#### DOCUMENT 00 90 00 ADDENDUM

ADDENDUM NO. [4] Date: November 21, 2018

RE: GLENWOOD COMMUNITY SCHOOL DISTRICT

ATHLETIC COMPLEX IMPROVEMENTS BID PACKAGE 2 REBID

**400 SIVERS ROAD** 

GLENWOOD, IOWA 51534 HSR PROJECT NO. 18005

FROM: HSR Associates, Inc

100 Milwaukee Street La Crosse, WI 54603 (608) 784-1830

To: Prospective Bidders

This addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated November 2018. Acknowledge receipt of this Addendum in the space provided on the bid form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of [3] pages and [13] 30 x 42 Drawings.

#### **CHANGES TO DRAWINGS**

- The following drawings were referenced by text in addendum 3 but not attached to the addendum.
- 2. <u>Sheet P100R GATEWAY & STADIUM UNDERFLOOR PLUMBING PLANS</u> 30 x 42 attached hereto.
  - a. Revisions clouded on Drawing.
  - b. Double exterior cleanouts on sanitary pipe 5'-0" away leaving the building. See detail on sheet P103
  - c. Added Notes #1, #2 and #3 to see civil plans for continuation and exterior cleanout detail.
  - d. Added plumbing riser designations to cross reference Underfloor Plumbing Plans to the Plumbing Risers on P104.
  - e. Add note for location of cast iron pipe in Concessions A113.
- 3. Sheet P101R GATEWAY BUILDING PLUMBING PLAN 30 x 42 attached hereto.
  - a. Revisions clouded on Drawing
  - b. In Concessions A113; cap 3/4" gas pipe at 10'-0" above finished floor for future range, extend 3/4" domestic hot and cold water down wall to electric kettle. Terminate at 18" above finished floor with ball valve and threaded hose connection. Added floor sink adjacent to electric kettle.
  - c. Extend drain line from roof hydrant over to floor drain in MECH. A110.
  - d. Added water hammer arrestors in domestic cold water pipe where shown. Refer to schedule on P103.
  - e. Added sheet notes 11, 12, 13, 14, and 15.

#### Sheet P102R STADIUM BUILDING PLUMBING PLAN 30 x 42 attached hereto.

- a. Revisions clouded on Drawing
- b. Added elevator sump pump (SP-1) horizontal pipe discharge from 2" to 3" and extend to over to service sink (SS-1) in Jan. /Mech. B103.
- c. Locate domestic water heater (DWH-2) located on floor next to service sink.
- d. Revised Stadium Water Service Detail there are two details with (1) for Base Bid and (1) for Alternate Bid.
- e. Revised sheet note #7.

#### 4. <u>Sheet P103R PLUMBING SCHEDULES, DETAILS & SYMBOLS</u> 30 x 42 attached hereto.

- a. Revisions clouded on Drawing
- b. Update Elevator Pit Sump Pump Detail Show 3" PVC horizontal pipe with 2" riser from sump pump (SP-1).
- c. Plumbing Equipment Schedule (DWH-2), shall be a 40 gallon tank, model number ENT-40.
- d. Water Hammer Arrestor Schedule was added.
- e. Plumbing Fixture Schedule (L-2), Changed model number to EW72000.

#### 5. Sheet P104R PLUMBING & GAS RISERS 30 x 42 attached hereto.

- a. Revisions clouded on Drawing
- b. Gas Riser Shows 3/4" gas pipe capped for future range.

#### 6. Sheet M100R GATEWAY BUILDING HVAC PLAN 30 x 42 attached hereto.

- a. Revisions clouded on Drawing
- b. Changed location and duct size of exhaust (EF-2).

#### 7. Sheet M101R STADIUM BUILDING HVAC PLAN 30 x 42 attached hereto.

- a. Revisions clouded on Drawing
- b. Extend humidity drain pipe from (AC-1), (AC-2) & (AC-3) over to floor drain located in Jan. /Mech. B103.
- c. Relocated (MS-1), (MS-2) and (MS-3).

#### 8. Sheet M103R HVAC SCHEDULES, DETAILS AND SYMBOLS 30 x 42 attached hereto.

- a. Revisions clouded on Drawing
- b. Roof Top Unit Schedule Note correction on #1, exhaust discharge side.
- c. Exhaust Fan Schedule Changed exhaust fan (EF-2) and added note #6.

#### 9. Sheet E001R ELECTRICAL SITE PLAN 30 x 42 attached hereto.

- a. Revisions clouded on Drawing
- b. Background has been updated.

#### 10. Sheet E200R GATEWAY BUILDING POWER PLAN 30 x 42 attached hereto.

- a. Revisions clouded on Drawing
- b. Moved telecom board in MECH A110 room.
- c. Duct smoke detector and note added to RTU-1 on Electrical Roof Plan.

- d. Ice machine removed from Concessions Enlarged Power Plan two ice machine locations added to First Floor Power Plan.
- e. Receptacle changed to wall-mounted Junction Box on Concessions Enlarged Power Plan.
- f. Wall Mounted Junction box added for Speed Controller for EF-2 on Concessions Enlarged Power Plan.
- g. Notes added for new ice machine locations and wall mounted Speed Controller for EF-2.

#### 11. Sheet E201R FIRST FLOOR STADIUM POWER PLAN 30 x 42 attached hereto.

- a. Revisions clouded on Drawing
- b. MS-1, 2, 3 location moved Circuits to each unit relocated.
- c. DWH-2 location moved in JAN./MECH B103 Circuit relocated.
- d. Panels 2A/2B in JAN./MECH B103 relocated from behind door.

#### 12. Sheet E300R ELECTRICAL SCHEDULES 30 x 42 attached hereto.

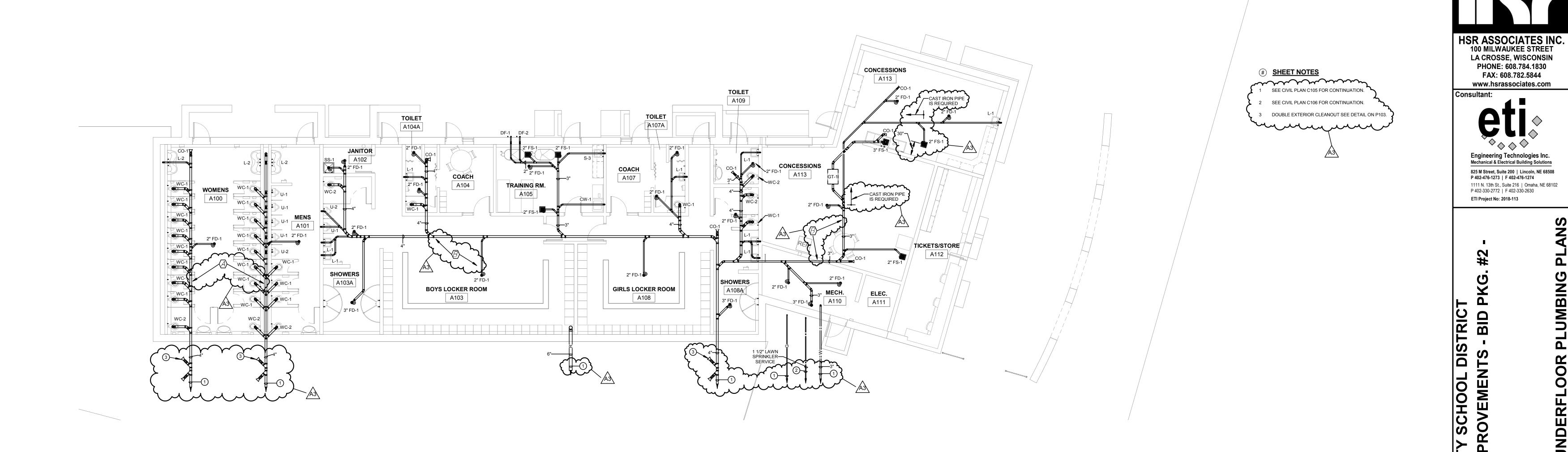
- a. Revisions clouded on Drawing
- b. EWH-1 added to Equipment Connection Schedule.
- c. Ice machine circuits added to Panel 1B in Panel Schedule.
- d. EF-2 circuit added to Panel 1B in Panel Schedule.

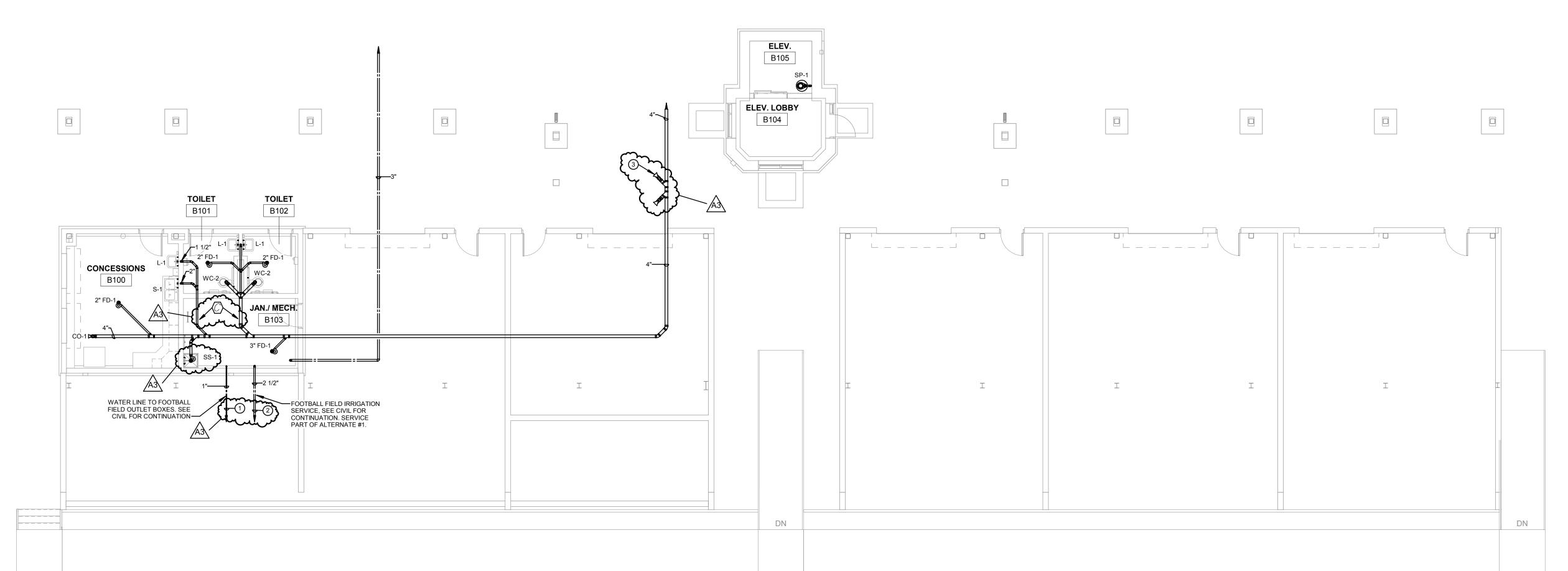
#### 13. Sheet E400R ELECTRICAL DETAILS 30 x 42 attached hereto.

- a. Revisions clouded on Drawing
- b. Two Electrical Details were removed from this page

**END OF DOCUMENT 00 90 00** 

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UNDERFLOOR PLUMBING GATEWAY BUILDING

1/8" = 1'-0"

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ARCHITECTURE

ENGINEERING

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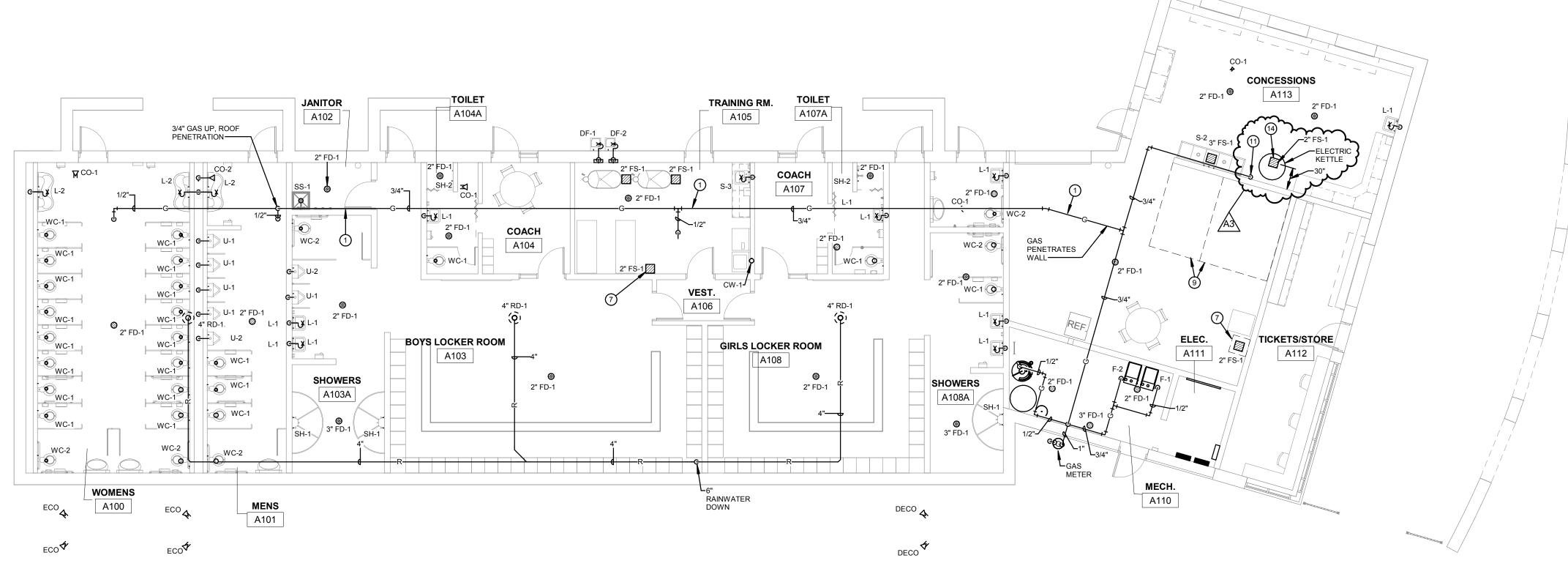
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1111 N. 13th St., Suite 216 | Omaha, NE 68102 P 402-330-2772 | F 402-330-2630

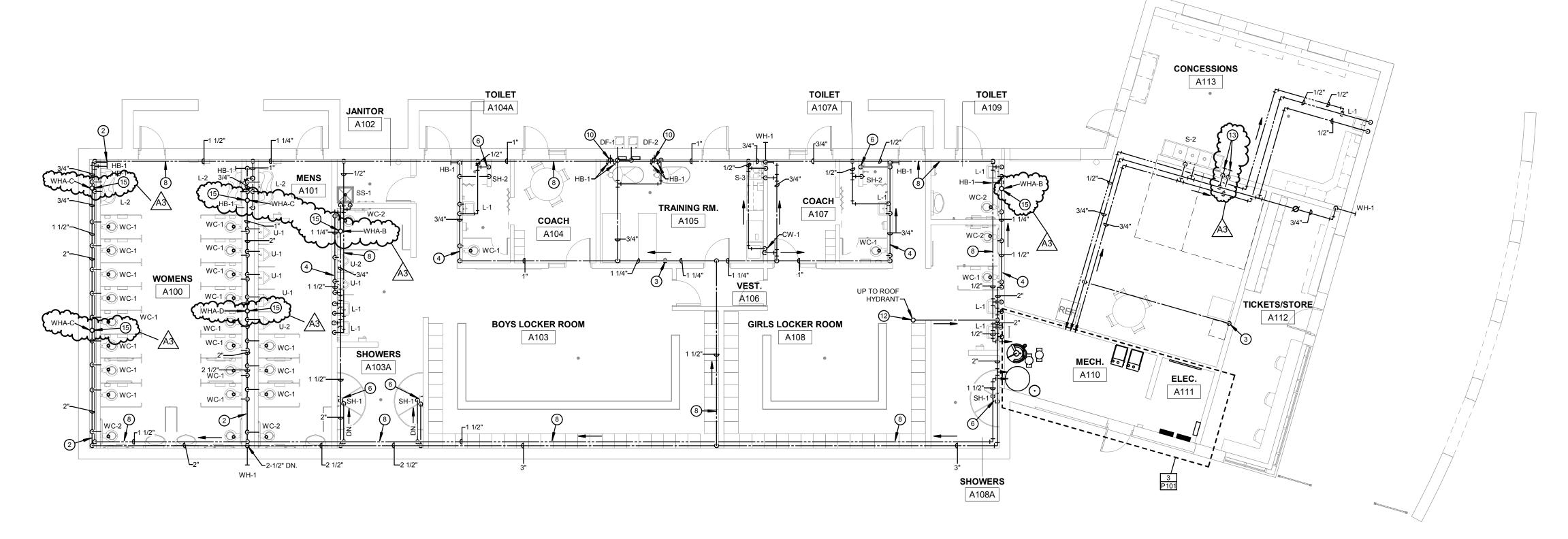
**NOVEMBER 2018** 

ETI Project No: 2018-113

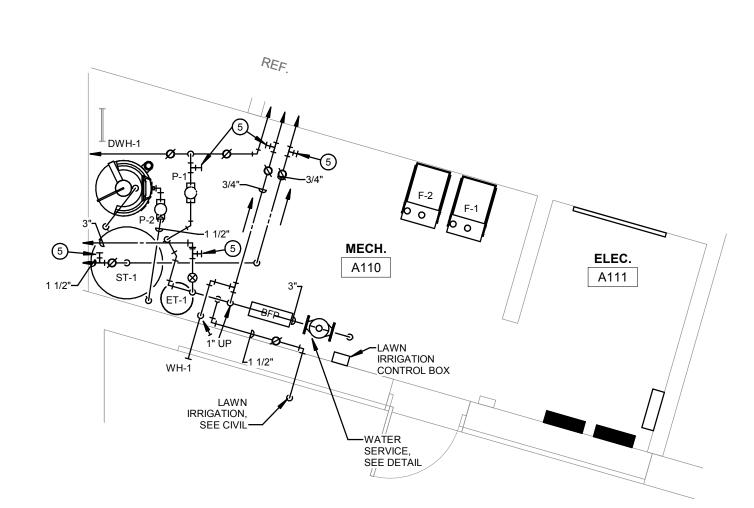
UNDER FLOOR PLUMBING STADIUM BUILDING



SANITARY/RAINWATER/GAS ABOVE FLOOR GATEWAY BUILDING



DOMESTIC WATER ABOVE FLOOR GATEWAY BUILDING



DOMESTIC WATER MECHANICAL ROOM ENLARGED PLAN

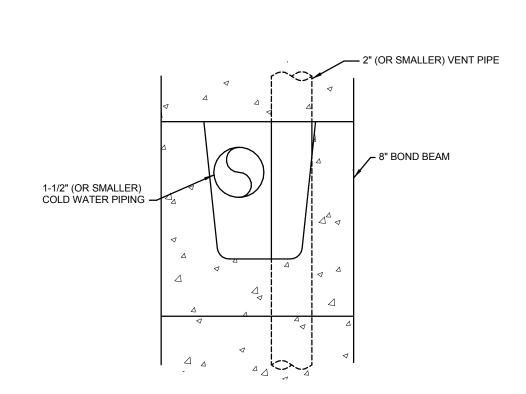


# SHEET NOTES 1 GAS PIPING IS ON THE ROOF ABOVE. SEE SHEET M100 FOR PIPING ON ROOF AND CONNECTION TO RTU-1. PROVIDE RUBBER PIPE ROLLER MAPA MT-2RA6 (OR EQUAL) SUPPORTS FOR GAS PIPING ON ROOF A MINIMUM OF EVERY 10 FEET. WATER PIPING TO BE INSTALLED AT 18" ABOVE FINISHED FLOOR. SLOPE PIPING TOWARDS HOSE BIBBS. HOSE BIBBS ARE TO BE THE LOW POINT OF THE PIPING SYSTEM TO ALLOW FOR WINTERIZATION OF THE DOMESTIC WATER SYSTEM. 3 EXTEND 1/2" COLD WATER LINE DOWN TO ICE MACHINE. PROVIDE SHUTOFF VALVE, BACKFLOW DEVICE AS REQUIRED PER LOCAL CODES AND UNION. 4 COORDINATE WITH WALL CONTRACTOR LOCATION OF BOND BEAMS REQUIRED FOR HORIZONTAL DOMESTIC PIPING AS SHOWN. SEE "BOND BEAM PLUMBING DETAIL" ON THIS SHEET DOMESTIC WATER PIPING TO BE BELOW FLUSH VALVES HEIGHTS AND SLOPE DOWN TO WALL HYDRANT/ HOSE BIBB. 5 3/4" BALL VALVE AND THREADED HOSE CONNECTION FOR CONNECTION OF COMPRESSED AIR FOR WINTERIZATION. 6 PROVIDE DRAIN EXTENSION PIPING FROM SHOWER CONTROL VALVES AS SHOWN IN "SHOWER DRAIN DETAIL" SHOWN ON THIS SHEET. 7 EXTEND DRAIN FROM ICE MACHINE TO FS-1. 8 SECURE PIPING TO WALL. 9 EXTEND HUMIDITY DRAIN FROM FREEZER AND COOLER EVAPORATOR COIL TO OVER FLOOR SINK LOCATED UNDER 3-BOWL SINK (S-2). INSULATE PIPING IN FREEZER. 10 EXTEND 1/2" DOMESTIC HOT AND COLD WATER PIPE DOWN TO HOSE BIBB FOR WHIRLPOOL. MOUNT AT 42" ABOVE FINISHED CAP 3/4" GAS AT 10'-0" ABOVE FINISHED FLOOR FOR FUTURE 12 EXTEND DRAIN LINE TO FLOOR DRAIN IN MECH A110.

