

Schedule 18 (Technical Requirements)-DBFM Agreement

APPENDIX B – MODIFIED SCHOOL DESIGNS

Attachment 1 – Modified School Designs

Attachment 2 – Electrical Power & Data Plans

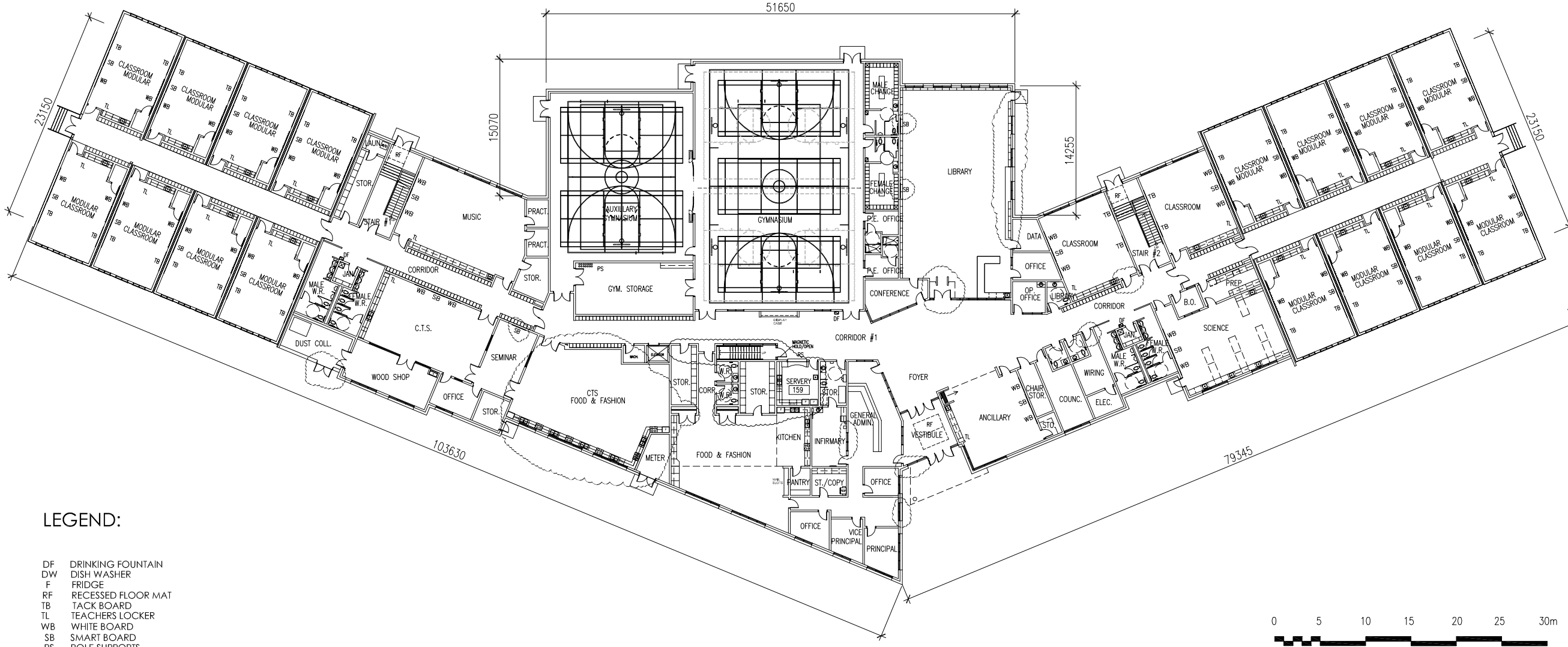
Schedule 18 (Technical Requirements)-DBFM Agreement

ATTACHMENT 1 - MODIFIED SCHOOL DESIGNS

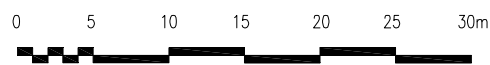
List of Modified School Design Drawings (separate attachment - 16 pages)

BLIMS BID #	Modified School Design Drawing #	School Board	Municipality	Community
B6128A	8	RVSD	Rocky View County	Langdon
B6132A	2A & 2B	CBE	Calgary	Taradale
B6133A	9A & 9B	CBE	Calgary	Panorama
B6134A	1A & 1B	CBE	Calgary	Tuscany
B6135A	5	EPSB	Edmonton	Griesbach
B6136A	1A & 1B	CBE	Calgary	Coventry Hills
B6137A	7A & 7B	FSD	Okotoks	Westmount
B6140A	3A & 3B	CSSD	Calgary	Copperfield
B6161A	4A & 4B	EPSB	Edmonton	Hamptons
B6162A	6A & 6B	EPSB	Edmonton	Ellerslie (Summerside)

SCHEDULE 18 (TECHNICAL REQUIREMENTS) APPENDIX B - MODIFIED SCHOOL DESIGN

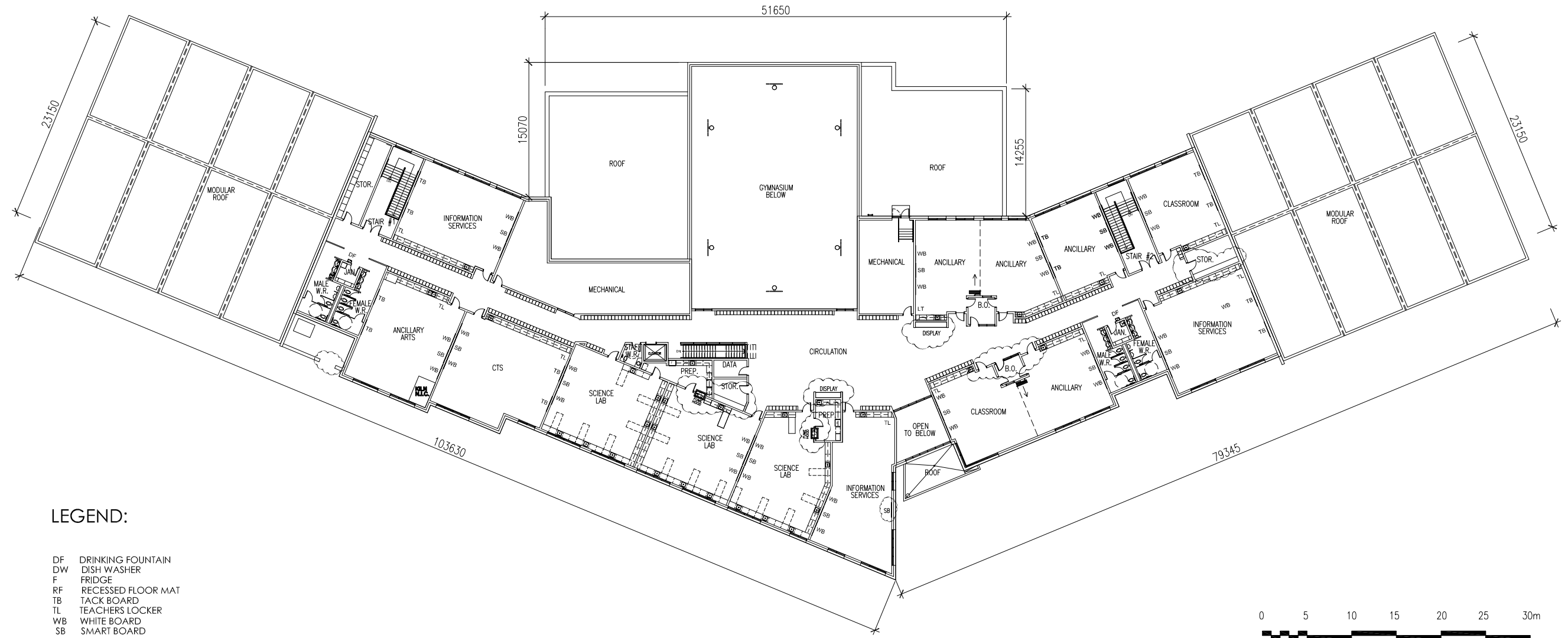


- LEGEND:
- DF DRINKING FOUNTAIN
 - DW DISH WASHER
 - F FRIDGE
 - RF RECESSED FLOOR MAT
 - TB TACK BOARD
 - TL TEACHERS LOCKER
 - WB WHITE BOARD
 - SB SMART BOARD
 - PS POLE SUPPORTS



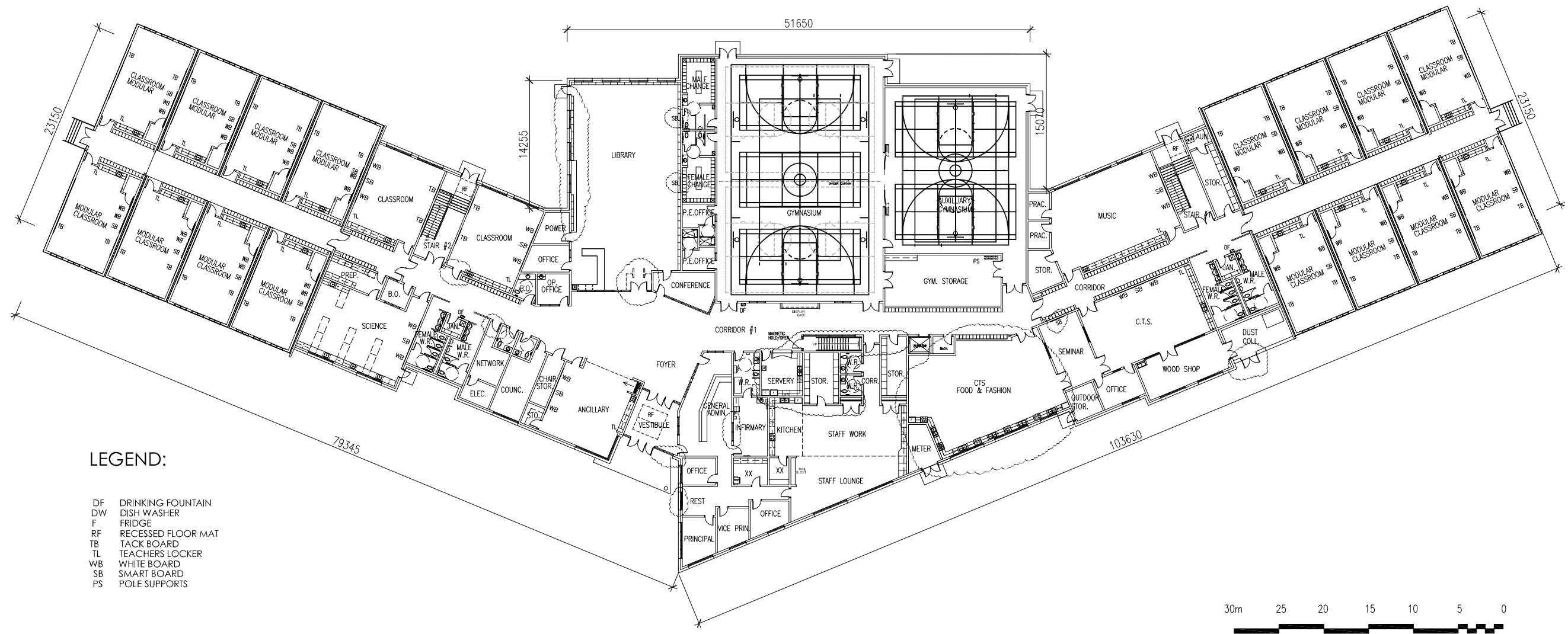
1A (REV. 1)
 COVENTRY HILLS MIDDLE SCHOOL
 TUSCANY MIDDLE SCHOOL

SCHEDULE 18 (TECHNICAL REQUIREMENTS) APPENDIX B - MODIFIED SCHOOL DESIGN



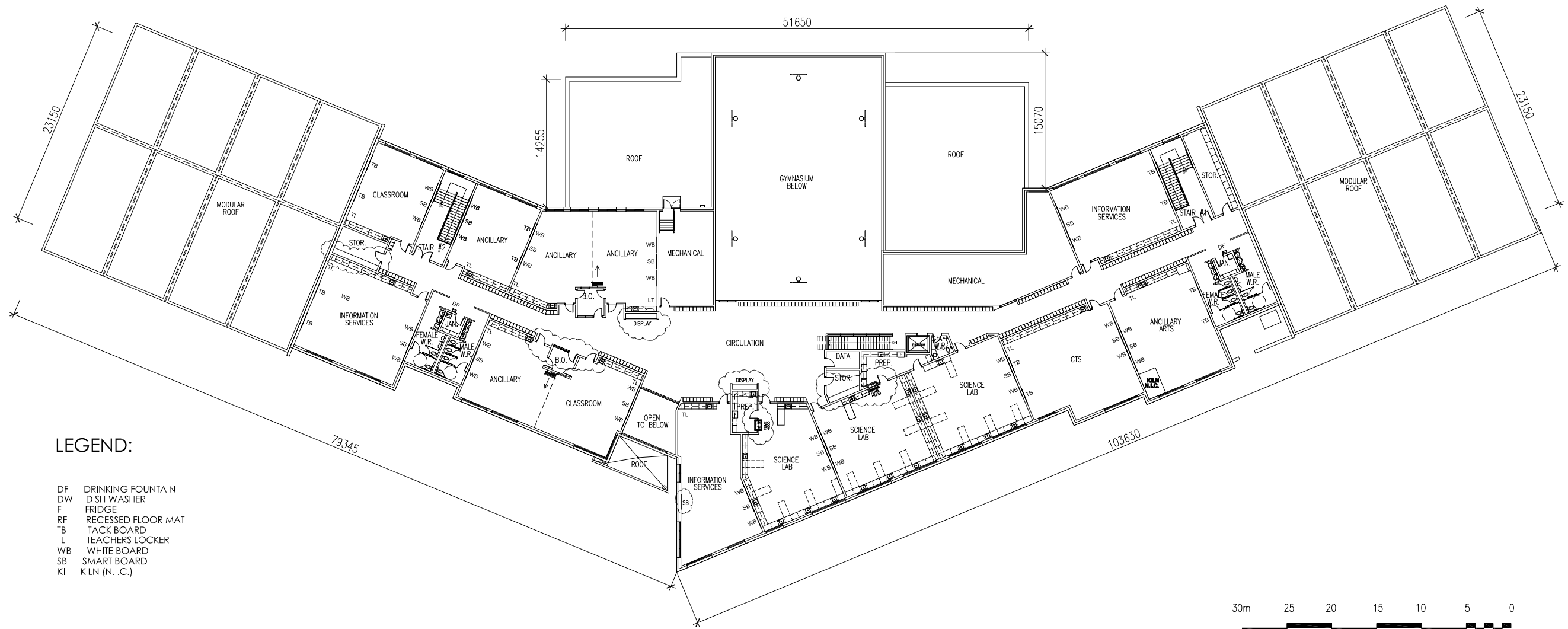
1B (REV. 1)
 COVENTRY HILLS MIDDLE SCHOOL
 TUSCANY MIDDLE SCHOOL

SCHEDULE 18 (TECHNICAL REQUIREMENTS) APPENDIX B - MODIFIED SCHOOL DESIGN



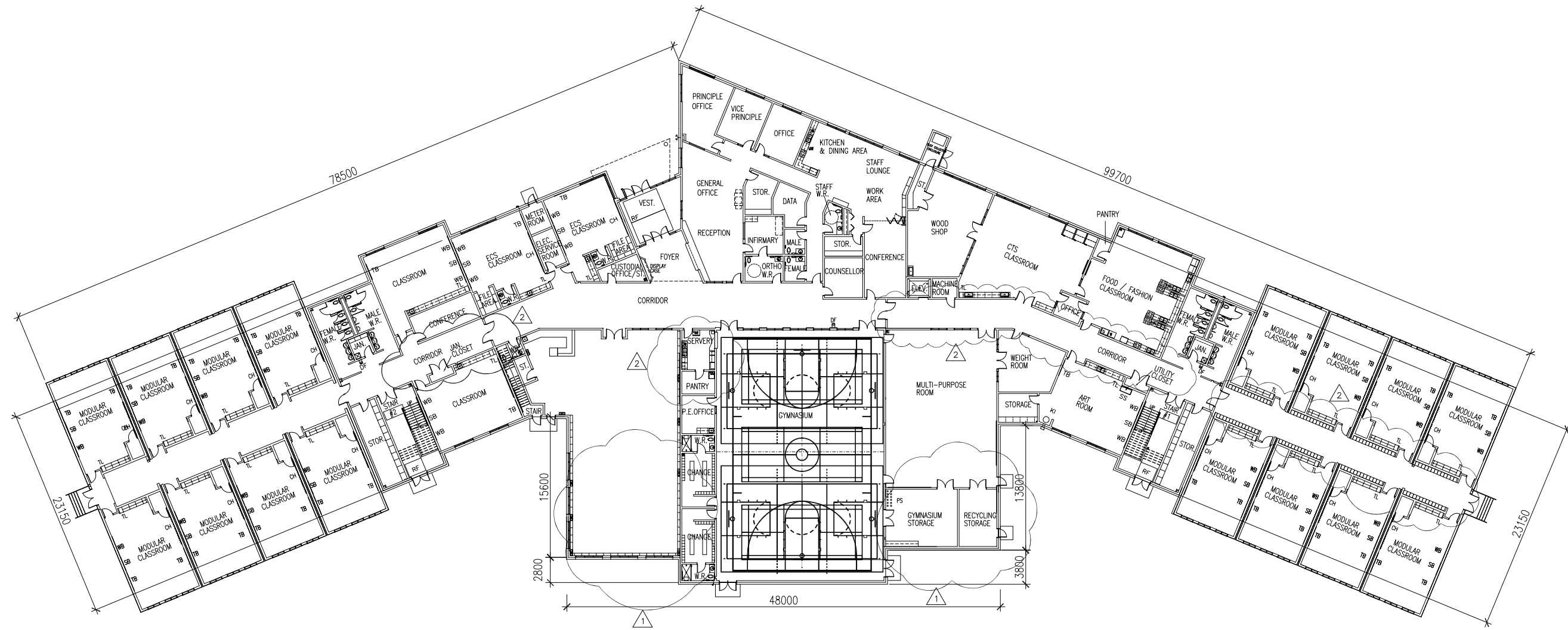
2A (REV. 1)
TARADALE MIDDLE SCHOOL

SCHEDULE 18 (TECHNICAL REQUIREMENTS) APPENDIX B - MODIFIED SCHOOL DESIGN



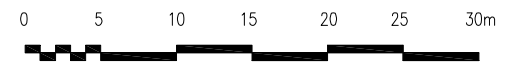
2B (REV. 1)
TARADALE MIDDLE SCHOOL

SCHEDULE 18 (TECHNICAL REQUIREMENTS) APPENDIX B - MODIFIED SCHOOL DESIGN



LEGEND:

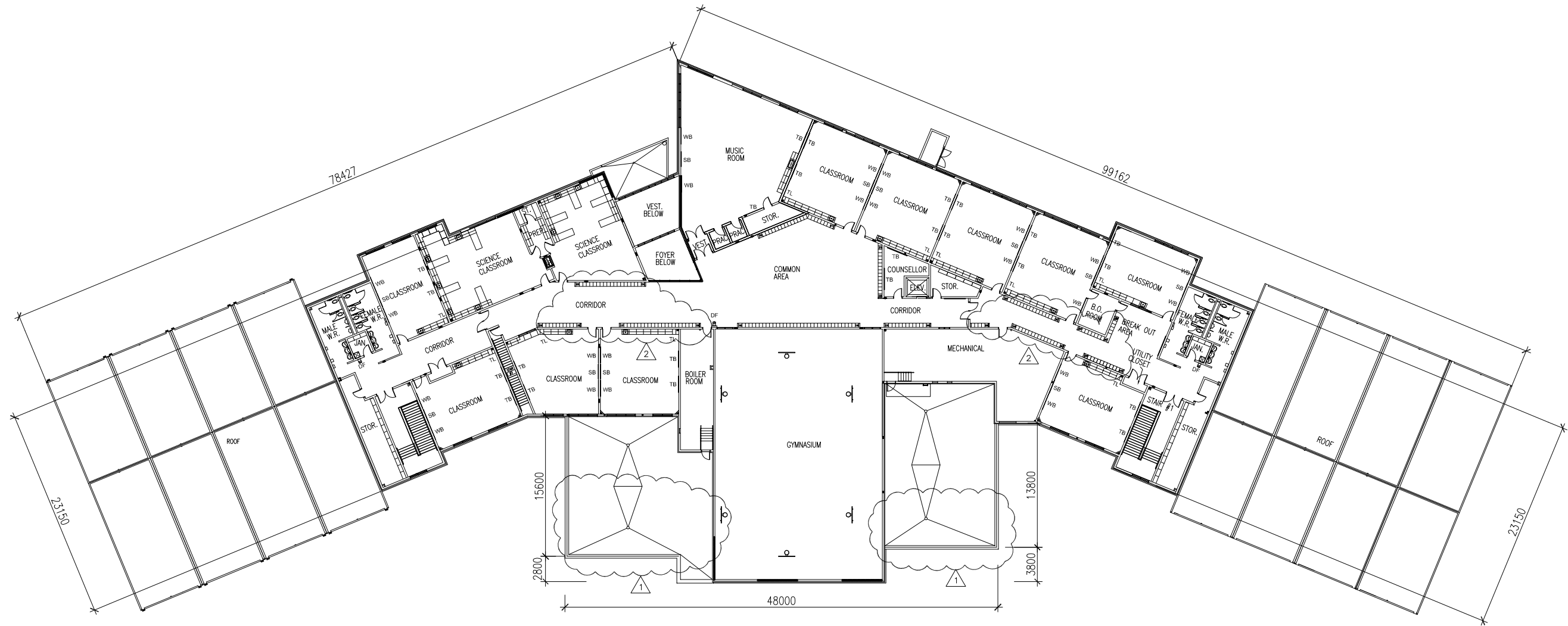
- CH COAT HOOKS
- DF DRINKING FOUNTAIN
- DW DISH WASHER
- F FRIDGE
- RF RECESSED FLOOR MAT
- TB TACK BOARD
- TL TEACHERS LOCKER
- WB WHITE BOARD
- SB SMART BOARD
- PS POLE SUPPORTS
- KI KILN (N.I.C.)
- SS SILK SCREEN SINK
- RS ROLLING SHUTTER



3A (REV-2)

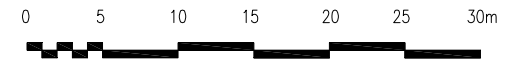
COPPERFIELD ELEMENTARY & JUNIOR HIGH SCHOOL

SCHEDULE 18 (TECHNICAL REQUIREMENTS) APPENDIX B - MODIFIED SCHOOL DESIGN



LEGEND:

