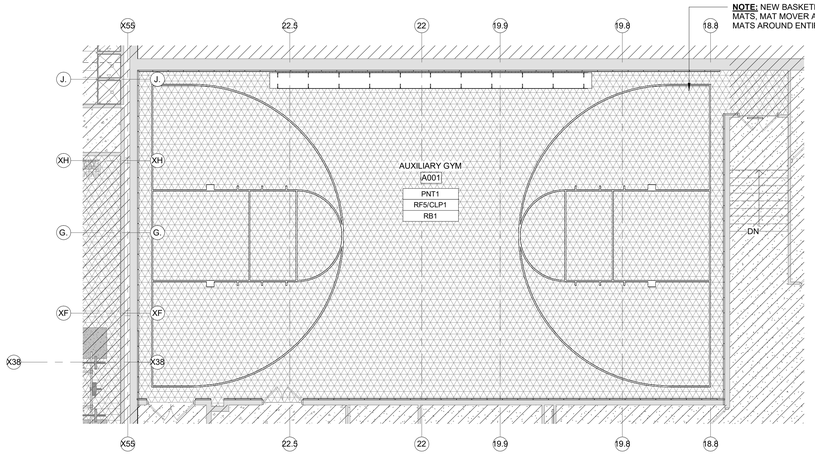
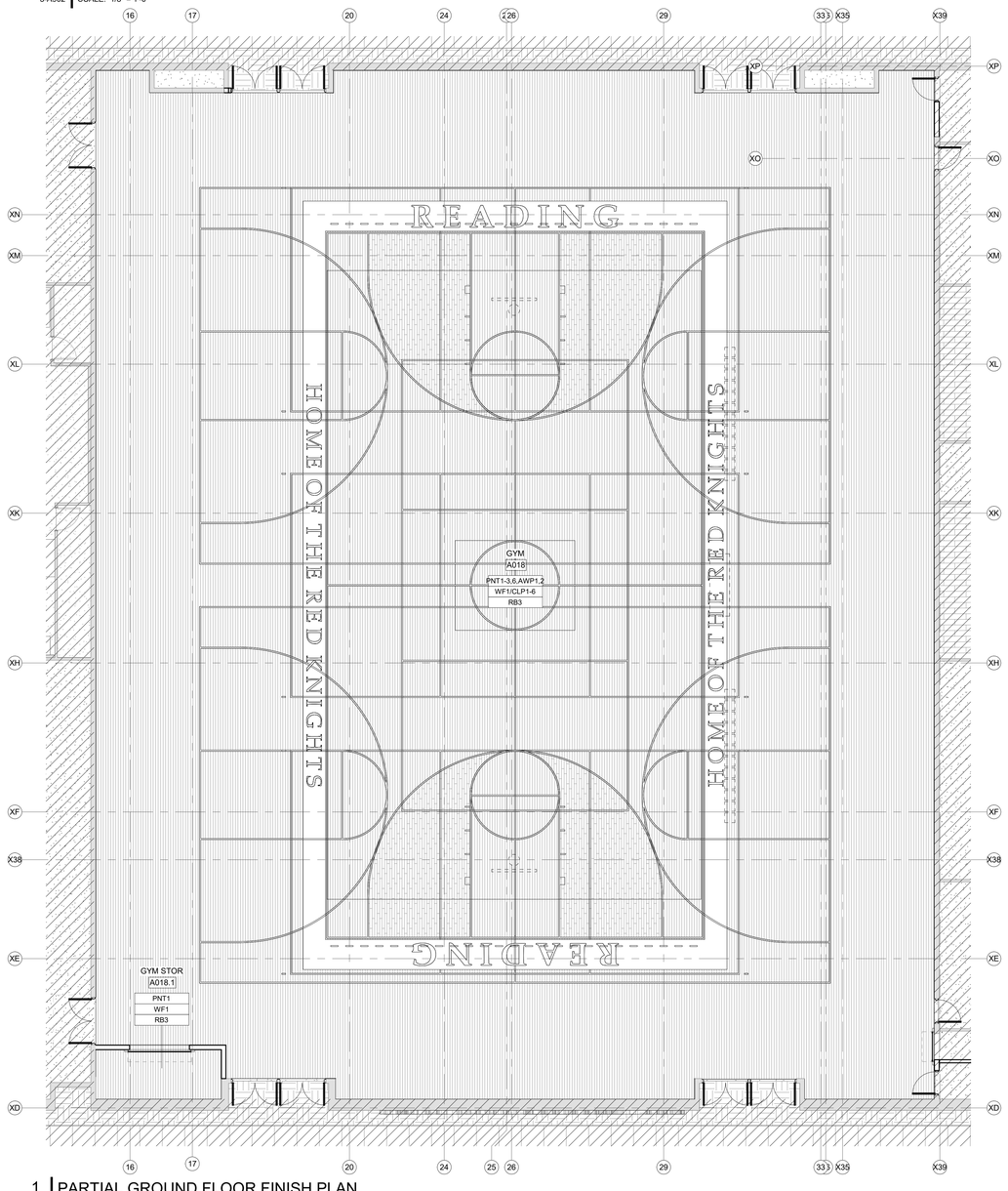


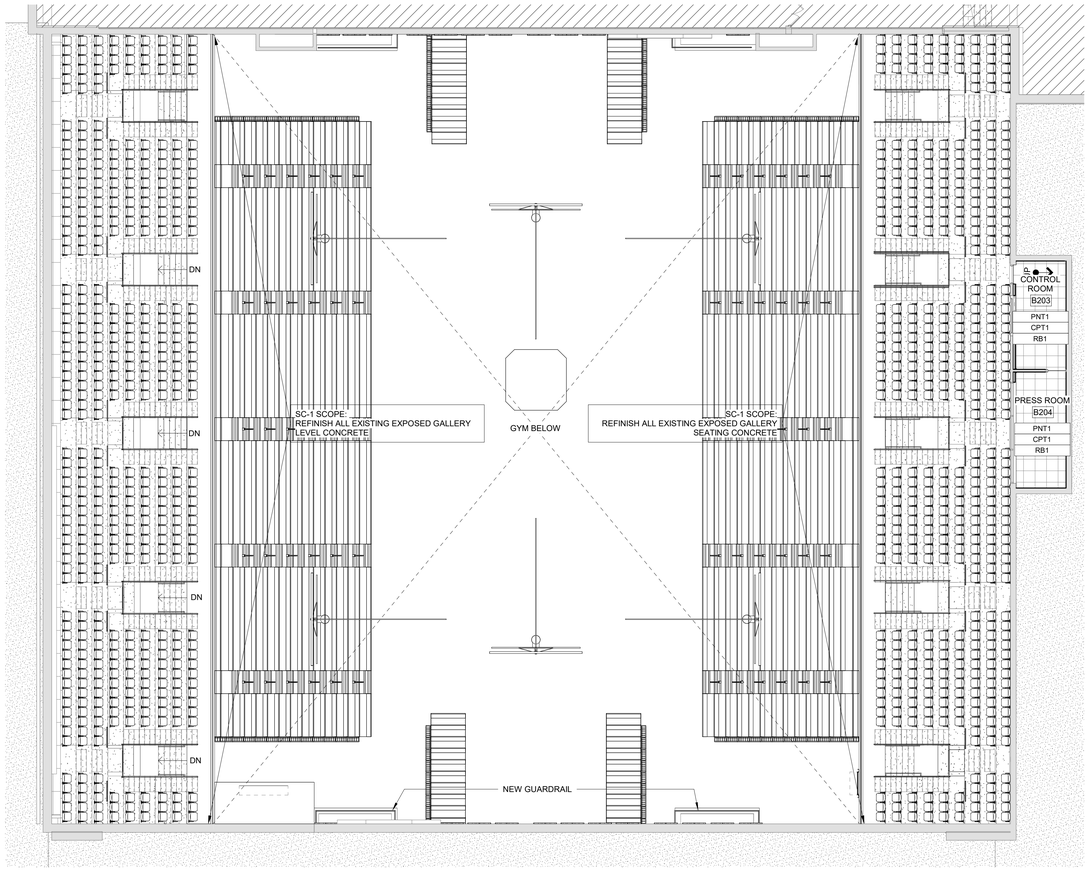
2 PARTIAL GROUND FLOOR FINISH PLAN

3-A902 SCALE: 1/8" = 1'-0"



1 PARTIAL GROUND FLOOR FINISH PLAN

3-A902 SCALE: 1/8" = 1'-0"



3 PARTIAL UPPER GYM FINISH FLOOR PLAN

3-A902 SCALE: 3/32" = 1'-0"

FINISH NOTES

1. REFER TO INTERIOR FINISH PLANS (A900's) FOR FINISH LOCATIONS, DESIGNATIONS, TERMINATION POINTS & PATTERNS.
2. REFER TO INTERIOR ELEVATIONS & INTERIOR DETAILS (A800's) FOR FINISH LOCATIONS, DESIGNATIONS, TERMINATION POINTS & PATTERNS.
3. SEE REFLECTED CEILING PLANS (A120's) FOR APPLICABLE CEILING HEIGHTS, FINISH LOCATIONS & DESIGNATIONS.
4. IN ALL CASES WHERE EXPOSED CEILINGS ARE TO BE PAINTED ALL DUCTWORK AND OTHER EXPOSED MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT TO BE PAINTED.
5. PROVIDE 3/4" AC FIRE RATED PLYWOOD FROM FINISH FLOOR TO 8'-0" A.F.F. BEHIND TELECOM EQUIPMENT. COORDINATE WITH TELECOM REQUIREMENTS. PROVIDE PAINT FINISH TO MATCH ADJACENT CONSTRUCTION PRIOR TO PLACEMENT OF EQUIPMENT.
6. FLOOR FINISHES TO BE CONTINUOUS UNDER ALL CASEWORK, MILLWORK, CABINETRY, PLUMBING AND FLOOR FIXTURES UNLESS OTHERWISE NOTED.
7. PAINT EXTENT DESIGNATION INDICATED ON FINISH SCHEDULE ONLY APPLIES TO WALLS AND CEILINGS. DO NOT PAINT INTERIOR BRICK VENEER, GROUND FACED MASONRY SURFACES, GLAZING, DOOR AND WINDOW FRAMES UNLESS OTHERWISE NOTED.
8. REFER TO PARTITION TYPES AND INTERIOR ELEVATIONS FOR EXTENT OF WALL FINISHES.
9. REFER TO WINDOW AND DOOR SCHEDULES FOR APPLICABLE FINISHES.
10. FLOORING TRANSITIONS UNDER DOORS TO BE CENTERED ON DOOR; NOT OPENING.
11. FLOORING TRANSITIONS AT CASED OR UNCASED OPENINGS TO BE CENTERED ON OPENING, UNLESS SHOWN OTHERWISE ON FINISH PLANS.

FINISH ABBREVIATIONS

ACP	ACOUSTICAL CEILING PANEL
ACT	ACOUSTICAL CEILING TILE
AWP	ACOUSTICAL WALL PANEL
CG	CORNER GUARDS
CPT	CARPET
CT	CERAMIC TILE
EP	EPOXY PAINT
EF	EPOXY FLOOR
FRP	FIBERGLASS REINFORCED PANEL
LVT	LUXURY VINYL TILE
PLAM	PLASTIC LAMINATE
PNT	PAINT
RB	RUBBER BASE
RF	RUBBER FLOOR
SSM	SOLID SURFACE MATERIAL
STN	WOOD STAIN
TP	TOILET PARTITION
TT	TRANSITION TRIM
WG	WALL GRAPHICS
WOM	WALK-OF MAT

FINISH SCHEDULE GENERAL NOTES

1. REFER TO PLANS, INTERIOR ELEVATIONS & INTERIOR DETAILS FOR EXTENT & TRANSITION POINTS OF TYPICAL FINISHES

FINISH LEGEND

- GYM WOOD FLOOR
- SEALED CONCRETE
- CARPET

ROOM FINISH TAG

CLASSROOM — ROOM NAME
B112 — ROOM NUMBER

PNT-02 — WALL FINISH
CPT-01 — FLOOR FINISH
RB-03 — BASE MATERIAL

TAGS

- WALL FINISH/MATERIAL CHANGE
- WALL FINISH DESIGNATION

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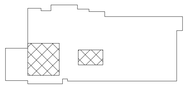
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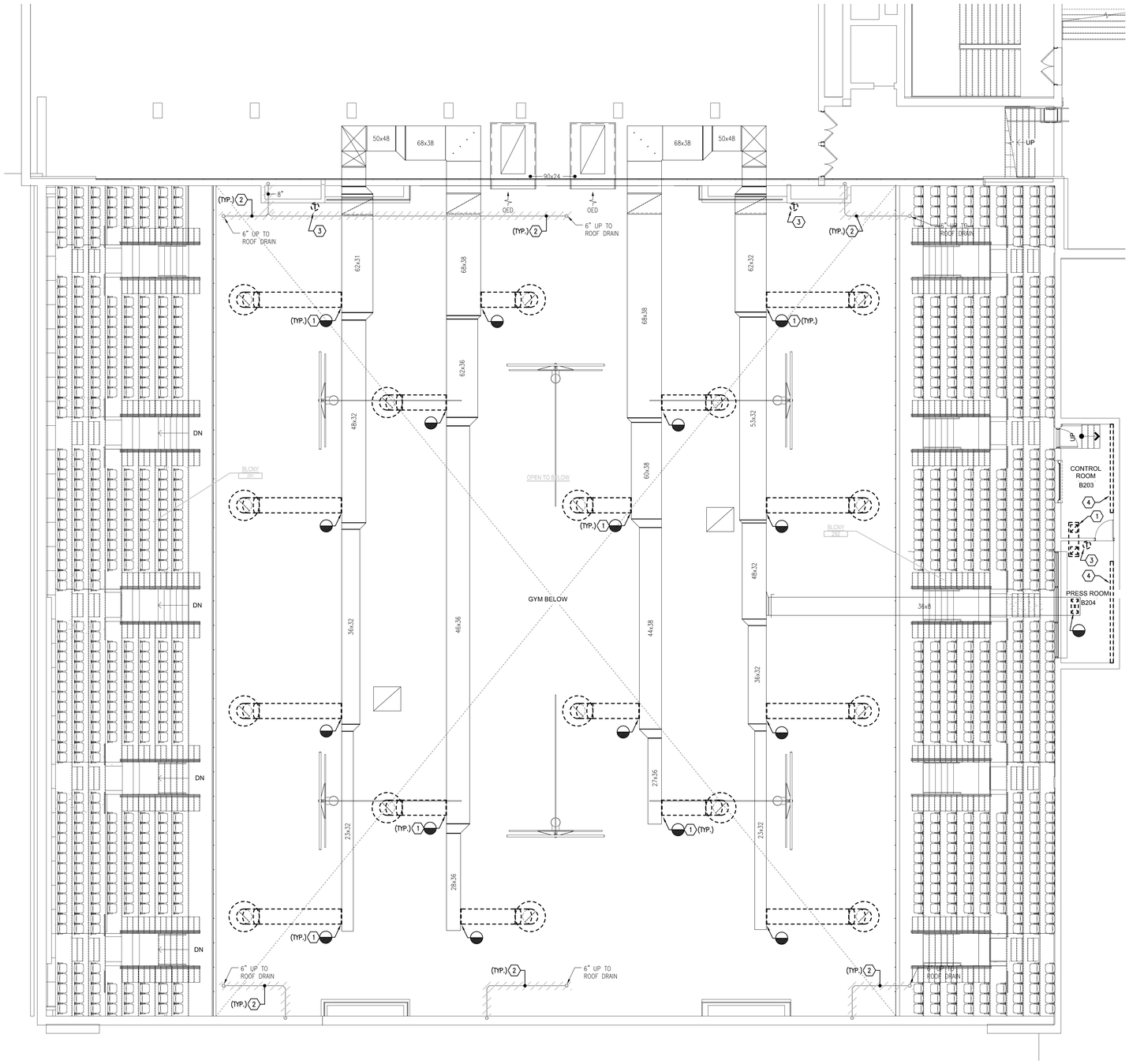
SG PROJECT NUMBER: 226082.00

Key Plan:



Drawing Title:
PARTIAL GROUND & FIRST FLOOR FINISH PLANS

Drawing Number:
3-A902



1 FIRST FLOOR PLAN - DEMOLITION
3-HD100 SCALE: 1/8" = 1'-0"

KEYED DRAWING NOTES:

1. REMOVE EXISTING DUCTWORK IN ITS ENTIRETY INCLUDING SUPPORTS, HANGERS, DAMPERS, INSULATION, GRILLES/REGISTERS/DIFFUSERS, AND ASSOCIATED ACCESSORIES TO POINT INDICATED.
2. REMOVE EXISTING PIPING INSULATION IN ITS ENTIRETY. PROVIDE PIPE INSULATION FOR EXISTING PIPING INCLUDING FITTING INSULATION, INSULATION HANGER SHIELDS.
3. REMOVE EXISTING WALL MOUNTED THERMOSTAT/SENSOR IN ITS ENTIRETY INCLUDING ASSOCIATED SUPPORTS, POWER WIRING, CONTROL WIRING/TUBING, CONDUIT AND ACCESSORIES. PATCH WALL OPENING TO MATCH EXISTING MATERIALS AND FINISHES.
4. REMOVE EXISTING FINNED TUBE IN ITS ENTIRETY INCLUDING ENCLOSURE, PIPING, VALVES, FITTINGS, SUPPORTS, CONTROLS, WALL ANCHORS, AND ACCESSORIES. PATCH WALL INCLUDING ANCHOR PENETRATIONS AND FLOOR PENETRATIONS TO MATCH EXISTING.

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	
CHECK VALVE	CR	CONDENSER WATER RETURN	DUCTWORK DEMOLITION
STRAINER	HPWS	HEAT PUMP WATER SUPPLY	
TRIPLE DUTY VALVE	HPWR	HEAT PUMP WATER RETURN	INDICATES LINED DUCTWORK (SEE SPECS FOR MATERIAL)
HIGH CAPACITY AUTOMATIC AIR VENT	PWS	POOL WATER SUPPLY	
MANUAL AIR VENT	PWR	POOL WATER RETURN	INDICATES MANUAL BALANCING DAMPER
UNION OR FLANGED CONNECTION	RL	REFRIGERANT LIQUID	
FLEXIBLE PIPE CONNECTION	RS	REFRIGERANT SUCTION	INDICATES DUCT RISE OR DROP
FLOW METER	CD	CONDENSATE DRAIN	HIGH POINT
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. REFRIGERANT PIPING RUNS BETWEEN DX EVAPORATOR COILS AND THEIR ASSOCIATED AIR–COOLED CONDENSING UNITS SHALL BE SIZED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. RUN LENGTHS SHALL BE CALCULATED FROM PLANS, BUILDING SECTIONS AND FIELD CONDITIONS. ALL REFRIGERANT PIPING SHALL BE CONCEALED. PROVIDE ALL REQUIRED TRAPS IN VERTICAL REFRIGERANT RISERS AND ALL MISCELLANEOUS REFRIGERANT COMPONENTS THAT ARE INDICATED IN THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
3. HVAC CONTRACTOR IS REQUIRED TO COORDINATE ALL HVAC WORK WITH THE WORK OF ALL OTHER TRADES TO ENSURE CORRECT AND QUALITY INSTALLATIONS.
4. DUCT FITTINGS THAT ARE BETWEEN STRAIGHT SECTIONS OF DUCT THAT IS SHOWN LINED SHALL ALSO BE LINED.
5. DUCT DIMENSIONS GIVEN ARE METAL (OUTSIDE) DIMENSIONS UNLESS OTHERWISE NOTED.
6. 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.
7. 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.
8. 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.
9. CONTRACTOR TO PROVIDE ALL CUTTING & PATCHING REQUIRED FOR THEIR WORK, UNLESS OTHERWISE INDICATED BY THE GENERAL CONTRACTOR ON THE ARCHITECTURAL DRAWINGS.