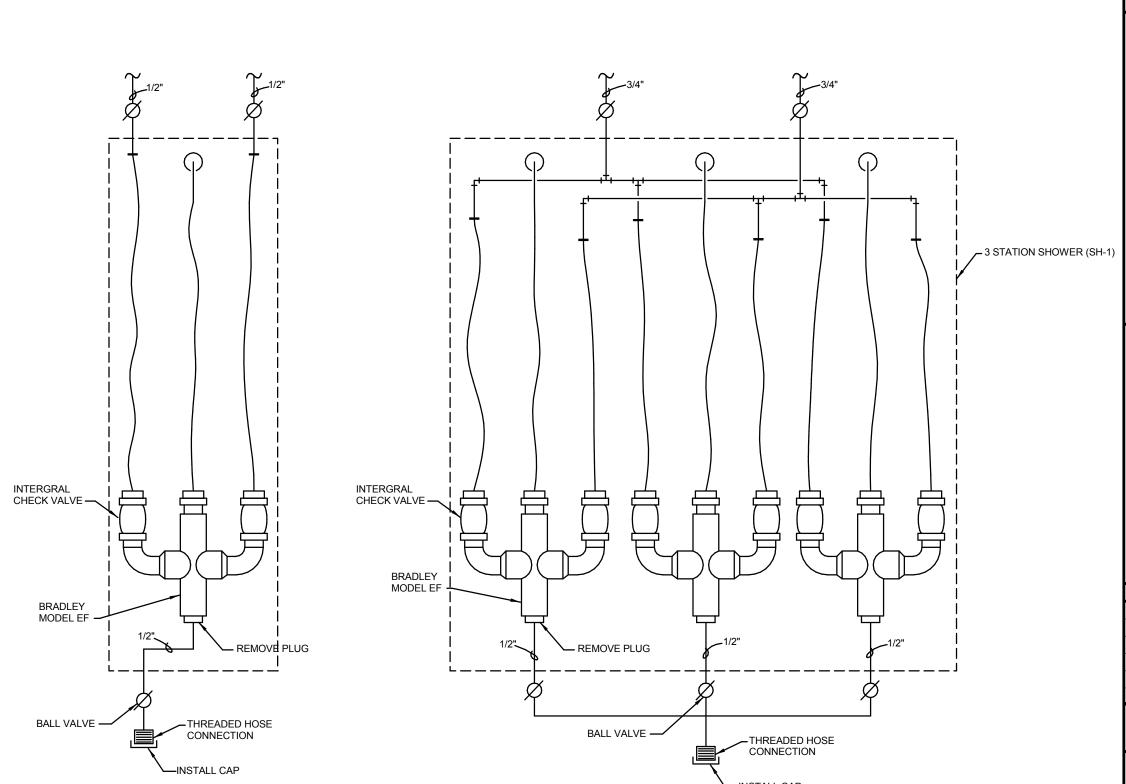
> 3/4" DOMESTIC HOT AND COLD WATER DOWN WALL TO ELECTRIC KETTLE. TERMINATE AT 18" ABOVE FINISHED FLOOR WITH BALL VALVE AND THREADED HOSE CONNECTION.

14 INSTALL CENTERLINE OF FLOOR SINK 30" FROM WALL.

15 WATER HAMMER ARRESTOR, SEE SCHEDULE ON P104.



BOND BEAM PLUMBING DETAIL



SHOWER DRAIN EXTENSION DETAIL



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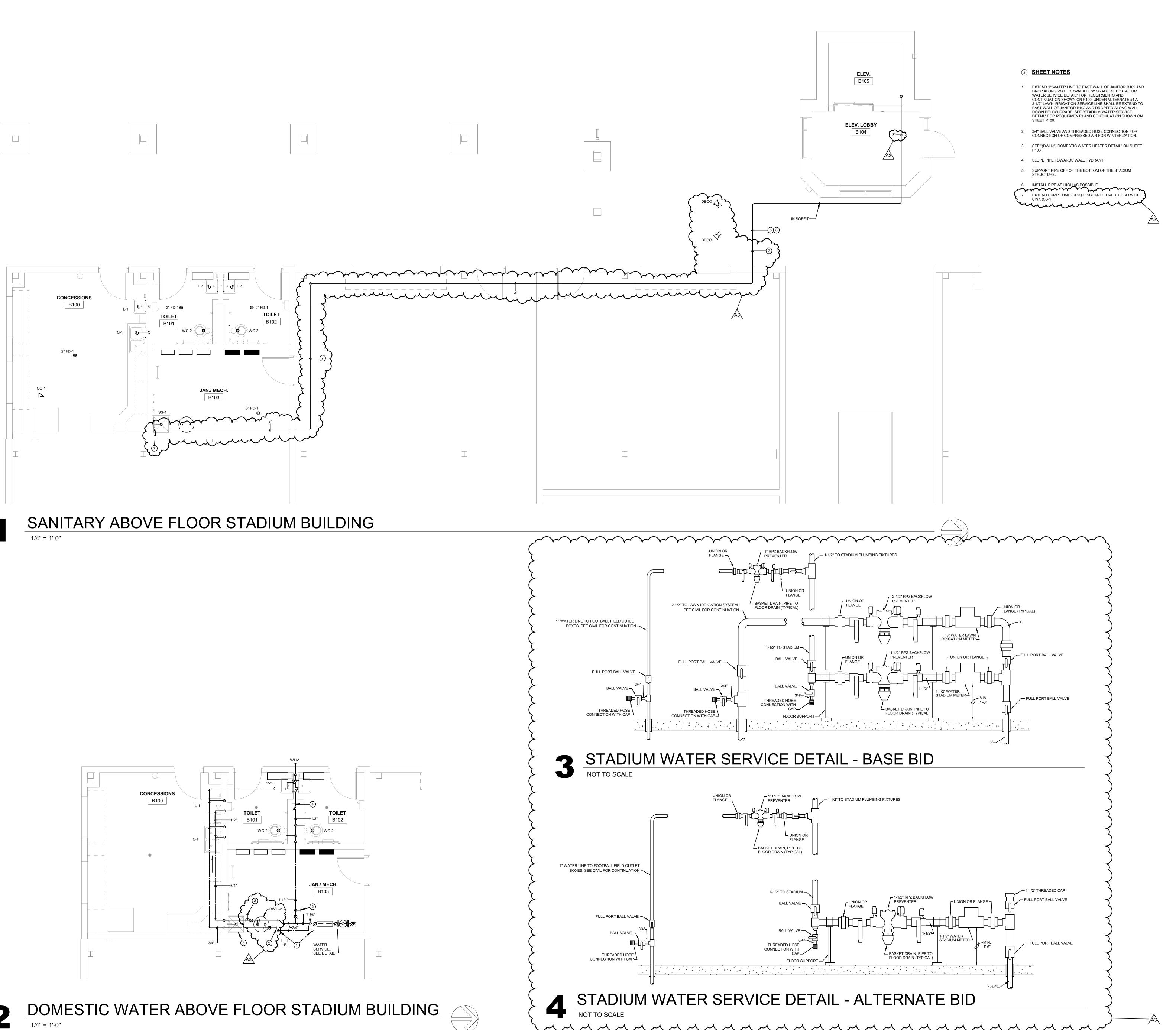
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TRUE NORTH

No. Description
A3 ADDENDUM #3

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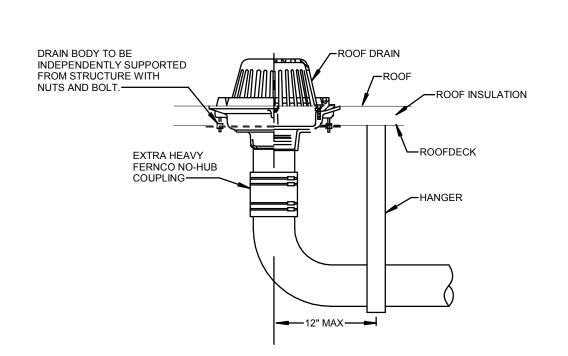


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**VARIES** 

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ROOF DRAIN DETAIL

TOWARD DRAIN-7

3" PVC SEE FLOOR

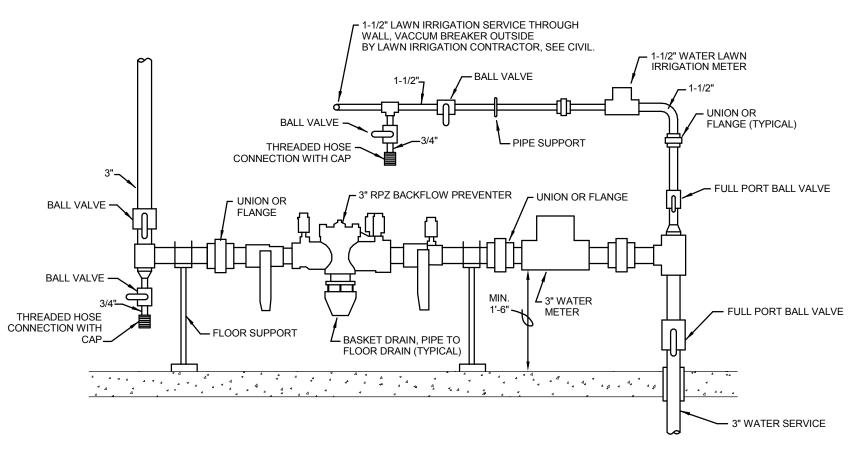
NOTES: LOCATE OIL MINDER

CONTOL AND HIGH WATER ALARM IN JANITOR/MECH B103.

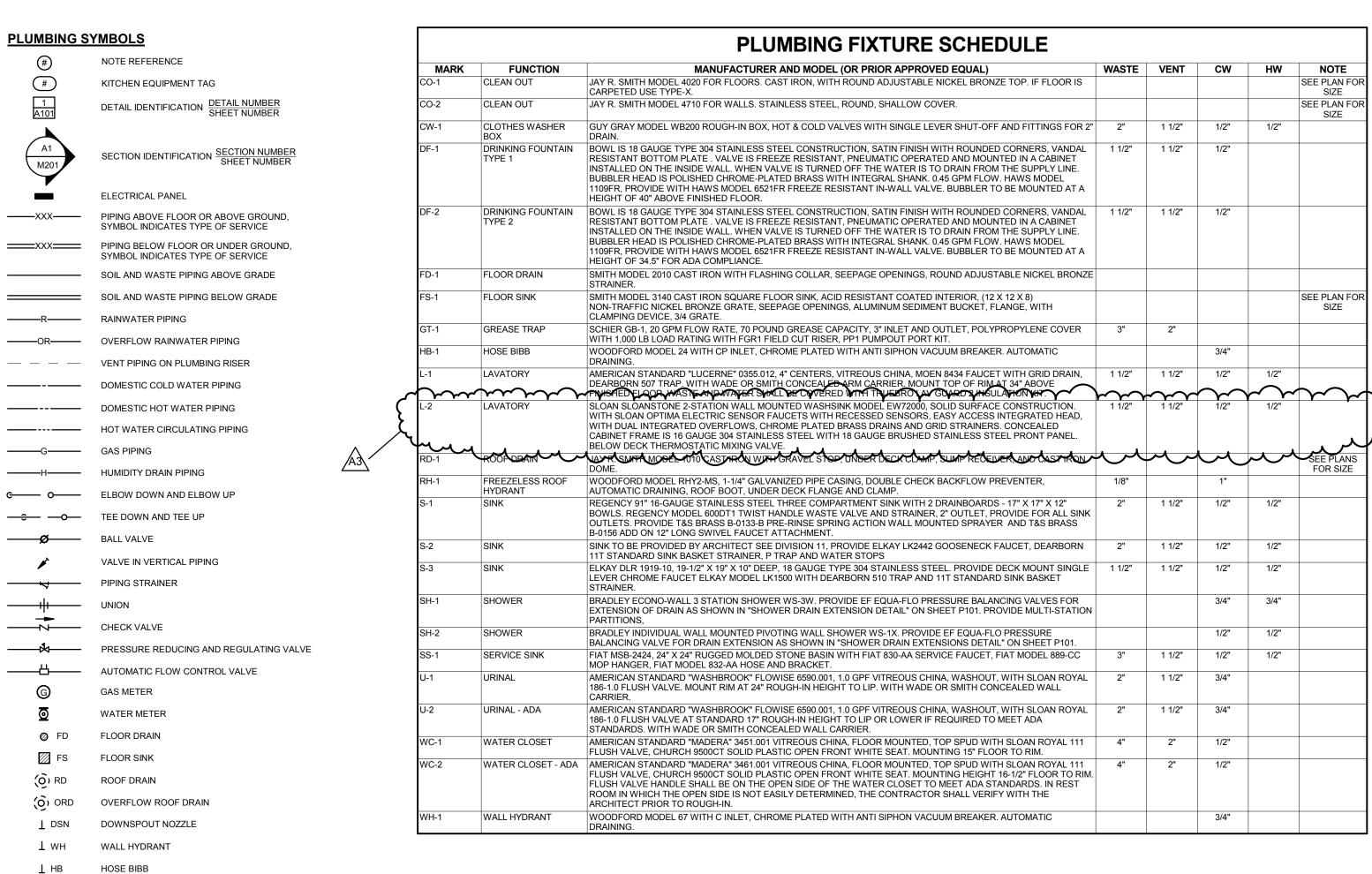
CHECK

CONTINUATION—

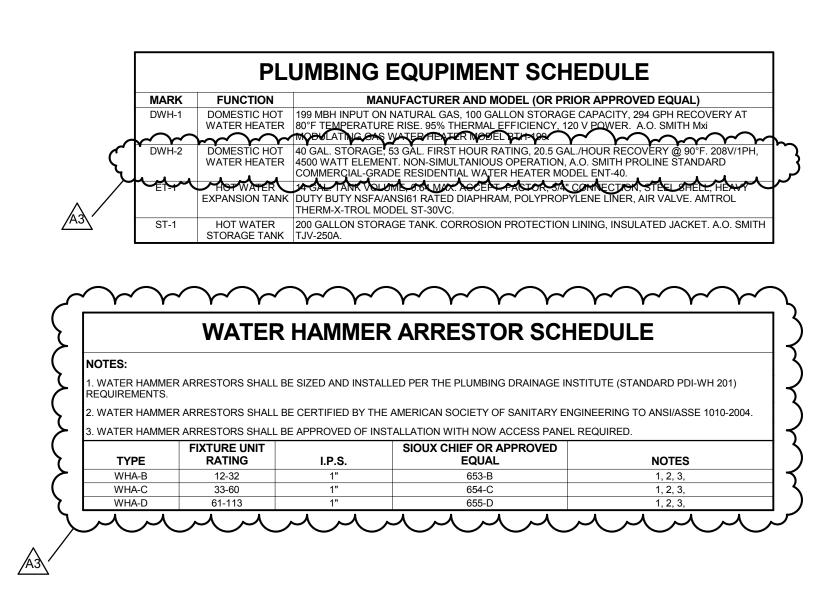
PLAN FOR

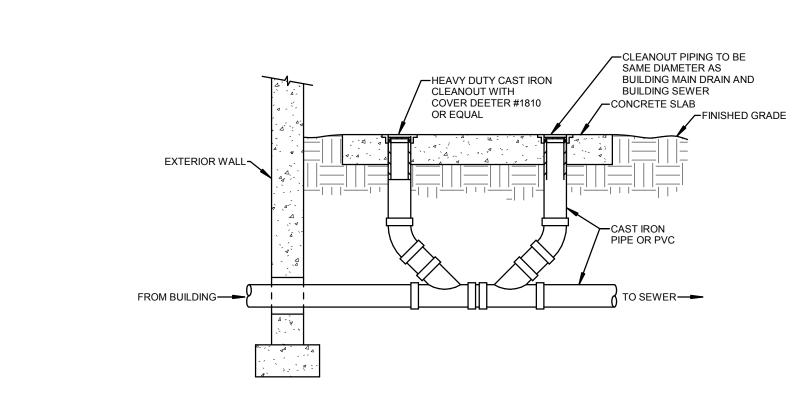


GATEWAY WATER SERVICE DETAIL



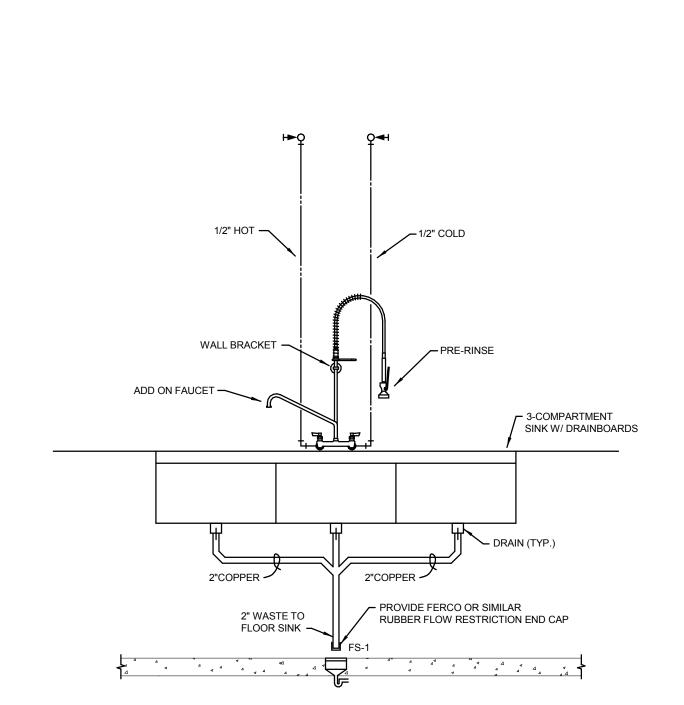
				PU	MP S	SCHE	DUL	Ε			
NOTES:											
1. PUMP	TO BE APPROVED	FOR POTABL	LE WATER	. PUMP TO	HAVE ST	TAINLESS	STEEL C	ONSTRU	CTION	I. PUMP SHALL HAVE 3-SPEI	ED MOTOR.
2. PUMP	TO HAVE ADJUST	ABLE ECM MO	OTOR WIT	H DISPLAY	SHOWIN	IG FLOW A	ND ENEI	RGY CON	ISUMF	TION.	
3. BUILT	IN OVERLOAD PR	OTECTION LIC	QUID LEVE	L CONTRO	DL.						
4. PROV	IDE WITH 18" DIA	Y ANII FIDEDOI	400 D40								
	IDE VVIIII IO DIA.	X 30" FIBERGI	<b>-ASS BAS</b>	IN. PROVIL	E STEEL	. Basin Co	VER WIT	TH HOLE	STOP	LLOW DRAINAGE OF ELEV	ATOR PIT.
										LLOW DRAINAGE OF ELEVA VATOR EQUIPMENT ROOM.	ATOR PIT.
5. PROV		ALARM AND R	EMOTE CO	ONTROLLE	R LOCAT	TED OUTSI	DE OF S	HAFT AN	D ELE	VATOR EQUIPMENT ROOM.	ATOR PIT.
5. PROV 6. ELEV	IDE HIGH WATER A	ALARM AND R	EMENTS (	ONTROLLE	R LOCAT	TED OUTSI	DE OF S	HAFT AN	D ELE	VATOR EQUIPMENT ROOM.	ATOR PIT.
5. PROV 6. ELEV	IDE HIGH WATER A	ALARM AND R	EMOTE CO EMENTS O LVE.	ONTROLLE	R LOCAT	TED OUTSI	DE OF SI ATOR CO	HAFT AN	D ELE	VATOR EQUIPMENT ROOM.	ATOR PIT.
5. PROV 6. ELEV	IDE HIGH WATER A ATOR SHALL MEET TO HAVE INTEGRA	ALARM AND R	EMOTE CO EMENTS O LVE.	ONTROLLE OF THE STA	R LOCAT	TED OUTSI	DE OF SI ATOR CO	HAFT AN	D ELE	VATOR EQUIPMENT ROOM.	NOTES
5. PROV 6. ELEV 7. PUMP	IDE HIGH WATER A ATOR SHALL MEET TO HAVE INTEGRA MANUFACTURE	ALARM AND R THE REQUIR AL CHECK VA	EMOTE CO EMENTS O LVE.	ONTROLLE OF THE STA	R LOCAT	TED OUTSI	DE OF SI ATOR CO	HAFT AN ODES AN	D ELE D STA	VATOR EQUIPMENT ROOM. NDARDS.	
5. PROV 6. ELEV 7. PUMP MARK	IDE HIGH WATER A ATOR SHALL MEET TO HAVE INTEGRA MANUFACTURE R	ALARM AND R THE REQUIR AL CHECK VA  MODEL #  ALPHA2	EMOTE CO EMENTS O LVE.	ONTROLLE OF THE STA	R LOCAT ATE OF IC	TED OUTSI	DE OF SI ATOR CO MO HP	HAFT AN ODES AN TOR DAT VOLT	D ELE D STA	VATOR EQUIPMENT ROOM. NDARDS.  SYSTEM SERVED  DOMESTIC HOT WATER	NOTES