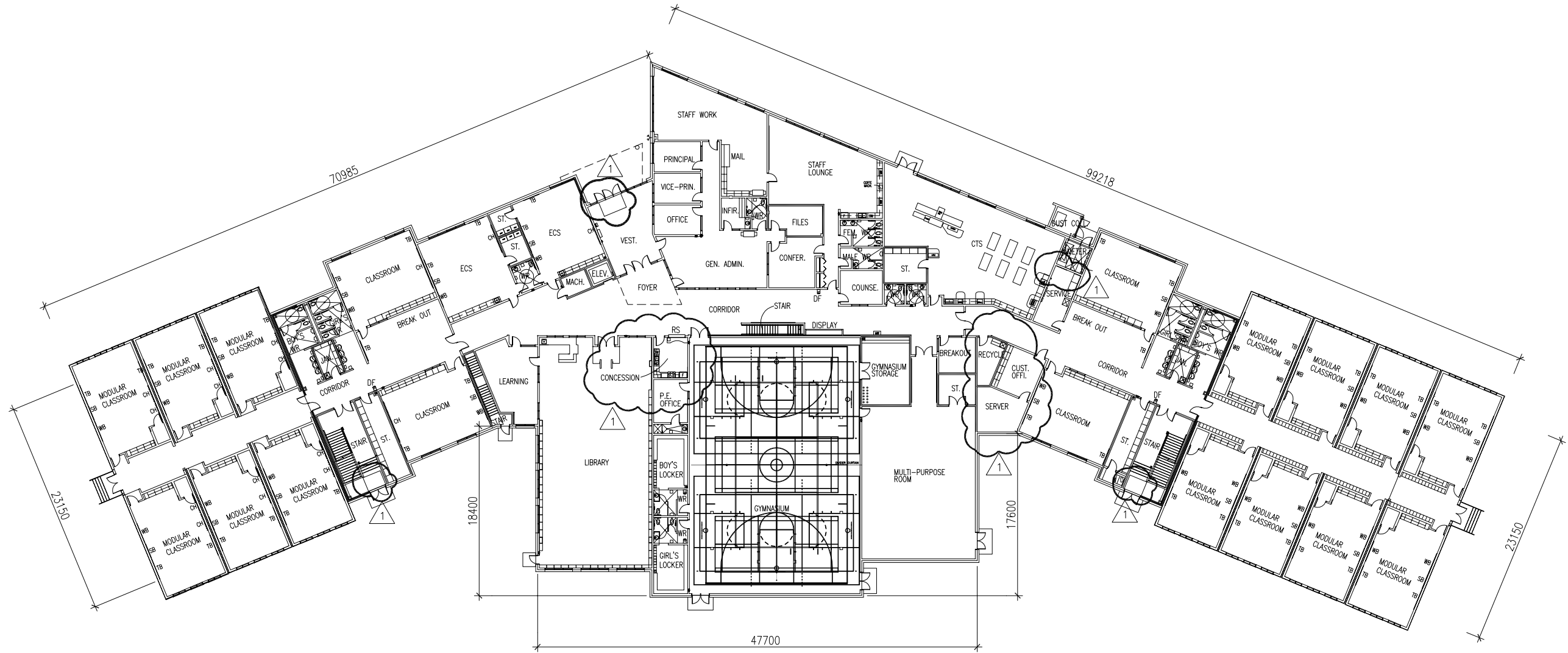
- CH COAT HOOKS
- DF DRINKING FOUNTAIN
- DW DISH WASHER
- F FRIDGE
- TB TACK BOARD
- TL TEACHERS LOCKER
- WB WHITE BOARD
- SB SMART BOARD



3B (REV. 2)

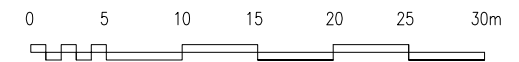
COPPERFIELD ELEMENTARY & JUNIOR HIGH SCHOOL

SCHEDULE 18 (TECHNICAL REQUIREMENTS) APPENDIX B - MODIFIED SCHOOL DESIGN



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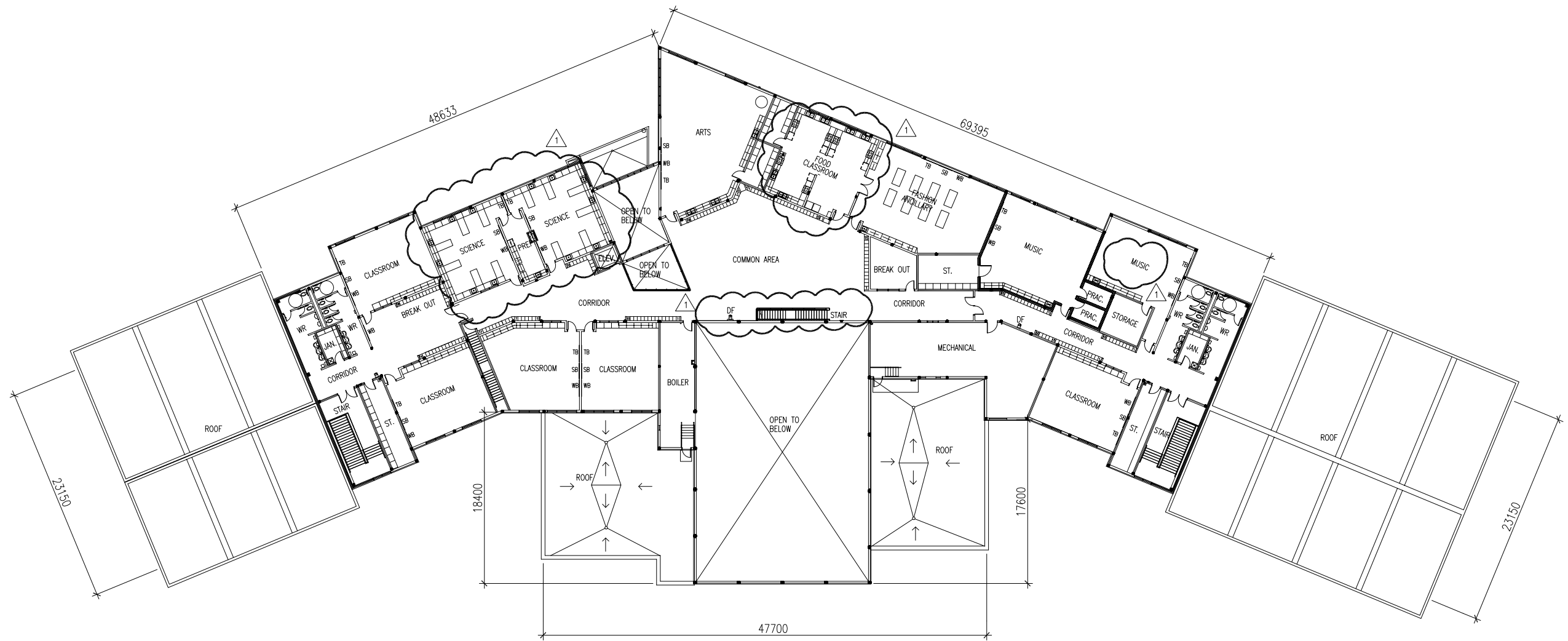
- BS BUBBLER SINK
- CH COAT HOOKS
- DF DRINKING FOUNTAIN
- DW DISH WASHER
- F FRIDGE
- RF RECESSED FLOOR MAT
- TB TACK BOARD
- WB WHITE BOARD
- SB SMART BOARD
- TL TEACHERS LOCKER
- WB WHITE BOARD
- KI KILN (N.I.C.)
- MW MICROWAVE (N.I.C.)
- PS GYM POST SOCKERS



4A (REV. 1)

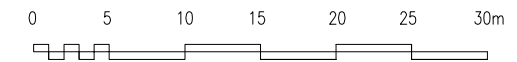
THE HAMPTON'S ELEMENTARY & JUNIOR HIGH SCHOOL

SCHEDULE 18 (TECHNICAL REQUIREMENTS) APPENDIX B - MODIFIED SCHOOL DESIGN



LEGEND:

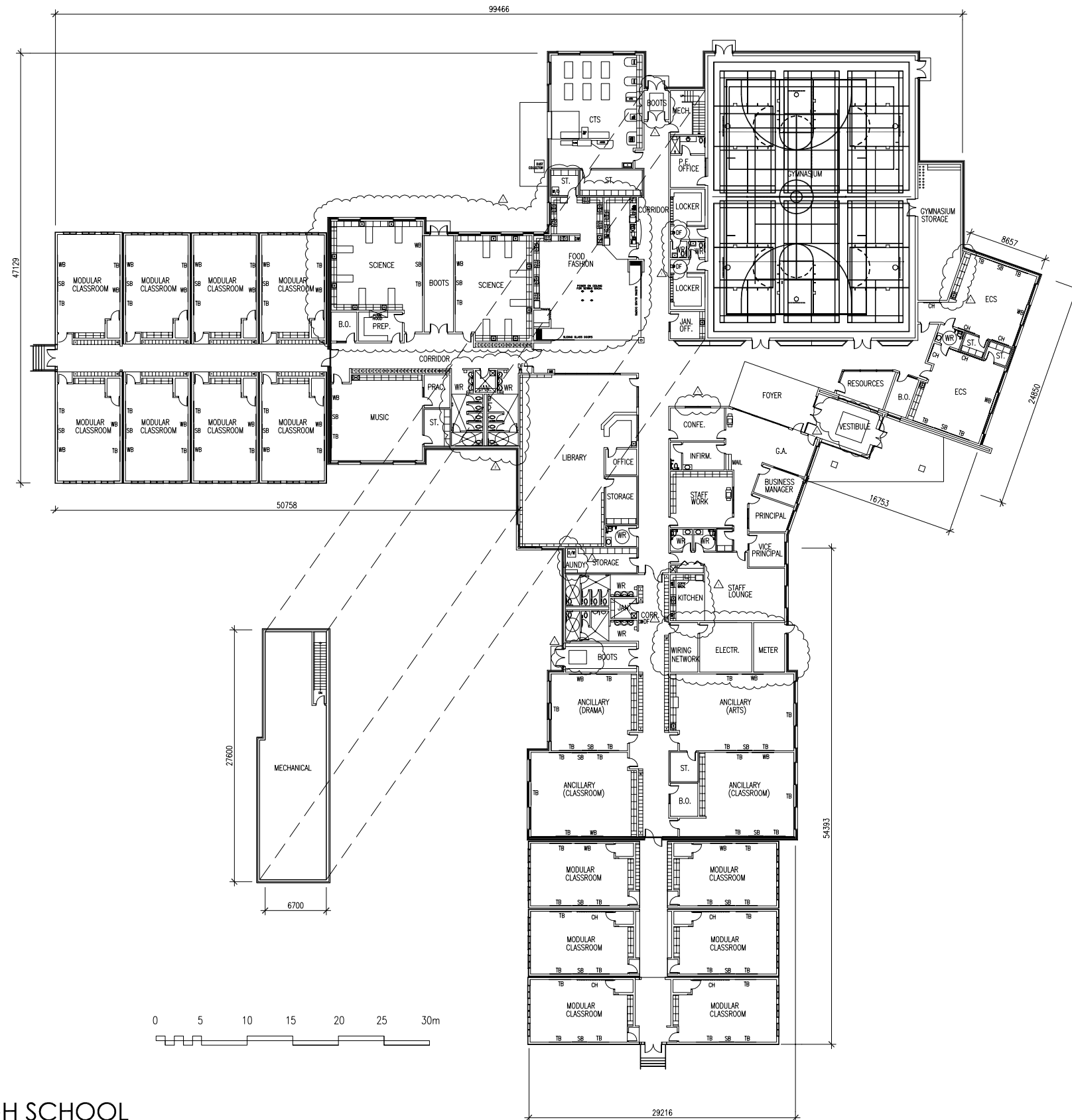
- BS BUBBLER SINK
- CH COAT HOOKS
- DF DRINKING FOUNTAIN
- DW DISH WASHER
- F FRIDGE
- RF RECESSED FLOOR MAT
- TB TACK BOARD
- WB WHITE BOARD
- SB SMART BOARD
- TL TEACHERS LOCKER
- WB WHITE BOARD
- KI KILN (N.I.C.)
- MW MICROWAVE (N.I.C.)
- PS GYM POST SOCKERS



4B (REV. 1)

THE HAMPTON'S ELEMENTARY & JUNIOR HIGH SCHOOL

SCHEDULE 18 (TECHNICAL REQUIREMENTS) APPENDIX B - MODIFIED SCHOOL DESIGN



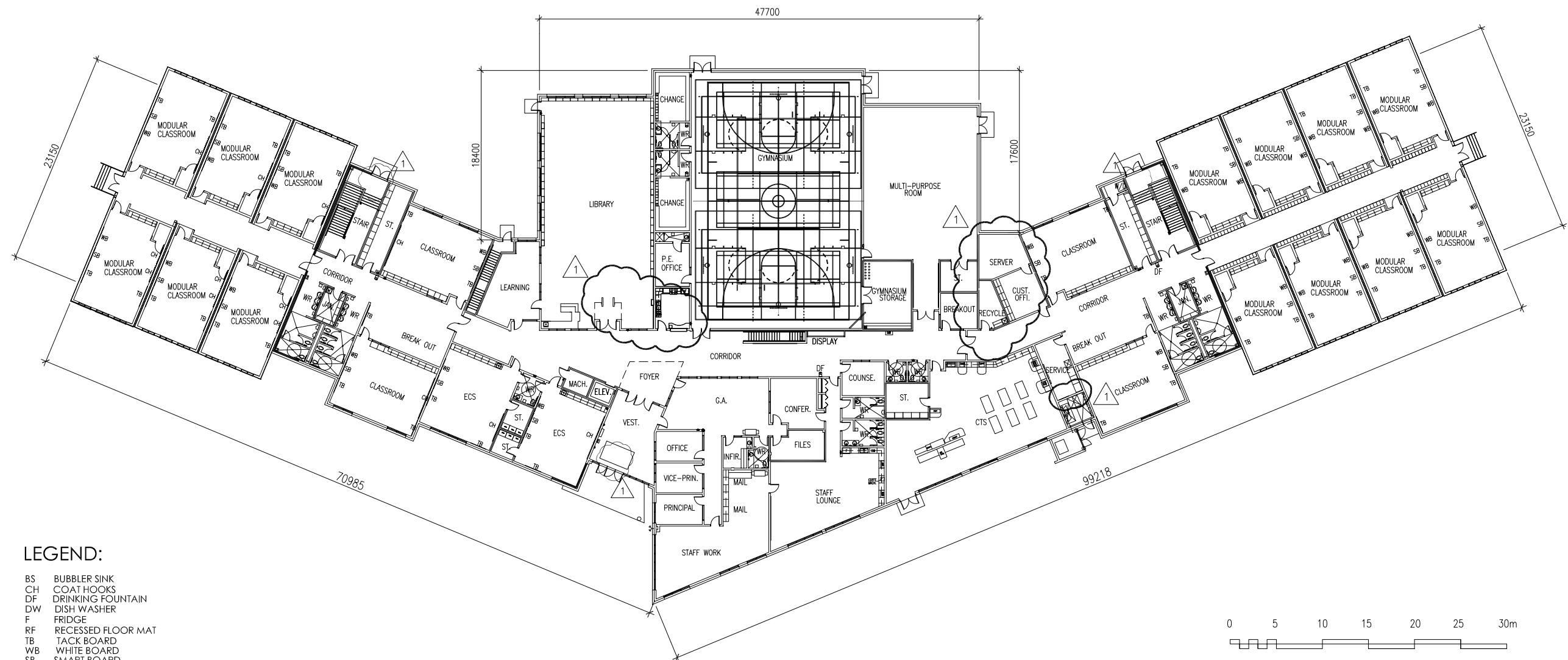
LEGEND:

- BS BUBBLER SINK
- CH COAT HOOKS
- DF DRINKING FOUNTAIN
- DW DISH WASHER
- F FRIDGE
- RF RECESSED FLOOR MAT
- TB TACK BOARD
- WB WHITE BOARD
- SB SMART BOARD
- TL TEACHERS LOCKER
- WB WHITE BOARD
- KI KILN (N.I.C.)
- MW MICROWAVE (N.I.C.)
- PS GYM POST SOCKERS

5 (REV. 2)

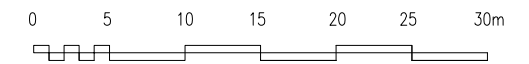
GRIESBACH ELEMENTARY & JUNIOR HIGH SCHOOL

SCHEDULE 18 (TECHNICAL REQUIREMENTS) APPENDIX B - MODIFIED SCHOOL DESIGN



LEGEND:

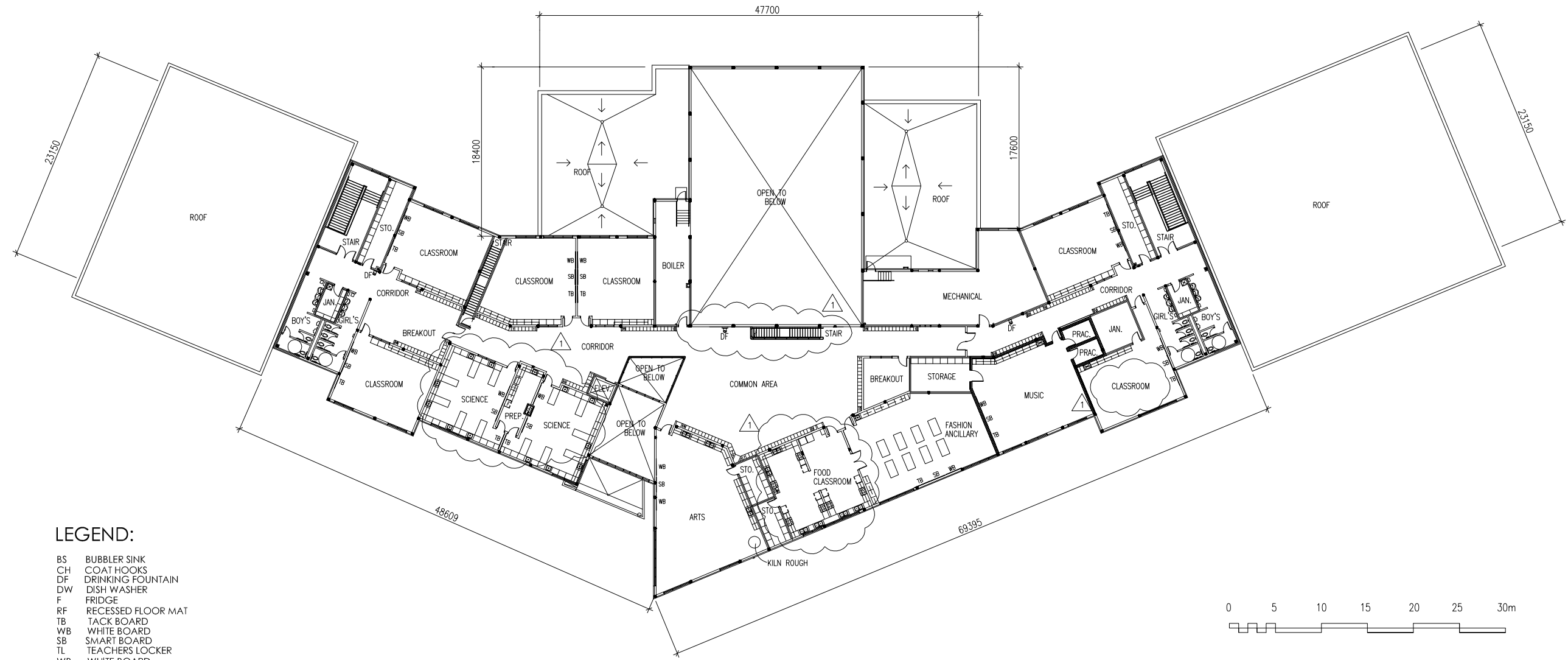
- BS BUBBLER SINK
- CH COAT HOOKS
- DF DRINKING FOUNTAIN
- DW DISH WASHER
- F FRIDGE
- RF RECESSED FLOOR MAT
- TB TACK BOARD
- WB WHITE BOARD
- SB SMART BOARD
- TL TEACHERS LOCKER
- WB WHITE BOARD
- KI KILN (N.I.C.)
- MW MICROWAVE (N.I.C.)
- PS GYM POST SOCKERS



6A (REV. 1)

ELLERSLIE ELEMENTARY & JUNIOR HIGH SCHOOL

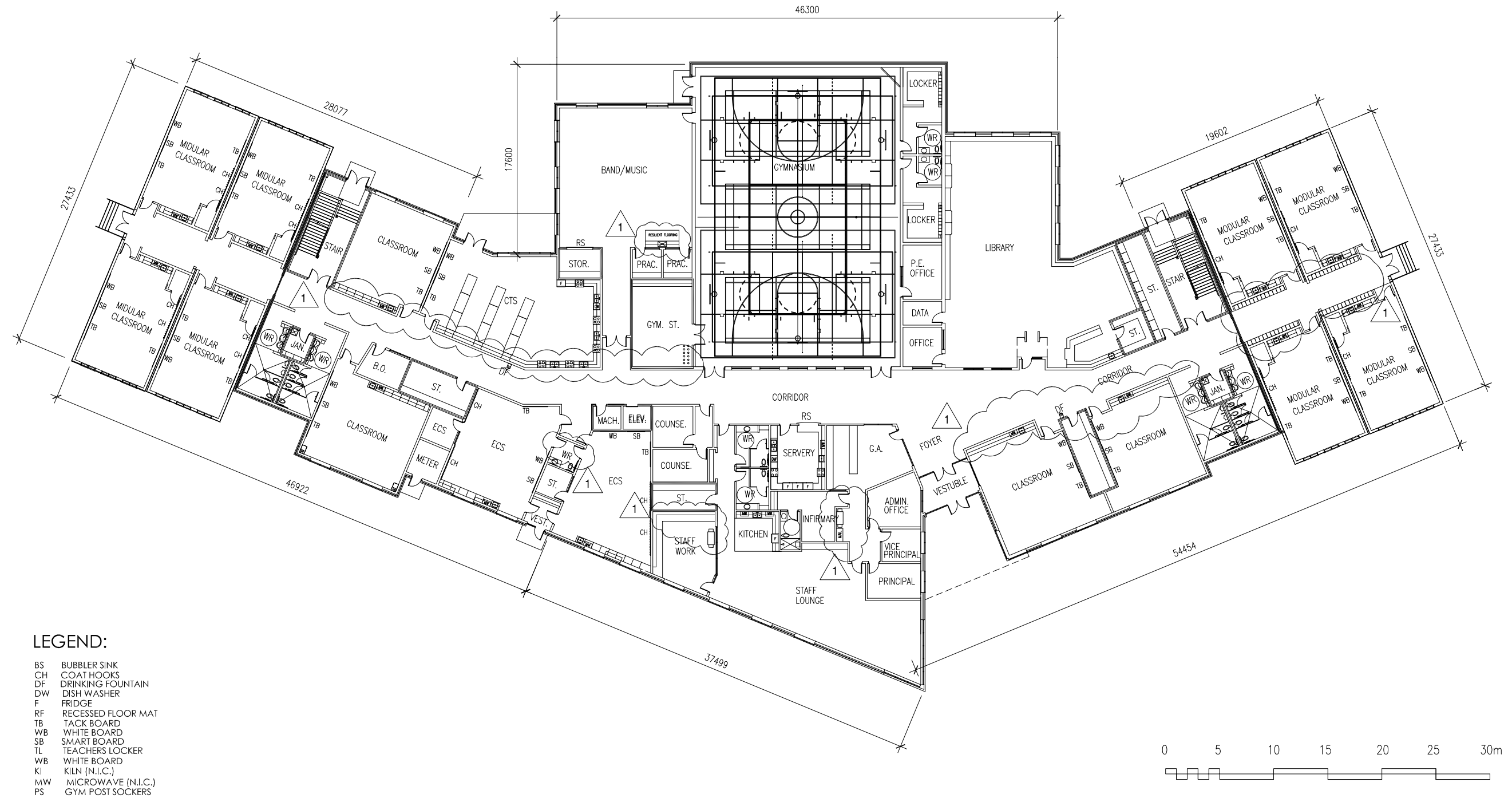
SCHEDULE 18 (TECHNICAL REQUIREMENTS) APPENDIX B - MODIFIED SCHOOL DESIGN



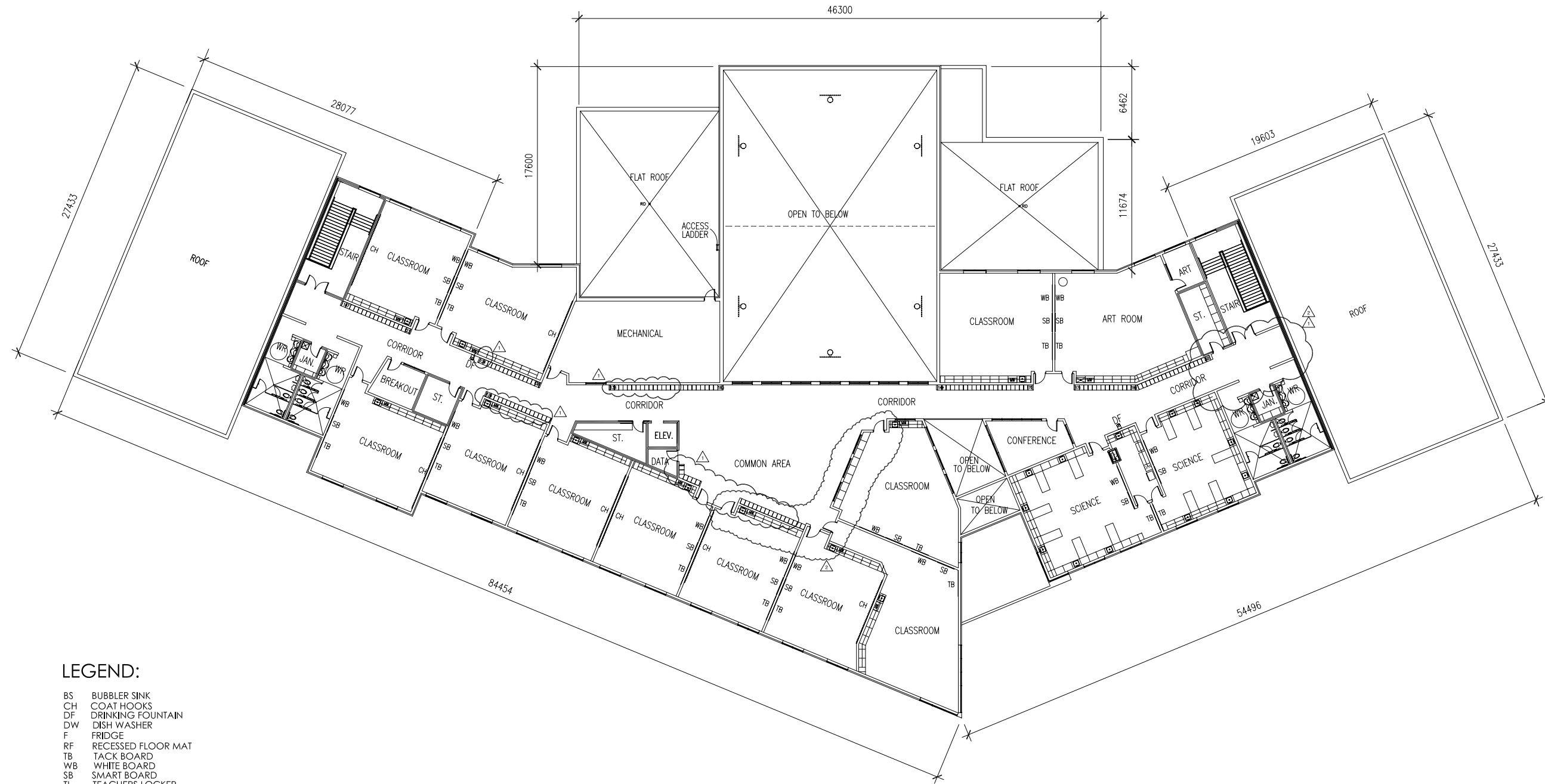
6B (REV. 1)

