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Consultant:



Point of Beginning

GLENWOOD COMMUNITY SCHOOL DISTRICT
ATHLETIC COMPLEX IMPROVEMENTS-BID PACKAGE #2
SITE UTILITY PLAN (ATHLETIC SITE)-BID PACKAGE #2
400 SIVERS RD., GLENWOOD, IA 51534

Project Title:
HSR Project Number:
18004

Project Date:
SEPTEMBER 2018

Drawn By:
DLP

Key Plan:

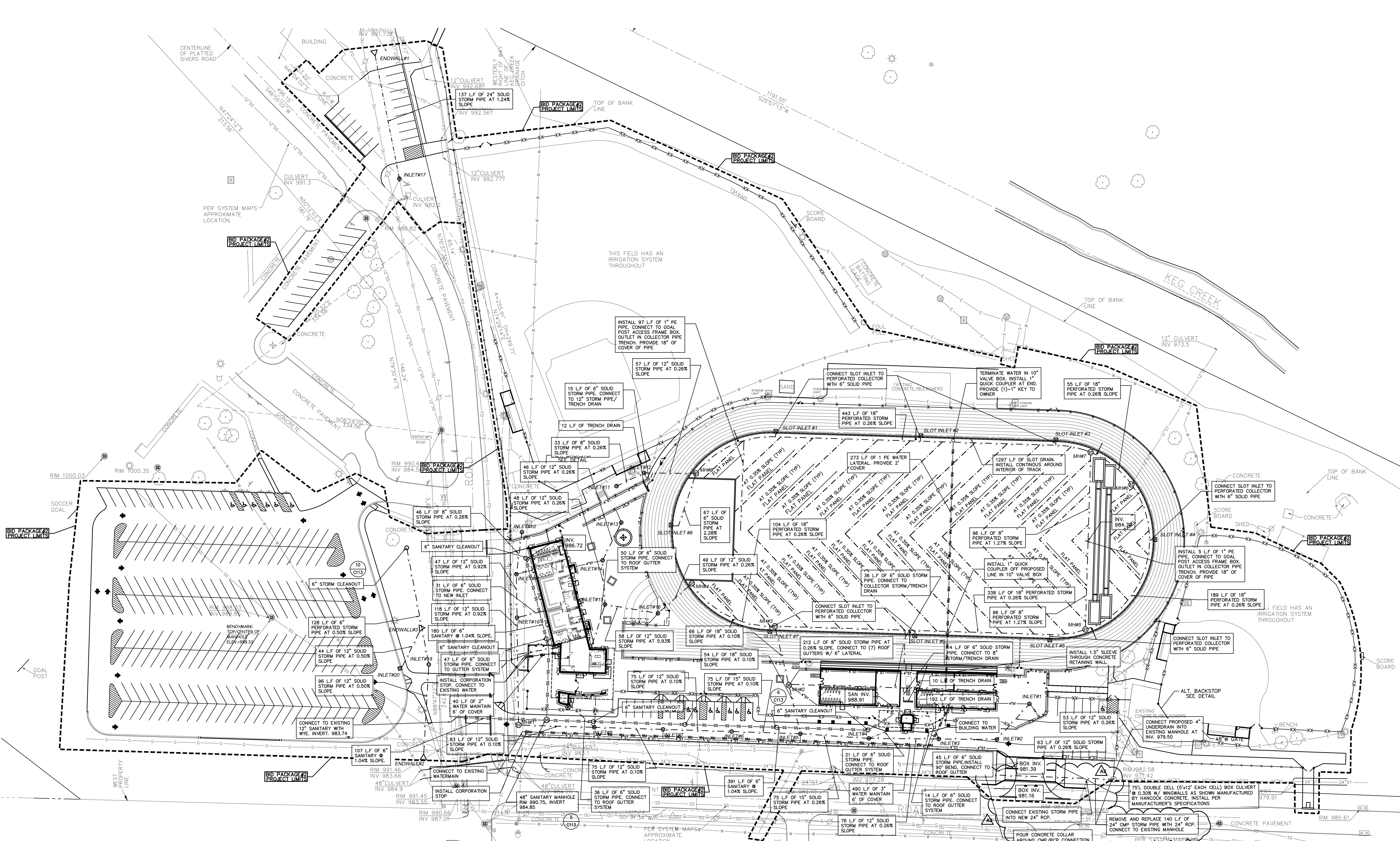
Revisions:

No.	Description	Date
1	Addendum #1	10-5-18
2	Addendum #1	10-8-18

Graphic Scale: 40' 80'

Last Update:

C109R1



STORM STRUCTURE SCHEDULE:

MH#1	MH#2	MH#3	MH#4	MH#5	MH#6	MH#7	MH#8	INLET #1
RIM 990.28 INV (E) 983.41 INV (S) 983.41 DEPTH 6.87 36" I.D. PRECAST MANHOLE NEENAH R-2573 STD LD	RIM 991.70 INV (N) 983.04 INV (W) 983.04 INV (S) 982.97 INV (SE) 983.04 INV (SW) 983.04 DEPTH 4.51 24" MODULAR INLET W/ LOCKABLE H-20 STANDARD MIN 6" SUMP	RIM 987.48 INV (N) 983.64 INV (S) 982.97 INV (SE) 983.04 INV (SW) 983.04 DEPTH 4.51 24" MODULAR INLET W/ LOCKABLE H-20 STANDARD MIN 6" SUMP	RIM 987.48 INV (N) 983.64 INV (S) 982.97 INV (SE) 983.04 INV (SW) 983.04 DEPTH 4.51 24" MODULAR INLET W/ LOCKABLE H-20 STANDARD MIN 6" SUMP	RIM 987.48 INV (N) 983.64 INV (S) 982.97 INV (SE) 983.04 INV (SW) 983.04 DEPTH 4.51 24" MODULAR INLET W/ LOCKABLE H-20 STANDARD MIN 6" SUMP	RIM 987.48 INV (N) 983.64 INV (S) 982.97 INV (SE) 983.04 INV (SW) 983.04 DEPTH 4.51 24" MODULAR INLET W/ LOCKABLE H-20 STANDARD MIN 6" SUMP	RIM 987.48 INV (N) 983.64 INV (S) 982.97 INV (SE) 983.04 INV (SW) 983.04 DEPTH 4.51 24" MODULAR INLET W/ LOCKABLE H-20 STANDARD MIN 6" SUMP	RIM 987.48 INV (N) 983.64 INV (S) 982.97 INV (SE) 983.04 INV (SW) 983.04 DEPTH 4.51 24" MODULAR INLET W/ LOCKABLE H-20 STANDARD MIN 6" SUMP	RIM 991.00 INV (NW) 987.50 INV (SW) 987.00 INV (W) 987.50 DEPTH 5.00 W/ LOCKABLE H-20 STANDARD OPEN GRATE, MIN 6" SUMP
INLET #2	INLET #3	INLET #4	INLET #5	INLET #6	INLET #7	INLET #8	INLET #9	INLET #10
RIM 990.35 INV (N) 986.86 INV (SE) 986.86 DEPTH 3.49 15" MODULAR INLET NEENAH R-2573 GRATE	RIM 990.35 INV (N) 986.50 INV (S) 986.50 INV (SE) 986.70 INV (E) 986.70 DEPTH 3.85 36" I.D. PRECAST MANHOLE NEENAH R-2573 GRATE	RIM 990.35 INV (N) 986.50 INV (S) 986.50 INV (SE) 986.70 INV (E) 986.70 DEPTH 3.85 36" I.D. PRECAST MANHOLE NEENAH R-2573 GRATE	RIM 990.35 INV (N) 986.50 INV (S) 986.50 INV (SE) 986.70 INV (E) 986.70 DEPTH 3.85 36" I.D. PRECAST MANHOLE NEENAH R-2573 GRATE	RIM 990.35 INV (N) 986.50 INV (S) 986.50 INV (SE) 986.70 INV (E) 986.70 DEPTH 3.85 36" I.D. PRECAST MANHOLE NEENAH R-2573 GRATE	RIM 990.35 INV (N) 986.50 INV (S) 986.50 INV (SE) 986.70 INV (E) 986.70 DEPTH 3.85 36" I.D. PRECAST MANHOLE NEENAH R-2573 GRATE	RIM 990.35 INV (N) 986.50 INV (S) 986.50 INV (SE) 986.70 INV (E) 986.70 DEPTH 3.85 36" I.D. PRECAST MANHOLE NEENAH R-2573 GRATE	RIM 990.35 INV (N) 986.50 INV (S) 986.50 INV (SE) 986.70 INV (E) 986.70 DEPTH 3.85 36" I.D. PRECAST MANHOLE NEENAH R-2573 GRATE	RIM 992.25 INV (W) 984.93 INV (S) 984.93 INV (SE) 984.93 DEPTH 7.32 24" MODULAR INLET W/ LOCKABLE H-20 STANDARD OPEN GRATE, MIN 6" SUMP
INLET #11	INLET #12	INLET #13	INLET #14	INLET #15	INLET #16	INLET #17	INLET #18	INLET #19
RIM 986.75 INV (SE) 983.39 DEPTH 3.36 15" MODULAR INLET W/ LOCKABLE H-20 STANDARD OPEN GRATE, MIN 6" SUMP	RIM 987.00 INV (NW) 987.45 INV (NE) 987.45 INV (S) 987.30 DEPTH 4.70 15" MODULAR INLET W/ LOCKABLE H-20 STANDARD OPEN GRATE, MIN 6" SUMP	RIM 987.45 INV (NW) 987.33 INV (NE) 987.45 INV (S) 987.30 DEPTH 4.15 15" MODULAR INLET W/ LOCKABLE H-20 STANDARD OPEN GRATE, MIN 6" SUMP	RIM 987.45 INV (NW) 987.33 INV (NE) 987.45 INV (S) 987.30 DEPTH 4.15 15" MODULAR INLET W/ LOCKABLE H-20 STANDARD OPEN GRATE, MIN 6" SUMP	RIM 987.45 INV (NW) 987.33 INV (NE) 987.45 INV (S) 987.30 DEPTH 4.15 15" MODULAR INLET W/ LOCKABLE H-20 STANDARD OPEN GRATE, MIN 6" SUMP	RIM 987.45 INV (NW) 987.33 INV (NE) 987.45 INV (S) 987.30 DEPTH 4.15 15" MODULAR INLET W/ LOCKABLE H-20 STANDARD OPEN GRATE, MIN 6" SUMP	RIM 987.45 INV (NW) 987.33 INV (NE) 987.45 INV (S) 987.30 DEPTH 4.15 15" MODULAR INLET W/ LOCKABLE H-20 STANDARD OPEN GRATE, MIN 6" SUMP	RIM 987.45 INV (NW) 987.33 INV (NE) 987.45 INV (S) 987.30 DEPTH 4.15 15" MODULAR INLET W/ LOCKABLE H-20 STANDARD OPEN GRATE, MIN 6" SUMP	RIM 987.45 INV (NW) 987.33 INV (NE) 987.45 INV (S) 987.30 DEPTH 4.15 15" MODULAR INLET W/ LOCKABLE H-20 STANDARD OPEN GRATE, MIN 6" SUMP
SLOT INLET #2	SLOT INLET #3	SLOT INLET #4	SLOT INLET #5	SLOT INLET #6	SLOT INLET #7	SLOT INLET #8	ENDWALL#1	ENDWALL#2
RIM 987.65 INV 986.01 DEPTH 1.64 POLYMER CONCRETE BASIN W/ TRASH BUCKET	RIM 987.65 INV 986.01 DEPTH 1.64 POLYMER CONCRETE BASIN W/ TRASH BUCKET	RIM 987.65 INV 986.01 DEPTH 1.64 POLYMER CONCRETE BASIN W/ TRASH BUCKET	RIM 987.65 INV 986.01 DEPTH 1.64 POLYMER CONCRETE BASIN W/ TRASH BUCKET	RIM 987.65 INV 986.01 DEPTH 1.64 POLYMER CONCRETE BASIN W/ TRASH BUCKET	RIM 987.65 INV 986.01 DEPTH 1.64 POLYMER CONCRETE BASIN W/ TRASH BUCKET	RIM 987.65 INV 986.01 DEPTH 1.64 POLYMER CONCRETE BASIN W/ TRASH BUCKET	RIM 980.50 INV 980.50 DEPTH 1.64 POLYMER CONCRETE BASIN W/ TRASH BUCKET	RIM 986.68 INV 986.68 DEPTH 1.64 POLYMER CONCRETE BASIN W/ TRASH BUCKET

UTILITY LEGEND:

PROPOSED STORM MANHOLE	⊗	C113
PROPOSED STORM INLET	⊙	C115
PROPOSED FLAT PANEL UNDERDRAIN IN SYNTHETIC FIELD	---	
PROPOSED STORM PIPE	---	
PROPOSED STORM DRAIN (SEE PLAN FOR LOCATION)	---	
PROPOSED TRENCH DRAIN (SEE PLAN FOR LOCATION)	---	
PROPOSED SLOT INLET (SEE PLAN FOR LOCATION)	⊗	C113
PROPOSED WATER MAIN	--- WM --- WM --- WM ---	
PROPOSED SANITARY SEWER	--- SS --- SS --- SS ---	
PROPOSED RETAINING WALL 4" PERFORATED STORM W/ SOCK (SEE STRUCTURAL PLANS FOR PLACEMENT BY WALL)	--- 4ST --- 4ST --- 4ST ---	
PROPOSED WATER CORPORATION	⊕	C115
STORM SEWER ENDWALL STRUCTURE	△	C115

GENERAL NOTES:

- GRADE, LINE, AND LEVEL TO BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
- COORDINATE ALL UTILITY WORK WITH GAS, ELECTRICAL (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE), CABLE AND TELEPHONE CONSTRUCTION AND RESPECTIVE TRADES RESPONSIBLE FOR INSTALLATION OF SAID UTILITIES.
- COORDINATE ALL WORK WITHIN THE PUBLIC RIGHT OF WAY WITH THE LOCAL MUNICIPALITY.
- THE PROPOSED WATER MAIN SHALL HAVE A MINIMUM COVER OF 6'-0" TO THE TOP OF PIPE FROM THE PROPOSED FINISHED GRADES, UNLESS OTHERWISE STATED ON PLANS, SEE GRADING PLAN FOR PROPOSED GRADES.
- THE MUNICIPALITY SHALL BE CONTACTED PRIOR TO ANY EXCAVATION IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL HAVE HIS TRAFFIC CONTROL PLAN APPROVED PRIOR TO WORK COMMENCING. THE MUNICIPALITY SHALL OPERATE ALL EXISTING WATER VALVES IF FIELD VERIFIED.
- FIELD VERIFY LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITY CONNECTIONS PRIOR TO INSTALLATION.
- ALL REQUIRED PUBLIC LOCATES AND PRIVATE UTILITY LOCATES SHALL BE ORDERED AND PAID FOR BY EACH CONTRACTOR REQUIRING THE LOCATE SERVICE.



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1201 O St. Suite 310
Lincoln, NE 68508
Engr. Project #18050

Project Title: **GLENWOOD COMMUNITY SCHOOL DISTRICT
ATHLETIC COMPLEX IMPROVEMENTS**

Project Location: 400 SIVERS RD.
GLENWOOD, IA 51534

Sheet Title: **Details**

HSR Project Number:

18004

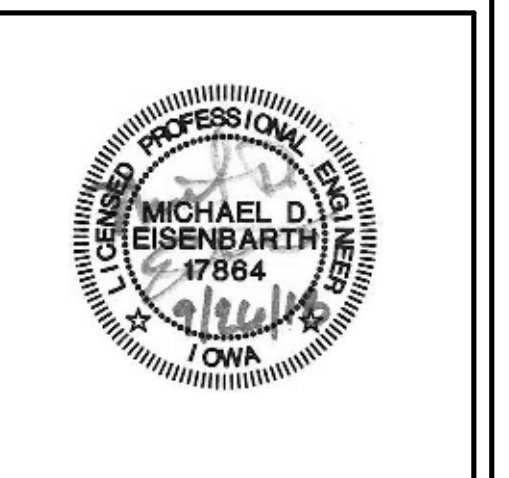
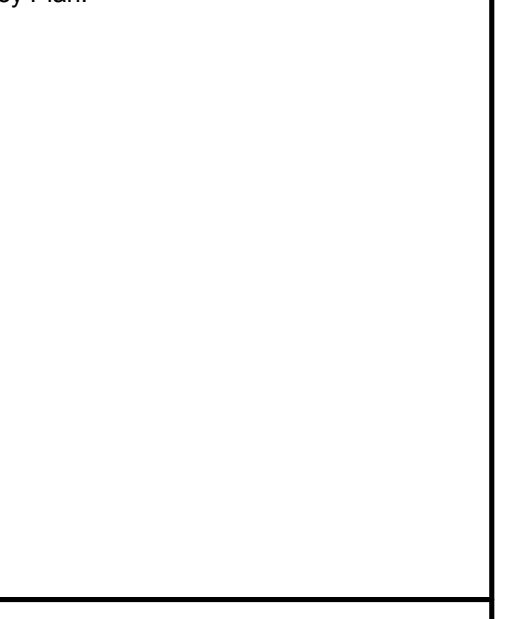
Project Date:

9/26/2018

Drawn By:

mwo

Key Plan:

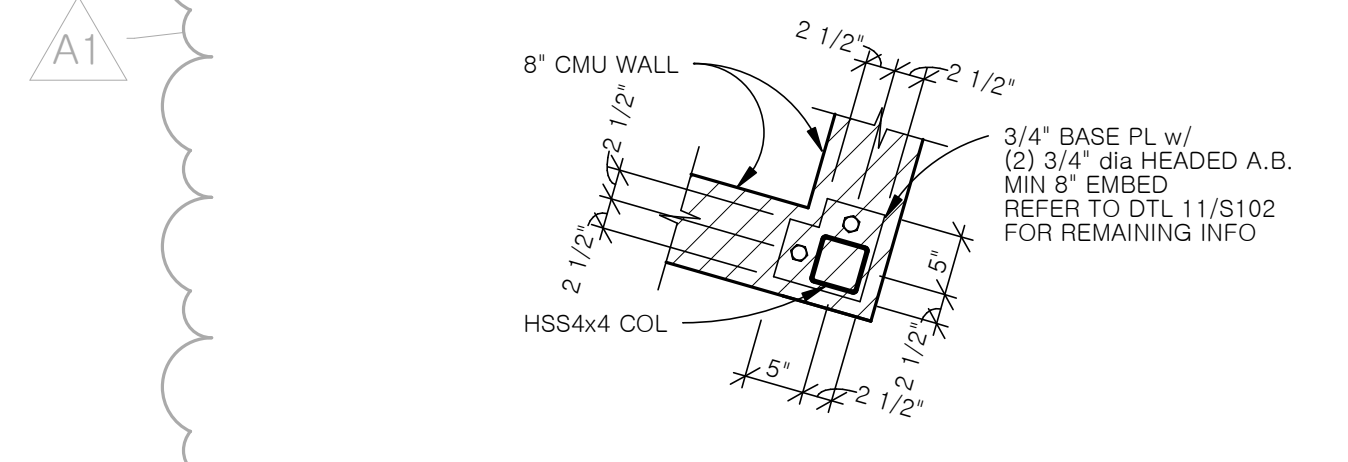


No.	Description	Date
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A2	ADDENDUM 2	10/6/2018