N
N True Project

0' 2' 4' 8' 16' 32'

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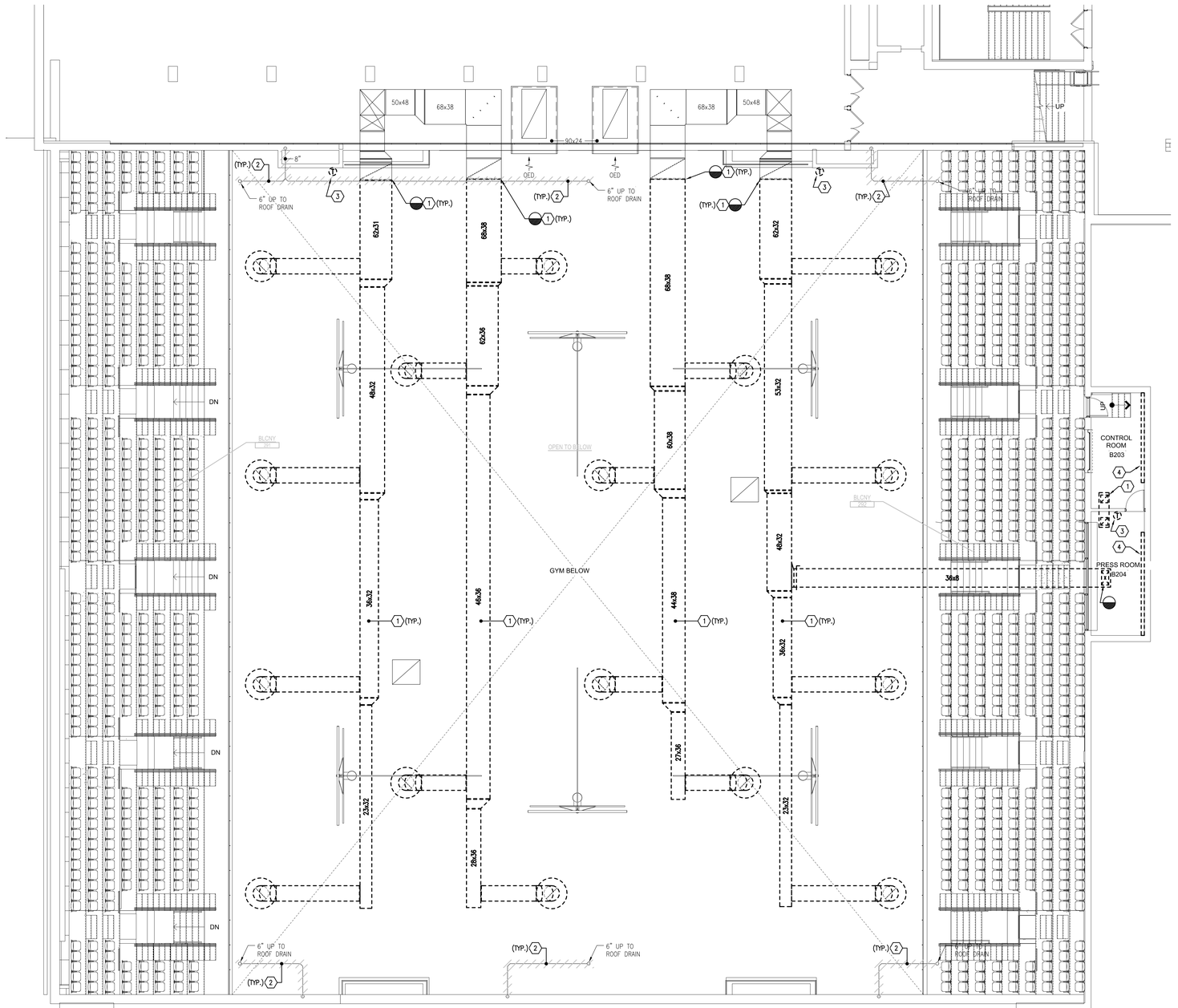
SG PROJECT NUMBER: 226082.00

Key Plan:



Drawing Title:
HVAC
FLOOR PLAN

Drawing Number:
3-HD100



1 FIRST FLOOR PLAN - DEMOLITION

3-HD101 SCALE: 1/8" = 1'-0"

KEYED DRAWING NOTES:

1. REMOVE EXISTING DUCTWORK IN ITS ENTIRETY INCLUDING SUPPORTS, HANGERS, DAMPERS, INSULATION, GRILLES/REGISTERS/DIFFUSERS, AND ASSOCIATED ACCESSORIES TO POINT INDICATED.
2. REMOVE EXISTING PIPING INSULATION IN ITS ENTIRETY. PROVIDE PIPE INSULATION FOR EXISTING PIPING INCLUDING FITTING INSULATION, INSULATION HANGER SHIELDS.
3. REMOVE EXISTING WALL MOUNTED THERMOSTAT/SENSOR IN ITS ENTIRETY INCLUDING ASSOCIATED SUPPORTS, POWER WIRING, CONTROL WIRING/TUBING, CONDUIT AND ACCESSORIES. PATCH WALL OPENING TO MATCH EXISTING MATERIALS AND FINISHES.
4. REMOVE EXISTING FINNED TUBE IN ITS ENTIRETY INCLUDING ENCLOSURE, PIPING, VALVES, FITTINGS, SUPPORTS, CONTROLS, WALL ANCHORS, AND ACCESSORIES. PATCH WALL INCLUDING ANCHOR PENETRATIONS AND FLOOR PENETRATIONS TO MATCH EXISTING.

N
N
True Project

2' 8' 32'
0' 4' 16'

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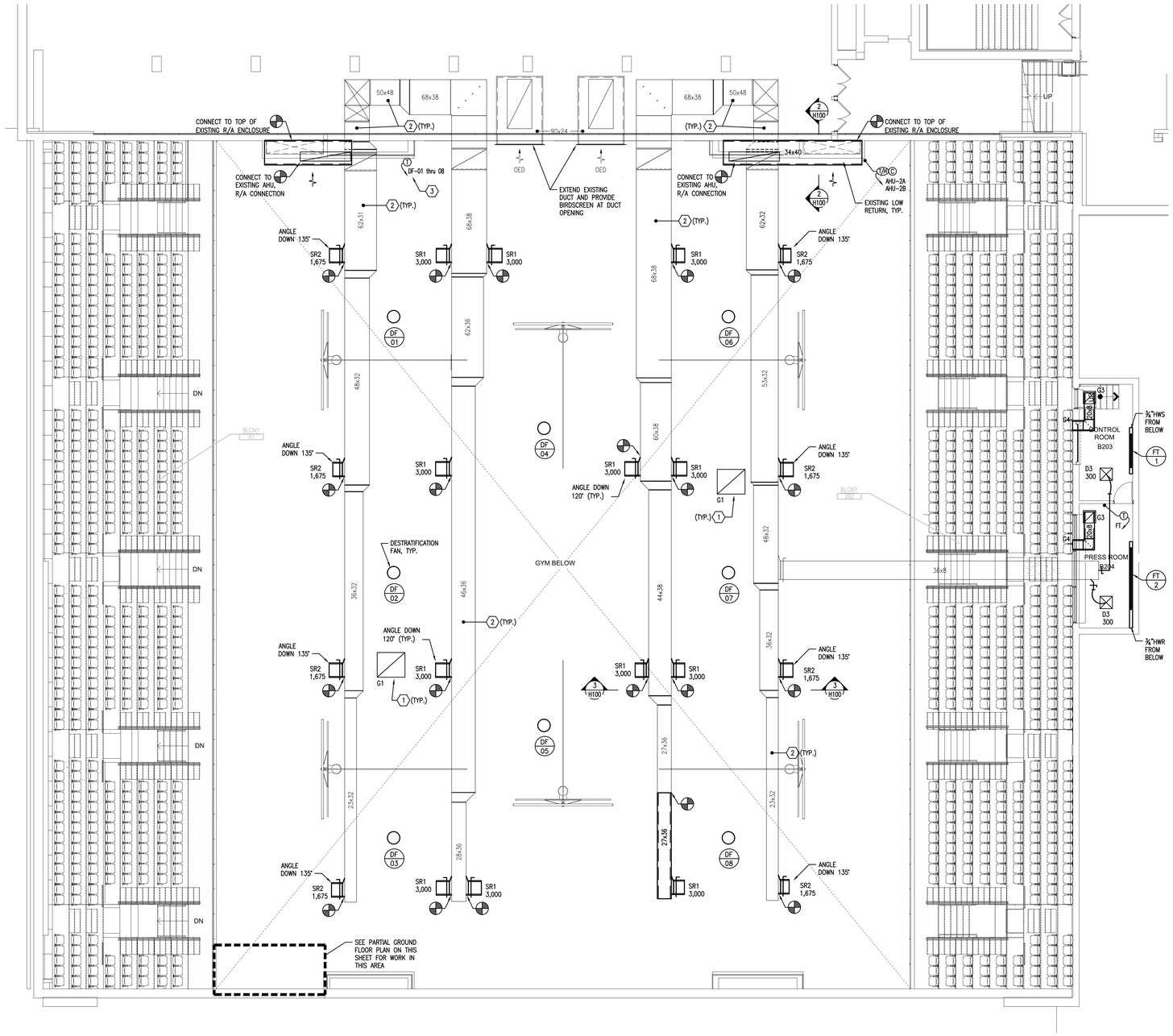
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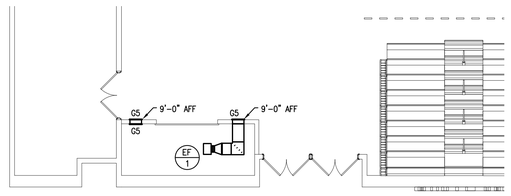


Drawing Title:
HVAC
FLOOR PLAN
BID ALTERNATE

Drawing Number:
3-HD101



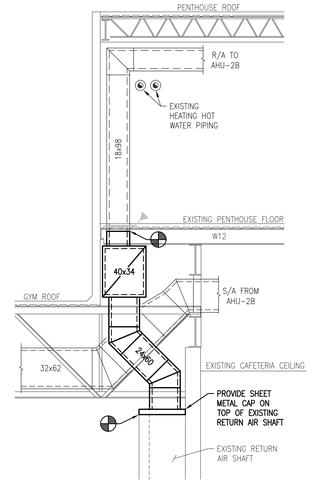
1 FIRST FLOOR PLAN
3-H100 SCALE: 1/8" = 1'-0"



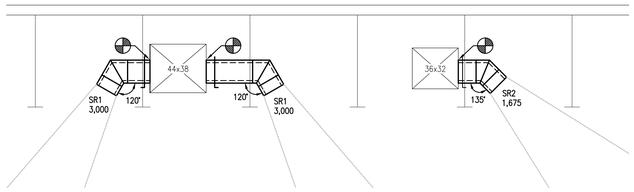
4 PARTIAL GROUND FLOOR PLAN
3-H100 SCALE: 1/8" = 1'-0"

KEYED DRAWING NOTES:

1. REMOVE EXISTING GRILLE. PROVIDE NEW GRILLE. CONTRACTOR TO FIELD VERIFY EXISTING GRILLE DIMENSION.
2. CLEAN EXISTING DUCTWORK IN ITS ENTIRETY. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
3. PROVIDE ONE (1) TEMPERATURE SENSOR NOT LESS THAN 6-INCHES UNDER THE FAN NOZZLE ELEVATION AND ONE (1) TEMPERATURE SENSOR AT TYPICAL MOUNTING HEIGHT, AS INDICATED IN THE SPECIFICATIONS. PROVIDE ALL REQUIRED CONTROL WIRING BETWEEN FANS, USER INTERFACES, AND SENSORS AS REQUIRED FOR A FULLY OPERATIONAL SYSTEM.



2 SECTION
3-H100 SCALE: 1/4" = 1'-0"



3 SECTION
3-H100 SCALE: 1/4" = 1'-0"

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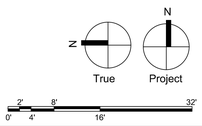
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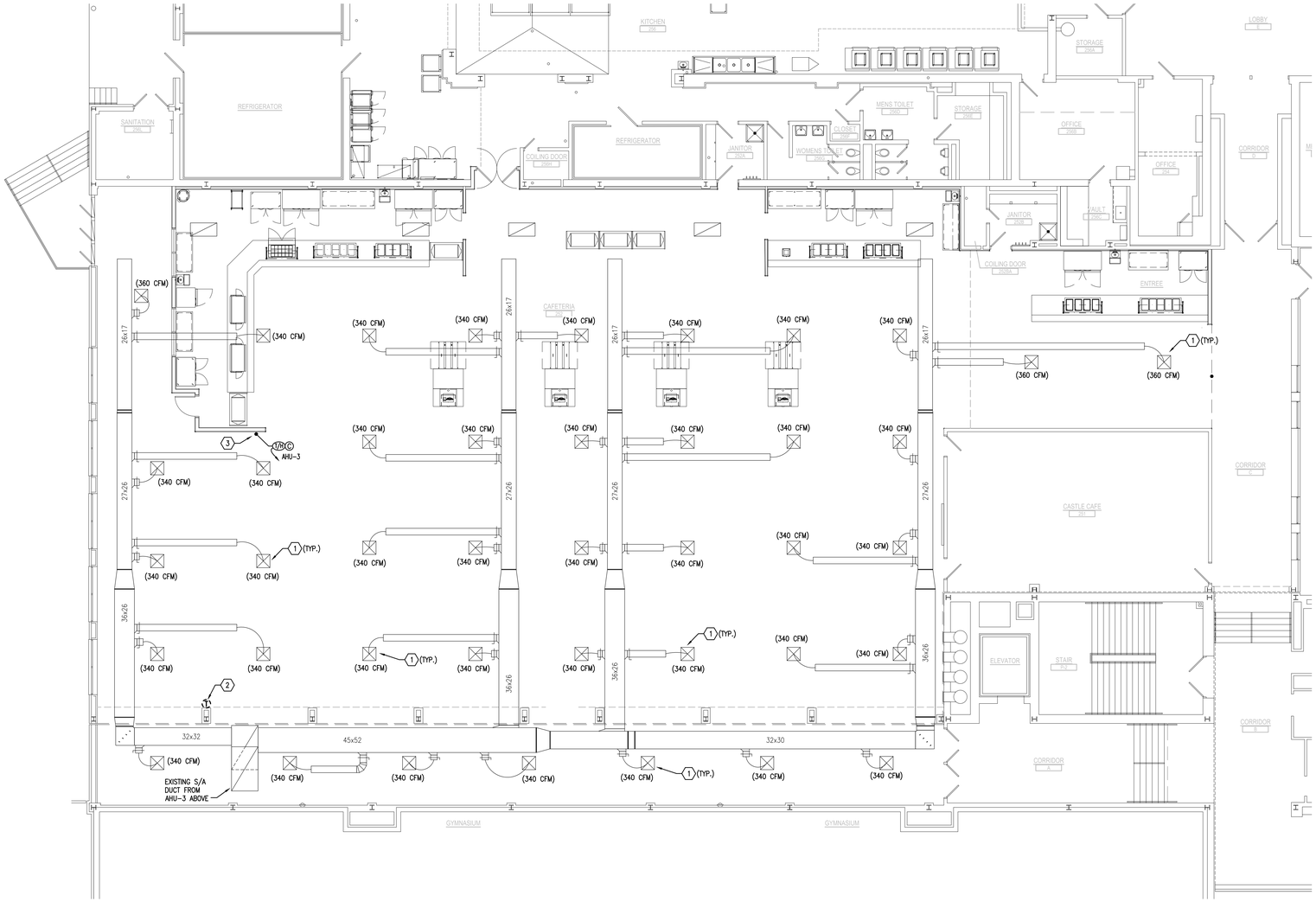


Drawing Title:
HVAC
FLOOR PLAN

Drawing Number:
3-H100



ISSUED FOR BIDDING



1 SECOND FLOOR PLAN

3-H101 SCALE: 1/8" = 1'-0"

KEYED DRAWING NOTES:

1. RE-BALANCE EXISTING GRILLE/DIFFUSER TO AIRFLOW (CFM) INDICATED IN PARENTHESES.
2. REMOVE EXISTING WALL MOUNTED THERMOSTAT/SENSOR IN ITS ENTIRETY INCLUDING ASSOCIATED SUPPORTS, POWER WIRING, CONTROL WIRING/TUBING, CONDUIT AND ACCESSORIES. PATCH WALL OPENING TO MATCH EXISTING MATERIALS AND FINISHES.
3. FISH AND CONCEAL CONTROL WIRING IN EXISTING STUD WALL.

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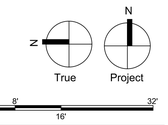
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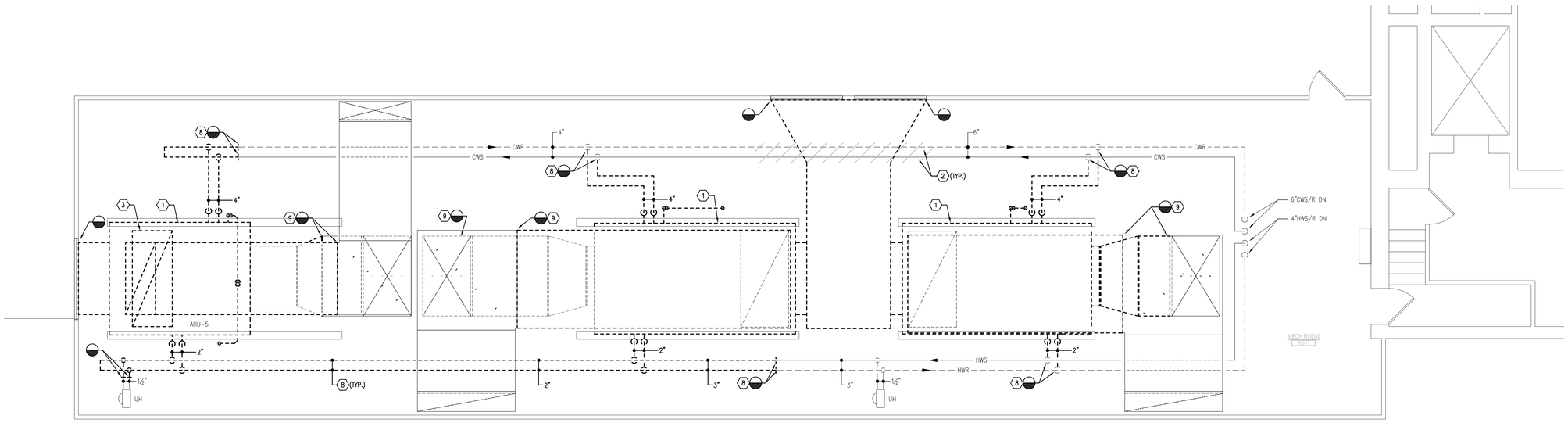


Drawing Title:
HVAC
FLOOR PLAN

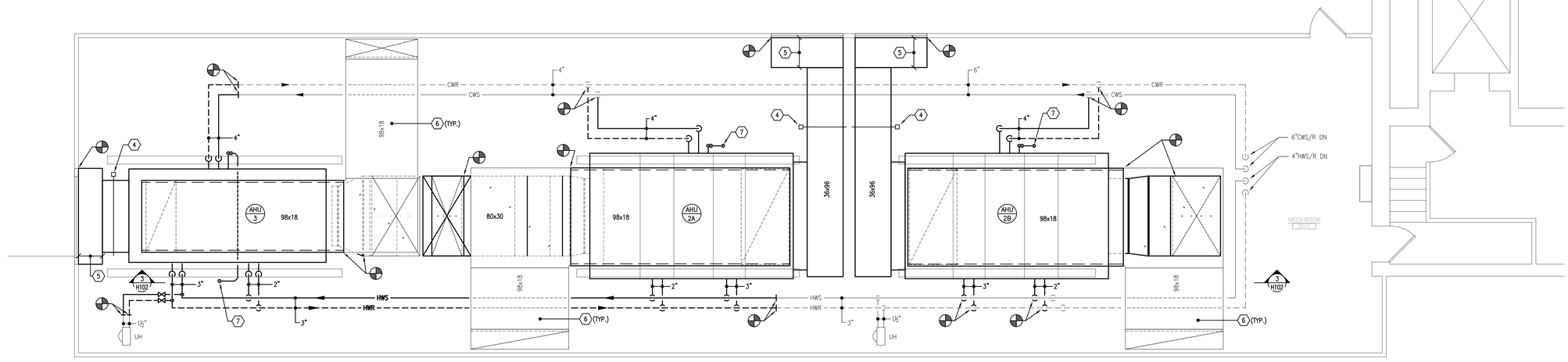
Drawing Number:
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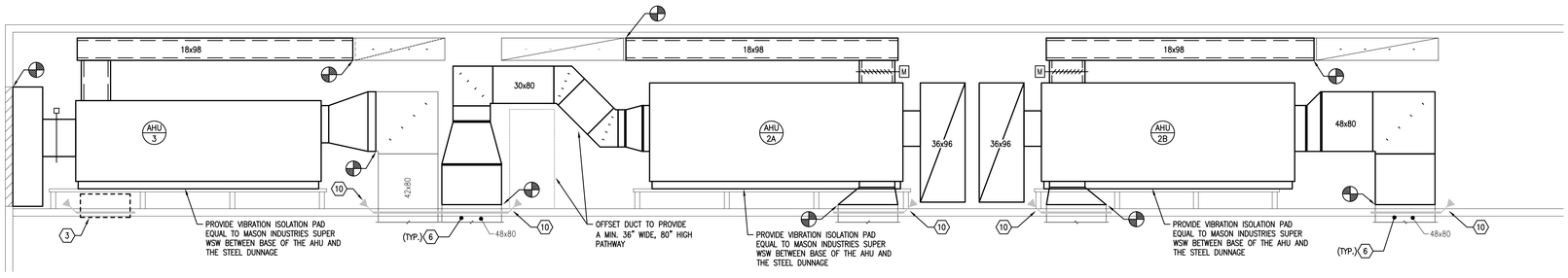
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1 PENTHOUSE - HVAC DEMOLITION
3-H102 SCALE: 1/4" = 1'-0"



2 PENTHOUSE - HVAC
3-H102 SCALE: 1/4" = 1'-0"



3 PENTHOUSE - SECTION
3-H102 SCALE: 1/4" = 1'-0"

KEYED DRAWING NOTES:

1. REMOVE EXISTING AIR HANDLING UNIT IN ITS ENTIRETY INCLUDING ASSOCIATED PIPING, VALVES, DUCTWORK, FITTINGS, INSULATIONS, SUPPORTS, VIBRATION ISOLATION, CONTROLS, CONTROL WIRING/TUBING AND ACCESSORIES.
2. REMOVE EXISTING PIPING INSULATION IN ITS ENTIRETY INCLUDING VALVE AND FITTING INSULATION. PROVIDE PIPE INSULATION FOR EXISTING PIPING INCLUDING VALVE INSULATION, FITTING INSULATION, INSULATION HANGER SHIELDS, PIPING IDENTIFICATION, INCLUDING FLOW ARROWS.
3. REMOVE EXISTING APPROXIMATE 40x96 DUCT, FIRE DAMPER AND ASSOCIATED PENETRATION. GENERAL CONTRACTOR TO PATCH FLOOR TO MATCH EXISTING. SEE STRUCTURAL DRAWING FOR DETAIL.
4. PROVIDE AIRFLOW MONITORING STATION. SEE SPECIFICATIONS SECTION 230900 FOR DETAILS.
5. PROVIDE A TWO (2) FOOT DEEP PLENUM TO MATCH THE EXISTING LOUVER DIMENSIONS.
6. CLEAN EXISTING DUCTWORK IN ITS ENTIRETY. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
7. PROVIDE 1-1/2" CONDENSATE PIPING AND CONNECT TO EXISTING CONDENSATE DRAIN FUNNEL WITH AN AIR GAP.
8. REMOVE EXISTING HYDRONIC WATER AND/OR CONDENSATE DRAIN PIPING IN ITS ENTIRETY INCLUDING VALVES, FITTINGS, INSULATION, HANGERS, SUPPORTS AND ASSOCIATED ACCESSORIES TO POINT INDICATED.
9. REMOVE EXISTING DUCTWORK IN ITS ENTIRETY INCLUDING SUPPORTS, HANGERS, DAMPERS, INSULATION, AND ASSOCIATED ACCESSORIES TO POINT INDICATED.
10. CONTRACTOR TO REMOVE EXISTING FIRE DAMPER FUSIBLE LINKS AND PROVIDE NEW FUSIBLE LINKS. CLEAN EXISTING FIRE DAMPER TRACK/CHANNEL AND VERIFY FIRE DAMPER OPERATION.

