MECHANICAL GENERAL NOTES:

LEAF

PH1-BP02 FIELDHOUSE AND MULTI-PROGRAM ACTIVITY CENTERS
GARLAND HIGH SCHOOL
GARLAND INDEPENDENT SCHOOL DISTRICT
510 STADIUM DR
GARLAND, TX 75040



B2 B1

KEY PLAN

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LEAF ENGINEERS

F-18672

PROJECT NUMBER 230485 07/29/2024 90% CONSTRUCTION DOCUMENTS - GMP

1ST LEVEL AREA A MECHANICAL FLOOR PLAN

M-101A

CHECKED BY:
Mital Patel
DRAWN BY:
Cody Blocker
Plot Stamp:
7/25/2024 4:28:19 PM



B2 B1

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LEAF ENGINEERS

LEAF ENGINEERS

PROJECT NUMBER

90% CONSTRUCTION DOCUMENTS - GMF

1ST LEVEL AREA B MECHANICAL FLOOR PLAN

M-101B

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Mital Patel
DRAWN BY:
Cody Blocker
Plot Stamp:
7/25/2024 4:28:27 PM



MECHANICAL GENERAL NOTES:

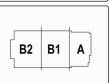
MECHANICAL KEYED NOTES:



LEAF

PH1-BP02 FIELDHOUSE AND MULTI-PROGRAM ACTIVITY
CENTERS
GARLAND HIGH SCHOOL
GARLAND INDEPENDENT SCHOOL DISTRICT
510 STADIUM DR
GARLAND. IX75040





KEY PLAN

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LEAF ENGINEERS

LEAF ENGINEERS

G	ARLAND INDEPENDENT SCHOOL DI	STRICT			
PBK	PROJECT NUMBER	CLIENT			
	230485				
DATE	07/29/2024				
DRAWING HISTORY					
No.	Description	Date			
90% CONSTRUCTION DOCUMENTS - GMP					
MEZZANINE AREA A MECHANICAL FLOOR PLAN					

CHECKED BY:
Mital Patel
DRAWN BY:
Cody Blocker
Plot Stamp:
7/25/2024 4:28:31 PM

90% CONSTRUCTION

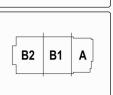
MECHANICAL GENERAL NOTES:

- 4. REFER TO SHEET M-102B FOR PLAYING FIELD EQUIPMEN

MECHANICAL KEYED NOTES:

LEAF

PH1-BP02 FIELDHOUSE AND MULTI-PROGRAM ACTIVITY CENTERS
GARLAND HIGH SCHOOL
GARLAND INDEPENDENT SCHOOL DISTRICT
510 STADIUM DR
GARLAND, TX 75040



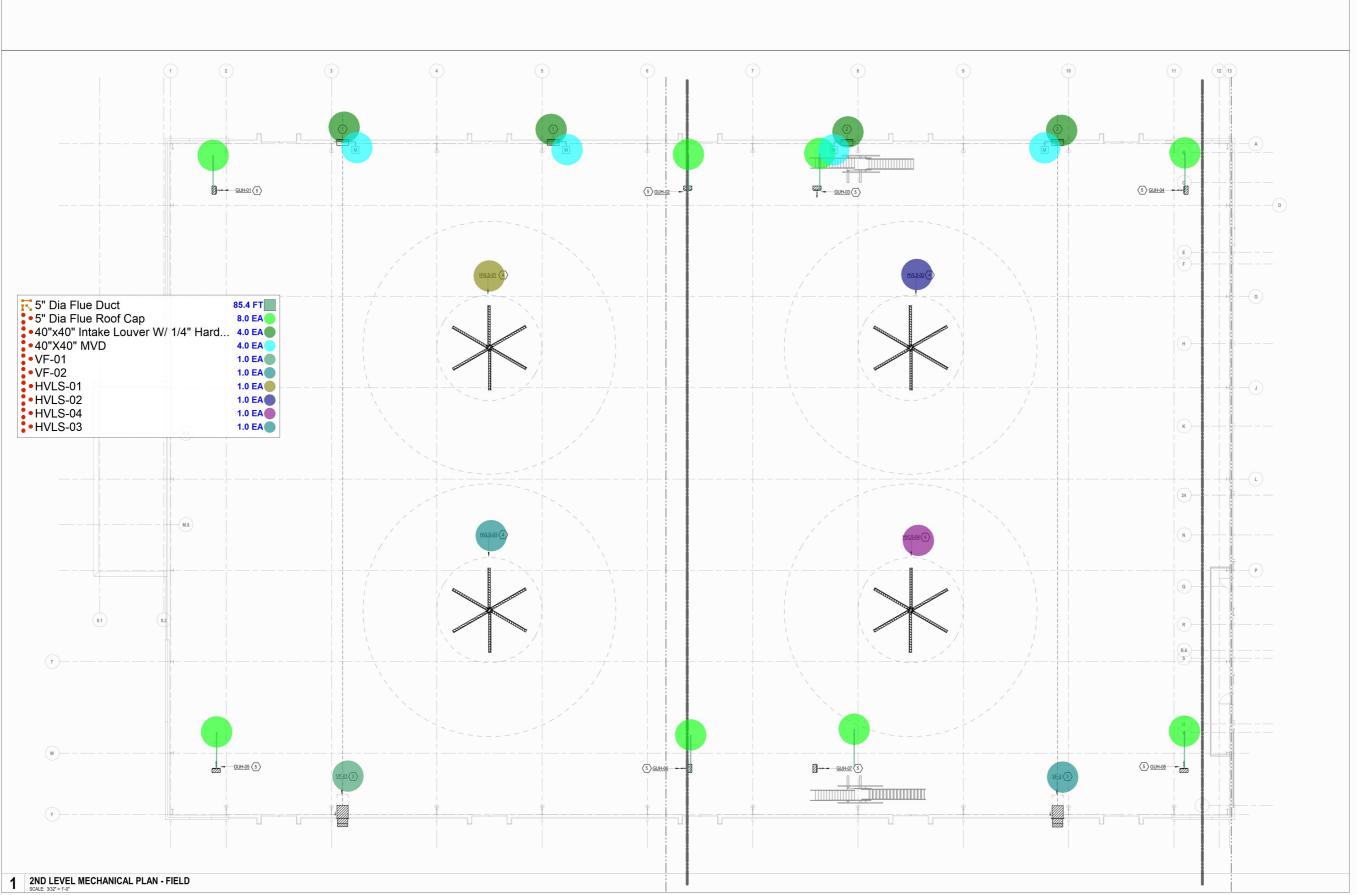
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LEAF ENGINEERS
F-18672

