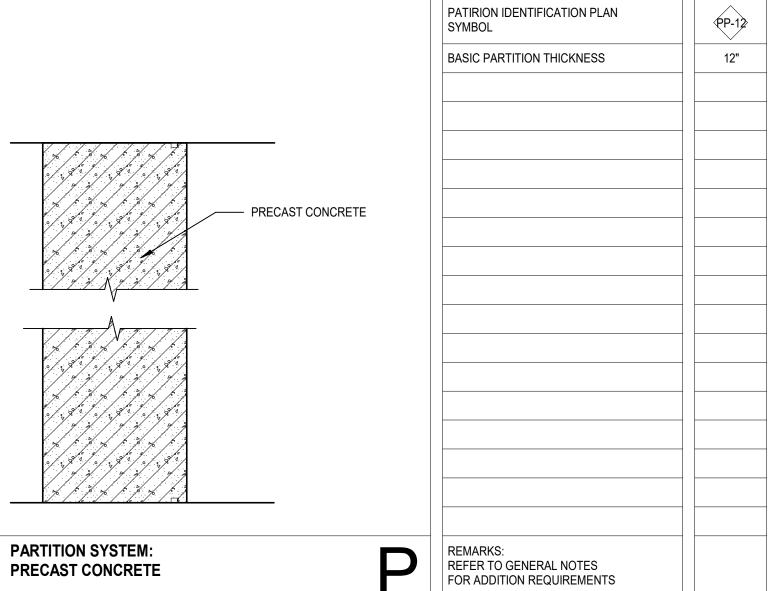
INTERIOR WALL TYPES

ASSEMBLIES

*REFER TO WALL SECTIONS FOR COMPLETE WALL



PATIRION IDENTIFICATION PLAN

BASIC PARTITION THICKNESS

STUD SPACING (O.C.)

GWB THICKNESS

INSULATION THICKNESS

ACOUSTICAL JOINTS

RESILIENT CHANNELS

FIRE RATING (HRS)

FIRE TEST NUMBER

FIRE RESISTIVE JOINTS

GWB TO STRUCTURE

BEARING WALL

STUDS TO STRUCTURE ABOVE

STUDS TO 6" ABOVE CEILING

REFER TO GENERAL NOTES
FOR ADDITION REQUIREMENTS

PATIRION IDENTIFICATION PLAN

BASIC PARTITION THICKNESS

MASONRY SIZE

FIRE RATING (HRS)

REMARKS:
REFER TO GENERAL NOTES
FOR ADDITION REQUIREMENTS

MASONRY SIZE

PATIRION IDENTIFICATION PLAN

BASIC PARTITION THICKNESS

ACOUSTICAL RATING (STC)

ACOUSTICAL TEST NUMBER

STUD SIZE

- SIM. WALL TYPE ON OTHER SIDE OF

ISOLATION JOINT,

WHERE OCCURS

— 6" CH STUD (20 GA)

FOR WIDTH

1" GYPSUM CORE

— 6" METAL RUNNER

CONCRETE MASONRY UNITS

THIN BRICK VENEER WHERE INDICATED BY INTERIOR PLANS / ELEVATIONS

LINE OF CEILING

— 7/8" HAT CHANNEL

- CONCRETE MASONRY UNITS

— 5/8" TYPE "X" GYPSUM BOARD

FIRE-RESISTIVE JOINT

AIR GAP AT EXPANSION

-REFER TO STR DWGS

-

PARTITION SYSTEM:

PARTITION SYSTEM: **CONCRETE MASONRY**

PARTITION SYSTEM: CONCRETE MASONRY

GYPSUM WALL BOARD PARTITION

19 1/4"

MAX 16"

6 MS

5/8" & 1"

UL U415

YES

YES

NO

NO

8" | 8"

8" CMU 8" CMU

N8a

8"

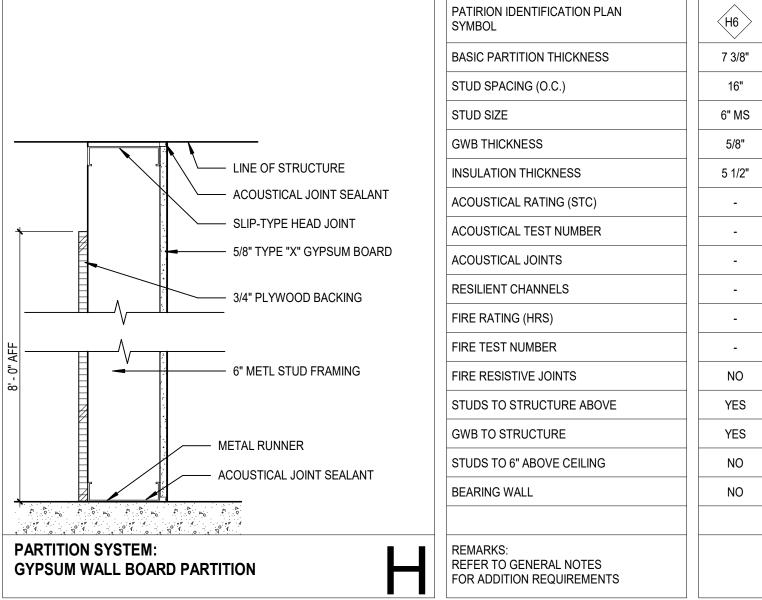
8" CMU + GYP+FUR RING ONE SIDE BOTH SIDES

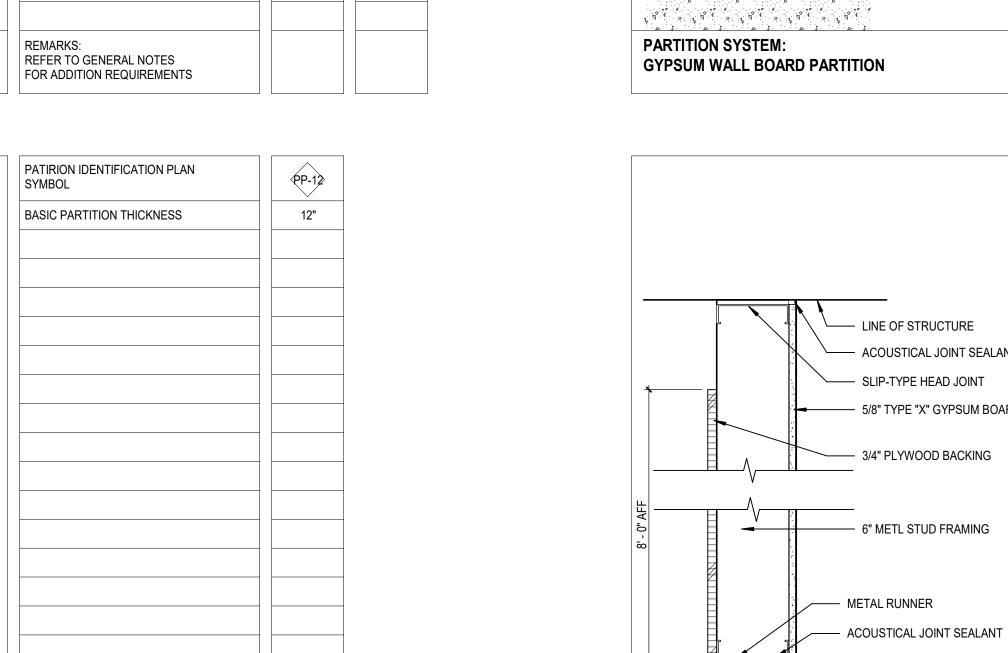
N8b>

| | 1

12"