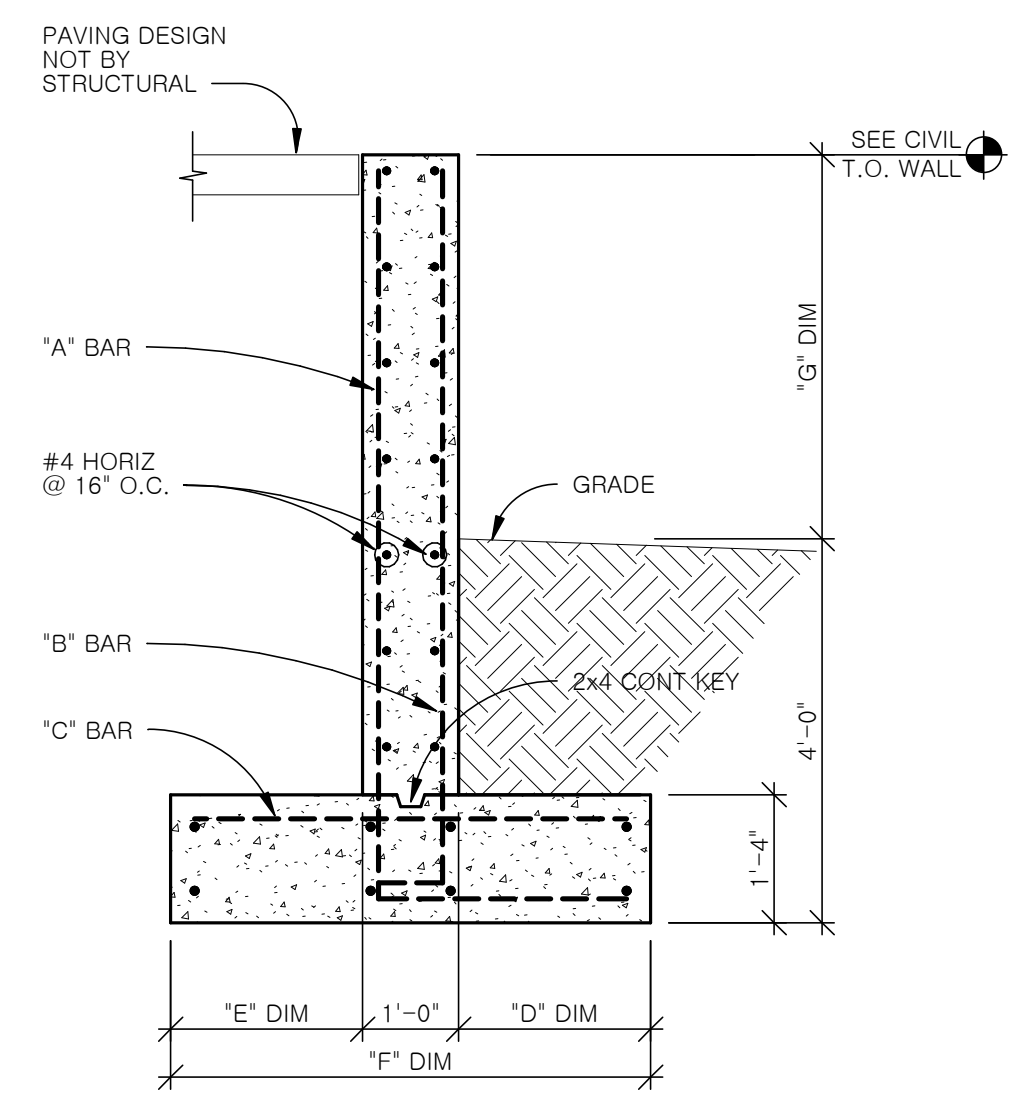
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S302R

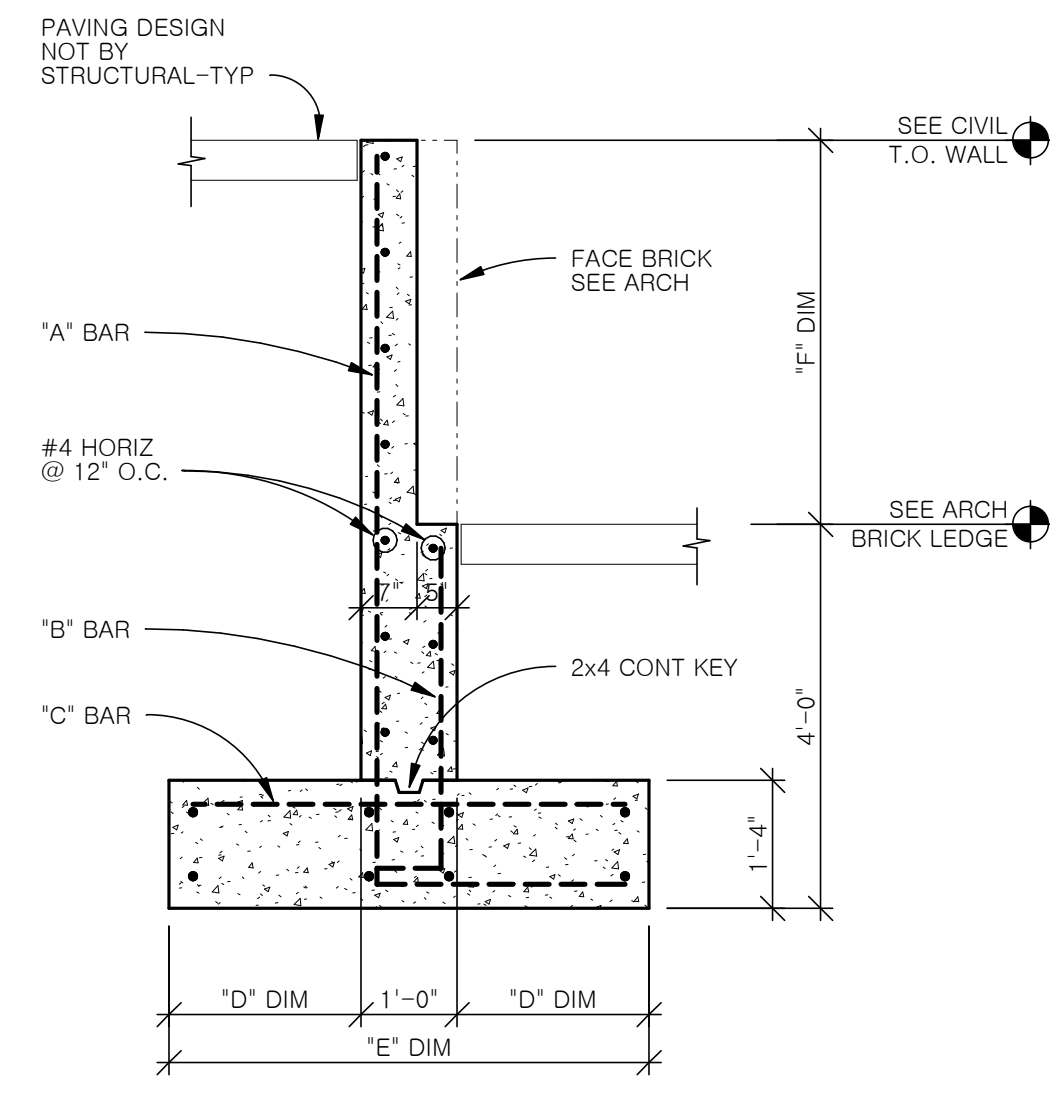


3 BASE PLATE DTL
3/4" = 1'-0"



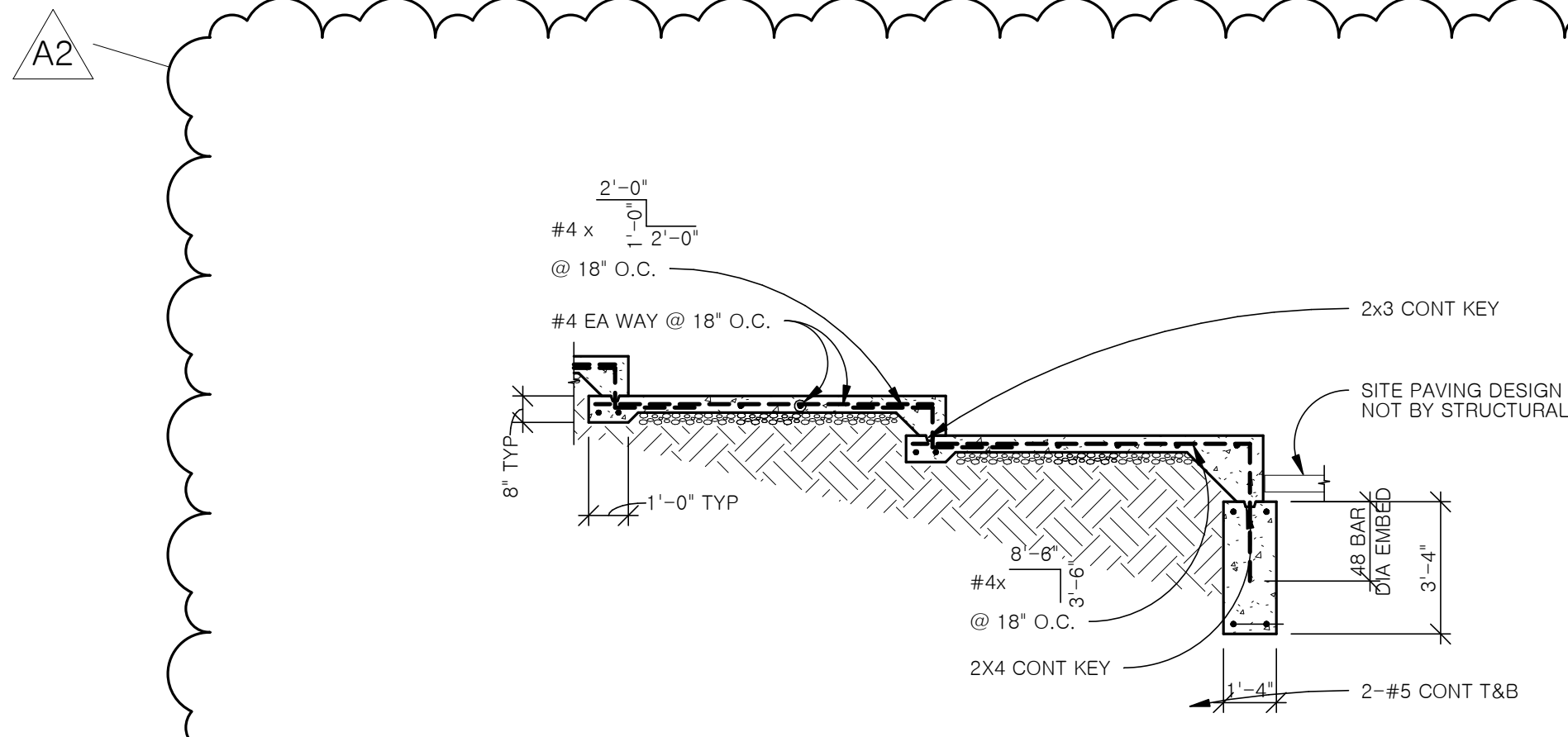
WALL TYPE	A	B	C	D	E	F	G
III	#5 @ 18" O.C. w/ 90deg STD HOOK	#4 @ 18" O.C. w/ 90deg STD HOOK	NOT REQ	1'-0"	3'-0"	5'-0"	2'-0" MAX
IV	#5 @ 14" O.C. w/ 90deg STD HOOK	#4 @ 18" O.C. w/ 90deg STD HOOK	NOT REQ	1'-6"	4'-2"	6'-8"	5'-0" MAX

2 RETAINING WALL DTL
1/2" = 1'-0"

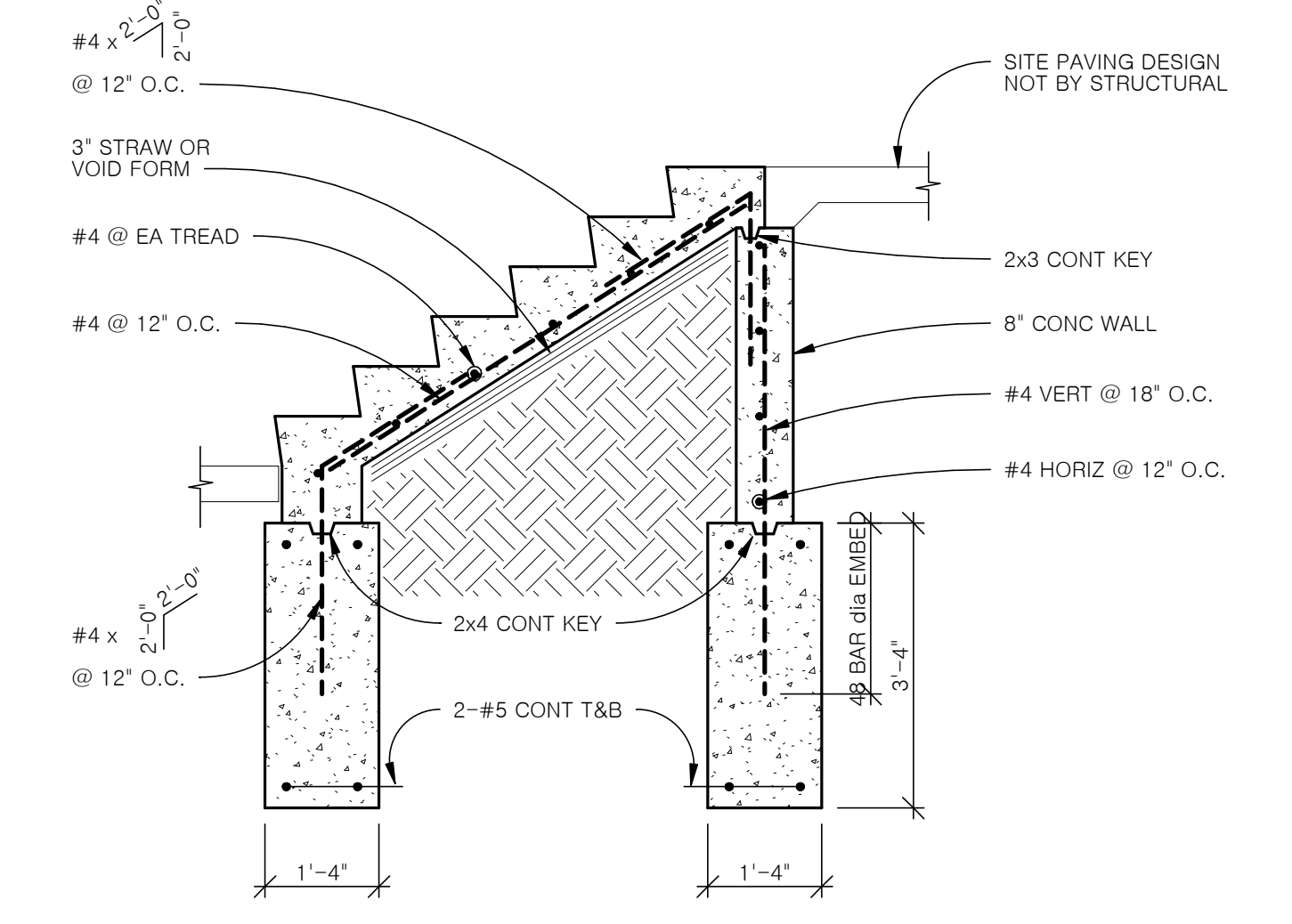


WALL TYPE	A	B	C	D	E	F
I	#5 @ 18" O.C. w/ 90deg STD HOOK	#4 @ 18" O.C. w/ 90deg STD HOOK	NOT REQ	1'-8"	3'-8"	1'-0" MAX
II	#5 @ 12" O.C. w/ 90deg STD HOOK	#4 @ 18" O.C. w/ 90deg STD HOOK	NOT REQ	2'-9"	6'-6"	5'-0" MAX

1 RETAINING WALL DTL
1/2" = 1'-0"



5 DTL AT SEAT STEPS
1/4" = 1'-0"

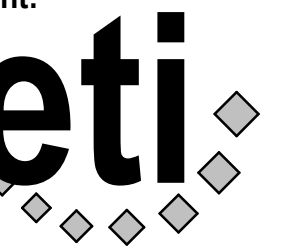


4 TYP DTL AT SITE STAIR
1/2" = 1'-0"

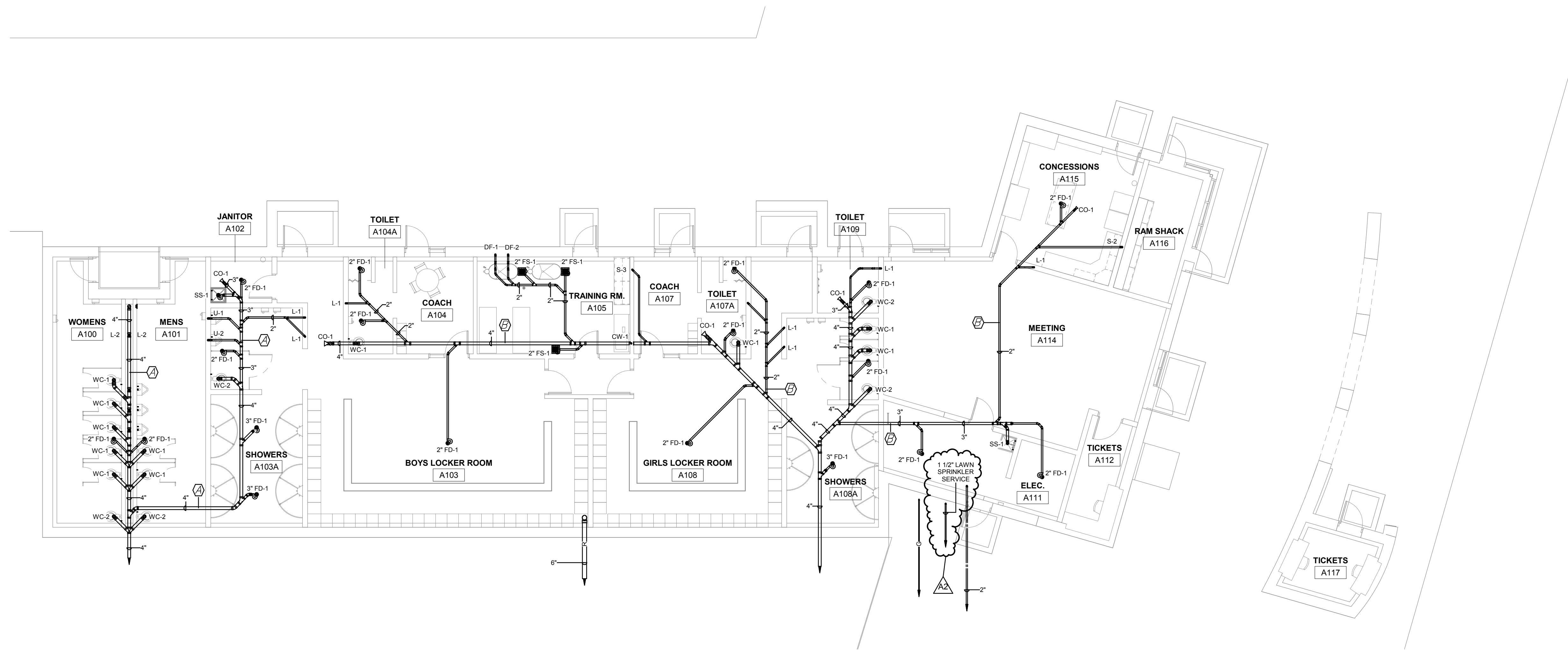


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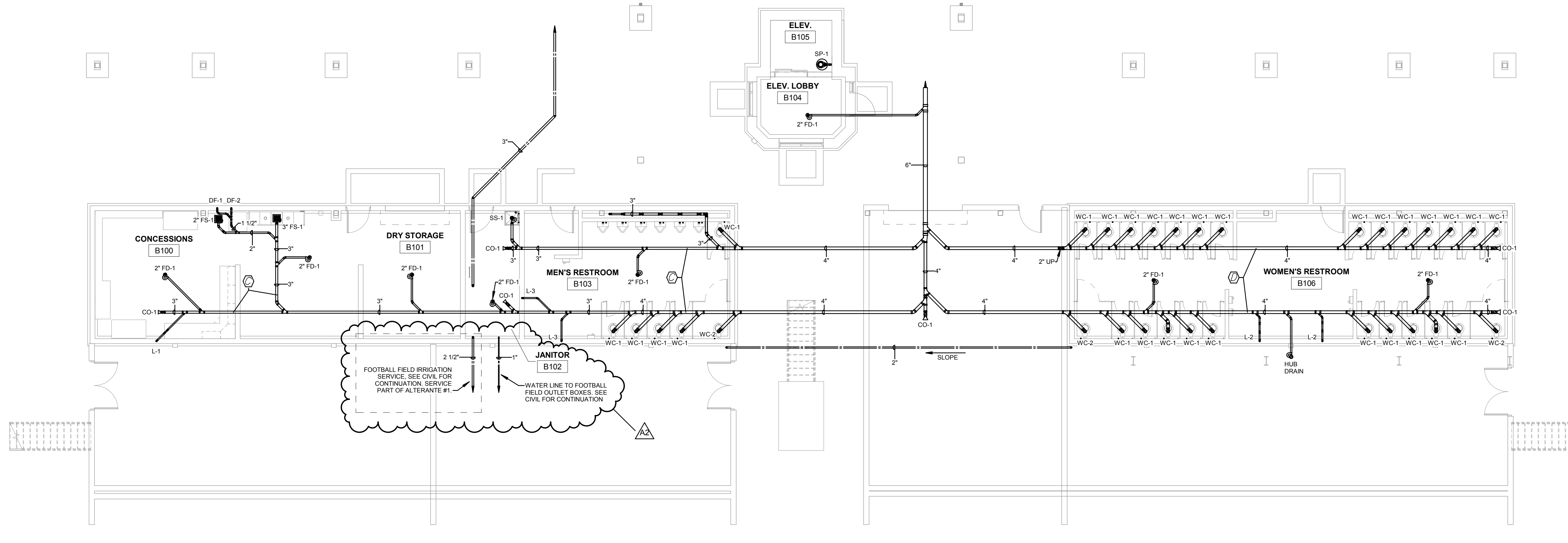
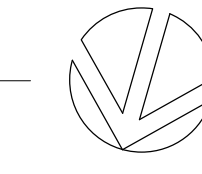
Consultant:



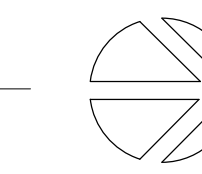
Engineering Technologies Inc.
Mechanical & Electrical Building Solutions
825 M Street, Suite 200 | Lincoln, NE 68508
P 402-478-0273 | F 402-478-0274
1111 N. 15th St., Suite 215 | Omaha, NE 68102
P 402-330-2772 | F 402-330-2630
ETI Project No: 2018-113



1 SANITARY BELOW LOCKERS
1/8" = 1'-0"



2 SANITARY BELOW STADIUM
1/8" = 1'-0"



GLENWOOD COMMUNITY SCHOOL DISTRICT
ATHLETIC COMPLEX IMPROVEMENTS - BID PACK #2
 Project Location: 400 SIVERS RD.
 GLENWOOD, IA 51534
 Sheet Title: **GATEWAY & STADIUM UNDERFLOOR PLUMBING PLANS**

Project Title:
Project Location:
Sheet Title:

HSR Project Number:
18005

Project Date:
SEPTEMBER 2018

Drawn By:
TJM

Key Plan:

No.	Description	Date
A2	ADDENDUM #2	10.08.2018

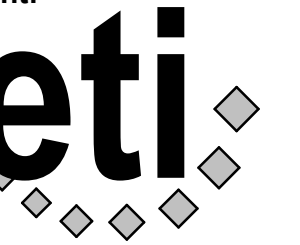
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Last Update:
10/8/2018 09:48:59

P100R



Consultant:



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Mechanical & Electrical Building Solutions
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1111 N. 5th St., Suite 215 | Omaha, NE 68102
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ETI Project No: 2018-113

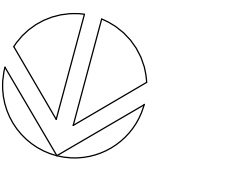
Project Title: **GLENWOOD COMMUNITY SCHOOL DISTRICT
ATHLETIC COMPLEX IMPROVEMENTS - BID PACK #2**
 Project Location: **400 SIVERS RD.
GLENWOOD, IA 51534**
 Sheet Title: **FIRST FLOOR GATEWAY BUILDING PLUMBING PLAN**

HSR Project Number: **18005**

Project Date: **SEPTEMBER 2018**

Drawn By: **TJM**

Key Plan:



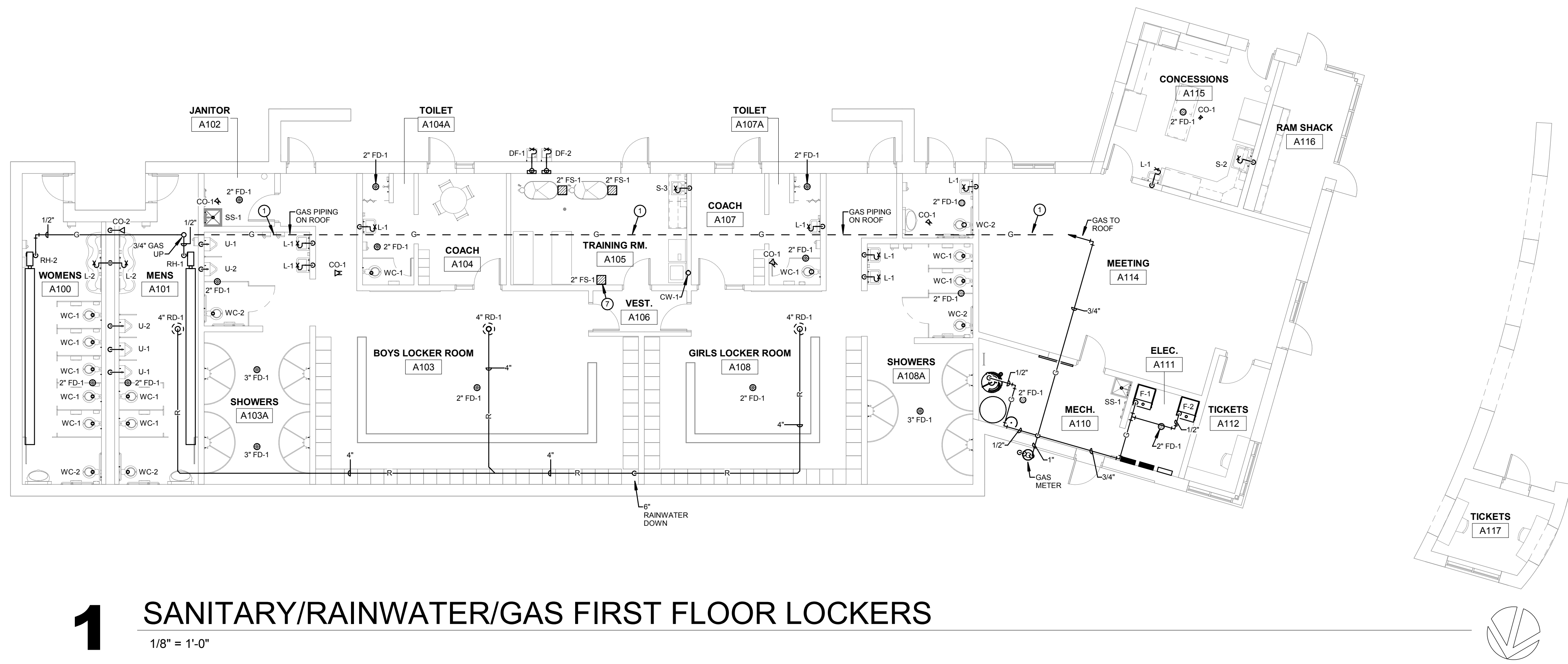
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No.	Description	Date
A2	ADDENDUM #2	10.08.2018

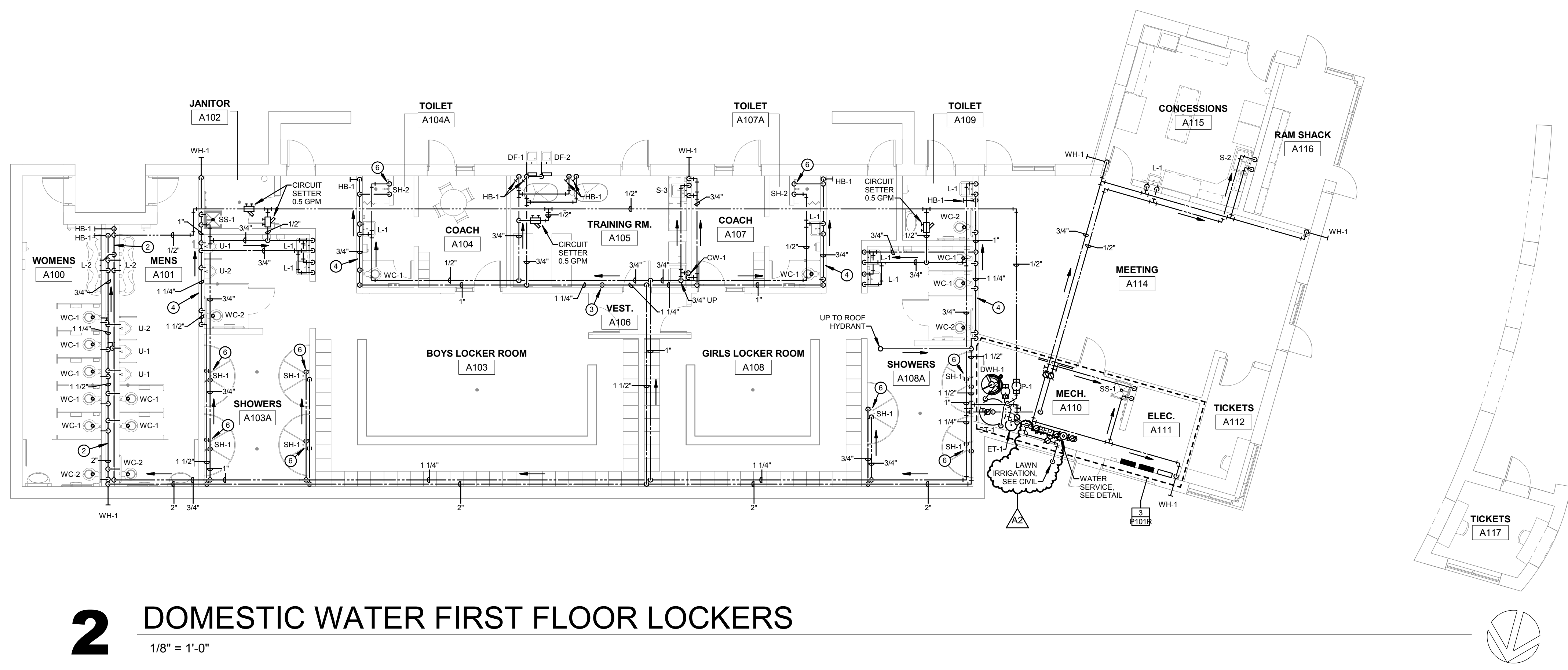
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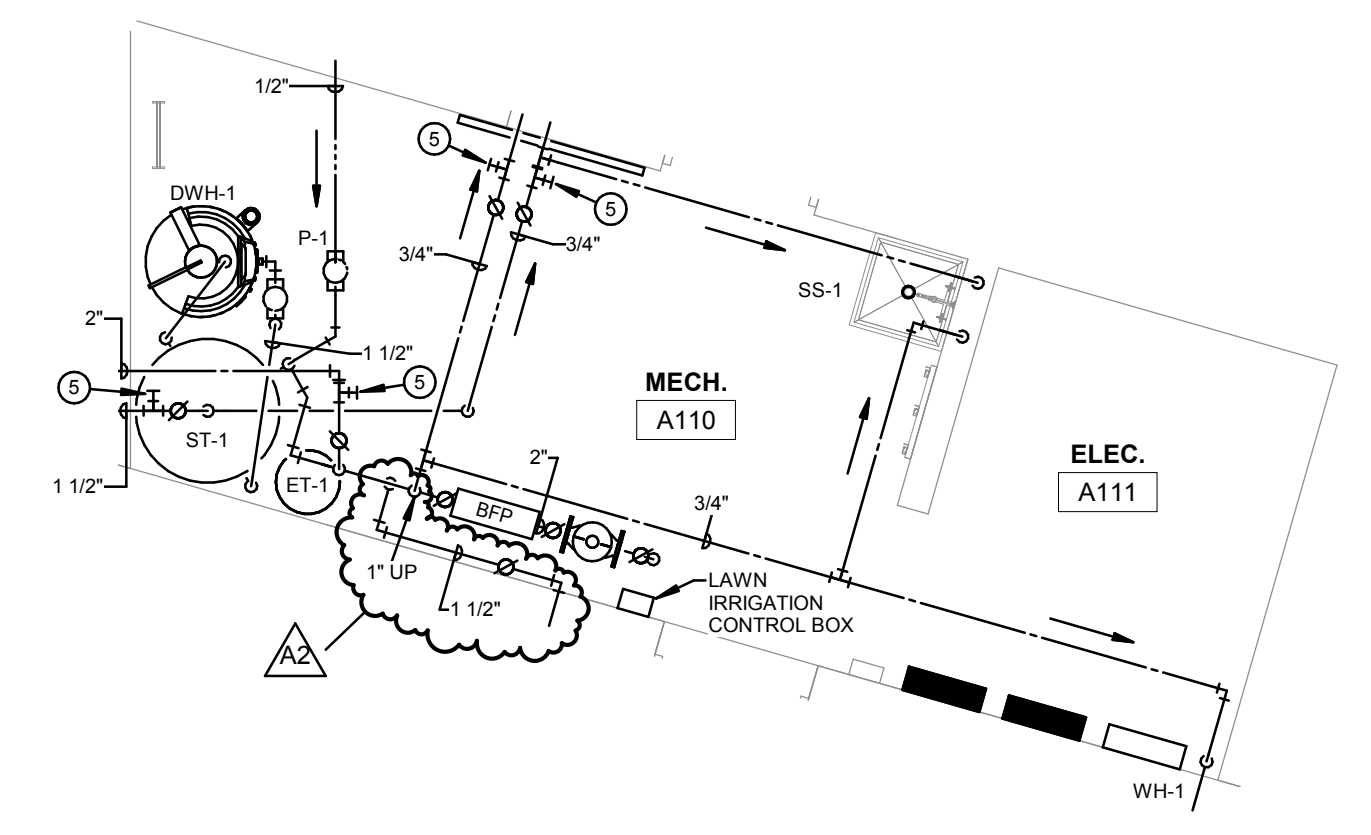
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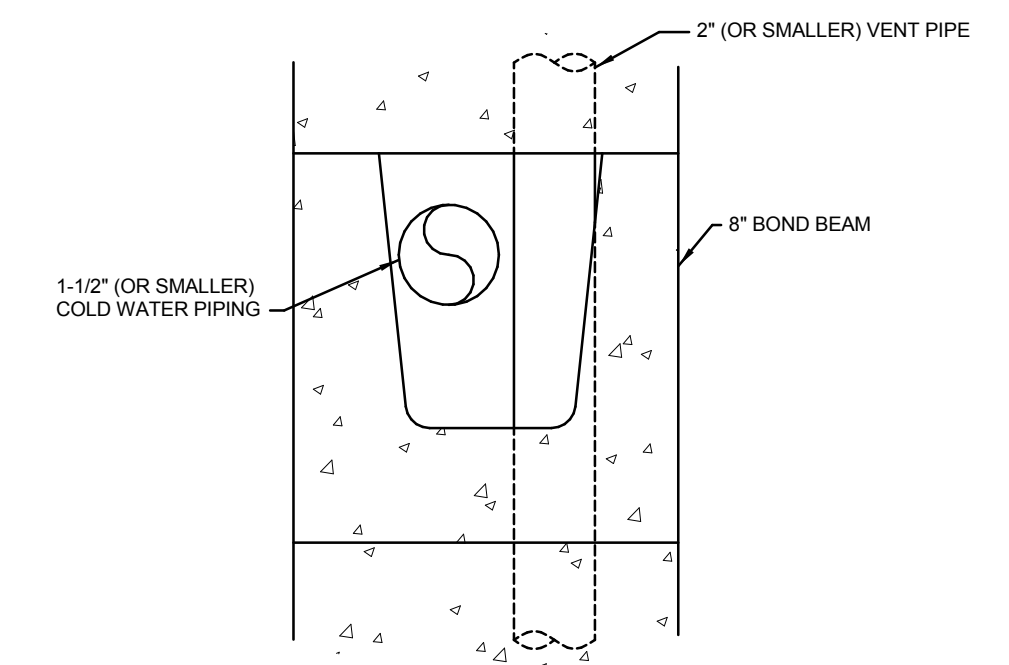
1 SANITARY/RAINWATER/GAS FIRST FLOOR LOCKERS
1/8" = 1'-0"



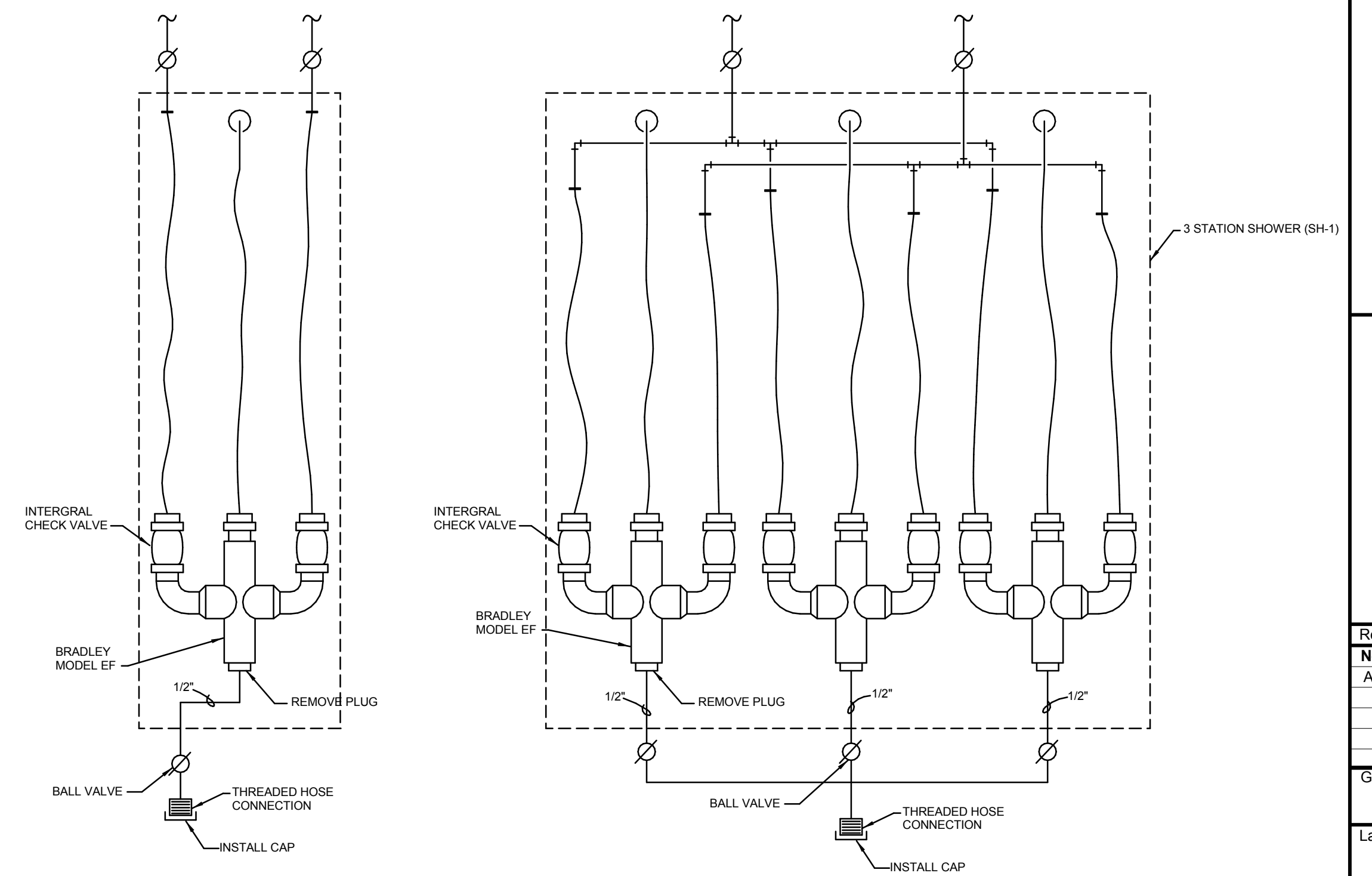
2 DOMESTIC WATER FIRST FLOOR LOCKERS
1/8" = 1'-0"