KEY PLAN

PROJECT NUMBER 230485 07/29/2024 90% CONSTRUCTION DOCUMENTS - GMP

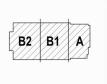
MEZZANINE AREA B MECHANICAL FLOOR PLAN

M-102B



PH1-BP02 FIELDHOUSE AND MULTI-PROGRAM ACTIVITY CENTERS
GARLAND HIGH SCHOOL
GORLAND INDEPENDENT SCHOOL DISTRICT
610 STADUM DR
GORLAND, TX 75040

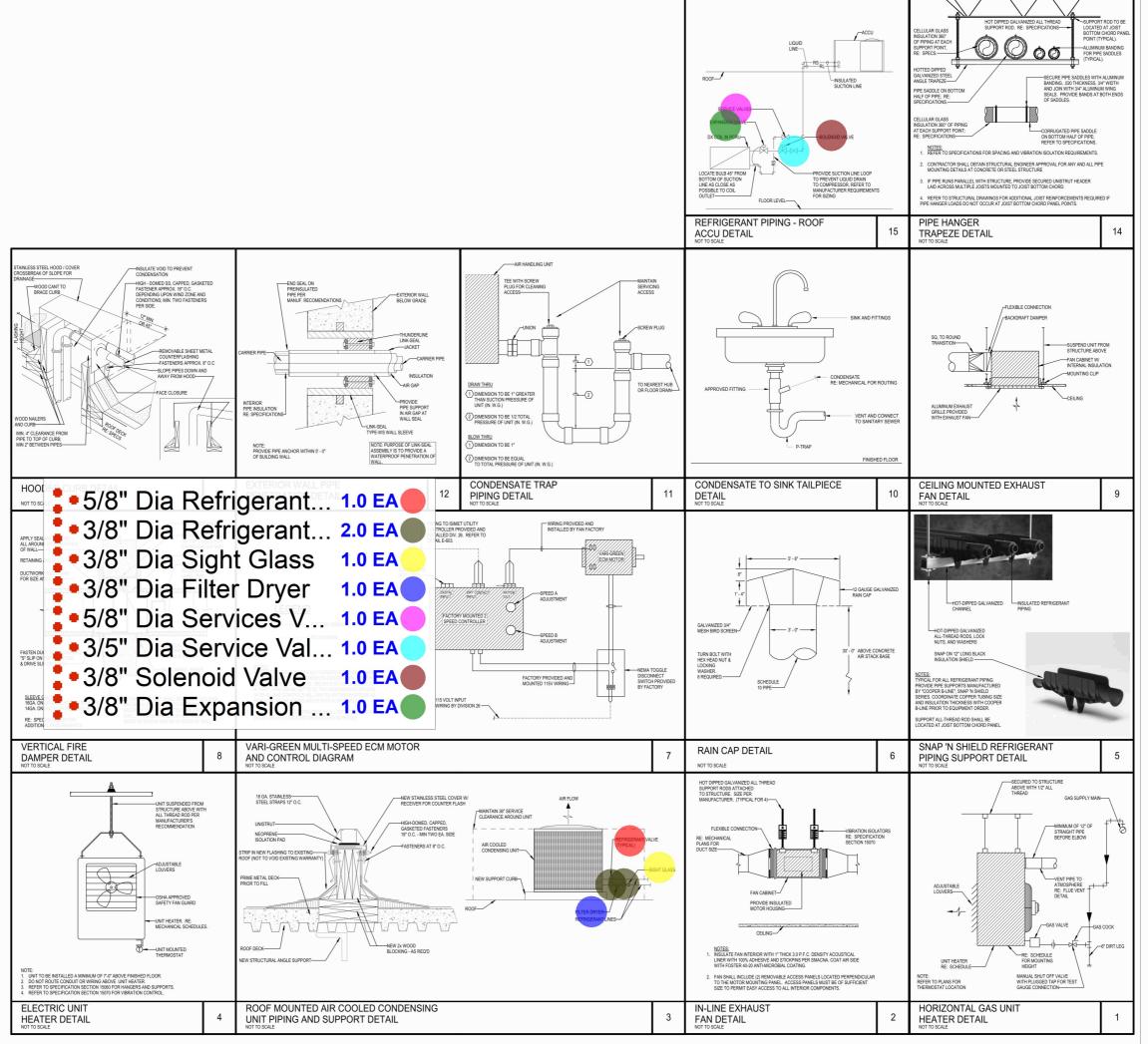




MECHANICAL ROOF

M-301





PH1-BP02 FIELDHOUSE AND MULTI-PROGRAM ACTIVITY CENTERS
GARLAND HIGH SCHOOL
GARLAND INDEPENDENT SCHOOL DISTRICT
510 STADIUM DR
GARLAND, TX 75040