12" CMU 6" CMU





I / I L L I L I O I L I I I I O I VI I I L I I I O I I I I I I I I I I I I			
,		BASIC PARTITION THICKNESS	6 5/8"
		STUD SPACING (O.C.)	16"
		STUD SIZE	6" MS
		GWB THICKNESS	5/8"
	- LINE OF STRUCTURE	INSULATION THICKNESS	5 1/2"
	- ACOUSTICAL JOINT SEALANT	ACOUSTICAL RATING (STC)	55
	- SLIP-TYPE HEAD JOINT	ACOUSTICAL TEST NUMBER	-
	- 5/8" TYPE "X" GYPSUM BOARD	ACOUSTICAL JOINTS	YES
		RESILIENT CHANNELS	-
		FIRE RATING (HRS)	-
		FIRE TEST NUMBER	-
	- 6" METL STUD FRAMING	FIRE RESISTIVE JOINTS	NO
		STUDS TO STRUCTURE ABOVE	YES
	METAL RUNNER	GWB TO STRUCTURE	YES
	ACOUSTICAL JOINT SEALANT	STUDS TO 6" ABOVE CEILING	NO
	ACOUSTICAL JOINT SEALANT	BEARING WALL	NO
PARTITION SYSTEM: GYPSUM WALL BOARD PARTITION	G	REMARKS: REFER TO GENERAL NOTES FOR ADDITION REQUIREMENTS	

NOTES: I) REFER TO PLAN FOR WALL SPACING		PATIRION IDENTIFICATION PLAN SYMBOL	G6a
THE ENTOT ENTON WHEE OF HOME		BASIC PARTITION THICKNESS	6 5/8"
		STUD SPACING (O.C.)	16"
		STUD SIZE	6" MS
	-	GWB THICKNESS	5/8"
	— LINE OF STRUCTURE	INSULATION THICKNESS	5 1/2"
	— ACOUSTICAL JOINT SEALANT	ACOUSTICAL RATING (STC)	55
	— SLIP-TYPE HEAD JOINT	ACOUSTICAL TEST NUMBER	-
	— 5/8" TYPE "X" GYPSUM BOARD	ACOUSTICAL JOINTS	YES
		RESILIENT CHANNELS	-
		FIRE RATING (HRS)	-
		FIRE TEST NUMBER	-
	— 6" METL STUD FRAMING	FIRE RESISTIVE JOINTS	NO
		STUDS TO STRUCTURE ABOVE	YES
	- METAL RUNNER	GWB TO STRUCTURE	YES
	- ACOUSTICAL JOINT SEALANT	STUDS TO 6" ABOVE CEILING	NO
	ACOUSTICAL SOUNT SLALANT	BEARING WALL	NO
PARTITION SYSTEM: GYPSUM WALL BOARD PARTITION	G	REMARKS: REFER TO GENERAL NOTES FOR ADDITION REQUIREMENTS	

	BASIC PARTITION THICKNESS	1 1/2"	2 1/8"	3 1/8"	4 1/4"	6 5/8"
	STUD SPACING (O.C.)	16"	16"	16"	16"	16"
	STUD SIZE	7/8" HC	1-1/2" FC	2 1/2" MS	3 5/8" MS	6" MS
	GWB THICKNESS	5/8"	5/8"	5/8"	5/8"	5/8"
LINE OF STRUCTURE	INSULATION THICKNESS	-	-	-	-	-
JOINT SEALANT						
F/OIL TVDE IIVII OVDOLIM DOADD						
5/8" TYPE "X" GYPSUM BOARD						
	STUDS TO STRUCTURE ABOVE	NO	NO	NO	NO	NO
	GWB TO STRUCTURE	NO	NO	NO	NO	NO
	STUDS TO 6" ABOVE CEILING	YES	YES	YES	YES	YES
	ACOUSTICAL RATING (STC)	N/A	N/A	N/A	N/A	N/A
3 5/8" METAL RUNNER	ACOUSTICAL TEST NUMBER	N/A	N/A	N/A	N/A	N/A
JOINT SEALANT	ACOUSTICAL JOINTS	N/A	N/A	N/A	N/A	N/A
JOINT GLALANT						
PARTITION SYSTEM: GYPSUM FURRING PARTITION	REMARKS: REFER TO GENERAL NOTES					
I	FOR ADDITION REQUIREMENTS					
	DATIDION IDENTIFICATION DI VIV					
NOTES: 1) REFER TO PLAN FOR WALL SPACING	PATIRION IDENTIFICATION PLAN SYMBOL	G6a				
		0 -/0"				

PATIRION IDENTIFICATION PLAN SYMBOL	E4	E6
BASIC PARTITION THICKNESS	4 7/8"	4 7/8"
STUD SPACING (O.C.)	16"	16"
STUD SIZE	3 5/8" MS	6" MS
GWB THICKNESS	5/8"	5/8"
INSULATION THICKNESS	-	-
ACOUSTICAL RATING (STC)	-	-
ACOUSTICAL TEST NUMBER	-	-
ACOUSTICAL JOINTS	-	-
RESILIENT CHANNELS	-	-
FIRE RATING (HRS)	-	-
FIRE TEST NUMBER	-	-
FIRE RESISTIVE JOINTS	NO	NO
STUDS TO STRUCTURE ABOVE	NO	NO
GWB TO STRUCTURE	NO	NO
STUDS TO 6" ABOVE CEILING	YES	YES
BEARING WALL	NO	NO
REMARKS: REFER TO GENERAL NOTES FOR ADDITION REQUIREMENTS		
	BASIC PARTITION THICKNESS STUD SPACING (O.C.) STUD SIZE GWB THICKNESS INSULATION THICKNESS ACOUSTICAL RATING (STC) ACOUSTICAL TEST NUMBER ACOUSTICAL JOINTS RESILIENT CHANNELS FIRE RATING (HRS) FIRE TEST NUMBER FIRE RESISTIVE JOINTS STUDS TO STRUCTURE ABOVE GWB TO STRUCTURE STUDS TO 6" ABOVE CEILING BEARING WALL REMARKS: REFER TO GENERAL NOTES	SYMBOL BASIC PARTITION THICKNESS STUD SPACING (O.C.) STUD SIZE GWB THICKNESS INSULATION THICKNESS ACOUSTICAL RATING (STC) ACOUSTICAL TEST NUMBER ACOUSTICAL JOINTS RESILIENT CHANNELS FIRE RATING (HRS) FIRE TEST NUMBER - FIRE RESISTIVE JOINTS STUDS TO STRUCTURE ABOVE GWB TO STRUCTURE STUDS TO 6" ABOVE CEILING BEARING WALL REMARKS: REFER TO GENERAL NOTES

4 1/4"	6 5/8"	
16"	16"	
5/8" MS	6" MS	
5/8"	5/8"	
-	-	
NO	NO	<u> </u>
NO	NO	
YES	YES	
N/A	N/A	
N/A	N/A	
N/A	N/A	
		A 2
		PARTI
		GYPSU

		PATIRION IDENTIFICATION PLAN SYMBOL	B6a	B8a
		BASIC PARTITION THICKNESS	7 3/8"	7 3/8"
		STUD SPACING (O.C.)	16"	16"
		STUD SIZE	6" MS 6" MS	3 5/8" MS 3 5/8" MS
		GWB THICKNESS	5/8"	5/8"
	LINE OF STRUCTURE	INSULATION THICKNESS	5 1/2"	2 1/2"
	—— ACOUSTICAL JOINT SEALANT	ACOUSTICAL RATING (STC)	60	60
	SLIP-TYPE HEAD JOINT	ACOUSTICAL TEST NUMBER	-	-
	5/8" TYPE "X" GYPSUM BOARD 2 LAYERS	ACOUSTICAL JOINTS	YES	YES
		RESILIENT CHANNELS	-	-
		FIRE RATING (HRS)	-	-
	_	FIRE TEST NUMBER	-	-
	—— 6" METL STUD FRAMING, U.N.O.	FIRE RESISTIVE JOINTS	NO	NO
	0.11.0.	STUDS TO STRUCTURE ABOVE	YES	YES
	METAL RUNNER	GWB TO STRUCTURE	YES	YES
		STUDS TO 6" ABOVE CEILING	NO	NO
	ACOUSTICAL JOINT SEALANT	BEARING WALL	NO	NO
	· .0,			
ON SYSTEM: // WALL BOARD PARTIT	пом В	REMARKS: REFER TO GENERAL NOTES FOR ADDITION REQUIREMENTS		

PATIRION IDENTIFICATION PLAN

BASIC PARTITION THICKNESS

STUD SPACING (O.C.)