ELLERSLIE ELEMENTARY & JUNIOR HIGH SCHOOL

SCHEDULE 18 (TECHNICAL REQUIREMENTS) APPENDIX B - MODIFIED SCHOOL DESIGN



SCHEDULE 18 (TECHNICAL REQUIREMENTS) APPENDIX B - MODIFIED SCHOOL DESIGN



LEGEND:

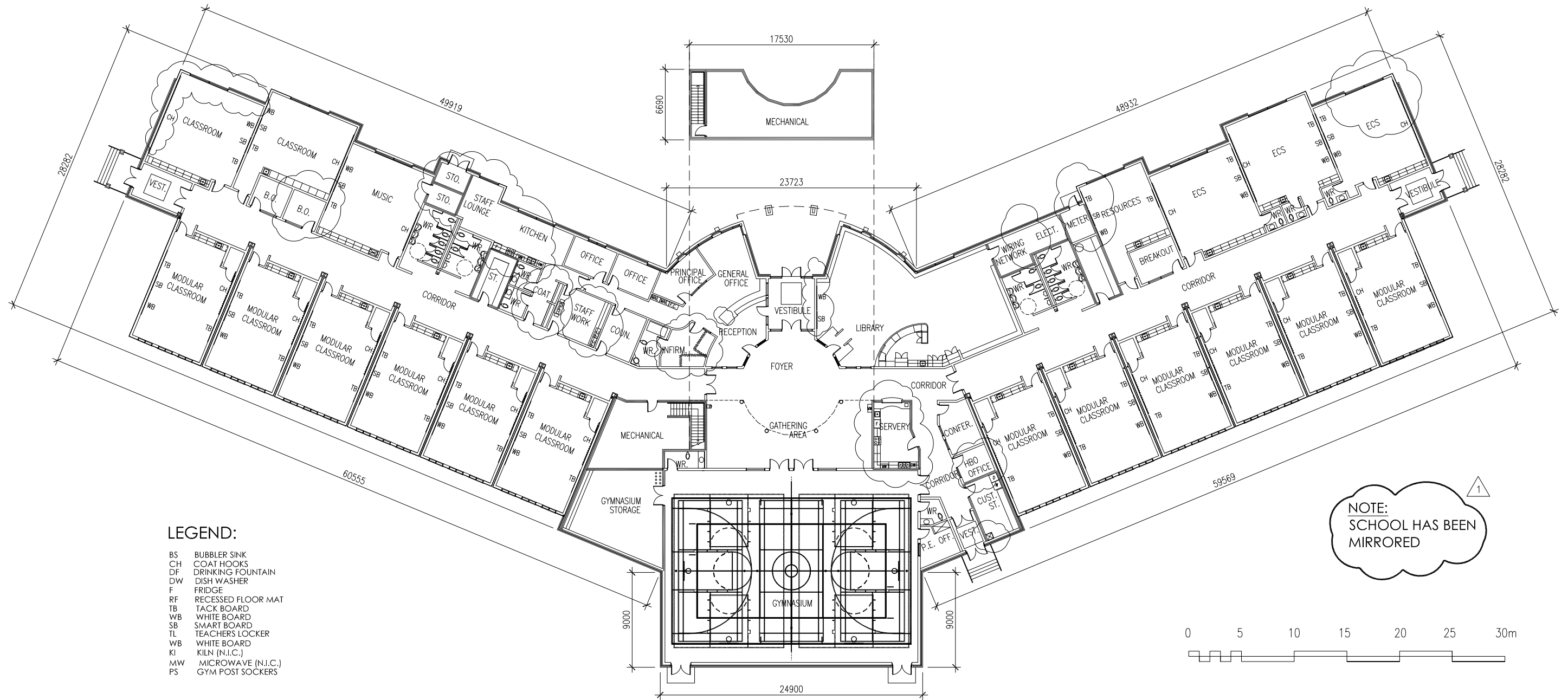
- BS BUBBLER SINK
- CH COAT HOOKS
- DF DRINKING FOUNTAIN
- DW DISH WASHER
- F FRIDGE
- RF RECESSED FLOOR MAT
- TB TACK BOARD
- WB WHITE BOARD
- SB SMART BOARD
- TL TEACHERS LOCKER
- WB WHITE BOARD
- KI KILN (N.I.C.)
- MW MICROWAVE (N.I.C.)
- PS GYM POST SOCKERS



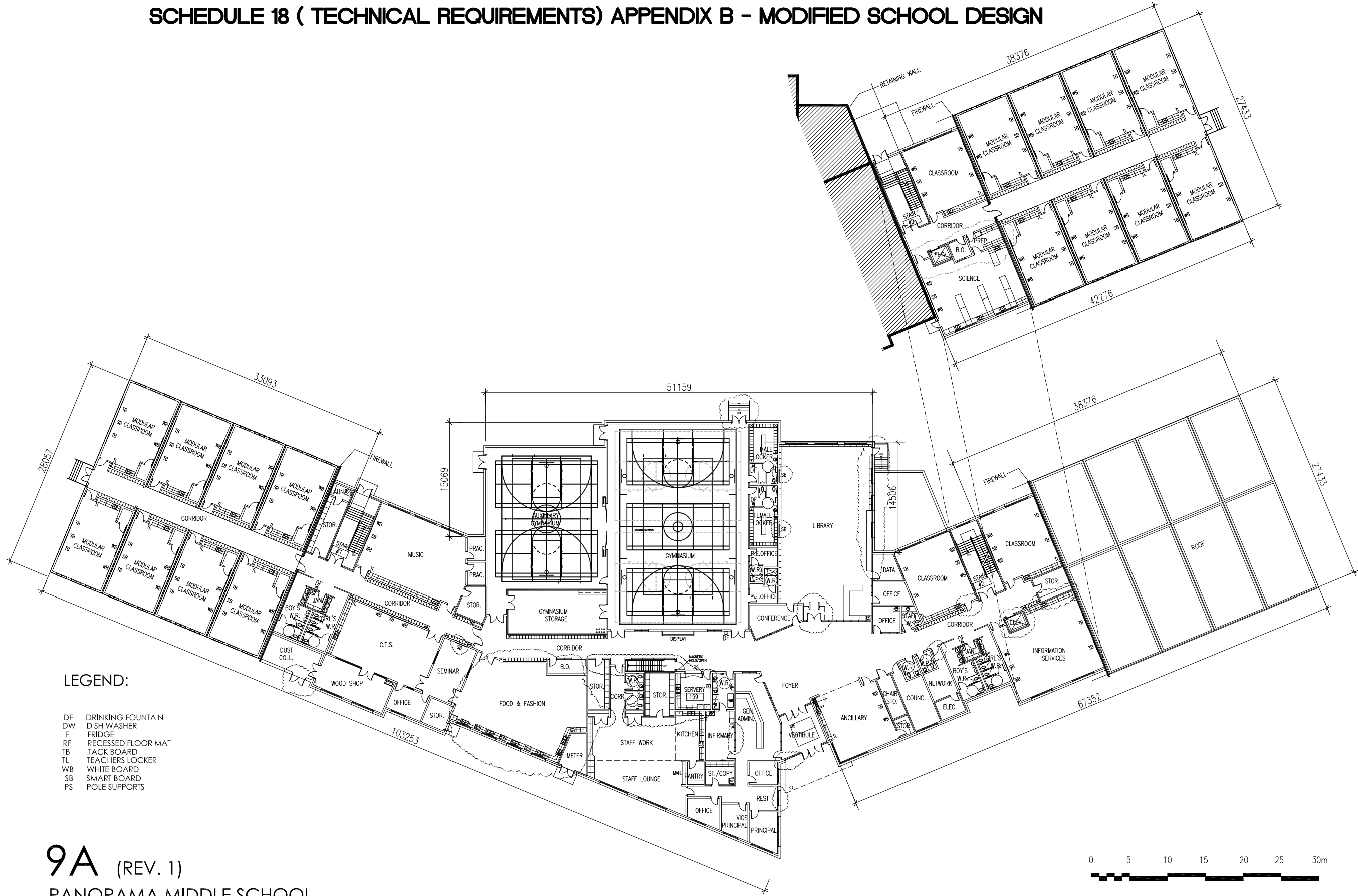
7B (REV. 2)

WESTMOUNT ELEMENTARY & JUNIOR HIGH SCHOOL

SCHEDULE 18 (TECHNICAL REQUIREMENTS) APPENDIX B - MODIFIED SCHOOL DESIGN

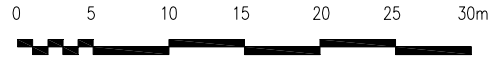


SCHEDULE 18 (TECHNICAL REQUIREMENTS) APPENDIX B - MODIFIED SCHOOL DESIGN

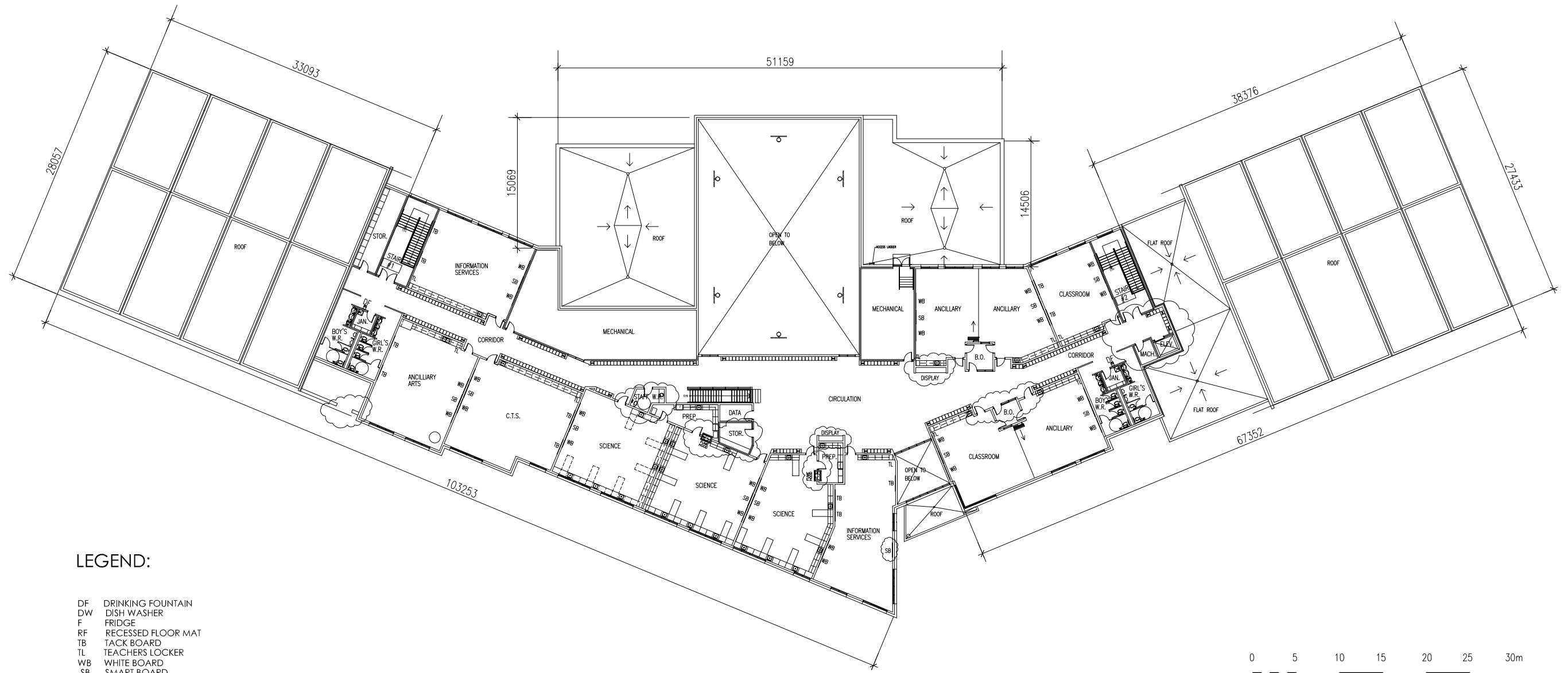


- LEGEND:**
- DF DRINKING FOUNTAIN
 - DW DISH WASHER
 - F FRIDGE
 - RF RECESSED FLOOR MAT
 - TB TACK BOARD
 - TL TEACHERS LOCKER
 - WB WHITE BOARD
 - SB SMART BOARD
 - PS POLE SUPPORTS

9A (REV. 1)
PANORAMA MIDDLE SCHOOL



SCHEDULE 18 (TECHNICAL REQUIREMENTS) APPENDIX B - MODIFIED SCHOOL DESIGN



9B (REV. 1)
PANORAMA MIDDLE SCHOOL

Schedule 18 (Technical Requirements)-DBFM Agreement

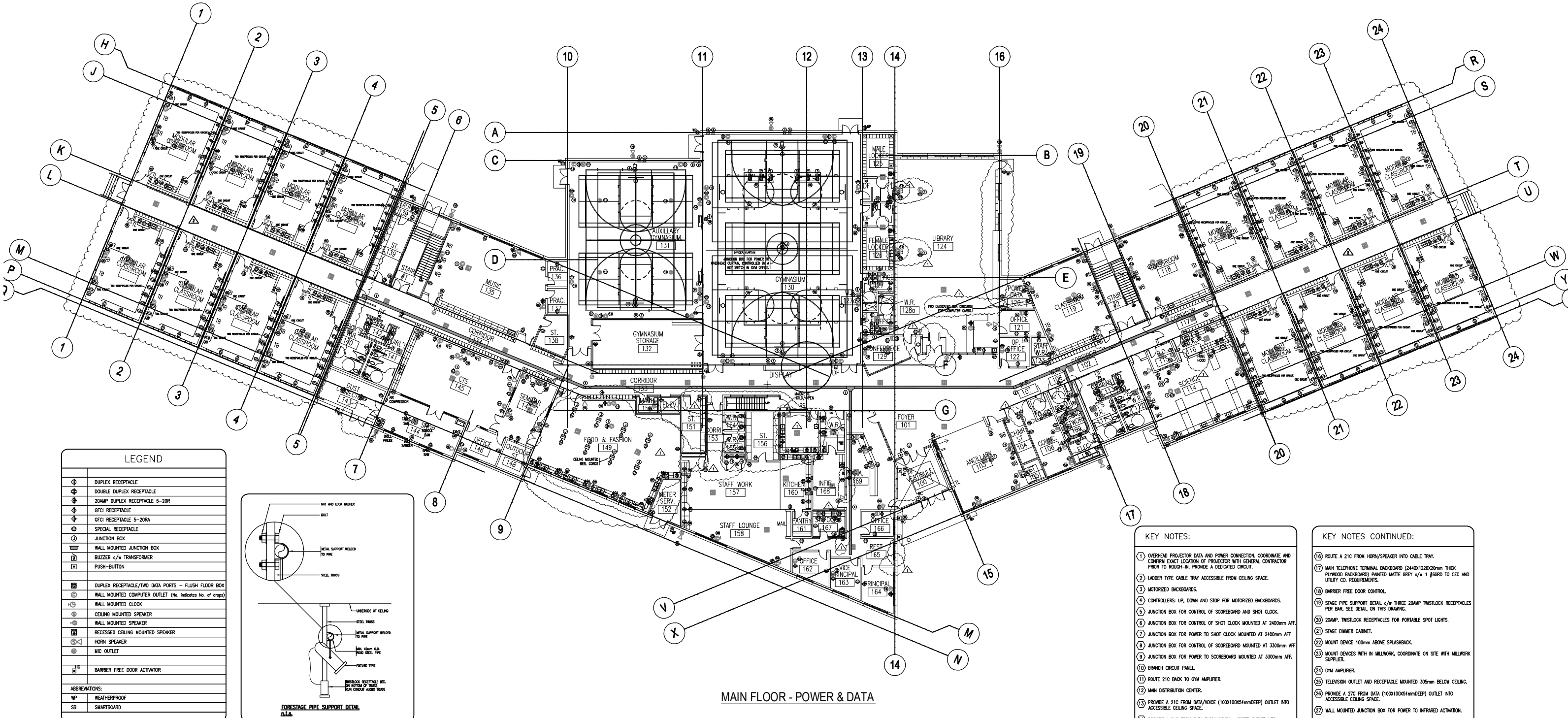
ATTACHMENT 2 – ELECTRICAL POWER & DATA PLANS

List of Electrical Power & Data Plans (separate attachment - 16 pages)

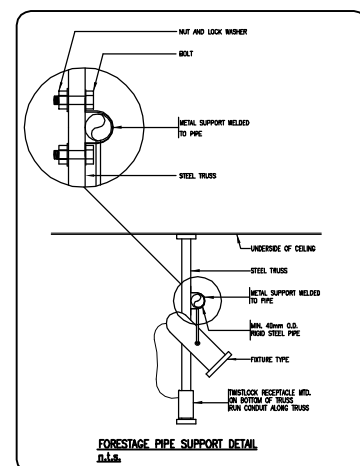
BLIMS BID #	Electrical Power and Data Plan #	School Board	Municipality	Community
B6128A	E8	RVSD	Rocky View County	Langdon
B6132A	E2A & E2B	CBE	Calgary	Taradale
B6133A	E9A & E9B	CBE	Calgary	Panorama
B6134A	E1A & E1B	CBE	Calgary	Tuscany
B6135A	E5	EPSB	Edmonton	Griesbach
B6136A	E1A & E1B	CBE	Calgary	Coventry Hills
B6137A	E7A & E7B	FSD	Okotoks	Westmount
B6140A	E3A & E3B	CSSD	Calgary	Copperfield
B6161A	E4A & E4B	EPSB	Edmonton	Hamptons
B6162A	E6A & E6B	EPSB	Edmonton	Ellerslie (Summerside)

The electrical information shown reflects the needs and locations of design elements identified by the user. This information is supplemental to code requirements. Drawings do not represent all electrical system requirements.