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	CLIENT	
GARL	AND INDEPENDENT SCHOOL D	ISTRICT
PBK	PROJECT NUMBER	CLIENT
23	0485	
DATE	07/29/2024	
DRAWIN	NG HISTORY	
No.	Description	Date
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90% COI	ISTRUCTION DOCUMEN	115 - GMP

MECHANICAL

M-602

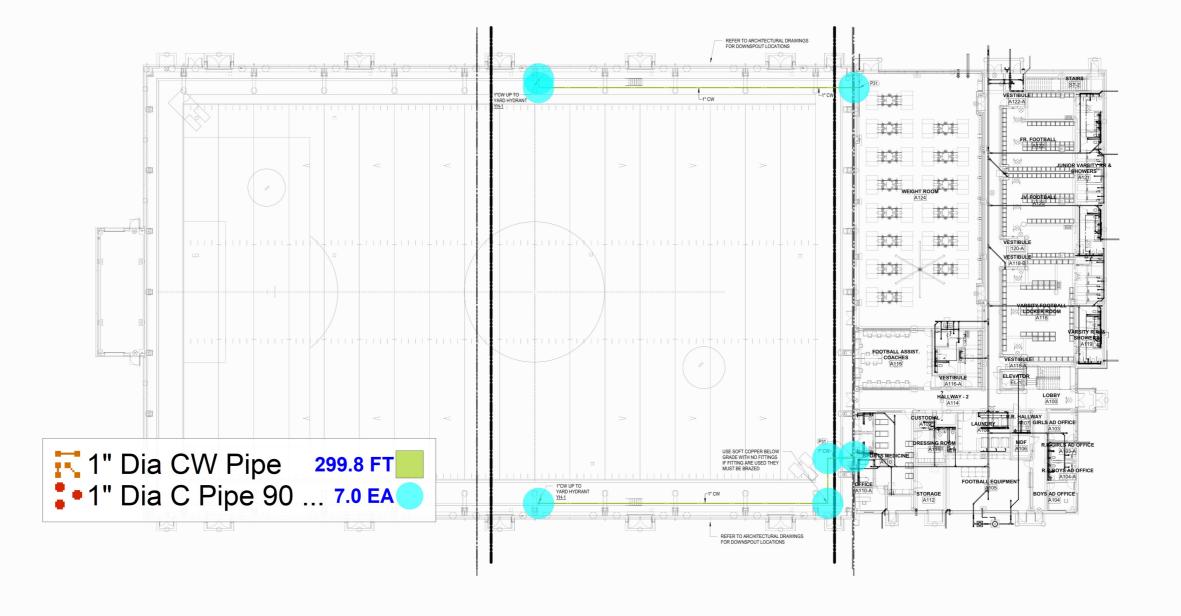


PLUMBING SITE PLAN

PS-101

CHECKED BY:
DON RICHARDS
DRAWN BY:
RANDY APPLING
Plot Stamp:
7/25/2024 4:18:32 PM

GENERAL NOTES - PLUMBING PLAN



LEAF

PH1-BP02 FIELDHOUSE AND MULTI-PROGRAM ACTIVITY CENTERS
GARLAND HIGH SCHOOL
GARLAND INDEPENDENT SCHOOL DISTRICT
510 STADBUM OR
GARLAND, TX 75040



B2 B1

KEY PLAN

1ST LEVEL PLUMBING UNDERGROUND PLAN - COMPOSITE

PU-101

6" Dia SS Pipe 4" Dia SS Pipe 2" Dia SS Pipe ₹3" Dia SS Pipe 6" Dia CA Pipe Wye •4" Dia CA Pipe Wye •2" Dia CA Pipe Wye • 3" Dia CA Pipe Wye • 6" / 4" Dia CA Pipe Double Wye •6" / 4" Dia CA Pipe Reducer •4" / 2" Dia CA Pipe Reducer • 3" / 2" Dia CA Pipe Reducer :•6" / 2" Dia CA Pipe Reducer :•4" / 3" Dia CA Pipe Reducer •4" / 2" Dia CA Pipe Wye
•4" Dia C Pipe 90 Deg Elbow
•3" Dia C Pipe 90 Deg Elbow
•10" Dia C Pipe 90 Deg Elbow •6" Dia C Pipe 90 Deg Elbow •6" Dia C Pipe 45 Deg Elbow •4" Dia C Pipe 45 Deg Elbow •2" Dia C Pipe 90 Deg Elbow •2" Dia C Pipe 45 Deg Elbow 4" Dia GW Pipe 2" Dia GW Pipe 10" Dia SD Pipe 4" Dia RD Pipe 7 6" Dia RD Pipe •2" Dia PVC Pipe Wye 2" Dia SS Pipe 2" Dia PVC Pipe 90 Deg Elbow 4" Dia SS Pipe 4" Dia RD Pipe 6" Dia RD Pipe 10" Dia SD Pipe 3" Dia SS Pipe 3" Dia CW Pipe 3/4" Dia TP Pipe • 3" Dia CW Pipe 90 Deg Elbow • 3/4" Dia TP Pipe 90 Deg Elbow • 3" Dia CW Pipe 45 Deg Elbow • 3/4" Dia TP, 2 Connection • 3/4" Dia TP, 3 Connection 3/4" Dia TP3/4" Dia Isolation Valve1" Dia Isolation Valve 3/4" Dia TP Pipe 1" Dia CW Pipe 3" Dia CW Pipe 4" Dia Gas Pipe 🐪 4" Dia Gas Pipe 90 Deg Elbow %06 4" Dia Gas Pipe 4" Dia FCO 4" Dia WCO 2" Dia WCO •3" Dia WCO •4" Dia 2-Way Grade Cleanout • 4" Dia GCO Sample Well ES-1 ESP-1, In 2'X2'X2' Deep Sump Piy