GWB THICKNESS

INSULATION THICKNESS

ACOUSTICAL RATING (STC)

ACOUSTICAL TEST NUMBER

ACOUSTICAL JOINTS

RESILIENT CHANNELS

FIRE RATING (HRS)

FIRE TEST NUMBER

FIRE RESISTIVE JOINTS

GWB TO STRUCTURE

BEARING WALL

REMARKS:
REFER TO GENERAL NOTES
FOR ADDITION REQUIREMENTS

SYMBOL

STUD SPACING

GWB THICKNESS

STUD SIZE

STUDS TO STRUCTURE ABOVE

STUDS TO 6" ABOVE CEILING

PATIRION IDENTIFICATION PLAN

BASIC PARTITION THICKNESS

SHAFT WALL LINER THICKNESS

INSULATION THICKNESS

FIRE RATING (HRS)

FIRE TEST NUMBER

REMARKS:
REFER TO GENERAL NOTES
FOR ADDITION REQUIREMENTS

FIRE RESISTIVE JOINTS

STUD SIZE

- LINE OF STRUCTURE

— SLIP-TYPE HEAD JOINT

2 LAYERS

2 LAYERS

ACOUSTICAL JOINT SEALANT

5/8" TYPE "X" GYPSUM BOARD

- 5/8" TYPE "X" GYPSUM BOARD

ACOUSTICAL BATT INSULATION

- 3 5/8" METAL RUNNER

— ACOUSTICAL JOINT

— LINE OF STRUCTURE

2 LAYERS

----- 5" CH STUD (20 GA)

— METAL RUNNER

- FIRE-RESISTIVE JOINT SYSTEM

FIRE-RESISTIVE JOINT SYSTEM

—— 5/8" TYPE "X" GYPSUM BOARD

— 1" GYPSUM CORE BOARD

SEALANT

PARTITION SYSTEM:

PARTITION SYSTEM:

SHAFT WALL ASSEMBLY

GYPSUM WALL BOARD PARTITION

C6a

8 1/2"

16"

5/8" X

2 1/2"

55

YES

NO

NO

YES

YES

NO

5 1/4"

16"

5" CH

1" X

UL-U415

YES

5/8" X (2) 5/8" X

6" MS

7 1/4"

16"

6" MS

5/8" X

2 1/2"

YES

U419

YES

YES

NO

6 1/8"

3 5/8" MS

5/8" X

2 1/2"

YES

NO

NO

YES

YES

NO

D6.1

5 1/4"

16"

1" X

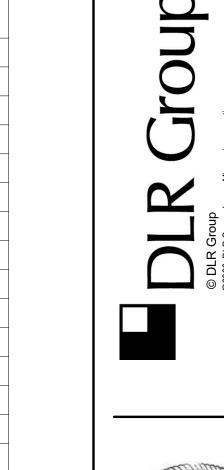
5" CH

UL-U415

YES

		PATIRION IDENTIFICATION PLAN SYMBOL	B6a	B8a
		BASIC PARTITION THICKNESS	7 3/8"	7 3/8"
		STUD SPACING (O.C.)	16"	16"
		STUD SIZE	6" MS 6" MS	3 5/8" MS 3 5/8" MS
		GWB THICKNESS	5/8"	5/8"
	- LINE OF STRUCTURE	INSULATION THICKNESS	5 1/2"	2 1/2"
	— ACOUSTICAL JOINT SEALANT	ACOUSTICAL RATING (STC)	60	60
	— SLIP-TYPE HEAD JOINT	ACOUSTICAL TEST NUMBER	-	-
	 5/8" TYPE "X" GYPSUM BOARD 2 LAYERS 	ACOUSTICAL JOINTS	YES	YES
		RESILIENT CHANNELS	-	-
		FIRE RATING (HRS)	-	-
		FIRE TEST NUMBER	-	-
	 6" METL STUD FRAMING, U.N.O. 	FIRE RESISTIVE JOINTS	NO	NO
	U.IV.O.	STUDS TO STRUCTURE ABOVE	YES	YES
	— METAL RUNNER	GWB TO STRUCTURE	YES	YES
		STUDS TO 6" ABOVE CEILING	NO	NO
	— ACOUSTICAL JOINT SEALANT	BEARING WALL	NO	NO
PARTITION SYSTEM: GYPSUM WALL BOARD PARTITION	B B	REMARKS: REFER TO GENERAL NOTES FOR ADDITION REQUIREMENTS		

	PATIRION IDENTIFICATION PLAN SYMBOL	A4	A4a	AS4a	A6	A6.1	A6a	AS8a
	BASIC PARTITION THICKNESS	4 7/8"	4 7/8"	7 1/4"	7 1/4"	7 1/4"	7 1/4"	9 1/4"
	STUD SPACING	16"	16"	16" *	16"	16"	16"	16" *
	STUD SIZE	3 5/8" MS	3 5/8" MS	3 5/8" MS	6" MS	6" MS	6" MS	3 5/8" MS
	GWB THICKNESS	5/8"	5/8"	5/8"	5/8"	5/8" X	5/8" X	5/8"
LINE OF STRUCTURE	INSULATION THICKNESS	-	2 1/2"	2 1/2"	-	2 1/2"	2 1/2"	2 1/2"
JOINT SEALANT	ACOUSTICAL RATING (STC)	-	47	50	-	-	47	50
SLIP-TYPE HEAD JOINT	ACOUSTICAL TEST NUMBER	-	NGC2386	NGC2386	-	-	-	NGC2386
	ACOUSTICAL JOINTS	-	YES	YES	-	YES	YES	YES
5/8" TYPE "X" GYPSUM BOARD	RESILIENT CHANNELS	-	-	-	-	-	-	-
	FIRE RATING (HRS)	-	-	-	-	$\sqrt{1}$	-	-
	FIRE TEST NUMBER	NO	NO	NO	NO	U419	NO	NO
	FIRE RESISTIVE JOINTS	YES	NO	NO	YES		YES	NO
	STUDS TO STRUCTURE ABOVE	YES	YES	YES	YES	YES	YES	YES
3 5/8" METAL RUNNER	GWB TO STRUCTURE	YES	YES	YES	YES	YES	YES	YES
JOINT SEALANT	STUDS TO 6" ABOVE CEILING	NO	NO	NO	NO	NO	NO	NO
JOINT GEALANT	BEARING WALL							
ARTITION SYSTEM: YPSUM WALL BOARD PARTITION	REMARKS: REFER TO GENERAL NOTES FOR ADDITION REQUIREMENTS			*STAGGERED 3-5/8" STUDS IN 6" TRACK				*STAGGERED 3-5/8" STUDS IN 8" TRACK