SCHEDULE 18 (TECHNICAL REQUIREMENTS) APPENDIX B - ELECTRICAL POWER AND DATA PLAN



LEGEND	
	DUPLEX RECEPTACLE
	DOUBLE DUPLEX RECEPTACLE
	20AMP DUPLEX RECEPTACLE 5-20R
	GFCI RECEPTACLE
	GFCI RECEPTACLE 5-20RA
	SPECIAL RECEPTACLE
	JUNCTION BOX
	WALL MOUNTED JUNCTION BOX
	BUZZER c/w TRANSFORMER
	PUSH-BUTTON
	DUPLEX RECEPTACLE/TWO DATA PORTS - FLUSH FLOOR BOX
	WALL MOUNTED COMPUTER OUTLET (No. indicates No. of drops)
	WALL MOUNTED CLOCK
	CEILING MOUNTED SPEAKER
	WALL MOUNTED SPEAKER
	RECESSED CEILING MOUNTED SPEAKER
	HORN SPEAKER
	MIC OUTLET
	BARRIER FREE DOOR ACTIVATOR
ABBREVIATIONS:	
WP	WEATHERPROOF
SB	SMARTBOARD



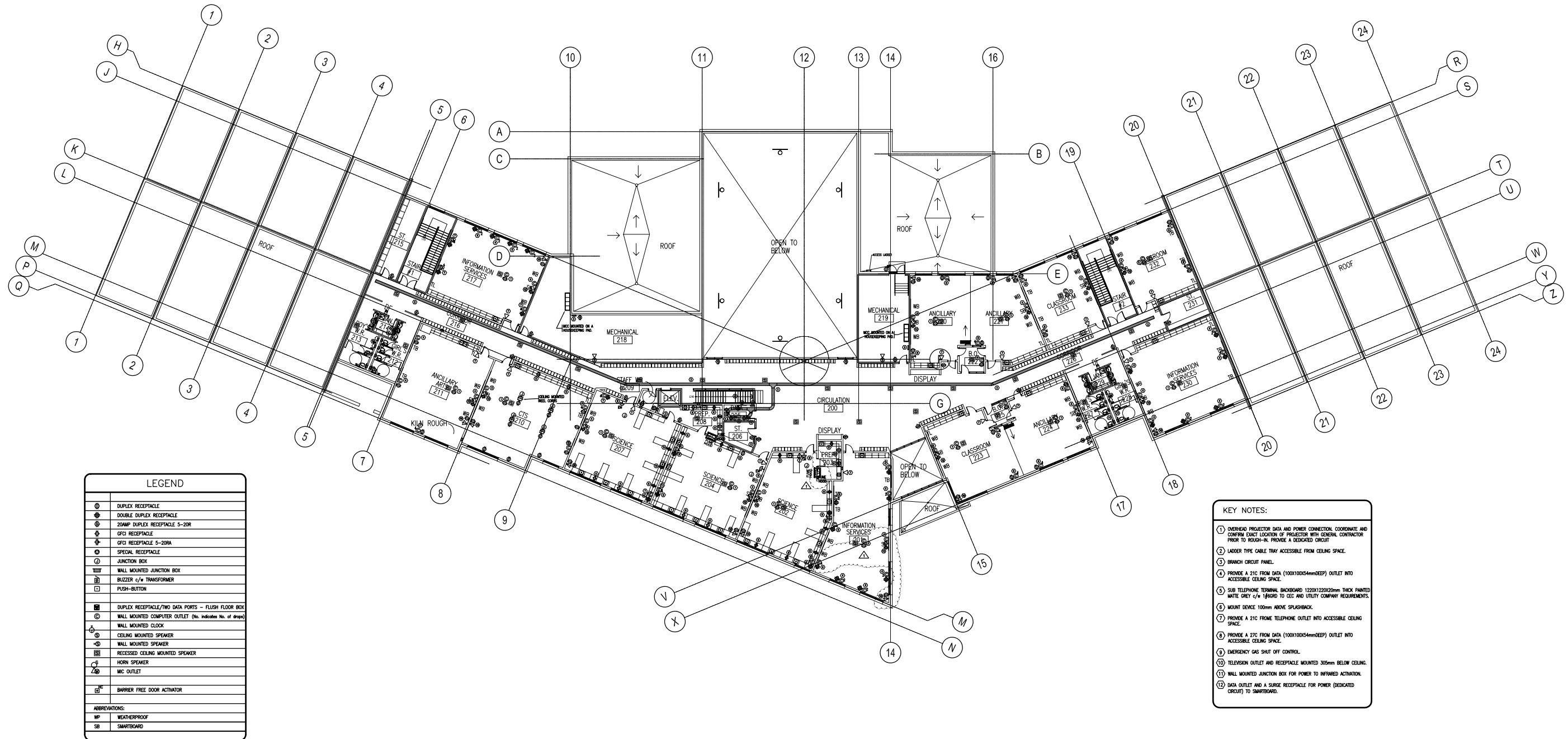
- KEY NOTES:**
- OVERHEAD PROJECTOR DATA AND POWER CONNECTION. COORDINATE AND CONFIRM EXACT LOCATION OF PROJECTOR WITH GENERAL CONTRACTOR PRIOR TO ROUGH-IN. PROVIDE A DEDICATED CIRCUIT.
 - LADDER TYPE CABLE TRAY ACCESSIBLE FROM CEILING SPACE.
 - MOTORIZED BACKBOARDS.
 - CONTROLLERS: UP, DOWN AND STOP FOR MOTORIZED BACKBOARDS.
 - JUNCTION BOX FOR CONTROL OF SCOREBOARD AND SHOT CLOCK.
 - JUNCTION BOX FOR CONTROL OF SHOT CLOCK MOUNTED AT 2400mm AFF.
 - JUNCTION BOX FOR POWER TO SHOT CLOCK MOUNTED AT 2400mm AFF.
 - JUNCTION BOX FOR CONTROL OF SCOREBOARD MOUNTED AT 3300mm AFF.
 - JUNCTION BOX FOR POWER TO SCOREBOARD MOUNTED AT 3300mm AFF.
 - BRANCH CIRCUIT PANEL.
 - ROUTE 21C BACK TO CVM AMPLIFIER.
 - MAIN DISTRIBUTION CENTER.
 - PROVIDE A 21C FROM DATA/VOICE (100X100X54mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
 - PROVIDE A 21C FROM DATA (100X100X54mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
 - PROVIDE A 21C FROM TELEPHONE OUTLET INTO ACCESSIBLE CEILING SPACE.

- KEY NOTES CONTINUED:**
- ROUTE A 21C FROM HORN/SPEAKER INTO CABLE TRAY.
 - MAIN TELEPHONE TERMINAL BACKBOARD (240X1220X20mm THICK PLYWOOD BACKBOARD) PAINTED MATTE GREY c/w 1 #6RD TO CED. AND UTILITY CO. REQUIREMENTS.
 - BARRIER FREE DOOR CONTROL.
 - STAGE PIPE SUPPORT DETAIL c/w THREE 20AMP TWISTLOCK RECEPTACLES PER BAR. SEE DETAIL ON THIS DRAWING.
 - 20AMP TWISTLOCK RECEPTACLES FOR PORTABLE SPOT LIGHTS.
 - STAGE DIMMER CABINET.
 - MOUNT DEVICE 100mm ABOVE SPLASHBACK.
 - MOUNT DEVICES WITH IN MILLWORK, COORDINATE ON SITE WITH MILLWORK SUPPLIER.
 - CVM AMPLIFIER.
 - TELEVISION OUTLET AND RECEPTACLE MOUNTED 305mm BELOW CEILING.
 - PROVIDE A 27C FROM DATA (100X100X54mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
 - WALL MOUNTED JUNCTION BOX FOR POWER TO INFRARED ACTIVATION.
 - DATA OUTLET AND A SURGE RECEPTACLE FOR POWER (DEDICATED CIRCUIT) TO SMARTBOARD.
 - EMERGENCY GAS SHUT OFF CONTROL.
 - EMERGENCY SHUT OFF STATION FOR SHOP EQUIPMENT.
 - MOUNT RECEPTACLE 600mm BELOW CEILING.

THE ELECTRICAL INFORMATION SHOWN REFLECTS THE NEEDS AND LOCATIONS OF DESIGN ELEMENTS IDENTIFIED BY THE USER. THIS INFORMATION IS SUPPLEMENTAL TO CODE REQUIREMENTS. DRAWINGS DO NOT REPRESENT ALL ELECTRICAL SYSTEM REQUIREMENTS.

E1A (REV-2)
 COVENTRY HILLS MIDDLE SCHOOL
 TUSCANY MIDDLE SCHOOL

SCHEDULE 18 (TECHNICAL REQUIREMENTS) APPENDIX B - ELECTRICAL POWER AND DATA PLAN



LEGEND	
	DUPLEX RECEPTACLE
	DOUBLE DUPLEX RECEPTACLE
	20AMP DUPLEX RECEPTACLE 5-20R
	GFI RECEPTACLE
	GFI RECEPTACLE 5-20RA
	SPECIAL RECEPTACLE
	JUNCTION BOX
	WALL MOUNTED JUNCTION BOX
	BUZZER w/ TRANSFORMER
	PUSH-BUTTON
	DUPLEX RECEPTACLE/TWO DATA PORTS - FLUSH FLOOR BOX
	WALL MOUNTED COMPUTER OUTLET (No. indicates No. of drops)
	WALL MOUNTED CLOCK
	CEILING MOUNTED SPEAKER
	WALL MOUNTED SPEAKER
	RECESSED CEILING MOUNTED SPEAKER
	HORN SPEAKER
	MIC OUTLET
	BARRIER FREE DOOR ACTUATOR
ABBREVIATIONS:	
WP	WEATHERPROOF
SB	SMARTBOARD

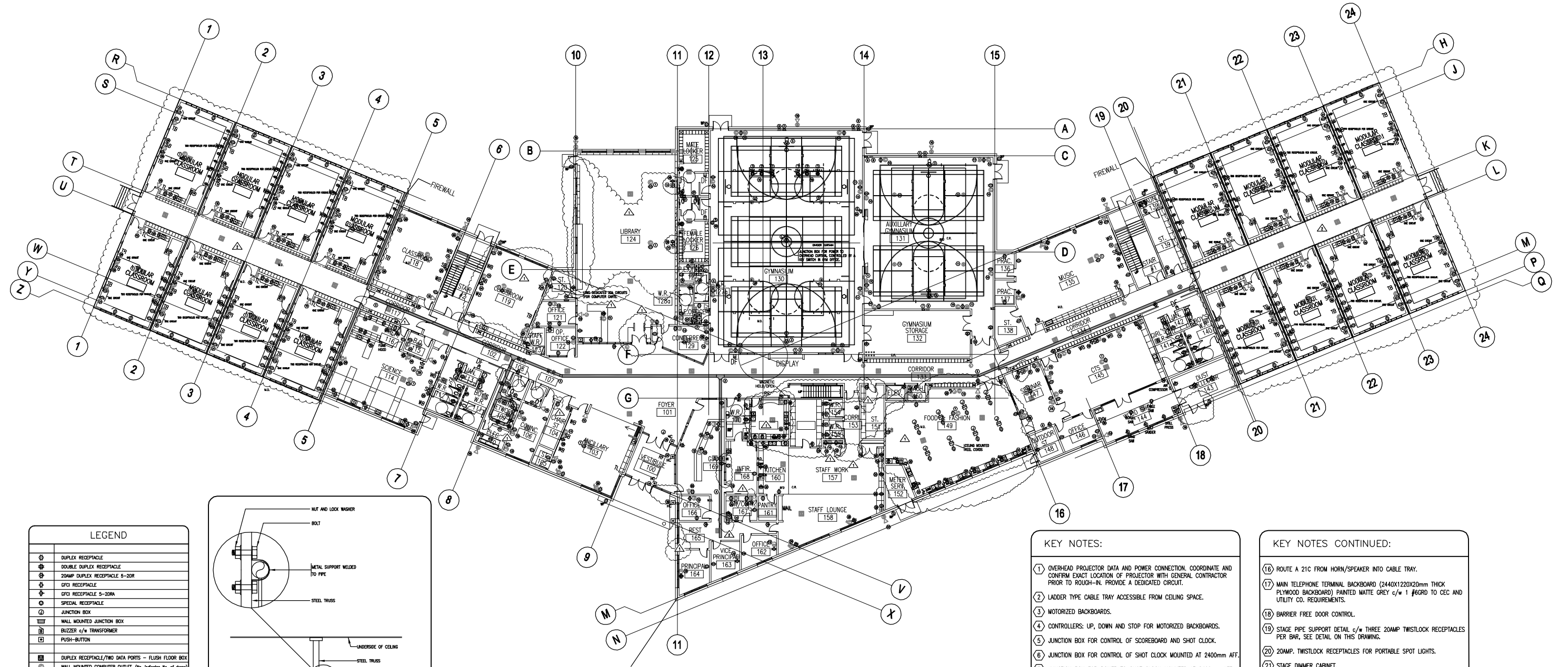
KEY NOTES:	
1	OVERHEAD PROJECTOR DATA AND POWER CONNECTION COORDINATE AND CONFIRM EXACT LOCATION OF PROJECTOR WITH GENERAL CONTRACTOR PRIOR TO ROUGH-IN. PROVIDE A DEDICATED CIRCUIT.
2	LADDER TYPE CABLE TRAY ACCESSIBLE FROM CEILING SPACE.
3	BRANCH CIRCUIT PANEL.
4	PROVIDE A 21C FROM DATA (100X100X54mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
5	5/8" SUB TELEPHONE TERMINAL JACKBOARD 122X122X20mm THICK PAINTED WHITE GREY c/w 1#6GND TO CEC AND UTILITY COMPANY REQUIREMENTS.
6	MOUNT DEVICE 100mm ABOVE SPLASHBACK.
7	PROVIDE A 21C FROM TELEPHONE OUTLET INTO ACCESSIBLE CEILING SPACE.
8	PROVIDE A 21C FROM DATA (100X100X54mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
9	EMERGENCY GAS SHUT OFF CONTROL.
10	TELEVISION OUTLET AND RECEPTACLE MOUNTED 305mm BELOW CEILING.
11	WALL MOUNTED JUNCTION BOX FOR POWER TO INFRARED ACTUATOR.
12	DATA OUTLET AND A SURGE RECEPTACLE FOR POWER (DEDICATED CIRCUIT) TO SMARTBOARD.

SECOND FLOOR - POWER & DATA

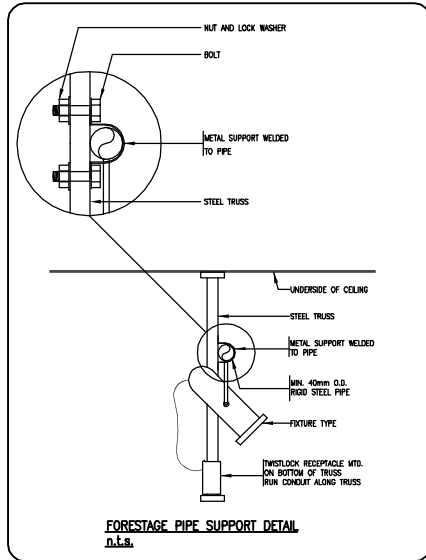
E1B (REV-1)
 COVENTRY HILLS MIDDLE SCHOOL
 TUSCANY MIDDLE SCHOOL

THE ELECTRICAL INFORMATION SHOWN REFLECTS THE NEEDS AND LOCATIONS OF DESIGN ELEMENTS IDENTIFIED BY THE USER. THIS INFORMATION IS SUPPLEMENTAL TO CODE REQUIREMENTS. DRAWINGS DO NOT REPRESENT ALL ELECTRICAL SYSTEM REQUIREMENTS.

SCHEDULE 18 (TECHNICAL REQUIREMENTS) APPENDIX B - ELECTRICAL POWER AND DATA PLAN



LEGEND	
[Symbol]	DUPLEX RECEPTACLE
[Symbol]	DOUBLE DUPLEX RECEPTACLE
[Symbol]	20AMP DUPLEX RECEPTACLE 5-20R
[Symbol]	GFIC RECEPTACLE
[Symbol]	GFIC RECEPTACLE 5-20RA
[Symbol]	SPECIAL RECEPTACLE
[Symbol]	JUNCTION BOX
[Symbol]	WALL MOUNTED JUNCTION BOX
[Symbol]	BUZZER c/w TRANSFORMER
[Symbol]	PUSH-BUTTON
[Symbol]	DUPLEX RECEPTACLE/TWO DATA PORTS - FLUSH FLOOR BOX
[Symbol]	WALL MOUNTED COMPUTER OUTLET (No. indicates No. of drops)
[Symbol]	WALL MOUNTED CLOCK
[Symbol]	CEILING MOUNTED SPEAKER
[Symbol]	WALL MOUNTED SPEAKER
[Symbol]	RECESSED CEILING MOUNTED SPEAKER
[Symbol]	HORN SPEAKER
[Symbol]	MIC OUTLET
[Symbol]	BARRIER FREE DOOR ACTIVATOR
ABBREVIATIONS:	
WP	WEATHERPROOF
SB	SMARTBOARD



THE ELECTRICAL INFORMATION SHOWN REFLECTS THE NEEDS AND LOCATIONS OF DESIGN ELEMENTS IDENTIFIED BY THE USER. THIS INFORMATION IS SUPPLEMENTAL TO CODE REQUIREMENTS. DRAWINGS DO NOT REPRESENT ALL ELECTRICAL SYSTEM REQUIREMENTS.

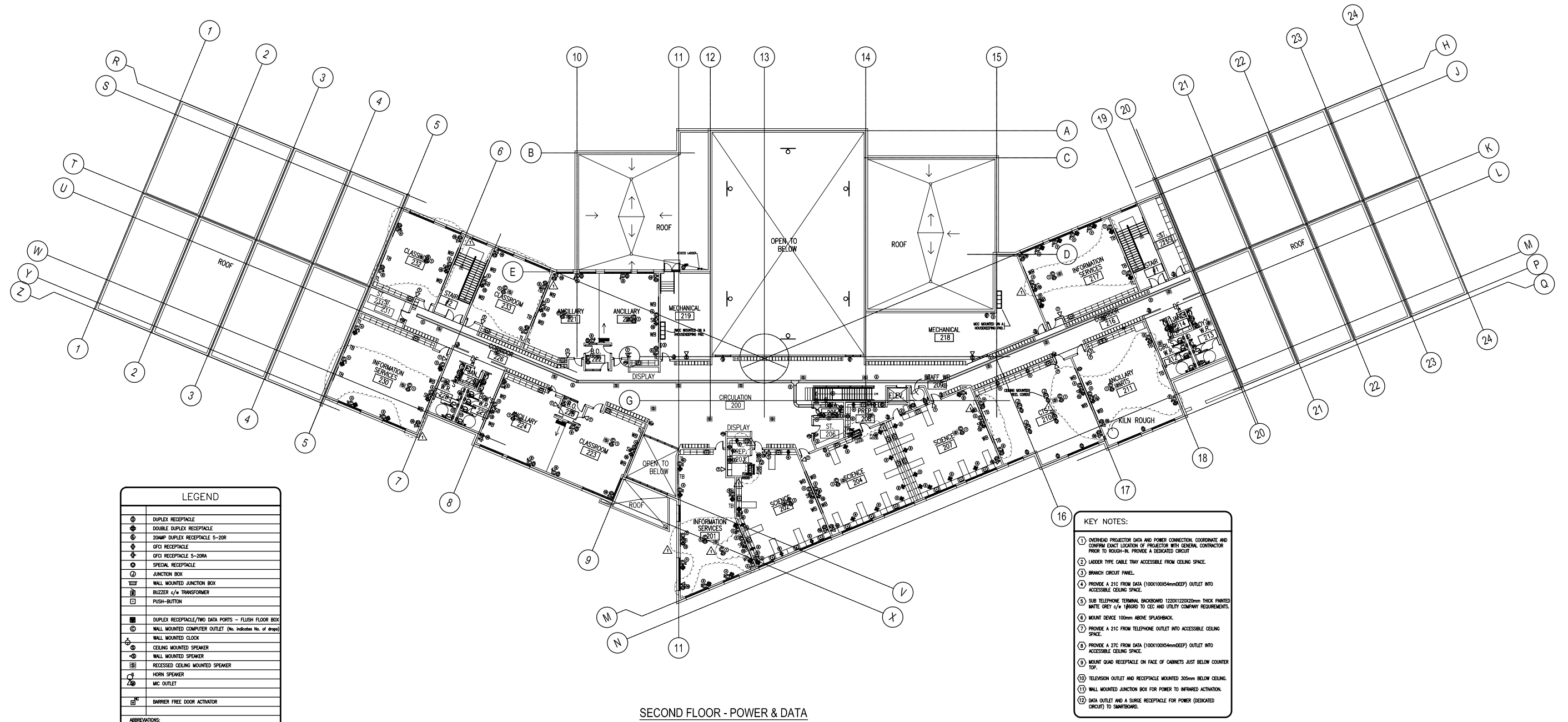
- KEY NOTES:**
- OVERHEAD PROJECTOR DATA AND POWER CONNECTION. COORDINATE AND CONFIRM EXACT LOCATION OF PROJECTOR WITH GENERAL CONTRACTOR PRIOR TO ROUGH-IN. PROVIDE A DEDICATED CIRCUIT.
 - LADDER TYPE CABLE TRAY ACCESSIBLE FROM CEILING SPACE.
 - MOTORIZED BACKBOARDS.
 - CONTROLLERS: UP, DOWN AND STOP FOR MOTORIZED BACKBOARDS.
 - JUNCTION BOX FOR CONTROL OF SCOREBOARD AND SHOT CLOCK.
 - JUNCTION BOX FOR CONTROL OF SHOT CLOCK MOUNTED AT 2400mm AFF.
 - JUNCTION BOX FOR POWER TO SHOT CLOCK MOUNTED AT 2400mm AFF.
 - JUNCTION BOX FOR CONTROL OF SCOREBOARD MOUNTED AT 3300mm AFF.
 - JUNCTION BOX FOR POWER TO SCOREBOARD MOUNTED AT 3300mm AFF.
 - BRANCH CIRCUIT PANEL.
 - ROUTE 21C BACK TO GYM AMPLIFIER.
 - MAIN DISTRIBUTION CENTER.
 - PROVIDE A 21C FROM DATA (100X100X54mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
 - PROVIDE A 21C FROM DATA (100X100X54mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
 - PROVIDE A 21C FROM TELEPHONE OUTLET INTO ACCESSIBLE CEILING SPACE.

- KEY NOTES CONTINUED:**
- ROUTE A 21C FROM HORN/SPEAKER INTO CABLE TRAY.
 - MAIN TELEPHONE TERMINAL BACKBOARD (2440X1220X20mm THICK PLYWOOD BACKBOARD) PAINTED MATTE GREY c/w 1 #6GRD TO CEC AND UTILITY CO. REQUIREMENTS.
 - BARRIER FREE DOOR CONTROL.
 - STAGE PIPE SUPPORT DETAIL c/w THREE 20AMP TWISTLOCK RECEPTACLES PER BAR, SEE DETAIL ON THIS DRAWING.
 - 20AMP TWISTLOCK RECEPTACLES FOR PORTABLE SPOT LIGHTS.
 - STAGE DIMMER CABINET.
 - MOUNT DEVICE 100mm ABOVE SPLASHBACK.
 - MOUNT DEVICES WITH IN MILLWORK, COORDINATE ON SITE WITH MILLWORK SUPPLIER.
 - GYM AMPLIFIER.
 - TELEVISION OUTLET AND RECEPTACLE MOUNTED 305mm BELOW CEILING.
 - PROVIDE A 27C FROM DATA (100X100X54mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
 - WALL MOUNTED JUNCTION BOX FOR POWER TO INFRARED ACTIVATION.
 - DATA OUTLET AND A SURGE RECEPTACLE FOR POWER (DEDICATED CIRCUIT) TO SMARTBOARD.
 - EMERGENCY GAS SHUT OFF CONTROL.
 - EMERGENCY SHUT OFF STATION FOR SHOP EQUIPMENT.
 - MOUNT RECEPTACLE 600mm BELOW CEILING.

