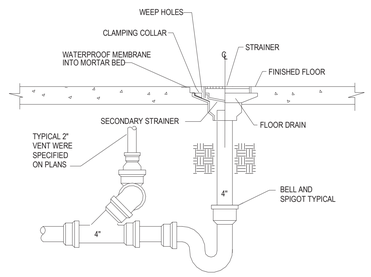
ABBREVIATIONS LEGEND

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AVG	AVERAGE
BFF	BELOW FINISHED FLOOR
BHP	BRAKE HORSEPOWER
BOP	BOTTOM OF PIPE
BTM	BOTTOM
BTUH	BRITISH THERMAL UNITS/HOUR
CAP	CAPACITY
CO	CLEAN OUT
CONT.	CONTINUATION
CW	DOMESTIC COLD WATER
DCW	DOMESTIC COLD WATER
DIA	DIAMETER
DN	DOWN
DPCO	DECK PLATE CLEAN OUT
EXIST.	EXISTING
FD	FLOOR DRAIN
FLA	FULL LOAD AMPS
FLR	FLOOR
FT. OR '	FEET
G	GAS
GAL	GALLON
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HB	HOSE BIBB
HP	HORSEPOWER
HR	HOUR
HW	DOMESTIC HOT WATER
HWR	HOT WATER RECIRCULATION
IN OR "	INCHES
INT	INTERNAL
IW	INDIRECT WASTE
KW	KILOWATT
L	LENGTH
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LF	LINEAR FOOT
MBH	THOUSAND BTUH
MIN	MINIMUM
MAX	MAXIMUM
N/A	NOT APPLICABLE
N/C	NORMALLY CLOSED
MFG	MANUFACTURER
NO	NORMALLY OPEN
NOL	NON OVER LOADING
P	PUMP
PC	PLUMBING CONTRACTOR
PD	PRESSURE DROP
PH	PHASE
PPM	PARTS PER MILLION
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
RPM	REVOLUTIONS PER MINUTE
RPZ	REDUCED PRESSURE ZONE
S OR SAN	SANITARY
SF	SQUARE FOOT
SR	SHORT RADIUS
ST	STORM PIPING
TEMP	TEMPERATURE
TYP	TYPICAL
V	VENT
VERT	VERTICAL
VTR	VENT THRU ROOF
W	WASTE
WCO	WALL CLEAN-OUT
WHA	WATER HAMMER ARRESTOR

PLUMBING LEGEND

- COLD WATER PIPING (CW)
- HOT WATER PIPING (HW)
- HOT WATER RECIRC PIPING (HWR)
- SAN — SANITARY ABOVE GRADE
- SAN — SANITARY BELOW GRADE
- V — VENT PIPING
- W — WASTE PIPING
- G — NATURAL GAS PIPING
- 90 DEGREE PIPE ELBOW DOWN
- PIPE RISER UP SYMBOL
- BRANCH PIPE CONNECTOR OFF BOTTOM OF PIPING MAIN
- PIPE CAP
- MID-PIPE DOWN
- PIPE BREAK
- PIPE DOWN WITH VALVE IN VERTICAL
- UNION
- CLEAN OUT
- PIPING/EQUIPMENT REMOVALS
- CHECK VALVE
- SHUTOFF BALL VALVE
- PRESSURE REDUCING VALVE
- PLUG VALVE
- PUMP
- FLOOR DRAIN
- CLEANOUT DECKPLATE
- OR — GATE VALVE
- BUTTERFLY VALVE
- OR — BALANCE VALVE
- OR — PIPE REDUCER
- POINT OF REMOVAL
- POINT OF CONNECTION



J14 FLOOR DRAIN WITH BELOW SLAB PIPING DETAIL
12" = 1'-0"