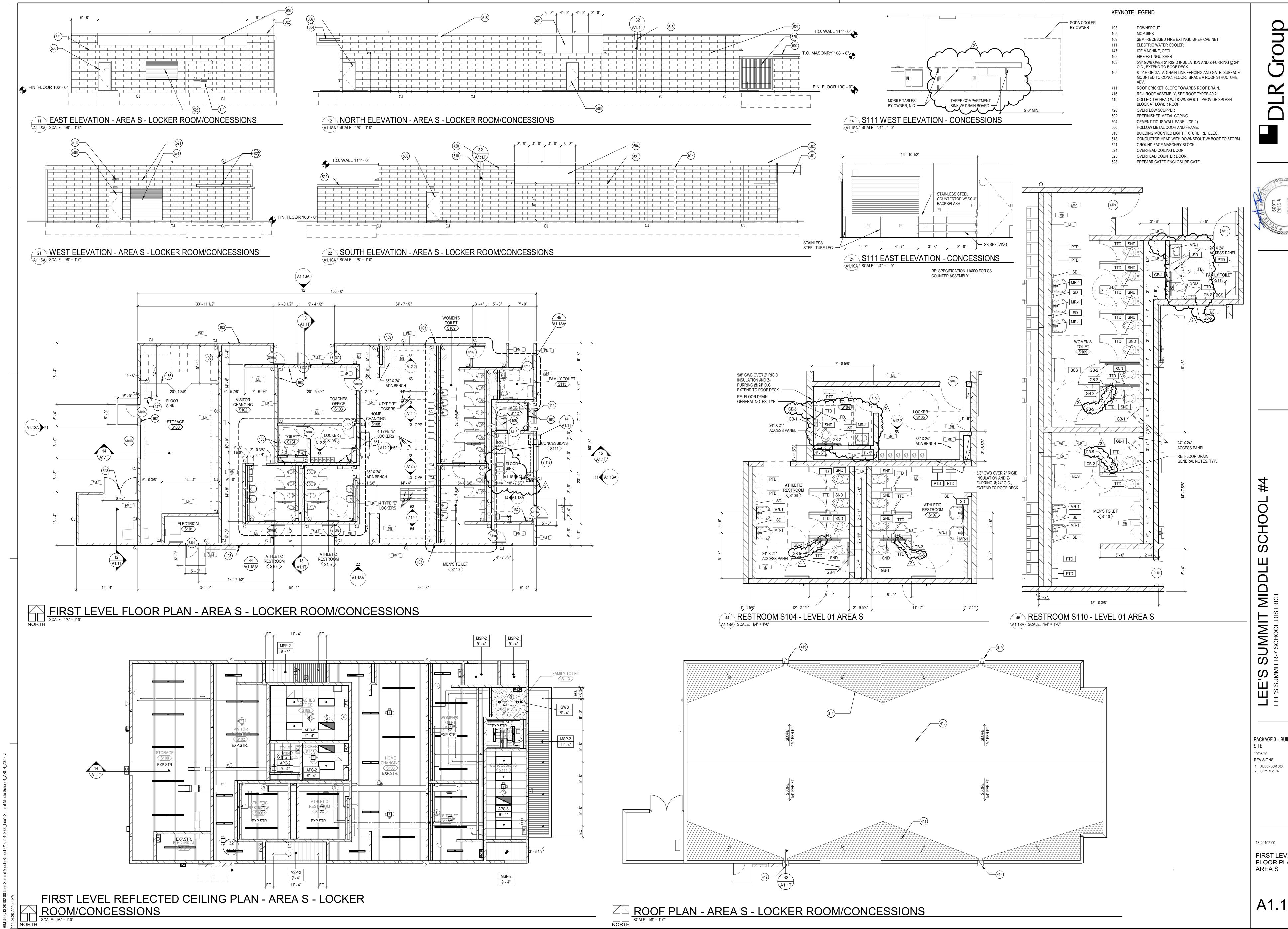


PACKAGE 3 - BUILDING & 10/08/20 REVISIONS 10/19/20 10/21/20 11/3/20 1 ADDENDUM 002 2 ADDENDUM 003 3 CITY REVIEW

LEE'S SUMMIT R-7 SCHOOL DIST

13-20102-00 INTERIOR WALL **TYPES**

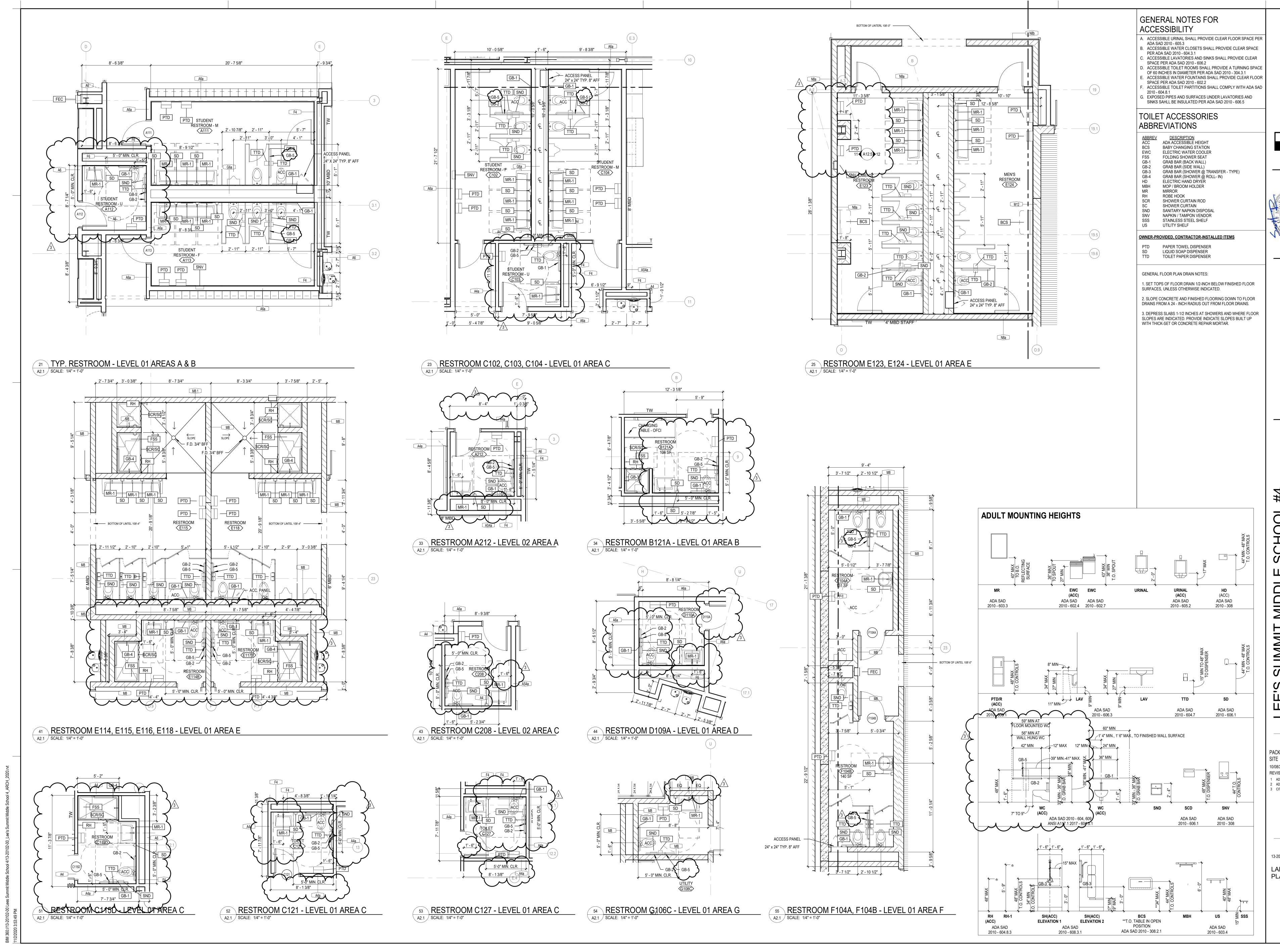
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PACKAGE 3 - BUILDING &