E2A (REV-2)

TARADALE MIDDLE SCHOOL

SCHEDULE 18 (TECHNICAL REQUIREMENTS) APPENDIX B - ELECTRICAL POWER AND DATA PLAN



LEGEND	
	DUPLEX RECEPTACLE
	DOUBLE DUPLEX RECEPTACLE
	20AMP DUPLEX RECEPTACLE 5-20R
	GFCI RECEPTACLE
	GFCI RECEPTACLE 5-20RA
	SPECIAL RECEPTACLE
	JUNCTION BOX
	WALL MOUNTED JUNCTION BOX
	BLUZZER w/ TRANSFORMER
	PUSH-BUTTON
	DUPLEX RECEPTACLE/TWO DATA PORTS - FLUSH FLOOR BOX
	WALL MOUNTED COMPUTER OUTLET (No. indicates No. of drops)
	WALL MOUNTED CLOCK
	CEILING MOUNTED SPEAKER
	WALL MOUNTED SPEAKER
	RECESSED CEILING MOUNTED SPEAKER
	HORN SPEAKER
	MIC OUTLET
	BARRIER FREE DOOR ACTUATOR
ABBREVIATIONS:	
WP	WEATHERPROOF
SB	SMARTBOARD

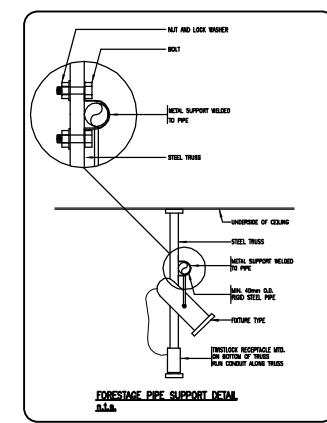
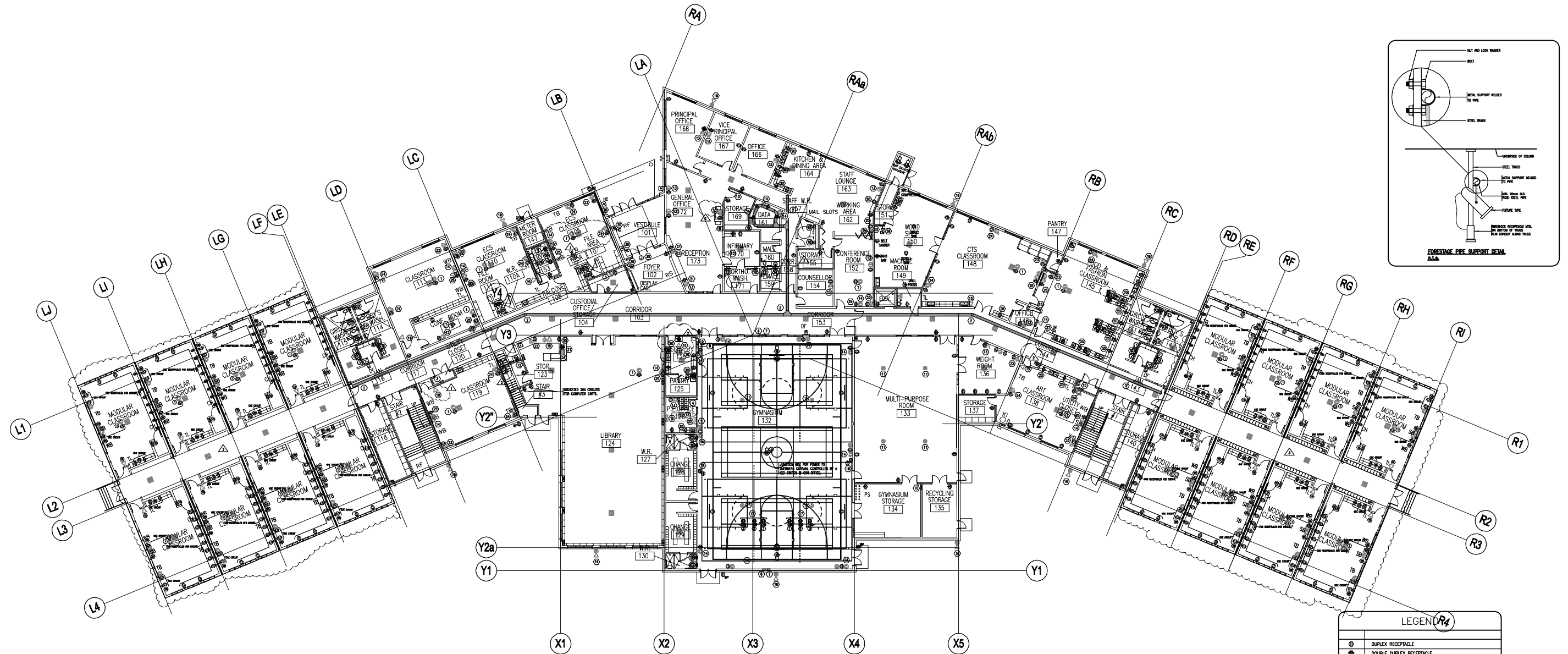
- KEY NOTES:
- OVERHEAD PROJECTOR DATA AND POWER CONNECTION. COORDINATE AND CONFIRM EXACT LOCATION OF PROJECTOR WITH GENERAL CONTRACTOR PRIOR TO ROUGH-IN. PROVIDE A DEDICATED CIRCUIT.
 - LADDER TYPE CABLE TRAY ACCESSIBLE FROM CEILING SPACE.
 - BRANCH CIRCUIT PANEL.
 - PROVIDE A 21C FROM DATA (100X100X54mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
 - SUB TELEPHONE TERMINAL BACKSHELL 1220X1220X20mm THICK PAINTED MATTE GREY c/w 1#6990 TO CEC AND UTILITY COMPANY REQUIREMENTS.
 - MOUNT DEVICE 100mm ABOVE SPLASHBACK.
 - PROVIDE A 21C FROM TELEPHONE OUTLET INTO ACCESSIBLE CEILING SPACE.
 - PROVIDE A 27C FROM DATA (100X100X54mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
 - MOUNT QUAD RECEPTACLE ON FACE OF CABINETS JUST BELOW COUNTER TOP.
 - TELEVISION OUTLET AND RECEPTACLE MOUNTED 305mm BELOW CEILING.
 - WALL MOUNTED JUNCTION BOX FOR POWER TO INFRARED ACTINATION.
 - DATA OUTLET AND A SURGE RECEPTACLE FOR POWER (DEDICATED CIRCUIT) TO SMARTBOARD.

SECOND FLOOR - POWER & DATA

THE ELECTRICAL INFORMATION SHOWN REFLECTS THE NEEDS AND LOCATIONS OF DESIGN ELEMENTS IDENTIFIED BY THE USER. THIS INFORMATION IS SUPPLEMENTAL TO CODE REQUIREMENTS. DRAWINGS DO NOT REPRESENT ALL ELECTRICAL SYSTEM REQUIREMENTS.

E2B (REV-1)
TARADALE MIDDLE SCHOOL

SCHEDULE 18 (TECHNICAL REQUIREMENTS) APPENDIX B - ELECTRICAL POWER AND DATA PLAN



MAIN FLOOR - POWER & DATA

THE ELECTRICAL INFORMATION SHOWN REFLECTS THE NEEDS AND LOCATIONS OF DESIGN ELEMENTS IDENTIFIED BY THE USER. THIS INFORMATION IS SUPPLEMENTAL TO CODE REQUIREMENTS. DRAWINGS DO NOT REPRESENT ALL ELECTRICAL SYSTEM REQUIREMENTS.

- KEY NOTES:**
- OVERHEAD PROJECTOR DATA AND POWER CONNECTION. COORDINATE AND CONFIRM EXACT LOCATION OF PROJECTOR WITH GENERAL CONTRACTOR PRIOR TO ROUGH-IN. PROVIDE A DEDICATED CIRCUIT.
 - LADDER TYPE CABLE TRAY ACCESSIBLE FROM CEILING SPACE.
 - MOTORIZED BACKBOARDS.
 - CONTROLLERS: UP, DOWN AND STOP FOR MOTORIZED BACKBOARDS.
 - JUNCTION BOX FOR CONTROL OF SCOREBOARD AND SHOT CLOCK.
 - JUNCTION BOX FOR CONTROL OF SHOT CLOCK MOUNTED AT 2400mm AFF.
 - JUNCTION BOX FOR POWER TO SHOT CLOCK MOUNTED AT 2400mm AFF.
 - JUNCTION BOX FOR CONTROL OF SCOREBOARD MOUNTED AT 3300mm AFF.
 - JUNCTION BOX FOR POWER TO SCOREBOARD MOUNTED AT 3300mm AFF.
 - BRANCH CIRCUIT PANEL.
 - ROUTE 21C BACK TO OVM AMPLIFIER.
 - WALL MOUNTED JUNCTION BOX FOR POWER TO INFRARED ACTIVATION.
 - PROVIDE A 21C FROM DATA (100X100X54mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
 - PROVIDE A 21C FROM DATA (100X100X54mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
 - PROVIDE A 21C FROM TELEPHONE OUTLET INTO ACCESSIBLE CEILING SPACE.

- KEY NOTES CONTINUED:**
- ROUTE A 21C FROM HORN/SPEAKER INTO CABLE TRAY.
 - STAGE PIPE SUPPORT DETAIL c/w THREE 20AMP TWISTLOCK RECEPTACLES PER BAR, SEE DETAIL ON THIS DRAWING.
 - 20AMP TWISTLOCK RECEPTACLES FOR PORTABLE SPOT LIGHTS.
 - STAGE DIMMER CABINET.
 - MOUNT DEVICE 100mm ABOVE SPLASHBACK.
 - MOUNT DEVICES WITH IN MALLWORK, COORDINATE ON SITE WITH MILLWORK SUPPLIER.
 - OVM AMPLIFIER.
 - TELEVISION OUTLET AND RECEPTACLE MOUNTED 305mm BELOW CEILING.
 - PROVIDE A 27C FROM DATA (100X100X54mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
 - DATA OUTLET AND A SURGE RECEPTACLE FOR POWER (DEDICATED CIRCUIT) TO SMARTBOARD.
 - EMERGENCY SHUT OFF STATION FOR SHOP EQUIPMENT.
 - EMERGENCY SHUT OFF STATION FOR KITCHEN EQUIPMENT.
 - MOUNT RECEPTACLE 600mm BELOW CEILING.

LEGEND

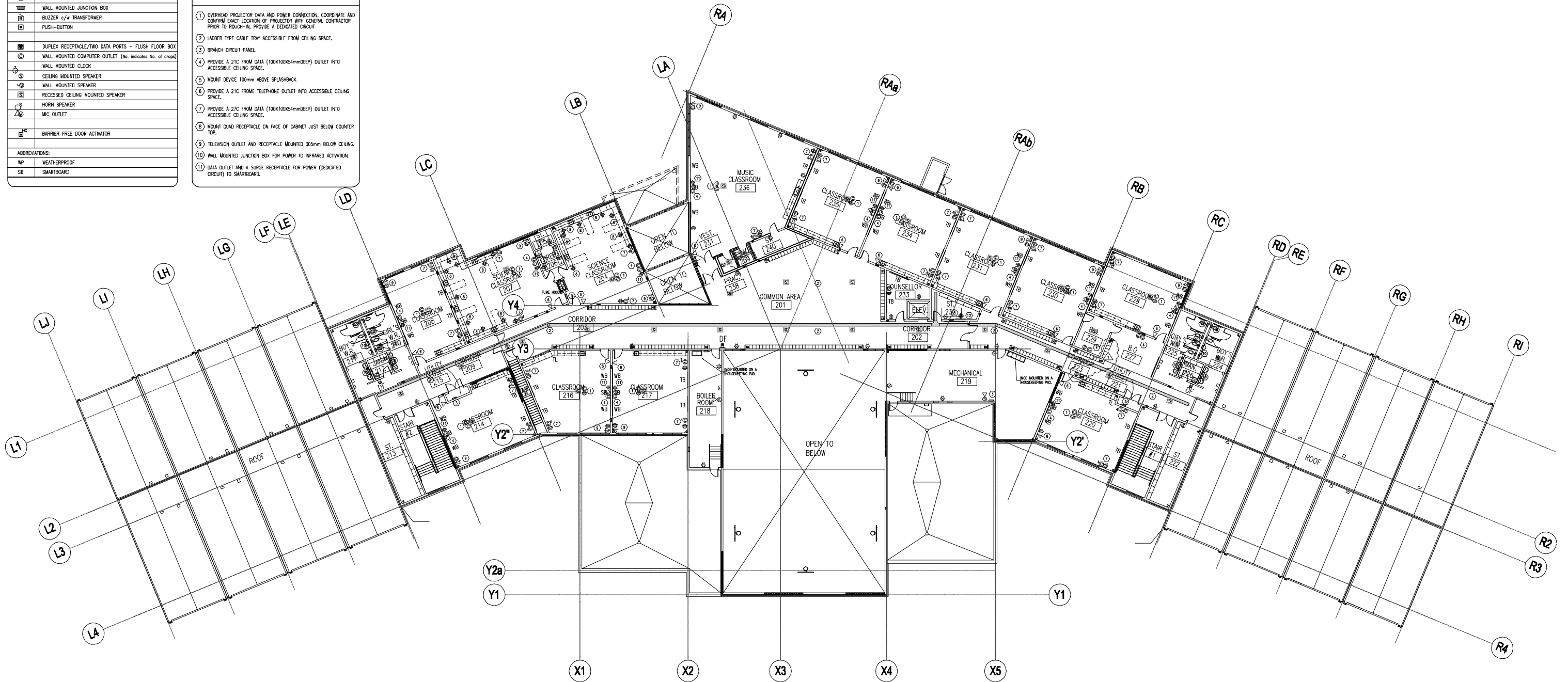
⊕	DUPLEX RECEPTACLE
⊕⊕	DOUBLE DUPLEX RECEPTACLE
⊕⊕⊕	20AMP DUPLEX RECEPTACLE 5-20R
⊕	GFCI RECEPTACLE
⊕	GFCI RECEPTACLE 5-20RA
⊕	SPECIAL RECEPTACLE
⊕	JUNCTION BOX
⊕	WALL MOUNTED JUNCTION BOX
⊕	BULBZER c/w TRANSFORMER
⊕	PUSH-BUTTON
⊕	DUPLEX RECEPTACLE/780 DATA PORTS - FLUSH FLOOR BOX
⊕	WALL MOUNTED COMPUTER OUTLET (No. indicates No. of drops)
⊕	WALL MOUNTED CLOCK
⊕	CEILING MOUNTED SPEAKER
⊕	WALL MOUNTED SPEAKER
⊕	RECESSED CEILING MOUNTED SPEAKER
⊕	HORN SPEAKER
⊕	MIC OUTLET
⊕	WEATHERPROOF
⊕	SMARTBOARD

E3A (REV-3)
COPPERFIELD ELEMENTARY & JUNIOR HIGH SCHOOL

LEGEND	
⊕	DUPLEX RECEPTACLE
⊕⊕	DOUBLE DUPLEX RECEPTACLE
⊕⊕	20AMP DUPLEX RECEPTACLE 5-20R
⊕	GFI RECEPTACLE
⊕	GFI RECEPTACLE 5-20RA
⊕	SPECIAL RECEPTACLE
⊕	JUNCTION BOX
⊕	WALL MOUNTED JUNCTION BOX
⊕	BUZZER c/w TRANSFORMER
⊕	PUSH-BUTTON
⊕	DUPLEX RECEPTACLE/TWO DATA PORTS - FLUSH FLOOR BOX
⊕	WALL MOUNTED COMPUTER OUTLET (No. indicates No. of drops)
⊕	WALL MOUNTED CLOCK
⊕	CEILING MOUNTED SPEAKER
⊕	WALL MOUNTED SPEAKER
⊕	RECESSED CEILING MOUNTED SPEAKER
⊕	HORN SPEAKER
⊕	MIC OUTLET
⊕	BARRIER FREE DOOR ACTIVATOR
ABBREVIATIONS:	
WP	WEATHERPROOF
SB	SMARTBOARD

KEY NOTES:	
1	OVERHEAD PROJECTOR DATA AND POWER CONNECTION, COORDINATE AND CONFIRM EXACT LOCATION OF PROJECTOR WITH GENERAL CONTRACTOR PRIOR TO ROUGH-IN. PROVIDE A DEDICATED CIRCUIT.
2	LADDER TYPE CABLE TRAY ACCESSIBLE FROM CEILING SPACE.
3	BRANCH CIRCUIT PANEL.
4	PROVIDE A 21C FROM DATA (100X100X54mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
5	MOUNT DEVICE 100mm ABOVE SPLASHBACK.
6	PROVIDE A 21C FROM TELEPHONE OUTLET INTO ACCESSIBLE CEILING SPACE.
7	PROVIDE A 27C FROM DATA (100X100X54mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
8	MOUNT QUAD RECEPTACLE ON FACE OF CABINET JUST BELOW COUNTER TOP.
9	TELEVISION OUTLET AND RECEPTACLE MOUNTED 305mm BELOW CEILING.
10	WALL MOUNTED JUNCTION BOX FOR POWER TO INFRARED ACTIVATION.
11	DATA OUTLET AND A SURGE RECEPTACLE FOR POWER (DEDICATED CIRCUIT) TO SMARTBOARD.

SCHEDULE 18 (TECHNICAL REQUIREMENTS) APPENDIX B -ELECTRICAL POWER AND DATA PLAN

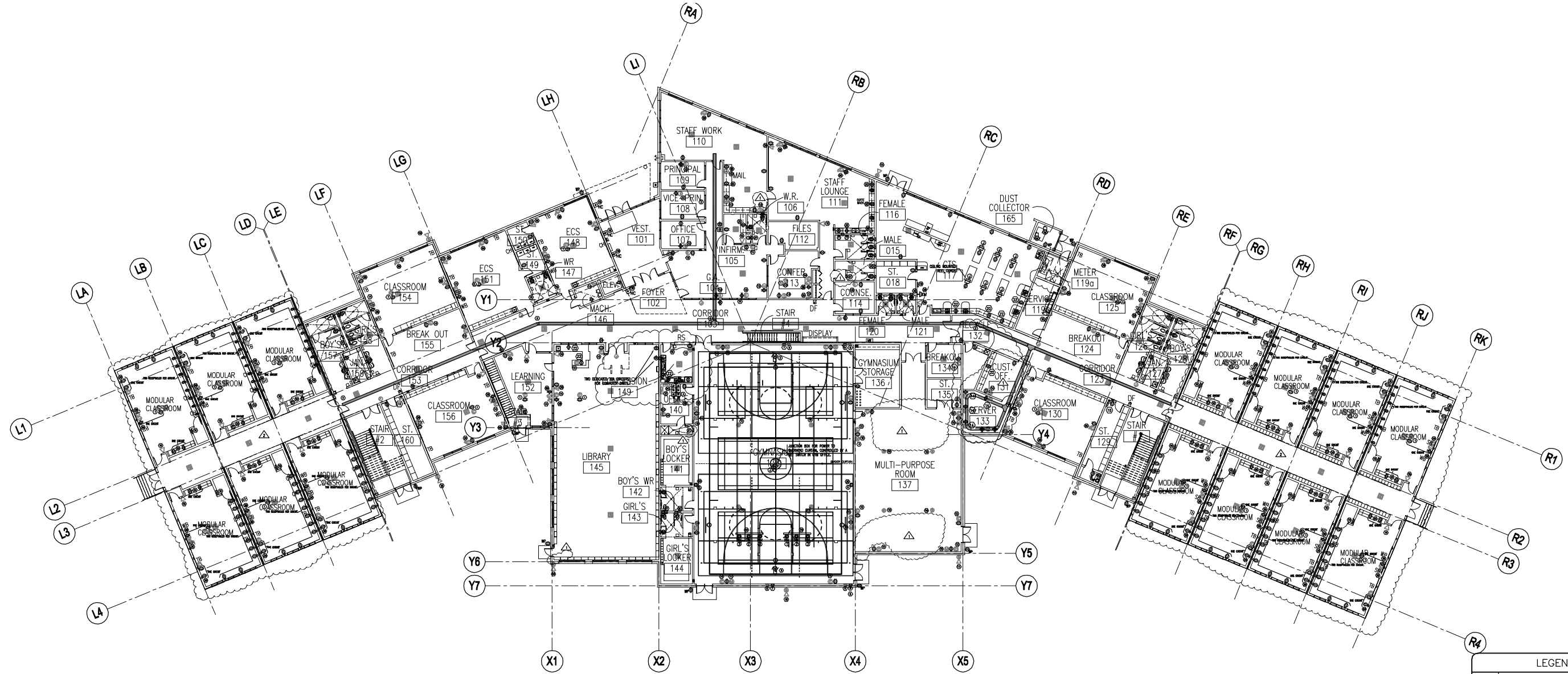


SECOND FLOOR - POWER & DATA

E3B (REV-2)
COPPERFIELD ELEMENTARY & JUNIOR HIGH SCHOOL

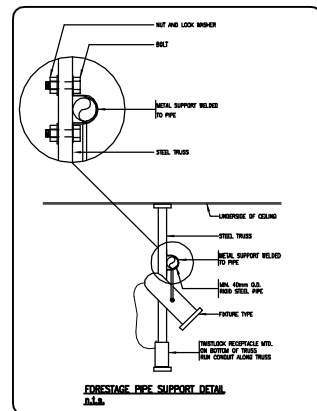
THE ELECTRICAL INFORMATION SHOWN REFLECTS THE NEEDS AND LOCATIONS OF DESIGN ELEMENTS IDENTIFIED BY THE USER. THIS INFORMATION IS SUPPLEMENTAL TO CODE REQUIREMENTS. DRAWINGS DO NOT REPRESENT ALL ELECTRICAL SYSTEM REQUIREMENTS.

SCHEDULE 18 (TECHNICAL REQUIREMENTS) APPENDIX B - ELECTRICAL POWER AND DATA PLAN



MAIN FLOOR - POWER & DATA

THE ELECTRICAL INFORMATION SHOWN REFLECTS THE NEEDS AND LOCATIONS OF DESIGN ELEMENTS IDENTIFIED BY THE USER. THIS INFORMATION IS SUPPLEMENTAL TO CODE REQUIREMENTS. DRAWINGS DO NOT REPRESENT ALL ELECTRICAL SYSTEM REQUIREMENTS.



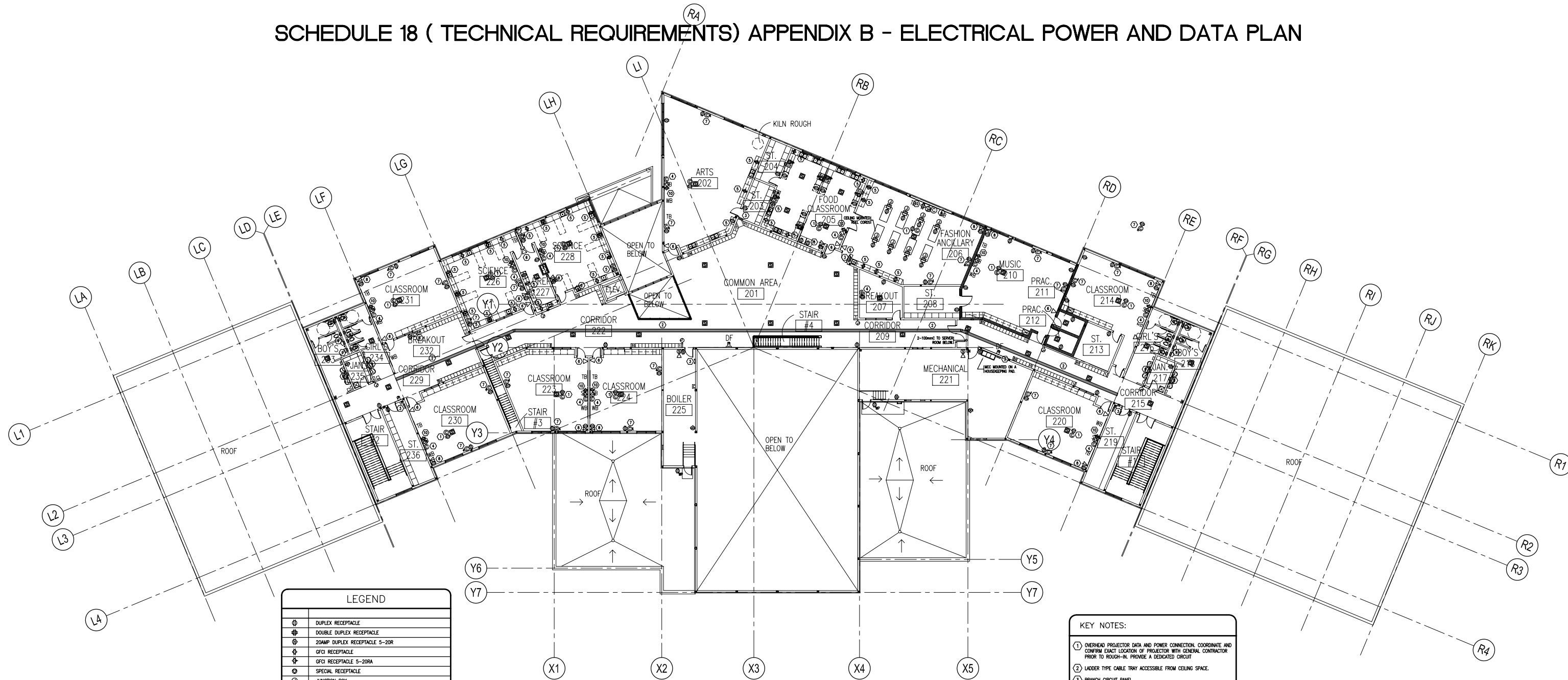
- KEY NOTES:**
- OVERHEAD PROJECTOR DATA AND POWER CONNECTION COORDINATE AND CONFIRM EXACT LOCATION OF PROJECTOR WITH GENERAL CONTRACTOR PRIOR TO INSTALL. PROVIDE A DEDICATED CIRCUIT.
 - LADDER TYPE CABLE TRAY ACCESSIBLE FROM CEILING SPACE.
 - MOTORIZED BACKBOARDS.
 - CONTROLLERS: UP, DOWN AND STOP FOR MOTORIZED BACKBOARDS.
 - JUNCTION BOX FOR CONTROL OF SCOREBOARD AND SHOT CLOCK.
 - JUNCTION BOX FOR CONTROL OF SHOT CLOCK MOUNTED AT 2400mm AFF.
 - JUNCTION BOX FOR POWER TO SHOT CLOCK MOUNTED AT 2400mm AFF.
 - JUNCTION BOX FOR CONTROL OF SCOREBOARD MOUNTED AT 3300mm AFF.
 - JUNCTION BOX FOR POWER TO SCOREBOARD MOUNTED AT 3300mm AFF.
 - BRANCH CIRCUIT PANEL.
 - ROUTE 21C BACK TO CVM AMPLIFIER.
 - MAIN DISTRIBUTION CENTER.
 - PROVIDE A 21C FROM DATA/VOICE (100X100X54mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
 - PROVIDE A 21C FROM DATA (100X100X54mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
 - PROVIDE A 21C FROM TELEPHONE OUTLET INTO ACCESSIBLE CEILING SPACE.