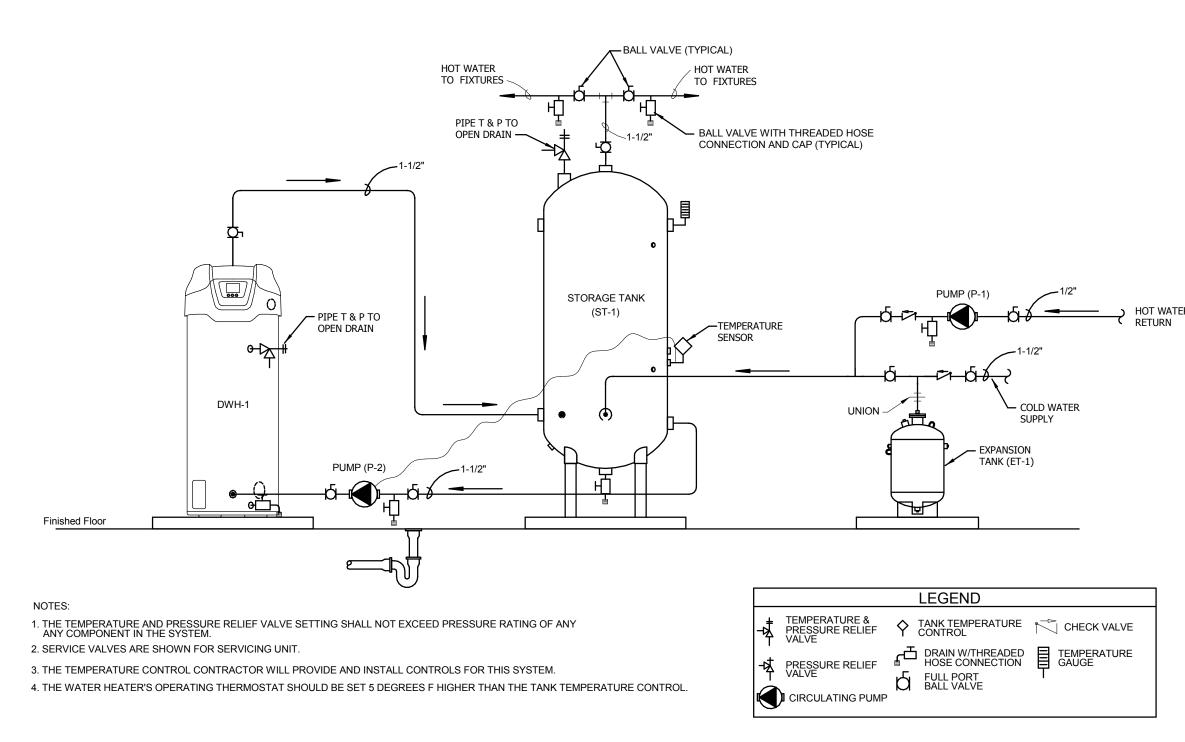
DOUBLE EXTERIOR CLEANOUT DETAIL

NOT TO SCALE



ELEVATOR PIT SUMP PUMP DETAIL

5 THREE COMPARTMENT SINK DETAIL



**⊸** co

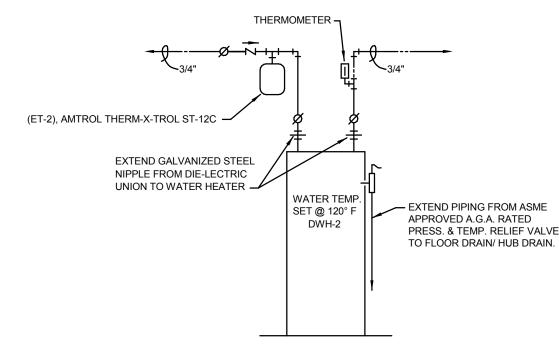
BELOW FLOOR OR UNDER GROUND P-TRAP

PIPE BREAK MARK

P-TRAP THAT SERVES FIXTURE ON FLOOR ABOVE

6 DWH-1 DOMESTIC WATER HEATER DETAIL

NOT TO SCALE



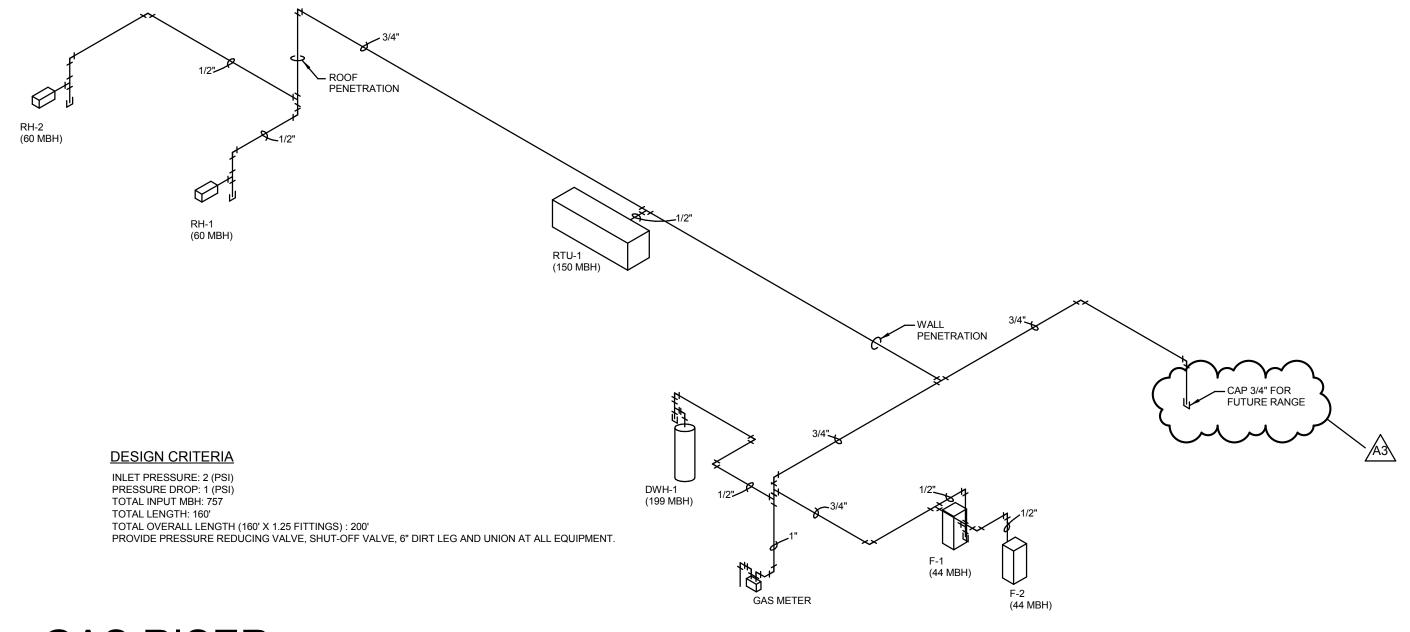
7 (DWH-2) DOMESTIC WATER HEATER DETAIL

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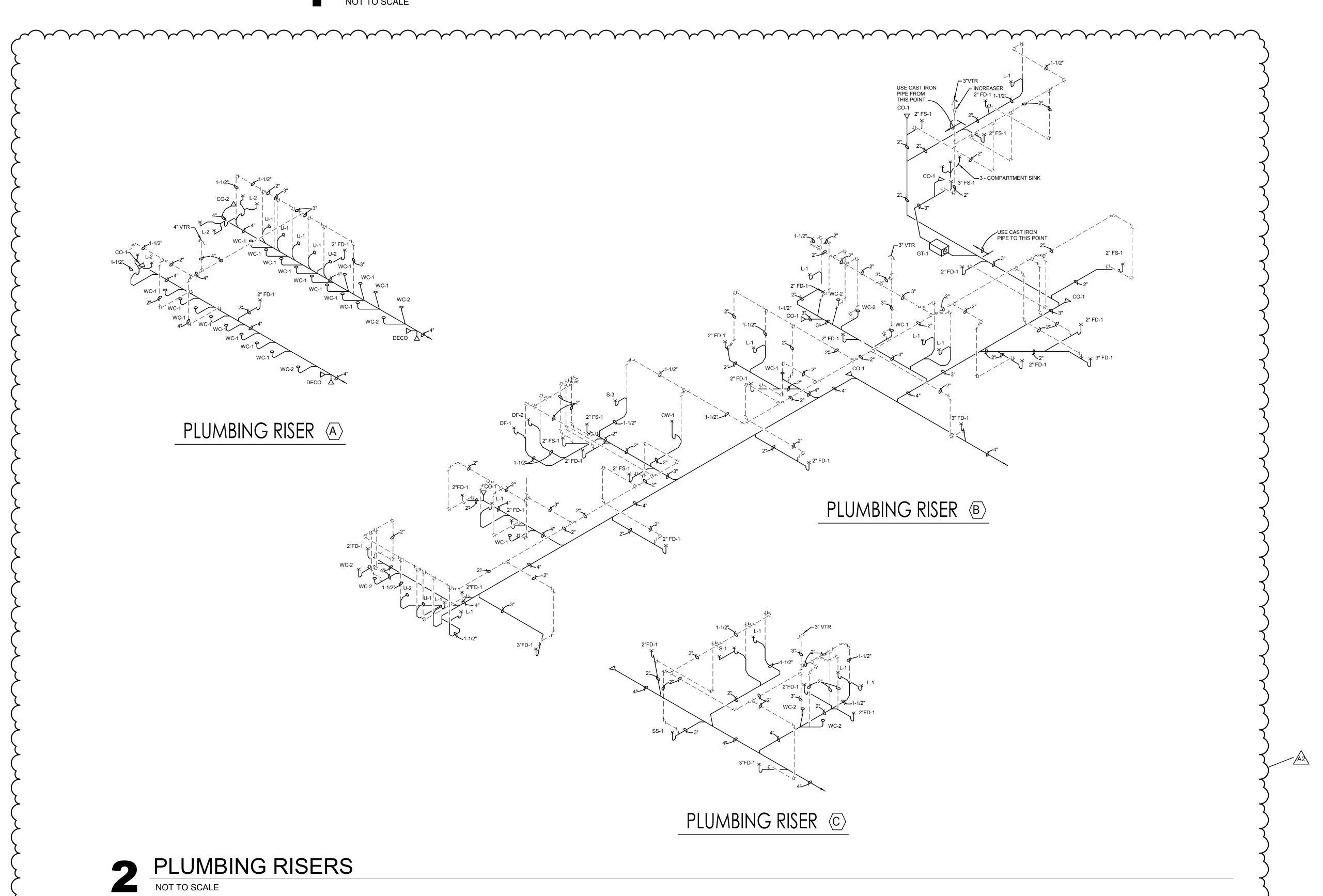
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INTERIOR DESIGN



GAS RISER



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ETI Project No: 2018-113

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Revisions:

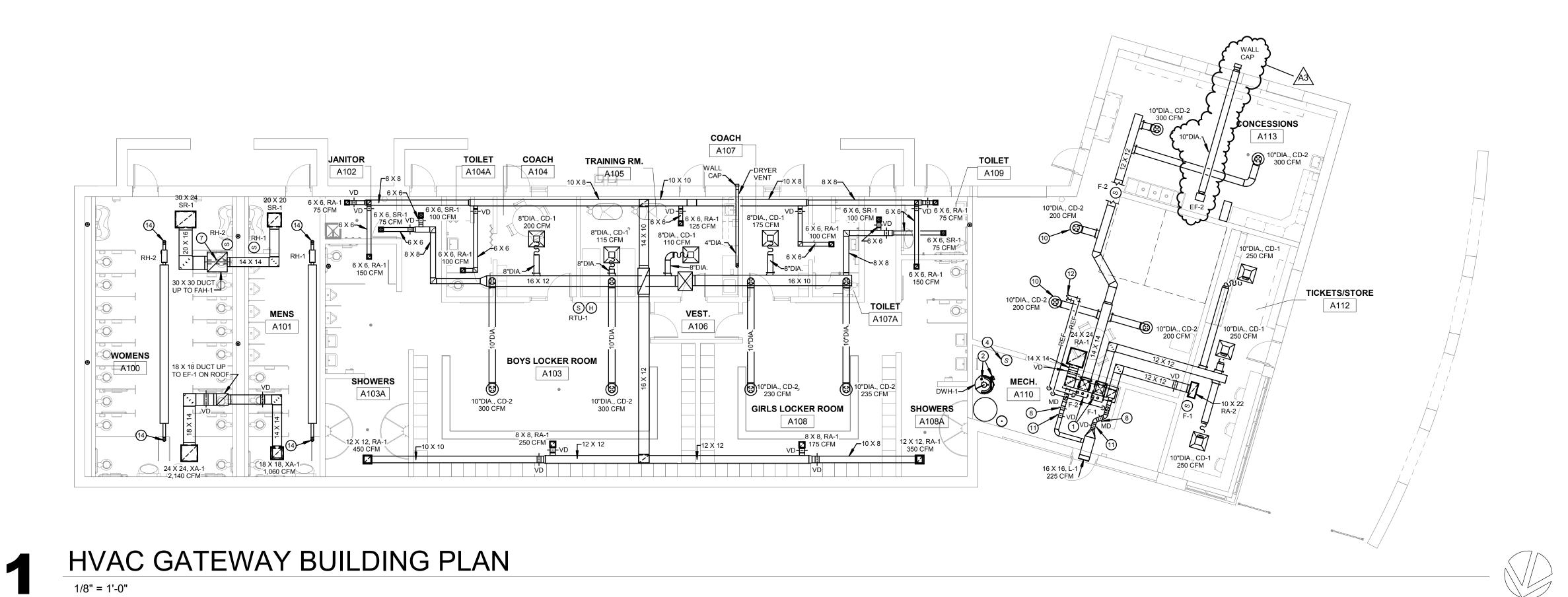
No. Description

A2 ADDENDUM #2

A3 ADDENDUM #3

**VARIES** 

Last Update: 11/20/2018 8:58:14 AM



INTAKE AND FLUE
PIPING FROM
FURNACES RADIANT HEATER EXHAUST CAP RADIANT
HEATER
EXHAUST
CAP 2 HVAC GATEWAY ROOF PLAN

1/8" = 1'-0"

#### **GENERAL NOTES**

- A DUCTWORK IN SHOWERS AND LOCKER ROOMS SHALL BE ALUMINUM OR STAINLESS STEEL.
- B MECHANICAL EQUIPMENT ON THE ROOF SHALL BE A MINIMUM 10'-0" FROM THE ROOF EDGE.

#### # SHEET NOTES

- 1 INTAKE AND FLUE PIPING UP THROUGH ROOF BY HVAC CONTRACTOR. SEE MANUFACTURER FOR PIPING REQUIREMENTS AND RECOMMENDATIONS.
- 2 INTAKE AND FLUE PIPING FROM DWH-1 THROUGH ROOF BY PLUMBING CONTRACTOR. SEE MANUFACTURER FOR PIPING REQUIREMENTS AND RECOMMENDATIONS.
- 4 TEMPERATURE SENSOR FOR ELECTRIC HEAT ARE PROVIDED AND INSTALLED BY TEMPERATURE CONTROL CONTRACTOR. ELECTRIC HEATER IS PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.
- 5 GAS PIPING BY PLUMBING CONTRACTOR.
- 7 MOTORIZED DAMPER TO OPEN WHEN EXHAUST FAN IS OPERATING. MOTORIZED DAMPER TO CLOSE WHEN EXHAUST FAN SHUTS DOWN.
- 8 MOTORIZED DAMPER TO OPEN WHEN FURNACE BLOWER IS ON AND CLOSE WHEN FURNACE BLOWER IS OFF.
- 9 WALK IN COOLER AND FREEZER CONTRACTOR TO PROVIDE CONDENSING UNITS AND REFRIGERANT PIPING. CONDENSING UNITS TO MEET ALL CLEARANCE REQUIREMENTS INCLUDING 10' FROM EDGE CLEARANCE.
- 10 INSTALL BOTTOM OF CEILING DIFFUSER BELOW BEAM.
- 11 EXTEND 6" DIA. FRESH AIR DUCT TO FURNACE F-1 AND BALANCE TO 75 CFM. EXTEND 10" DIA. FRESH AIR DUCT TO FURNACE F-2 AND BALANCE TO 150 CFM..
- 12 FOR CONTINUATION OF REFRIGERANT PIPE SEE ROOF PLAN ON THIS
- 13 ROOF HYDRANT BY PLUMBING CONTRACTOR.
- 14 RADIANT HEATER INLET AND EXHAUST THROUGH ROOF.