N
True
Project
0' 2' 4' 8' 16' 32'

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READING, PA 19601

Renovations to:
READING HIGH SCHOOL - ATHLETICS FACILITY (PHASE 3)
801 NORTH 13TH STREET
READING, PA 19604

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NO.	DESCRIPTION	DATE
	ISSUED FOR BIDDING	11/13/2026

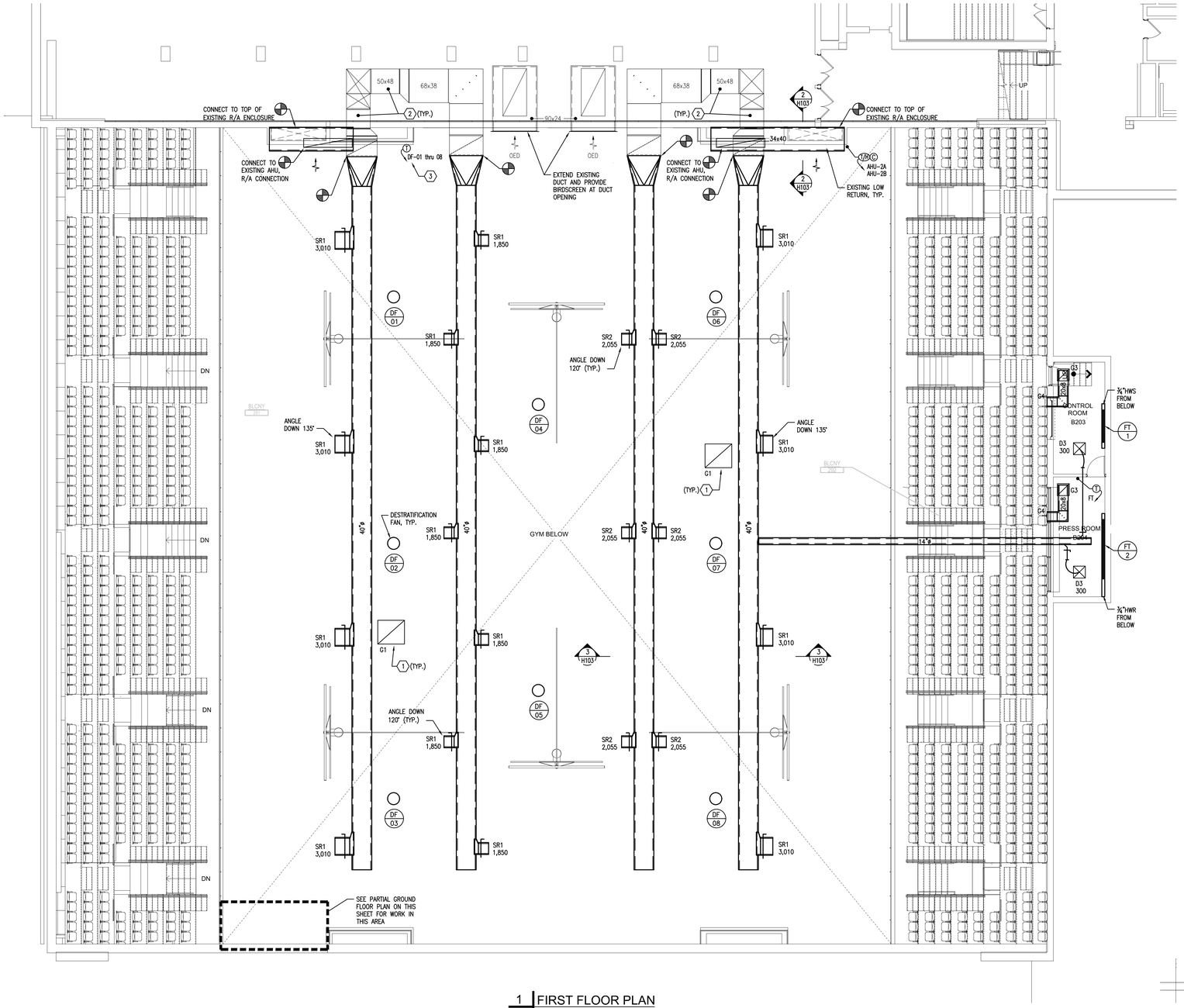
DATE: 11/13/2026

SG PROJECT NUMBER: 226082.00

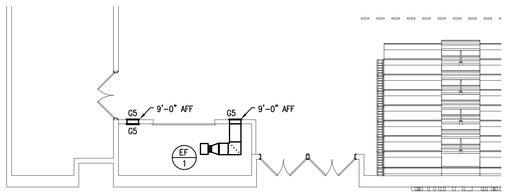
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Drawing Title:
HVAC
PENTHOUSE PLANS

Drawing Number:
3-H102



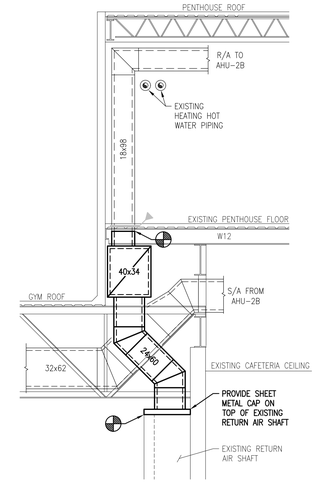
1 FIRST FLOOR PLAN
3-H103 SCALE: 1/8" = 1'-0"



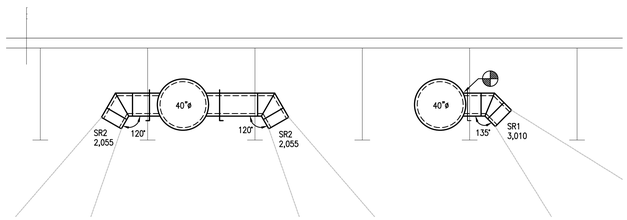
4 PARTIAL GROUND FLOOR PLAN
3-H103 SCALE: 1/8" = 1'-0"

KEYED DRAWING NOTES:

1. REMOVE EXISTING GRILLE. PROVIDE NEW GRILLE. CONTRACTOR TO FIELD VERIFY EXISTING GRILLE DIMENSION.
2. CLEAN EXISTING DUCTWORK IN ITS ENTIRETY. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
3. PROVIDE ONE (1) TEMPERATURE SENSOR NOT LESS THAN 6-INCHES UNDER THE FAN NOZZLE ELEVATION AND ONE (1) TEMPERATURE SENSOR AT TYPICAL MOUNTING HEIGHT, AS INDICATED IN THE SPECIFICATIONS. PROVIDE ALL REQUIRED CONTROL WIRING BETWEEN FANS, USER INTERFACES, AND SENSORS AS REQUIRED FOR A FULLY OPERATIONAL SYSTEM.



2 SECTION
3-H103 SCALE: 1/4" = 1'-0"



3 SECTION
3-H103 SCALE: 1/4" = 1'-0"

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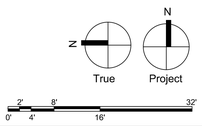
SG PROJECT NUMBER: 226082.00

Key Plan:



Drawing Title:
HVAC
FLOOR PLAN
BID ALTERNATE

Drawing Number:
3-H103



ISSUED FOR BIDDING

MODULAR AIR HANDLING UNIT SCHEDULE

BASIS OF DESIGN: TRANE

SYMBOL	SUPPLY FAN						MODEL	OUTSIDE AIR				PREHEAT COIL									COOLING COIL													REHEAT COIL									PIPING CONNECTION SIZES			NOMINAL SIZE L"xW"xH"	MAX. OPERATING WEIGHT (LBS)	ELECTRICAL CONTROLS/ LIGHTS/OUTLETS	CONFIGURATION DETAIL	REMARKS	SYMBOL
	CFM	E.S.P	QTY	H.P. (EA.)	RPM	ELECTRICAL		DESIGN O.A. (CFM)	MIN. O.A. (CFM)	SUMMER D.B./W.B. (°F)	WINTER D.B. (°F)	E.A.T. (°F)	L.A.T. (°F)	CAPACITY MBH	GPM	EWT (°F)	LWT (°F)	ROWS	FV (FT/MIN)	APD	WPD	E.A.T.		L.A.T.		GPM.	EWT (°F)	LWT (°F)	ROWS	TOTAL CAPACITY MBH	SENSIBLE CAPACITY MBH	FV (FT/MIN.)	APD	WPD	E.A.T. (°F)	L.A.T. (°F)	CAPACITY MBH	GPM	EWT (°F)	LWT (°F)	ROWS	FV (FT/MIN.)	APD	WPD									
						VOLTS/PHASE	MCA															DB (°F)	WB (°F)	DB (°F)	WB (°F)																		COOLING	PREHEAT	REHEAT			VOLTS/PHASE			
AHU-2A	25,000	1.5"	2	20	1,800	460/3	65.0	CSAA050	11,000	750	95.0/75.0	10.0	43.6	95.0	1,393.6	93.1	150.0	120.0	2	531	0.23"	1.8'	83.8	68.7	55.0	54.7	220.7	45.0	55.0	6	1,107.3	794.2	518	0.67"	6.0	55.0	75.0	542.3	36.2	150.0	120.0	1	531	0.09"	1.5'	4"	3"	2"	204"x126"x80"	7,713 lbs	–	SEE DETAIL #1	–	AHU-2A
AHU-2B	25,000	1.5"	2	20	1,800	460/3	65.0	CSAA050	11,000	750	95.0/75.0	10.0	43.6	95.0	1,393.6	93.1	150.0	120.0	2	531	0.23"	1.8'	83.8	68.7	55.0	54.7	220.7	45.0	55.0	6	1,107.3	794.2	518	0.67"	6.0	55.0	75.0	542.3	36.2	150.0	120.0	1	531	0.09"	1.5'	4"	3"	2"	204"x126"x80"	7,713 lbs	–	SEE DETAIL #1	–	AHU-2B
AHU-3	14,000	1.25"	1	20	1,800	460/3	33.75	CSAA030	7,000	2,300	95.0/75.0	10.0	37.0	95.0	880.6	58.8	150.0	120.0	2	488	0.22"	1.4'	86.0	70.0	55.0	54.9	134.9	45.0	55.0	6	677.0	479.2	488	0.80"	2.2'	55.0	75.0	303.7	20.3	150.0	120.0	1	488	0.08"	0.9'	4"	2-1/2"	2"	198"x94"x65"	4,672 lbs	–	SEE DETAIL #1	–	AHU-3

NOTES:
1. MODEL NUMBERS ARE INDICATED FOR REFERENCE ONLY. THE DUTIES AND CAPACITIES ARE TO BE USED FOR FINAL UNIT SELECTION BY THE MANUFACTURER.
2. REFER TO PLANS FOR UNIT CONFIGURATIONS. UNITS WITH THE SAME SYMBOL NUMBER MAY HAVE LEFT OR RIGHT HAND CONNECTIONS AND/OR REQUIRE DIFFERENT CONFIGURATIONS.
3. COORDINATE INDOOR MODULAR UNIT SECTIONS WITH BUILDING CONSTRUCTION SEQUENCING FOR ENTRANCE OF MODULAR SECTIONS INTO MECHANICAL PENTHOUSE.

DESTRATIFICATION FAN SCHEDULE

BASIS OF DESIGN: ZOO FANS

SYMBOL	AREA SERVED	CFM	COVERAGE AREA (SQ.FT.)	MOUNTING HEIGHT (FEET)	FAN DATA			DRIVE	SOUND PRESSURE AT 35 FT DISTANCE	MODEL	REMARKS
					WATTS	RPM	ELECTRICAL				
DF-1, 2, 3, 4, 5, 6, 7, & 8	GYMNASIUM	1,250	2,500	38	89	1,850	120/1/60	DIRECT	50.5 dBA	H50-EC	–

NOTES:
1. MODEL NUMBERS ARE INDICATED FOR REFERENCE ONLY. THE DUTIES AND CAPACITIES ARE TO BE USED FOR FINAL UNIT SELECTION BY THE MANUFACTURER.
2. PROVIDE MANUFACTURER'S SPEED CONTROLLER.
3. PROVIDE MANUFACTURER'S AUTOMATIC CONTROL OPTION WITH USER INTERFACE.
4. PROVIDE MANUFACTURER'S INTAKE & EXHAUST SAFETY GRILLE.
5. PROVIDE MANUFACTURER'S EXPOSED SPACE INSTALLATION MOUNTING KIT INCLUDING HARDWARE, CABLE, TETHER.
6. PROVIDE UNIT WITH 6' POWER CORD WITH 3-PRONGED PLUG.

GRILLE AND REGISTER SCHEDULE

SYMBOL	SIZE	MODEL	MAXIMUM N.C.	MAXIMUM PRESSURE DROP	BORDER TYPE	MANUFACTURER	REMARKS
–	–	–	–	–	–	–	–
SR1	36x24	272FL	<23	0.08	SURAFCE	TITUS	–
SR2	24x24	272FL	<23	0.08	SURAFCE	TITUS	–
–	–	–	–	–	–	–	–
G1	54x54	33RL	<20	0.08	SURAFCE	TITUS	PROVIDE GRILLE IN FOUR EQUAL SECTIONS FOR FIELD ASSEMBLY FOR AN OVERALL GRILLE SIZE OF 54x54.
G3	10x10	350FL	<20	0.08	SURAFCE	TITUS	
G4	18x6	350FL	<20	0.08	SURAFCE	TITUS	
G5	18x12	33RL	<20	0.08	SURAFCE	TITUS	

DIFFUSER SCHEDULE

SYMBOL	NECK SIZE	FACE SIZE	BLOW PATTERN	MODEL	MAXIMUM N.C.	MAXIMUM PRESSURE DROP	BORDER TYPE	MANUFACTURER	REMARKS
D3	10"ø	18x18	4-WAY	TDC	<20	0.08	LAY-IN	TITUS	–
–	–	–	–	–	–	–	–	–	–

FINNED TUBE SCHEDULE

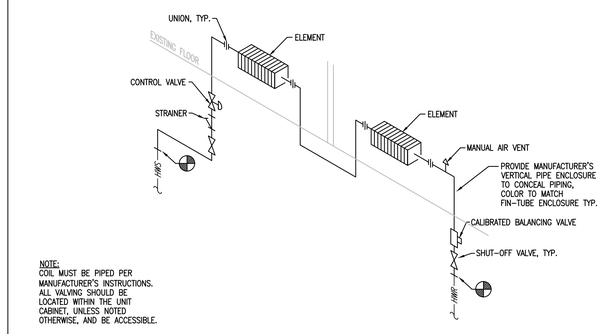
BASIS OF DESIGN: ZEHNDER RITTLING

SYMBOL	NOMINAL CAPACITY (BTU/LF) *SEE NOTE 2	CAPACITY AT DESIGN CONDITIONS (BTU/LF)	GPM	WPD	EAT °F	EWT °F	LWT °F	ROWS	FIN SIZE SIZE	ACTIVE ELEMENT LENGTH	FINS PER INCH	CAPACITY (MBH)	ENCLOSURE DIMENSIONS		LENGTH OF ENCLOSURE	BRANCH PIPING SIZE	RETURN PIPE HANGER IN ENCLOSURE	MODEL	ENCLOSURE FINISH	REMARKS
													H	D						
FT-1	920	588.6	1.5	0.7'	65.0	150.0	145.7	1	2-3/4"x4"	5.5 FEET	48	3.2	11"	4"	7.5 FEET	3/4"	NO	IBG	STANDARD COLOR	–
FT-2	920	549.2	1.5	0.7'	65.0	145.7	138.3	1	2-3/4"x4"	10 FEET	48	5.5	11"	4"	14 FEET	3/4"	NO	IBG	STANDARD COLOR	–

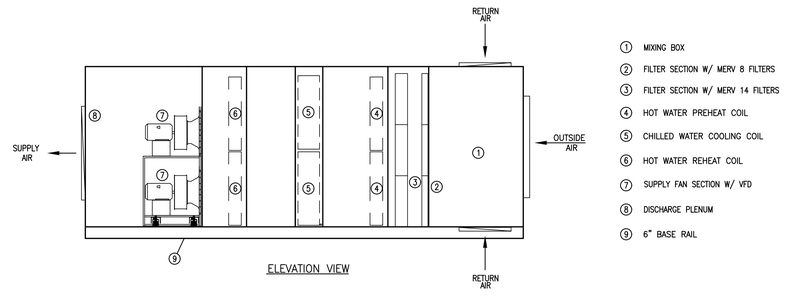
NOTES:
1. PROVIDE MANUFACTURER'S ACCESS DOORS, END CAPS, WALL TRIM AND FULL BACK PANEL.
2. NOMINAL CAPACITY BASED ON 180°F AVERAGE WATER TEMPERATURE & 65°F ENTERING AIR TEMPERATURE.

EXHAUST FAN SCHEDULE

SYMBOL	AREA SERVED	CFM	SP	FAN DATA			DRIVE	BMS INTERLOCK	DAMPER	SONES	CONTROL	MOUNTING	MODEL	REMARKS
				H.P.	RPM	ELECTRICAL								
EF-1	GYM STORAGE	400	0.3"	0.25	994	120/1	DIRECT	YES	BDD	2.5	TIME OF DAY SCHEDULE	INLINE	GC-720	PROVIDE MANUFACTURER'S SPEED CONTROL, ISOLATORS, & GRILLE
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–



1 PRESS BOX FIN-TUBE PIPING DETAIL
NO SCALE



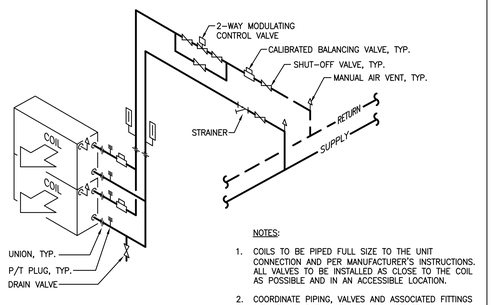
ELEVATION VIEW

NOTES:
1. REFER TO PLANS FOR RIGHT/LEFT HAND ACCESS DOORS CONFIGURATION.
2. REFER TO PLANS FOR RIGHT/LEFT HAND COIL CONFIGURATION.