3 DOMESTIC WATER MECHANICAL ROOM ENLARGED PLAN
1/4" = 1'-0"



4 BOND BEAM PLUMBING DETAIL
12" = 1'-0"

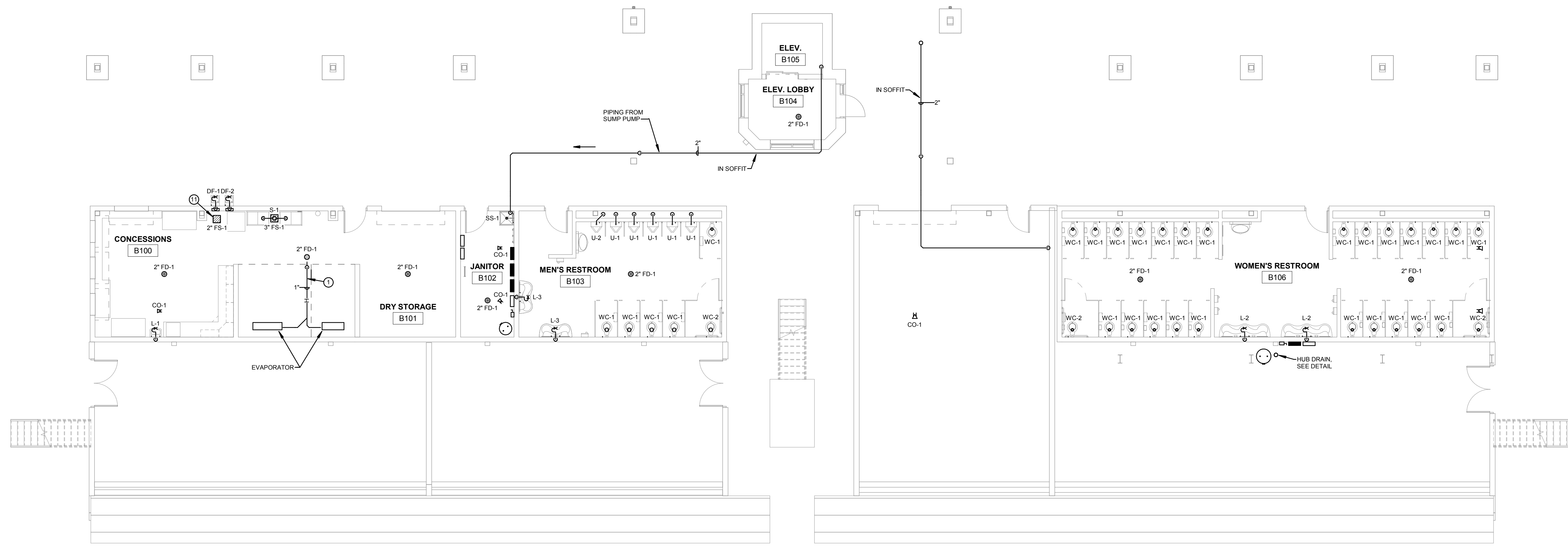


5 SHOWER DRAIN EXTENSION DETAIL
12" = 1'-0"



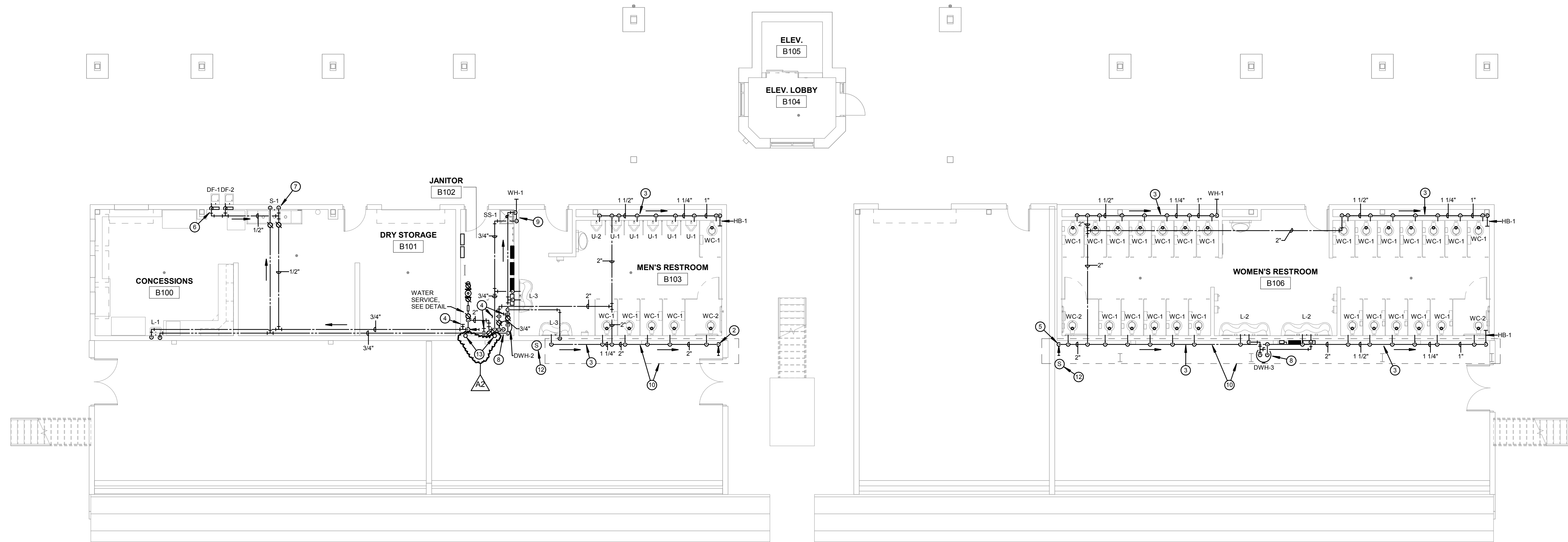
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ETI Project No: 2018-113

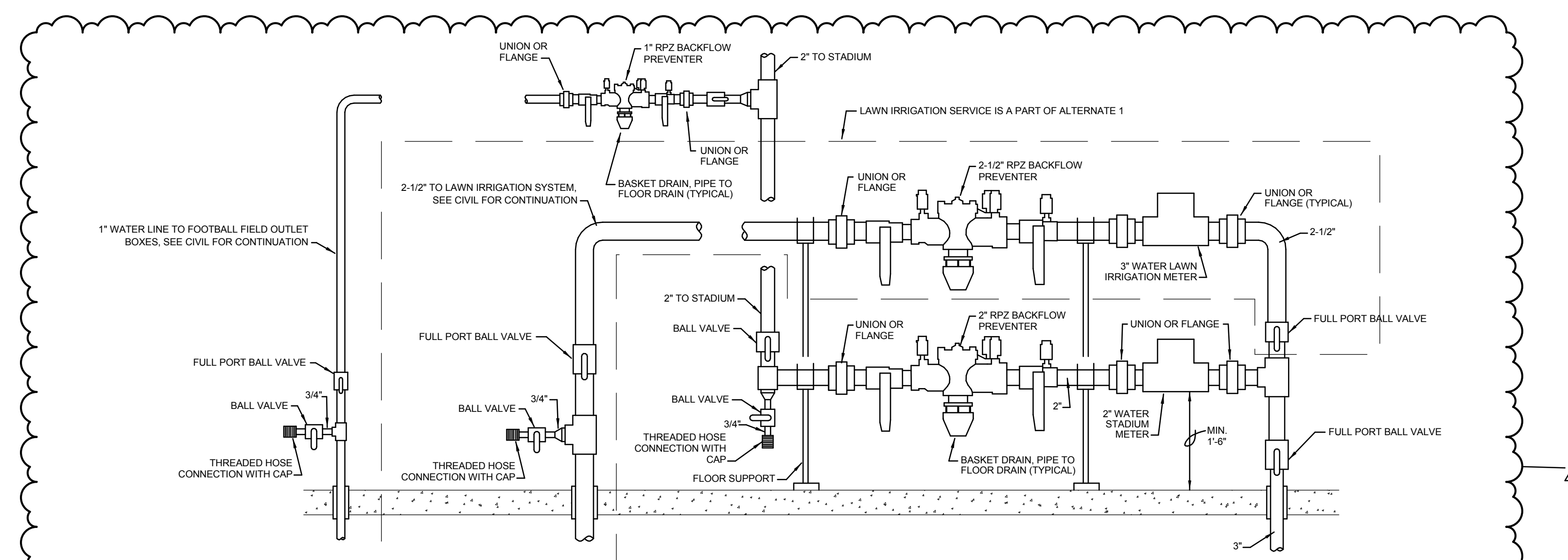


- ① SHEET NOTES**
- 1 EXTEND HUMIDITY DRAIN FROM EVAPORATOR TO FLOOR DRAIN. INSULATE PIPING IN FREEZER.
 - 2 SEE DETAIL ON SHEET P103.
 - 3 INSTALL PIPE AT 1" ABOVE FINISHED FLOOR AND SLOPE TOWARDS HOSE BIB/WALL HYDRANT.
 - 4 3/4" BALL VALVE AND THREADED HOSE CONNECTION FOR CONNECTION OF COMPRESSED AIR FOR WINTERIZATION.
 - 5 INSTALL BALL VALVE WITH THREADED HOSE CONNECTION DOWNSTREAM OF 2" BALL VALVE. USE TO CONNECT COMPRESSED AIR FITTING FOR WINTERIZATION.
 - 6 PROVIDE 1/2" COLD WATER SUPPLY TO ICE MACHINE. PROVIDE SHUT OFF VALVE AND BACKFLOW DEVICE AS REQUIRED PER LOCAL CODES.
 - 7 SEE "THREE COMPARTMENT SINK DETAIL" ON SHEET P103.
 - 8 SEE "DWH-2/DWH-3 DOMESTIC WATER HEATER DETAIL" ON SHEET P103.
 - 9 COORDINATE WITH WALL CONTRACTOR LOCATION OF BOND BEAM REQUIRED FOR HORIZONTAL PLUMBING PIPING.
 - 10 DOMESTIC WATER EXPOSED IN THE STORAGE ROOM SHALL HAVE HEAT TAPE AND ADDITIONAL PIPE INSULATION TO PREVENT FREEZING. HEAT TAPE SHALL BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR. TEMPERATURE CONTROL CONTRACTOR SHALL PROVIDE THE CONTROLS. SEE SPECIFICATIONS.
 - 11 EXTEND DRAIN FROM ICE MACHINE TO FS-1.
 - 12 TEMPERATURE SENSOR TO BE INSTALLED FOR HEAT TAPE ON DOMESTIC WATER.
 - 13 WATER SERVICE LINE TO EAST WALL OF JANITOR B102 AND DROP ALONG WALL DOWN BELOW GRADE. SEE "STADIUM WATER SERVICE DETAIL" FOR REQUIREMENTS AND CONTINUATION SHOWN ON P100. UNDER ALTERNATE #1 A 2-1/2" LAWN IRRIGATION SERVICE LINE SHALL BE EXTENDED TO EAST WALL OF JANITOR B102 AND DROPPED ALONG WALL DOWN BELOW GRADE. SEE "STADIUM WATER SERVICE DETAIL" FOR REQUIREMENTS AND CONTINUATION SHOWN ON SHEET P100.

1 SANITARY FIRST FLOOR STADIUM
1/8" = 1'-0"



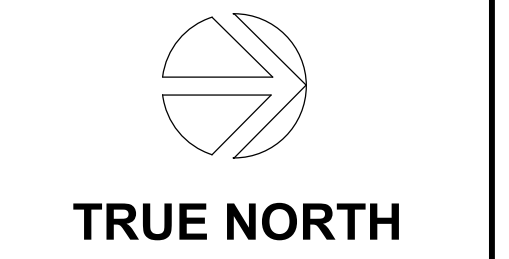
2 DOMESTIC WATER FIRST FLOOR STADIUM
1/8" = 1'-0"



3 STADIUM WATER SERVICE DETAIL
NOT TO SCALE

GLENWOOD COMMUNITY SCHOOL DISTRICT
ATHLETIC COMPLEX IMPROVEMENTS - BID PACK #2
 Project Location: 400 SIVERS RD.
 GLENWOOD, IA 51534
 Project Title: **FIRST FLOOR STADIUM PLUMBING PLAN**

Project Number: **18005**
Project Date: **SEPTEMBER 2018**
Drawn By: **TJM**



Revisions:

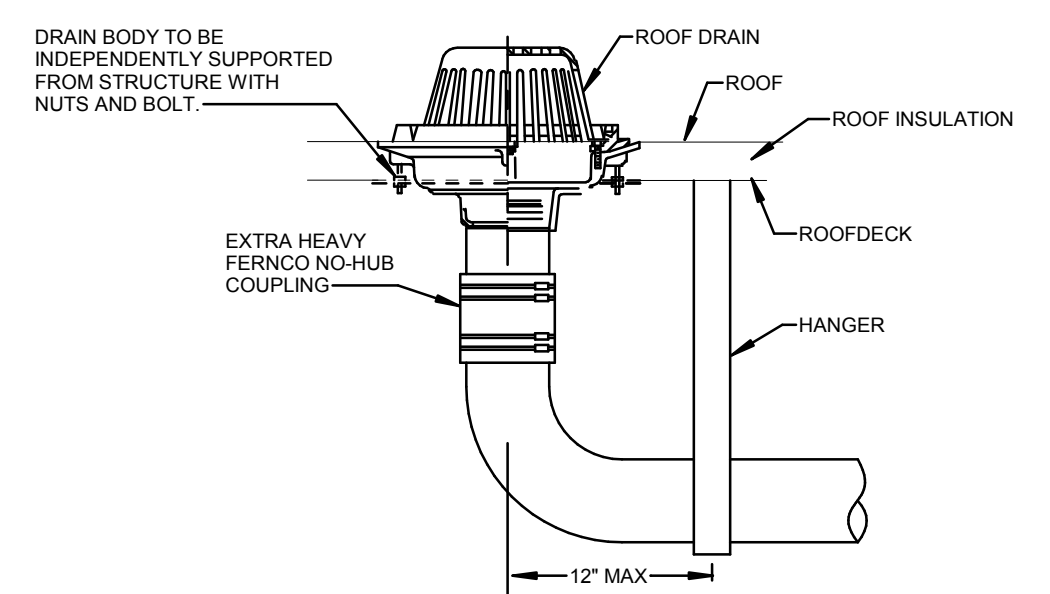
No.	Description	Date
A2	ADDENDUM #2	10.08.2018

Graphic Scale: **VARIES**
Last Update: **10/8/2018 09:49:07**

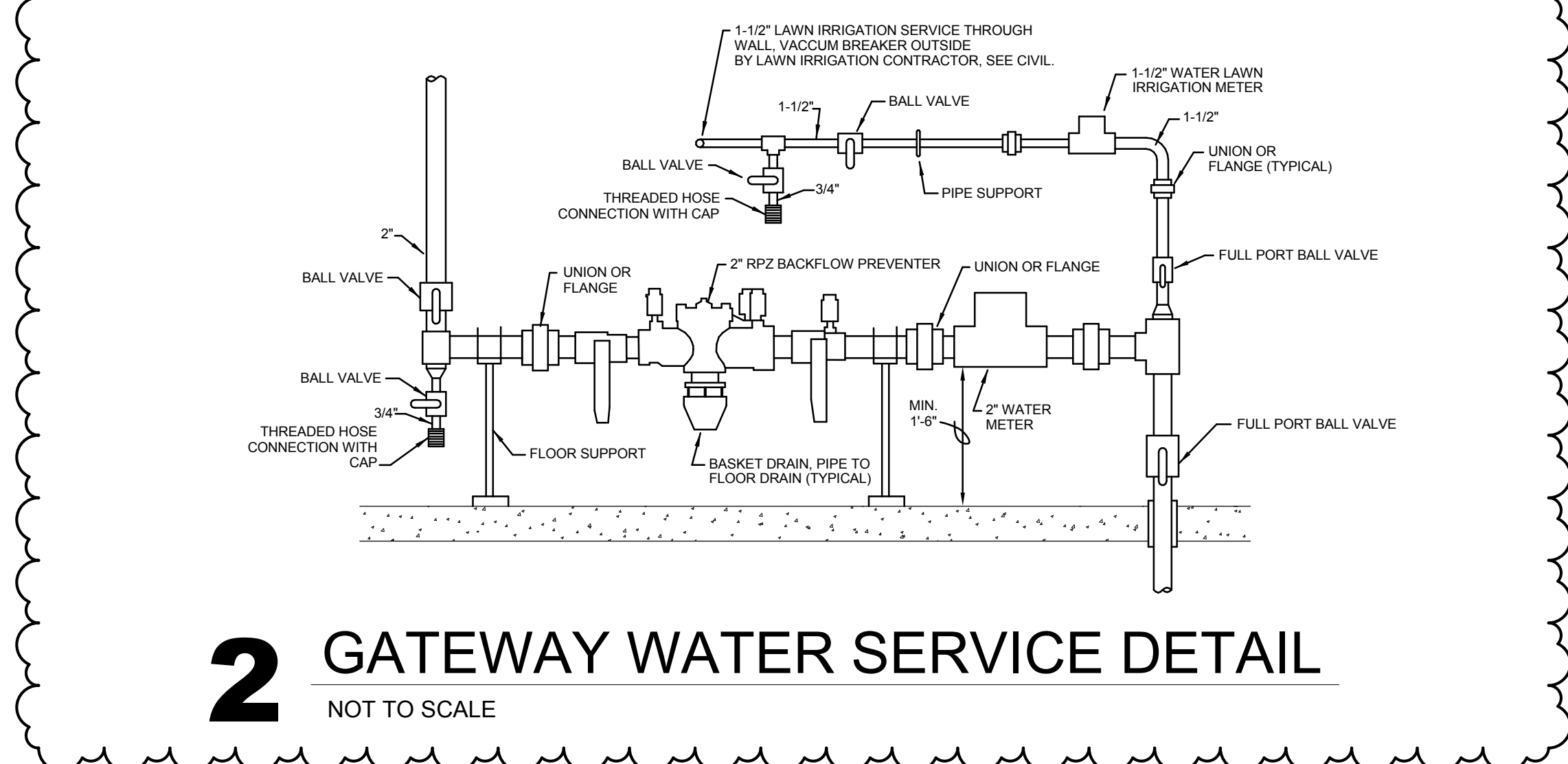
P102R

PLUMBING SYMBOLS

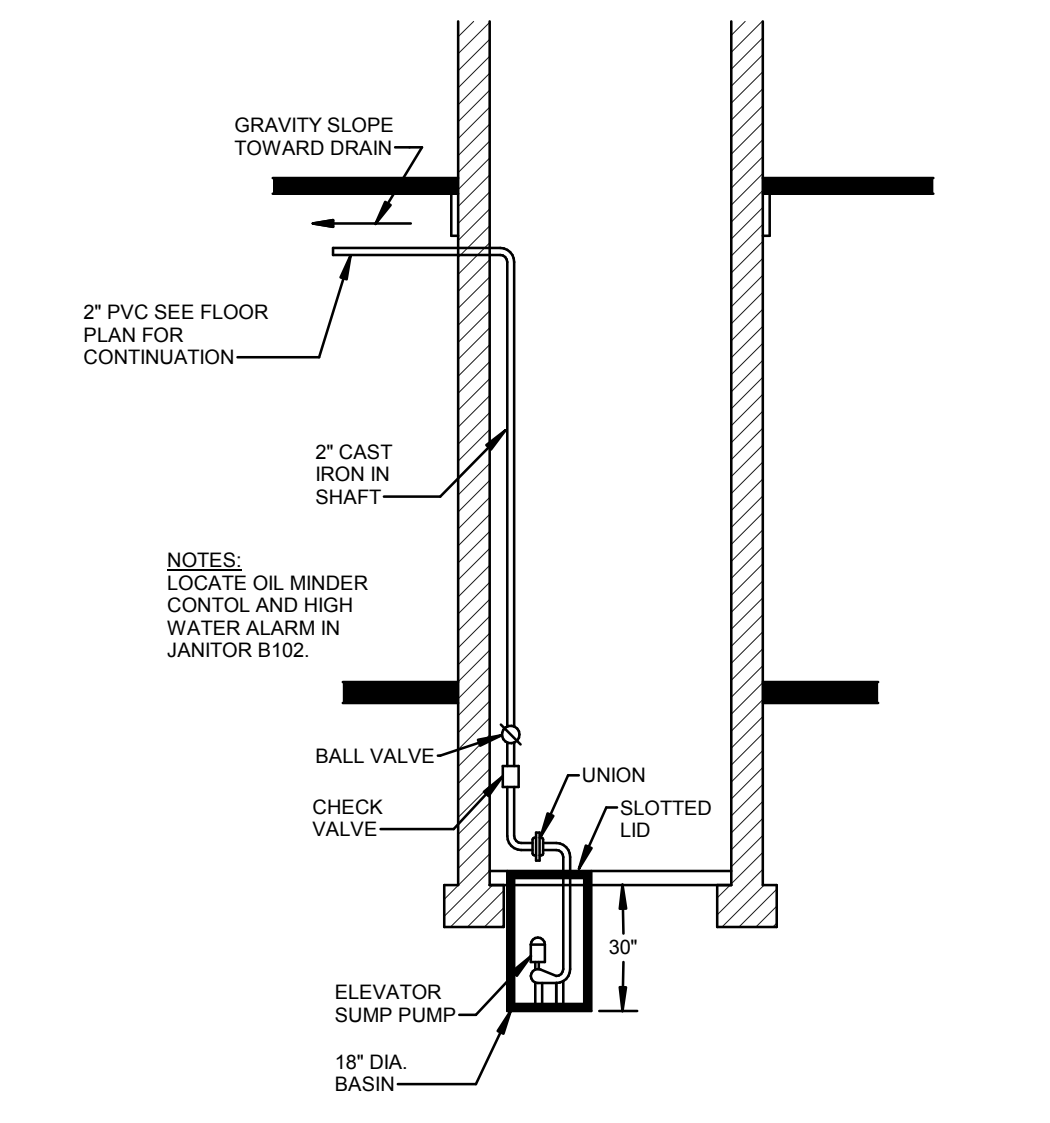
- NOTE REFERENCE
- KITCHEN EQUIPMENT TAG
- DETAIL IDENTIFICATION
- SECTION IDENTIFICATION
- ELECTRICAL PANEL
- PIPING ABOVE FLOOR OR ABOVE GROUND
- PIPING BELOW FLOOR OR UNDER GROUND
- SOIL AND WASTE PIPING ABOVE GRADE
- SOIL AND WASTE PIPING BELOW GRADE
- RAINWATER PIPING
- OVERFLOW RAINWATER PIPING
- VENT PIPING ON PLUMBING RISER
- DOMESTIC COLD WATER PIPING
- DOMESTIC HOT WATER PIPING
- HOT WATER CIRCULATING PIPING
- GAS PIPING
- HUMIDITY DRAIN PIPING
- ELBOW DOWN AND ELBOW UP
- TEE DOWN AND TEE UP
- BALL VALVE
- VALVE IN VERTICAL PIPING
- PIPING STRAINER
- CHECK VALVE
- PRESSURE REDUCING AND REGULATING VALVE
- AUTOMATIC FLOW CONTROL VALVE
- GAS METER
- WATER METER
- FLOOR DRAIN
- FLOOR SINK
- ROOF DRAIN
- OVERFLOW ROOF DRAIN
- DN
- DN
- WH
- HB
- CO
- BELOW FLOOR OR UNDER GROUND P-TRAP
- P-TRAP THAT SERVES FIXTURE ON FLOOR ABOVE
- P-TRAP
- PIPE CAP
- PIPE BREAK MARK