PLUMBING FIXTURE SCHEDULE

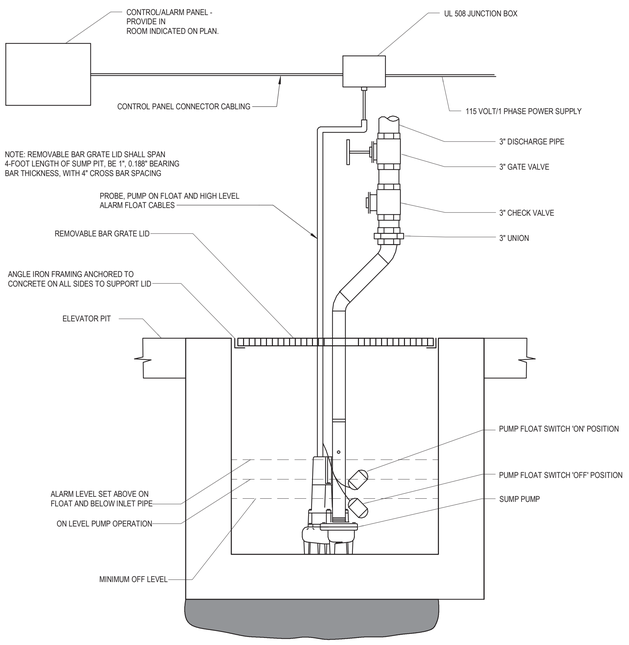
1.OR APPROVED EQUAL

TAG	TYPE	BASIS OF DESIGN MANUFACTURER	MODEL	CONNECTION SIZE CW	HW	W	IW	V	REMARKS
DPCO	DECK PLATE CLEANOUT	ZURN	Z1400			3"			
FD-1	FLOO DRAIN	ZURN	Z415B			3"		2"	