FIRST LEVEL FLOOR PLAN -AREA S

A1.1SA



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SCOTT PASSILA NULTER TO CHITE CHITE

SUMMIT MIDDLE SCHOOL #

PACKAGE 3 - BUILDING & SITE

10/08/20
REVISIONS

1 ADDENDUM 001 10/

10/08/20
REVISIONS
1 ADDENDUM 001
2 ADDENDUM 002
3 CITY REVIEW

13-20102-00 LARGE SCALE PLANS

A2.1

NUMBER	_ROOM SIGNAGE SCHEDULE ROOM NAME SIGN TYPE	ROOM SIGN NAME NUMBER	_ROOM SIGNAGE SCHEDULE ROOM NUMBER NAME SIGN TYPE ROOM SIGN NAME NUMBER	NUMBER
A10 A11 A12	ACADEMIC CORRIDOR VESTIBULE M CORRIDOR		C102 STUDENT RESTROOM - F A G	G104 IDF G106 STA G107 MEC
A13 A14	CORRIDOR VESTIBULE		C104 STUDENT RESTROOM - M B C105 CUSTODIAL E	9108 PRE 9108B OFF
A20 A21 A22	CORRIDOR CORRIDOR CORRIDOR		C107 STUDIO D	G108C UTIL G108D RES G108F DRY
A23 A24 A25	CORRIDOR CORRIDOR VESTIBULE		C110 MECHANICAL E	\$108G STA \$108I COF \$109 BLD
A26 A100A	VESTIBULE LEARNING COMMONS		C111A PREP E C112 SCIENCE LAB D	G110 MAII G111 REC
A100B A100C A101	SCIENCE COLAB SMALL GROUP READING LAB D		C113A CHEM STOR E,H	G112 BUIL G113 BUIL G201 MEC
A102 A103	CUSTODIAL E RESOURCE D		C115 WAITING D G C115A TREATMENT D G	G202 CHIL G220 TRA
A104 A105 A106	STUDIO D STUDIO D STUDIO D		C115C COTS S	\$100 STO \$101 ELE \$102 VISI
A107 A108	MECHANICAL E SCIENCE LAB D		C117 CONFERENCE D, J	S103 COA S104 TOIL
A108A A109 A110	PREP E SCIENCE LAB D SCIENCE LAB D		C119 WORKROOM D	\$105 LOC \$106 ATH \$107 ATH
A110A A111	PREP E STUDENT RESTROOM - M B		C122 OFFICE D S	6108 HOM 6109 WOM
A112 A113 A114	STUDENT RESTROOM - U C STUDENT RESTROOM - F A ELECTRICAL E		C124 OFFICE D S	6110 MEN 6111 CON 6112 MEC
A115 A116 A117	IDF E CUSTODIAL E SHOP D			S113 FAM T100 STO
A117A A117B	TECH CLASSROOM D PROJECT STORAGE E		C129 COUNSELING RECEPTION D C129A COUNSELING CONFERENCE D	
A118 A118A A118B	SHOP D PROJECT STORAGE E TECH CLASSROOM D		C129B COUNSELING STORAGE E C130 COUNSELING OFFICE D C131 EDUCATIONAL THERAPIST D	
A118C A200A	LUMBER STORAGE E LEARNING COMMONS		C200A LEARNING COMMONS C200B LEARNING COMMONS	
A200B A201 A202	LEARNING COMMONS STORAGE E STUDIO D		C201 STUDIO D C202 STUDIO D C203 STUDIO D	
A203 A204	STUDIO D D		C204 STUDIO D C205 MECHANICAL E	
A205 A206 A207	STUDIO D MECHANICAL E STUDIO D		C206 STUDIO D C207 STUDIO D C208 RESTROOM C	
A208 A209 A210	STUDIO D READING LAB D READING LAB D		C209 STORAGE E C210 WORLD LANGUAGE D C211 WORLD LANGUAGE D	
A212 A213	RESTROOM C MEDIUM GROUP D		C212 WORLD LANGUAGE D C213 CUSTODIAL E	
A214 A215 A216	CUSTODIAL E IDF E ELEC E		C214 RESTROOM C C215 MEDIUM GROUP D C215A ELEC E	
A217 A218	ART LAB D MATERIAL STORAGE E		C215B CUSTODIAL E C216 CLASSROOM D	
A218A A219 A220	KILN E ART LAB D ART LAB D		C216A COSTUME STORAGE E C217 VIDEO / AUDIO STUDIO D C217A VESTIBULE E	
A220A B10	MATERIAL STORAGE E ACADEMIC CORRIDOR		C217B CONTROL BOOTH D C217C STORAGE E	
B10A B10F B11	STAIR 2 F LEARNING COMMONS CORRIDOR		C217D VESTIBULE D C218 IDF E C219 LAB D	
B12 B13	CORRIDOR CORRIDOR		C219A EDITING BOOTH D C219B EDITING BOOTH D	
B14 B20 B21	CORRIDOR CORRIDOR CORRIDOR		C219C EDITING BOOTH D D11 ENTRY CORRIDOR	
B22 B26	CORRIDOR CORRIDOR		D12S STAIRS 5 F D13 CORRIDOR	
B100A B100B B100C	LEARNING COMMONS COLAB SMALL GROUP D		D20 CORRIDOR D100 ENTRY VESTIBULE	
B101 B101A B102	OT/PT D OT/PT STORAGE E SLP D		D100A RECEPTION D D100B WAITING D100C STORAGE E A	
B103 B104	MATH LAB D CUSTODIAL E		D101 COMMONS D101A CHAIR & TABLE STORAGE D102 GENIUS BAR	
B105 B106 B107	RESOURCE D STUDIO D STUDIO D		D102 GENIUS BAR D D103 MEDIA CENTER D D104 SMALL GROUP D	
B108 B109 B110	STUDIO D MECHANICAL E SCIENCE LAB D		D105 SMALL GROUP D D106 RISER ROOM E D107 MEDIUM GROUP ROOM D	
B110A B111	PREP E D D		D107 MEDIOW GROOF ROOM D D108 STORAGE E D109 OFFICE D	1
B112 B112A B113	SCIENCE LAB D PREP E STUDENT RESTROOM - M B		D110 WORKROOM D110A RESTROOM D112 PLATFORM J	A13.3
B114 B115	STUDENT RESTROOM - U C STUDENT RESTROOM - F A		D112A PLATFORM STORAGE E E10 CORRIDOR	
B116 B117 B118	ELEC E		E11A CORRIDOR E11B VESTIBULE E101 CHOIR	
B119 B120 B121	FOCUS D READING LAB D LIFE SKILLS D		E102 OFFICE D E103 INSTRUMENT STORAGE E E104 ORCHESTRA D	
B121A B121B	RESTROOM C LAUNDRY E		E105 OFFICE D E106 INSTRUMENT STORAGE E	
B121C B121D B122	SENSORY D SAFE ROOM E ELL D		E107 BAND D E108 OFFICE D E109 INSTRUMENT STORAGE E	
B200 B201	LEARNING COMMONS FLEX D		E110 WEIGHTS D E111 HEALTH D	
B202 B203 B204	STORAGE E STUDIO D STUDIO D		E112 HEALTH D E113 GIRLS LOCKER D E113A VESTIBULE	
B205 B206 B207	STUDIO D STUDIO D MECHANICAL E		E113B VESTIBULE E114A COACH'S OFFICE D E114B RESTROOM C	
B207 B208 B209	STUDIO D STUDIO D		E114B RESTROOM C E115 RESTROOM C E116 BOYS LOCKER D	
B210 B211	BUSINESS D STORAGE E		E116A VESTIBULE E116B VESTIBULE	
B212 B213 B214	BUSINESS D ELEC E FOODS LAB D		E117A COACH'S OFFICE D E117B RESTROOM C E118 RESTROOM C	
B214A B215 B216	PANTRY E FACS CLASSROOM D CLOTHING / TEXTILES LAB D		E119 ELEC E E120 MDF E E121 BLDG STORAGE E	
B216A C10	STORAGE E ACADEMIC CORRIDOR		E122 MUSIC CLASSROOM D E123 WOMEN'S RESTROOM	
C10A C11 C12	STAIR 4 F CORRIDOR CORRIDOR		E124 MEN'S RESTROOM F101 COMPETITION GYM D, J F101A GYM STORAGE	
C13 C14	CORRIDOR CORRIDOR		F102 VESTIBULE F103A ATHLETIC STORAGE	
C15 C17 C18	CORRIDOR CORRIDOR VESTIBULE		F104 AUXILLARY GYM D, J, L F104A RESTROOM C	
C19 C20	VESTIBULE CORRIDOR		F104B RESTROOM C F104C GYM STORAGE E	
C21 C22 C23	CORRIDOR CORRIDOR CORRIDOR		F105 VESTIBULE F201 MECHANICAL E G05 CUSTODIAL E	
C24 C25 C27	CORRIDOR CORRIDOR		G06 STAIR E1 F G10A CORRIDOR	
C28 C100A	CORRIDOR VESTIBULE LEARNING COMMONS		G10C CORRIDOR G11 VESTIBULE	
C100B C100C C101	COLAB SMALL GROUP D SEB D		G101 DISHWASHING E G102 A LA CARTE E G103 SERVERY E	
C101	SEB D		G103 SERVERY E	