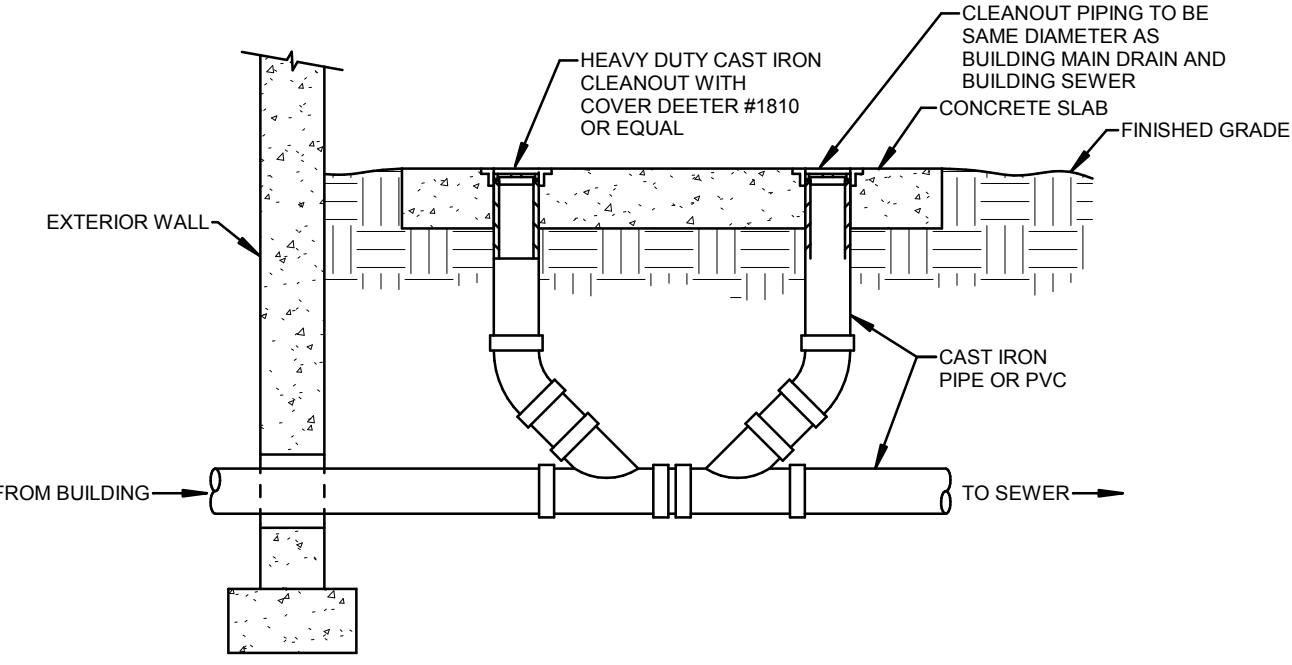
1 ROOF DRAIN DETAIL
NOT TO SCALE



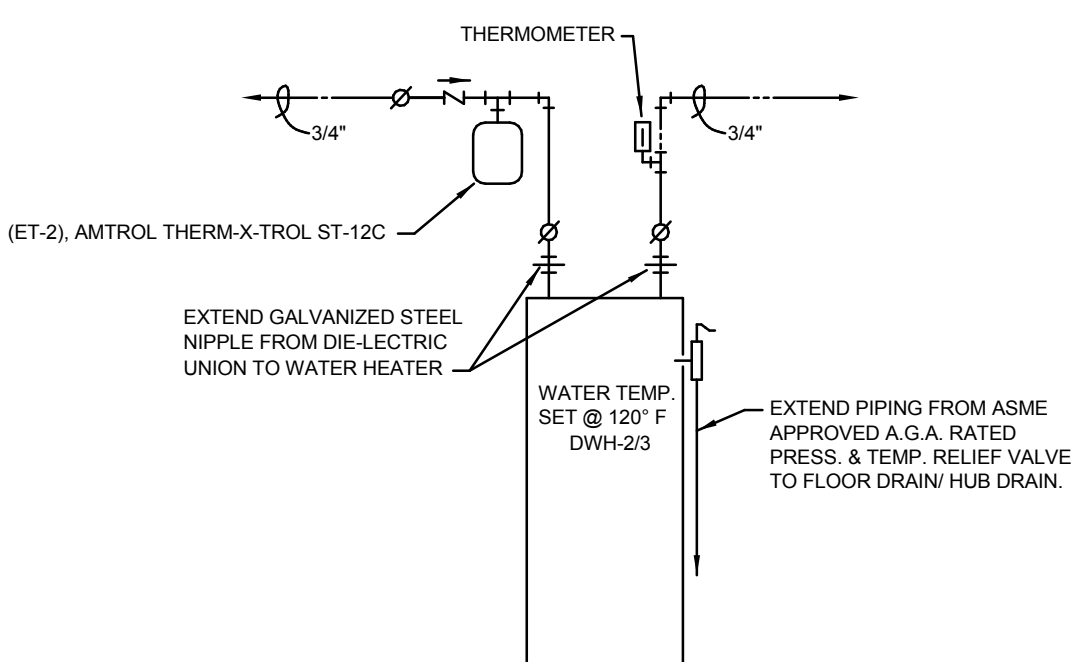
2 GATEWAY WATER SERVICE DETAIL
NOT TO SCALE



3 ELEVATOR PIT SUMP PUMP DETAIL
NOT TO SCALE



4 DOUBLE EXTERIOR CLEANOUT DETAIL
NOT TO SCALE



11 (DWH-2/DWH-3) DOMESTIC WATER HEATER DETAIL
NOT TO SCALE

MARK	FUNCTION	MANUFACTURER AND MODEL (OR PRIOR APPROVED EQUAL)	WASTE	VENT	CW	HW	NOTE
CD-1	CLEAN OUT	JAY R. SMITH MODEL 4020 FOR FLOORS, CAST IRON, WITH ROUND ADJUSTABLE NICKEL BRONZE TOP, IF FLOOR IS CARPETED USE TYPE A.					SEE PLAN FOR SIZE
CD-2	CLEAN OUT	JAY R. SMITH MODEL 4710 FOR WALLS, STAINLESS STEEL, ROUND, SHALLOW COVER.					SEE PLAN FOR SIZE
CW-1	CLOTHES WASHER BOX	GLY GRAY MODEL WB200 ROUGH-IN BOX, HOT & COLD VALVES WITH SINGLE LEVER SHUT-OFF AND FITTINGS FOR 2" DRAIN.	2"	1 1/2"	1/2"	1/2"	
DF-1	DRINKING FOUNTAIN TYPE 1	BOYLE IS 18 GAUGE TYPE 304 STAINLESS STEEL CONSTRUCTION, SATIN FINISH WITH ROUNDED CORNERS, VANDAL RESISTANT BOTTOM PLATE. VALVE IS FREEZE RESISTANT, PNEUMATIC OPERATED AND MOUNTED IN A CABINET INSTALLED ON THE INSIDE WALL. WHEN VALVE IS TURNED OFF, THE WATER IS TO DRAIN FROM THE SUPPLY LINE. BUBBLER HEAD IS POLISHED CHROME-PLATED BRASS WITH INTEGRAL SHANK. 0.45 GPM FLOW. HAWS MODEL 1105RF, PROVIDE WITH HAWS MODEL 1067FR FREEZE RESISTANT IN-WALL VALVE. BUBBLER TO BE MOUNTED AT A HEIGHT OF 40" ABOVE FINISHED FLOOR.	1 1/2"	1 1/2"	1/2"		
DF-2	DRINKING FOUNTAIN TYPE 2	BOYLE IS 18 GAUGE TYPE 304 STAINLESS STEEL CONSTRUCTION, SATIN FINISH WITH ROUNDED CORNERS, VANDAL RESISTANT BOTTOM PLATE. VALVE IS FREEZE RESISTANT, PNEUMATIC OPERATED AND MOUNTED IN A CABINET INSTALLED ON THE INSIDE WALL. WHEN VALVE IS TURNED OFF, THE WATER IS TO DRAIN FROM THE SUPPLY LINE. BUBBLER HEAD IS POLISHED CHROME-PLATED BRASS WITH INTEGRAL SHANK. 0.45 GPM FLOW. HAWS MODEL 1105RF, PROVIDE WITH HAWS MODEL 1067FR FREEZE RESISTANT IN-WALL VALVE. BUBBLER TO BE MOUNTED AT A HEIGHT OF 34" FOR ADA COMPLIANCE.	1 1/2"	1 1/2"	1/2"		
FD-1	FLOOR DRAIN	SMITH MODEL 2010 CAST IRON WITH FLASHING COLLAR, SEEPAGE OPENINGS, ROUND ADJUSTABLE NICKEL BRONZE STRAINER.					SEE PLAN FOR SIZE
FB-1	FLOOR SINK	SMITH MODEL 3100 CAST IRON SQUARE FLOOR SINK, ACID RESISTANT COATED INTERIOR, 18 X 8 X 6 INCH TRAFFIC NICKEL BRONZE GRATE, SEEPAGE OPENINGS, ALUMINUM DOME STRAINER, FLANGE, WITH CLAMPING DEVICE. VERIFY TYPE OF GRATE WITH EACH APPLICATION.					
HB-1	HOSE BIBB	WOODGROF MODEL 24 WITH CP INLET, CHROME PLATED WITH ANTI SIPHON VACUUM BREAKER, AUTOMATIC DRAINING.				3/4"	
L-1	LAVATORY	AMERICAN STANDARD "LUCERNE" 0355 072, 4" CENTERS, VITREOUS CHINA, MOEN 9434 FAUCET WITH GRID DRAIN, DEARBORN 507 TRAP, WITH WADE OR SMITH CONCEALED WALL CARRIER. MOUNT TOP OF RIM AT 34" ABOVE FINISHED FLOOR. WASTE AND WATER SHALL BE COVERED WITH TRUBRO LAY GUARD 2 INSULATION KIT.	1 1/2"	1 1/2"	1/2"	1/2"	
L-2	LAVATORY	SLOAN SLOANSTONE 3 STATION WALL MOUNTED WASHSINK MODEL EW7000, SOLID SURFACE CONSTRUCTION, WITH SLOAN OPTIMA ELECTRIC SENSOR FAUCETS WITH RECESSED SENSORS, EASY ACCESS INTEGRATED HEAD, WITH DIAL INTEGRATED OVERFLOW, CHROME PLATED BRASS DRAINS AND GRID STRAINERS, CONCEALED CABINET FRAME IS 18 GAUGE 304 STAINLESS STEEL WITH 18 GAUGE BRUSHED STAINLESS STEEL FRONT PANEL, BELOW DECK THERMOSTATIC MIXING VALVE.	1 1/2"	1 1/2"	1/2"	1/2"	
L-3	LAVATORY	SLOAN SLOANSTONE 2 STATION WALL MOUNTED WASHSINK MODEL EW7000, SOLID SURFACE CONSTRUCTION, WITH SLOAN OPTIMA ELECTRIC SENSOR FAUCETS WITH RECESSED SENSORS, EASY ACCESS INTEGRATED HEAD, WITH DIAL INTEGRATED OVERFLOW, CHROME PLATED BRASS DRAINS AND GRID STRAINERS, CONCEALED CABINET FRAME IS 18 GAUGE 304 STAINLESS STEEL WITH 18 GAUGE BRUSHED STAINLESS STEEL FRONT PANEL, BELOW DECK THERMOSTATIC MIXING VALVE.	1 1/2"	1 1/2"	1/2"	1/2"	
RD-1	ROOF DRAIN	JAY R. SMITH MODEL 1010 CAST IRON WITH GRAVEL STOP, UNDER DECK CLAMP, SUMP RECEIVER, AND CAST IRON DOME.					SEE PLANS FOR SIZE
RH-1	FREEZE/SEAL ROOF HYDRANT	WOODGROF MODEL RHV2MS, 1 1/4" GALVANIZED PIPE CASING, DOUBLE CHECK BACKFLOW PREVENTER, AUTOMATIC DRAINING, ROOF BOOT, UNDER DECK FLANGE AND CLAMP.	1/8"			1"	
S-1	SINK	REGENCY 17" 18 GAUGE STAINLESS STEEL THREE COMPARTMENT SINK WITH 2 DRAINBOARDS, 17" X 17" X 12" BOWLS, REGENCY MODEL 600DT TWIST HANDLE WASTE VALVE AND STRAINER, 2" OUTLET, PROVIDE FOR ALL SINK OUTLETS, PROVIDE TMS BRASS 8033-B PRE-RINSE SPRING ACTION WALL MOUNTED SPRAYER AND TMS BRASS B-0159 ADD ON 12" LONG SWIVEL FAUCET ATTACHMENT.	2"	1 1/2"	1/2"	1/2"	
S-2	SINK	SINK TO BE PROVIDED BY ARCHITECT (SEE DIVISION 11, PROVIDE ELKAY LK243 GOOSENECK FAUCET, DEARBORN 111 STANDARD SINK BASKET STRAINER, P TRAP AND WATER STOPS.					
S-3	SINK	ELKAY DLR 1919 10, 19-1/2" X 19" X 10" DEEP, 18 GAUGE TYPE 304 STAINLESS STEEL, PROVIDE DECK MOUNT SINGLE LEVER CHROME FAUCET ELKAY MODEL LK500 WITH DEARBORN 510 TRAP AND 111 STANDARD SINK BASKET STRAINER.	1 1/2"	1 1/2"	1/2"	1/2"	
SH-1	SHOWER	BRADLEY ECONO-WALL 3 STATION SHOWER WS-3W, PROVIDE EF EQUA-FLO PRESSURE BALANCING VALVES FOR EXTENSION OF DRAIN AS SHOWN IN "SHOWER DRAIN EXTENSION DETAIL" ON SHEET P101. PROVIDE MULTI-STATION PARTITIONS.				3/4"	3/4"
SH-2	SHOWER	BRADLEY INDIVIDUAL WALL MOUNTED PIVOTING WALL SHOWER WS-1X, PROVIDE EF EQUA-FLO PRESSURE BALANCING VALVE FOR DRAIN EXTENSION AS SHOWN IN "SHOWER DRAIN EXTENSION DETAIL" ON SHEET P101.				1/2"	1/2"
SB-1	SERVICE SINK	FIAT MSB-2424, 24" X 24" RUGGED MOLDED STONE BASIN WITH FIAT 830-A SERVICE FAUCET, FIAT MODEL 889-CO MOP HANGER, FIAT MODEL 832-A HOSE AND BRACKET.	3"	1 1/2"	1/2"	1/2"	
U-1	URINAL	AMERICAN STANDARD "WASHBROOK" FLOWISE 899.001, 1.0 GPF VITREOUS CHINA, WASHOUT, WITH SLOAN ROYAL 196-1 0 FLUSH VALVE, MOUNT RIM AT 24" ROUGH-IN HEIGHT TO LIP, WITH WADE OR SMITH CONCEALED WALL CARRIER.	2"	1 1/2"		3/4"	
U-2	URINAL - ADA	AMERICAN STANDARD "WASHBROOK" FLOWISE 899.001, 1.0 GPF VITREOUS CHINA, WASHOUT, WITH SLOAN ROYAL 196-1 0 FLUSH VALVE AT STANDARD 17" ROUGH-IN HEIGHT TO LIP OR LOWER IF REQUIRED TO MEET ADA STANDARDS, WITH WADE OR SMITH CONCEALED WALL CARRIER.	2"	1 1/2"		3/4"	
WC-1	WATER CLOSET	AMERICAN STANDARD "WADERA" 3461 001 VITREOUS CHINA, FLOOR MOUNTED, TOP SPUD WITH SLOAN ROYAL 111 FLUSH VALVE, CHURCH BROOK SOLID PLASTIC OPEN FRONT WHITE SEAT, MOUNTING 17" FLOOR TO RIM.	4"	2"		1/2"	
WC-2	WATER CLOSET - ADA	AMERICAN STANDARD "WADERA" 3461 001 VITREOUS CHINA, FLOOR MOUNTED, TOP SPUD WITH SLOAN ROYAL 111 FLUSH VALVE, CHURCH BROOK SOLID PLASTIC OPEN FRONT WHITE SEAT, MOUNTING 17" FLOOR TO RIM, FLUSH VALVE HANDLE SHALL BE ON THE OPEN SIDE OF THE WATER CLOSET TO MEET ADA STANDARDS, IN REST ROOM IN WHICH THE OPEN SIDE IS NOT EASILY DETERMINED, THE CONTRACTOR SHALL VERIFY WITH THE ARCHITECT PRIOR TO ROUGH-IN.	4"	2"		1/2"	
WH-1	WALL HYDRANT	WOODGROF MODEL 67 WITH C INLET, CHROME PLATED WITH ANTI SIPHON VACUUM BREAKER, AUTOMATIC DRAINING.					3/4"

PUMP SCHEDULE

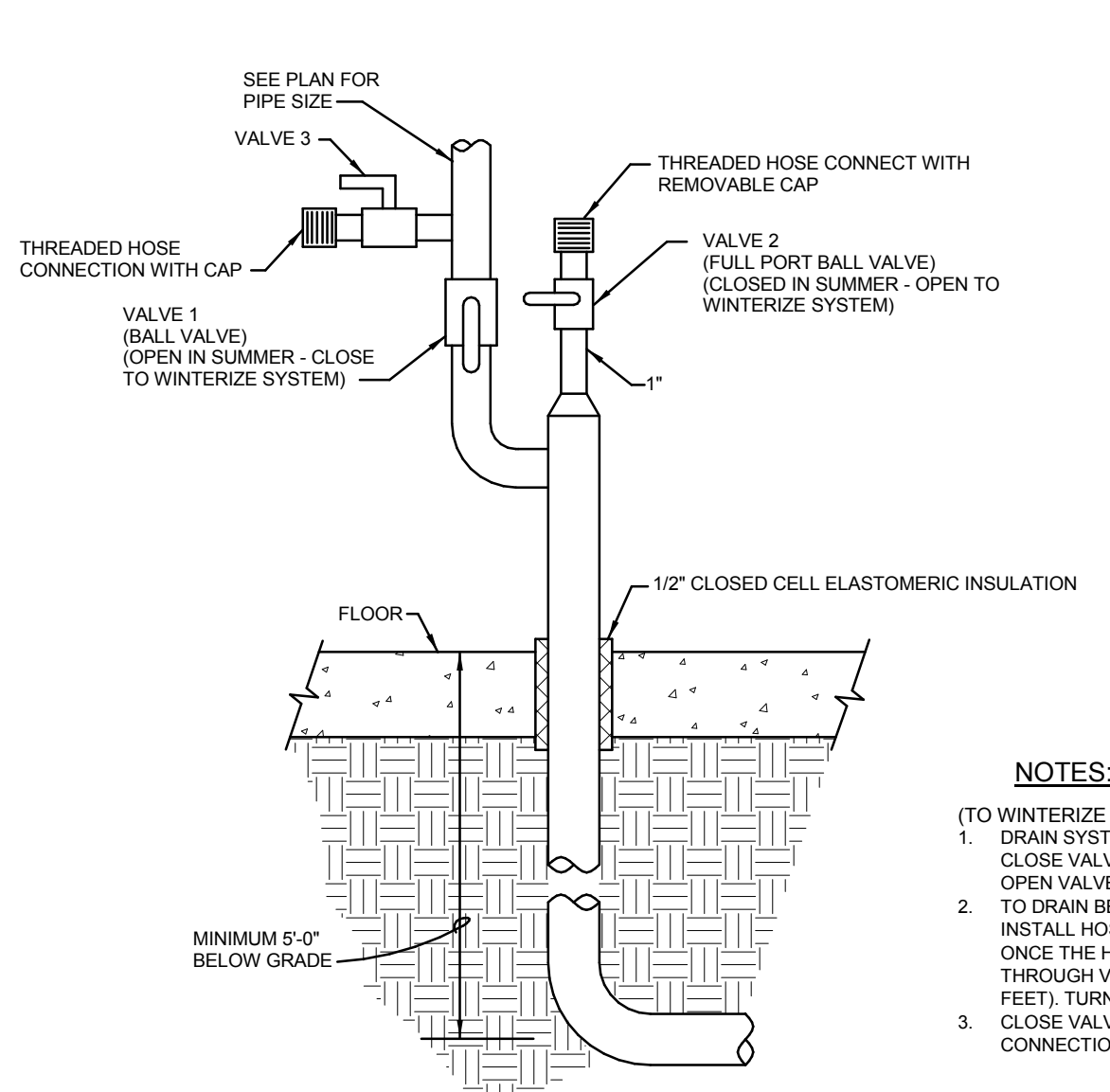
- NOTES:
 1. PUMP TO BE APPROVED FOR POTABLE WATER, PUMP TO HAVE STAINLESS STEEL CONSTRUCTION. PUMP SHALL HAVE 3-SPEED MOTOR.
 2. PUMP TO HAVE ADJUSTABLE ECM MOTOR WITH DISPLAY SHOWING FLOW AND ENERGY CONSUMPTION.
 3. BUILT IN OVERLOAD PROTECTION LIQUID LEVEL CONTROL.
 4. PROVIDE WITH 1/2" DIA. X 30" FIBERGLASS BASIN, PROVIDE STEEL BASIN COVER WITH HOLES TO ALLOW DRAINAGE OF ELEVATOR PIT...
 5. PROVIDE HIGH WATER ALARM AND REMOTE CONTROLLER LOCATED OUTSIDE OF SHAFT AND ELEVATOR EQUIPMENT ROOM.
 6. ELEVATOR SHALL MEET THE REQUIREMENTS OF THE STATE OF IOWA ELEVATOR CODES AND STANDARDS.
 7. PUMP TO HAVE INTEGRAL CHECK VALVE.