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**NOVEMBER 2018** 



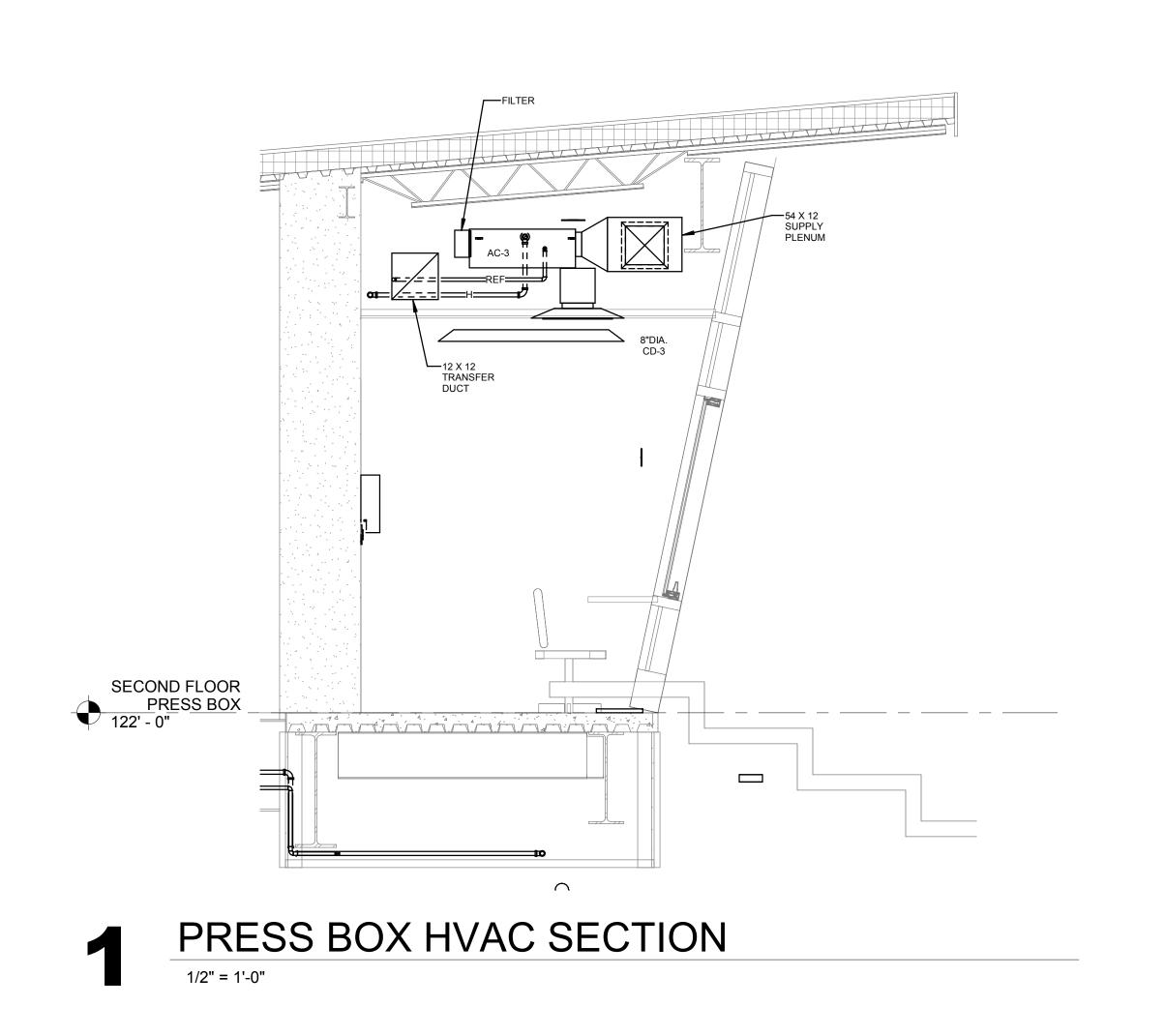
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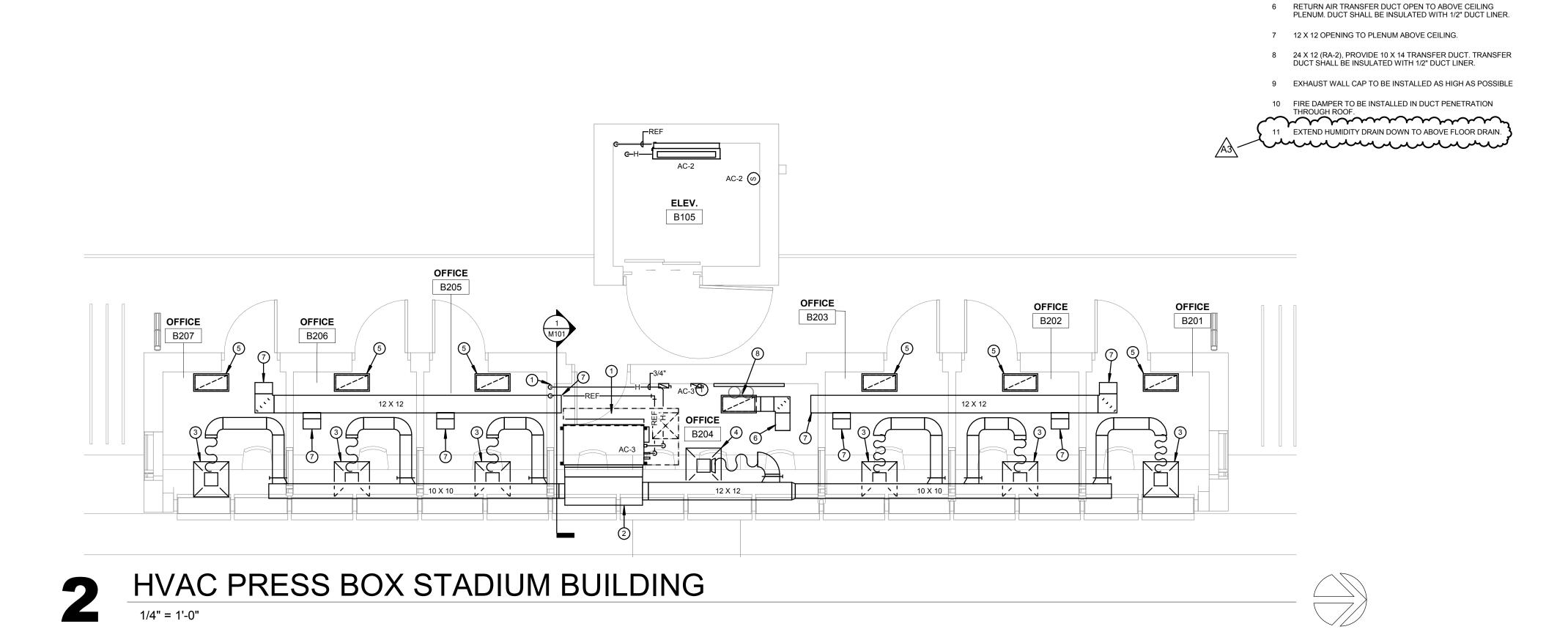
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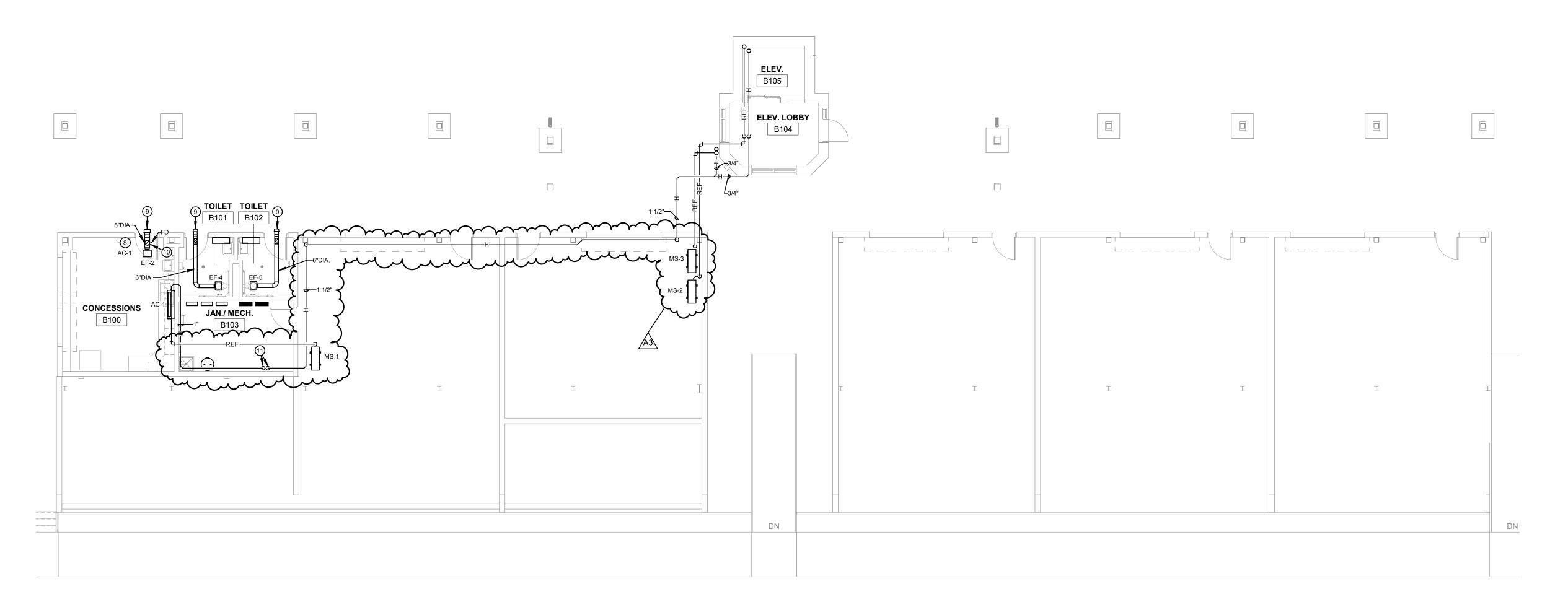
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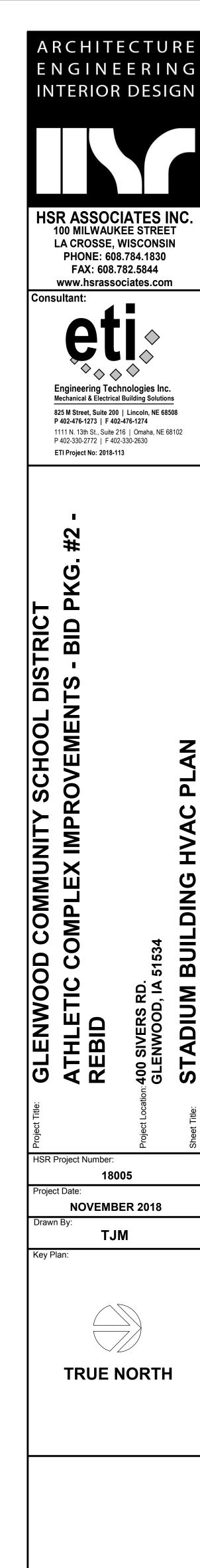
A3 ADDENDUM #3

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Last Update: 11/20/2018 8:46:20 AM

# SHEET NOTES

1 INSTALL AC-3 ABOVE CEILING. PROVIDE CLEARANCE FOR ACCESS TO UNIT AND FILTER. EXTEND REFRIGERANT PIPING AND HUMIDITY DRAIN PIPING FROM UNIT TO LOCATION

3 10 X 10 (CD-3) WITH 10 X 10 X 16 REGAIN BOX, BALANCE TO 150 CFM. REGAIN BOX SHALL BE INSULATED WITH 1/2" DUCT LINER. EXTEND 8" DIA. DUCT AS SHOWN.

4 14 X 14 (CD-3) WITH 14 X 14 X 18 REGAIN BOX, BALANCE TO 300 CFM. REGAIN BOX SHALL BE INSULATED WITH 1/2" DUCT LINER. EXTEND 10" DIA. DUCT AS SHOWN.

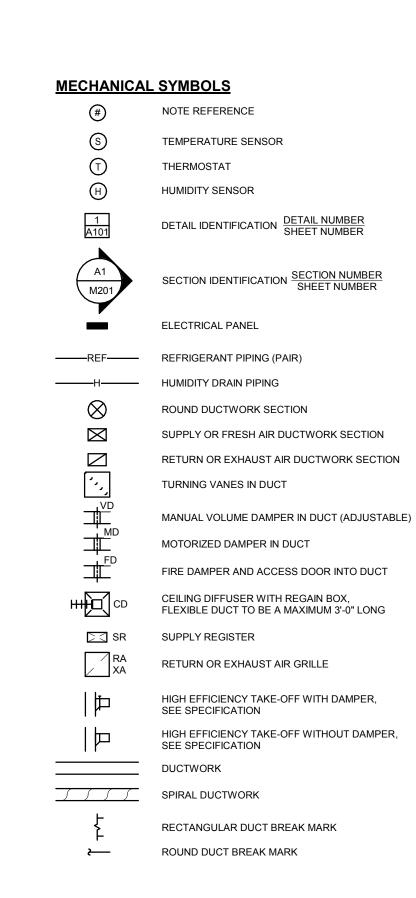
SHOWN EXTENDING DOWN WALL.

5 24 X 12 (RA-2) OPEN TO CEILING SPACE ABOVE.

2 54 X 12 SUPPLY AIR PLENUM.

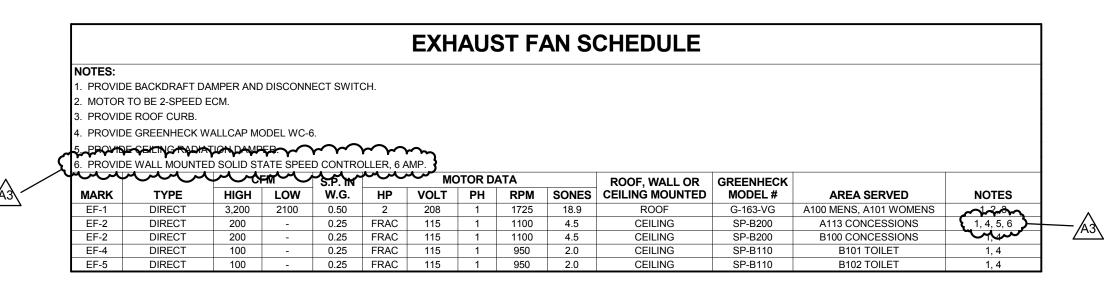
3 HVAC FIRST FLOOR STADIUM BUILDING

1/8" = 1'-0"



#### **ROOF TOP UNIT SCHEDULE** 1. AIR CONNECTION LOCATIONS; OUTDOOR AIR - END, RETURN AIR - BOTTOM, SUPPLY AIR - BOTTOM EXHAUST DISCHARGE SIDE. 2. DURING OCCUPIED TIMES THIS UNIT IS 100% OUTDOOR AIR. PROVIDE ELAT BLATE HEAT EVOLUNOED THE PROVIDED THE PROV . PROVIDE FLAT PLATE HEAT EXCHANGER IN UNIT. . PROVIDE INSULATED FLOOR PAN AND DRAIN PAIN, MODULATING OUTDSIDE AIR DAMPER AND RETURN AIR DAMPER, GRAVITY EXHASUT AIR DAMPER, HOT GAS REHEAT, AND CONDENSATE OVERFLOW SWITCH. . 10:1 TURN DOWN ON NATURAL GAS HEATING. 6. SINGLE SUPPLY FAN WITH VFD, SINGLE EXHASUT FAN WITH VFD, SINGLE SCROLL COMPRESSOR. 7. SEE SPECIFICATIONS FOR ADDITIONAL OPTIONS AND FEATURES. ELECTRICAL (SINGLE **SUMMER CONDITIONS** WINTER CONDITIONS NATURAL GAS HEATING **COOLING CAPACITY** POINT POWER) SUPPLY FAN EXHAUST FAN OUTDOOR AIR EXHAUST AIR DISCHARGE AIR OUTDOOR EXHAUST AIR FLOW | E.S.P. IN | W.G. | CFM | W.G. | | W.G. | | W.G. | | W.G. | | W.G. | | W.G. | | W.G. | | W.G. | W.G.

					F	URNACE	& CO	NDEN	SING	<b>UNIT S</b>	CHE	DULE			
NOTES:															
1. ALTERN	NATE FURNA	CES & CONDENS	SING UNITS A	RE ACCEPTABL	E ONLY WI	TH PRIOR APPROVAL	. BY ENGINEE	ER.							
2. COOLIN	IG CAPACITIE	S BASED ON 95	° F AMBIENT	AIR & 80° F D.B.	/67° F W.B.	RETURN AIR.									
3. ALL FUI	RNACES SHA	LL BE 120 VOLT	•												
4. ALL CO	NDENSING U	NITS SHALL BE	208 VOLT, 3 F	PHASE.											
5. FILTER	& FILTER RA	CK SHALL BE PF	ROVIDED WIT	H UNIT, SEE SP	ECIFICATIO	DNS.									
6. CONCE	NTRIC ROOF	TERMINATION I	KIT SHALL BE	PROVIDED WIT	H UNIT FOR	R INTAKE AND EXHAU	JST PIPING.								
					D LOW PRE	SSURE SWITCH.									
8. CONDE	NSING UNIT	SHALL HAVE HA													
			F	JRNACE					CONDEN	ISING UNIT				LENNOX MODEL NO	
				ELECTR	ICAL		MIN. CO	OOLING		ELI	ECTRICAL				
MARK	SUPPLY CFM	EXTERNAL S.P.	MOTOR H.P.	VOLT / PH	MOP	NATURAL GAS MBH OUTPUT	SENS. MBH	TOTAL MBH	MIN. SEER	VOLT / PH	MCA	MOP	FURNACE	EVAP. COIL	CONDENSING UNIT
						-	<b></b>					1			
F-2/CU-2	1200	0.75	1/2	120/1	15	42.0	27.4	34.2	14.50	208 / 3	18.7	30	EL195UH045XE36B	C33-31B	TSA-036



	DIFFUSER, GRILLE, AND REGISTER SCHEDULE								
MARK	FUNCTION	MANUFACTURER AND MODEL (OR PRIOR APPROVED EQUAL)							
CD-1	CEILING DIFFUSER TYPE 1	TITUS OMNI-AA, HEAVY ALUMINUM CONSTRUCTION, FRAME FOR LAY-IN TEE BAR CEILING, 24" X 24" PANEL, WHITE FINISH, OPPOSED BLADE DAMPER.							
CD-2	CEILING DIFFUSER TYPE 2	TITUS TMRA-AA TYPE 1, ALUMINUM CONSTRUCTION, 3 ADJUSTABLE SLIDING CONES, WHITE FINISH. PROVIDE TITUS OPPOSED BLADE DAMPER.							
CD-3	CEILING DIFFUSER TYPE 3	TITUS 250, 4-WAY DISCHARGE AIR PATTERN, BORDER TYPE 3 FOR 24" X 24" LAY-IN CEILING, WHITE FINISH, SEE PLAN FOR DUCT SIZE.							
SR-1	SUPPLY REGISTER TYPE 1	TITUS 300FS, DOUBLE DEFLECTION, VERTICAL BLADE, OPPOSED BLADE DAMPER, WHITE FINISH, ALUMINUM CONSTRUCTION.							
RA-1	RETURN AIR GRILLE TYPE 1	TITUS 350FL, ALUMINUM CONSTRUCTION, WHITE FINISH, HORIZONTAL BLADES, 35° DEFLECTION, SURFACE MOUNTED, 3/4" BLADE SPACING.							
RA-2	RETURN AIR GRILLE TYPE 2	TITUS PAR-AA, PERFORATED FACE RETURN GRILLE, ALUMINUM CONSTRUCTION, 24" X 24" PANEL OR 12" X 24" PANEL FOR LAY-IN CEILING WITH NECK SIZE AS SHOWN ON PLANS.							
XA-1	EXHAUST AIR GRILLE TYPE 1	TITUS 350FL, ALUMINUM CONSTRUCTION, WHITE FINISH, HORIZONTAL BLADES, 35° DEFLECTION, SURFACE MOUNTED, 3/4" BLADE SPACING. PROVIDE OPPOSED BLADE DAMPER.							