2 AIR HANDLING UNIT CONFIGURATION DETAIL
NO SCALE

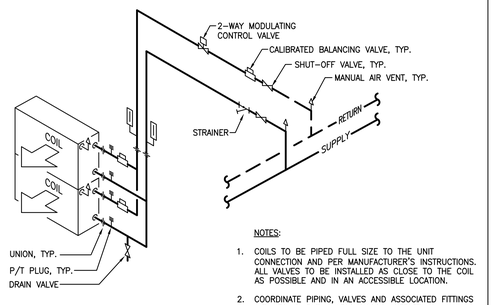
NOTES:
1. INSTALL FAN IN ACCORDANCE TO MANUFACTURER'S RECOMMENDATION.

3 DESTRATIFICATION FAN
NO SCALE



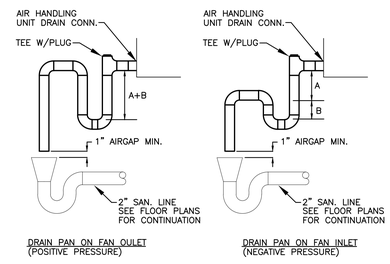
NOTES:
1. COILS TO BE PIPED FULL SIZE TO THE UNIT CONNECTION AND PER MANUFACTURER'S INSTRUCTIONS. ALL VALVES TO BE INSTALLED AS CLOSE TO THE COIL AS POSSIBLE AND IN AN ACCESSIBLE LOCATION.
2. COORDINATE PIPING, VALVES AND ASSOCIATED FITTINGS WITH EQUIPMENT ACCESS DOORS. OFFSET AS NECESSARY TO MAINTAIN FULL ACCESS TO UNIT.

4 AHU (MULTIPLE COIL) HOT WATER COIL PIPING DETAIL
NO SCALE



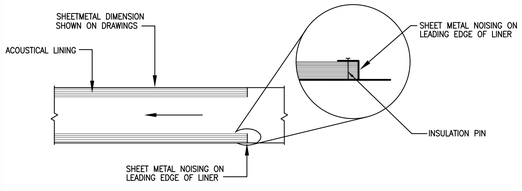
NOTES:
1. COILS TO BE PIPED FULL SIZE TO THE UNIT CONNECTION AND PER MANUFACTURER'S INSTRUCTIONS. ALL VALVES TO BE INSTALLED AS CLOSE TO THE COIL AS POSSIBLE AND IN AN ACCESSIBLE LOCATION.
2. COORDINATE PIPING, VALVES AND ASSOCIATED FITTINGS WITH EQUIPMENT ACCESS DOORS. OFFSET AS NECESSARY TO MAINTAIN FULL ACCESS TO UNIT.

5 AHU (MULTIPLE COIL) CHILLED WATER COIL PIPING DETAIL
NO SCALE



NOTES:
1. DRAIN CONN TO BE FULL SIZE. BUT NOT LESS THAN 1".
2. "A" = SYSTEM STATIC IN INCHES AT DRAIN POINT.
"B" = 1/2 SYSTEM STATIC IN INCHES AT DRAIN POINT.

6 CONDENSATE DRAIN DETAILS
NO SCALE



7 TYPICAL DUCT LINING DETAIL
NO SCALE

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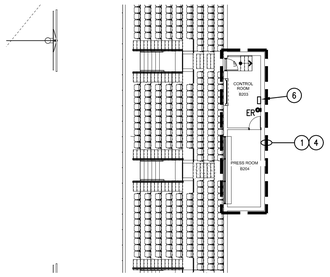
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Key Plan:



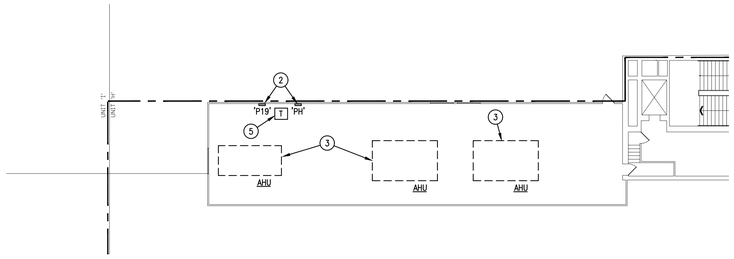
Drawing Title:
HVAC SCHEDULES AND DETAILS

Drawing Number:
3-H500



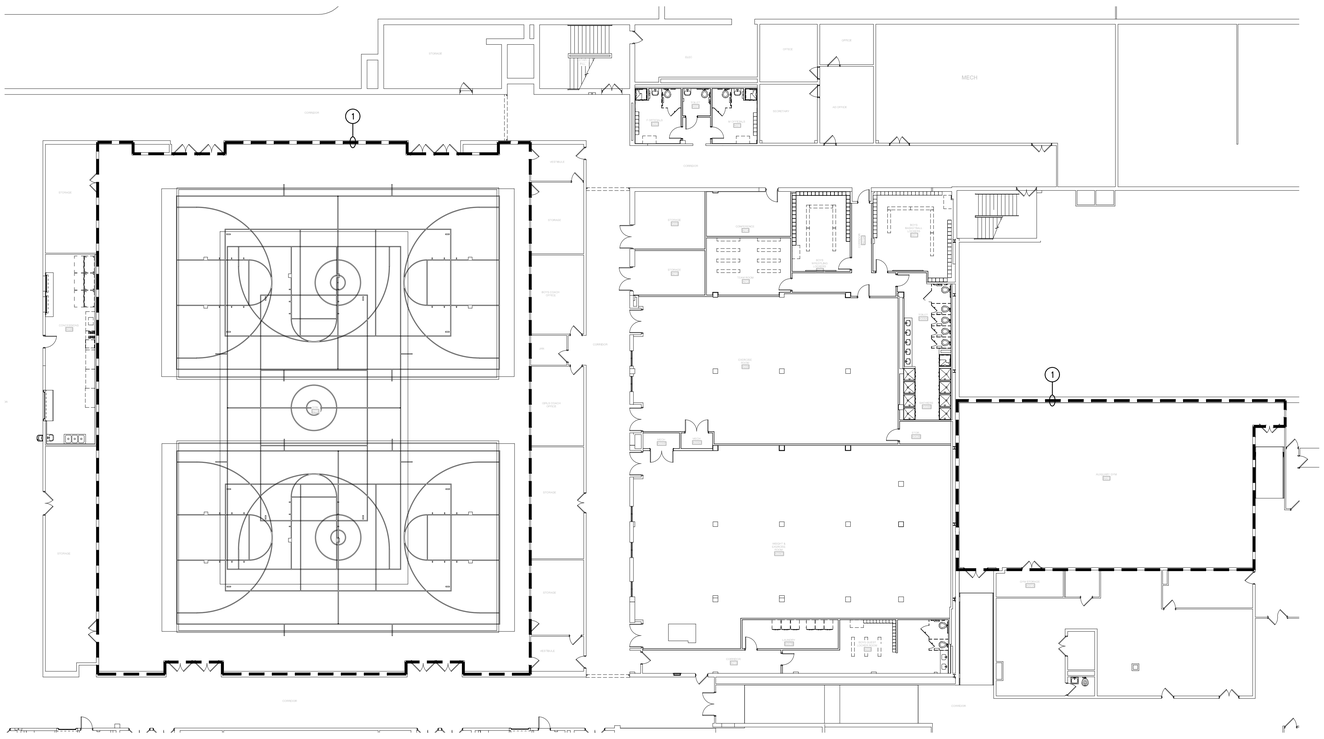
PRESSBOX - ELECTRICAL DEMOLITION

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



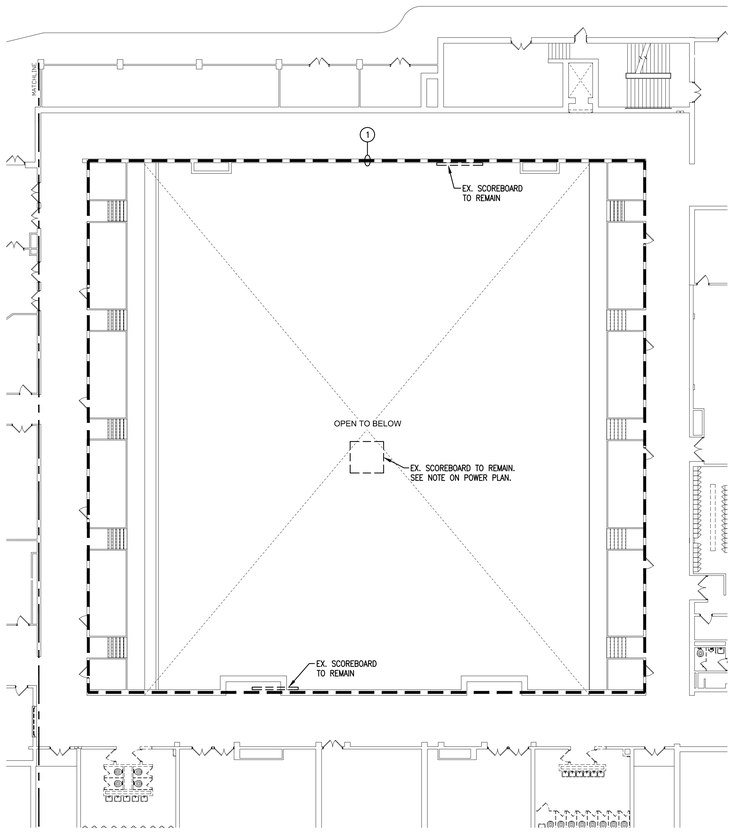
PENTHOUSE - ELECTRICAL DEMOLITION

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



GROUND FLOOR PLAN - ELECTRICAL DEMOLITION

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



FIRST FLOOR PLAN - ELECTRICAL DEMOLITION

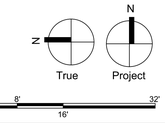
SCALE: 1/16" = 1'-0"

GENERAL 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. 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, TO MATCH ADJACENT SURFACES.
7. 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.
8. THE CONTRACTOR SHALL DISCONNECT AND REMOVE ALL EXISTING LIGHTING FIXTURES AND ASSOCIATED WIRING IN AREAS WHERE NEW FIXTURES ARE SHOWN OR OTHERWISE NOTED.
9. 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.

DRAWING NOTES:

1. REMOVE ALL ELECTRICAL EQUIPMENT WITHIN THIS AREA, UNLESS NOTED OR SHOWN OTHERWISE. ELECTRICAL EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO, LIGHT FIXTURES, WIRING DEVICES, FLOOR BOXES, FIRE ALARM SYSTEM, SPEAKERS, DATA OUTLETS, TELEPHONE OUTLETS, TELEVISION OUTLETS, INTERCOM SYSTEMS, WIRING, CONDUIT, SURFACE RACEWAY, PULL BOXES, SUPPORTS, ETC. ITEMS TO BE RETAINED OR RELOCATED WILL BE SHOWN OR NOTED ON THE DEMOLITION DRAWINGS OR NEW WORK DRAWINGS. VERIFY DATA REMOVAL WITH OWNER PRIOR TO COMMENCING WORK.
2. REMOVE PANEL IN ITS ENTIRETY INCLUDING BACKBOX & FEEDER. CAPTURE ACTIVE BRANCH WIRING CIRCUITS ABOVE/ BELOW PANEL AS REQUIRED FOR EXTENSION TO NEW PANEL. SEE NEW PANEL SCHEDULE FOR CIRCUIT EXTENSION INFORMATION. VERIFY ALL EXISTING CIRCUIT BREAKER SIZES PRIOR TO ORDERING PANEL.
3. ELECTRICALLY DISCONNECT AIR HANDLING UNIT FOR REMOVAL, INCLUDING WIRING AND CONDUIT BACK TO SOURCE. REMOVE ALL ASSOCIATED ELECTRICAL EQUIPMENT.
4. REMOVE GYMNASIUM REMOTE SOUND SYSTEM EQUIPMENT.
5. REMOVE DRY TYPE TRANSFORMER AND ALL ASSOCIATED FEEDERS IN THEIR ENTIRETY.
6. DISCONNECT AND REMOVE FIRE ALARM EQUIPMENT ASSOCIATED WITH DUCT & BEAM DETECTORS INCLUDING ALL WIRING.



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Renovations to:
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ISSUED FOR:

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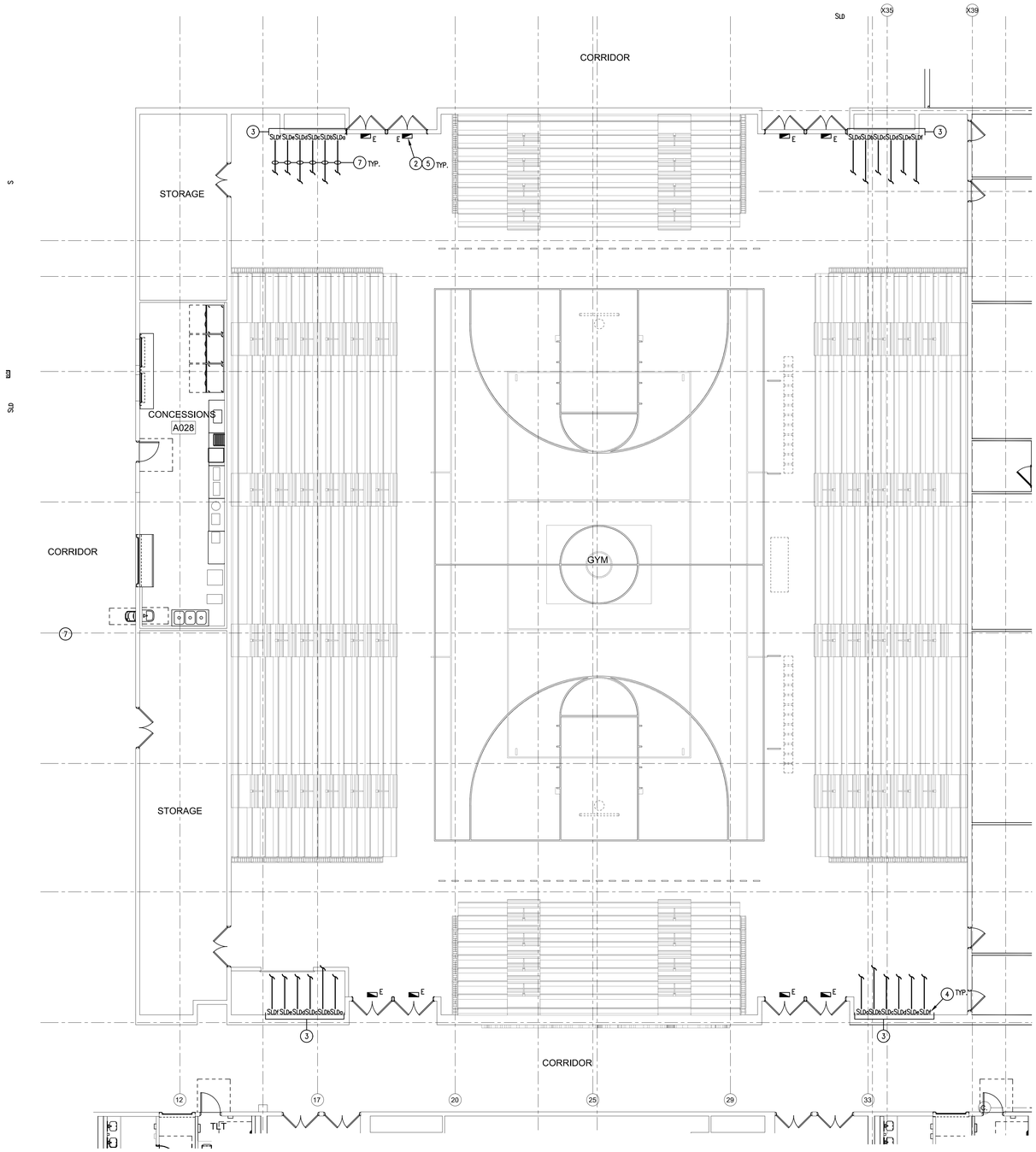
SG PROJECT NUMBER: 226082.00

Key Plan:

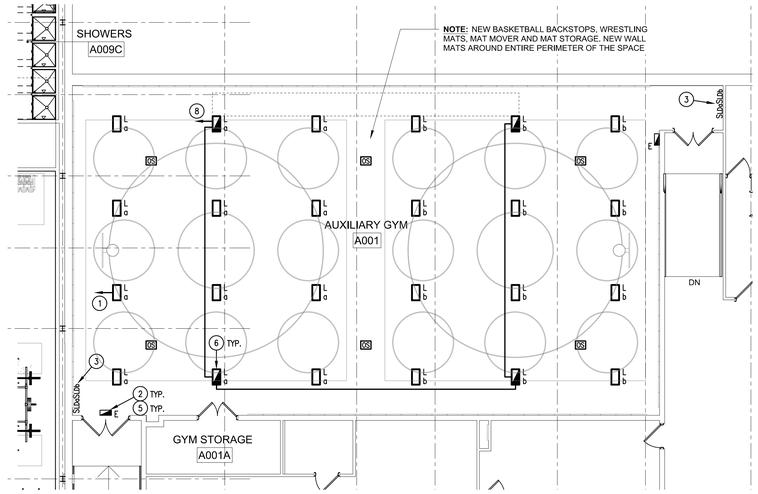


Drawing Title:
GROUND FLOOR PLAN - ELECTRICAL DEMOLITION

Drawing Number:
3-ED100



1 | E100 GROUND FLOOR PLAN - LIGHTING
SCALE: 1/8" = 1'-0"



2 | E100 GROUND FLOOR PLAN - LIGHTING
SCALE: 1/8" = 1'-0"

DRAWING NOTES:

1. CIRCUIT ALL NORMAL POWER LIGHTS TOGETHER VIA 2#12&#12G-3/4"C AND CONNECT TO SPARE 20A/1P CIRCUIT BREAKER IN EXISTING PANEL 'P2' & 'P3'. FIXTURE SHALL BE CONTROLLED VIA SPACE OCCUPANCY SENSORS AND/OR WALL SWITCH THROUGH THE BUILDING WIDE LIGHTING CONTROL SYSTEM. SEE SPECIFICATIONS. LABEL CIRCUIT BREAKER DIRECTORY CARD ACCORDINGLY.
2. CIRCUIT ALL EXIT SIGNS TOGETHER WITH 2#12W/#12GRD.-3/4"C TO EXISTING NE PANEL 'LN1'. CONNECT TO SPARE 20A-1P CIRCUIT BREAKER. LABEL CIRCUIT BREAKER DIRECTORY CARD ACCORDINGLY. FIXTURES SHALL OPERATE 24/7.
3. PROVIDE HIGH-ABUSE PROTECTIVE LOCKABLE COVER FOR LOW VOLTAGE LIGHTING SWITCH(ES).
4. LIGHT FIXTURE WIRING. SUB-LETTERS INDICATE WHICH FIXTURE(S) SWITCH CONTROLS. WIRE TO INDICATED SWITCHES WITHIN ROOM ACCORDINGLY.
5. EXIT SIGNS SHALL BE BACK OR WALL MOUNTED WHERE POSSIBLE.
6. RUN NORMAL/EMERGENCY CIRCUIT VIA UL924 LISTED RELAY TO CONTROL RELAY WITH LIGHT FIXTURES ON NORMAL POWER CIRCUIT. WIRE PER RELAY MANUFACTURER REQUIREMENTS.
7. WIRE TO TYPE 'M' AND 'M1' LIGHT FIXTURES ABOVE IN GYMNASIUM SPACE.
8. CIRCUIT NORMAL EMERGENCY LIGHT FIXTURES (TYPES M, M1 & R) TOGETHER AND CONNECT TO SPARE 20A-1P CIRCUIT BREAKER IN PANEL 'LN1' VIA 2#10&#10G-3/4"C. LABEL CIRCUIT DIRECTORY CARD ACCORDINGLY.
9. CONNECT ALL LIGHT FIXTURES WITH ALIKE SUB LETTERS VIA 2#12&#12G-3/4"C.

