.
2. CONTRACTOR TO MEET NEC, CITY OF KIRKLAND, AND PUGET SOUND ENERGY REQUIREMENTS.
3. REFER TO SHEET E0X FOR PHOTOVOLTAIC ROOF LAYOUT.
4. CONTRACTOR TO COORDINATE MOUNTING OF PV MODULES WITH STRUCTURAL AND ARCHITECTURAL DRAWINGS.
5. PROVIDE LABELS IN ACCORDANCE WITH NEC ARTICLE 690.5-C.
6. ALL WIRING EXPOSED TO SUN LIGHT MUST BE LABELED "SUNLIGHT RESISTANT". REFER TO WIRING SPECIFICATION SECTION 16120 FOR ADDITIONAL INFORMATION.
7. COORDINATE WITH PUGET SOUND ENERGY FOR INTERCONNECTION REQUIREMENTS.
8. QUANTITY OF SOLAR PANEL CELLS ARE NOT A REPRESENTATION OF EXACT QUANTITY OF SOLAR CELLS FROM MODULE SPECIFIED. DIAGRAM IS ONLY A REPRESENTATION OF A PV MODULE.
9. CONTRACTOR TO CONFIRM PANEL MANUFACTURER AND MODEL'S POWER REQUIREMENTS PROVIDE REQUIRED GENERATION OF 10 KW AS INDICATED BY MECHANICAL AND CITY AND STATE REQUIREMENTS.
10. PV MODULES ARE IDENTIFIED BY PVXY-Z, (X)--ARRAY NO., (Y)--STRING NO., (Z)--MODULE NO.
11. PROVIDE PENETRATION SEALS FOR CONDUIT AND CONDUCTORS WHERE PENETRATING ROOF AND WALLS.
12. CONFIGURATION OF PANELS ARE DEPENDANT ON INVERTER MANUFACTURER. CONTRACTOR TO CONFIRM CONFIGURATION OF PANELS MEET THE MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS.
13. CONTRACTOR TO VERIFY CONDUCTOR SIZING FOR VOLTAGE DROP DOES NOT EXCEED 2% PRIOR TO INSTALLATION.

FLAG NOTES:

1. DC DISCONNECT BUILT INTO INVERTER.
2. PROVIDED BY PUGET SOUND ENERGY (PSE). COORDINATE INSTALLATION OF METER WITH UTILITY. CONFIRM REQUIREMENTS FOR LOCKABLE UTILITY DISCONNECT WITH PSE. MOUNT ADJACENT TO MAIN SWITCH BOARD.
3. PROVIDE BREAKER FOR WIRE SIZES SHOWN.
4. PROVIDE GROUNDING SYSTEM PER NEC 250.50.
5. PROVIDE NEMA 3R DISCONNECT AND UNISTRUT AT ROOF.
6. CONTRACTOR TO MEET PSE AND CITY REQUIREMENTS FOR DISCONNECT LOCATION.
7. PROVIDE (4) 40A 2P CIRCUIT BREAKERS FOR FUTURE EXPANSION OF PV SYSTEM.



BASE BID: PROVIDE A 10 KW SYSTEM.

ALTERNATE: PROVIDE AN ADDITIONAL 40 KW SYSTEM IN (4) ARRAYS SIMILAR TO BASE BID SYSTEM.

PHOTOVOLTAIC ONE-LINE DIAGRAM

SCALE: NOT TO SCALE

SPARLING

WORK TOGETHER | STAND APART

720 Olive Way, Suite 1400
Seattle, Washington 98101-1815
206.467.1815 800.947.7634
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INTERNATIONAL COMMUNITY SCHOOL/ COMMUNITY ELEMENTARY SCHOOL

REPLACEMENT PROJECT
11133 N.E. 65th STREET
KIRKLAND, WASHINGTON 98033

REVISIONS		
NO.	DATE	BY

ISSUE DATES	
DESIGN APPROVAL:	
PERMIT SUBMITTAL:	
PERMIT RECEIVED:	
BID DOCS:	
CONSTR. DOCS:	

24"x36" SCALE:	
PLOT DATE:	4/22/11
CAD FILE:	
JOB NUMBER:	10-022
CHECKED:	
DRAWN:	
STATUS: SCHEMATIC DESIGN	

PHOTOVOLTAIC ONE-LINE DIAGRAM
E9.02

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