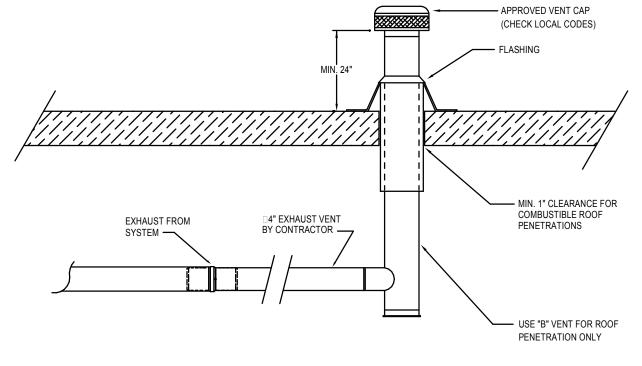
			L	OUVER	<b>SCHEDULI</b>	E		
NOTES:								
1. ARCHITECT TO	SELECT FINA	L COLOR.						
2. PROVIDE INSE	CT SCREENS.							
3. PROVIDE INTE	GRAL FLANGE	-						
MARK	CFM	WIDTH	HEIGHT	S.P. IN W.G. (MAX)	FREE AREA VELOCITY (FT/MIN)	FREE AREA (FT²)	RUSKIN MODEL #	SERVES
L-1	225	16"	16"	0.15	405	.37	EME6625	F-1, F-2

FRESH AIR HOOD SCHEDULE								
		THROA	AT SIZE	S.P. IN W.G.	IN W.G. THROAT	CURB	GREENHECK	
MARK	CFM	WIDTH	LENGTH	(MAX)	VELOCITY (FPM)	HEIGHT	MODEL#	SERVES
FAH-1	1.800	24 1/2"	24 1/2"	0.06	556	14"	GRSI	A100 MENS, A101 WOMENS

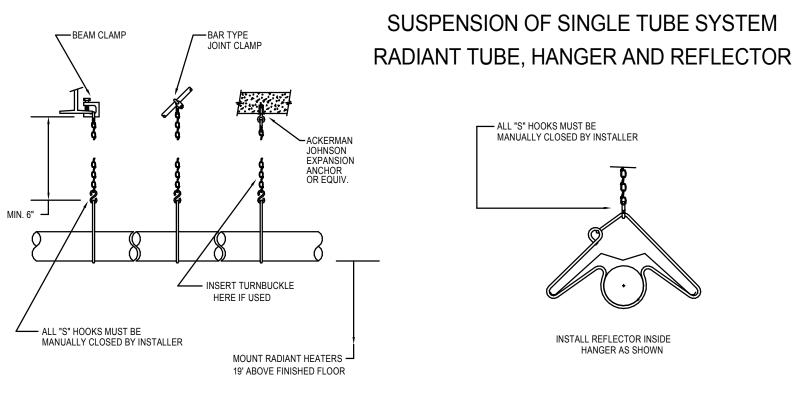
	INFRA	-RED TU	BE HEA	TER SCH	EDULE	
NOTES:						
1. PROVIDE TERMIN	NATION KIT FOR ALL	WALL AND ROOF T	ERMINATIONS AS	NEEDED.		
2. REFLECTOR TO	BE INSTALLED AT 45°	ANGLE.				
2. REFLECTOR TO	BE INSTALLED AT 45° SUPERIOR MODEL	° Angle.  Volt	АМР	GAS INPUT (MBH)	LENGTH (FEET)	GAS CONNECTIOI SIZE
	SUPERIOR		<b>AMP</b> 6		LENGTH (FEET)	CONNECTION

MA	ARK	
OUTDOOR	INDOOR	MANUFACTURER AND MODEL (OR PRIOR APPROVED EQUAL)
AC-1	MS-1	MITSUBISHI MNI SPLIT HEAT PUMP MODEL PKA-A24KA6 INDOOR UNIT, PUZ-A24HA6 OUTDOOR UNIT, 208 VOLT 1 PHASE, 24 MBH COOLING, 28 MBH HEATING AT 47°F, 17 SEER, 3.27 COP AT 47°F. PROVIDE UKPRCOO1-CN-1 BACNET INTERFACE. ROOM TEMPERATURE SENSOR SHALL BE PROVIDED AND INSTALLED BY THE TEMPERATURE CONTROL CONTRACTOR.
AC-2	MS-2	MITSUBISHI MINI SPLIT HEAT PUMP MODEL PKA-A24KA6 INDOOR UNIT, PUZ-A24HA6 OUTDOOR UNIT, 208 VOLT 1 PHASE, 24,000 BTUH COOLING, 28,000 BTUH HEATING AT 47°F, 17 SEER, 3.27 COP AT 47°F. PROVIDE UKPRCOO1-CN-1 BACNET INTERFACE. ROOM TEMPERATURE SENSOR SHALL BE PROVIDED AND INSTALLED BY THE TEMPERATURE CONTROL CONTRACTOR.
AC-3	MS-3	MITSUBISHI MINI SPLIT HEAT PUMP MODEL PEAD-A36AA INDOOR UNIT, PUZ-A36NHA3 OUTDOOR UNIT, 208 VOLT, 1 PHASE,35 MBH COOLING, 37 MBH HEATING CAPACITY AT 47°F. 15.0 SEER. PROVIDE UKPRCOO1-CN-1 BACNET INTERFACE. ROOM TEMPERATURE SENSOR SHALL BE PROVIDED AND INSTALLED BY THE TEMPERATURE CONTROL CONTRACTOR.

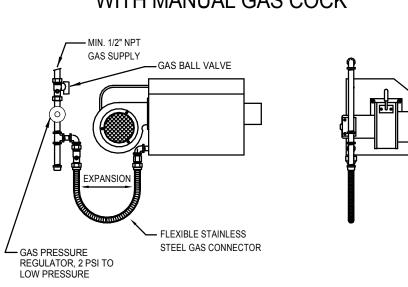
## EXHAUST VENT ROOF PENETRATION DETAIL



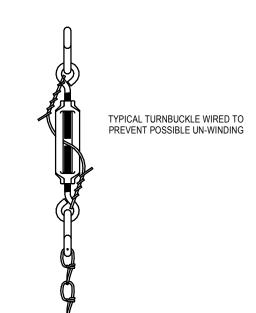
#### TYPICAL SUSPENSION DETAIL



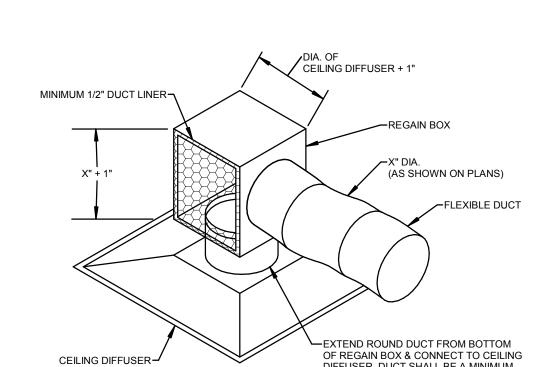
#### STAINLESS STEEL GAS CONNECTOR WITH MANUAL GAS COCK



# TURNBUCKLE DETAIL



### RADIANT HEATER DETAIL



DIFFUSER. DUCT SHALL BE A MINIMUM

1-1/2" X 1-1/2" X 1/4" ANGLE IRON, ANCHOR TO DUCTWORK AND WALL,

PROVIDE FOR HEAD AND SIDES. DO NOT PROVIDE ANGLE ON BOTTOM

-DUCT WRAP INSULATION

SECURE BOTTOM OF DUCT INTO EXTENDED SILL, WATERPROOF JOINT

SLOPE BOTTOM OF DUCT TOWARD LOUVER

SECURE TOP OF DUCT TO LOUVER -

LOUVER, SEE FLOOR PLAN FOR EXACT SIZE

EXTEND SILL BY LOUVER

WEEP HOLE IN BOTTOM OF LOUVER-

MANUFACTURER-

EXTERIOR WALL-

CAULK-

1/8" = 1'-0"

LOUVER DETAIL

CAULK-

REGAIN BOX DETAIL

INTERIOR DESIGN

ARCHITECTURE

HSR ASSOCIATES INC. 100 MILWAUKEE STREET LA CROSSE, WISCONSIN PHONE: 608.784.1830 FAX: 608.782.5844 www.hsrassociates.com

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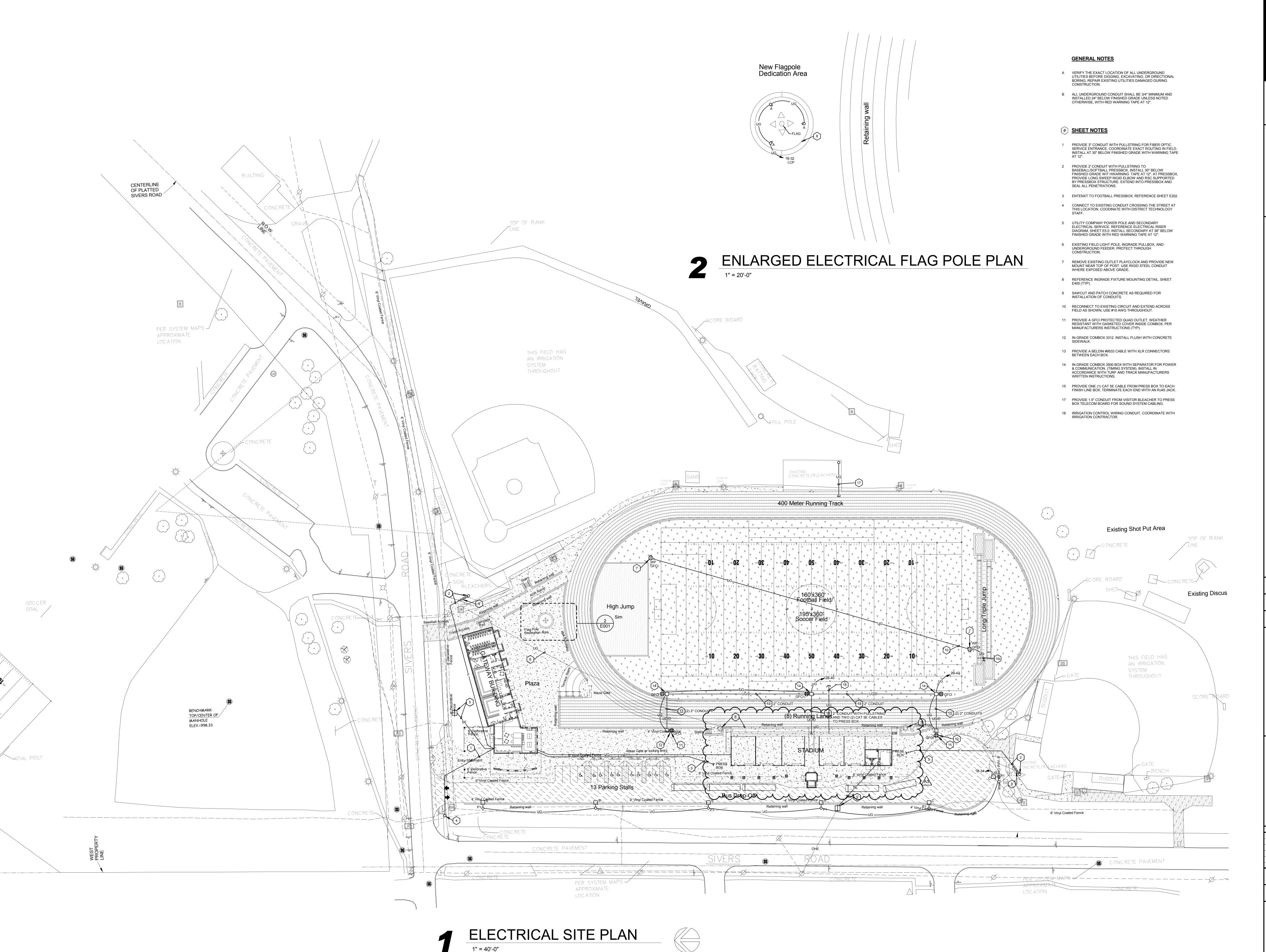
T PKG OMMUNIT GLENWOOD ATHLETIC CC REBID

> HSR Project Number: 18005 **NOVEMBER 2018**

TJM

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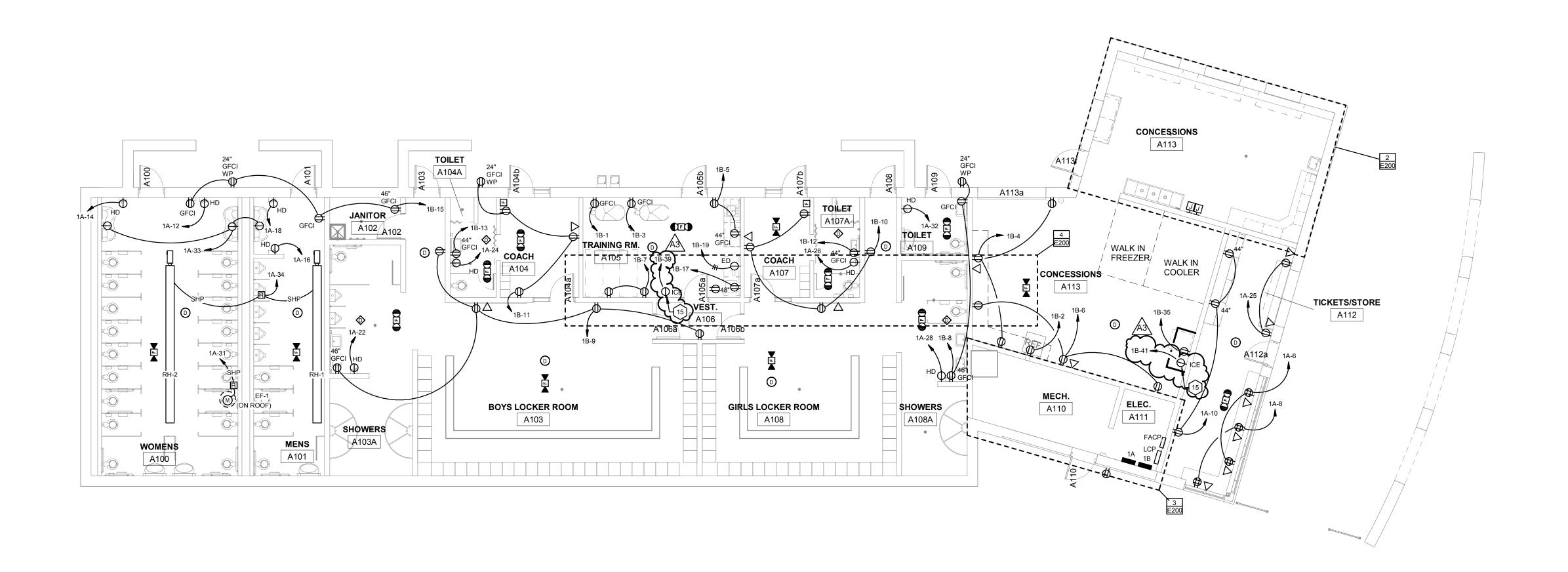
ETI Project No: 2018-113 T PKG

HSR Project Number: **NOVEMBER 2018** 

A3 ADDENDUM #3

Graphic Scale: **VARIES** 

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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.

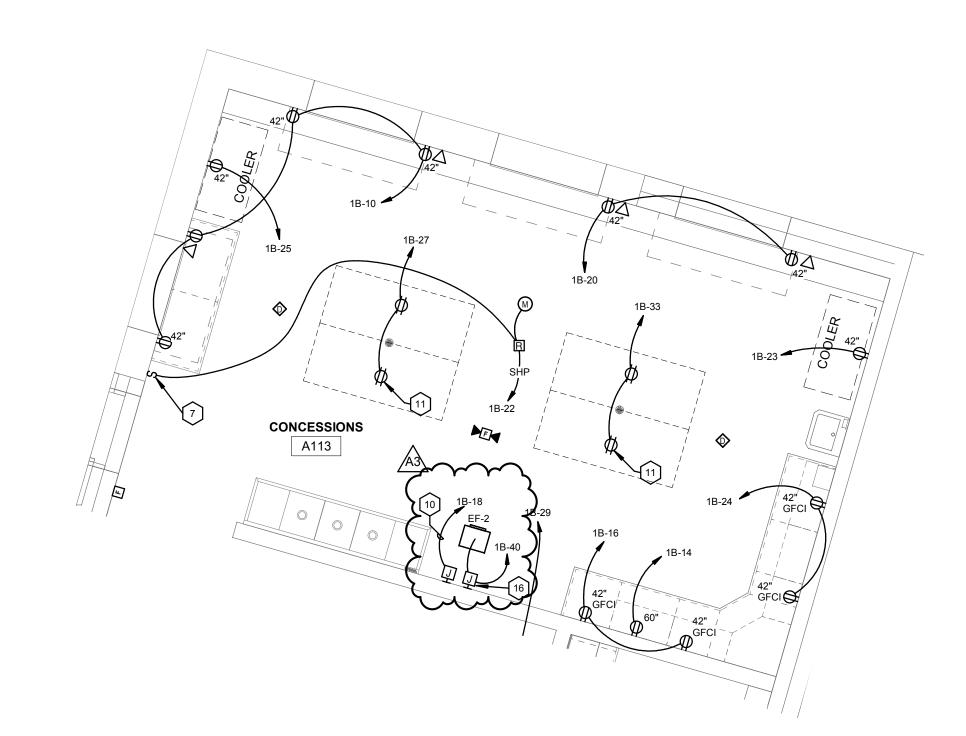
C COORDINATE LOCATION OF WIRING DEVICES, TELECOM OUTLETS, FIRE ALARM DEVICES, ETC. WITH MILLWORK, TILE LAYOUT, AND OTHER WALL FINISHES PRIOR TO ROUGH-IN.

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.

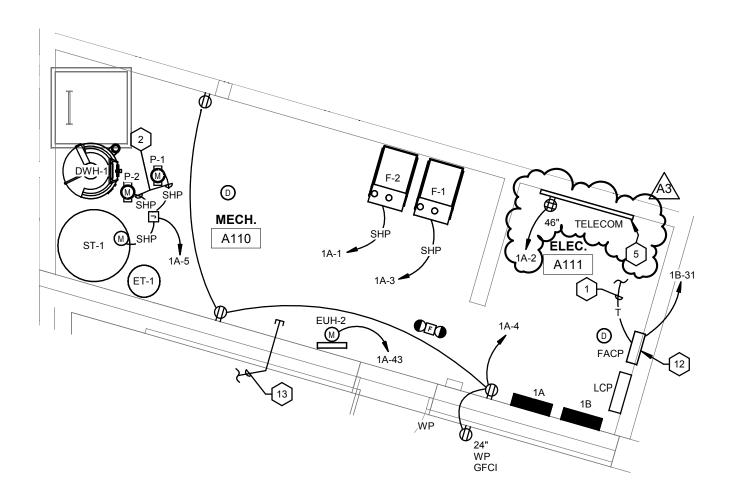
#### # SHEET NOTES

- 1 PROVIDE TWO (2) CAT 5 CABLES IN 3/4" CONDUIT TO DEMARK FOR EMERGENCY FORCES NOTIFICATION.
- 2 MOUNT SWITCH AT 46" 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.
- 7 LABEL "EXHAUST FAN".
- 10 USE #10 AWG THROUGHOUT CIRCUIT.
- 11 PROVIDE PENDANT MOUNTED OUTLET, REFERENCE DETAIL,
- 12 FIRE ALARM PANEL. PROVIDE EXTENTION 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.
- DUCT OF ROOFTOP UNIT (RTU). PROVIDE SHUTDOWN RELAY AND CONNECT TO FIRE ALARM SYSTEM AND CONTROL CIRCUIT OF ROOFTOP UNIT.
- 15 FIELD COORDINATE NEMA CONFIGURATION WITH EQUIPMENT
- 16 JUNCTION BOX FOR EF-2 SPEED CONTROLLER

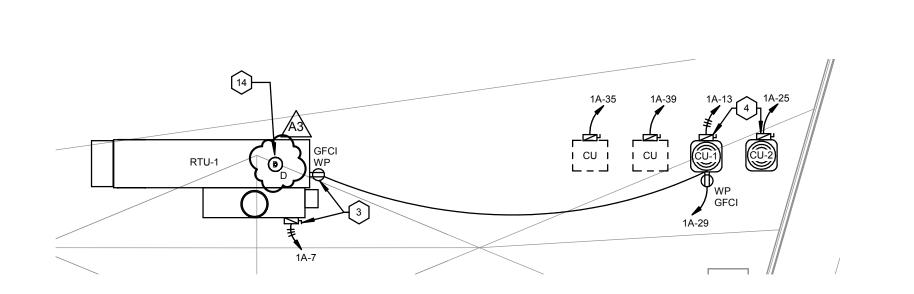








MECH A110 ENLARGED POWER PLAN



ELECTRICAL ROOF PLAN



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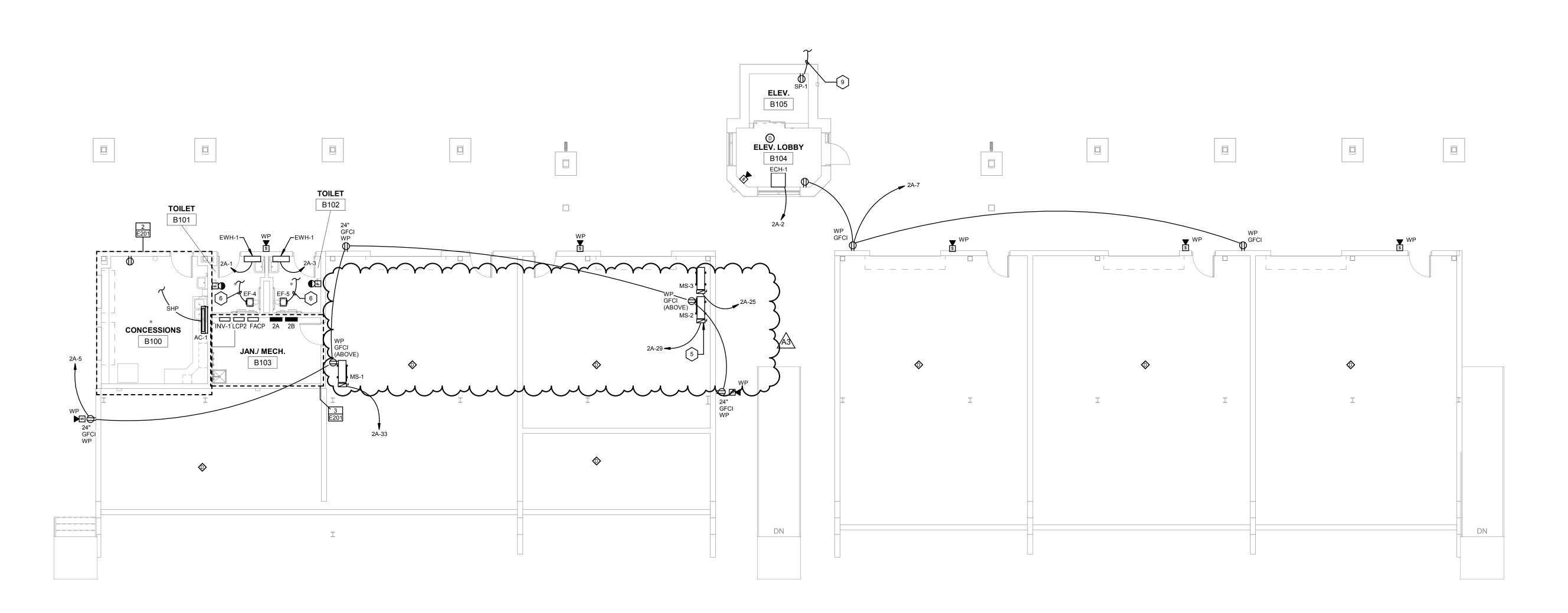
825 M Street, Suite 200 | Lincoln, NE 68508 P 402-476-1273 | F 402-476-1274 1111 N. 13th St., Suite 216 | Omaha, NE 68102 P 402-330-2772 | F 402-330-2630 ETI Project No: 2018-113