201	ROOM			DOOM CLON
R NUM	IBER NAME	SIGN TYPE	ROOM SIGN NAME	ROOM SIGN NUMBER
G104	· IDF			
G104		(D, J)		
G107		E 2/1		
G108				
G108		D		
G108		C		
G108		E		
G108		E		
G108		F		
G108				
G109		D		
G110		E		
G111	RECEIVING	E		
G112	BUILDING STORAGE	E		
G113	BUILDING STORAGE	E		
G201	MECHANICAL	E		
G202	CHILLER YARD			
G220	TRANSFORMER YARD			
S100	STORAGE	E		
S101	ELECTRICAL	E		
S102	VISITOR CHANGING	D		
S103	COACHES OFFICE	D		
S104	TOILET	С		
S105	LOCKER	D		
S106	ATHLETIC RESTROOM	С		
S107	ATHLETIC RESTROOM	С		
S108	HOME CHANGING	D		
S109	WOMEN'S TOILET	A		
S110	MEN'S TOILET	В		
S111	CONCESSIONS	E		
S112	MECH	E		
S113	FAMILY TOILET	С		
				_

_ROOM SIGNAGE SCHEDULE

ROOM SIGN NAME ROOM SIGN NUMBER

— 3/4" RAISED LETTERS FONT: FUTURA MD Project Name - Line 1 Project Name - Line 2 1" RAISED LETTERS FONT: FUTURA MD 5/8" RAISED LETTERS
_____FONT: FUTURA MD Owner's Representative Title _____1/2" RAISED LETTERS (BODY), TYP FONT: FUTURA MD Owners Representative Name Board of Education Name Last Name, Title Architect and Engineer Construction Manager General Contractor

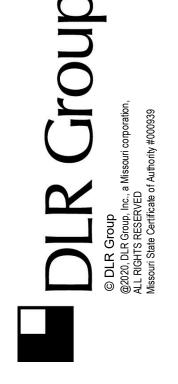
RAISED BORDER AND LETTER FINISH: BRUSHED BACKGROUND FINISH TEXTURE: TRAVERTINE

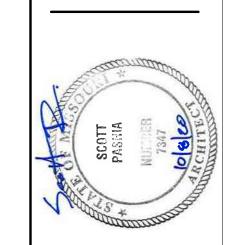
BACKGROUND COLOR: STANDARD BLACK

1 SIGN - CAST PLAQUE
A13.3 SCALE: 3" = 1'-0"

SIGNAGE GENERAL NOTES:

A. ALL SIGN TYPES, TEXT AND NUMBERS TO BE VERIFIED WITH OWNER BEFORE ORDERING SIGNAGE.





LEE'S SUMMIT R-7 SCHOOL DISTRICT

CKAGE 3 - BUILDING &

PACKAGE 3 - BUILDING & SITE

10/08/20
REVISIONS
1 CITY REVIEW 11/3/20

13-20102-00

SIGNAGE
SCHEDULE AND
DETAILS

A13.3



LEE'S SUMMIT R-7 SCHOOL DIST

PACKAGE 3 - BUILDING & 10/08/20 REVISIONS 1 CITY REVIEW

CODE ANALYSIS -SITE PLAN

CP0.0

PACKAGE 3 - BUILDING & REVISIONS CITY REVIEW

> 13-20102-00 CODE PLAN -LEVEL 01

LEE'S SUMMIT, MO 64081 OWNER NAME: LEE'S SUMMIT R-7 SCHOOL DISTRICT

OWNER CONTACT: KYLE GORRELL, DIRECTOR LSR7 FACILITY SERVICES

OWNER ADDRESS: DEPARTMENT OF LEE'S SUMMIT SCHOOL DISTRICT **FACILITY SERVICES** 502 SE TRANSPORT DRIVE LEE'S SUMMIT, MO 64081

COUNTY: JACKSON COUNTY

PROJECT LOCATION:

1001 SE BAILEY ROAD

FIRE DEPARTMENT LEE'S SUMMIT FIRE DEPARTMENT

LEE'S SUMMIT WATER UTILITIES

WATER SUPPLY:

AUTHORITY HAVING JURISDICTION: CITY OF LEE'S SUMMIT

ARCHITECT OF RECORD: DLR GROUP 7290 WEST 133RD STREET, OVERLAND PARK, KS 66213 **CODES/REGULATIONS:**

BUILDING: 2018 IBC FIRE: 2018 INTERNATIONAL FIRE CODE MECHANICAL: 2018 INTERNATIONAL MECHANICAL CODE PLUMBING: 2018 INTERNATIONAL PLUMBING CODE **ELECTRICAL: 2017 NATIONAL ELECTRICAL CODE** ACCESSIBLE STANDARD: ICC/ANSI A117.1-2017

NEW CONSTRUCTION: OCCUPANCY:

EDUCATIONAL GROUP E (SECTION 305): INSTRUCTIONAL AREAS CONSTRUCTION TYPE (SECTION 602): TYPE IIB ALLOWABLE HEIGHT (PER IBC TABLE 504.3): 75' - 0" ALLOWABLE NUMBER OF STORIES (PER TABLE 504.4): 3

SEPARATION REQUIREMENTS: BUILDING SEPARATION PER TABLE 706.4: 2-HOUR FIRE WALL *a. IN TYPE II CONSTRUCTION, WALLS SHALL BE PERMITTED TO HAVE A 2-HOUR FIRE-RESISTANCE RATING