N
N True Project

0' 2' 4' 8' 16' 32'

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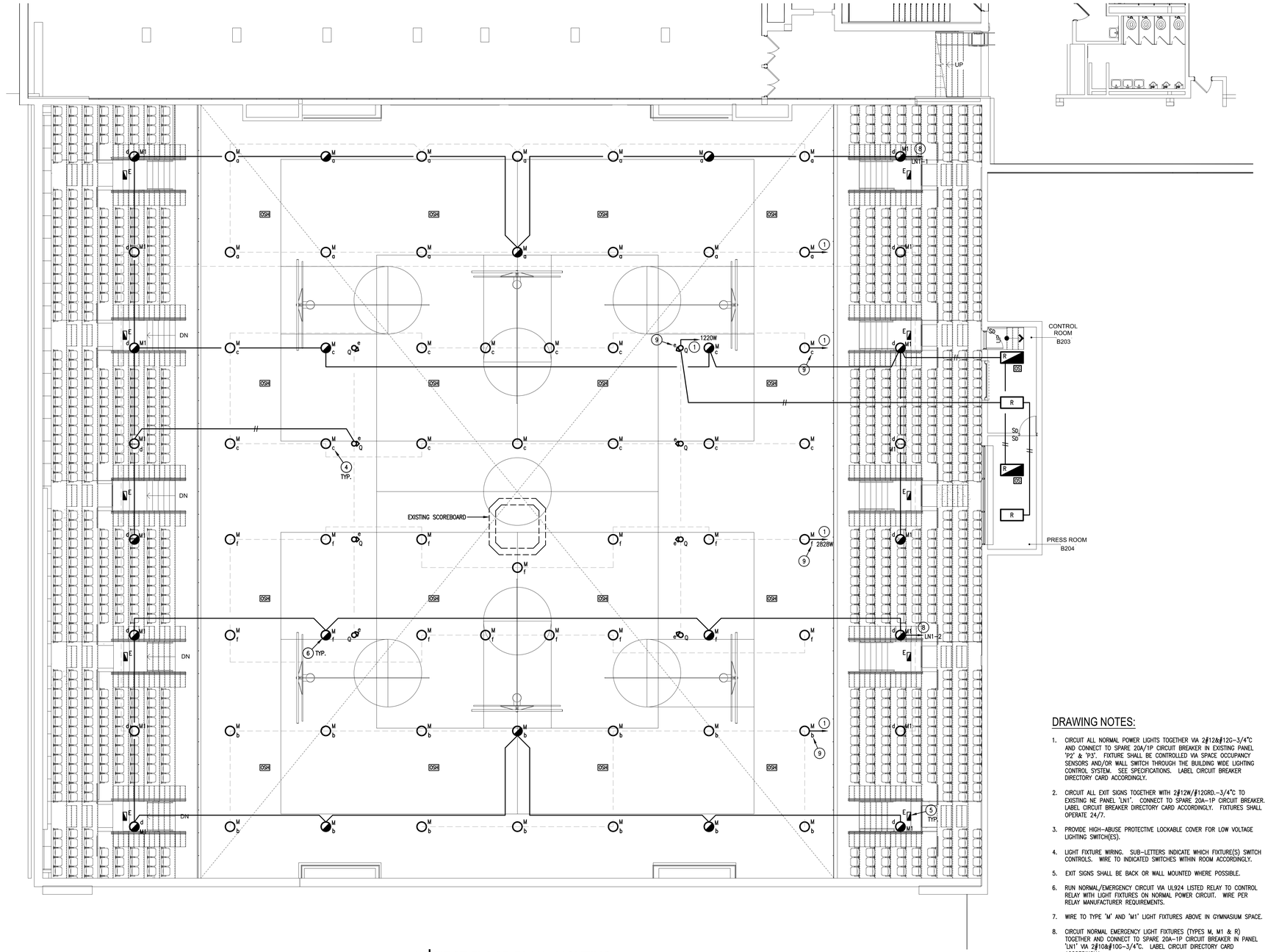
SG PROJECT NUMBER: 226082.00

Key Plan:



Drawing Title:
GROUND FLOOR PLAN - LIGHTING

Drawing Number:
3-E100



1 FIRST FLOOR PLAN - LIGHTING
E101 SCALE: 1/8" = 1'-0"

DRAWING NOTES:

1. CIRCUIT ALL NORMAL POWER LIGHTS TOGETHER VIA 2#12&#12G-3/4"C AND CONNECT TO SPARE 20A/1P CIRCUIT BREAKER IN EXISTING PANEL 'P2' & 'P3'. FIXTURE SHALL BE CONTROLLED VIA SPACE OCCUPANCY SENSORS AND/OR WALL SWITCH THROUGH THE BUILDING WIDE LIGHTING CONTROL SYSTEM. SEE SPECIFICATIONS. LABEL CIRCUIT BREAKER DIRECTORY CARD ACCORDINGLY.
2. CIRCUIT ALL EXIT SIGNS TOGETHER WITH 2#12W/#12GRD.-3/4"C TO EXISTING NE PANEL 'LN1'. CONNECT TO SPARE 20A-1P CIRCUIT BREAKER. LABEL CIRCUIT BREAKER DIRECTORY CARD ACCORDINGLY. FIXTURES SHALL OPERATE 24/7.
3. PROVIDE HIGH-ABUSE PROTECTIVE LOCKABLE COVER FOR LOW VOLTAGE LIGHTING SWITCH(ES).
4. LIGHT FIXTURE WIRING. SUB-LETTERS INDICATE WHICH FIXTURE(S) SWITCH CONTROLS. WIRE TO INDICATED SWITCHES WITHIN ROOM ACCORDINGLY.
5. EXIT SIGNS SHALL BE BACK OR WALL MOUNTED WHERE POSSIBLE.
6. RUN NORMAL/EMERGENCY CIRCUIT VIA UL924 LISTED RELAY TO CONTROL RELAY WITH LIGHT FIXTURES ON NORMAL POWER CIRCUIT. WIRE PER RELAY MANUFACTURER REQUIREMENTS.
7. WIRE TO TYPE 'M' AND 'M1' LIGHT FIXTURES ABOVE IN GYMNASIUM SPACE.
8. CIRCUIT NORMAL EMERGENCY LIGHT FIXTURES (TYPES M, M1 & R) TOGETHER AND CONNECT TO SPARE 20A-1P CIRCUIT BREAKER IN PANEL 'LN1' VIA 2#10&#10G-3/4"C. LABEL CIRCUIT DIRECTORY CARD ACCORDINGLY.
9. CONNECT ALL LIGHT FIXTURES WITH ALIKE SUB LETTERS VIA 2#12&#12G-3/4"C.

N
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Project
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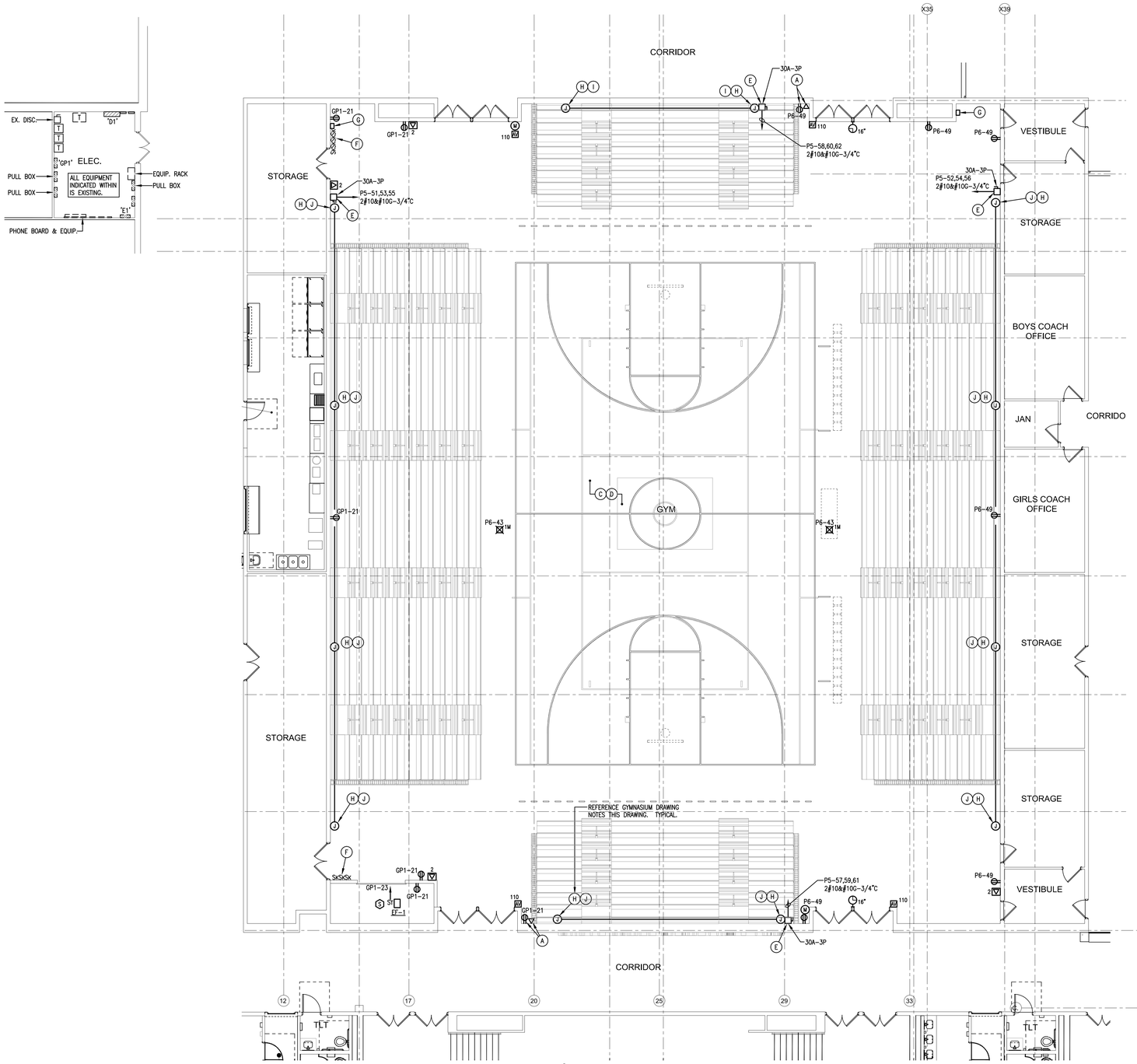
SG PROJECT NUMBER: 226082.00

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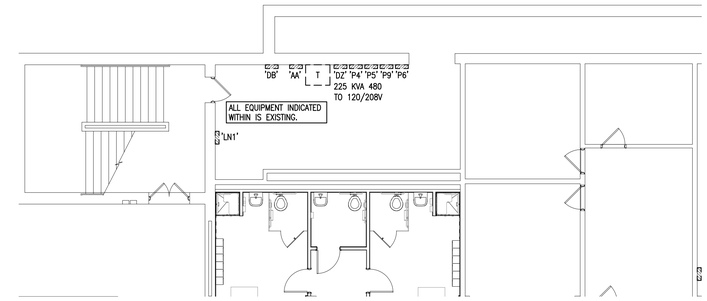


Drawing Title:
FIRST FLOOR PLAN - LIGHTING

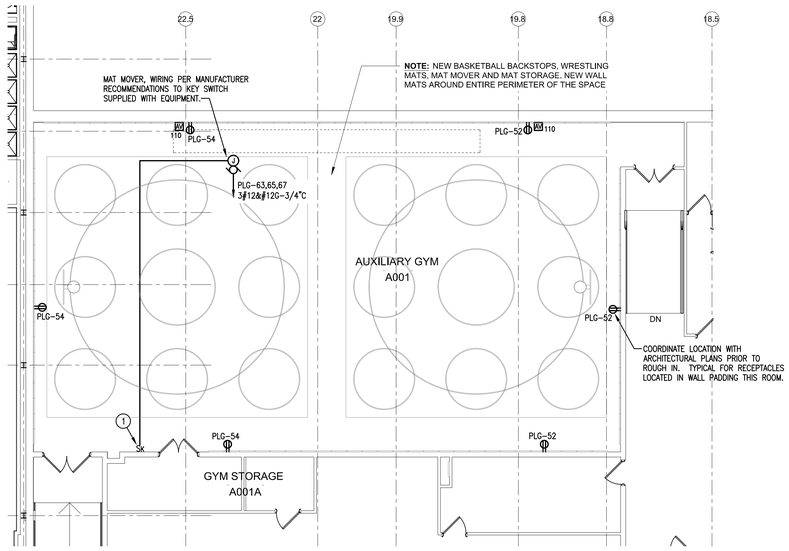
Drawing Number:
3-E101



1 GROUND FLOOR PLAN - POWER (6)
3-E200 SCALE: 1/8" = 1'-0"



3 GROUND FLOOR PLAN - POWER
3-E200 SCALE: 1/8" = 1'-0"



2 GROUND FLOOR PLAN - POWER (6)
3-E200 SCALE: 1/8" = 1'-0"

GYMNASIUM DRAWING NOTES:

A. MOUNT ON WALL ADJACENT TO SCOREBOARD. VERIFY EXACT LOCATION AND HEIGHT WITH MANUFACTURER. PROVIDE FINAL CONNECTION TO SCOREBOARD. PROVIDE CORD & PLUG AS REQUIRED.

B. E.C. SHALL PROVIDE 4" SQUARE BOX WITHIN 36" OF WINCH LOCATION. TWIST-LOCK RECEPTACLE FURNISHED BY EQUIPMENT MANUFACTURER. E.C. SHALL INSTALL RECEPTACLE AND MAKE FINAL CONNECTION. TYP. OF 7.

C. COORDINATE EXACT LOCATIONS OF RECEPTACLES / DEVICES WITH ARCHITECT TO MINIMIZE CUTTING WALL PADDING. CUT WALL PADDING WHERE NECESSARY TO PLACE DEVICE.

D. PROVIDE PROTECTIVE GUARDS FOR ALL FIRE ALARM DEVICES, CLOCKS AND WIRELESS ACCESS POINTS IN THIS SPACE.

E. BLEACHER DISCONNECT SWITCH, MOUNT IN ACCESSIBLE LOCATION AND COORDINATE WITH OWNER. LOCATE TO MEET N.E.C. CLEARANCE REQUIREMENTS. COORDINATE WITH BLEACHER MANUFACTURER POWER REQUIREMENTS PRIOR TO WIRING. FOR BIDDING PURPOSES PLAN ON A 20A-3P BREAKER IN PANEL P5 WITH 3#10&#10G-3/4"C FROM BLEACHER DISCONNECT TO PANEL P5.

F. KEY SWITCHES, PROVIDE FLUSH OUTLET BOX FOR THE SWITCHES, SIZED PER MANUFACTURER REQUIREMENTS. E.C. SHALL VERIFY EXACT LOCATION OF SWITCHES WITH OWNER/ MANUFACTURER PRIOR TO ROUGH-IN. RUN WIRING (QUANTITY AND SIZE) PER MANUFACTURER REQUIREMENTS IN 3/4" CONDUIT UP TO RECEPTACLES AND MAKE FINAL CONNECTIONS. PROVIDE PROTECTIVE COVER FOR KEY SWITCHES.

G. SOUND SYSTEM REMOTE VOLUME STATION AND ON/ OFF SWITCH. LOCATE CLOSE TO COACHES ENTRANCE.

H. PROVIDE JUNCTION BOX 5' AFF, SIZE AS REQUIRED BY MANUFACTURER FOR MOTORIZED BLEACHERS. FIELD VERIFY EXACT ROUGH-IN LOCATION WITH BLEACHER MANUFACTURER. E.C. SHALL PROVIDE WIRE PER MANUFACTURER AND MAKE FINAL CONNECTION.

I. NOT USED

J. CONNECT TO BLEACHER MOTORS. COORDINATE QUANTITIES AND LOCATIONS WITH BLEACHER SUPPLIER.

K. PROVIDE AUXILIARY INPUT IN RACK IN PRESSBOX FOR CONNECTION FROM PHONE OR OTHER MUSIC DEVICE. HAVE AUDIO INPUT FOR VIDEO SCOREBOARD. PROVIDE BLUETOOTH CONNECTION AND WIRELESS MICROPHONE SET IN PRESSBOX.

L. INSTALL FLOOR BOX FLUSH WITH FLOOR. FLOOR IS SLAB ON GRADE TRENCH OVER TO WALL AND RUN CONDUITS TO ABOVE ACCESSIBLE NEARBY CEILING.

DRAWING NOTES:

1. PROVIDE 4" SQUARE X 3 1/2" DEEP MASONRY BOX, INSTALL KEY SWITCH FURNISHED WITH EQUIPMENT AND PROVIDE ALL REQUIRED WIRING IN 3/4" CONDUIT FROM KEY SWITCH TO MAT MOVER CONTROL PANEL AS PER MANUFACTURER RECOMMENDATIONS. LABEL COVER PLATE AND VERIFY EXACT MOUNTING LOCATION WITH OWNER AND ARCHITECT PRIOR TO ROUGH-IN. LOCATE SWITCH WITHIN CLEAR VIEW OF HOISTING OPERATIONS AND NOT BENEATH EQUIPMENT.
2. CIRCUIT ALL RECEPTACLES/ DEVICES WITHIN ROOM TO CIRCUIT INDICATED IN "BOX" OR ADJACENT DEVICE VIA 2#12&#12G-3/4"C UNO.
3. NOT USED
4. FUTURE WIRELESS ACCESS POINT, INSTALL JUNCTION BOX AT EXPOSED TRUSS'S ACCESSIBLE WITH LADDER FROM LANDING BELOW. PROVIDE CONDUIT WITH PULL STRING DOWN TO ABOVE ACCESSIBLE CEILING OF SHORT EXIT CORRIDOR.
5. FUTURE WIRELESS ACCESS POINT, INSTALL JUNCTION BOX AT EXPOSED TRUSS'S. PROVIDE CONDUIT WITH PULL STRING DOWN TO ABOVE ACCESSIBLE CEILING OF CORRIDOR.
6. TEMPORARILY REMOVE CAMERA'S/ CAT6 DROPS/ WIRELESS ACCESS POINTS WITHIN CONSTRUCTION AREA. REINSTALL AT APPROPRIATE POINT.
7. COORDINATE EXACT LOCATION OF DEVICES ASSOCIATED WITH SOUND RACKS WITH OWNER PRIOR TO ROUGH-IN.
8. PROVIDE 20A-1P CIRCUIT BREAKER IN EXISTING PANEL 'PN2' AND CONNECT VIA 2#12&#12G-3/4"C. LABEL CIRCUIT BREAKER DIRECTORY CARD ACCORDINGLY.

N
True Project

0' 2' 4' 8' 16' 32'

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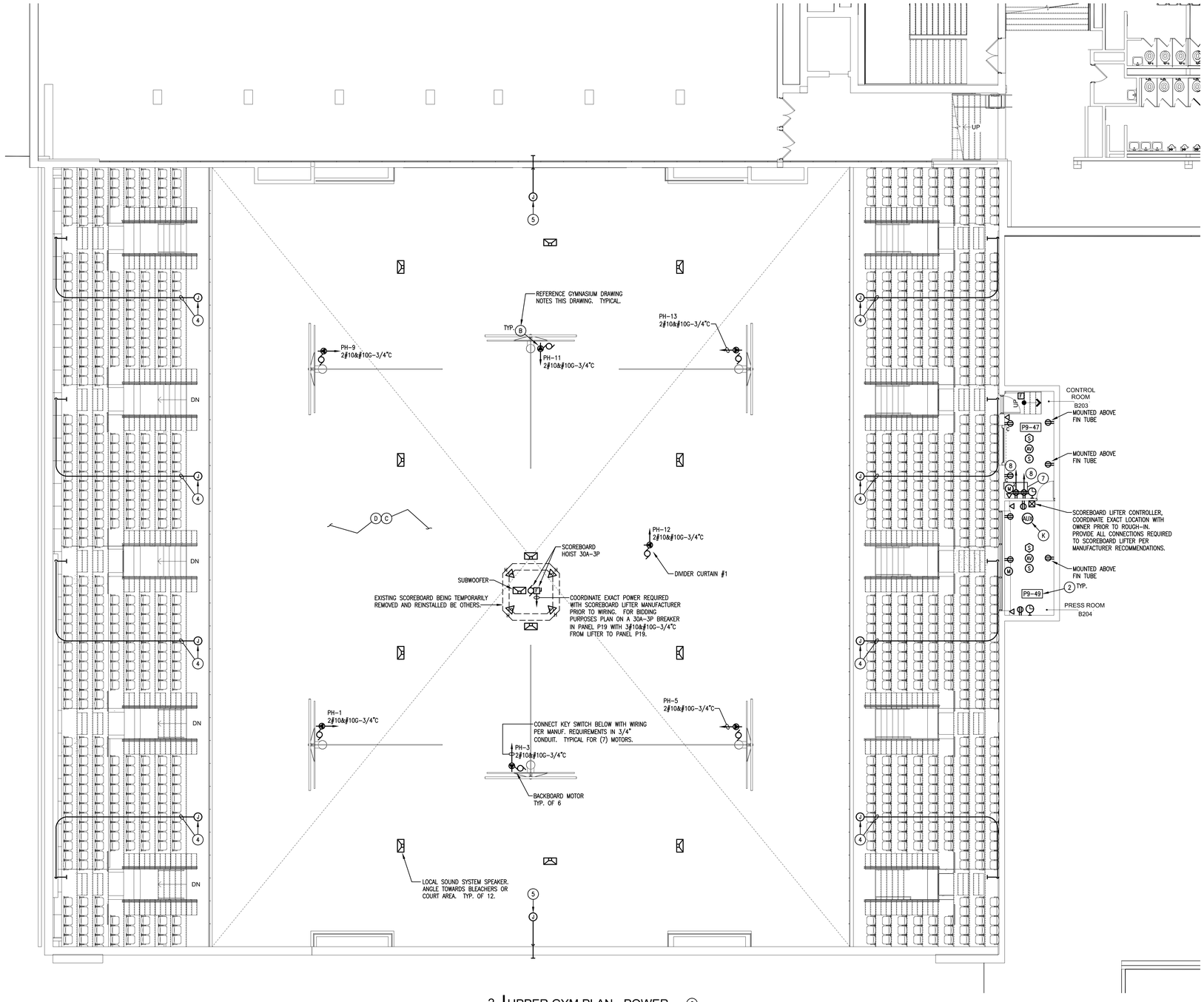
SG PROJECT NUMBER: 226082.00

Key Plan:



Drawing Title:
GROUND FLOOR PLAN - POWER

Drawing Number:
3-E200



2 UPPER GYM PLAN - POWER (6)

3-E201 SCALE: 1/8" = 1'-0"

GYMNASIUM DRAWING NOTES:

A. MOUNT ON WALL ADJACENT TO SCOREBOARD. VERIFY EXACT LOCATION AND HEIGHT WITH MANUFACTURER. PROVIDE FINAL CONNECTION TO SCOREBOARD. PROVIDE CORD & PLUG AS REQUIRED.