MARK	MANUFACTURER	MODEL #	INLET	OUTLET	GPM	FEET HEAD	HP	VOLT	PH	SYSTEM SERVED	NOTES
P-1	GRUNDFOS	ALPHA2 15-SF	-	-	2	7	FRACTIONAL	120	1	DOMESTIC HOT WATER RECIRCULATION	1, 2, 7
P-2	GRUNDFOS	UP26-96BF	-	-	20	8	FRACTIONAL	120	1	HOT WATER STORAGE TANK RECIRCULATION	1, 7
SP-1	HYDROMATIC	SHEF50	2"	2"	50	32	1/2	120	1	ELEVATOR PIT SUMP PUMP	3, 4, 5, 6

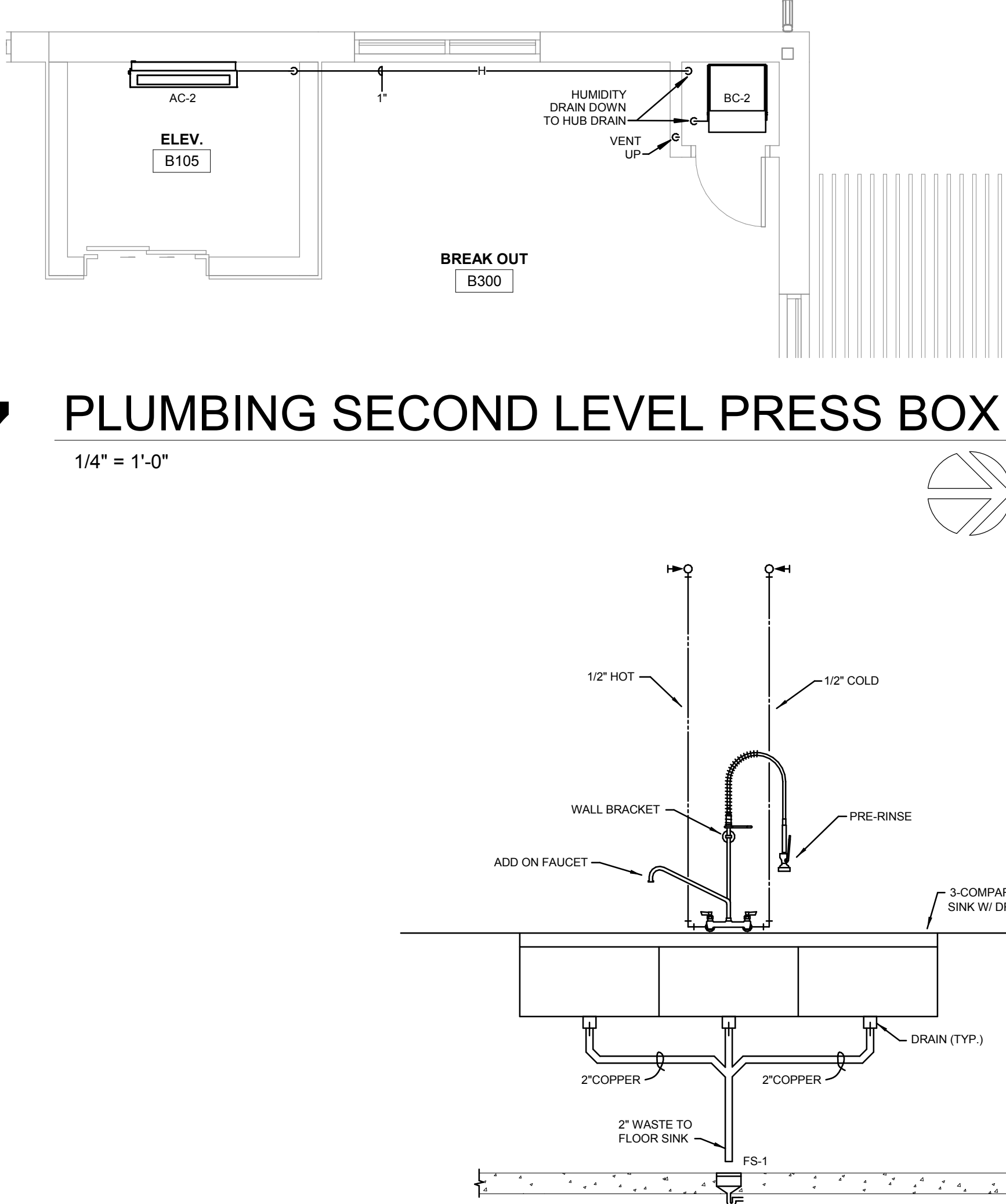
PLUMBING EQUIPMENT SCHEDULE

MARK	FUNCTION	MANUFACTURER AND MODEL (OR PRIOR APPROVED EQUAL)
DWH-1	DOMESTIC HOT WATER HEATER	199 MBH INPUT ON NATURAL GAS, 100 GALLON STORAGE CAPACITY, 234 GPM RECOVERY AT 80°F TEMPERATURE RISE, 98% THERMAL EFFICIENCY, 120 V POWER, A.O. SMITH IMV MODULATING GAS WATER HEATER MODEL BTH-199.
DWH-2	DOMESTIC HOT WATER HEATER	50 GAL. STORAGE, 62 GAL. FIRST HOUR RATING, 21 GAL. HOUR RECOVERY @ 80°F, 208W/PH, 800W WATT ELEMENT A.O. SMITH PROLINE STANDARD COMMERCIAL-GRADE RESIDENTIAL WATER HEATER MODEL ENT-50.
DWH-3	DOMESTIC HOT WATER HEATER	28 GAL. STORAGE, 43 GAL. FIRST HOUR RATING, 21 GAL. HOUR RECOVERY @ 80°F, 208W/PH, 800W WATT ELEMENT A.O. SMITH PROLINE STANDARD COMMERCIAL-GRADE RESIDENTIAL WATER HEATER MODEL ENT-38.
ET-1	HOT WATER EXPANSION TANK	14 GAL. TANK VOLUME, 0.64 MAX. ACCEPT. FACTOR, 3/4" CONNECTION, STEEL SHELL, HEAVY DUTY BUTYRADIUM RATED DIAPHRAGM, POLYPROPYLENE LINER, AIR VALVE, AMTRON THERM-X-TROL MODEL ST-30V3.
ST-1	HOT WATER STORAGE TANK	200 GALLON STORAGE TANK, CORROSION PROTECTION LINING, INSULATED JACKET, A.O. SMITH T1X-200.

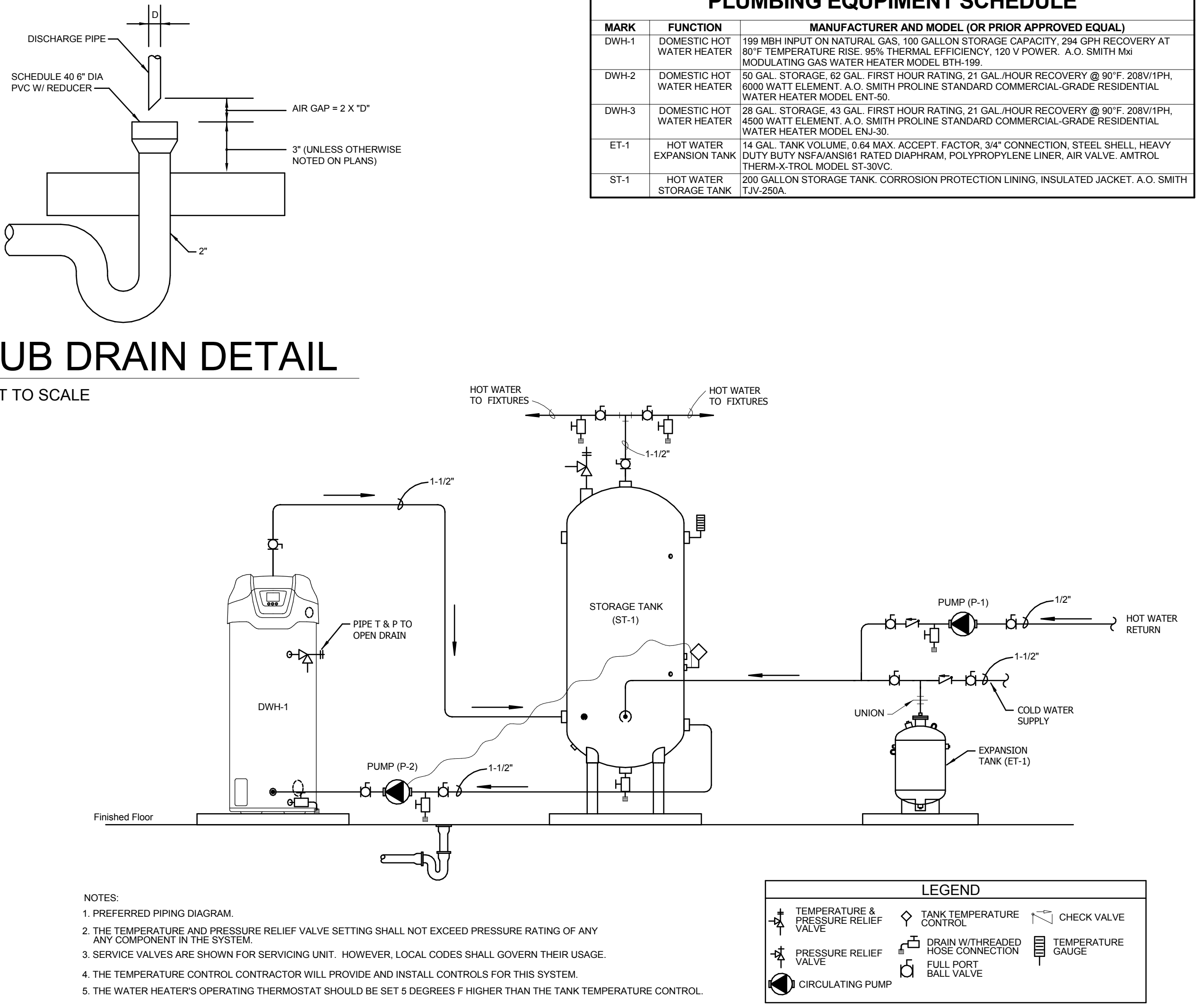
6 PLUMBING FIRST FLOOR PRESS BOX
1/4" = 1'-0"



7 PLUMBING SECOND LEVEL PRESS BOX
1/4" = 1'-0"



9 HUB DRAIN DETAIL
NOT TO SCALE



8 STADIUM UNDERGROUND DOMESTIC DETAIL
NOT TO SCALE

10 THREE COMPARTMENT SINK DETAIL
NOT TO SCALE

5 DWH-1 DOMESTIC WATER HEATER DETAIL
NOT TO SCALE

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ETI Project No: 2018-113

GLENWOOD COMMUNITY SCHOOL DISTRICT
ATHLETIC COMPLEX IMPROVEMENTS - BID PACK #2
 Project Location: 400 SIVERS RD, GLENWOOD, IA 51534
 Project Title: _____
 Sheet Title: _____
 HSR Project Number: 18005
 Project Date: SEPTEMBER 2018
 Drawn By: TJM
 Key Plan: _____
 Revisions:

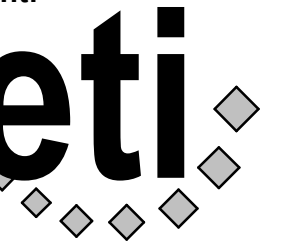
No.	Description	Date
A2	ADDENDUM #2	10.08.2018

 Graphic Scale: VARIES
 Last Update: 10/8/2018 09:49:07
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ETI Project No: 2018-113

GLENWOOD COMMUNITY SCHOOL DISTRICT
ATHLETIC COMPLEX IMPROVEMENTS - BID PACK #2

Project Location: 400 SIVERS RD.
GLENWOOD, IA 51534

ELECTRICAL SITE PLAN

Project Title: 18005

Project Date: SEPTEMBER 2018

Drawn By: SMH

Key Plan:

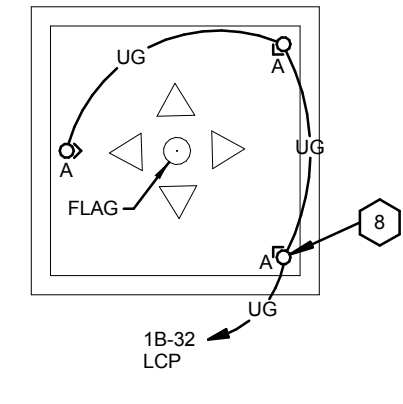
No.	Description	Date
A2	ADDENDUM #2	10.08.2018

Graphic Scale: VARIES

Last Update: 10/8/2018 9:46:23 AM

E001R

New Flagpole
Dedication Area

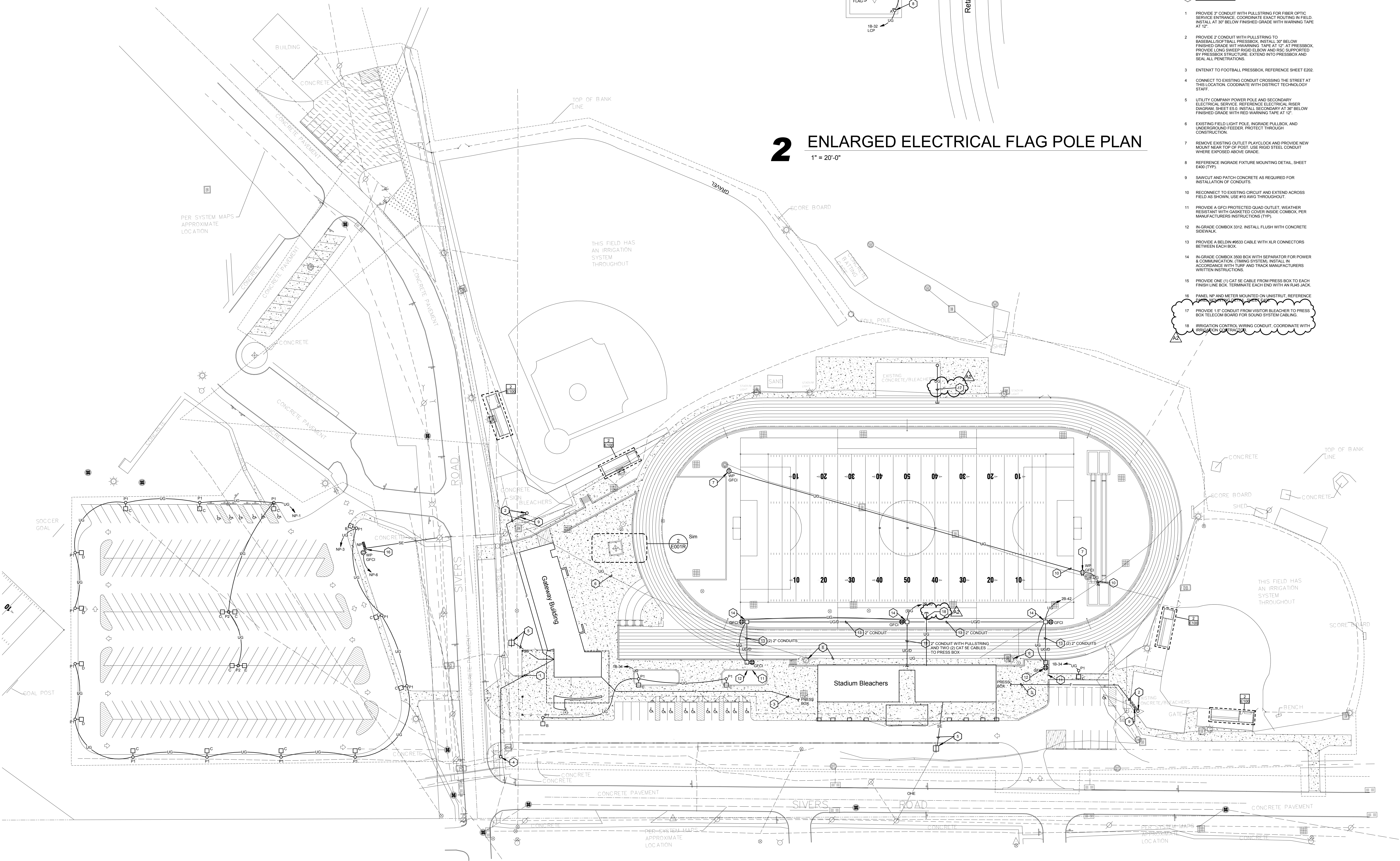


Retaining wall

2 ENLARGED ELECTRICAL FLAG POLE PLAN

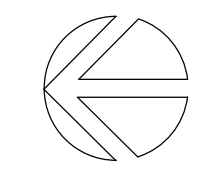
1" = 20'-0"

- GENERAL NOTES**
- VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES BEFORE DIGGING, EXCAVATING, OR DISSECTIONAL BORING. REPAIR EXISTING UTILITIES DAMAGED DURING CONSTRUCTION.
 - ALL UNDERGROUND CONDUIT SHALL BE 3/4" MINIMUM AND INSTALLED 24" BELOW FINISHED GRADE UNLESS NOTED OTHERWISE, WITH RED WARNING TAPE AT 12".
- SHEET NOTES**
- PROVIDE 3" CONDUIT WITH PULLSTRING FOR FIBER OPTIC SERVICE ENTRANCE. COORDINATE EXACT ROUTING IN FIELD. INSTALL AT 30" BELOW FINISHED GRADE WITH WARNING TAPE AT 12".
 - PROVIDE 2" CONDUIT WITH PULLSTRING TO BASEBALL/SOFTBALL PRESSBOX. INSTALL 30" BELOW FINISHED GRADE WITH WARNING TAPE AT 12". AT PRESSBOX, PROVIDE LINES SWEEP RIGID ELBOW AND RISER SUPPORTED BY PRESSBOX STRUCTURE. EXTEND INTO PRESSBOX AND SEAL ALL PENETRATIONS.
 - ENTENXT TO FOOTBALL PRESSBOX. REFERENCE SHEET E202.
 - CONNECT TO EXISTING CONDUIT CROSSING THE STREET AT THIS LOCATION. COORDINATE WITH DISTRICT TECHNOLOGY STAFF.
 - UTILITY COMPANY POWER POLE AND SECONDARY ELECTRICAL SERVICE. REFERENCE ELECTRICAL RISER DIAGRAM SHEET E510. INSTALL SECONDARY AT 30" BELOW FINISHED GRADE WITH RED WARNING TAPE AT 12".
 - EXISTING FIELD LIGHT POLE. INGRADE PULLBOX, AND UNDERGROUND FEEDER. PROTECT THROUGH CONSTRUCTION.
 - REMOVE EXISTING OUTLET PLATYLOCK AND PROVIDE NEW MOUNT NEAR TOP OF POST. USE RIGID STEEL CONDUIT WHERE EXPOSED ABOVE GRADE.
 - REFERENCE INGRADE FIXTURE MOUNTING DETAIL SHEET E400 (TYP).
 - SAW-CUT AND PATCH CONCRETE AS REQUIRED FOR INSTALLATION OF CONDUITS.
 - RECONNECT TO EXISTING CIRCUIT AND EXTEND ACROSS FIELD AS SHOWN. USE #10 AWG THROUGHOUT.
 - PROVIDE A GFCI PROTECTED QUAD OUTLET. WEATHER RESISTANT WITH GASKETED COVER INSIDE COMBOX, PER MANUFACTURERS INSTRUCTIONS (TYP).
 - IN-GRADE COMBOX 3312. INSTALL FLUSH WITH CONCRETE SIDEWALK.
 - PROVIDE A BELDEN #9533 CABLE WITH XLR CONNECTORS BETWEEN EACH BOX.
 - IN-GRADE COMBOX 3500 BOX WITH SEPARATOR FOR POWER & COMMUNICATION. (TIMING SYSTEM). INSTALL IN ACCORDANCE WITH TURF AND TRACK MANUFACTURERS WRITTEN INSTRUCTIONS.
 - PROVIDE ONE (1) CAT 5E CABLE FROM PRESS BOX TO EACH FINISH LINE BOX. TERMINATE EACH END WITH AN RJ45 JACK.
 - PANEL NP AND METER MOUNTED ON UNISTRUT. REFERENCE EXISTING ELECTRICAL RISER DIAGRAM SHEET E510.
 - PROVIDE 1.5" CONDUIT FROM VISITOR BLEACHER TO PRESS BOX TELECOM BOARD FOR SOUND SYSTEM CABLING.
 - IRRIGATION CONTROL WIRING CONDUIT. COORDINATE WITH IRRIGATION CONTRACTOR.