Revisions:

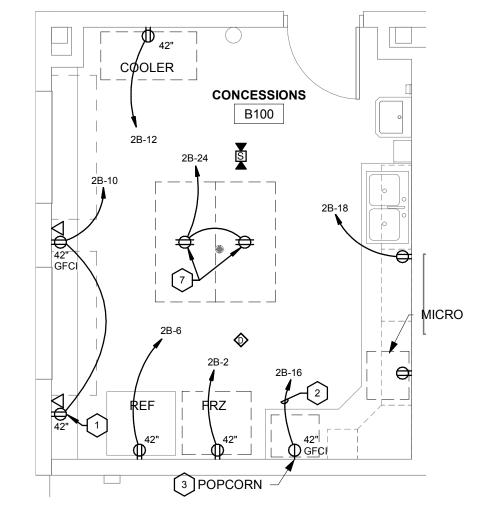
No. Description

A3 ADDENDUM #3

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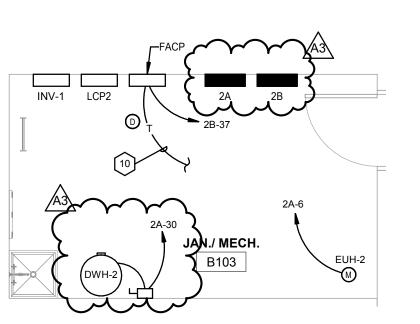


## FIRST FLOOR STADIUM POWER PLAN 1/8" = 1'-0"



CONCESSIONS B100 ENLARGED POWER PLAN

1/4" = 1'-0"



ENLARGED JANITOR B103 PLAN



#### **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

- OUTLET PROTECTED BY UPSTREAM GFCI DEVICE. LABEL "GFCI PROTECTED".
- 2 USE #10 AWG THROUGHOUT CIRCUIT.
- 3 POPCORN MACHINE OUTLET, COORDINATE NEMA CONFIGURATION.
- 5 PROVIDE UNISTRUT SUPPORTS TO INDEPENDENTLY SUPPORT DISCONNECT SWITCHES AND RECEPTACLES. (TYPICAL ALL CONDENSING UNITS & HEAT PUMPS).
- 6 CONNECT TO LIGHTING CIRCUIT SERVING THIS AREA. EXHAUST FAN SHALL ENERGIZE WITH LIGHTING.
- 7 PROVIDE PENDANT MOUNTED OUTLET. REFERENCE DETAIL, SHEET E400.
- 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
- 10 PROVIDE TWO (2) CAT S CABLES IN 3/4" CONDUIT TO DEMO IN PRESS BOX.
- 11 PROVIDE A 1" CONDUIT TO FOOTBALL FIELD FOR IRRIGATION CONTROL WIRING. FIELD COORDINATE.





ARCHITECTURE

INTERIOR DESIGN

HSR ASSOCIATES INC.

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ETI Project No: 2018-113

**NOVEMBER 2018** 

Revisions:

No. Description

A3 ADDENDUM #3

Last Update: 11/20/2018 9:09:16 AM

	LI	GH <sup>-</sup>	T FIXTU	RE SCHEDULI	E			
TYPE	DESCRIPTION	NO.	LAMP TYPE	MOUNTING	MANUFACTURER	CATALOG NUMBER	ACCEPTABLE MANUFACTURERS	NOTES
1	4FT LED LINEAR LIGHT, 5000 LUMENS WHITE FINISH	-	LED 5000LMS, 35W 3500K	SURFACE	LITHONIA	CLXLED-L48-5000LM-SEF-RDL-MVOLT-35 K-80CRI-WH	METALUX, COLUMBIA	-
1E	4FT. LED LINEAR LIGHT, 5000LUMENS, WHITE FINISH AND EMERGENCY BATTERY PACK	-	LED 5000LMS, 35W 3500K	SURFACE	LITHONIA	CLXLED-L48-5000LM-SEF-RDL-MVOLT-35 K-80CRI-PS1050-WH	METALUX, COLUMBIA	-
2	4FT LED STRIP LIGHT, 3000 LUMENS, WHITE FINISH	-	LED 3000LMS, 30W 3500K	CHAIN OR SURFACE	LITHONIA	ZL1D-L48-3000LM-FST-MVOLT- 35K-80CRI-WH	METALUX, COLUMBIA	-
2E	4FT LED STRIP LIGHT, 3000 LUMENS, WHITE FINISH AND EMERGENCY BATTERY PACK	-	LED 3000LMS, 30W 3500K	CHAIN OR SURFACE	LITHONIA	ZL1D-L48-3000LM-FST-MVOLT- 35K-80CRI-E7W-WH	METALUX, COLUMBIA	-
3	4FT LED STRIP LIGHT, 5000 LUMENS, WHITE FINISH	-	LED 5000LMS, 41W 3500K	CHAIN OR SURFACE	LITHONIA	ZL1D-L48-5000LM-FST-MVOLT- 35K-80CRI-WH	METALUX, COLUMBIA	-
3E	4FT LED STRIP LIGHT, 5000 LUMENS, WHITE FINISH AND EMERGENCY BATTERY PACK	-	LED 5000LMS, 41W 3500K	CHAIN OR SURFACE	LITHONIA	ZL1D-L48-5000LM-FST-MVOLT- 35K-80CRI-E7W-WH	METALUX, COLUMBIA	-
4	6 INCH ROUND LED SURFACE DOWNLIGHT, 780 LUMENS, WHITE FINISH, WET LOCATION RATED	-	LED 780LMS, 12W 3500K	SURFACE	HALO	SLD606-8-35-WH	-	-
5	52" DIA. CEILING FAN, WHITE FINISH	-	-	SURFACE	PROGRESS LIGHTING	P2530-30W	-	-
6	2X4 LED FLAT PANEL TROFFER, 4000 LUMENS	-	LED 4000LMS, 40W 3500K	RECESSED	LITHONIA	EPANL2X4-4000LM-80CRI- MIN10-ZT-MVOLT	-	-
7	4FT LED GASKETED INDUSTRIAL, 3000 LUMEN, WET LOCATION RATED	-	LED 3000LMS, 23W 3500K	WALL MOUNTED	LITHONIA	FEM-L48-3000LM-LPPFL-MD-MVOLT-35K- 80CRI	-	-
8	6 INCH ROUND LED DOWNLIGHT, 2500 LUMEN	-	LED 2500LMS, 27W 3500K	RECESSED	LITHONIA	LDN6-35/25-L06-AR-LD-MVOLT	-	-
8E	6 INCH ROUND LED DOWNLIGHT, 2500 LUMEN, COLD WEATHER BATTERY	-	LED 2500LMS, 27W 3500K	RECESSED	LITHONIA	LDN6-35/25-L06-AR-LD-MVOLT-EL	-	-
9	SURFACE MOUNTED CYLINDER, 8 INCH DIAMETER, WIDE FLOOD DISTIBUTION, BLACK FINISH	-	LED 1200LMS, 15W 3000K	SURFACE	FC LIGHTING	FCC813-120V-LED-3K-1200-BK-WFL	-	-
10	2X2 LED FLAT PANEL TROFFER, 3400 LUMENS	-	LED 3400LMS, 29W 3500K	RECESSED	LITHONIA	EPANL-2X2-2000LM-80CRI-35K-MIN10-ZT- MVOLT	-	-
10E	2X2 LED FLAT PANEL TROFFER, 3400 LUMENS, EMERGENCY BATTERY PACK	-	LED 3400LMS, 29W 3500K	RECESSED	LITHONIA	EPANL-2X2-2000LM-80CRI-35K-MIN10-ZT- 120-E10WCP	-	-
11	EXTERIOR WALL CYLINDER, SPOT UP / FLOOD DOWN, 1200 LUMENS EACH DIRECTION, 8 INCH DIAMETER, BLACK FINISH	-	LED 2400LMS, 30W 3000K	WALL MOUNTED	FC LIGHTING	FCC820-120V-LED-1200-BK-USP-DFL	-	-
12A	EXTERIOR WALL PACK WIDE DISTRIBUTION, 1500 LUMENS	-	LED 1500LMS, 11W 3000K	SURFACE	LITHONIA	WST-LED-P1-30K-VW-MVOLT-DBLXD	-	-
12AE	EXTERIOR WALL PACK WIDE DISTRIBUTION, 1500 LUMENS	-	LED 1500LMS, 11W 3000K	SURFACE	LITHONIA	WST-LED-P1-30K-VW-MVOLT-EW7C-DBL XD	-	-
12B	EXTERIOR WALL PACK FORWARD THROW DISTRIBUTION	-	LED 1500LMS, 11W 3000K	SURFACE	LITHONIA	WST-LED-P1-30K-VF-MVOLT-DBLXD	-	-
12BE	EXTERIOR WALL PACK FORWARD THROW DISTRIBUTION, COLD WEATHER EMERGENCY BATTERY PACK	-	LED 1500LMS, 11W 3000K	SURFACE	LITHONIA	WST-LED-P1-30K-VF-120-EW7C-DBLXD	-	-
13	4FT LED LINEAR, 4000 LUMEN, WET LOCATION RATED, FROSTED POLYCARBONATE LOW PROFILE LENS	-	LED 4000LMS, 31W 3500K	SURFACE	LITHONIA	FEM-L48-4000LM-LPPFL-MD-MVOLT-35K- 80CRI	-	-
14	4FT LED LINEAR LIGHT, 3000 LUMENS, WHITE FINISH	-	LED 3000LMS, 21W 3500K	WALL MOUNTED	LITHONIA	CLXLED-L48-3000LM-SEF-RDL-MVOLT-35 K-80CRI-WH	-	-
15	8FT LED LINEAR LIGHT, EXTRUDED ALUMINUM HOUSING, FLUSH FROSTED LENS, WET LOCATION, 3INCH WIDTH	<u> </u>	LED 4000LMS, 48W 3000K	SURFACE	AXIS	WBSLED-500LWFT-80-30-S-8-BLK-120-D-1 -B1	-	-
15E	8FT LED LINEAR LIGHT, EXTRUDED ALUMINUM HOUSING, FLUSH FROSTED LENS, WET LOCATION, 3INCH WIDTH, EMERGENCY BATTERY PACK		LED 4000LMS, 48W 3000K	SURFACE	AXIS	WBSLED-500LM/FT-80-30-S-8-BLK-120-D-1 -B1	-	-
EX1	DIE-CAST DOUBLE STENCIL STYLE FACE EXIT LIGHT WITH RED LETTERING, UNIVERSAL MOUNTING AND ARROWS		LED	TOP OR END	LITHONIA	LES-2-R-120/277	SURE-LITE, CHLORIDE	-
EX2	POLYCARBONATE UNIVERSAL SINGLE STENCIL STYLE FACE EXIT LIGHT WITH RED LETTERING, UNIVERSAL MOUNTING AND ARROWS, WET LOCATION RATED	-	LED	TOP, END, OR BACK	LITHONIA	WLTE-W-1-R-EL	SURE-LITE, CHLORIDE	-
NV-1	300VA INVERTER WITH LEAD CALCIUM BATTERY, WALL MOUNTING BRACKET	-	-	WALL	ISO-LITES	E3-300-LC-V1-WB		
OTES:	HANG 2 FT. FROM STRUCTURE, OR AS HIGH AS POSSIBLE BELOW DUCT WORK AND PIPING.							

	EXTERI	OR	LIGHT F	IXTURE SCHI	EDULE			
TYPE	DESCRIPTION	NO.	LAMP TYPE	MOUNTING	MANUFACTURER	CATALOG NUMBER	ACCEPTABLE MANUFACTURERS	NOTES
Α	LED IN-GROUND FLAG LIGHT, MEDIUM FLOOD OPTIC, FLOW-THRU HOUSING, BLACK FINISH	-	LED 2800LMS, 29W 3000K	IN-GROUND SEE DETAIL	HYDREL	M9710C-SS-LED-P1-30K-MVOLT-MFL-FLC-BL	-	-
В	LED AREA LIGHT, TYPE II DISTRIBUTION, INTEGRAL PHOTOCELL, BLACK FINISH	-	LED 17650LMS, 140W 3000K	POLE	LITHONIA	DSX2-LED-P1-30K-T2M-MVOLT-SPA-PIRH- DBLXD	-	-
С	LED AREA LIGHT, TYPE IV DISTRIBUTION, INTEGRAL PHOTOCELL, BLACK FINISH	-	LED 17650LMS, 140W 3000K	POLE	LITHONIA	DSX2-LED-P1-30K-T4M-MVOLT-SPA-PIRH- DBLXD	-	-
P1	30'-0" SQUARE STRAIGHT STEEL POLE, SINGLE HEAD MOUNTING, FINISH, VIBRATION DAMPNERS, 12" CONCRETE BASE	-	-	SEE DETAIL	LITHONIA	SSS-30-DBLXD	-	-

	LIGHTING CONTROLLER SCHEDULE								
DESCRIPTION	MANUFACTURER	MOUNTING	REMARKS						
OS-1	WATTSTOPPER	WALL	PIR WALL SENSOR						
OS-2	WATTSTOPPER	CEILING	DUAL TECHNOLOGY CEILING SENSOR						
OS-3	WATTSTOPPER	WALL	DUAL TECHNOLOGY WALL WITH DIMMING						

<sup>1.</sup> ALL SENSORS SHALL BE FACTORY SET, UNLESS OTHERWISE DIRECTED BY OWNER. 2. PROVIDE ALL POWER PACKS AND LOW-VOLTAGE CABLING AS REQUIRED FOR A COMPLETE SYSTEM.

		LIGHTIN	G CON	ITROL PA	NEL SCHEDULE
		PANEL "LCP1":	SURFACE MO	OUNTED, 4 RELAY	ASTRONOMICAL TIME CLOCK
RELAY NO.	CIRCUIT NO.	CONTROLLED BY	LOAD (WATTS)	VOLTS/PHASE	DESCRIPTION
1	1B-26	TC ON/OFF	900	120/1	GATEWAY BUILDING 1ST FLOOR EXTERIOR
2	-	-	-	120/1	SPARE
3	-	-	-	120/1	SPARE
4	-	-	-	120/1	SPARE
NOTES 1. 2. 3.	PROVIDI LIGHTS OC=OCC		WO CIRCUIT ONTROL STA	S THRU EMERGEN ATION, TC=TIME C	ED. ICY LIGHTING CONTROL UNIT. LOCK, SM=MOMENTARY SWITCH

		LIGHTIN	G CON	ITROL PA	NEL SCHEDULE
		PANEL "LCP2": \$	SURFACE M	OUNTED, 4 RELAY	, ASTRONOMICAL TIME CLOCK
RELAY NO.	CIRCUIT NO.	CONTROLLED BY	LOAD (WATTS)	VOLTS/PHASE	DESCRIPTION
1	2B-25	TC ON/OFF	240	120/1	STADIUM 1ST FLOOR EXTERIOR EMERGENCY LIGHTING
2	2B-31	TC ON/OFF	650	120/1	STADIUM 1ST FLOOR EXTERIOR EMERGENCY LIGHTING
3	-	-	-	120/1	SPARE
4	-	-	-	120/1	SPARE
NOTES 1. 2. 3.	PROVIDI LIGHTS OC=OCC		WO CIRCUIT ONTROL ST	S THRU EMERGEN ATION, TC=TIME C	RED. NCY LIGHTING CONTROL UNIT. PLOCK, SM=MOMENTARY SWITCH

EQUIP.	DESCRIPTION	KW	HP	VOLTS	PHASE	WIRING	DISCONNECT SWITCH	MOTOR STARTER	CONNECTION	REMARKS
AC-1	INDOOR AC UNIT	-	-	208	1Ø	2 #10 & #10 GND 3/4" CONDUIT	SHP	-	DIRECT	CONNECT THRU ASSOCIATED OUTDOOR UNIT
AC-2	INDOOR AC UNIT	-	-	208	1Ø	2 #12 & #12 GND 3/4" CONDUIT	SHP	-	DIRECT	CONNECT THRU ASSOCIATED OUTDOOR UNIT
AC-3	INDOOR AC UNIT	-	-	208	1Ø	2 #12 & #12 GND 3/4" CONDUIT	SHP	-	DIRECT	CONNECT THRU ASSOCIATED OUTDOOR UNIT
CU-1,2	CONDENSING UNIT	-	-	208	3Ø	3 #10 & #10 GND 3/4" CONDUIT	30A FUSED NEMA 3R	-	DIRECT	-
CU-3	WALK-IN COOLER CONDENSING UNIT	-	-	208	1Ø	2 #12 & #12 GND 3/4" CONDUIT	30A FUSED NEMA 3R	-	DIRECT	-
CU-4	WALK-IN FREEZER CONDENSING UNIT	-	-	208	1Ø	2 #8 & #10 GND 3/4" CONDUIT	60A FUSED NEMA 3R	-	DIRECT	-
DWH-1	DOMESTIC WATER HEATER	-	-	120	1Ø	2 #12 & #12 GND 3/4" CONDUIT	SHP	-	DIRECT	-
DWH-2	DOMESTIC WATER HEATER	-	6	208	1Ø	2 #8 & #10 GND 3/4" CONDUIT	60A NON-FUSED	-	DIRECT	-
DWH-3	DOMESTIC WATER HEATER	-	4 1/2	208	1Ø	2 #10 & #10 GND 3/4" CONDUIT	30A NON-FUSED	-	DIRECT	-
ECH-1	ELECTRIC CEILING HEATER	3	-	208	1Ø	2 #12 & #12 GND 3/4" CONDUIT	INTEGRAL	INTEGRAL THERMOSTAT	DIRECT	-
ED	ELECTRIC DRYER	5	-	208	1Ø	2 #12 & #12 GND 3/4" CONDUIT	PLUG	-	CORD & PLUG	PROVIDE NEMA CORD, PLUG AND RECEPTACLE.
EF-1	EXHAUST FAN	-	F	120	1Ø	2 #12 & #12 GND 3/4" CONDUIT	SHP	RELAY	DIRECT	-
EF-2	EXHAUST FAN	-	F	120	1Ø	2 #12 & #12 GND 3/4" CONDUIT	SHP	RELAY	DIRECT	-
EF-3	EXHAUST FAN	-	1	120	1Ø	2 #12 & #12 GND 3/4" CONDUIT	SHP	RELAY	DIRECT	-
EF-4,5	EXHAUST FAN	-	F	120	1Ø	2 #12 & #12 GND 3/4" CONDUIT	SWITCH	RELAY	DIRECT	MANUAL CONTROL SHALL ONLY TURN FAN ON WHEN RELAY IS IN OCCUPIED MODE.
ELEV	ELEVATOR	-	20	208	3Ø	4-#3 #3 GND 1.25" CONDUIT	100A FUSED	-	DIRECT	PROVIDE DISCONNECT WITH DRY CONTACTS
EUH-1	ELECTRIC UNIT HEATER	5	-	208	1Ø	3 #12 & #12 GND 3/4" CONDUIT	INTEGRAL	LV RELAY	DIRECT	PROVIDE QMARK #MUH0581-MCMB10-MPD525-MHRT
EUH-2	ELECTRIC UNIT HEATER	3 ~~~	~~~	208	1Ø	2 #12 & #12 GND 3/4"	INTEGRAL	LV RELAY	DIRECT	PROVIDE QMARK #MUH0381-MCMB10-MPD525-MHRT
EWH-1	ELECTRIC WALL HEATER	1.5	-	120	1Ø	2 #12 & #12 GND 3/4" CONDUIT	INTEGRAL	INTEGRAL THERMOSTAT	DIRECT	PROVIDE QMARK #AWH3150-S2, OR EQUAL
F-1.2	FURNACE			120	1Ø	2 #12 & #12 GND 3/4" CONDUIT	SHP		DIRECT	
HD	HAND DRYER	1.5	-	120	1Ø	2 #12 & #12 GND 3/4" CONDUIT	BREAKER	-	DIRECT	PROVIDE EXCEL #TA-SB-120
HP-2.3	HEAT PUMP	-	-	208	1Ø	3 #8 & #10 GND 3/4" CONDUIT	60A FUSED NEMA 3R	-	DIRECT	-
MS-1	MINI SPLIT HEAT PUMP	-	-	208	1Ø	2 #10 & #10 GND 3/4" CONDUIT	30A FUSED NEMA 3R	-	DIRECT	-
MS-2	MINI SPLIT HEAT PUMP	-	-	208	1Ø	2 #10 & #10 GND 3/4" CONDUIT	30A FUSED NEMA 3R	-	DIRECT	-
MS-3	MINI SPLIT HEAT PUMP	-	-	208	1Ø	2 #8 & #10 GND 3/4" CONDUIT	60A FUSED NEMA 3R	-	DIRECT	-
P-1,2	PUMP	-	F	120	1Ø	2 #12 & #12 GND 3/4" CONDUIT	SHP	RELAY	DIRECT	-
RH-1,2	RADIANT HEATER	-	F	120	1Ø	2 #12 & #12 GND 3/4" CONDUIT	SHP	-	DIRECT	-
RTU-1	ROOFTOP UNIT	-	-	208	3Ø	3 #4 & #8 GND 1 1/4" CONDUIT	INTEGRAL	-	DIRECT	-
	SUMP PUMP	_	1/2	120	1Ø	2 #12 & #12 GND 3/4"	PLUG	_	CORD & PLUG	PROVIDE NEMA CORD, PLUG AND RECEPTACLE.