918.9 FT

23.6 FT

16.0 EA

32.0 EA

4.0 EA

1.0 EA

16.0 EA

2.0 EA

1.0 EA

2.0 EA

24.0 EA

1.0 EA

4.0 EA

1.0 EA

14.0 EA

36.0 EA 6.0 EA 40.8 FT

64.8 FT

14.3 FT

34.4 FT

49.3 FT

35.0 EA

161.8 FT 35.0 EA

36.2 FT 35.9 FT

48.3 FT

12.4 FT

12.6 FT

13.6 FT

231.1 FT

1.0 EA 49.0 EA

1.0 EA

4.0 EA

3.0 EA

5.0 EA 12.0 EA 2.0 EA

121.3 FT 20.7 FT

4.9 FT

11.6 FT

1.0 EA

12.3 FT

8.0 EA

6.0 EA

1.0 EA

4.0 EA

2.0 EA

1.0 EA

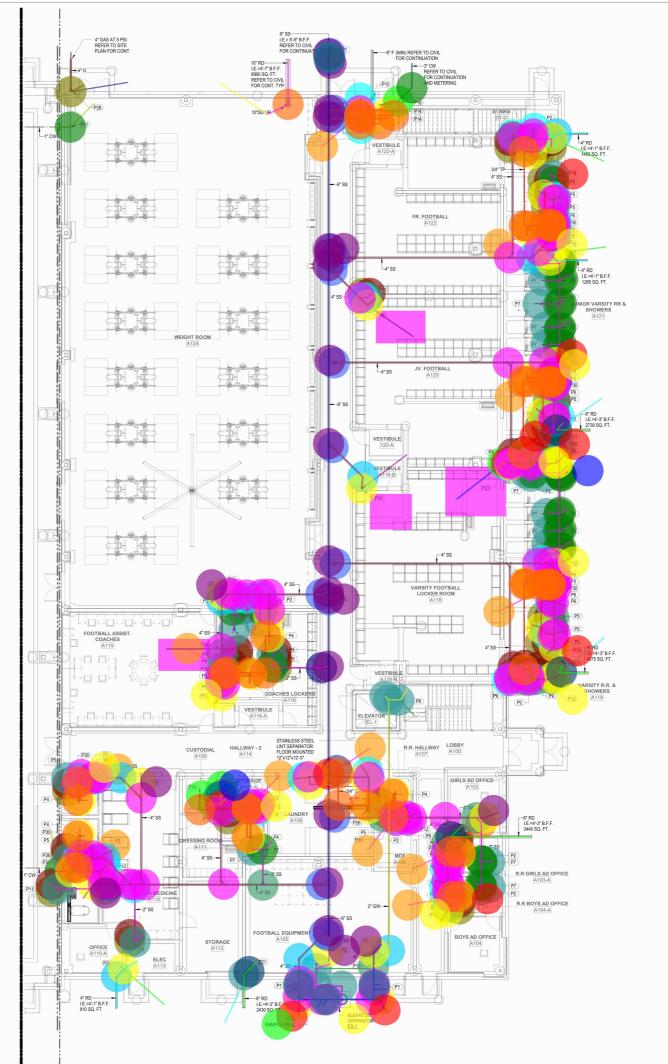
1.0 EA

1.0 EA

9.0 EA

52.0 EA 4.0 EA

104.0 EA



GENERAL NOTES - PLUMBING PLAN

- B. ALL FINAL CONNECTIONS TO FIXTURES AND EQUIPMENT SHALL BE MADE BY THE PLUMBING CONTRACTOR.

- E. REFER TO ARCHITECTURAL DRAWING FOR EXACT LO EQUIPMENT, ETC. DO NOT SCALE FROM PLUMBING D
- G. PROVIDE AND INSTALL A DOUBLE EXTERIOR CLEAN-OUT (DFCO) ON ALL SANITARY LINES EXITING THE BUILDING.

- L. CONTRACTOR SHALL DEWATER ANY AREA AT OR BELOW GRADE PRIOR TO SETTING EQUIPMENT.

- P3 4" WASTE UP TO FLOOR CLEAN OUT, REFER TO DETAILS.

- P7 2" WASTE UP TO SHOWER DRAIN, WITH TRAP GUARD.

- P14 4" WASTE UP TO FLOOR SINK WITH TRAP PRIMER
- P15 3" WASTE UP TO FLOOR SINK WITH TRAP PRIMER

- P22 4" WASTE UP TO GRADE CLEAN-OUT IN CONCRETE PAD, REFER TO DETAILS.

- P27 4" WASTE UP TO FLOOR MOUNTED TROUGH DRAIN LINT INTERCEPTOR.
- P29 3" WASTE UP TO WALL CLEAN-OUT
- P30 3/4" TRAP PRIMER LINE(S) UP TO TRAP PRIMER.
- P31 1" COLD WATER UP WITH ISOLATION VALVE AT 3'-0" ABOVE FINISHED FLOOR



LEAF

ACTIVITY

MULTI-PROGRAM

FIELDHOUSE AND

PH1-BP02 FIELDHOUSE AND CENTERS
GARLAND HIGH SCHOOL
GARLAND INDEPENDENT SCHOOL DISTRIC
510 STADIUM DR
CARLAND, TX 75040

- M. CONTRACTOR SHALL PROVIDE AND INSTALL A TRAP PRIMER, TP-1, AND A HOSE BIBB, HB-3, IN ALL MECHANICAL ROOMS.
- N. CONTRACTOR SHALL PROVIDE AND INSTALL A HOSE BIBB WITH WHEEL HANDLE IN ALL MECHANICAL ROOMS, HB-3.
- ANY AND ALL WATER PIPING EXPOSED TO OUTSIDE ELEMENTS SHALL BE INSULATED AND HEAT TRACED TO PREVENT FREEZING.