B. E.C. SHALL PROVIDE 4" SQUARE BOX WITHIN 36" OF WINCH LOCATION. TWIST-LOCK RECEPTACLE FURNISHED BY EQUIPMENT MANUFACTURER. E.C. SHALL INSTALL RECEPTACLE AND MAKE FINAL CONNECTION. TYP. OF 7.

C. COORDINATE EXACT LOCATIONS OF RECEPTACLES / DEVICES WITH ARCHITECT TO MINIMIZE CUTTING WALL PADDING. CUT WALL PADDING WHERE NECESSARY TO PLACE DEVICE.

D. PROVIDE PROTECTIVE GUARDS FOR ALL FIRE ALARM DEVICES, CLOCKS AND WIRELESS ACCESS POINTS IN THIS SPACE.

E. BLEACHER DISCONNECT SWITCH, MOUNT IN ACCESSIBLE LOCATION AND COORDINATE WITH OWNER. LOCATE TO MEET N.E.C. CLEARANCE REQUIREMENTS. COORDINATE WITH BLEACHER MANUFACTURER POWER REQUIREMENTS PRIOR TO WIRING. FOR BIDDING PURPOSES PLAN ON A 20A-3P BREAKER IN PANEL P5 WITH 3#10&#10G-3/4"C FROM BLEACHER DISCONNECT TO PANEL P5.

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G. SOUND SYSTEM REMOTE VOLUME STATION AND ON/ OFF SWITCH. LOCATE CLOSE TO COACHES ENTRANCE.

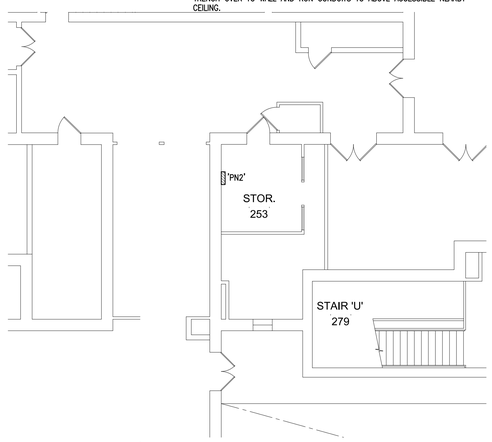
H. PROVIDE JUNCTION BOX 5' AFF, SIZE AS REQUIRED BY MANUFACTURER FOR MOTORIZED BLEACHERS. FIELD VERIFY EXACT ROUGH-IN LOCATION WITH BLEACHER MANUFACTURER. E.C. SHALL PROVIDE WIRE PER MANUFACTURER AND MAKE FINAL CONNECTION.

I. NOT USED

J. CONNECT TO BLEACHER MOTORS. COORDINATE QUANTITIES AND LOCATIONS WITH BLEACHER SUPPLIER.

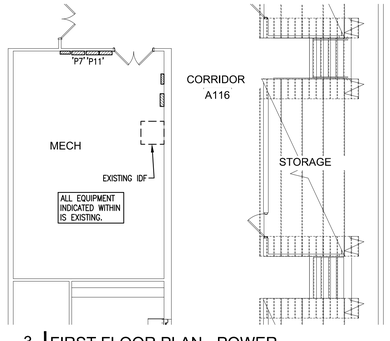
K. PROVIDE AUXILIARY INPUT IN RACK IN PRESSBOX FOR CONNECTION FROM PHONE OR OTHER MUSIC DEVICE. HAVE AUDIO INPUT FOR VIDEO SCOREBOARD. PROVIDE BLUETOOTH CONNECTION AND WIRELESS MICROPHONE SET IN PRESSBOX.

L. INSTALL FLOOR BOX FLUSH WITH FLOOR. FLOOR IS SLAB ON GRADE TRENCH OVER TO WALL AND RUN CONDUITS TO ABOVE ACCESSIBLE NEARBY CEILING.



4 SECOND FLOOR PLAN - POWER

3-E201 SCALE: 1/8" = 1'-0"

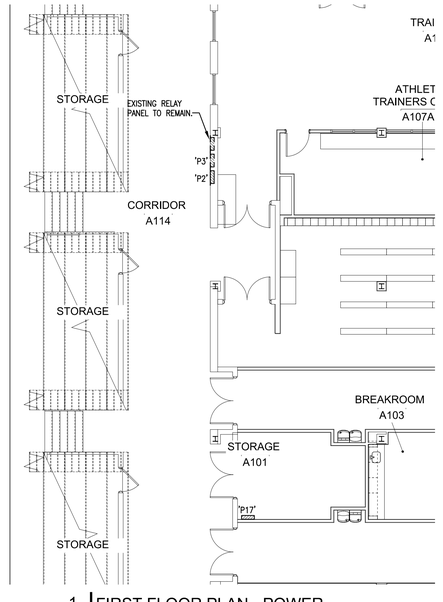


3 FIRST FLOOR PLAN - POWER

3-E201 SCALE: 1/8" = 1'-0"

DRAWING NOTES:

1. PROVIDE 4" SQUARE X 3 1/2" DEEP MASONRY BOX, INSTALL KEY SWITCH FURNISHED WITH EQUIPMENT AND PROVIDE ALL REQUIRED WIRING IN 3/4" CONDUIT FROM KEY SWITCH TO MAT MOWER CONTROL PANEL AS PER MANUFACTURER RECOMMENDATIONS. LABEL COVER PLATE AND VERIFY EXACT MOUNTING LOCATION WITH OWNER AND ARCHITECT PRIOR TO ROUGH-IN. LOCATE SWITCH WITHIN CLEAR VIEW OF HOISTING OPERATIONS AND NOT BENEATH EQUIPMENT.
2. CIRCUIT ALL RECEPTACLES/ DEVICES WITHIN ROOM TO CIRCUIT INDICATED IN "BOX" OR ADJACENT DEVICE VIA 2#12&#12G-3/4"C UNO.
3. NOT USED
4. FUTURE WIRELESS ACCESS POINT, INSTALL JUNCTION BOX AT EXPOSED TRUSS'S ACCESSIBLE WITH LADDER FROM LANDING BELOW. PROVIDE CONDUIT WITH PULL STRING DOWN TO ABOVE ACCESSIBLE CEILING OF SHORT EXIT CORRIDOR.
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7. COORDINATE EXACT LOCATION OF DEVICES ASSOCIATED WITH SOUND RACKS WITH OWNER PRIOR TO ROUGH-IN.
8. PROVIDE 20A-1P CIRCUIT BREAKER IN EXISTING PANEL 'PN2' AND CONNECT VIA 2#12&#12G-3/4"C. LABEL CIRCUIT BREAKER DIRECTORY CARD ACCORDINGLY.



1 FIRST FLOOR PLAN - POWER

3-E201 SCALE: 1/8" = 1'-0"

N
True
Project
0' 2' 4' 8' 16' 32'

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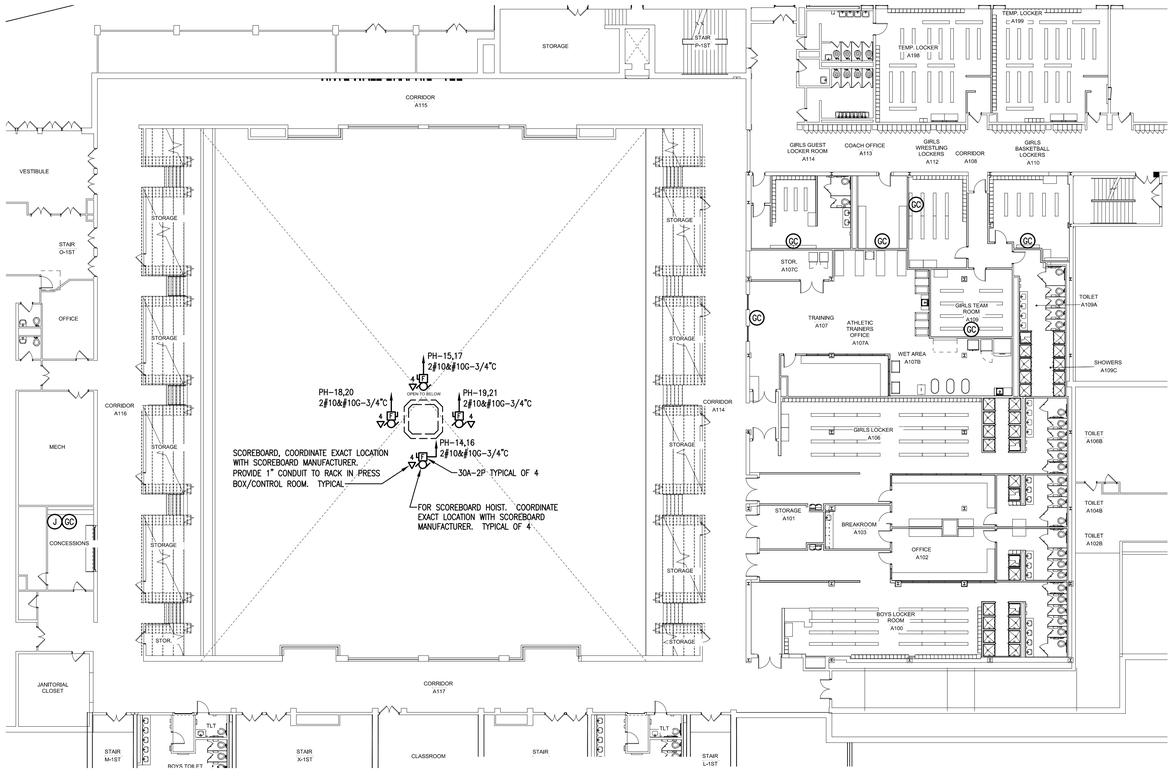
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Key Plan:



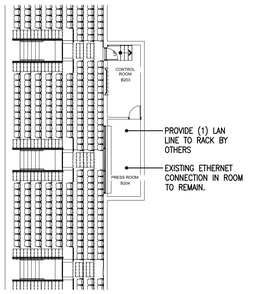
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FIRST FLOOR PLAN - POWER

Drawing Number:
3-E201



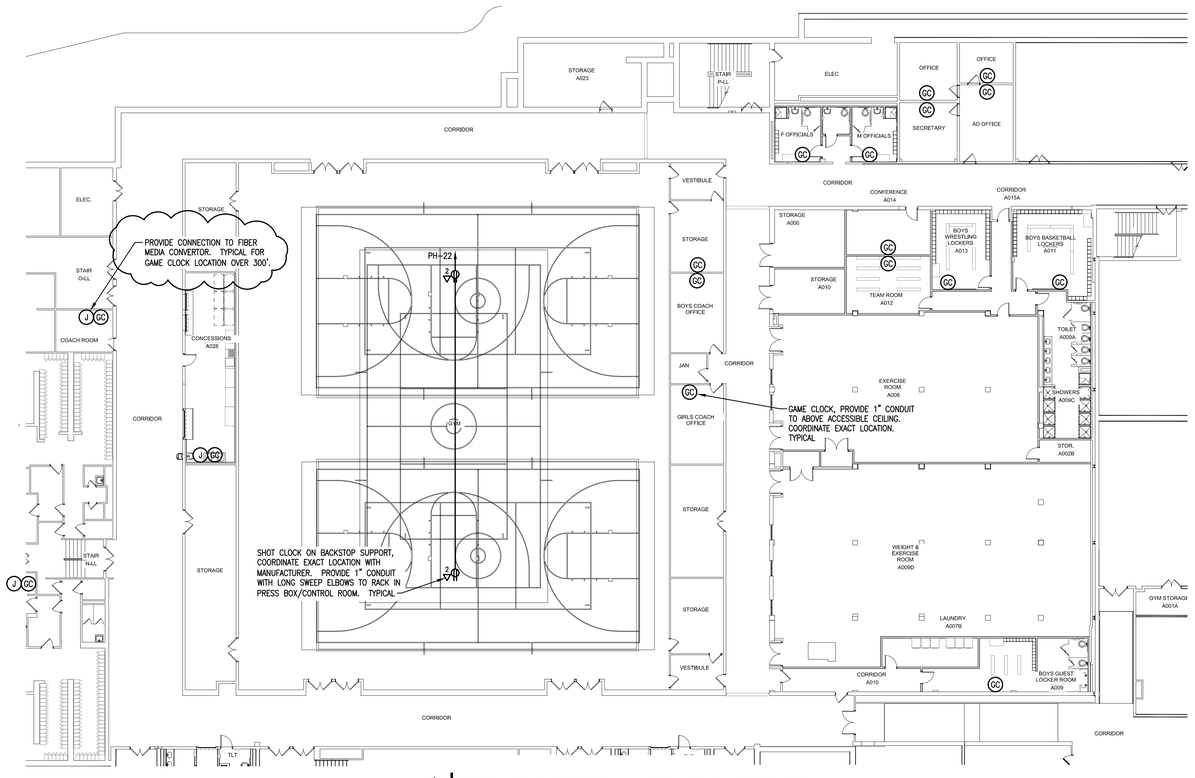
2 FIRST FLOOR PLAN - POWER ALTERNATE

3-E202 SCALE: 1/16" = 1'-0"



PRESS BOX

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



1 GROUND FLOOR PLAN - POWER ALTERNATE

3-E202 SCALE: 1/16" = 1'-0"

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READING, PA 19604

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NO.	DESCRIPTION	DATE
	ISSUED FOR BIDDING	11/13/2026

DATE: 11/13/2026

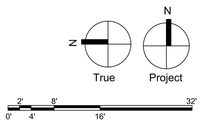
SG PROJECT NUMBER: 226082.00

Key Plan:

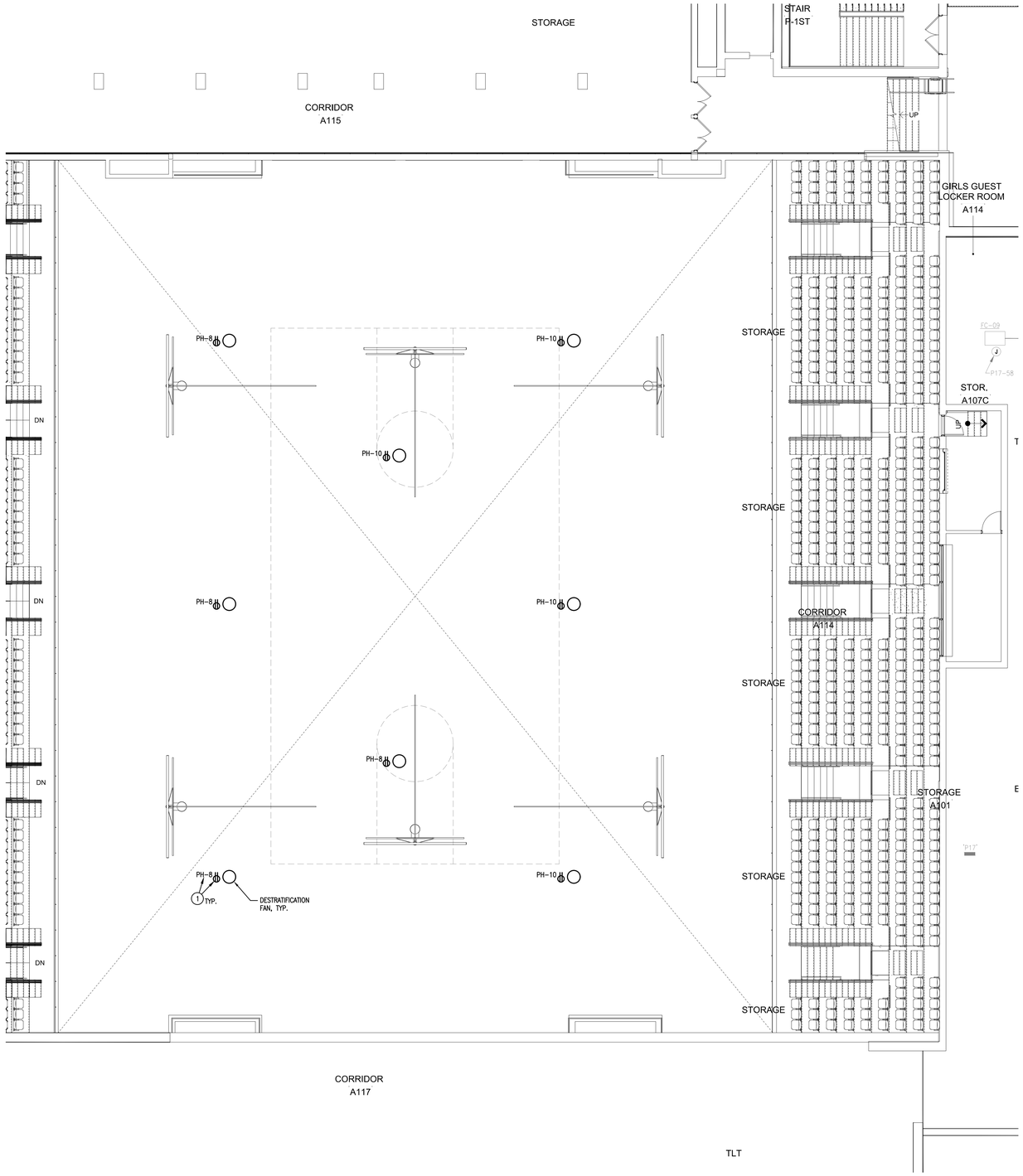


Drawing Title:
GROUND & FIRST FLOOR PLAN - POWER ALTERNATE

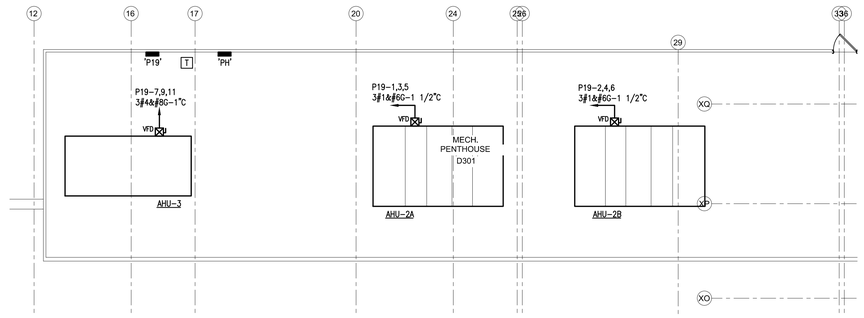
Drawing Number:
3-E202



ISSUED FOR BIDDING



1 FIRST FLOOR PLAN - MECHANICAL WIRING
3-E300 SCALE: 1/8" = 1'-0"



2 PENTHOUSE PLAN - MECHANICAL WIRING
3-E300 SCALE: 1/8" = 1'-0"

DRAWING NOTES:

1. PROVIDE DUPLEX RECEPTACLE ADJACENT TO DESTRATIFICATION FAN. MOUNT DEVICE VERTICAL TO ENSURE SECURE PLUG CONNECTION. COORDINATE EXACT LOCATION WITH H.C. CONNECT TO ADJACENT CIRCUIT INDICATED VIA 2#12&#12G-3/4"C.