PANEL 1A		VOLT		PHASE					KAIC RI	ИS	400 A	MAIN BREAKER		
70122 171		120 /		3Ø	4 WI	RE, SOLI	D NEU		10110111	•10	10071	SURFACE MOUNTED		
	LO		BREA	KER		Ī		BRE	AKER	LC	DAD			
LOAD DESCRIPTION	VA	TYPE	POLES		NO.	PHASE	NO.	AMPS	POLES	TYPE	VA	LOAD DESCRIPTION		
F-1	1,000	М	1	15	1	Α	2	20	1	R	800	TELECOM OUTLET		
F-2	1,000	М	1	15	3	В	4	20	1	R	800	A110 RECEPT		
DWH-1/CIRC PUMP	500	М	1	20	5	С	6	20	1	R	600	A117 RECEPT		
RTU-1	6,100	М	3	80	7	Α	8	20	1	R	800	A117 RECEPT		
-	6,100	М	-	-	9	В	10	20	1	R	1,000	A112 RECEPT		
-	6,100	М	-	-	11	С	12	20	1	Х	1,200	HAND DRYER (NOTE 1)		
CU-1	1,800	М	3	30	13	Α	14	20	1	Х	1,200	HAND DRYER (NOTE 1)		
-	1,800	М	-	-	15	В	16	20	1	Х	1,200	HAND DRYER (NOTE 1)		
-	1,800	M	-	-	17	С	18	20	1	Х	1,200	HAND DRYER (NOTE 1)		
CU-2	1,800	М	3	30	19	Α	20	20	1	Х	1,200	HAND DRYER (NOTE 1)		
-	1,800	М	-	-	21	В	22	20	1	Х	1,200	HAND DRYER (NOTE 1)		
-	1,800	M	-	-	23	С	24	20	1	Х	1,200	HAND DRYER (NOTE 1)		
RECEPT	800	R	1	20	25	Α	26	20	1	Х	1,200	HAND DRYER (NOTE 1)		
SPARE	1,000	S	1	20	27	В	28	20	1	Х	1,200	HAND DRYER (NOTE 1)		
ROOF RECEPT	400	R	1	20	29	С	30	20	1	S	1,000	SPARE		
EF-1	500	М	1	15	31	Α	32	20	1	Х	1,200	HAND DRYER (NOTE 1)		
LAVE (NOTE 3)	500	Х	1	20	33	В	34	20	1	М	1,000	RH-1,2		
CU-3	1,560	Х	2	20	35	С	36	20	1	S	1,000	SPARE		
-	1,560	X	-	-	37	A	38	60	3	-	-	SPD		
CU-4	3,015	X	2	35	39	В	40	-	-	-	-	-		
-	3,015	X	-	-	41	С	42	-	-	-	-	-		
EUH-2	1,500	X	2	20	43	A	44	150	3	Р	9,745	PANEL 1B (NOTE 2)		
-	1,500	Х	-	-	45	В	46	-	-	Р	9,745	-		
	1,,,,,,,,		1	20	47	C	48	_	-	P	9,745	_		
SPACE ONLY	<u> </u>	_	1	20	49	A	50	20	1	-	-	SPACE ONLY		
SPACE ONLY	<u> </u>	_	1	20	51	В	52	20	1	_		SPACE ONLY		
SPACE ONLY	<del></del>	_	1	20	53	C	54	20	1	_		SPACE ONLY		
0.7.02 0.121							•					0.7.02 0.12.		
LOAD INFO	MATIO	NI.		NOTE	=Q·									
LOAD IIVI C	TRIVIATION	KVA	AMPS	NOTE		PPOV/IF	)= \//I	TH L OCK	COEE DE	MCE				
TOTAL CONNECTED LOA	264	1. PROVIDE WITH LOCK-OFF DEVICE.     2. PROVIDE SUB FEED BREAKER												
EST. MAX DEMAND		95 79	220	3. PROVIDE GODT EED BREAKER.										
			-	7 A A I I	_,	001								
			- 1	AINI	⊢1				•					
PANEL 1B (SECTION 2)						SCH	ED	ULE						
/ U 1 L _ /		VOLT		PHASE		SCH	ED		KAIC RI	ИS	225 A	MAIN LUGS		
, , ,		VOLT. 120 /	AGE	PHASE 3Ø		SCH RE, SOLI		22		MS	225 A	MAIN LUGS SURFACE MOUNTED		
	LO	120 /	AGE 208V	3Ø	4 WI	RE, SOLI	D NEL	22 JTRAL	KAIC RI		225 A	SURFACE MOUNTED		
LOAD DESCRIPTION		120 / AD	AGE 208V BREA	3Ø AKER	4 WI		D NEL	22 JTRAL BREA	KAIC RI	LC	OAD			
LOAD DESCRIPTION	VA	120 / AD TYPE	AGE 208V BREA POLES	3Ø AKER AMPS	4 WII	RE, SOLI PHASE	D NEU NO.	22 JTRAL BREA AMPS	KAIC RM AKER POLES	L( TYPE	DAD VA	SURFACE MOUNTED LOAD DESCRIPTION		
LOAD DESCRIPTION WHIRLPOOL	VA 1,000	120 / AD TYPE R	AGE 208V BREA POLES 1	3Ø AKER AMPS 20	4 WII NO.	RE, SOLI PHASE A	D NEU NO. 2	22 JTRAL BREA AMPS 20	KAIC RM AKER POLES 1	LC TYPE R	VA 1,000	SURFACE MOUNTED  LOAD DESCRIPTION  REFRIDGERATOR		
LOAD DESCRIPTION WHIRLPOOL WHIRLPOOL	VA 1,000 1,000	120 / AD TYPE R	208V BREA POLES 1	3Ø AKER AMPS 20 20	4 WII	PHASE A B	NO.	22 JTRAL BRE/ AMPS 20 20	KAIC RMAKER POLES 1 1	LO TYPE R R	VA 1,000 800	SURFACE MOUNTED  LOAD DESCRIPTION  REFRIDGERATOR  RECEPTACLE		
LOAD DESCRIPTION WHIRLPOOL WHIRLPOOL A105 RECEPT	VA 1,000 1,000 400	120 / AD TYPE R R	AGE 208V BREA POLES 1 1 1	3Ø AKER AMPS 20 20 20	4 WII	PHASE A B C	NO.	22 JTRAL BREA AMPS 20 20 20	AKER POLES 1 1 1	TYPE R R R	VA 1,000 800 1,000	SURFACE MOUNTED  LOAD DESCRIPTION  REFRIDGERATOR  RECEPTACLE  RECEPTACLE		
LOAD DESCRIPTION WHIRLPOOL WHIRLPOOL A105 RECEPT A105 RECEPT	VA 1,000 1,000 400 400	120 / AD TYPE R R R R	AGE 208V BREA POLES 1 1 1	3Ø AKER AMPS 20 20 20 20	4 WIII NO. 1 3 5 7	PHASE A B C A	NO. 2 4 6 8	22 JTRAL BREA AMPS 20 20 20 20 20	AKER POLES 1 1 1 1	TYPE R R R R	VA 1,000 800 1,000 600	SURFACE MOUNTED  LOAD DESCRIPTION  REFRIDGERATOR  RECEPTACLE  RECEPTACLE  RECEPTACLE		
LOAD DESCRIPTION WHIRLPOOL WHIRLPOOL A105 RECEPT A105 RECEPT A103/A106 RECEPT	VA 1,000 1,000 400 400 800	120 / AD TYPE R R R R R	AGE 208V BREA POLES 1 1 1 1 1 1 1 1 1	3Ø AKER AMPS 20 20 20 20 20 20	4 WIII NO. 1 3 5 7	PHASE A B C A B	NO. 2 4 6 8 10	22 JTRAL BREA AMPS 20 20 20 20 20 20	AKER POLES 1 1 1 1 1	TYPE R R R R R	VA 1,000 800 1,000 600 800	SURFACE MOUNTED  LOAD DESCRIPTION  REFRIDGERATOR  RECEPTACLE  RECEPTACLE  RECEPTACLE  RECEPT (NOTE 1)		
LOAD DESCRIPTION WHIRLPOOL WHIRLPOOL A105 RECEPT A105 RECEPT A103/A106 RECEPT A104 RECEPT	VA 1,000 1,000 400 400 800 800	120 / AD TYPE R R R R R	AGE 208V BREA POLES 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3Ø AKER AMPS 20 20 20 20 20 20 20	4 WIII NO. 1 3 5 7 9 11	PHASE A B C A B C	NO. 2 4 6 8 10 12	22 JTRAL BRE/ AMPS 20 20 20 20 20 20 20	AKER POLES 1 1 1 1 1 1 1	TYPE R R R R R R	DAD VA 1,000 800 1,000 600 800 500	SURFACE MOUNTED  LOAD DESCRIPTION  REFRIDGERATOR  RECEPTACLE  RECEPTACLE  RECEPTACLE  RECEPT (NOTE 1)  A107A RECEPT		
LOAD DESCRIPTION WHIRLPOOL WHIRLPOOL A105 RECEPT A105 RECEPT A103/A106 RECEPT A104 RECEPT A104 RECEPT	VA 1,000 1,000 400 400 800 800 500	120 / AD TYPE R R R R R R	AGE 208V BREA 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3Ø AKER AMPS 20 20 20 20 20 20 20 20	4 WIII NO. 1 3 5 7 9 11 13	PHASE  A  B  C  A  B  C  A	NO.  2 4 6 8 10 12	22 JTRAL BREA AMPS 20 20 20 20 20 20 20	AKER POLES 1 1 1 1 1 1 1	TYPE R R R R R R R	DAD VA 1,000 800 1,000 600 800 500 1,200	SURFACE MOUNTED  LOAD DESCRIPTION  REFRIDGERATOR  RECEPTACLE  RECEPTACLE  RECEPTACLE  RECEPT (NOTE 1)  A107A RECEPT  MICROWAVE		
LOAD DESCRIPTION WHIRLPOOL WHIRLPOOL A105 RECEPT A105 RECEPT A103/A106 RECEPT A104 RECEPT A104 RECEPT A104 RECEPT A100,101,102 RECEPT	VA 1,000 1,000 400 400 800 800 500 800	120 / AD TYPE R R R R R R	AGE 208V BREA POLES 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3Ø AKER AMPS 20 20 20 20 20 20 20 20 20	4 WIII NO. 1 3 5 7 9 11 13 15	PHASE  A  B  C  A  B  C  A  B  C  A  B  C  A  B  C  A  B	NO. 2 4 6 8 10 12 14 16	22 JTRAL BRE/ AMPS 20 20 20 20 20 20 20 20	AKER POLES 1 1 1 1 1 1 1 1 1	TYPE R R R R R R R R	DAD VA 1,000 800 1,000 600 800 500 1,200 500	SURFACE MOUNTED  LOAD DESCRIPTION  REFRIDGERATOR  RECEPTACLE  RECEPTACLE  RECEPTACLE  RECEPT (NOTE 1)  A107A RECEPT  MICROWAVE  A115 RECEPT		
LOAD DESCRIPTION WHIRLPOOL WHIRLPOOL A105 RECEPT A105 RECEPT A103/A106 RECEPT A104 RECEPT A104 RECEPT A104 RECEPT A100,101,102 RECEPT WASHER	VA 1,000 1,000 400 400 800 800 500 800 1,200	120 / AD TYPE R R R R R R R	AGE 208V BREA POLES 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3Ø AKER AMPS 20 20 20 20 20 20 20 20 20 20	4 WIII NO. 1 3 5 7 9 11 13 15	PHASE  A B C A B C A B C A	NO.  2 4 6 8 10 12 14 16 18	22 JTRAL BRE/ AMPS 20 20 20 20 20 20 20 20 20	AKER POLES 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TYPE R R R R R R R R	DAD VA 1,000 800 1,000 600 800 500 1,200 500 1,000	SURFACE MOUNTED  LOAD DESCRIPTION  REFRIDGERATOR  RECEPTACLE  RECEPTACLE  RECEPTACLE  RECEPT (NOTE 1)  A107A RECEPT  MICROWAVE  A115 RECEPT  ICE (NOTE 1)		
LOAD DESCRIPTION WHIRLPOOL WHIRLPOOL A105 RECEPT A105 RECEPT A103/A106 RECEPT A104 RECEPT A104 RECEPT A104 RECEPT A100,101,102 RECEPT WASHER ELEC DRYER	VA 1,000 1,000 400 400 800 800 500 800 1,200 2,500	120 / AD TYPE R R R R R R R R	AGE 208V BREA POLES 1 1 1 1 1 1 1 1 1 1 1 2	3Ø AKER AMPS 20 20 20 20 20 20 20 20 20 20	4 WIII NO. 1 3 5 7 9 11 13 15 17	PHASE  A B C A B C A B C A	NO.  2 4 6 8 10 12 14 16 18 20	22 JTRAL BREJ AMPS 20 20 20 20 20 20 20 20 20 20 20	AKER POLES 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TYPE R R R R R R R R R R	DAD VA 1,000 800 1,000 600 800 500 1,200 500 1,000 600	SURFACE MOUNTED  LOAD DESCRIPTION  REFRIDGERATOR  RECEPTACLE  RECEPTACLE  RECEPTACLE  RECEPT (NOTE 1)  A107A RECEPT  MICROWAVE  A115 RECEPT  ICE (NOTE 1)  RECEPTACLE		
LOAD DESCRIPTION WHIRLPOOL WHIRLPOOL A105 RECEPT A105 RECEPT A103/A106 RECEPT A104 RECEPT A104 RECEPT A100,101,102 RECEPT WASHER ELEC DRYER	VA 1,000 1,000 400 400 800 800 500 800 1,200 2,500	120 / AD TYPE R R R R R R R R R X	AGE 208V BREA POLES 1 1 1 1 1 1 1 1 1 1 1 2 -	3Ø AKER AMPS 20 20 20 20 20 20 20 20 20	4 WIII NO. 1 3 5 7 9 11 13 15 17 19 21	PHASE  A B C A B C A B C A B C A B B C A B B C A B B C A B B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B C A B B C A B B C A B B C A B B C A B B C A B B C A B B C A B B B C A B B B C A B B B B	NO.  2 4 6 8 10 12 14 16 18 20 22	22 JTRAL BREA AMPS 20 20 20 20 20 20 20 20 20 20	AKER POLES 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TYPE R R R R R R R R R R R R R R R R R R R	DAD VA 1,000 800 1,000 600 800 500 1,200 500 1,000 600 500	SURFACE MOUNTED  LOAD DESCRIPTION  REFRIDGERATOR  RECEPTACLE  RECEPTACLE  RECEPT (NOTE 1)  A107A RECEPT  MICROWAVE  A115 RECEPT  ICE (NOTE 1)  RECEPTACLE		
LOAD DESCRIPTION  WHIRLPOOL  WHIRLPOOL  A105 RECEPT  A105 RECEPT  A103/A106 RECEPT  A104 RECEPT  A104 RECEPT  A100,101,102 RECEPT  WASHER  ELEC DRYER  - COOLER (NOTE 1)	VA 1,000 1,000 400 400 800 800 500 800 1,200 2,500 1,200	120 / AD TYPE R R R R R R R R R R R R R	AGE 208V BREA POLES 1 1 1 1 1 1 1 1 1 1 1 1 2 - 1 1 1 1 1 1	3Ø AKER AMPS 20 20 20 20 20 20 20 20 20 20 20 20 20	4 WIII NO. 1 3 5 7 9 11 13 15 17 19 21 23	PHASE  A B C A B C A B C A B C A B C C A C C A C C C C	NO.  2 4 6 8 10 12 14 16 18 20 22 24	22 JTRAL BREJ AMPS 20 20 20 20 20 20 20 20 20 20	AKER POLES 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TYPE R R R R R R R R R R R R R R R R R R	DAD VA 1,000 800 1,000 600 800 500 1,200 500 1,000 600 800 500 800	SURFACE MOUNTED  LOAD DESCRIPTION  REFRIDGERATOR  RECEPTACLE  RECEPTACLE  RECEPT (NOTE 1)  A107A RECEPT  MICROWAVE  A115 RECEPT  ICE (NOTE 1)  RECEPTACLE  EF-3  A113 RECEPT		
LOAD DESCRIPTION  WHIRLPOOL  WHIRLPOOL  A105 RECEPT  A105 RECEPT  A103/A106 RECEPT  A104 RECEPT  A100,101,102 RECEPT  WASHER  ELEC DRYER  -  COOLER (NOTE 1)  COOLER (NOTE 1)	VA 1,000 1,000 400 400 800 800 500 1,200 2,500 1,200 1,200 1,200	120 / AD TYPE R R R R R R R R R R R R R	AGE 208V BREA POLES 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3Ø AKER AMPS 20 20 20 20 20 20 20 20 20 20 20 20 20	4 WII NO. 1 3 5 7 9 11 13 15 17 19 21 23 25	PHASE  A B C A B C A B C A B C A B C A B C A B C A B C A	NO.  2 4 6 8 10 12 14 16 18 20 22 24 26	22 JTRAL BREJ AMPS 20 20 20 20 20 20 20 20 20 20	AKER POLES 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TYPE R R R R R R R R R R R R R R R R R R	DAD VA 1,000 800 1,000 600 800 500 1,200 500 1,000 600 500 800 900	SURFACE MOUNTED  LOAD DESCRIPTION  REFRIDGERATOR  RECEPTACLE  RECEPTACLE  RECEPTACLE  RECEPT (NOTE 1)  A107A RECEPT  MICROWAVE  A115 RECEPT  ICE (NOTE 1)  RECEPTACLE  EF-3  A113 RECEPT  EXT. LIGHTING		
LOAD DESCRIPTION  WHIRLPOOL  WHIRLPOOL  A105 RECEPT  A105 RECEPT  A103/A106 RECEPT  A104 RECEPT  A100,101,102 RECEPT  WASHER  ELEC DRYER  -  COOLER (NOTE 1)  PEND. REC. (NOTE 1)	VA 1,000 1,000 400 400 800 800 500 1,200 2,500 1,200 1,200 1,200 500	TYPE R R R R R R R R R R R R	AGE 208V BREA POLES 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3Ø AKER AMPS 20 20 20 20 20 20 20 20 20 20 20 20 20	4 WII  NO.  1 3 5 7 9 11 13 15 17 19 21 23 25 27	PHASE  A B C A B C A B C A B C A B C A B C A B B B C A B B B C B B B B	NO. 2 4 6 8 10 12 14 16 18 20 22 24 26 28	22 JTRAL BREJ AMPS 20 20 20 20 20 20 20 20 20 20	AKER POLES 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TYPE R R R R R R R R R R R R R L L	DAD VA 1,000 800 1,000 600 800 500 1,200 500 1,000 600 800 900 1,450	SURFACE MOUNTED  LOAD DESCRIPTION  REFRIDGERATOR  RECEPTACLE  RECEPTACLE  RECEPT (NOTE 1)  A107A RECEPT  MICROWAVE  A115 RECEPT  ICE (NOTE 1)  RECEPTACLE  EF-3  A113 RECEPT  EXT. LIGHTING  GATEWAY LIGHTING		
LOAD DESCRIPTION  WHIRLPOOL  WHIRLPOOL  A105 RECEPT  A105 RECEPT  A103/A106 RECEPT  A104 RECEPT  A100,101,102 RECEPT  WASHER  ELEC DRYER  -  COOLER (NOTE 1)  PEND. REC. (NOTE 1)  REF (NOTE 1)	VA 1,000 1,000 400 400 800 800 500 1,200 1,200 1,200 500 1,000	120 / AD TYPE R R R R R R R R R R R R R R	AGE 208V BREA POLES 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3Ø AKER AMPS 20 20 20 20 20 20 20 20 20 20 20 20 20	4 WII NO. 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29	PHASE  A B C A B C A B C A B C A B C A B C A B C C A B C C A B C C C A C C C C	NO. 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30	22 JTRAL BREJ AMPS 20 20 20 20 20 20 20 20 20 20	AKER POLES 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TYPE R R R R R R R R R R R L L L	DAD VA 1,000 800 1,000 600 800 500 1,200 500 1,000 600 800 900 1,450 900	SURFACE MOUNTED  LOAD DESCRIPTION  REFRIDGERATOR  RECEPTACLE  RECEPTACLE  RECEPT (NOTE 1)  A107A RECEPT  MICROWAVE  A115 RECEPT  ICE (NOTE 1)  RECEPTACLE  FE-3  A113 RECEPT  EXT. LIGHTING  GATEWAY LIGHTING		
LOAD DESCRIPTION  WHIRLPOOL  WHIRLPOOL  A105 RECEPT  A105 RECEPT  A103/A106 RECEPT  A104 RECEPT  A104 RECEPT  A100,101,102 RECEPT  WASHER  ELEC DRYER  -  COOLER (NOTE 1)  PEND. REC. (NOTE 1)  REF (NOTE 1)  FIRE ALARM (NOTE 2)	VA 1,000 1,000 400 400 800 800 500 1,200 2,500 1,200 1,200 500 1,000 1,000	120 / AD TYPE R R R R R R R R R R R R R R R R R R R	AGE 208V BREA POLES 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3Ø AKER AMPS 20 20 20 20 20 20 20 20 20 20 20 20 20	4 WII NO. 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31	PHASE  A B C A B C A B C A B C A B C A B C A A B C A A A A	NO.  2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32	22 JTRAL BREJ AMPS 20 20 20 20 20 20 20 20 20 20	AKER POLES 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TYPE R R R R R R R R R R L L L L	DAD VA 1,000 800 1,000 600 800 500 1,200 500 1,000 600 800 500 1,450 900 560	SURFACE MOUNTED  LOAD DESCRIPTION  REFRIDGERATOR  RECEPTACLE  RECEPTACLE  RECEPTACLE  RECEPT (NOTE 1)  A107A RECEPT  MICROWAVE  A115 RECEPT  ICE (NOTE 1)  RECEPTACLE  EF-3  A113 RECEPT  EXT. LIGHTING  GATEWAY LIGHTING  GATEWAY LIGHTING		
LOAD DESCRIPTION  WHIRLPOOL  WHIRLPOOL  A105 RECEPT  A105 RECEPT  A103/A106 RECEPT  A104 RECEPT  A100,101,102 RECEPT  WASHER  ELEC DRYER  -  COOLER (NOTE 1)  PEND. REC. (NOTE 1)  REF (NOTE 1)	VA 1,000 1,000 400 400 800 800 500 1,200 1,200 1,200 500 1,000	120 / AD TYPE R R R R R R R R R R R R R R	AGE 208V BREA POLES 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3Ø AKER AMPS 20 20 20 20 20 20 20 20 20 20 20 20 20	4 WII NO. 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29	PHASE  A B C A B C A B C A B C A B C A B C A B C C A B C C A B C C C A C C C C	NO. 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30	22 JTRAL BREJ AMPS 20 20 20 20 20 20 20 20 20 20	AKER POLES 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TYPE R R R R R R R R R R R L L L	DAD VA 1,000 800 1,000 600 800 500 1,200 500 1,000 600 800 900 1,450 900	SURFACE MOUNTED  LOAD DESCRIPTION  REFRIDGERATOR  RECEPTACLE  RECEPTACLE  RECEPT (NOTE 1)  A107A RECEPT  MICROWAVE  A115 RECEPT  ICE (NOTE 1)  RECEPTACLE  EF-3  A113 RECEPT  EXT. LIGHTING  GATEWAY LIGHTING		