KEYNOTES - PLUMBING PLAN

- P1 4" WASTE UP TO 2-WAY GRADE CLEAN-OUT IN CONCRETE PAD, REFER TO DETAILS.

- P4 4" WASTE UP TO 4" FLOOR DRAIN WITH TRAP PRIMER

- P9 2" WASTE UP TO URINAL

- P21 STORM DRAIN UP, SIZE AS NOTED.

- P28 INCOMING 4" GAS UP AT 5 PSI, REFER TO ROOF PLAN AND SITE PLAN FOR CONTINUATION.

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PROJECT NUMBER CLIEN 230485 07/29/2024

1ST LEVEL PLUMBING UNDERGROUND PLAN - FIELD HOUSE

90% Construction Documents - GMP

PU-101A

CHECKED BY: DON RICHARDS 1 ST LEVEL PLUMBING UNDERGROUND PLAN - FIELD HOUSE DRAWN BY: RANDY APPLING Plot Stamp: 7/25/2024 4:18:38 PM



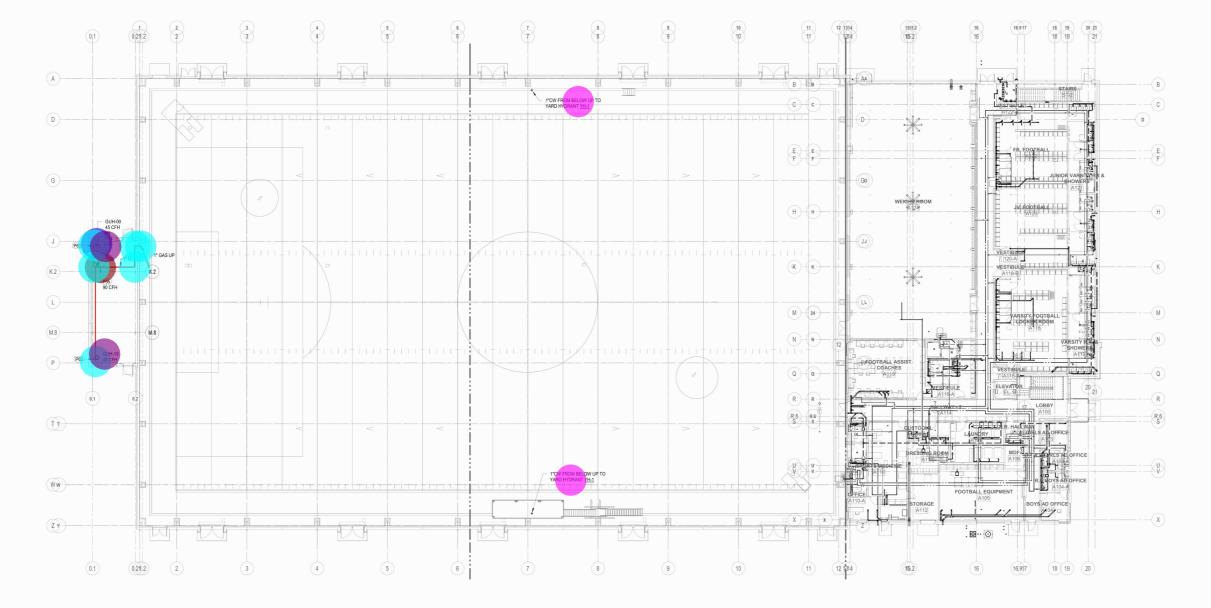
B2 B1

Α

•1" Dia YH-1 2.0 EA 1" Dia Gas Pipe 92.2 FT •1" Dia S Pipe 90 De... 6.0 EA •1" Dia S Pipe 45 De... 1.0 EA •1" Dia GV Pipe 90 ... 1.0 EA 1" Dia GV Pipe 10.1 FT ┇ • 1" Dia Gas Elbow D... 1.0 EA 🌑 -1" Dia Gas Regulator 1.0 EA 1" Connection Detai... 2.0 EA

GENERAL NOTES - PLUMBING PLAN





LEAF

PH1-BP02 FIELDHOUSE AND MULTI-PROGRAM ACTIVITY
CENTERS
GARLAND HIGH SCHOOL
GARLAND INDEPENDENT SCHOOL DISTRICT
610 STADUM DR
GARLAND, TX75040