1 ELECTRICAL SITE PLAN

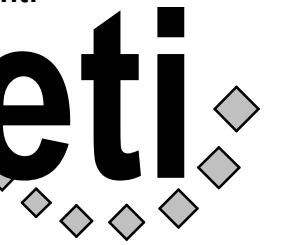
1" = 40'-0"





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ETI Project No: 2018-113

Project Title: **GLENWOOD COMMUNITY SCHOOL DISTRICT
ATHLETIC COMPLEX IMPROVEMENTS - BID PACK #2**

Project Location: 400 SIVERS RD.
GLENWOOD, IA 51534

Sheet Title: **FIRST FLOOR STADIUM LIGHTING PLAN**

HSR Project Number: **18005**

Project Date: **SEPTEMBER 2018**

Drawn By: **SMH**

Key Plan:

No.	Description	Date
A2	ADDENDUM #2	10.08.2018

Graphic Scale: **VARIES**

Last Update: **10/8/2018 9:46:26 AM**

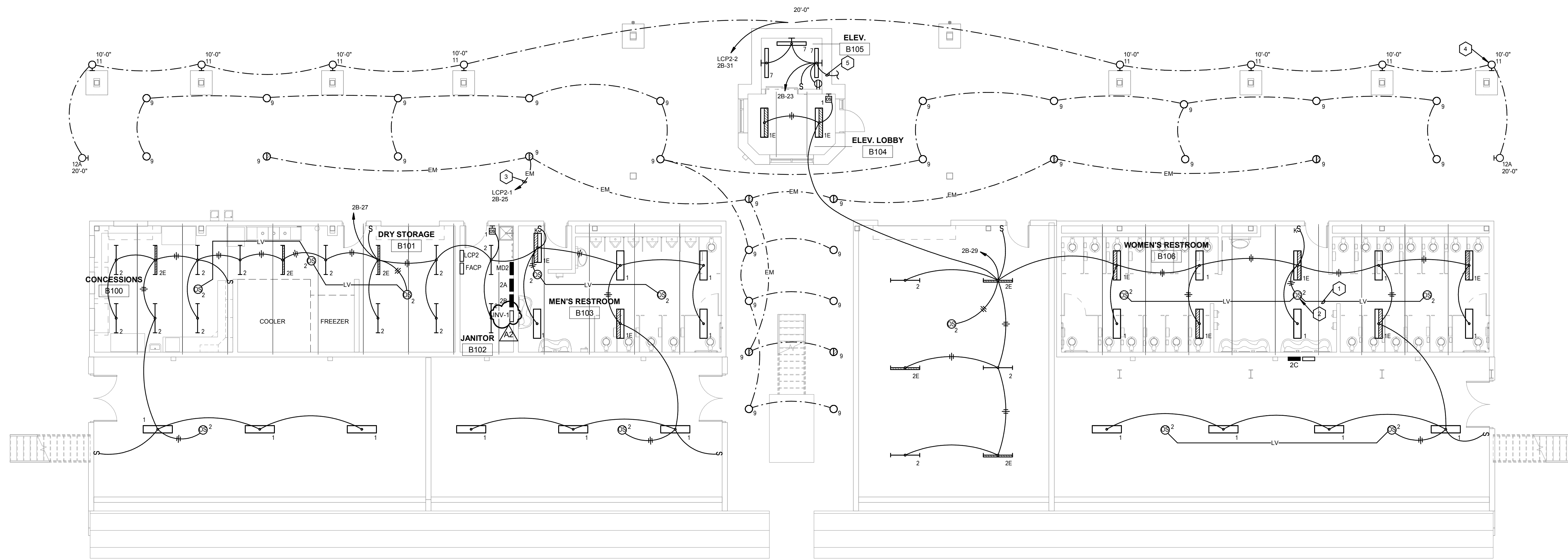
E101R

GENERAL NOTES

- A PROVIDE TEMPORARY POWER, LIGHTING, AND HEATING AS REQUIRED FOR CONSTRUCTION. COORDINATE WITH THE GENERAL CONTRACTOR AND OTHER TRADES.
- B FIRE SEAL ALL PENETRATIONS THROUGH FIRE RATED WALLS, CEILING AND FLOORS.
- C COORDINATE LOCATION OF WIRING DEVICES, TELECOM OUTLETS, FIRE ALARM DEVICES, ETC. WITH MILLWORK, TILE LAYOUT, AND OTHER WALL FINISHES PRIOR TO ROUGH-IN.
- D ALIGN ADJACENT WALL MOUNTED OUTLET BOXES FOR SWITCHES, THERMOSTATS, AND SIMILAR DEVICES. DEVICES SHALL BE ALIGNED VERTICALLY WHEN INSTALLED AT DIFFERING HEIGHTS AND INSTALL ALL ADJACENT DEVICES AT THE SAME HEIGHT TO CENTER. NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN TRADES PRIOR TO ROUGH-IN.

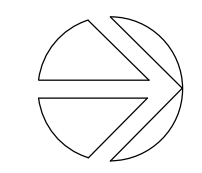
SHEET NOTES

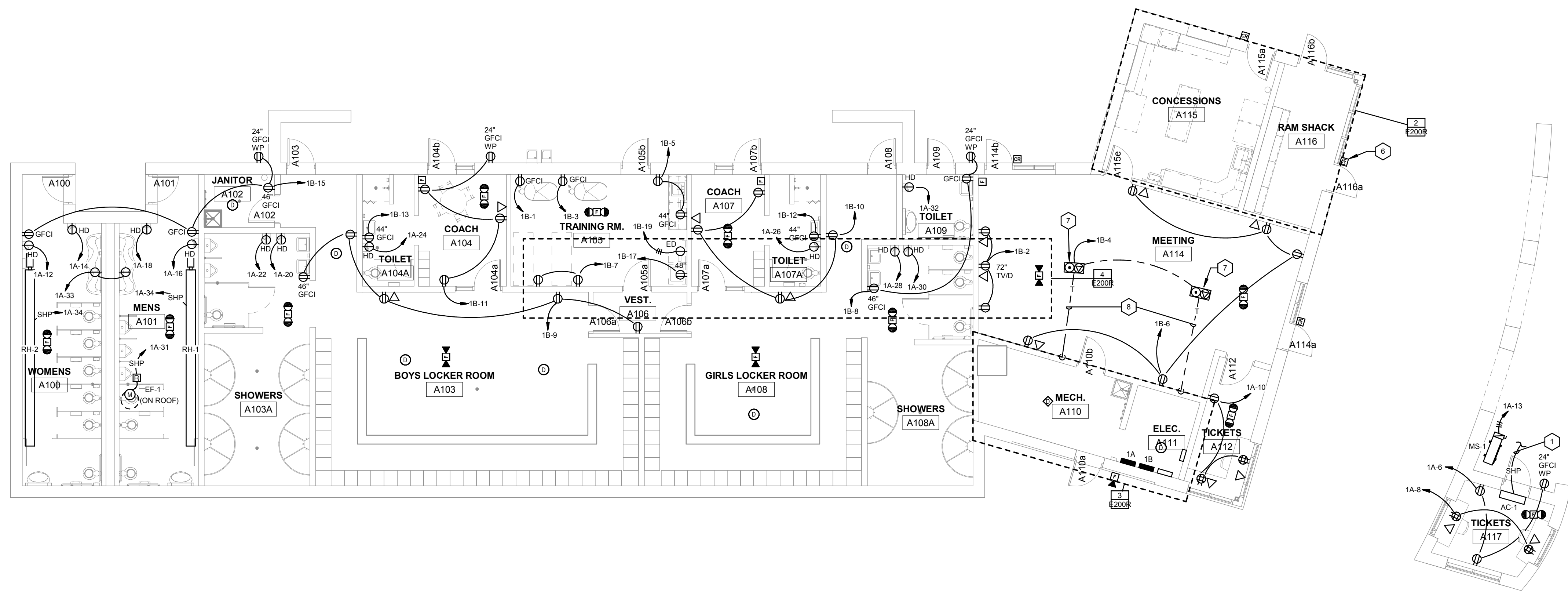
- 1 INSTALL LOW VOLTAGE CABLING PER MANUFACTURERS INSTRUCTIONS IN MINIMUM 1/2" CONDUIT (TYP).
- 2 PENDANT MOUNT OCCUPANCY SENSORS IN AREA WITH THE EXPOSED CEILING USING 3/4" RSC, MOUNT AT SAME HEIGHT AS LIGHT FIXTURE.
- 3 CONNECT CIRCUIT THRU INVERTER IN JAN B102. LIGHTS ARE TO BE CONTROLLED WITH NORMAL LIGHTS.
- 4 COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN (TYP).
- 5 TO LIGHTS ABOVE, SEE SHEET E102.



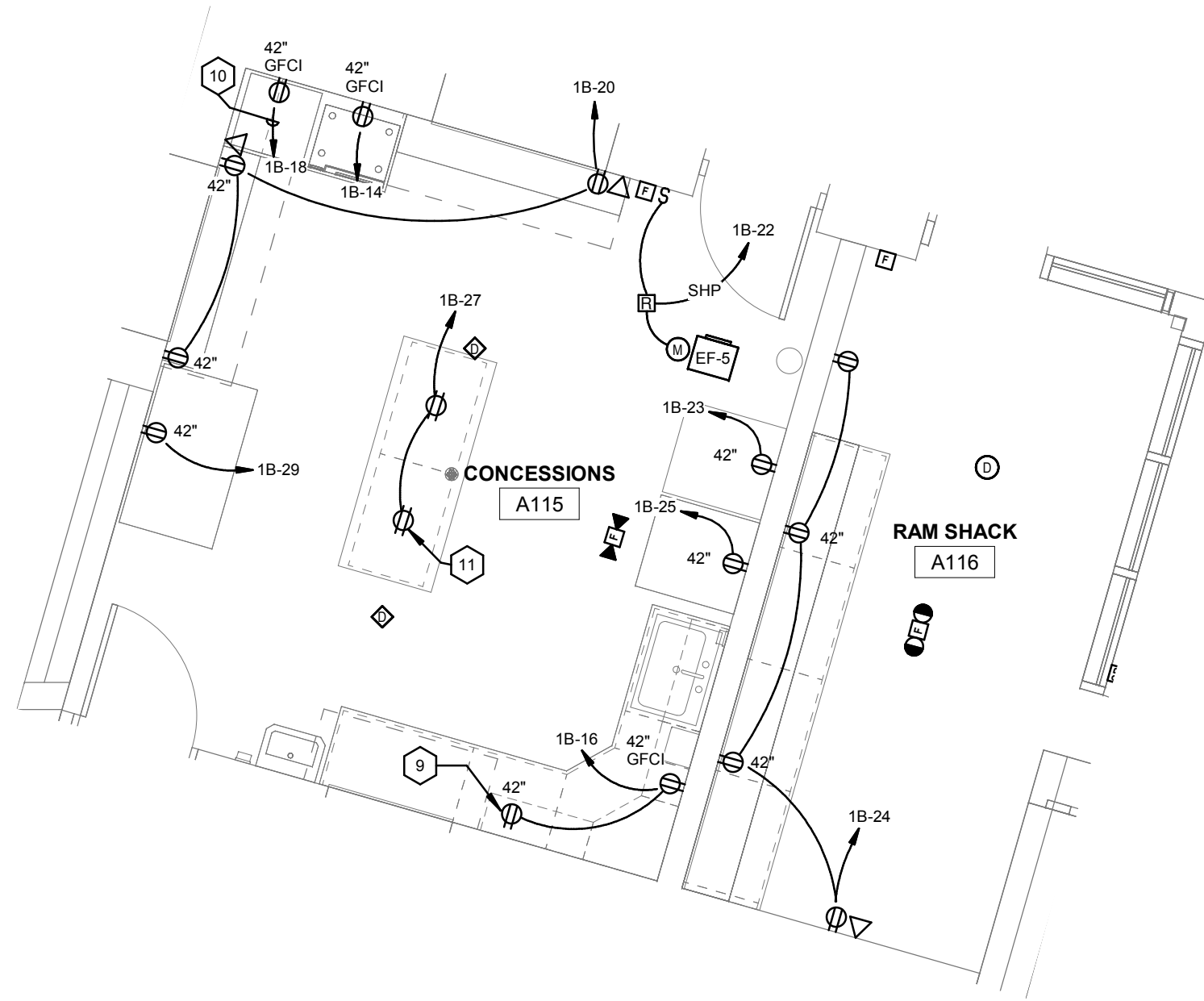
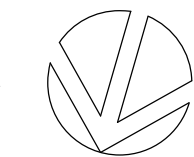
1 FIRST FLOOR STADIUM LIGHTING PLAN

1/8" = 1'-0"

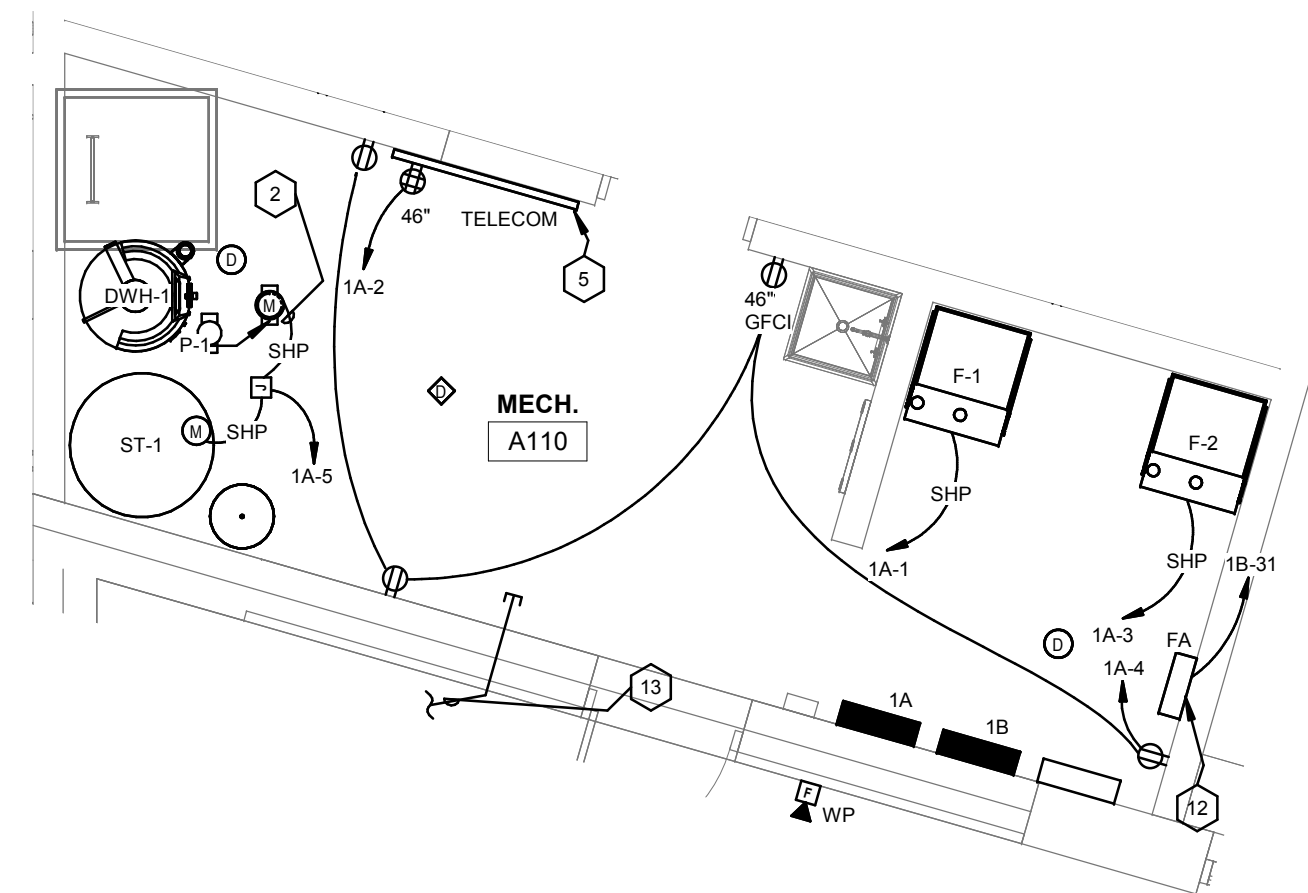




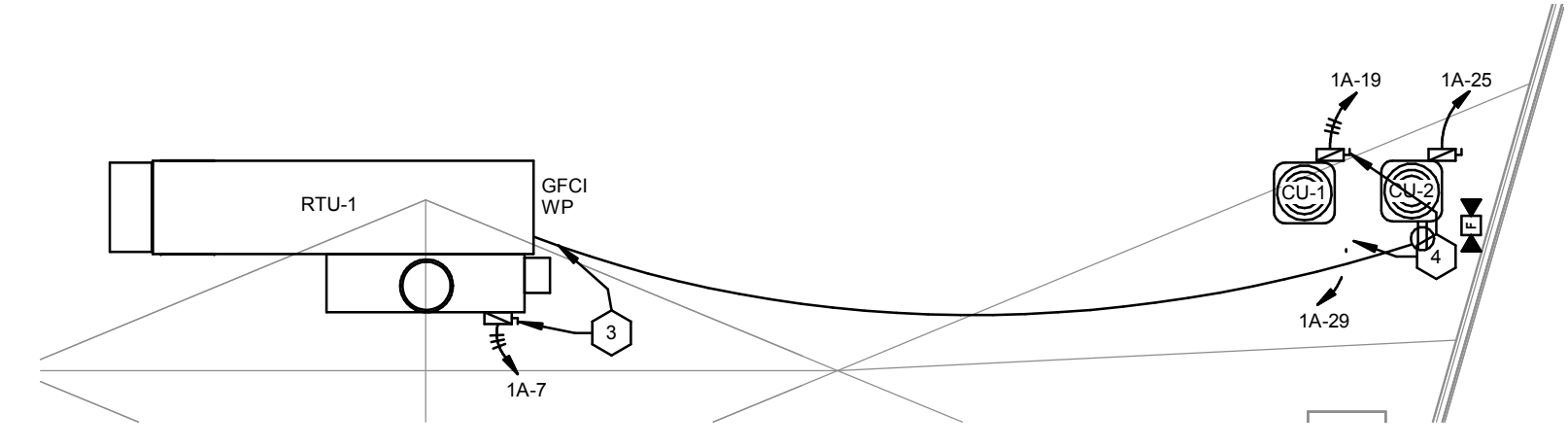
1 FIRST FLOOR POWER PLAN
1/8" = 1'-0"



2 CONCESSIONS ENLARGED POWER PLAN
1/4" = 1'-0"



3 MECH A110 ENLARGED POWER PLAN
1/4" = 1'-0"



4 ELECTRICAL ROOF PLAN
1/8" = 1'-0"

GENERAL NOTES

- A PROVIDE TEMPORARY POWER, LIGHTING, AND HEATING AS REQUIRED FOR CONSTRUCTION, COORDINATE WITH THE GENERAL CONTRACTOR AND OTHER TRADES.
- B FIRE SEAL ALL PENETRATIONS THROUGH FIRE RATED WALLS, CEILING AND FLOORS.
- C COORDINATE LOCATION OF WIRING DEVICES, TELECOM OUTLETS, FIRE ALARM DEVICES, ETC. WITH MILLWORK, TILE LAYOUT, AND OTHER WALL FINISHES PRIOR TO ROUGH-IN.
- D ALIGN ADJACENT WALL MOUNTED OUTLET BOXES FOR SWITCHES, THERMOSTATS AND SIMILAR DEVICES. DEVICES SHALL BE ALIGNED VERTICALLY WHEN INSTALLED AT DIFFERING HEIGHTS AND INSTALL ALL ADJACENT DEVICES AT THE SAME HEIGHT TO CENTER. NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN TRADES PRIOR TO ROUGH-IN.