LIFE SAFETY AUTOMATIC FIRE SUPPRESSION SYSTEM THROUGHOUT FIRE ALARMS THROUGHOUT FIRE EXTINGUISHERS THROUGHOUT **EMERGENCY LIGHTING** FIRE DEPARTMENT CONNECTIONS -SEE CIVIL AND PLUMBING PLANS FIRE ALARM ANNUNCIATOR PANEL (FAAP) - AT RECEPTION D100A FIRE ALARM CONTROL PANEL (FACP) - AT ELECTRICAL C116 SMOKE CONTROL SYSTEM: NOT APPLICABLE

MANUAL ALARMS COMMUNICATIONS AND ELECTRICAL ROOMS: NO UPS PROVIDED, NO RACK OF BATTERIES PENETRATIONS THROUGH FLOORS (PIPING, CONDUIT, ETC.): ANNULAR SPACE AROUND

PENETRATING ITEMS TO BE FILLED WITH APPROVED MATERIALS TO RESIST THE FREE PASSAGE OF FLAME AND THE PRODUCTS OF COMBUSTION, PER 2018 IBC 714.6.2 AND 718.2.5. DUCT PENETRATIONS THROUGH FLOORS: ANNULAR SPACE AROUND PENETRATING DUCT TO BE FILLED WITH AN APPROVED NON-COMBUSTIBLE MATERIAL THAT RESISTS THE FREE PASSAGE OF FLAME AND THE PRODUCTS OF COMBUSTION, PER 2018 IBC 717.6.3.2 AND 718.2.5

DI LIMBINO FIVELIDEO

OF	PLUMBING FIXTURES												
		# OCCI	JPANTS	WC I	REQ'D	WC PR	OVIDED	LAV F	REQ'D	LAV PR	OVIDED	DRINK FOUN	(ING TAINS
		<u>M</u>	<u>w</u>	REQ'D.	PROV.								
	STUDENTS/ FACULTY NOTES: CALCULATIONS BASED ON IPC 4.1 REQT'S. OCCUPANT LOAD BASED ON PROJECTED 1,200 STUDENT/ 260 FACULTY COUNT	730	730	15	15	17	17	15	15	17	17	15	20
-	MAIN GYMNASIUM - PERFORMANCE SPECIAL EVENT NOTES: COMPETITION & AUXILLARY GYMS ARE NON- SIMULTANEOUS USE FROM STUDENT OCCUPANCY. BASED ON 1,369 OCCUPANTS SEATED ON BLEACHERS AND FLOOR W/ 63 STAGE OCCUPANTS	714	714	6	12	12	12	4	4	7	7	3	6
	MAIN GYMNASIUM - ATHLETIC COMPETITION (ASSEMBLY) NOTES: COMPETITION & AUXILLARY GYMS ARE NON-SIMULTANEOUS USE FROM STUDENT OCCUPANCY. BASED ON 615 OCCUPANTS SEATED ON BLEACHERS AND 125 ATHLETES AND OFFICIALS	370	370	3	6	12	12	2	2	7	7	2	6
	BASEBALL/SOFTBALL COMPLEX (ASSEMBLY) NOTES: CALCULATIONS BASED ON IPC 4.1 REQT'S. OCCUPANT LOAD BASED ON PROJECTED MAXIMUM 600 ATHLETIC EVENT OCCUPANTS. FAMILY TOILET INCLUDED WITH FEMALE COUNTS PER 2902.1.2.	300	300	4	8	4	8	2	2	2	4	1	2
	TORNADO SHELTER NOTES: PER ICC 500 TABLE 702.2. OCCUPANT LOAD BASED ON PROJECTED 1,200 STUDENT/ 260 FACULTY COUNT. TO BE USED AS DESIGNATED STORM SHELTER FOR STUDENT/FACULTY POPULATION. CALCULATIONS BASED ON ICC-500 REQUIREMENT FOR PLUMBING FIXTURES	730	730	3	3	3	3	1	1	1	1	-	-

EXIT ACCESS STAIRWAYS AND RAMPS - TRAVEL DISTANCE ON EXIT ### - OCCUPANCY LOAD ALLOWABLE IBC 1005.1 **FACTOR** OCCUPANCY - ACCESSORY USE AREA ACCESS STAIRWAYS OR RAMPS SHALL BE INCLUDED IN THE EXIT (OCCUPANCY LOAD IS NOT INCLUDED IN LOADS BEYOND THIS ROOM) 0.15 ACCESS TRAVEL DISTANCE MEASUREMENT PER IBC 2018 1017.3.1. COMBINED OCCUPANT LOAD AT A GIVEN DOOR OR STAIR 0.15 TWO-STORY OPENINGS - OPENINGS DO NOT CONNECT MORE THAN TOTAL EXIT CAPACITY OF DOOR OR STAIR (THE CAPACITY OF DOORS ARE DETERMINED AS FOLLOWS 0.15 TWO STORIES PER IBC 712.1.9, EXCEPTION 1 CLEAR OPENING WIDTH IN INCHES DIVIDED BY 0.15 THE CAPACITY OF STAIRS ARE DETERMINED AS FOLLOWS PAIR 36" 0.15 EXIT ACCESS STAIRWAYS AND RAMPS SERVE ONLY TWO STORIES WIDTH IN INCHES DIVIDED BY 0.2 FOR SPRINKLERED PER 1005.3.1 EXCEPTION 1 PAIR 42" PER IBC 1019.3, EXCEPTION 1, AND DO NOT REQUIRE A SHAFT - COMBINED OCCUPANT LOAD AT A GIVEN DOOR. (SUM OF THESE EQUALS TOTAL OCCUPANT LOAD TOTAL EXIT CAPACITY OF DOOR PAIR 48" 0.15 ENCLOSURE. (THE CAPACITY OF DOORS ARE DETERMINED AS FOLLOWS: CLEAR OPENING WIDTH IN INCHES DIVIDED BY 0.15) PD - PANIC DEVICE XX MIN - DOOR FIRE RATING WALL SEPARATION LEGEND 2-HR DOUBLE FIRE WALL PER IBC 706.2 NFPA 221 CHAPTER 4 C = CORRIDOR SECTION 4.5 TABLE 4.5, DOUBLE WALL ASSEMBLIES, COMPOSED OF THE FOLLOWING ELEMENTS: 1/2 = 1/2 HOUR EW = EXTERIOR WALL FP = FIRE PARTITION 1-HR FIRE BARRIER, UL#U906 1-HR FIRE BARRIER, UL#U415 3 = 3 HOURFSB = FIRE/SMOKE BARRIER SP = SMOKE PARTITION FW = FIRE WALL HX = HORIZONTAL EXIT SW = SMOKE WALL SB = SMOKE BARRIER VS = VERTICAL SHAFT 829 SF VX = VERTICAL EXIT XP = EXIT PASSAGEWAY 1411 SF @ 1/50 NSF 39 **BUILDING 1 - TYPE IIB - 2 STORY** PROJECT STORAGE 20,385 SF 238 SF **SPRINKLED** 1202 SF @ 1/50 NSF EXIT ACCESS TRAVEL DISTANCE LVL 1: 135' -0" < 250' -0" (TABLE 1017.2 EXIT ACCESS TRAVEL DISTANCE) MAXIMUM COMMON PATH OF TRAVEL: 71'- 0" < 75'- 0" 34 TABLE 1006.2.1 SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY) IMAGINARY PROPERTY LINE **BUILDING 2 - TYPE IIB - 2 STORY** 41,978 SF READING LAB **SPRINKLED** 731 SF EXIT ACCESS TRAVEL DISTANCE LVL 1: 187' -0" < 250' -0" (TABLE 1017.2 EXIT ACCESS TRAVEL DISTANCE) MAXIMUM COMMON PATH OF TRAVEL: 73'- 0" < 75'- 0" DEPARTMENT TOTOAL OCC = 45 BUILDING 3 - TYPE IIB - 1 STORY + MEZZANINE 65,957 SF **SPRINKLED** PROTECTED OPENINGS OCCUPANT LOAD: 1,173 *1,173 ACCOUNTED FOR IN EXITS EXIT ACCESS TRAVEL DISTANCE LVL 1: 213' -0" < 250' -0" MAXIMUM COMMON PATH OF TRAVEL: 56'- 0" < 75'- 0" MEDIA CENTER KNOX BOX LOCATION 86 **BUILDING 5 - TYPE IIB - 1 STORY** 4,829 SF NON-SPRINKLED NONSEPARATED USE OCCUPANCY (A-5,S-2) OCCUPANT LOAD: 38 *38 ACCOUNTED FOR IN EXITS EXIT ACCESS TRAVEL DISTANCE: 42' -0" < 250' -0" MAXIMUM COMMON PATH OF TRAVEL: 15'- 0" < 75'- 0" (TABLE 1006.2.1 SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY) BUILDING 4 - TYPE IIB - 1 STORY (TORNADO SHELTER) 8,126 SF **BUILDING 6 - TYPE IIB - 1 STORY**