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Professional Seal:

Owner:
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READING, PA 19601

Renovations to:
READING HIGH SCHOOL - ATHLETICS FACILITY (PHASE 3)
801 NORTH 13TH STREET
READING, PA 19604

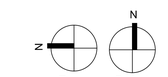
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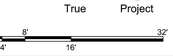
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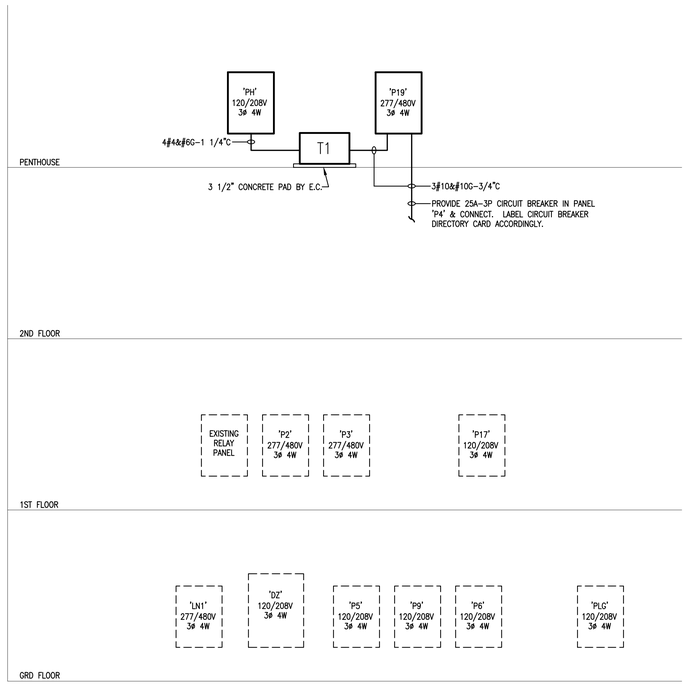
Drawing Title:
GROUND & FIRST FLOOR PLAN - EQUIPMENT WIRING

Drawing Number:
3-E300





ISSUED FOR BIDDING



1 | E400 PARTIAL POWER RISER DIAGRAM

SCALE: NONE

HIGH EFFICIENCY TRANSFORMER SCHEDULE: (REFER TO SPECIFICATIONS)

T1. 15 KVA, 480V, 3ø, 3 WIRE, DELTA PRIMARY, 120/208V, 3ø, 4 WIRE, WYE SECONDARY. FLOOR MOUNTED.

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 DEVCES 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.

LIGHTING FIXTURE SCHEDULE

THE APPROVED SUBSTITUTES ARE APPROVED AS MANUFACTURERS ONLY. FIXTURES MUST MEET DRAWING AND SPECIFICATION REQUIREMENTS

TYPE	MANUFACTURER	CATALOG NUMBER	WATTS	VOLTS	MOUNTING	APPROVED SUBSTITUTES			REMARKS
A	LITHONIA	CPXIP 2X2 4000LMHE 80CRI 35K PCSWM MIN10 MVOLT	32.4	120/277	RECESSED	COLUMBIA	METALUX	ELITE	
B	LUMINAIRE	VRDL6 ZT 1500LM MD 35K 80CRI MVOLT CPL AMF	18.8	120/277	RECESSED	FAIL-SAFE	VANTAGE	WILLIAMS	
C	METALUX	4RBG6 75D L835	28	120/277	RECESSED	LITHONIA	COLUMBIA	ELITE	
D	LITHONIA	LDN4 35 15 L04 AR LSS TRW MVOLT GZ10	17.5	120/277	RECESSED	INTENSE	GOTHAM	SOLERA	
E	LITHONIA	LV S AB 1 R UM	2.2	120/277	UNIVERSAL	SURE-LITES	EMERGI-LITE	CHLORIDE	NOTE 1
F	LITHONIA	CPX 2X2 3200LMHE 80CRI 35K SWL MIN10 MVOLT	34.8	120/277	RECESSED	COLUMBIA	METALUX	ELITE	
G	LITHONIA	CLX L48 3000LM SEF FDL WD MVOLT 35K 80CRI	31.8	120/277	SURFACE/PENDANT	COLUMBIA	METALUX	ELITE	
H	OWNER SUPPLIED	(36) TOTAL VANDAL RESISTANT FLAT PANELS 2x2	32	120/277	RECESSED	-	-	-	
J	WILLIAMS	V50 G S 2 2 L58 8 35 F VLF DIM UNV	X	120/277	RECESSED	LITHONIA	METALUX	ELITE	
K	GOTHAM	EVOBVR 35/ 20 AR LSS MD PPC 277 GZ10	X	120/277	RECESSED	-	-	-	
L	LITHONIA	CPHB 9000LM HEF GCL MD MVOLT GZ10 40K 80CRI WGK	55	120/277	PENDANT	RAB (RAL 90)	ATLAS (ILHS 2 9L)	-	NOTE 2
M	HOLOPHANE	HOL02 45000LM MDFR MVOLT 40K 80CRI UPL	317	120/277	PENDANT	-	-	-	NOTE 2
M1	HOLOPHANE	HOL01 12000LM MDFR MVOLT 40K 80CRI UPL	70	120/277	PENDANT	-	-	-	NOTE 2
N	ABSOLUME	LM-LF-6X4 80 35K	30	120/277	RECESSED	COLUMBIA	METALUX	ELITE	-
P	XENALL	HSES022 50L35K DV 2F 2H	50	120/277	SURFACE	LITHONIA	CERTOLUX	FAILSAFE	
Q	PARAFLEX	PFX 2500 100W 40K V1 70x130 P/N#2504	100	120/277	U-BRACKET	-	-	-	NOTE 2
R	LITHONIA	CPX 2X4 4000LMHE 80CRI 35K SWL MIN10 MVOLT	37	120/277	RECESSED	COLUMBIA	METALUX	ELITE	-

LIGHTING FIXTURE SCHEDULE NOTES:

- PROVIDE LIGHTING CONTROLS AS SPECIFIED IN 262726 "WIRING DEVICES"
- ALL FIXTURES SHALL BE PROVIDED WITH NEC APPROVED BALLAST/DRIVER DISCONNECT PLUGS.
- ALL FIXTURES SHALL BE PROVIDED WITH 0-10V DIMMING DRIVERS. WHERE A FIXTURE IS NOT INDICATED TO BE CONNECTED TO A DIMMER, CONTRACTOR SHALL LEAVE THE 0-10V SENSING WIRES DISCONNECTED ALLOWING FOR 100% SWITCHED OPERATION.

1. VERIFY MOUNTING CONFIGURATION AND DIRECTIONAL ARROWS.
2. PROVIDE SAFETY HOOK, SAFETY CHAIN AND PENDANT. E.C. SHALL PROVIDE RECEPTACLE TO ACCEPT LIGHT FIXTURE CORD & PLUG.

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.
	– LIGHTING FIXTURE – NORMAL AND EMERGENCY POWER.
	– LIGHTING FIXTURE.
	– EXIT LIGHTING FIXTURE – NORMAL AND EMERGENCY POWER – ARROW(S) INDICATE DIRECTIONAL MARKERS.

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.
SOSS	– OCCUPANCY SENSING SINGLE POLE DIMMER LIGHT SWITCH – MOUNT 46" AFF.
OS	– LOW VOLTAGE WITH ROOM CONTROLLER, CEILING/WALL MOUNTED OCCUPANCY SENSING UNIT. VERIFY LOCATION OF SENSOR WITH MANUFACTURER PRIOR TO INSTALLATION.

RECEPTACLES

SYMBOL	DESCRIPTION
	– DUPLEX RECEPTACLE – 20 AMP – 120 VOLT 18" AFF.
SHR	– SHUTTERED RECEPTACLE 20 AMP 120 VOLT 18" AFF.
EWC	– ELECTRIC WATER COOLER RECEPTACLE – TYPE PER MANUFACTURER'S RECOMMENDATIONS – COORDINATE HEIGHT WITH EWC.
GF	– GROUND FAULT RECEPTACLE – INDIVIDUAL TYPE – 18" ABOVE FINISHED FLOOR.
WP	– DUPLEX RECEPTACLE (WITH 'WR' LABEL) WITH WEATHER PROOF COVER – FLUSH – 18" AFF.
	– 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.)
M1	– FLOOR OUTLET – UNO, PROVIDE – ~~WIREMOLD RFDA-6 SERIES~~ W/ ROUND COVER. PROVIDE FINISH PER ARCHITECT DIRECTION. PROVIDE W/ LOWEST PROFILE COVER. PROVIDE (2) DUPLEX RECEPTACLES, DATA JACK, MICROPHONE JACK, 1" CONDUIT TO VIDEO SCOREBOARD AND SPARE CONDUIT TO PRESS BOX INDICATED. PROVIDE (1) SPARE 1" CONDUIT FROM EACH SPARE GANG BOX TO ABOVE CEILING OF ADJACENT STORAGE ROOM. PROVIDE 'OG' VERSION ON GRADE.

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.
	– PANELBOARD.
	– EXISTING PANELBOARD.
ST	– THERMAL SWITCH MANUAL STARTER WITH THERMAL PROTECTION AND HAND/AUTO SWITCH TO ALLOW STARTER CONTROL FROM REMOTE SOURCE. HAND/AUTO SWITCH ONLY REQUIRED FOR RE-CIRCULATING PUMPS. SQUARE D CLASS 2510 SERIES WITH HANDLE GUARD/LOCK OFF ATTACHMENT MOUNT ON OR ADJACENT TO EQUIPMENT.
STP	– THERMAL SWITCH (MANUAL STARTER WITH THERMAL PROTECTION) SQUARE D CLASS 2510 SERIES WITH HANDLE GUARD/LOCK OFF ATTACHMENT AND PILOT LIGHT – FLUSH MOUNTED – MOUNT ON OR ADJACENT TO EQUIPMENT.
ST2	– THERMAL SWITCH (MANUAL STARTER) LEVITON CAT. NO. N1302 DOUBLE POLE, SINGLE THROW 30A-208V-1ø WITH A LOCK OFF ATTACHMENT IN A NEMA 1 ENCLOSURE. (SIMILAR SQUARE D) – MOUNT ON OR ADJACENT TO EQUIPMENT.
ST3	– THERMAL SWITCH (MANUAL STARTER) SQUARE D CLASS 2510 SERIES THREE POLE, THREE PHASE 30A-208V-3ø WITH A LOCK OFF ATTACHMENT IN A NEMA 1 ENCLOSURE. – MOUNT ON OR ADJACENT TO EQUIPMENT.
T	– TRANSFORMER – SIZE AS INDICATED – SEE DRAWING AND SPECIFICATION.
	– NON-FUSED DISCONNECT SWITCH – SIZE AND TYPE INDICATED.
F	– FUSED DISCONNECT SWITCH – SIZE AND TYPE INDICATED (PROVIDE FUSES AS PER EQUIPMENT MANUFACTURERS REQUIREMENTS).
	– COMBINATION STARTER/DISCONNECT SWITCH – SIZE 1 U.N.O. – FURNISHED BY E.C. UNO, INSTALLED BY E.C. – 60" TO HANDLE.
HD	– HAND DRYER – COORDINATE WITH G.C.
VFD	– VARIABLE FREQUENCY DRIVE – FURNISHED BY OTHERS. INSTALL DRIVE AND PROVIDE FINAL CONNECTIONS.

FIRE ALARM SYSTEM

SYMBOL	DESCRIPTION
A	– FIRE ALARM AUDIO UNIT – (FLUSH CEILING).
V	– FIRE ALARM VISUAL UNIT PROVIDE 15 CD UNLESS NUMBER BESIDE. PROVIDE THIS RATING.
AV	– COMBINATION FIRE ALARM AUDIO/ VISUAL UNIT CEILING MOUNT. PROVIDE 15 CD UNLESS NUMBER BESIDE. PROVIDE THIS RATING.
F	– FIRE ALARM PULL STATION – 42" ABOVE FINISHED FLOOR TO THE HANDLE.
30 V	– FIRE ALARM VISUAL UNIT-80"AFF OR 6" BELOW FIN. CEILING (WHICHEVER IS LOWEST) TO BOTTOM OF BOX, UNLESS NOTED OTHERWISE. NUMBER BESIDE UNIT INDICATES CANDELA RATING OTHER THAN 15.
H	– HEAT DETECTOR.
S	– SMOKE DETECTOR.
SD	– SMOKE DAMPER (24V) – BY OTHERS – PROVIDE DUCT MOUNTED SMOKE DETECTOR; CONNECT TO FIRE ALARM SYSTEM. ENSURE BATTERY CALC'S INCLUDE DAMPER. VERIFY VOLTAGE WITH DIVISION 23 TO ENSURE SUFFICIENT POWER SUPPLIES ARE PROVIDED.

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.
TV	– TELEVISION OUTLET FLUSH WALL MOUNTED 3 1/2" DEEP BOX WITH COVERPLATE AND 1" CONDUIT TO ACCESSIBLE CEILING PLENUM – 18" AFF UNO.
H	– CLOCK SYSTEM CLOCK. PROVIDE REQUIRED FLUSH JUNCTION BOXES PER OWNER REQUIREMENTS IN WALL FOR FUTURE SURFACE MOUNTED CLOCK BY OTHERS. PROVIDE 1" CONDUIT TO ABOVE ACCESSIBLE CEILING.
S S	– SOUND SYSTEM SPEAKER, REINSTALL SPEAKER SALVAGED FROM DEMOLITION THIS PROJECT. CONNECT TO EXISTING PA SYSTEM ACCORDINGLY..

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.
NE	NORMAL/ EMERGENCY LIGHTING CIRCUIT.
	INDICATES VERTICAL RUN OF SURFACE RACEWAY TO ACCESSIBLE CEILING PLENUM.
1	INDICATES DRAWING NOTE NUMBER.

ABBREVIATIONS

DESCRIPTION		
CCP	–	COOLING CONDENSATE PUMP – BY OTHERS. PROVIDE FINAL CONNECTIONS.
AFF	–	ABOVE FINISHED FLOOR
AFG	–	ABOVE FINISHED GRADE
CH	–	CABINET HEATER – BY OTHERS. PROVIDE FINAL CONNECTIONS.
RTU	–	ROOFTOP AIR HANDLING UNIT – BY OTHERS. PROVIDE FINAL CONNECTIONS.
EF	–	EXHAUST FAN – BY OTHERS. PROVIDE FINAL CONNECTIONS.
EN	–	EXISTING LOCATION – NEW DEVICE AND COVERPLATE
ER	–	EXISTING ITEM TO BE REMOVED
ERL	–	EXISTING ITEM TO BE RELOCATED
DBF	–	DRYER BOOSTER FAN – BY OTHERS. PROVIDE FINAL CONNECTIONS.
EX	–	EXISTING ITEM TO REMAIN
UNO	–	UNLESS NOTED OTHERWISE
FC	–	FAN COIL UNIT – BY OTHERS. PROVIDE FINAL CONNECTIONS.
UV	–	UNIT VENTILATOR – BY OTHERS. PROVIDE FINAL CONNECTIONS.
CU	–	AIR COOLED HEAT PUMP UNIT – BY OTHERS. PROVIDE FINAL CONNECTIONS.
PAH	–	PACKAGED AIR HANDLING UNIT – BY OTHERS. PROVIDE FINAL CONNECTIONS.
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.

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Renovations to:
READING HIGH SCHOOL - ATHLETICS FACILITY (PHASE 3)
801 NORTH 13TH STREET
READING, PA 19604

ISSUED FOR:

NO.	DESCRIPTION	DATE
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DATE: 11/13/2026

SG PROJECT NUMBER: 226082.00

Key Plan:



Drawing Title:
ELECTRICAL LEGEND, FIXTURE SCHEDULE & GENERAL NOTES

Drawing Number:
3-E400

SQUARE 'D' NQ - SINGLE SECTION — FED FROM: DZ

WITH GRD. BAR — AIC RATING: 10,000
PANEL: PLG — MAINS: 225A MLO — ø: 3 — WIRES: 4 — POLES: 72
VOLTS: 120/ 208 — MOUNTING: SURFACE — LOCATION: LAUNDRY CORRIDOR

	REMARKS & LOCATION	LOAD	BKR	CKT	A	B	C	CKT	BKR	LOAD	REMARKS & LOCATION	
	RECPT. DRYER LAUNDRY RM	4000	30	1				2	30	4000	RECPT. DRYER LAUNDRY RM	
			2	3				4	2			
GF	RECPT. DRYER LAUNDRY RM	4000	30	5				6	20	1000	RECPT. WASHER LAUNDRY RM	
			2	7				8	20	1000	RECPT. WASHER LAUNDRY RM	
GF	HAND DRYER TOILET	1500	20GF	9				10	20	1000	RECPT. WASHER LAUNDRY RM	
GF	HAND DRYER TOILET	1500	20GF	11				12	20	540	RECPT'S WEIGHT/ EXERCISER RM	
	RECPT'S SENSORS TOILET	1000	20	13				14	20	540	RECPT'S WEIGHT/ EXERCISER RM	
	RECPT'S TOILET/ EXERCISE RM	720	20	15				16	20	720	RECPT'S WEIGHT/ EXERCISER RM	
	RECPT'S EXERCISE ROOM	540	20	17				18	20	720	RECPT'S WEIGHT/ EXERCISER RM	
	RECPT'S EXERCISE ROOM	360	20	19				20	20	540	RECPT'S WEIGHT/ EXERCISER RM	
	RECPT'S EXERCISE ROOM	540	20	21				22	20	720	RECPT'S WEIGHT/ EXERCISER RM	
	RECPT'S EXERCISE ROOM	540	20	23				24	20	360	RECPT'S LAUNDRY RM	
	RECPT'S EXERCISE ROOM	540	20	25				26	20	720	RECPT'S BOYS GUEST LOCK/ CORR	
			20	27				28	20	400	RECPT'S/SENSOR BOYS GUEST L.	
	PAH-1 WEIGHT & EXERCISE RM	2736		29				30	20GF	1500	HAND DRYER BOYS GUEST LOCKER	GF
			3	31				32	20	264	FC UNIT BOYS GUEST LOCKER	
			20	33				34	20	600	CONDENSATE PUMPS	
	PAH-2 EXERCISE RM	1656		35				36	20	210	RECPT'S DRYER EXHAUST FANS	
			3	37				38	20	700	CORRIDOR COILING GRILLE	
			50	39				40	20GF	0	SPARE	GF
	CU-1 ROOF	8928		41				42	20GF	0	SPARE	GF
			3	43				44	20GF	0	SPARE	GF
			35	45				46	20GF	0	SPARE	GF
	CU-2 ROOF	6048		47				48	20GF	0	SPARE	GF
			3	49				50	20	600	RECPT'S TV'S EXERCISE & WEIGHT	
	SPARE	0	20	51				52	20	540	RECPT'S AUXILARY GYM	Z
	SPARE	0	20	53				54	20	540	RECPT'S AUXILARY GYM	Z
	SPARE	0	20	55				56	20	0	SPARE	
	SPARE	0	20	57				58	20	0	SPARE	
	SPARE	0	20	59				60	20	0	SPARE	
	SPARE	0	20	61				62	20	0	SPARE	
Y			20	63				64			BLANK SPACE	
Y	MAT MOVER AUXILARY GYM	2880		65				66			BLANK SPACE	
Y			3	67				68			BLANK SPACE	
	BLANK SPACE			69				70			BLANK SPACE	
	BLANK SPACE			71				72			BLANK SPACE	
				73				74				
				75				76				
				77				78				
				79				80				
				81				82				
				83				84				

GF = GROUND FAULT PROTECTED BREAKER
ST = SHUNT TRIP BREAKER
HL = HANDLE LOCK ATTACHMENT
PL = HANDLE PADLOCK ATTACHMENT

SQUARE 'D' NQ - SINGLE SECTION — FED FROM: DZ

WITH GRD. BAR — AIC RATING: 10,000
PANEL: P17 — MAINS: 225A MLO — ø: 3 — WIRES: 4 — POLES: 84
VOLTS: 120/ 208 — MOUNTING: SURFACE — LOCATION: STORAGE ROOM