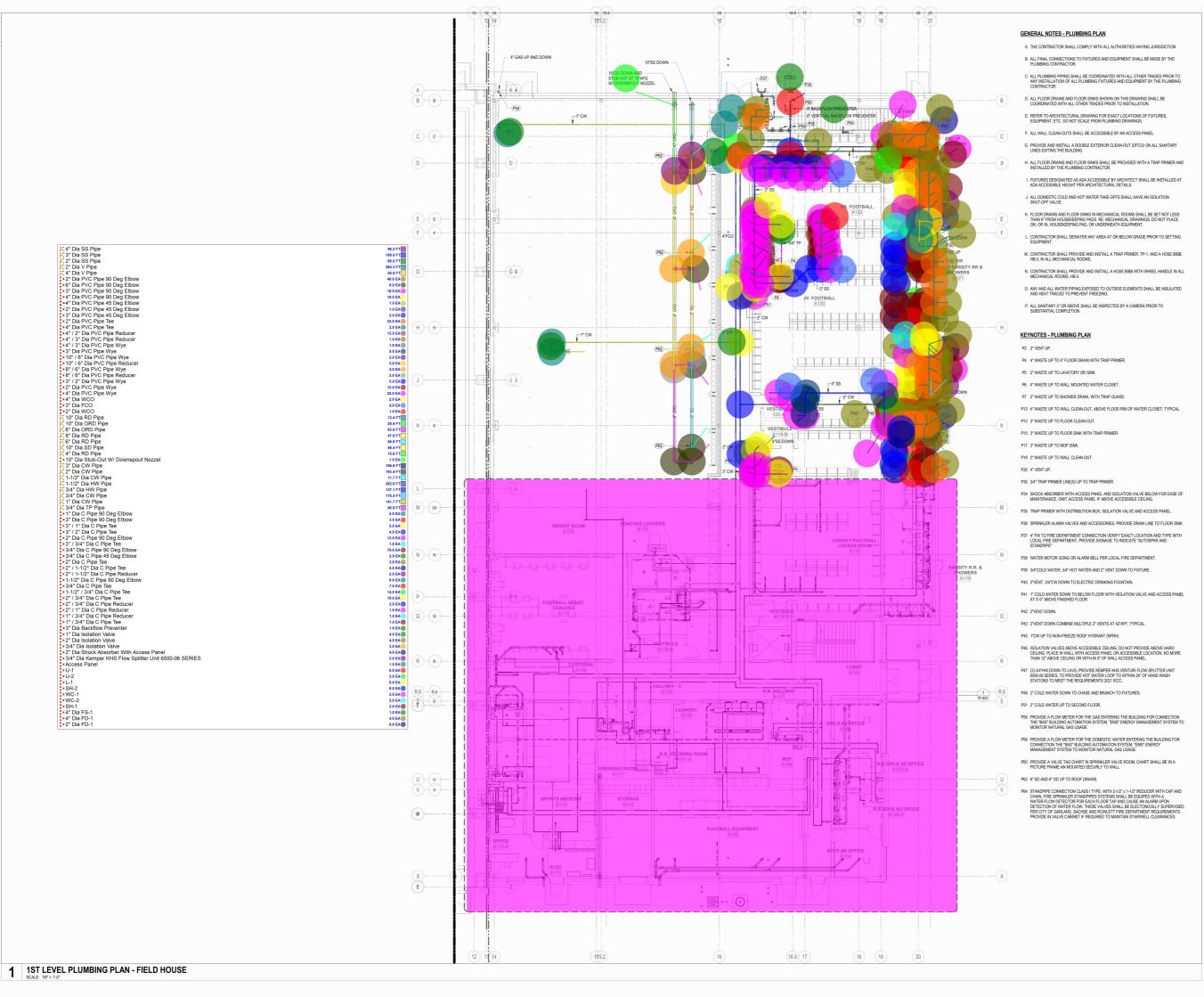


B2 B1

KEY PLAN

1ST LEVEL PLUMBING PLAN - COMPOSITE

1 1ST LEVEL PLUMBING PLAN - COMPOSITE



ACTIVITY

LEAF

PH1-BP02 FIELDHOUSE AND MULTI-PROGRAM CENTERS
GARLAND HIGH SCHOOL
GARLAND INDEPENDENT SCHOOL DISTRICT
510 STADUM DR
GARLAND, TX 75040

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B2 B1

KEY PLAN

PROJECT NUMBER CLIEN 230485 07/29/2024

90% Construction Documents - GMP

1ST LEVEL PLUMBING PLAN - FIELD HOUSE

P-101A

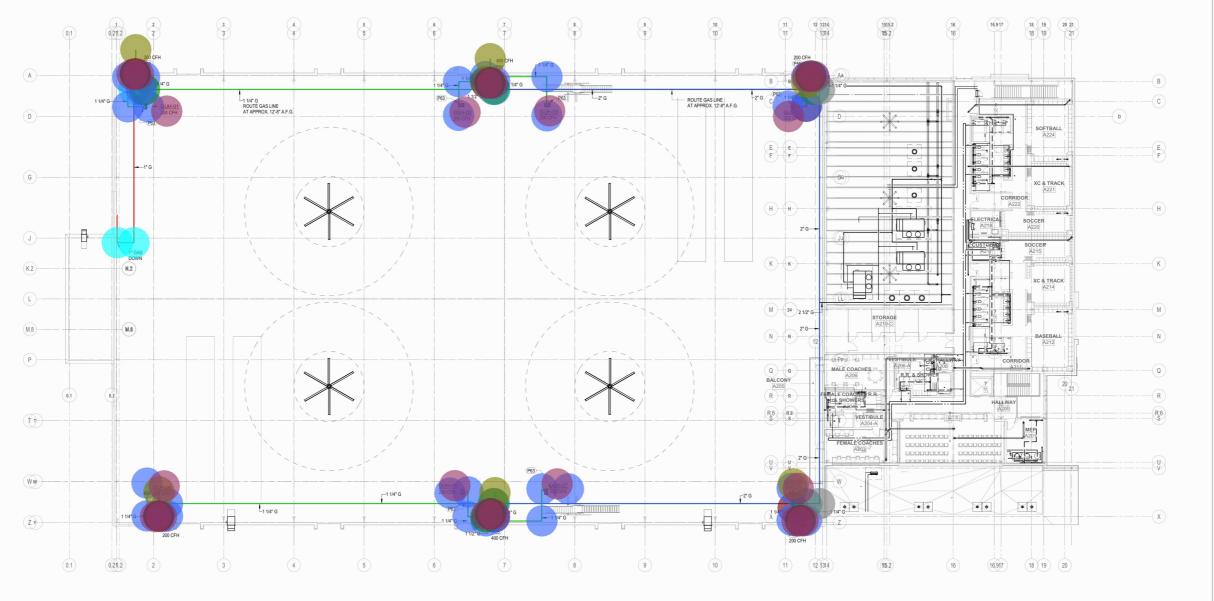
CHECKED BY:
DON RICHARDS
DRAWN BY:
RANDY APPLING
Plot Stamp:
7/25/2024 4:16:54 PM