- KEY NOTES CONTINUED:**
- ROUTE A 21C FROM HORN/SPEAKER INTO CABLE TRAY.
 - MAIN TELEPHONE TERMINAL BACKBOARD (2440X1220X20mm THICK PLYWOOD BACKBOARD) PARTED WHITE GREY c/w 1/4\"/>
 - BARRIER FREE DOOR CONTROL.
 - STAGE PIPE SUPPORT DETAIL c/w THREE 20AMP TWISTLOCK RECEPTACLES PER BAR. SEE DETAIL ON THIS DRAWING.
 - 20AMP TWISTLOCK RECEPTACLES FOR PORTABLE SPOT LIGHTS.
 - STAGE DIMMER CABINET.
 - MOUNT DEVICE 100mm ABOVE SPLASHBACK.
 - MOUNT DEVICES WITH IN MILLWORK, COORDINATE ON SITE WITH MILLWORK SUPPLIER.
 - CVM AMPLIFIER.
 - TELEVISION OUTLET AND RECEPTACLE MOUNTED 305mm BELOW CEILING.
 - PROVIDE A 21C FROM DATA (100X100X54mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
 - WALL MOUNTED JUNCTION BOX FOR POWER TO INFRARED ACTIVATION.
 - DATA OUTLET AND A SURGE RECEPTACLE FOR POWER (DEDICATED CIRCUIT) TO SMARTBOARD.
 - EMERGENCY SHUT OFF STATION FOR SHOP EQUIPMENT.
 - MOUNT RECEPTACLE 600mm BELOW CEILING.

LEGEND	
	DUPLEX RECEPTACLE
	DOUBLE DUPLEX RECEPTACLE
	20AMP DUPLEX RECEPTACLE 5-20R
	GFCI RECEPTACLE
	GFCI RECEPTACLE 5-20RA
	SPECIAL RECEPTACLE
	JUNCTION BOX
	WALL MOUNTED JUNCTION BOX
	BLUZZER c/w TRANSFORMER
	PUSH-BUTTON
	DUPLEX RECEPTACLE/TWO DATA PORTS - FLUSH FLOOR BOX
	WALL MOUNTED COMPUTER OUTLET (No. indicates No. of drops)
	WALL MOUNTED CLOCK
	CEILING MOUNTED SPEAKER
	WALL MOUNTED SPEAKER
	RECESSED CEILING MOUNTED SPEAKER
	HORN SPEAKER
	IAC OUTLET
	BARRIER FREE DOOR ACTUATOR
ABBREVIATIONS:	
WP	WEATHERPROOF
SB	SMARTBOARD

E4A (REV-2)
THE HAMPTON'S ELEMENTARY & JUNIOR HIGH SCHOOL

SCHEDULE 18 (TECHNICAL REQUIREMENTS) APPENDIX B - ELECTRICAL POWER AND DATA PLAN



LEGEND	
	DUPLEX RECEPTACLE
	DOUBLE DUPLEX RECEPTACLE
	20AMP DUPLEX RECEPTACLE 5-20R
	GFCI RECEPTACLE
	GFCI RECEPTACLE 5-20RA
	SPECIAL RECEPTACLE
	JUNCTION BOX
	WALL MOUNTED JUNCTION BOX
	BUZZER c/w TRANSFORMER
	PUSH-BUTTON
	DUPLEX RECEPTACLE/TWO DATA PORTS - FLUSH FLOOR BOX
	WALL MOUNTED COMPUTER OUTLET (No. indicates No. of drops)
	WALL MOUNTED CLOCK
	CEILING MOUNTED SPEAKER
	WALL MOUNTED SPEAKER
	RECESSED CEILING MOUNTED SPEAKER
	HORN SPEAKER
	MIC OUTLET
	BARRIER FREE DOOR ACTIVATOR
ABBREVIATIONS:	
WP	WEATHERPROOF
SB	SMARTBOARD

- KEY NOTES:**
- OVERHEAD PROJECTOR DATA AND POWER CONNECTION. COORDINATE AND CONFIRM EXACT LOCATION OF PROJECTOR WITH GENERAL CONTRACTOR PRIOR TO ROUGH-IN. PROVIDE A DEDICATED CIRCUIT.
 - LADDER TYPE CABLE TRAY ACCESSIBLE FROM CEILING SPACE.
 - BRANCH CIRCUIT PANEL.
 - PROVIDE A 21C FROM DATA (100X100X54mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
 - MOUNT DEVICE 100mm ABOVE SPLASHBACK.
 - PROVIDE A 21C FROM TELEPHONE OUTLET INTO ACCESSIBLE CEILING SPACE.
 - PROVIDE A 27C FROM DATA (100X100X54mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
 - TELEVISION OUTLET AND RECEPTACLE MOUNTED 305mm BELOW CEILING.
 - WALL MOUNTED JUNCTION BOX FOR POWER TO INFRARED ACTIVATION.
 - DATA OUTLET AND A SURGE RECEPTACLE FOR POWER (DEDICATED CIRCUIT) TO SMARTBOARD.

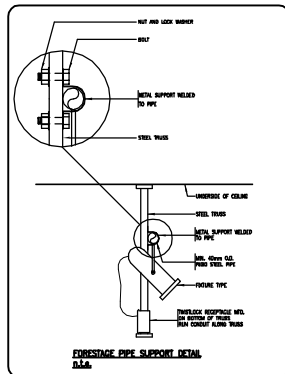
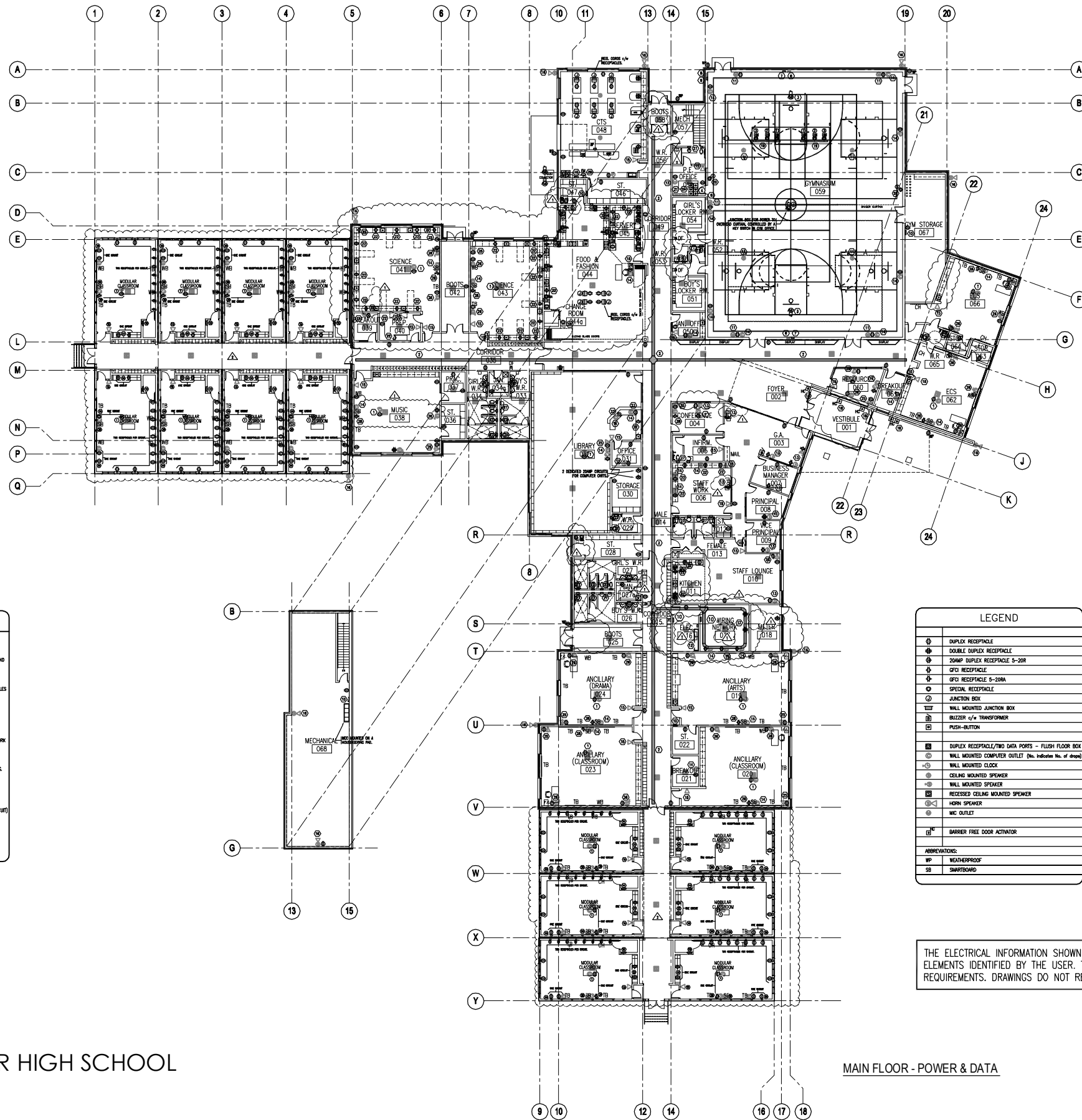
SECOND FLOOR - POWER & DATA

THE ELECTRICAL INFORMATION SHOWN REFLECTS THE NEEDS AND LOCATIONS OF DESIGN ELEMENTS IDENTIFIED BY THE USER. THIS INFORMATION IS SUPPLEMENTAL TO CODE REQUIREMENTS. DRAWINGS DO NOT REPRESENT ALL ELECTRICAL SYSTEM REQUIREMENTS.

E4B (REV-1)

THE HAMPTON'S ELEMENTARY & JUNIOR HIGH SCHOOL

SCHEDULE 18 (TECHNICAL REQUIREMENTS) APPENDIX B -ELECTRICAL POWER AND DATA PLAN



- KEY NOTES:**
- 1 OVERHEAD PROJECTOR DATA AND POWER CONNECTION, COORDINATE AND CONFIRM EXACT LOCATION OF PROJECTOR WITH GENERAL CONTRACTOR PRIOR TO ROUGH-IN. PROVIDE A DEDICATED CIRCUIT.
 - 2 LADDER TYPE CABLE TRAY ACCESSIBLE FROM CEILING SPACE.
 - 3 MOTORIZED BACKWARDS.
 - 4 CONTROLLERS: UP, DOWN AND STOP FOR MOTORIZED BACKWARDS.
 - 5 JUNCTION BOX FOR CONTROL OF SCOREBOARD AND SHOT CLOCK.
 - 6 JUNCTION BOX FOR CONTROL OF SHOT CLOCK MOUNTED AT 2400mm AFT.
 - 7 JUNCTION BOX FOR POWER TO SHOT CLOCK MOUNTED AT 2400mm AFT.
 - 8 JUNCTION BOX FOR CONTROL OF SCOREBOARD MOUNTED AT 3300mm AFT.
 - 9 JUNCTION BOX FOR POWER TO SCOREBOARD MOUNTED AT 3300mm AFT.
 - 10 BRANCH CIRCUIT PANEL.
 - 11 ROUTE 21C BACK TO O/W AMPLIFIER.
 - 12 MAIN DISTRIBUTION CENTER.
 - 13 PROVIDE A 21C FROM DATA (100X100X54mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
 - 14 PROVIDE A 21C FROM DATA (100X100X54mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
 - 15 PROVIDE A 21C FROM TELEPHONE OUTLET INTO ACCESSIBLE CEILING SPACE.

- KEY NOTES CONTINUED:**
- 16 ROUTE A 21C FROM HORN/SPEAKER INTO CABLE TRAY.
 - 17 MAIN TELEPHONE TERMINAL BOARD (2440X1220X20mm THICK FLYWOOD (BROOKHOLD) FINISHES WHITE GREY 1/4" x 1" BOARD TO CBS AND UTILITY CO. REQUIREMENTS).
 - 18 BARRIER FREE DOOR CONTROL.
 - 19 STAGE PIPE SUPPORT DETAIL 1/4" x THREE 20AMP TWISTLOCK RECEPTACLES PER BAR. SEE DETAIL ON THIS DRAWING.
 - 20 20AMP TWISTLOCK RECEPTACLES FOR PORTABLE SPOT LIGHTS.
 - 21 STAGE DIMMER CABINET.
 - 22 MOUNT 100mm ABOVE SPLASHBACK.
 - 23 MOUNT DEVICES WITH IN MILLWORK, COORDINATE ON SITE WITH MILLWORK SUPPLIER.
 - 24 O/W AMPLIFIER.
 - 25 TELEVISION OUTLET AND RECEPTACLE MOUNTED 305mm BELOW CEILING.
 - 26 PROVIDE A 21C FROM DATA (100X100X54mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
 - 27 WALL MOUNTED JUNCTION BOX FOR POWER TO INFRARED ACTIVATION.
 - 28 DATA OUTLET AND A SURGE RECEPTACLE FOR POWER (DEDICATED CIRCUIT) TO SMARTBOARD.
 - 29 EMERGENCY SHUT OFF STATION FOR SHOP EQUIPMENT.
 - 30 MOUNT RECEPTACLE 800mm BELOW CEILING.

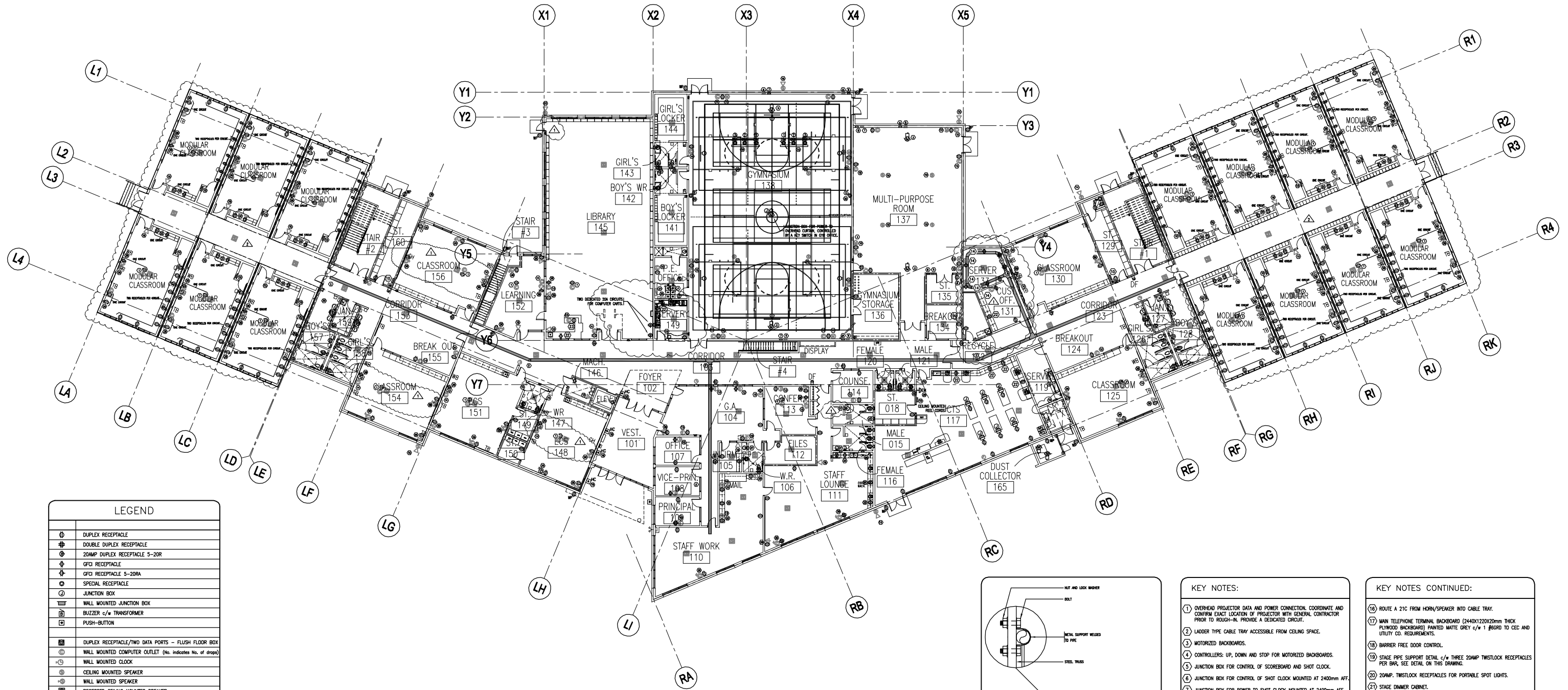
LEGEND	
	DUPLEX RECEPTACLE
	DOUBLE DUPLEX RECEPTACLE
	20AMP DUPLEX RECEPTACLE 5-20R
	GFCI RECEPTACLE
	GFCI RECEPTACLE 5-20RA
	SPECIAL RECEPTACLE
	JUNCTION BOX
	WALL MOUNTED JUNCTION BOX
	BUZZER w/ TRANSFORMER
	PUSH-BUTTON
	DUPLEX RECEPTACLE/TWO DATA PORTS - FLUSH FLOOR BOX
	WALL MOUNTED COMPUTER OUTLET (No. indicates No. of drops)
	WALL MOUNTED CLOCK
	CEILING MOUNTED SPEAKER
	WALL MOUNTED SPEAKER
	RECESSED CEILING MOUNTED SPEAKER
	HORN SPEAKER
	MIC OUTLET
	BARRIER FREE DOOR ACTIVATOR
ABBREVIATIONS:	
WP	WEATHERPROOF
SB	SMARTBOARD

THE ELECTRICAL INFORMATION SHOWN REFLECTS THE NEEDS AND LOCATIONS OF DESIGN ELEMENTS IDENTIFIED BY THE USER. THIS INFORMATION IS SUPPLEMENTAL TO CODE REQUIREMENTS. DRAWINGS DO NOT REPRESENT ALL ELECTRICAL SYSTEM REQUIREMENTS.

E5 (REV-2) GRIESBACH ELEMENTARY & JUNIOR HIGH SCHOOL

MAIN FLOOR - POWER & DATA

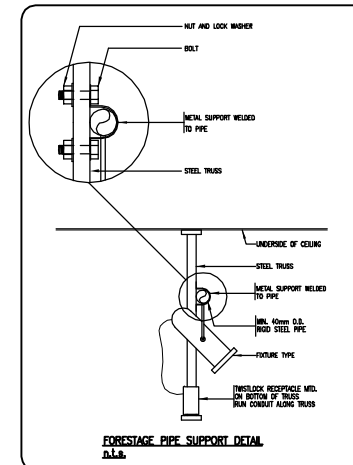
SCHEDULE 18 (TECHNICAL REQUIREMENTS) APPENDIX B - ELECTRICAL POWER AND DATA PLAN



LEGEND	
	DUPLEX RECEPTACLE
	DOUBLE DUPLEX RECEPTACLE
	20AMP DUPLEX RECEPTACLE 5-20R
	GFCI RECEPTACLE
	GFCI RECEPTACLE 5-20RA
	SPECIAL RECEPTACLE
	JUNCTION BOX
	WALL MOUNTED JUNCTION BOX
	BUZZER c/w TRANSFORMER
	PUSH-BUTTON
	DUPLEX RECEPTACLE/TWO DATA PORTS - FLUSH FLOOR BOX
	WALL MOUNTED COMPUTER OUTLET (No. indicates No. of drops)
	WALL MOUNTED CLOCK
	CEILING MOUNTED SPEAKER
	WALL MOUNTED SPEAKER
	RECESSED CEILING MOUNTED SPEAKER
	HORN SPEAKER
	MIC OUTLET
	BARRIER FREE DOOR ACTIVATOR
ABBREVIATIONS:	
WP	WEATHERPROOF
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MAIN FLOOR - POWER & DATA

THE ELECTRICAL INFORMATION SHOWN REFLECTS THE NEEDS AND LOCATIONS OF DESIGN ELEMENTS IDENTIFIED BY THE USER. THIS INFORMATION IS SUPPLEMENTAL TO CODE REQUIREMENTS. DRAWINGS DO NOT REPRESENT ALL ELECTRICAL SYSTEM REQUIREMENTS.



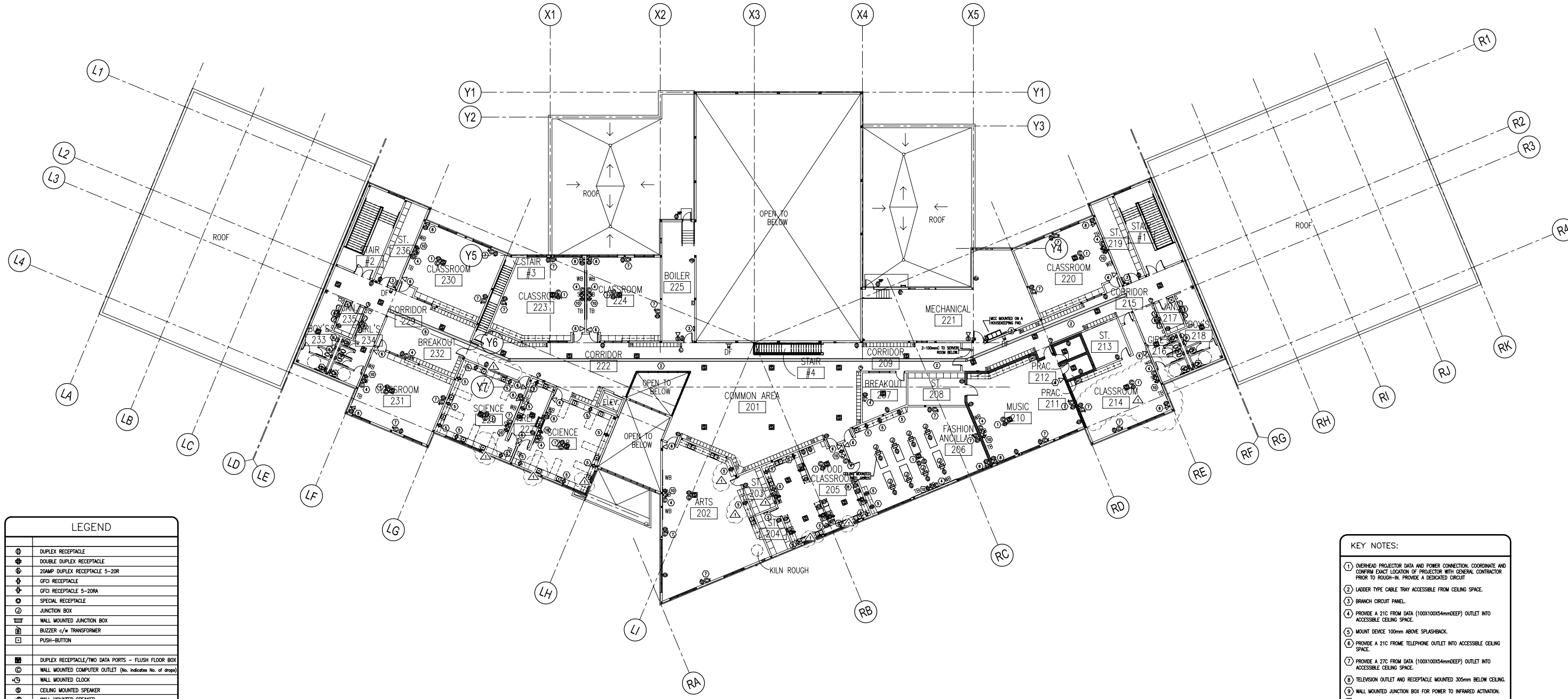
- KEY NOTES:
- OVERHEAD PROJECTOR DATA AND POWER CONNECTION. COORDINATE AND CONFIRM EXACT LOCATION OF PROJECTOR WITH GENERAL CONTRACTOR PRIOR TO ROUGH-IN. PROVIDE A DEDICATED CIRCUIT.
 - LADDER TYPE CABLE TRAY ACCESSIBLE FROM CEILING SPACE.
 - MOTORIZED BACKBOARDS.
 - CONTROLLERS: UP, DOWN AND STOP FOR MOTORIZED BACKBOARDS.
 - JUNCTION BOX FOR CONTROL OF SCOREBOARD AND SHOT CLOCK.
 - 20AMP. TWISTLOCK RECEPTABLES FOR PORTABLE SPOT LIGHTS.
 - JUNCTION BOX FOR POWER TO SHOT CLOCK MOUNTED AT 2400mm AFF.
 - JUNCTION BOX FOR CONTROL OF SCOREBOARD MOUNTED AT 3300mm AFF.
 - JUNCTION BOX FOR POWER TO SCOREBOARD MOUNTED AT 3300mm AFF.
 - BRANCH CIRCUIT PANEL.
 - ROUTE 21C BACK TO GYM AMPLIFIER.
 - MAIN DISTRIBUTION CENTER.
 - PROVIDE A 21C FROM DATA/VOICE (100X100X54mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
 - PROVIDE A 21C FROM DATA (100X100X54mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
 - PROVIDE A 21C FROM TELEPHONE OUTLET INTO ACCESSIBLE CEILING SPACE.