LOAD INFORMATION

KVA AMPS

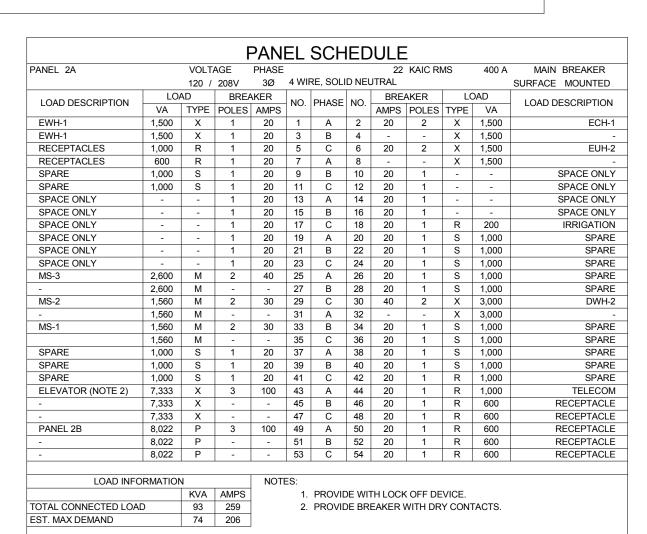
TOTAL CONNECTED LOAD 40 111

EST. MAX DEMAND 30 83

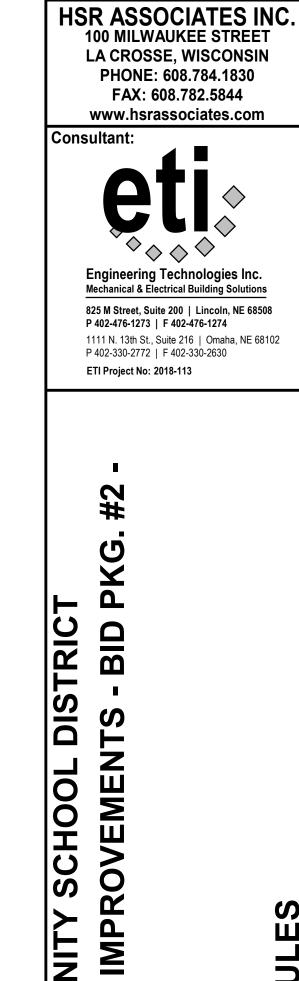
NOTES:

1. PROVIDE GFCI BREAKER.
2. PROVIDE WITH LOCK ON DEVICE.
3. PROVIDE SHUNT TRIP BREAKER

SPACE ONLY SPACE ONLY



			F	PANI	EL	SCH	IED	ULE					
PANEL 2B		AGE	PHASE				10 KAIC RMS		MS	100 A	MAIN LUGS		
		120 /	208V	3Ø	4 WII	RE, SOLI	D NE	JTRAL				SURFACE MOUNTED	
LOAD DECODIREION	LOAD		BREA	KER		PHASE		BRE	AKER	LC	)AD	LOAD DECODIDATION	
LOAD DESCRIPTION	VA	TYPE	POLES	AMPS NO.		FHASE	NO.	AMPS	POLES	TYPE	VA	LOAD DESCRIPTION	
EXT RECEPT	800	R	1	20	1	Α	2	20	1	R	1,000	FREEZER	
SPARE	1,000	S	1	20	3	В	4	20	1	R	1,500	ICE MACHINE	
SPARE	1,000	S	1	20	5	С	6	20	1	R	1,200	REFRIGERATOR	
B205 RECEPT	600	R	1	20	7	Α	8	20	1	R	600	RECEPTACLE	
B204 RECEPT	600	R	1	20	9	В	10	20	1	R	600	RECEPTACLE	
B203 RECEPT	600	R	1	20	11	С	12	20	1	R	1,000	COOLER (NOTE 1)	
B202 RECEPT	600	R	1	20	13	Α	14	20	1	R	1,500	RECEPTACLE	
B201 RECEPT	600	R	1	20	15	В	16	20	1	R	1,500	POPCORN	
B200 RECEPT	600	R	1	20	17	С	18	20	1	R	1,200	MICROWAVE	
SPARE	1,000	S	1	20	19	Α	20	20	1	R	400	RECEPTACLE	
SPARE	1,000	S	1	20	21	В	22	20	1	R	400	RECEPTACLE	
ELEV. LIGHTING	1,000	L	1	20	23	С	24	20	1	R	400	PEN. RECEP (NOTE 1)	
EM LIGHTING	240	L	1	20	25	Α	26	20	1	Х	1,000	COOLER/FREEZER	
LIGHTING	900	L	1	20	27	В	28	20	1	-	-	SPACE ONLY	
LIGHTING	750	L	1	20	29	С	30	20	1	-	-	SPACE ONLY	
EXT. LIGHTING	650	L	1	20	31	Α	32	20	1	R	600	PRESS BOX	
EF-4	200	Х	1	20	33	В	34	20	1	L	1,000	PRESS BOX LTG	
SUMP PUMP	800	Х	1	20	35	С	36	20	1	L	1,000	PRESS BOX EXT. LTG	
FACP (NOTE 2)	500	Х	1	20	37	Α	38	20	1	L	1,000	ELEV CAB	
SPACE ONLY	-	-	1	20	39	В	40	20	1	R	500	LYNX MID TRACK	
SPACE ONLY	-	-	1	20	41	С	42	20	1	R	500	LYNX FINISH LINE	
										•			
LOAD INFO	NOTES:												
	1. PROVIDE GFCI BREAKER.												
TOTAL CONNECTED LOAD 30 84					2. PROVIDE WITH LOCK-ON DEVICE.								
EST. MAX DEMAND 24 67													



ARCHITECTURE

ENGINEERING

INTERIOR DESIGN

GLENWOOD COMMUNITY
ATHLETIC COMPLEX IMPI
REBID HSR Project Number: 18005

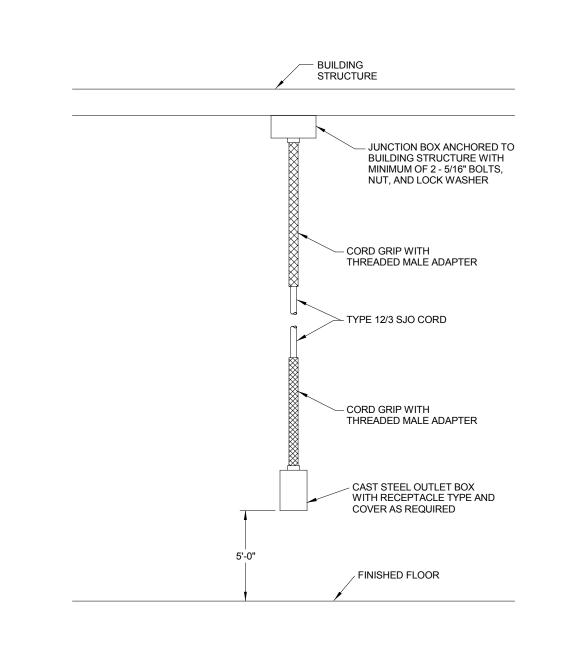
**NOVEMBER 2018** 

Revisions:

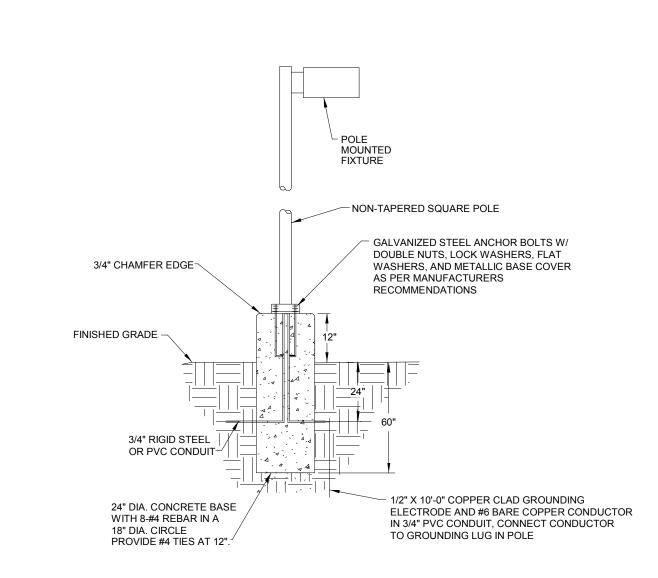
No. Description

A3 ADDENDUM #3

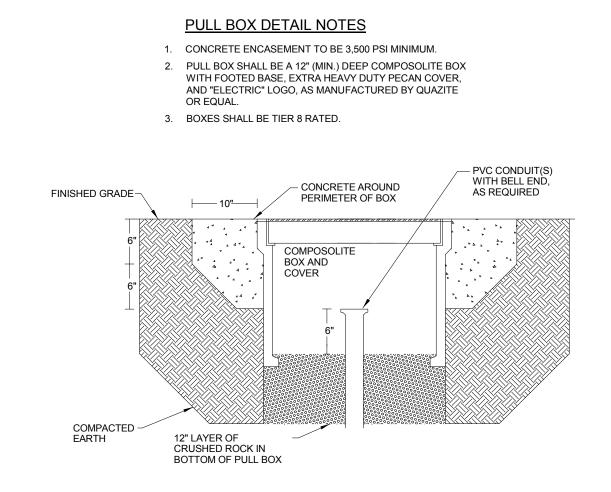
Last Update: 11/20/2018 9:09:17 AM



6 SUSPENDED RECPTACLE DETAIL
NOT TO SCALE

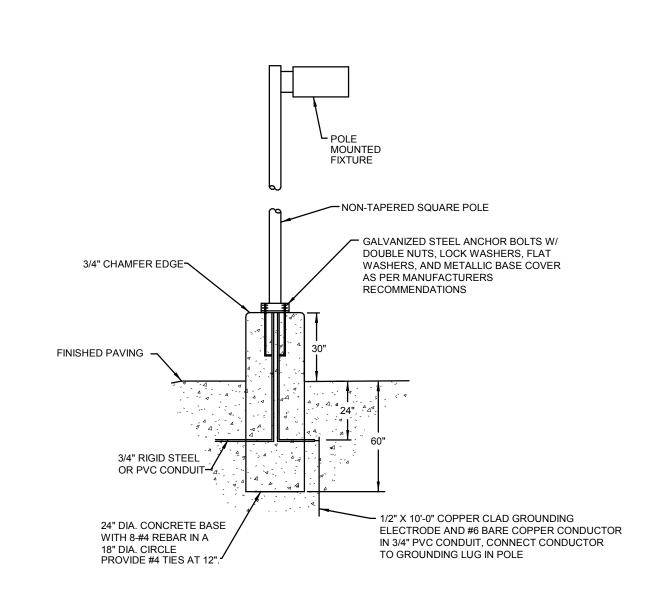


TYPICAL POLE MOUNTED FIXTURE DTL
NOT TO SCALE

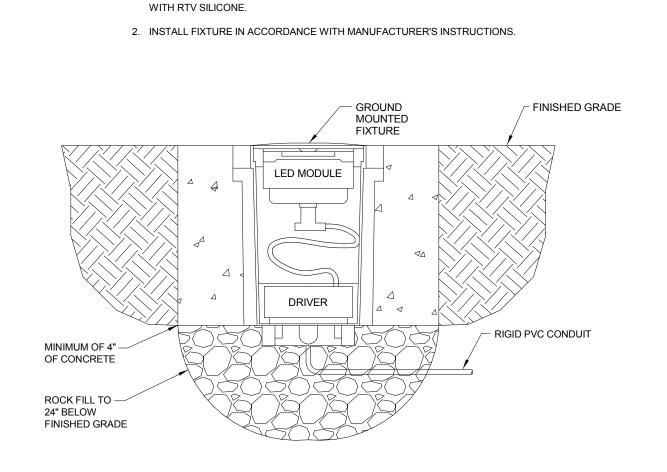


IN GRADE PULLBOX DETAIL

NOT TO SCALE



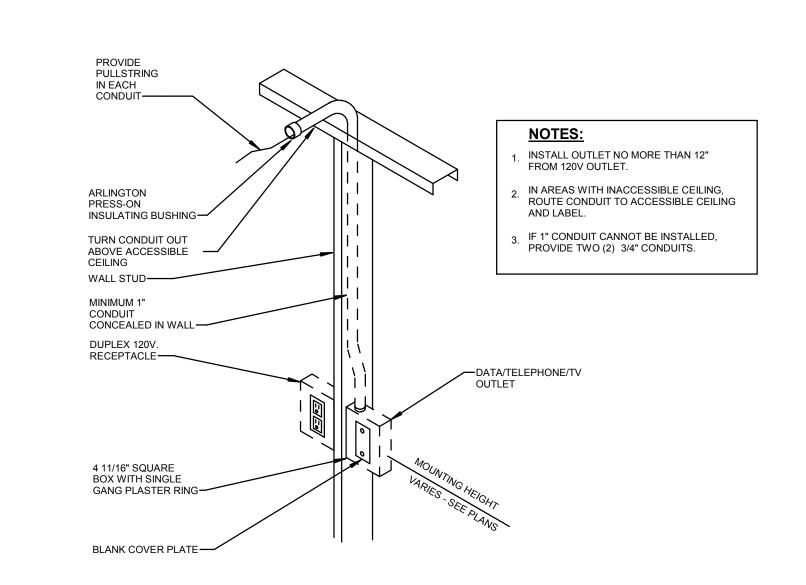
2 TYPICAL POLE MOUNTED FIXTURE DTL
NOT TO SCALE



1. SEAL CONDUIT ENTRIES AROUND WIRES FROM THE INSIDE OF THE JUNCTION BOX

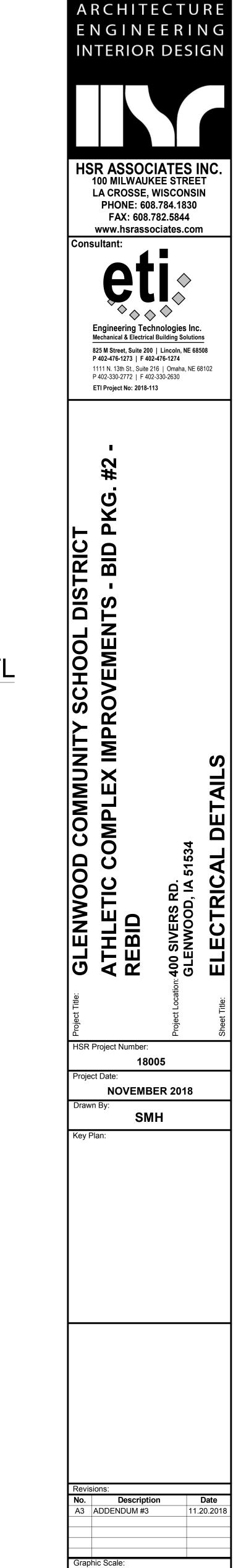
IN-GROUND FIXTURE DETAIL NOTES

3 IN GRADE LIGHT FIXTURE DETAIL
NOT TO SCALE



DATA/TELEPHONE/TV OUTLET DETAIL

NOT TO SCALE



11/20/2018 9:09:17 AM
E400F

**VARIES**