₹ 2-1/2" Dia Gas Pipe	0.0 FT	
₹ 2" Dia Gas Pipe	455.4 FT	
₹ 1-1/4" Dia Gas Pipe	572.2 FT	
₹ 1" Dia Gas Pipe	87.6 FT	
•2" Dia S Pipe 90 Deg Elbow	2.0 EA	
•2" / 1-1/4" Dia S Pipe Tee	4.0 EA	
•1-1/4" Dia S Pipe Tee	3.0 EA	
• 1-1/4" / 1" Dia S Pipe Reducer	1.0 EA	
•2" / 1-1/4" Dia S Pipe Reducer	2.0 EA	
•1" Dia S Pipe 90 Deg Elbow	3.0 EA	
•1-1/4" Dia S Pipe 90 Deg Elbow	29.0 EA	
• 1-1/4" Dia Gas Valve	12.0 EA	
• 1-1/4" Dia Gas Regulator	6.0 EA	
1" Dia Gas Elbow Down W/ Insect Screen 6.0 EA		
•1" Dia GV Pipe 90 Deg Elbow	6.0 EA	
₹ 1" Dia GV Pipe	61.6 FT	
• 1-1/4" Connection Details Heater	8.0 EA	

GENERAL NOTES - PLUMBING PLAN

- B. ALL FINAL CONNECTIONS TO FIXTURES AND EQUIPMENT SHALL BE MADE BY THE PLUMBING CONTRACTOR.

- FIXTURES DESIGNATED AS ADA ACCESSIBLE BY ARCHITECT SHALL BE INSTALLED AT ADA ACCESSIBLE HEIGHT PER ARCHITECTURAL DETAILS.
- J. ALL DOMESTIC COLD AND HOT WATER TAKE-OFFS SHALL HAVE AN ISOLATION SHUT-OFF VALVE.



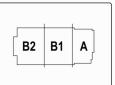
LEAF

L. CONTRACTOR SHALL DEWATER ANY AREA AT OR BELOW GRADE PRIOR TO SETTING EQUIPMENT.

KEYNOTES - PLUMBING PLAN

- P63 GAS CONNECTION TO GAS FIRED UNIT HEATER WITH GAS COCK, DRIP LEG AND UNION, REFER TO DETAILS.