- KEY NOTES CONTINUED:
- ROUTE A 21C FROM HORN/SPEAKER INTO CABLE TRAY.
 - MAIN TELEPHONE TERMINAL BACKBOARD (2440X1220X20mm THICK FINISHED BACKSIDE) PAINTED WHITE GREY c/w 1 #6RD TO CEC AND UTILITY CO. REQUIREMENTS.
 - BARRIER FREE DOOR CONTROL.
 - STAGE PIPE SUPPORT DETAIL c/w THREE 20AMP TWISTLOCK RECEPTABLES PER BNL, SEE DETAIL ON THIS DRAWING.
 - 20AMP. TWISTLOCK RECEPTABLES FOR PORTABLE SPOT LIGHTS.
 - STAGE DIMMER CABINET.
 - MOUNT DEVICE 100mm ABOVE SPLASHBACK.
 - MOUNT DEVICES WITH IN MILLWORK. COORDINATE ON SITE WITH MILLWORK SUPPLIER.
 - GYM AMPLIFIER.
 - TELEVISION OUTLET AND RECEPTACLE MOUNTED 305mm BELOW CEILING.
 - PROVIDE A 21C FROM DATA (100X100X54mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
 - WALL MOUNTED JUNCTION BOX FOR POWER TO INFRARED ACTIVATION.
 - DATA OUTLET AND A SURGE RECEPTACLE FOR POWER (DEDICATED CIRCUIT) TO SMARTBOARD.
 - EMERGENCY SHUT OFF STATION FOR SHOP EQUIPMENT.
 - MOUNT RECEPTACLE 600mm BELOW CEILING.

E6A (REV-2)

ELLERSLIE ELEMENTARY & JUNIOR HIGH SCHOOL

SCHEDULE 18 (TECHNICAL REQUIREMENTS) APPENDIX B - ELECTRICAL POWER AND DATA PLAN



LEGEND	
	DUPLEX RECEPTACLE
	DOUBLE DUPLEX RECEPTACLE
	20AMP DUPLEX RECEPTACLE 5-20R
	GFCI RECEPTACLE
	GFCI RECEPTACLE 5-20RA
	SPECIAL RECEPTACLE
	JUNCTION BOX
	WALL MOUNTED JUNCTION BOX
	BLUZZER c/w TRANSFORMER
	PUSH-BUTTON
	DUPLEX RECEPTACLE/TWO DATA PORTS - FLUSH FLOOR BOX
	WALL MOUNTED COMPUTER OUTLET (No. indicates No. of drops)
	WALL MOUNTED CLOCK
	CEILING MOUNTED SPEAKER
	WALL MOUNTED SPEAKER
	RECESSED CEILING MOUNTED SPEAKER
	HORN SPEAKER
	MIC OUTLET
	BARRIER FREE DOOR ACTUATOR
ABBREVIATIONS:	
WP	WEATHERPROOF
SB	SMARTBOARD

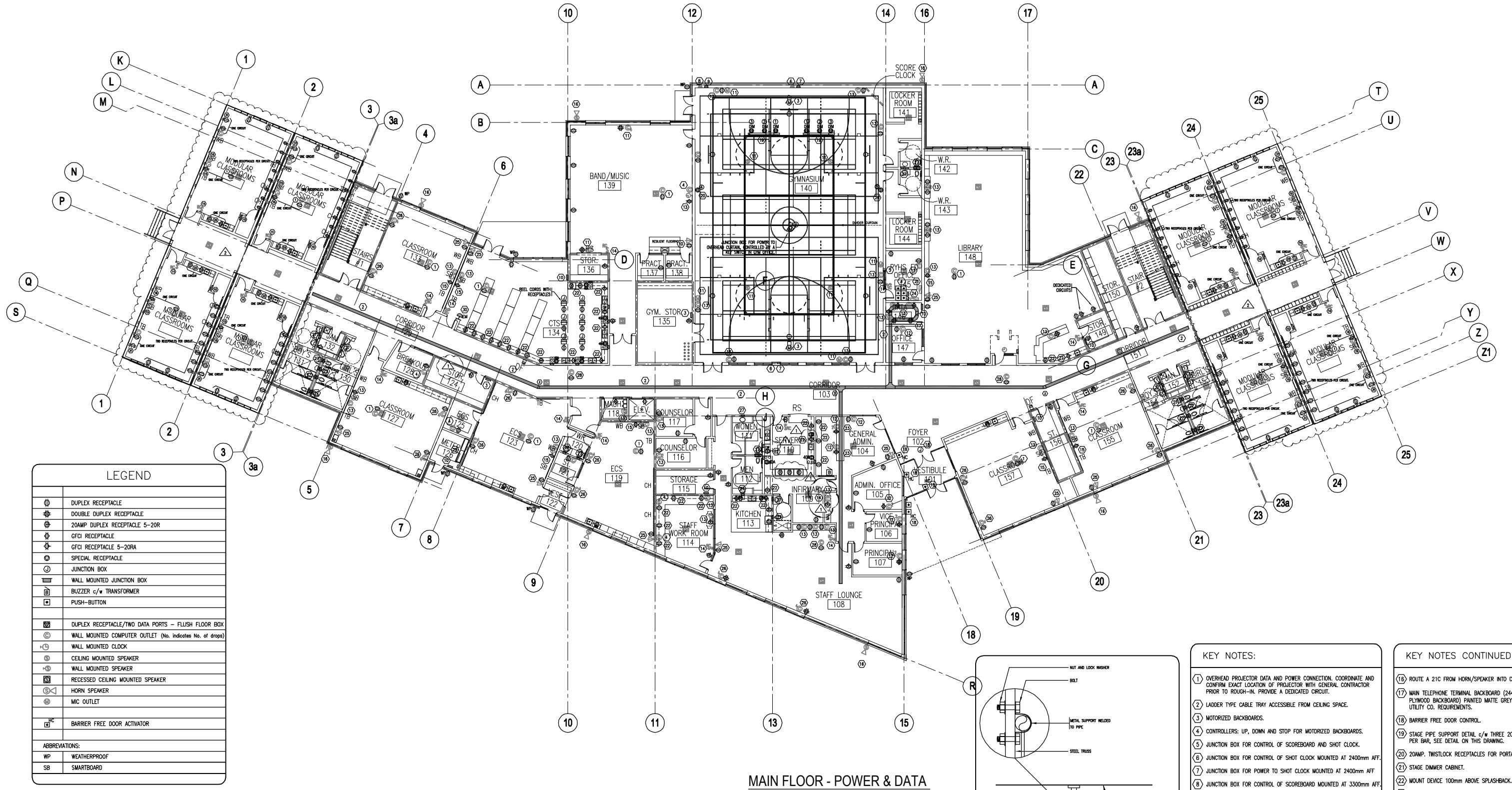
KEY NOTES:	
1	OVERHEAD PROJECTOR DATA AND POWER CONNECTION COORDINATE AND CONFIRM EXACT LOCATION OF PROJECTOR WITH GENERAL CONTRACTOR PRIOR TO ROUGH-IN. PROVIDE A DEDICATED CIRCUIT.
2	LADDER TYPE CABLE TRAY ACCESSIBLE FROM CEILING SPACE.
3	BRANCH CIRCUIT PANEL.
4	PROVIDE A 21C FROM DATA (100X100X54mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
5	MOUNT DEVICE 100mm ABOVE SPLASHBACK.
6	PROVIDE A 21C FROM TELEPHONE OUTLET INTO ACCESSIBLE CEILING SPACE.
7	PROVIDE A 27C FROM DATA (100X100X54mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
8	TELEVISION OUTLET AND RECEPTACLE MOUNTED 305mm BELOW CEILING.
9	WALL MOUNTED JUNCTION BOX FOR POWER TO INFRARED ACTIVATION.
10	DATA OUTLET AND A SURGE RECEPTACLE FOR POWER (DEDICATED CIRCUIT) TO SMARTBOARD.

SECOND FLOOR - POWER & DATA

THE ELECTRICAL INFORMATION SHOWN REFLECTS THE NEEDS AND LOCATIONS OF DESIGN ELEMENTS IDENTIFIED BY THE USER. THIS INFORMATION IS SUPPLEMENTAL TO CODE REQUIREMENTS. DRAWINGS DO NOT REPRESENT ALL ELECTRICAL SYSTEM REQUIREMENTS.

E6B (REV-1)
ELLERSLIE ELEMENTARY & JUNIOR HIGH SCHOOL

SCHEDULE 18 (TECHNICAL REQUIREMENTS) APPENDIX B - ELECTRICAL POWER AND DATA PLAN



LEGEND	
	DUPLEX RECEPTACLE
	DOUBLE DUPLEX RECEPTACLE
	20AMP DUPLEX RECEPTACLE 5-20R
	GFCI RECEPTACLE
	GFCI RECEPTACLE 5-20RA
	SPECIAL RECEPTACLE
	JUNCTION BOX
	WALL MOUNTED JUNCTION BOX
	BUZZER c/w TRANSFORMER
	PUSH-BUTTON
	DUPLEX RECEPTACLE/TWO DATA PORTS - FLUSH FLOOR BOX
	WALL MOUNTED COMPUTER OUTLET (No. indicates No. of drops)
	WALL MOUNTED CLOCK
	CEILING MOUNTED SPEAKER
	WALL MOUNTED SPEAKER
	RECESSED CEILING MOUNTED SPEAKER
	HORN SPEAKER
	MIC OUTLET
	BARRIER FREE DOOR ACTIVATOR
ABBREVIATIONS:	
WP	WEATHERPROOF
SB	SMARTBOARD

THE ELECTRICAL INFORMATION SHOWN REFLECTS THE NEEDS AND LOCATIONS OF DESIGN ELEMENTS IDENTIFIED BY THE USER. THIS INFORMATION IS SUPPLEMENTAL TO CODE REQUIREMENTS. DRAWINGS DO NOT REPRESENT ALL ELECTRICAL SYSTEM REQUIREMENTS.

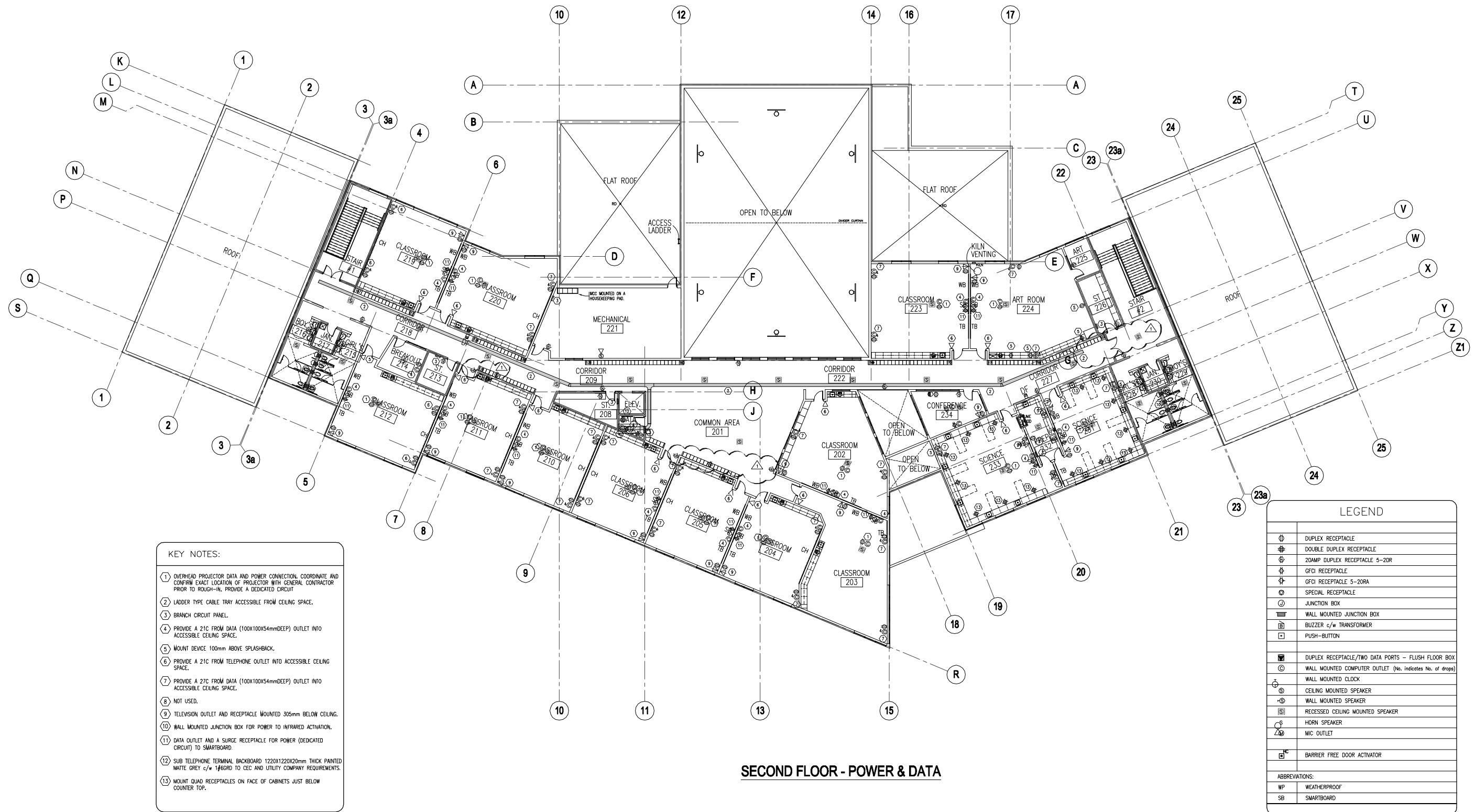
- KEY NOTES:**
- OVERHEAD PROJECTOR DATA AND POWER CONNECTION. COORDINATE AND CONFIRM EXACT LOCATION OF PROJECTOR WITH GENERAL CONTRACTOR PRIOR TO ROUGH-IN. PROVIDE A DEDICATED CIRCUIT.
 - LADDER TYPE CABLE TRAY ACCESSIBLE FROM CEILING SPACE.
 - MOTORIZED BACKBOARDS.
 - CONTROLLERS: UP, DOWN AND STOP FOR MOTORIZED BACKBOARDS.
 - JUNCTION BOX FOR CONTROL OF SCOREBOARD AND SHOT CLOCK.
 - JUNCTION BOX FOR CONTROL OF SHOT CLOCK MOUNTED AT 2400mm AFF.
 - JUNCTION BOX FOR POWER TO SHOT CLOCK MOUNTED AT 2400mm AFF.
 - JUNCTION BOX FOR CONTROL OF SCOREBOARD MOUNTED AT 3300mm AFF.
 - JUNCTION BOX FOR POWER TO SCOREBOARD MOUNTED AT 3300mm AFF.
 - BRANCH CIRCUIT PANEL.
 - ROUTE 21C BACK TO GYM AMPLIFIER.
 - PROVIDE A 21C FROM DATA (100X100X54mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
 - PROVIDE A 21C FROM DATA (100X100X54mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
 - PROVIDE A 21C FROM RECALL SWITCH INTO ACCESSIBLE CEILING SPACE.
 - DATA OUTLET AND A SURGE RECEPTACLE FOR POWER (DEDICATED CIRCUIT) TO SMART BOARD.

- KEY NOTES CONTINUED:**
- ROUTE A 21C FROM HORN/SPEAKER INTO CABLE TRAY.
 - MAIN TELEPHONE TERMINAL BACKBOARD (2440X1220X20mm THICK PLYWOOD BACKBOARD) PAINTED WHITE GREY c/w 1 #6GRD TO CEC AND UTILITY CO. REQUIREMENTS.
 - BARRIER FREE DOOR CONTROL.
 - STAGE PIPE SUPPORT DETAIL c/w THREE 20AMP TWINSTOCK RECEPTACLES PER BAR, SEE DETAIL ON THIS DRAWING.
 - 20AMP. TWINSTOCK RECEPTACLES FOR PORTABLE SPOT LIGHTS.
 - STAGE DIMMER CABINET.
 - MOUNT DEVICE 100mm ABOVE SPLASHBACK.
 - MOUNT DEVICES WITH IN MILLWORK, COORDINATE ON SITE WITH MILLWORK SUPPLIER.
 - GYM AMPLIFIER.
 - TELEVISION OUTLET AND RECEPTACLE MOUNTED 305mm BELOW CEILING.
 - PROVIDE A 27C FROM DATA (100X100X54mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
 - WALL MOUNTED JUNCTION BOX FOR POWER TO INFRARED ACTIVATION.
 - WIRELESS ACCESS POINTS MOUNTED ABOVE ACCESSIBLE CEILING, FINAL LOCATION TO BE CONFIRMED WITH "IT" PERSONNEL.
 - MAIN DISTRIBUTION CENTRE.
 - EMERGENCY SHUT OFF EQUIPMENT.
 - MOUNT RECEPTACLE 600mm BELOW CEILING.

E7A (REV-2)

WESTMOUNT ELEMENTARY & JUNIOR HIGH SCHOOL

SCHEDULE 18 (TECHNICAL REQUIREMENTS) APPENDIX B - ELECTRICAL POWER AND DATA PLAN



- KEY NOTES:**
- 1 OVERHEAD PROJECTOR DATA AND POWER CONNECTION, COORDINATE AND CONFIRM EXACT LOCATION OF PROJECTOR WITH GENERAL CONTRACTOR PRIOR TO ROUGH-IN. PROVIDE A DEDICATED CIRCUIT
 - 2 LADDER TYPE CABLE TRAY ACCESSIBLE FROM CEILING SPACE.
 - 3 BRANCH CIRCUIT PANEL.
 - 4 PROVIDE A 21C FROM DATA (100X100X54mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
 - 5 MOUNT DEVICE 100mm ABOVE SPLASHBACK.
 - 6 PROVIDE A 21C FROM TELEPHONE OUTLET INTO ACCESSIBLE CEILING SPACE.
 - 7 PROVIDE A 27C FROM DATA (100X100X54mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
 - 8 NOT USED.
 - 9 TELEVISION OUTLET AND RECEPTACLE MOUNTED 305mm BELOW CEILING.
 - 10 WALL MOUNTED JUNCTION BOX FOR POWER TO INFRARED ACTIVATION.
 - 11 DATA OUTLET AND A SURGE RECEPTACLE FOR POWER (DEDICATED CIRCUIT) TO SMARTBOARD.
 - 12 SUB TELEPHONE TERMINAL BACKBOARD 1220X1220X20mm THICK PAINTED MATTE GREY c/w 1#6GRD TO CEC AND UTILITY COMPANY REQUIREMENTS.
 - 13 MOUNT QUAD RECEPTACLES ON FACE OF CABINETS JUST BELOW COUNTER TOP.

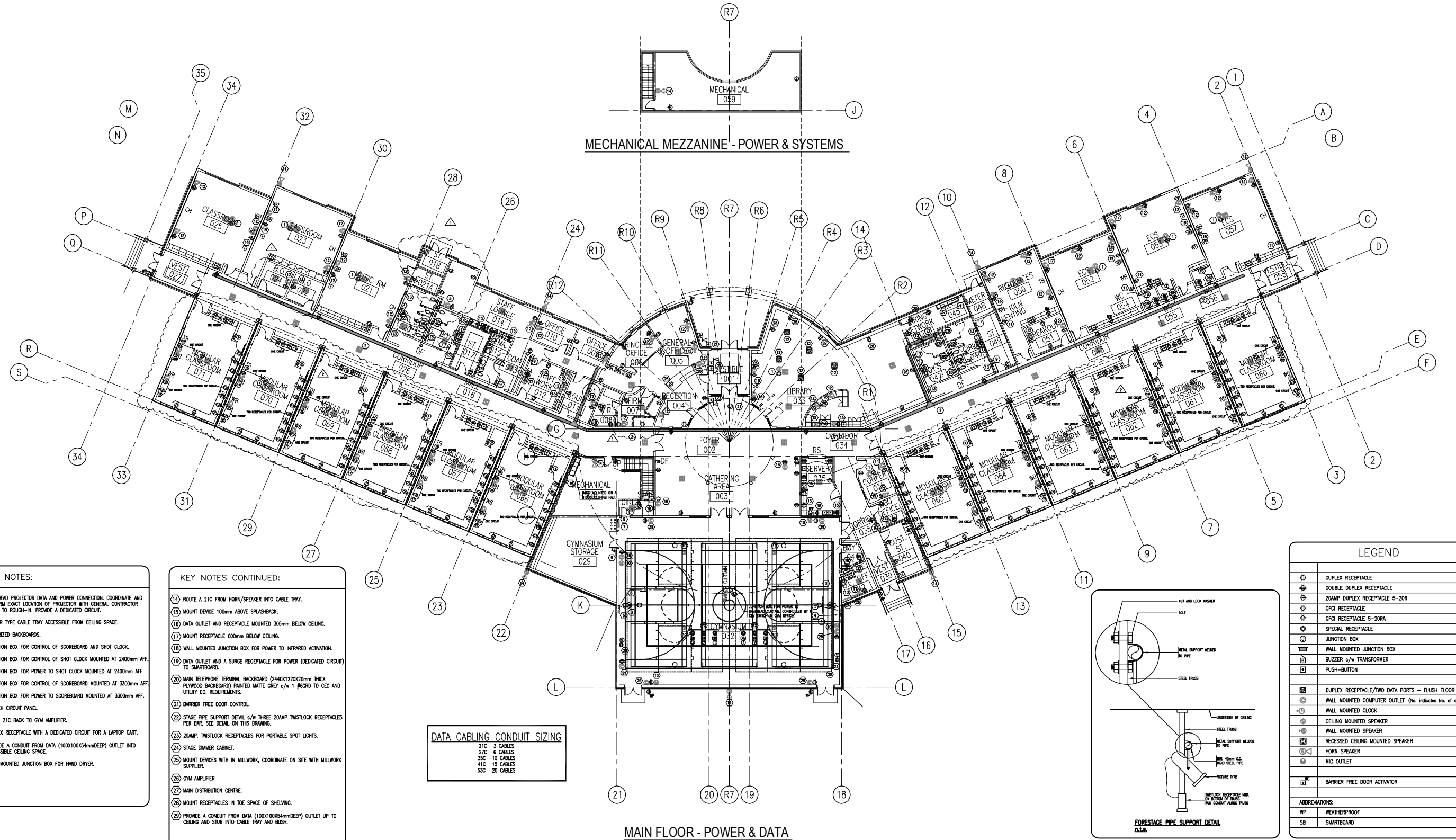
LEGEND	
	DUPLEX RECEPTACLE
	DOUBLE DUPLEX RECEPTACLE
	20AMP DUPLEX RECEPTACLE 5-20R
	GFCI RECEPTACLE
	GFCI RECEPTACLE 5-20RA
	SPECIAL RECEPTACLE
	JUNCTION BOX
	WALL MOUNTED JUNCTION BOX
	BUZZER c/w TRANSFORMER
	PUSH-BUTTON
	DUPLEX RECEPTACLE/TWO DATA PORTS - FLUSH FLOOR BOX
	WALL MOUNTED COMPUTER OUTLET (No. indicates No. of drops)
	WALL MOUNTED CLOCK
	CEILING MOUNTED SPEAKER
	WALL MOUNTED SPEAKER
	RECESSED CEILING MOUNTED SPEAKER
	HORN SPEAKER
	MIC OUTLET
	BARRIER FREE DOOR ACTIVATOR
ABBREVIATIONS:	
WP	WEATHERPROOF
SB	SMARTBOARD

SECOND FLOOR - POWER & DATA

THE ELECTRICAL INFORMATION SHOWN REFLECTS THE NEEDS AND LOCATIONS OF DESIGN ELEMENTS IDENTIFIED BY THE USER. THIS INFORMATION IS SUPPLEMENTAL TO CODE REQUIREMENTS. DRAWINGS DO NOT REPRESENT ALL ELECTRICAL SYSTEM REQUIREMENTS.