	REMARKS & LOCATION	LOAD	BKR	CKT	A	B	C	CKT	BKR	LOAD	REMARKS & LOCATION	
GF	HAND DRYER BOYS LOCKER RM	1500	20GF	1				2	20GF	1500	EXIST. HAND DRYER CIRCUIT	X/GF
GF	HAND DRYER BOYS LOCKER RM	1500	20GF	3				4	20GF	1500	EXIST. HAND DRYER CIRCUIT	X/GF
GF	RECPT'S BOYS LOCKER RM	720	20GF	5				6	20GF	1500	EXIST. HAND DRYER CIRCUIT	X/GF
	RECPT'S SINK SENSORS BOYS	720	20	7				8	20	0	EXISTING CIRCUIT	X
GF	RECPT. BOTTLE FILLER	800	20GF	9				10	20	0	EXISTING CIRCUIT	X
GF	RECPT. BOTTLE FILLER	800	20GF	11				12	20	0	EXISTING CIRCUIT	X
	RECPT'S OFFICE BOYS LOCKER RM	1080	20	13				14	20	0	EXISTING CIRCUIT	X
	RECPT'S OFFICE BOYS LOCKER RM	900	20	15				16	20	200	TLT SENSORS BOYS LOCKER RM	
	RECPT'S OFFICE BOYS LOCKER RM	900	20	17				18	20GF	1500	HAND DRYER GIRLS LOCKER RM	GF
	RECPT'S LOCKER RM S/ STORAGE	900	20	19				20	20GF	1500	HAND DRYER GIRLS LOCKER RM	GF
	RECPT'S SENSOR'S TOILET RM S	1080	20	21				22	20GF	540	RECPT'S GIRLS LOCKER RM	GF
	RECPT'S OFFICE GIRLS LOCKER RM	900	20	23				24	20	720	RECPT'S SENSORS GIRL, LOCKER RM	
	RECPT'S OFFICE GIRLS LOCKER RM	900	20	25				26	20	180	RECPT. BREAKROOM	
	RECPT'S OFFICE GIRLS LOCKER RM	1080	20	27				28	20	180	RECPT. BREAKROOM	
	RECPT'S ATH. TRAINERS OFFICE	720	20	29				30	20	300	SENSORS TOILET ROOMS	
	RECPT'S ATH. TRAINERS OFFICE	720	20	31				32	20	360	SENSORS GIRLS LOCKER RM	
GF	HAND DRYER TOILET	1500	20GF	33				34	20GF	1500	HAND DRYER GIRLS GUEST LOCKER	GF
GF	HAND DRYER TOILET	1500	20GF	35				36	20	360	RECPT'S GIRLS GUEST LOCKER RM	
	RECPT'S SENSOR'S TOILET RM	900	20	37				38	20	400	SENSORS GIRLS GUEST LOCKER RM	
	SENSOR'S TOILET ROOM	300	20	39				40	20	792	FC UNITS LOCKER/OFFICE/TRAINING	
	RECPT'S COACHES OFFICE	1080	20	41				42	20	792	FC UNITS GIRLS LOCKERS, TEAM RM	
	RECPT'S GIRLS WREST./BASKETBALL	1260	20	43				44	20	1440	UV TRAINING ROOM	
	RECPT'S GIRLS TEAM ROOM	720	20	45				46	20	1440	UV GIRLS LOCKER ROOM	
	CH TOILET/SHOWER	612	20	47				48	20	1440	UV BOYS LOCKER ROOM	
	CHS GIRLS LOCKER RM TOILETS	1224	20	49				50	20	792	FC UNITS BREAKROOM/ OFFICES	
	CHS BOYS LOCKER RM TOILETS	1224	20	51				52	20GF	1500	HAND DRYER TOILET	GF
	SPARE	0	20	53				54	20GF	1500	HAND DRYER TOILET	GF
	SPARE	0	20	55				56	20	0	SPARE	
	SPARE	0	20	57				58	20	900	CONDENSATE PUMPS	
	SPARE	0	20	59				60	20	900	CONDENSATE PUMPS	
	RECPT. WHIRLPOOL	750	20	61				62	20	900	CONDENSATE PUMPS	
	RECPT. WHIRLPOOL	750	20	63				64	20	900	CONDENSATE PUMPS	
	RECPT. WHIRLPOOL	750	20	65				66	20	720	RECPT'S TRAINING	
	RECPT. DRYER	4000	30	67				68	20	720	RECPT'S TRAINING	
			2	69				70	20	540	RECPT'S TRAINING	
	RECPT. WASHER	800	20	71				72	20	0	SPARE	
	RECPT. REFRIGERATOR	800	20	73				74	20	0	SPARE	
	RECPT. FREEZER	600	20	75				76	20	0	SPARE	
	RECPT. ICE MAKER	600	20	77				78	20GF	0	SPARE	GF
	SPARE	0	20	79				80	20GF	0	SPARE	GF
	SPARE	0	20	81				82	20GF	0	SPARE	GF
	SPARE	0	20	83				84	20GF	0	SPARE	GF

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EXISTING PANEL — FED FROM:

WITH GRD. BAR — AIC RATING: 14,000
PANEL: LN1 — MAINS: 50A MCB — ø: 3 — WIRES: 4 — POLES: 18
VOLTS: 277/ 480 — MOUNTING: SURFACE — LOCATION: GYM ELEC RM 042

REMARKS & LOCATION	LOAD	BKR	CKT	A	B	C	CKT	BKR	LOAD	REMARKS & LOCATION
SPARE	0	20	1				2	20	0	SPARE
SPARE	0	20	3				4	20	0	SPARE
SPARE	0	20	5				6	20	0	SPARE
SPARE	0	20	7				8	20	0	SPARE
SPARE	0	20	9				10	20	0	SPARE
BLANK SPACE			11				12			BLANK SPACE
BLANK SPACE			13				14			BLANK SPACE
BLANK SPACE			15				16			BLANK SPACE
BLANK SPACE			17				18			BLANK SPACE
			19				20			
			21				22			
			23				24			
			25				26			
			27				28			
			29				30			
			31				32			
			33				34			
			35				36			
			37				38			
			39				40			
			41				42			

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EXISTING PANEL — FED FROM: D1

WITH GRD. BAR — AIC RATING: 10,000
PANEL: GP1 — MAINS: 100A MLO — ø: 3 — WIRES: 4 — POLES: 42
VOLTS: 120/ 208 — MOUNTING: SURFACE — LOCATION: ELEC CLOSET A025

	REMARKS & LOCATION	LOAD	BKR	CKT	A	B	C	CKT	BKR	LOAD	REMARKS & LOCATION	
	(GF BKR) HAND DRYER MENS TLT	1400	20	1				2	20	100	RECPT. SENSOR TOILET	
	(GF BKR) HAND DRYER MENS TLT	1400	20	3				4	20	360	GENERAL RECPT'S TOILETS	
	RECPT'S SENSORS MENS TLT	300	20	5				6	20	480	CH-02 MENS TOILET	
Z	RECPT. FREEZER	800	20	7				8	20	1400	(GF BKR) HAND DRYER MENS	
Z	RECPT. REFRIGERATOR	800	20	9				10	20	1000	RECPT. PIZZA WARMER	Z
Z	RECPT. REFRIGERATOR	800	20	11				12	20	600	RECPT. CROCKPOT	Z
Z	RECPT. MICROWAVE	800	20	13				14	20	600	RECPT. CROCKPOT	Z
Z	RECPT. GENERAL CONCESSION	180	20	15				16	20	500	RECPT'S HEAT LAMPS	Z
Z	RECPT. HOT DOG ROLLER	800	20	17				18	20	180	RECPT. GENERAL CONCESSION	Z
Z	RECPT'S GENERAL CONCESSION	720	20	19				20	20	400	RECPT. COTTON CANDY MACHINE	Z
Z	RECPT'S GYM	1080	20	21				22	20	500	RECPT. POPCORN MAKER	Z
Z	EXHAUST FAN GYM STORAGE	400	20	23				24	20	0	SPARE	
	SPARE	0	20	25				26	20	0	SPARE	
GF/Y	SPARE		20GF	27				28			BLANK SPACE	
GF/Y	SPARE		20GF	29				30			BLANK SPACE	
GF/Y	SPARE		20GF	31				32			BLANK SPACE	
GF/Y	SPARE		20GF	33				34			BLANK SPACE	
	BLANK SPACE			35				36			BLANK SPACE	
	BLANK SPACE			37				38			BLANK SPACE	
	BLANK SPACE			39				40			BLANK SPACE	
	BLANK SPACE			41				42			BLANK SPACE	

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PL = HANDLE PADLOCK ATTACHMENT

SIMILAR TO SQUARE 'D' NQ (SEE DRAWING PANEL SCHEDULE NOTES) — FED FROM:

WITH GRD. BAR — AIC RATING: 18,000
PANEL: P2 — MAINS: 225A MLO — ø: 3 — WIRES: 4 — POLES: 42
VOLTS: 277/ 480 — MOUNTING: RECESSED — LOCATION: 1ST FLOOR CORRIDOR

	REMARKS & LOCATION	LOAD	BKR	CKT	A	B	C	CKT	BKR	LOAD	REMARKS & LOCATION	
X	EXISTING CIRCUIT	0	20	1				2	20		EXISTING CIRCUIT	X
				3				4		0		
X	EXISTING CIRCUIT	0		5				6			EXISTING CIRCUIT	X
X	EXISTING CIRCUIT	0	20	7				8	20	0	EXISTING CIRCUIT	X
X	EXISTING CIRCUIT	0	20	9				10	20	0	EXISTING CIRCUIT	X
X	EXISTING CIRCUIT	0	20	11				12	20	0	EXISTING CIRCUIT	X
X	EXISTING CIRCUIT	0	20	13				14	20	0	EXISTING CIRCUIT	X
X	EXISTING CIRCUIT	0	20	15				16	20	0	EXISTING CIRCUIT	X
X	EXISTING CIRCUIT	0	20	17				18	20	0	EXISTING CIRCUIT	X
X	EXISTING CIRCUIT	0	20	19				20	20	0	EXISTING CIRCUIT	X
X	EXISTING CIRCUIT	0	20	21				22	20	0	EXISTING CIRCUIT	X
X	EXISTING CIRCUIT	0	20	23				24	20	0	EXISTING CIRCUIT	X
X	EXISTING CIRCUIT	0	20	25				26	20	0	EXISTING CIRCUIT	X
X	EXISTING CIRCUIT	0	20	27				28	20	0	EXISTING CIRCUIT	X
X	EXISTING CIRCUIT	0	20	29				30	20	0	EXISTING CIRCUIT	X
X	EXISTING CIRCUIT	0	20	31				32	20	0	EXISTING CIRCUIT	X
X	EXISTING CIRCUIT	0	20	33				34	20	0	EXISTING CIRCUIT	X
	SPARE	0	20	35				36	20	0	SPARE	
X	EX PHASE FAILURE RELAY	0	15	37				38	20	0	SPARE	
				39				40	20	0	SPARE	
			3	41				42	20	0	SPARE	

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HL = HANDLE LOCK ATTACHMENT
PL = HANDLE PADLOCK ATTACHMENT

SIMILAR TO SQUARE 'D' NQ (SEE DRAWING PANEL SCHEDULE NOTES) — FED FROM:

WITH GRD. BAR — AIC RATING: 10,000
PANEL: P3 — MAINS: 225A MLO — ø: 3 — WIRES: 4 — POLES: 42
VOLTS: 277/ 480 — MOUNTING: RECESSED — LOCATION: 1ST FLOOR CORRIDOR

	REMARKS & LOCATION	LOAD	BKR	CKT	A	B	C	CKT	BKR	LOAD	REMARKS & LOCATION	
X	EXISTING CIRCUIT	0	20	1				2	20		EXISTING CIRCUIT	X
X	EXISTING CIRCUIT	0	20	3				4		0		
X	EXISTING CIRCUIT	0	20	5				6			EXISTING CIRCUIT	X
X	EXISTING CIRCUIT	0	20	7				8	20	0	EXISTING CIRCUIT	X
X	EXISTING CIRCUIT	0	20	9				10	20	0	EXISTING CIRCUIT	X
X	EXISTING CIRCUIT	0	20	11				12	20	0	EXISTING CIRCUIT	X
X	EXISTING CIRCUIT	0	20	13				14	20	0	EXISTING CIRCUIT	X
X	EXISTING CIRCUIT	0	20	15				16	20	0	EXISTING CIRCUIT	X
X	EXISTING CIRCUIT	0	20	17				18	20	0	EXISTING CIRCUIT	X
X	EXISTING CIRCUIT	0	20	19				20	20	0	EXISTING CIRCUIT	X
X	EXISTING CIRCUIT	0	20	21				22	20	0	EXISTING CIRCUIT	X
X	EXISTING CIRCUIT	0	20	23				24	20	0	EXISTING CIRCUIT	X
X	EXISTING CIRCUIT	0	20	25				26	20	0	EXISTING CIRCUIT	X
X	EXISTING CIRCUIT	0	20	27				28	20	0	EXISTING CIRCUIT	X
X	EXISTING CIRCUIT	0	20	29				30	20	0	EXISTING CIRCUIT	X
X	EXISTING CIRCUIT	0	20	31				32	20	0	EXISTING CIRCUIT	X
X	EXISTING CIRCUIT	0	20	33				34	20	0	EXISTING CIRCUIT	X
X	EXISTING CIRCUIT	0	20	35				36	20	0	EXISTING CIRCUIT	X
X	EX PHASE FAILURE RELAY	0	15	37				38	20	0	EXISTING CIRCUIT	X
				39				40	20	0	SPARE	
			3	41				42	20	0	SPARE	

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SQUARE 'D' NQ - SINGLE SECTION — FED FROM: ???

WITH GRD. BAR — AIC RATING: 10,000
PANEL: P5 — MAINS: 225A MLO — ø: 3 — WIRES: 4 — POLES: 84
VOLTS: 120/ 208 — MOUNTING: SURFACE — LOCATION: ELECTRIC ROOM

	REMARKS & LOCATION	LOAD	BKR	CKT	A	B	C	CKT	BKR	LOAD	REMARKS & LOCATION	
	EXISTING CIRCUIT	0	20	1				2	20	0	EXISTING CIRCUIT	
	EXISTING CIRCUIT	0	20	3				4	20	0	EXISTING CIRCUIT	
	EXISTING CIRCUIT	0	20	5				6	20	0	EXISTING CIRCUIT	
	EXISTING CIRCUIT	0	20	7				8	20	0	EXISTING CIRCUIT	
	EXISTING CIRCUIT	0	20	9				10	20	0	EXISTING CIRCUIT	
	EXISTING CIRCUIT	0	20	11				12	20	0	EXISTING CIRCUIT	
	EXISTING CIRCUIT	0	20	13				14	20	0	EXISTING CIRCUIT	
	EXISTING CIRCUIT	0	20	15				16	20	0	EXISTING CIRCUIT	
	EXISTING CIRCUIT	0	20	17				18	20	0	EXISTING CIRCUIT	
	EXISTING CIRCUIT	0	20	19				20	20	0	EXISTING CIRCUIT	
	EXISTING CIRCUIT	0	20	21				22	20	0	EXISTING CIRCUIT	
	EXISTING CIRCUIT	0	20	23				24	20	0	EXISTING CIRCUIT	
	EXISTING CIRCUIT	0	20	25				26	20	0	EXISTING CIRCUIT	
	EXISTING CIRCUIT	0	20	27				28	20	0	EXISTING CIRCUIT	
	EXISTING CIRCUIT	0	20	29				30	20	0	EXISTING CIRCUIT	
	EXISTING CIRCUIT	0	20	31				32	20	0	EXISTING CIRCUIT	
	EXISTING CIRCUIT	0	20	33				34	20	0	EXISTING CIRCUIT	
	EXISTING CIRCUIT	0	20	35				36	20	0	EXISTING CIRCUIT	
	EXISTING CIRCUIT	0	20	37				38	20	0	EXISTING CIRCUIT	
	EXISTING CIRCUIT	0	20	39				40	20	0	EXISTING CIRCUIT	
	EXISTING CIRCUIT	0	20	41				42	20	0	EXISTING CIRCUIT	
	EXISTING CIRCUIT	0	20	43				44	20	0	EXISTING CIRCUIT	
	EXISTING CIRCUIT	0	20	45				46	20	0	EXISTING CIRCUIT	
	EXISTING CIRCUIT	0	20	47				48	20	0	EXISTING CIRCUIT	
	EXISTING CIRCUIT	0	20	49				50	20	0	EXISTING CIRCUIT	
Y				51				52	20			Y
Y	MOTORIZED BLEACHERS	3960	20	53				54		3960	MOTORIZED BLEACHERS	Y
Y			3	55				56	3			Y
Y			20	57				58	20			Y
Y	MOTORIZED BLEACHERS	3960		59				60		3960	MOTORIZED BLEACHERS	Y
Y			3	61				62	3			Y
Y	SPARE	0	20	63				64	20	0	SPARE	Y
Y	SPARE	0	20	65				66	20	0	SPARE	Y
Y	SPARE	0	20	67				68	20	0	SPARE	Y
Y	SPARE	0	20	69				70	20	0	SPARE	Y
Y	SPARE	0	20	71				72	20	0	SPARE	Y
				73				74				
				75				76				
				77				78				
				79				80				
				81				82				
				83				84				

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EXIST. PANEL — FED FROM:

WITH GRD. BAR — AIC RATING: 10,000
PANEL: P6 — MAINS: 225A MLO — ø: 3 — WIRES: 4 — POLES: 72
VOLTS: 120/ 208 — MOUNTING: SURFACE — LOCATION: GYM ELEC. ROOM

REMARKS & LOCATION	LOAD	BKR	CKT	A	B	C	CKT	BKR	LOAD	REMARKS & LOCATION
EXISTING CKT		*20*	1				2	*20*		*EXISTING CKT*
EXISTING CKT		*20*	3				4	*20*		*EXISTING CKT*
EXISTING CKT		*20*	5				6	*20*		*EXISTING CKT*
EXISTING CKT		*20*	7				8	*20*		*EXISTING CKT*
EXISTING CKT		*20*	9				10	*20*		*EXISTING CKT*
EXISTING CKT		*20*	11				12	*20*		*EXISTING CKT*
EXISTING CKT		*20*	13				14	*20*		*EXISTING CKT*
EXISTING CKT		*20*	15				16	*20*		*EXISTING CKT*
EXISTING CKT		*20*	17				18	*20*		*EXISTING CKT*
EXISTING CKT		*20*	19				20	*20*		*EXISTING CKT*
EXISTING CKT		*20*	21				22	*20*		*EXISTING CKT*
EXISTING CKT		*20*	23				24	*20*		*EXISTING CKT*
EXISTING CKT		*20*	25				26	*20*		*EXISTING CKT*
EXISTING CKT		*20*	27				28	*20*		*EXISTING CKT*
EXISTING CKT		*20*	29				30	*20*		*EXISTING CKT*
EXISTING CKT		*20*	31				32	*20*		*EXISTING CKT*
EXISTING CKT		*20*	33				34			*EXISTING CKT*
EXISTING CKT		*20*	35				36	*3*		
EX. RANGE		*50*	37				38	*100*		
		2	39				40			*EXISTING CKT*
RECPT'S CONFERENCE ROOM	1080	20	41				42	*3*		
RECPT'S TEAM RM/ STORAGE	1080	20	43				44	*20*	700	SENSORS M/F OFFICIALS
RECPT'S BOYS WREST & BASK LOCK	1260	20	45				46	*20*	540	RECPT'S M/F OFFICIALS
Z RECPT'S CONTROL ROOM	540	20	47				48	*20*	700	CORRIDOR COILING GRILLE
Z RECPT'S PRESS BOX	900	20	49				50	*20*	700	CORRIDOR COILING GRILLE
SPARE	0	20	51				52	*20*	0	SPARE
SPARE	0	20	53				54	*20*	0	SPARE
SPARE	0	20	55				56	*20*	0	SPARE
GF/Y HAND DRYER F OFFICIALS	1500	20GF	57				58	*20*	1224	CH'S STORAGE ROOMS Y
GF/Y HAND DRYER TOILET RM	1500	20GF	59				60	*20*	792	FC'S CONF/ TEAM RM/ B. WRISTLING Y
GF/Y HAND DRYER TOILET RM	1500	20GF	61				62	*20*	876	FC/CH BOYS BASKETBALL LOCK/TLT Y
RECPT'S TEMPORARY LOCKER RM S	720	20	63				64	*20*	600	CONDENSATE PUMPS Y
GF/Y SPARE		20GF	65				66	*20*	600	CONDENSATE PUMPS Y
GF/Y SPARE		20GF	67				68			BLANK SPACE
GF/Y SPARE		20GF	69				70			BLANK SPACE
GF/Y SPARE		20GF	71				72			BLANK SPACE
			73				74			
			75				76			
			77				78			
			79				80			
			81				82			
			83				84			

GF = GROUND FAULT PROTECTED BREAKER
ST = SHUNT TRIP BREAKER
HL = HANDLE LOCK ATTACHMENT
PL = HANDLE PADLOCK ATTACHMENT

SIMILAR TO SQUARE 'D' NQ — FED FROM: ???

WITH GRD. BAR — AIC RATING: 10,000
PANEL: PH — MAINS: 100A MLO — ø: 3 — WIRES: 4 — POLES: 30
VOLTS: 120/ 208 — MOUNTING: SURFACE — LOCATION: PENTHOUSE

	REMARKS & LOCATION	LOAD	BKR	CKT	A	B	C	CKT	BKR	LOAD	REMARKS & LOCATION	
	GYM BACKBOARD MOTOR	1400	20	1				2	20	0	EXISTING CIRCUIT	X
	GYM BACKBOARD MOTOR	1400	20	3				4	20	0	EXISTING CIRCUIT	X
	GYM BACKBOARD MOTOR	1400	20	5				6	20	0	EXISTING CIRCUIT	X
X	EXISTING CIRCUIT	0	20	7				8	20	400	DESTRAFICATION FANS GYM	
	GYM BACKBOARD MOTOR	1400	20	9				10	20	400	DESTRAFICATION FANS GYM	
	GYM BACKBOARD MOTOR	1400	20	11				12	20	456	GYM DIVIDER CURTAIN	
	GYM BACKBOARD MOTOR	1400	20	13				14	20	2340	SCOREBOARD HOST	
	SCOREBOARD HOST	2340	20	15				16	2		(ALTERNATE BID)	
	(ALTERNATE BID)		2	17				18	20	2340	SCOREBOARD HOST	
	SCOREBOARD HOST	2340	20	19				20	2		(ALTERNATE BID)	
	(ALTERNATE BID)		2	21				22	20	300	SHOT CLOCKS & BACKBOAD LIGHTS	
	SPARE	0	20	23				24	20	0	SP