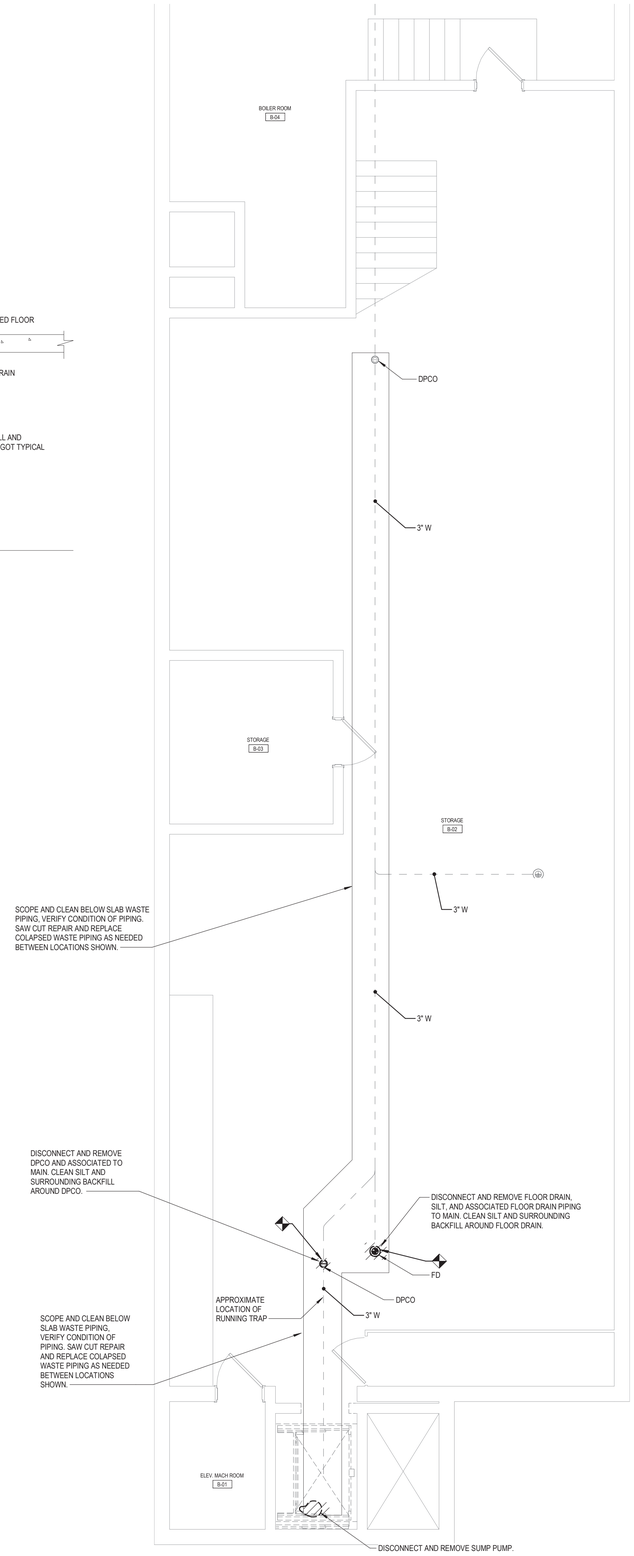
SUMP PUMP SCHEDULE

1. PROVIDE WITH REMOTE NEMA 4X CONTROL PANEL THAT INCLUDES SEPARATE LED INDICATOR LIGHTS FOR HIGH WATER, HIGH MOTOR AMPS, POWER TO SYSTEM AND PUMP ACTIVATION. PANEL SHALL INCLUDE HIGH DECIBEL, WATER TIGHT HORN AND SILENCE SWITCHES FOR ALERT CONDITIONS. PANEL SHALL INCLUDE 8-PIN QUICK CONNECT CABLE TO PUMP SYSTEM JUNCTION BOX CAPABLE OF 250-FEET OF INTERCONNECTING EXTENSION CABLES.
2. PROVIDE PUMP WITH UL 508 NEMA 4X JUNCTION BOX THAT INCLUDES PUMP ON FLOAT, HIGH LEVEL FLOAT, PROBE, AND PUMP POWER CONNECTION AND TIED TO THE CONTROL PANEL.
3. PROVIDE WITH STANCOR OIL MINDER PACKAGE

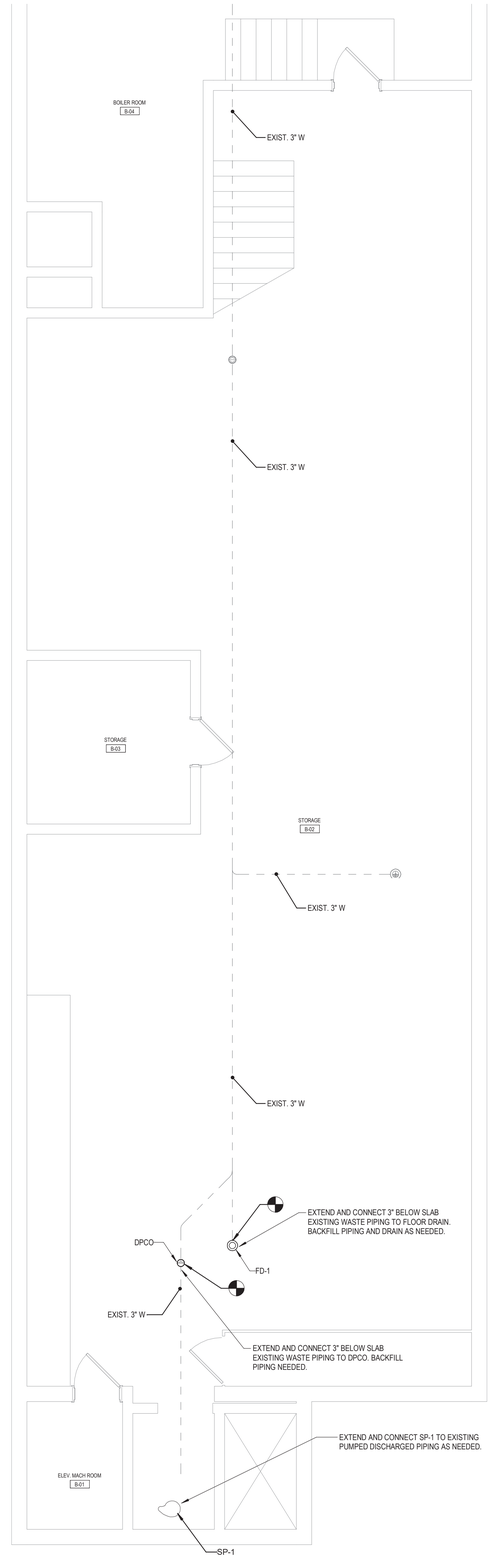
Type Mark	LOCATION/SERVES	FLOW	HEAD	ELECTRICAL DATA HP	VOLTS	PH	FLA	BASIS OF DESIGN MANUFACTURER AND MODEL	REMARKS
SP-1	ELEVATOR PIT	50 GPM	11 ft	0.4	115	1	5	STANCOR SE-40	



A18 SUMP PUMP DETAIL
12" = 1'-0"



A10 BASEMENT REMOVALS
1/4" = 1'-0"



A5 BASEMENT PLAN
1/4" = 1'-0"

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NUFSD BOND PROJECTS PH3

☐ SED#50-01-08-03-0-003-035 (HIGH SCHOOL)
■ SED#50-01-08-03-0-004-020 (BARR MIDDLE SCHOOL)

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Barr Middle School
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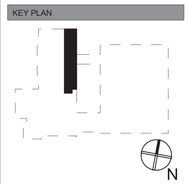
KEY PLAN



REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/06/2023
SCALE: As indicated
SHEET NAME: PLUMBING PLANS
SHEET NUMBER: BM-P101

ISSUE FOR BID SET

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