E7B (REV-1)
WESTMOUNT ELEMENTARY & JUNIOR HIGH SCHOOL

SCHEDULE 18 (TECHNICAL REQUIREMENTS) APPENDIX B -ELECTRICAL POWER AND DATA PLAN



- KEY NOTES:**
- OVERHEAD PROJECTOR DATA AND POWER CONNECTION. COORDINATE AND CONFIRM EXACT LOCATION OF PROJECTOR WITH GENERAL CONTRACTOR PRIOR TO ROUGH-IN. PROVIDE A DEDICATED CIRCUIT.
 - LADDER TYPE CABLE TRAY ACCESSIBLE FROM CEILING SPACE.
 - MOTORIZED BACKBOARDS.
 - JUNCTION BOX FOR CONTROL OF SCOREBOARD AND SHOT CLOCK.
 - JUNCTION BOX FOR CONTROL OF SHOT CLOCK MOUNTED AT 2400mm AFF.
 - JUNCTION BOX FOR POWER TO SHOT CLOCK MOUNTED AT 2400mm AFF.
 - JUNCTION BOX FOR CONTROL OF SCOREBOARD MOUNTED AT 3300mm AFF.
 - JUNCTION BOX FOR POWER TO SCOREBOARD MOUNTED AT 3300mm AFF.
 - BRANCH CIRCUIT PANEL.
 - ROUTE 21C BACK TO GYM AMPLIFIER.
 - DUPLEX RECEPTACLE WITH A DEDICATED CIRCUIT FOR A LAPTOP CART.
 - PROVIDE A CONDUIT FROM DATA (100X100X54mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
 - WALL MOUNTED JUNCTION BOX FOR HAND DRYER.

- KEY NOTES CONTINUED:**
- ROUTE A 21C FROM HORN/SPEAKER INTO CABLE TRAY.
 - MOUNT DEVICE 100mm ABOVE SPLASHBACK.
 - DATA OUTLET AND RECEPTACLE MOUNTED 305mm BELOW CEILING.
 - MOUNT RECEPTACLE 600mm BELOW CEILING.
 - WALL MOUNTED JUNCTION BOX FOR POWER TO INFRARED ACTIVATION.
 - DATA OUTLET AND A SURGE RECEPTACLE FOR POWER (DEDICATED CIRCUIT) TO SMARTBOARD.
 - MAIN TELEPHONE TERMINAL BACKBOARD (240X1220X20mm THICK PLYWOOD BACKBOARD) PAINTED MATTE GREY c/w 1 #6GRD TO CEC AND UTILITY CO. REQUIREMENTS.
 - BARRIER FREE DOOR CONTROL.
 - STAGE PIPE SUPPORT DETAIL c/w THREE 20AMP TWISTLOCK RECEPTACLES PER BAR, SEE DETAIL ON THIS DRAWING.
 - 20AMP, TWISTLOCK RECEPTACLES FOR PORTABLE SPOT LIGHTS.
 - STAGE DIMMER CABINET.
 - MOUNT DEVICES WITH IN MILLWORK, COORDINATE ON SITE WITH MILLWORK SUPPLIER.
 - GYM AMPLIFIER.
 - MAIN DISTRIBUTION CENTRE.
 - MOUNT RECEPTACLES IN TOE SPACE OF SHELVING.
 - PROVIDE A CONDUIT FROM DATA (100X100X54mmDEEP) OUTLET UP TO CEILING AND STUB INTO CABLE TRAY AND BUSH.

DATA CABLING CONDUIT SIZING

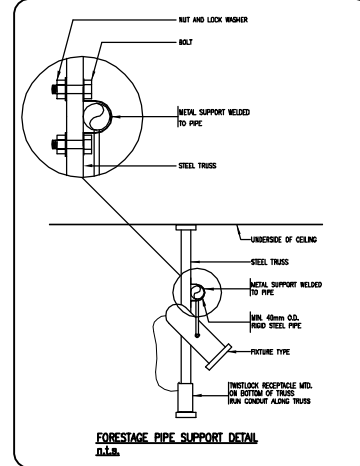
21C	3 CABLES
27C	6 CABLES
35C	10 CABLES
41C	15 CABLES
53C	20 CABLES

LEGEND

	DUPLEX RECEPTACLE
	DOUBLE DUPLEX RECEPTACLE
	20AMP DUPLEX RECEPTACLE 5-20R
	GFCI RECEPTACLE
	GFCI RECEPTACLE 5-20RA
	SPECIAL RECEPTACLE
	JUNCTION BOX
	WALL MOUNTED JUNCTION BOX
	BUZZER c/w TRANSFORMER
	PUSH-BUTTON
	DUPLEX RECEPTACLE/TWO DATA PORTS - FLUSH FLOOR BOX
	WALL MOUNTED COMPUTER OUTLET (No. indicates No. of drops)
	WALL MOUNTED CLOCK
	CEILING MOUNTED SPEAKER
	WALL MOUNTED SPEAKER
	RECESSED CEILING MOUNTED SPEAKER
	HORN SPEAKER
	MIC OUTLET
	BARRIER FREE DOOR ACTIVATOR

ABBREVIATIONS:

WP	WEATHERPROOF
SB	SMARTBOARD

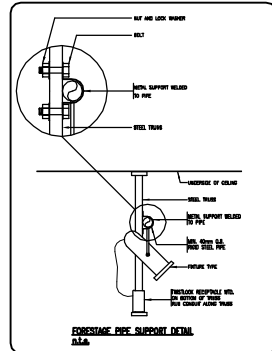


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E8 (REV-2)
LANGDON ELEMENTARY SCHOOL

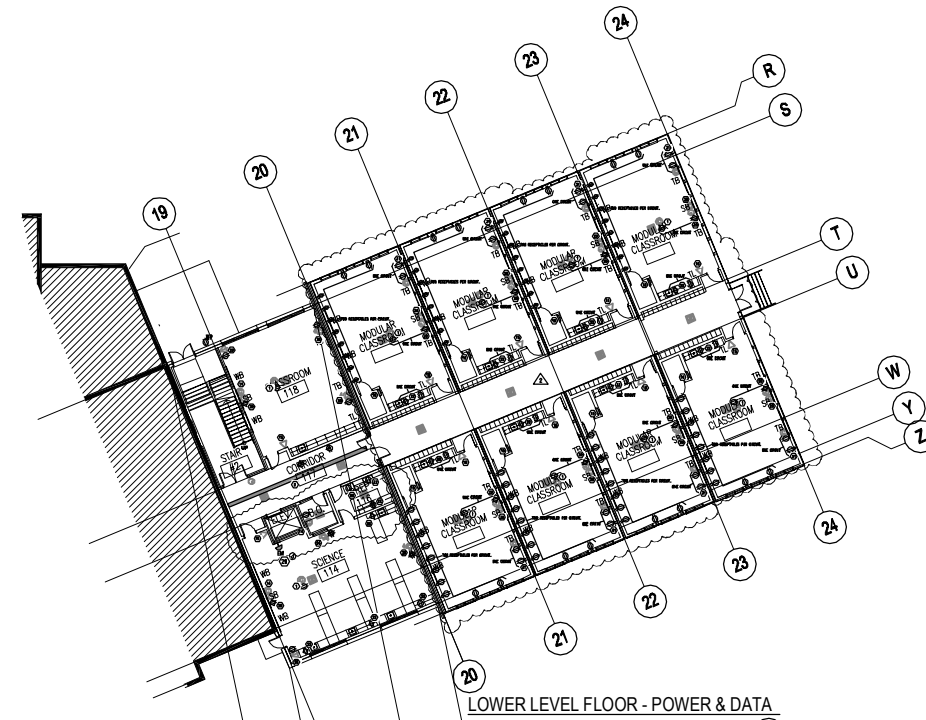
SCHEDULE 18 (TECHNICAL REQUIREMENTS) APPENDIX B - ELECTRICAL POWER AND DATA PLAN

LEGEND	
	DUPLEX RECEPTACLE
	DOUBLE DUPLEX RECEPTACLE
	20AMP DUPLEX RECEPTACLE 5-20R
	DATA RECEPTACLE
	SPECIAL RECEPTACLE 5-20RA
	JUNCTION BOX
	WALL MOUNTED JUNCTION BOX
	BLUZZER w/ TRANSFORMER
	PUSH-BUTTON
	DUPLEX RECEPTACLE/TWO DATA PORTS - FLUSH FLOOR BOX
	WALL MOUNTED COMPUTER OUTLET (No. indicates No. of drops)
	WALL MOUNTED CLOCK
	CEILING MOUNTED SPEAKER
	WALL MOUNTED SPEAKER
	RECESSED CEILING MOUNTED SPEAKER
	HORN SPEAKER
	MC OUTLET
	BARRIER FREE DOOR ACTUATOR
ABBREVIATIONS:	
WP	WEATHERPROOF
SB	SMARTBOARD

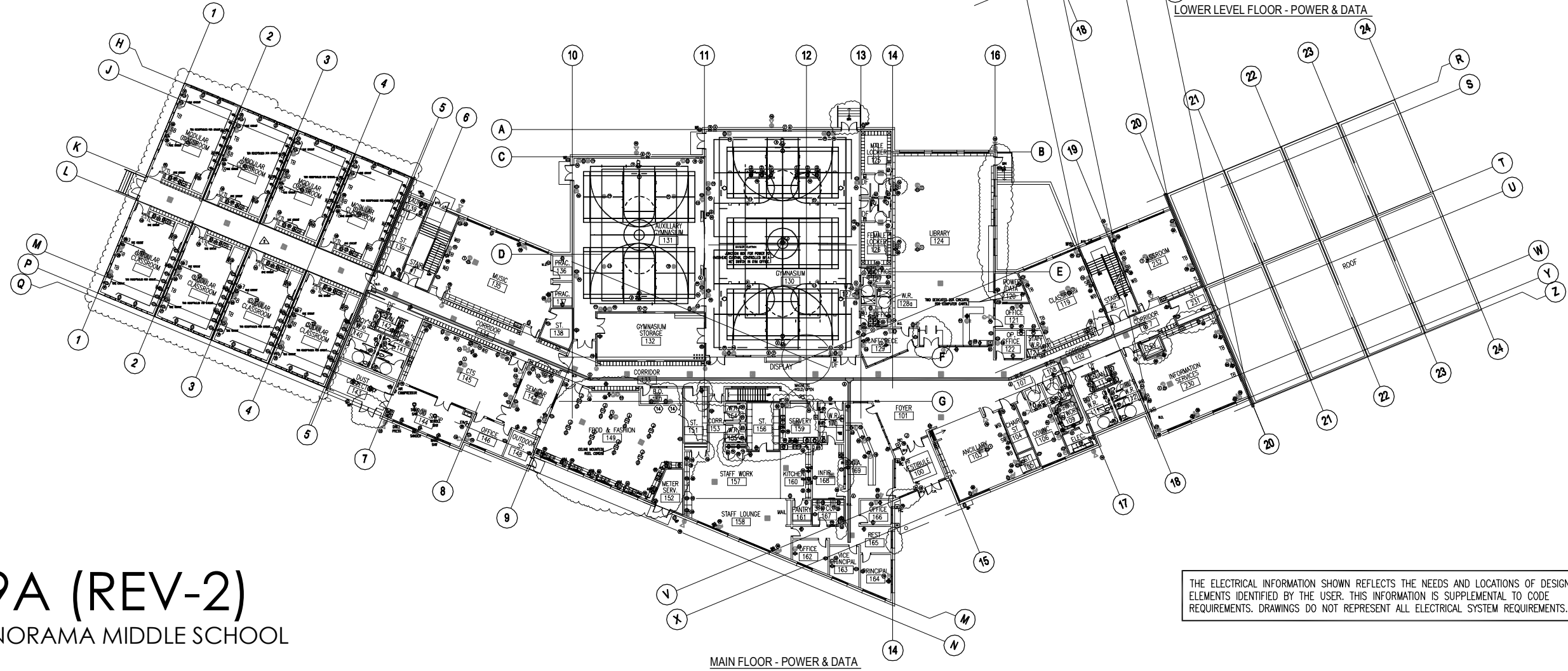


- KEY NOTES:**
- 1) OVERSEER PROVIDE DATA AND POWER CONNECTION, COORDINATE AND CONFIRM EXACT LOCATION OF PROJECTION WITH GENERAL CONTRACTOR PRIOR TO ROUGH-IN. PROVIDE A DEDICATED CIRCUIT.
 - 2) LADDER TYPE CABLE TRAY ACCESSIBLE FROM CEILING SPACE.
 - 3) MOTORIZED SHOWBOARDS.
 - 4) CONTROLLERS: UP, DOWN AND STOP FOR MOTORIZED SHOWBOARDS.
 - 5) JUNCTION BOX FOR CONTROL OF SCOREBOARD AND SHOT CLOCK.
 - 6) JUNCTION BOX FOR CONTROL OF SHOT CLOCK MOUNTED AT 2400mm AFF.
 - 7) JUNCTION BOX FOR POWER TO SHOT CLOCK MOUNTED AT 2400mm AFF.
 - 8) JUNCTION BOX FOR CONTROL OF SCOREBOARD MOUNTED AT 3300mm AFF.
 - 9) JUNCTION BOX FOR POWER TO SCOREBOARD MOUNTED AT 3300mm AFF.
 - 10) BRANCH CIRCUIT PANEL.
 - 11) ROUTE 21C BACK TO CDM AMPLIFIER.
 - 12) MAIN DISTRIBUTION CENTER.
 - 13) PROVIDE A 21C FROM DATA (100X100X4mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
 - 14) PROVIDE A 21C FROM DATA (100X100X4mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
 - 15) PROVIDE A 21C FROM TELEPHONE OUTLET INTO ACCESSIBLE CEILING SPACE.

- KEY NOTES CONTINUED:**
- 16) ROUTE A 21C FROM HORN/SPEAKER INTO CABLE TRAY.
 - 17) MAIN TELEPHONE TERMINAL BACKBOARD (240X1220X20mm THICK, PLATED WHITE GRY 1/2" BOARD TO DEC AND VERIFY CO. REQUIREMENTS.
 - 18) BARRIER FREE DOOR CONTROL.
 - 19) SPACE PIPE SUPPORT DETAIL 1/2" THREE 20AMP THRELOCK RECEPTABLES PER BRG, SEE DETAIL ON THIS DRAWING.
 - 20) 20AMP THRELOCK RECEPTABLES FOR PORTABLE SPOT LIGHTS.
 - 21) SPACE DIMMER CABINET.
 - 22) MOUNT DEVICE 100mm ABOVE SPREADBACK.
 - 23) MOUNT DEVICES WITH IN MILLWORK, COORDINATE ON SITE WITH MILLWORK SUPPLIER.
 - 24) TVM AMPLIFIER.
 - 25) TELEVISION OUTLET AND RECEPTACLE MOUNTED 350mm BELOW CEILING.
 - 26) PROVIDE A 21C FROM DATA (100X100X4mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
 - 27) WALL MOUNTED JUNCTION BOX FOR POWER TO REFRIGERATION OUTLET AND A SURGE RECEPTACLE FOR POWER (DEDICATED CIRCUIT) TO SMARTBOARD.
 - 28) EMERGENCY GAS SHUT OFF CONTROL.
 - 29) EMERGENCY SHUT OFF STATION FOR SHOP EQUIPMENT.
 - 30) MOUNT RECEPTACLE 600mm BELOW CEILING.



LOWER LEVEL FLOOR - POWER & DATA

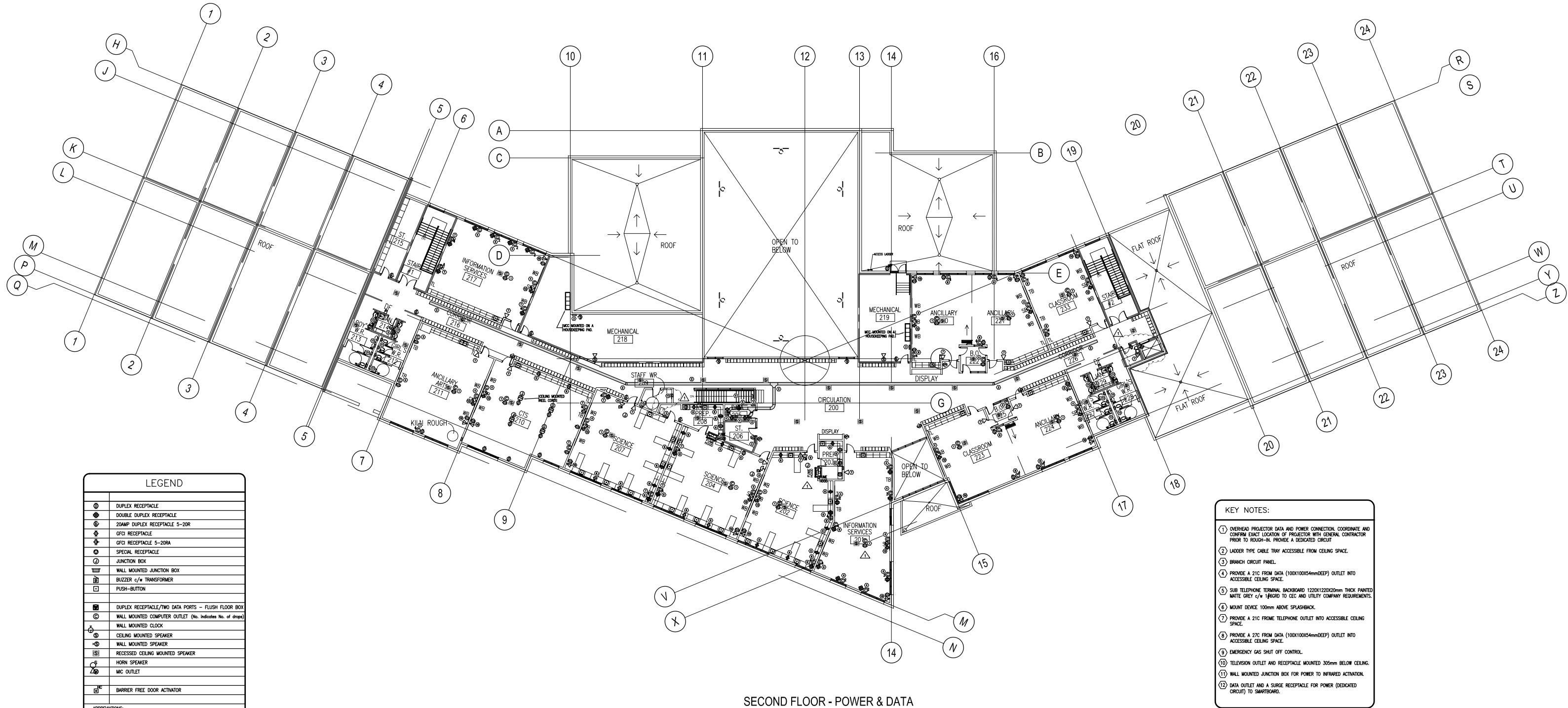


MAIN FLOOR - POWER & DATA

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E9A (REV-2)
PANORAMA MIDDLE SCHOOL

SCHEDULE 18 (TECHNICAL REQUIREMENTS) APPENDIX B - ELECTRICAL POWER AND DATA PLAN



LEGEND	
⊕	DUPLEX RECEPTACLE
⊕⊕	DOUBLE DUPLEX RECEPTACLE
⊕⊕	20AMP DUPLEX RECEPTACLE 5-20R
⊕	GFCI RECEPTACLE
⊕	GFCI RECEPTACLE 5-20RA
⊕	SPECIAL RECEPTACLE
⊕	JUNCTION BOX
⊕	WALL MOUNTED JUNCTION BOX
⊕	BUZZER c/w TRANSFORMER
⊕	PUSH-BUTTON
⊕	DUPLEX RECEPTACLE/TWO DATA PORTS - FLUSH FLOOR BOX
⊕	WALL MOUNTED COMPUTER OUTLET (No. indicates No. of drops)
⊕	WALL MOUNTED CLOCK
⊕	CEILING MOUNTED SPEAKER
⊕	WALL MOUNTED SPEAKER
⊕	RECESSED CEILING MOUNTED SPEAKER
⊕	HORN SPEAKER
⊕	MIC OUTLET
⊕	BARRIER FREE DOOR ACTIVATOR
ABBREVIATIONS:	
WP	WEATHERPROOF
SB	SMARTBOARD

KEY NOTES:	
1	OVERHEAD PROJECTOR DATA AND POWER CONNECTION. COORDINATE AND CONFIRM EXACT LOCATION OF PROJECTOR WITH GENERAL CONTRACTOR PRIOR TO ROUGH-IN. PROVIDE A DEDICATED CIRCUIT.
2	LADDER TYPE CABLE TRAY ACCESSIBLE FROM CEILING SPACE.
3	BRANCH CIRCUIT PANEL.
4	PROVIDE A 21C FROM DATA (100X100X54mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
5	SUB TELEPHONE TERMINAL BACKBOARD 1220X1220X20mm THICK PAINTED MATTE GREY c/w 1#6GRD TO CEC AND UTILITY COMPANY REQUIREMENTS.
6	MOUNT DEVICE 100mm ABOVE SPLASHBACK.
7	PROVIDE A 21C FROM TELEPHONE OUTLET INTO ACCESSIBLE CEILING SPACE.
8	PROVIDE A 27C FROM DATA (100X100X54mmDEEP) OUTLET INTO ACCESSIBLE CEILING SPACE.
9	EMERGENCY GAS SHUT OFF CONTROL.
10	TELEVISION OUTLET AND RECEPTACLE MOUNTED 305mm BELOW CEILING.
11	WALL MOUNTED JUNCTION BOX FOR POWER TO INFRARED ACTIVATION.
12	DATA OUTLET AND A SURGE RECEPTACLE FOR POWER (DEDICATED CIRCUIT) TO SMARTBOARD.

SECOND FLOOR - POWER & DATA

THE ELECTRICAL INFORMATION SHOWN REFLECTS THE NEEDS AND LOCATIONS OF DESIGN ELEMENTS IDENTIFIED BY THE USER. THIS INFORMATION IS SUPPLEMENTAL TO CODE REQUIREMENTS. DRAWINGS DO NOT REPRESENT ALL ELECTRICAL SYSTEM REQUIREMENTS.

E9B (REV-1) PANORAMA MIDDLE SCHOOL