SHEET NOTES

- 1 CONNECT THROUGH ASSOCIATED OUTDOOR UNIT.
- 2 MOUNT SWITCH AT 48" AFF AND LABEL CIRCULATING PUMP.
- 3 MOUNT TO ROOF TOP EQUIPMENT. DO NOT BLOCK ACCESS PANELS. ROUTE CONDUIT THROUGH ROOF HOOD.
- 4 PROVIDE UNISTRUT SUPPORTS TO INDEPENDENTLY SUPPORT DISCONNECT SWITCHES AND RECEPTACLES. (TYPICAL ALL CONDENSING UNITS & HEAT PUMPS).
- 5 TELECOM TERMINATION BOARD. PROVIDE 3/4" X 4'-0" X 4'-0" PLYWOOD BOARD. PAINTED WITH (2) COATS OF GRAY ENAMEL. MOUNT AT 24" AFF TO BOTTOM.
- 6 PROVIDE ROUGH-IN FOR CARD READER AND ELECTRONIC DOOR HARDWARE. REFERENCE DETAIL 3, SHEET E400. (TYPICAL).
- 7 MULTI-SERVICE FLOOR BOX. WIREMOLD #R36-CI OR EQUAL WITH FLAGGED ACTIVATION COVER. (2) DUPLICATED OUTLETS. COMMUNICATIONS GFI BRACKET.
- 8 PROVIDE (2) 1" CONDUITS WITH PULL STRING TO ABOVE ACCESSIBLE CEILING FOR AV AND NETWORK CABLING BY OTHERS.
- 9 OUTLET PROTECTED BY UPSTREAM GFCI DEVICE. LABEL "GFCI PROTECTED".
- 10 USE #10 AWG THROUGHOUT.
- 11 PROVIDE PENDANT MOUNTED OUTLET. REFERENCE DETAIL SHEET E400.
- 12 FIRE ALARM PANEL. PROVIDE EXTENSION PANEL FROM PRESS BOX FIRE ALARM CONTROL PANEL. WIRING BETWEEN PANELS SHALL BE INSTALLED IN MINIMUM 3/4" CONDUIT.
- 13 PROVIDE A 1" CONDUIT FOR IRRIGATION CONTROL WIRING. FIELD COORDINATE WITH IRRIGATION CONTRACTOR.



HSR Project Number: **18005**
 Project Date: **SEPTEMBER 2018**
 Drawn By: **SMH**

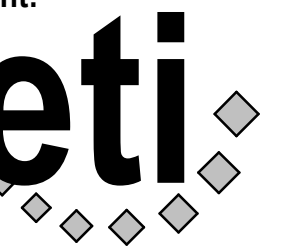
Key Plan:

No.	Description	Date
A2	ADDENDUM #2	10.08.2018

Graphic Scale: **VARIES**
 Last Update: **10/8/2018 9:46:28 AM**



Consultant:



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ETI Project No: 2018-113

**GLENWOOD COMMUNITY SCHOOL DISTRICT
ATHLETIC COMPLEX IMPROVEMENTS - BID PACK #2**

FIRST FLOOR STADIUM POWER PLAN

Project Title: HSR Project Number: 18005

Project Date: SEPTEMBER 2018

Drawn By: SMH

Key Plan:

Revisions:

No. Description Date

A2 ADDENDUM #2 10.08.2018

Graphic Scale: VARIES

Last Update: 10/8/2018 9:46:29 AM

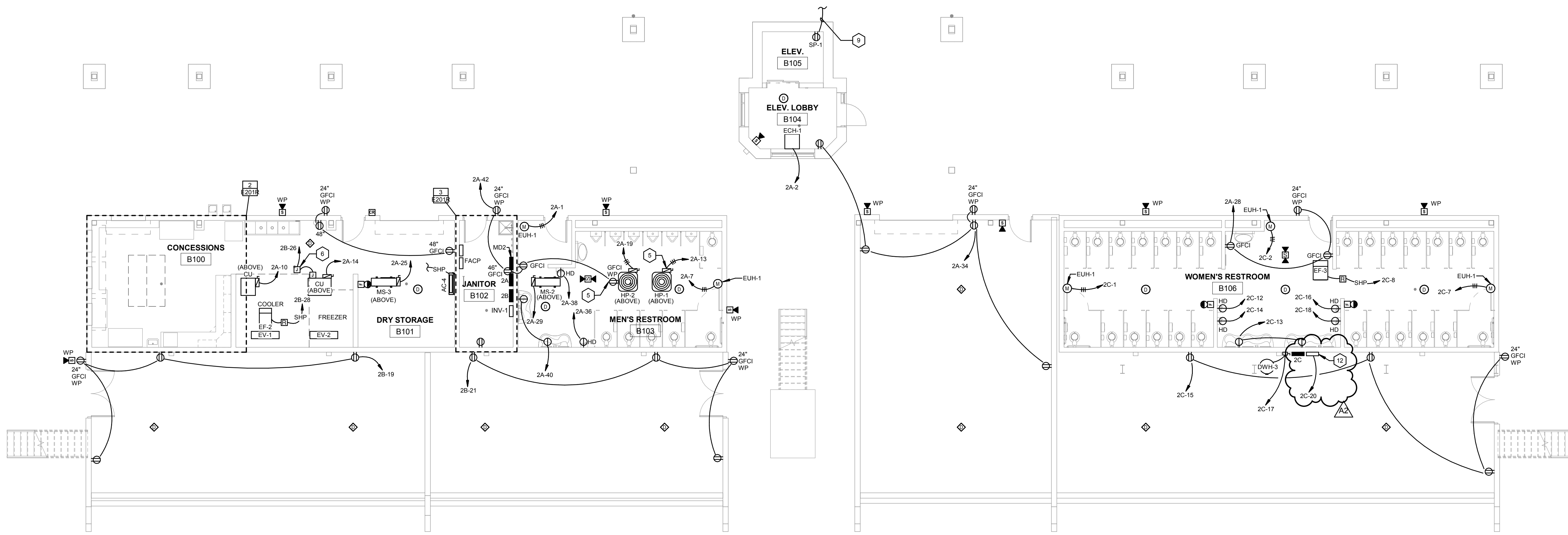
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GENERAL NOTES

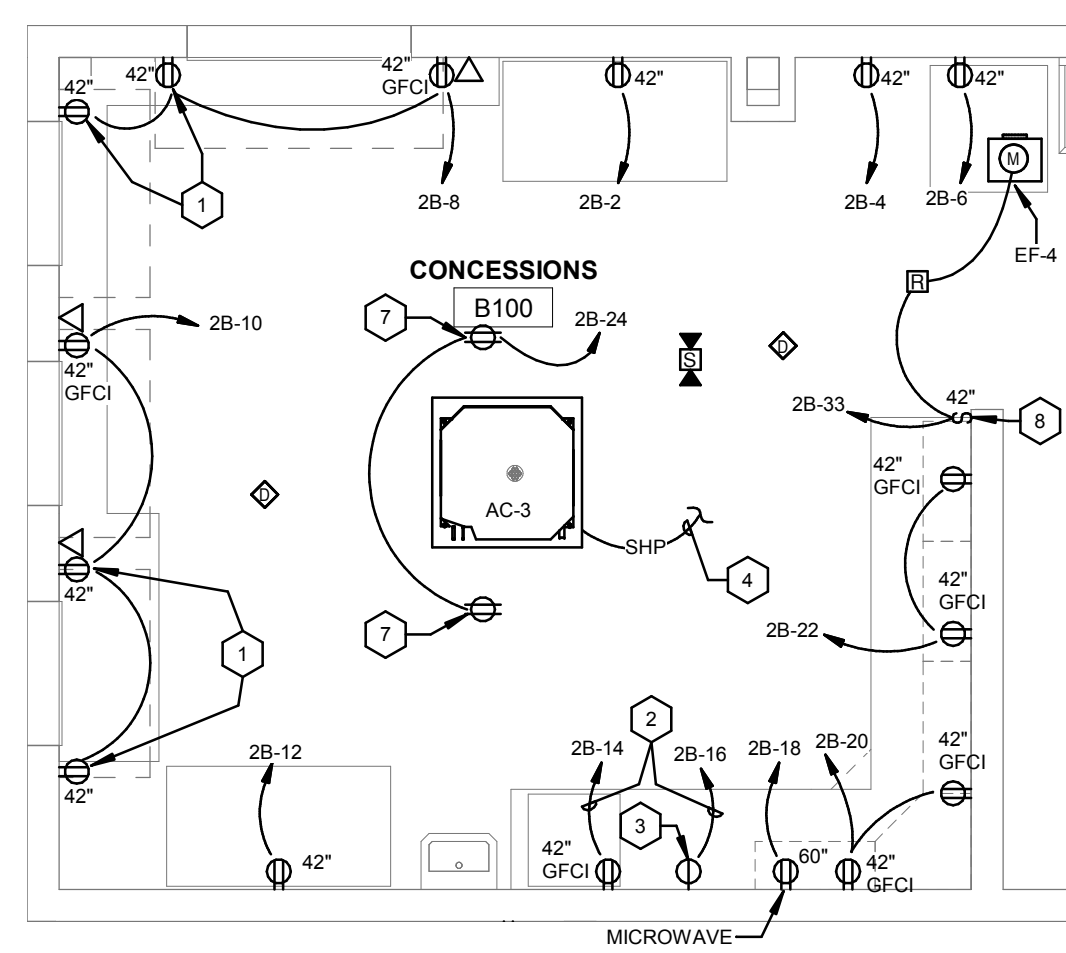
- A PROVIDE TEMPORARY POWER, LIGHTING, AND HEATING AS REQUIRED FOR CONSTRUCTION. COORDINATE WITH THE GENERAL CONTRACTOR AND OTHER TRADES.
- B FIRE SEAL ALL PENETRATIONS THROUGH FIRE RATED WALLS, CEILING AND FLOORS.
- C COORDINATE LOCATION OF WIRING DEVICES, TELECOM OUTLETS, FIRE ALARM DEVICES, ETC. WITH MILLWORK, TILE LAYOUT, AND OTHER WALL FINISHES PRIOR TO ROUGH-IN.
- D ALIGN ADJACENT WALL MOUNTED OUTLET BOXES FOR SWITCHES, THERMOSTATS, AND SIMILAR DEVICES. DEVICES SHALL BE ALIGNED VERTICALLY WHEN INSTALLED AT DIFFERING HEIGHTS AND INSTALL ALL ADJACENT DEVICES AT THE SAME HEIGHT TO CENTER. NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN TRADES PRIOR TO ROUGH-IN.

SHEET NOTES

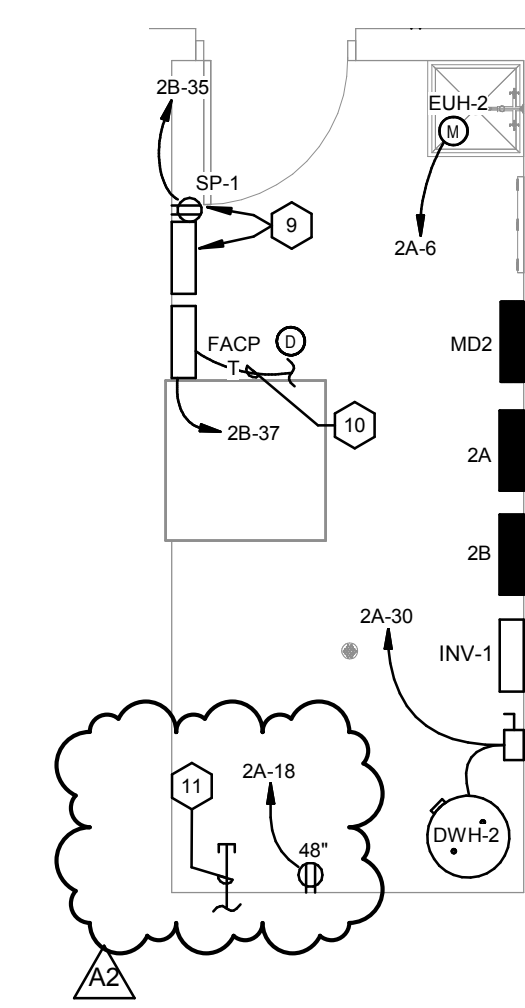
- 1 OUTLET PROTECTED BY UPSTREAM GFCI DEVICE. LABEL "GFCI PROTECTED".
- 2 USE #10 AWG THROUGHOUT CIRCUIT.
- 3 POPCORN MACHINE OUTLET, COORDINATE NEMA CONFIGURATION.
- 4 CONNECT TO SWITCHED LIGHTING CIRCUIT IN THIS ROOM.
- 5 PROVIDE UNSTRUT SUPPORTS TO INDEPENDENTLY SUPPORT DISCONNECT SWITCHES AND RECEPTACLES. (TYPICAL ALL CONDENSING UNITS & HEAT PUMPS).
- 6 PROVIDE CONNECTION TO WALK-IN COOLER/FREEZER DOOR POWER LIGHT FIXTURE AND EVAPORATOR. PROVIDE TOGGLE DISCONNECT FOR EVAPORATOR IN WP ENCLOSURE AND INSTALL LIGHT FIXTURE FURNISHED LOOSE WITH UNIT.
- 7 PROVIDE PENDANT MOUNTED OUTLET. REFERENCE DETAIL, SHEET E400.
- 8 LABEL SWITCH "EXHAUSE FAN".
- 9 SUMP PUMP CONTROLLER. CONNECT OUTLET IN PIT THROUGH CONTROLLER AND PROVIDE 1" CONDUIT WITH PULL WIRE FOR CONTROL. CABLING TO PIT, PER MANUFACTURER'S INSTRUCTIONS.
- 10 PROVIDE 1" CONDUIT TO FOOTBALL FIELD FOR IRRIGATION CONTROL WIRING. FIELD COORDINATE.
- 11 PROVIDE FREEZE PROTECTION CONTROLLER AND HEAT TAPE FOR ALL EXPOSED PLUMBING ALONG THIS WALL. REFERENCE PLUMBING SHEETS. PROVIDE CONTROLLER, HEAT TRACE WIRING, SENSORS, ETC. AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. SYSTEM SHALL BE CHROMOLOY OR EQUAL. CONTACT JOE.B@HSR.COM-868-6656.
- 12 PROVIDE A 1" CONDUIT TO FOOTBALL FIELD FOR IRRIGATION CONTROL WIRING. FIELD COORDINATE.



1 FIRST FLOOR STADIUM POWER PLAN
1/8" = 1'-0"



2 CONCESSIONS B100 ENLARGED POWER PLAN
1/4" = 1'-0"

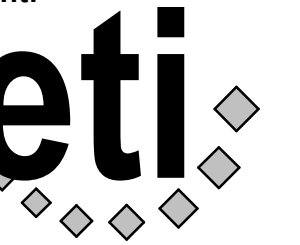


3 ENLARGED JANITOR B102 PLAN
1/4" = 1'-0"



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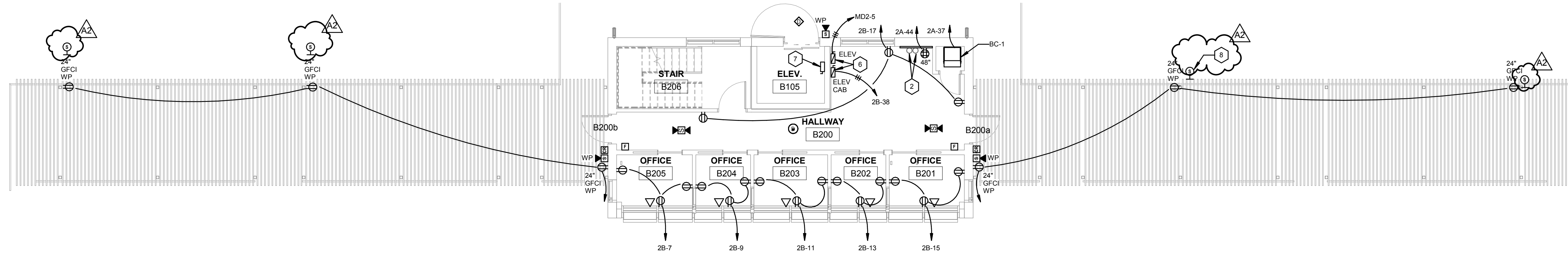
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ETI Project No: 2018-113

GENERAL NOTES

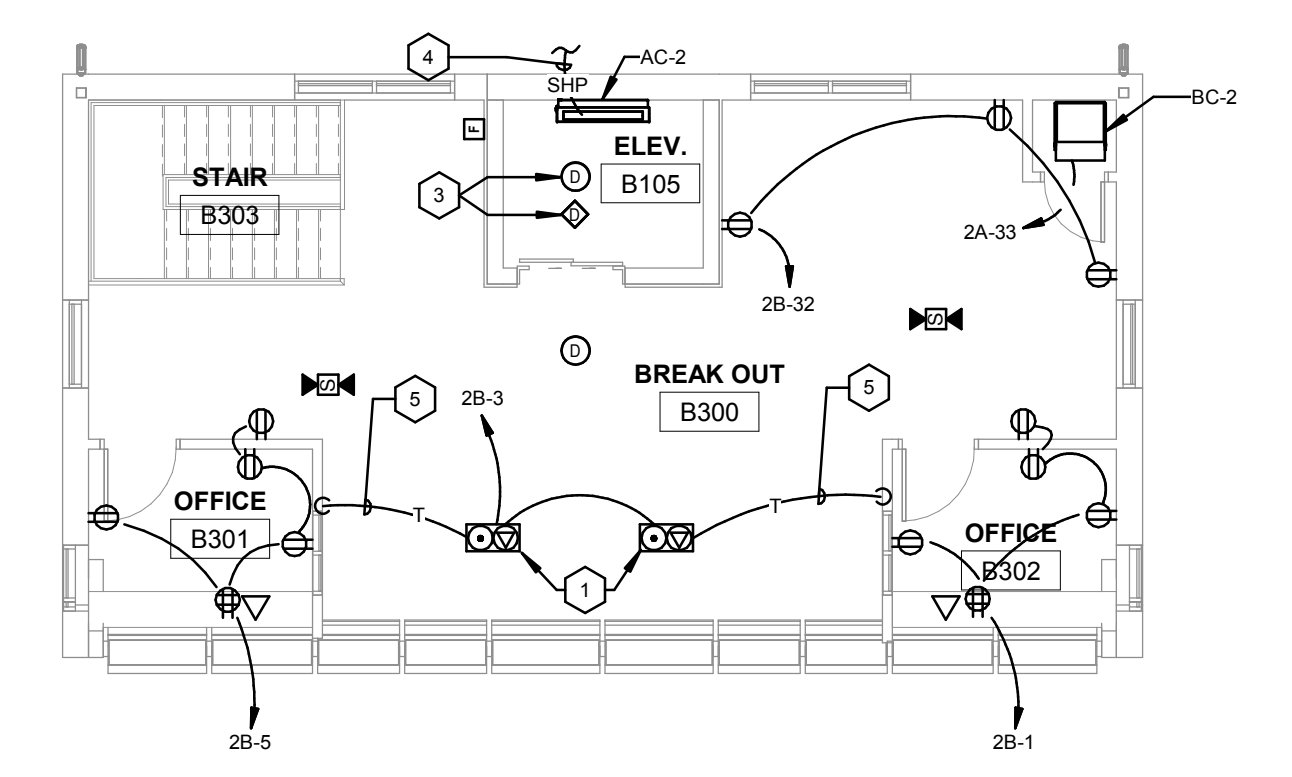
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SHEET NOTES

- 1 MULTI-SERVICE POKE THROUGH WIREMOLD 6AT SERIES, WITH TWOX2 DUPLEX OUTLETS AND CENTER COMMUNICATION BRACKET.
- 2 FIBER CONDUITS TO GATEWAY BUILDING & SOFT BALL PRESS BOX. REFERENCE ELECTRICAL SITE PLAN, EXTEND 12" AFF AND PROVIDE PLASTIC BUSHING.
- 3 MOUNT DEVICES AT TOP OF SHAFT.
- 4 CONNECT THROUGH ASSOCIATED OUTDOOR UNIT.
- 5 PROVIDE (2) 1" CONDUITS WITH PULL STRING TO ABOVE ACCESSIBLE CEILING.
- 6 PROVIDE DISCONNECT SWITCHES PER ELEVATOR MANUFACTURER REQUIREMENTS.
- 7 PROVIDE A 100A NON FUSED DISCONNECT WITH DRY CONTACTS AT ELEVATOR DRIVE MOTOR PER MANUFACTURER REQUIREMENTS.
- 8 PROVIDE 3/4" CONDUIT TO TELECOM BOARD FOR FUTURE SPEAKER CABLING. (TYPICAL).



1 PRESS BOX POWER PLAN
1/8" = 1'-0"



2 SECOND LEVEL PRESS BOX POWER PLAN
1/8" = 1'-0"

Project Title: **GLENWOOD COMMUNITY SCHOOL DISTRICT ATHLETIC COMPLEX IMPROVEMENTS - BID PACK #2**
 Project Location: **400 SIVERS RD. GLENWOOD, IA 51534**
 Sheet Title: **PRESS BOX FIRST AND SECOND LEVEL POWER PLANS**

HSR Project Number: **18005**
 Project Date: **SEPTEMBER 2018**
 Drawn By: **SMH**

Key Plan:

Revisions:		
No.	Description	Date
A2	ADDENDUM #2	10.08.2018

Graphic Scale: **VARIES**
 Last Update: **10/8/2018 9:46:29 AM**

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