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LEA FENGINEERS
F-18672

KEY PLAN

TH: PLAN TRUE

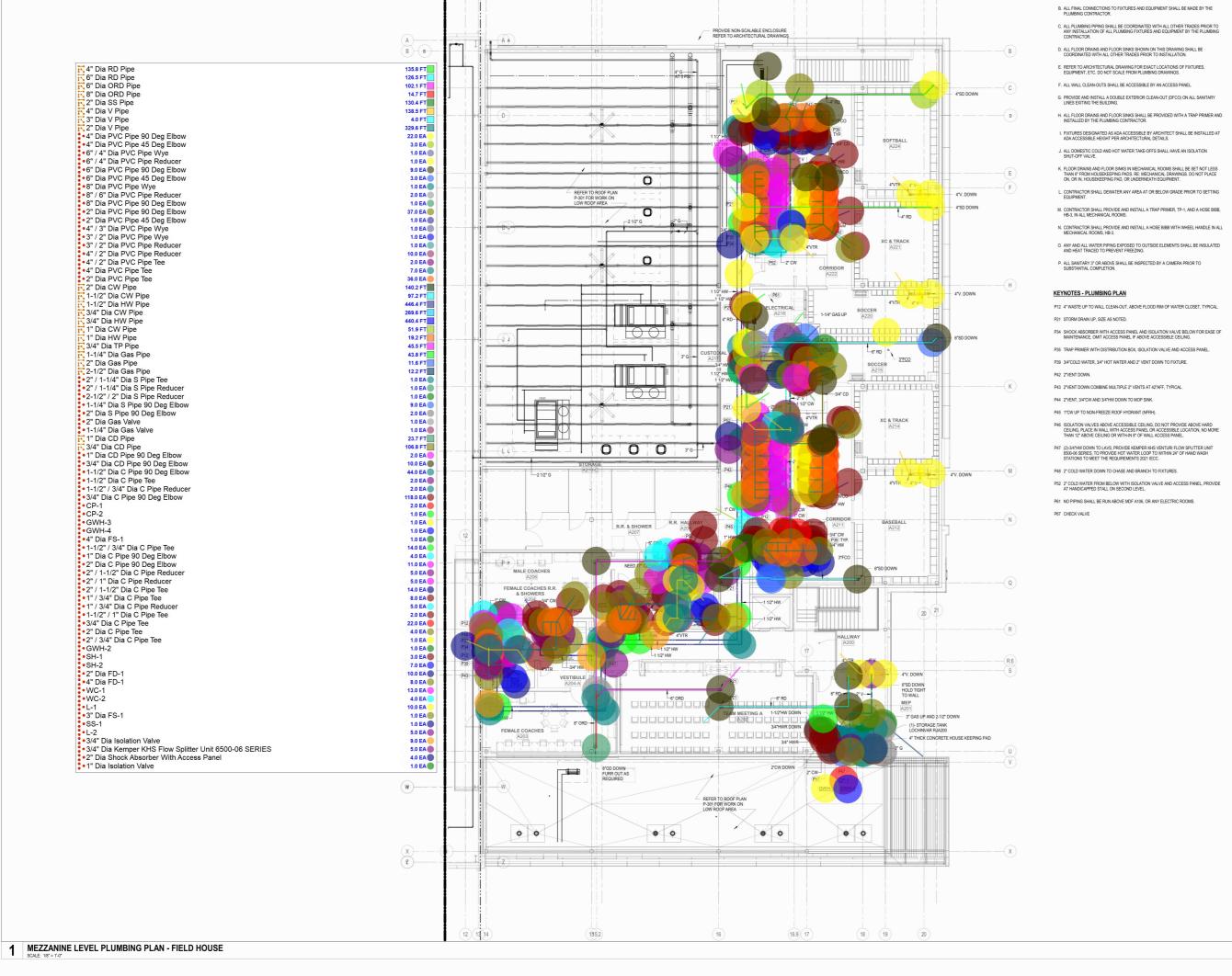
PROJECT NUMBER CLIENT

MEZZANINE LEVEL PLUMBING PLAN -COMPOSITE

90% Construction Documents - GMP

P-102





MULTI-PROGRAM

FIELDHOUSE AND

SCHOOL DISTR

LEAF

ACTIVITY

GENERAL NOTES - PLUMBING PLAN

PH1-BP02 FIELDH
CENTERS
GARLAND HIGH S
GARLAND INDEPENDENT SC
STADIUM DR
GARLAND, TX 75940

B2 B1 Α

H: PLAN TRUE

KEY PLAN

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CLIENT PROJECT NUMBER 230485 07/29/2024

> **MEZZANINE LEVEL PLUMBING PLAN -**FIELD HOUSE

90% Construction Documents - GMP

P-102A

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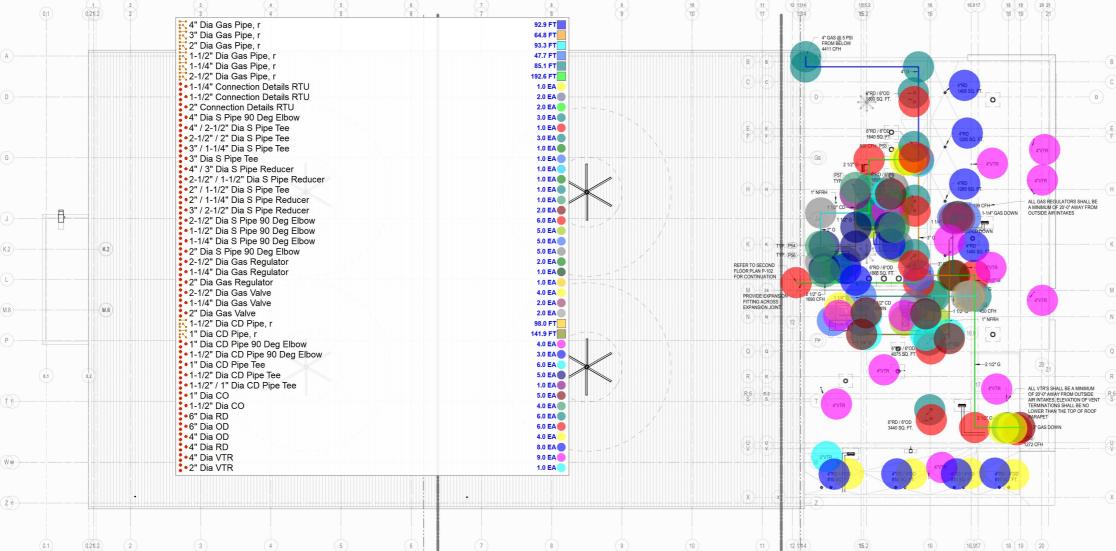
1 PLUMBING ROOF PLAN
SCALE: 1/16" = 1'-0"

GENERAL NOTES - PLUMBING PLAN

- B. ALL FINAL CONNECTIONS TO FIXTURES AND EQUIPMENT SHALL BE MADE BY THE PLUMBING CONTRACTOR.

- G. PROVIDE AND INSTALL A DOUBLE EXTERIOR CLEAN-OUT (DFCO) ON ALL SANITARY LINES EXITING THE BUILDING.
- FIXTURES DESIGNATED AS ADA ACCESSIBLE BY ARCHITECT SHALL BE INSTALLED AT ADA ACCESSIBLE HEIGHT PER ARCHITECTURAL DETAILS.
- J. ALL DOMESTIC COLD AND HOT WATER TAKE-OFFS SHALL HAVE AN ISOLATION SHUT-OFF VALVE.

- N. CONTRACTOR SHALL PROVIDE AND INSTALL A HOSE BIBB WITH WHEEL HANDLE IN ALL MECHANICAL ROOMS, HB-3.





LEAF

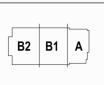
L. CONTRACTOR SHALL DEWATER ANY AREA AT OR BELOW GRADE PRIOR TO SETTING EQUIPMENT.

M. CONTRACTOR SHALL PROVIDE AND INSTALL A TRAP PRIMER, TP-1, AND A HOSE BIBB, HB-3, IN ALL MECHANICAL ROOMS.

KEYNOTES - PLUMBING PLAN

- P54 GAS CONNECTION TO RTU WITH GAS COCK, DRIP LEG AND UNION, REFER TO DETAILS.
- P56 FULL SIZE CONDENSATE DRAIN CONNECTION TO RTU WITH DEEP SEAL P-TRAP AND VENT, REFER TO DETAILS.
- P57 CONDENSATE DRAIN SHALL HAVE CLEAN-OUT AT ALL CHANGES IN DIRECTION





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LEAF ENGINEERS

LEAF ENGINEERS

F-18672

KEY PLAN

H: PLAN TRUE

PROJECT NUMBER 230485 07/29/2024 90% Construction Documents - GMP

> PLUMBING ROOF PLAN

> > P-301