TYPICAL DOOR WIDTHS

EXIT ACCESS STAIRWAYS:

ALLOWABLE AREA (IBC TABLE 506.2): 26,000 SF ALLOWABLE AREA INCREASE FOR FRONTAGE (IBC 506.2.2, 506.3): *NONSEPARATED USE OCCUPANCY - ALLOWABLE AREA AND HEIGHT **BUILDING BASED ON MOST RESTRICTIVE ALLOWANCES PER 508.3.2.** IF=.4 Aa=[At + (NS * If)] * SaAa=[26, 000 + (26,000 * .4)] **TOTAL ALLOWABLE AREA PER FLOOR: 36,400 ACTUAL AREA PER FLOOR:** 4,829 SF MAXIMUM ALLOWABLE BUILDING HEIGHT: 55'-0' **ACTUAL BUILDING HEIGHT: 14'-0" BUILDING 6:** OCCUPANCY GROUP: S-2 CONSTRUCTION TYPE: IIB ALLOWABLE AREA (IBC TABLE 506.2): 26,000 SF ALLOWABLE AREA INCREASE FOR FRONTAGE (IBC 506.2.2, 506.3):

Aa=[At + (NS * If)] * Sa Aa=[26, 000 + (26,000 * .4)]

ACTUAL AREA PER FLOOR: 740 SF **ACTUAL BUILDING HEIGHT: 14'-0"**

NON-SPRINKLED

CODE PLAN, LEVEL 1

AUX. GYM STORAGE ROOM FLOOR AREA IS NOT INCLUDED IN SHELTER

EXIT ACCESS TRAVEL DISTANCE: 82' -0" < 250' -0" (TABLE 1017.2 EXIT ACCESS TRAVEL DISTANCE) TORNADO SHELTER OCCUPANT LOAD - PER ICC 500 501.1.2.2

OCCUPANT LOAD: 258

ACCOUNTED FOR IN EXITS

REQUIRED NUMBER OF WHEELCHAIR SPACES 1 PER 200 SHELTER OCCUPANTS = 8 USEABLE STORM SHELTER FLOOR AREA - SUBTRACTED WALLS, PARTITIONS, COLUMNS FIXED OR MOVEABLE EQUIPMENT FROM GROSS SQUARE FOOTAGE = 7.361 USEABLE SF 1,456 OCCUPANTS (5 SF PER) = 7,280 SF 8 WHEELCHAIR OCCUPANTS (10 SF PER) = 80 SF TOTAL OCCUPANTS = 1,464

SPRINKLED

ALLOWABLE AREA (IBC TABLE 506.2): 58,000 SF ALLOWABLE AREA INCREASE FOR FRONTAGE (IBC 506.2.2, 506.3): IF= .46 Aa=[At + (NS * If)] * Sa

BUILDING I:

IF= .6

OCCUPANCY GROUP: E

Aa=[At + (NS * If)] * Sa

LEVEL 01: 20,385 SF

LEVEL 02: 20,385 SF

OCCUPANCY GROUP: E

Aa=[At + (NS * If)] * Sa

LEVEL 01: 41,978 SF

LEVEL 02: 41,842 SF

OCCUPANCY GROUP: E

Aa=[At + (NS * If)] * Sa

LEVEL 01: 61,768 SF

OCCUPANCY GROUP: E

CONSTRUCTION TYPE: IIB

BUILDING 4:

Aa=[58,000 + (14,500 * .67)]

ACTUAL AREA PER FLOOR:

ACTUAL BUILDING HEIGHT: 32'-0"

CONSTRUCTION TYPE: IIB

BUILDING 3:

IF= .67

Aa=[43,500 + (14,500 * .26)]

ACTUAL AREA PER FLOOR:

ACTUAL BUILDING HEIGHT: 42' - 3"

CONSTRUCTION TYPE: IIB

BUILDING 2:

IF= .26

Aa=[43,500+(14,500*.6)]

ACTUAL AREA PER FLOOR:

ACTUAL BUILDING HEIGHT: 42' - 3"

CONSTRUCTION TYPE: IIB

IBC 506.3 FRONTAGE INCREASE):

ALLOWABLE AREA (IBC TABLE 506.2): 43,500 SF

ALLOWABLE AREA INCREASE FOR FRONTAGE

TOTAL ALLOWABLE AREA PER FLOOR: 52, 200

ALLOWABLE AREA (IBC TABLE 506.2): 43,500 SF

TOTAL ALLOWABLE AREA PER FLOOR: 47, 270

ALLOWABLE AREA (IBC TABLE 506.2): 58, 000 SF

TOTAL ALLOWABLE AREA PER FLOOR: 67, 715

MAXIMUM ALLOWABLE BUILDING HEIGHT: 75'-0'

MEZZANINE AND EQUIPMENT PLATFORMS: 5,718 SF

ALLOWABLE AREA INCREASE FOR FRONTAGE (IBC 506.3):

ALLOWABLE AREA INCREASE FOR FRONTAGE (IBC 506.3)

(IBC 506.2.3 SINGLE OCCUPANCY, MULTI STORY BUILDING

MAXIMUM ALLOWABLE BUILDING HEIGHT (PER TABLE 504.3): 75' - 0"

MAXIMUM ALLOWABLE BUILDING HEIGHT (PER TABLE 504.3): 75' - 0"

Aa=[58,000 + (14,500 * .46)]**TOTAL ALLOWABLE AREA PER FLOOR: 64,670**

ACTUAL AREA PER FLOOR: LEVEL 01: 8,126 SF MAXIMUM ALLOWABLE BUILDING HEIGHT: 75'-0'

ACTUAL BUILDING HEIGHT: 32'-0" BUILDING 5: OCCUPANCY GROUP: S-2

CONSTRUCTION TYPE: IIB

TOTAL ALLOWABLE AREA PER FLOOR: 36,400 MAXIMUM ALLOWABLE BUILDING HEIGHT: 55'-0'

SYMBOL LEGEND

CP1.2

 TYPICAL DOOR WIDTHS

 DOOR WIDTH
 CLEAR WIDTH
 IBC 1005.1 FACTOR
 ALLOWABLE OCCUPANCY

 36"
 33"
 0.15
 220

 42"
 39"
 0.15
 260

 48"
 45"
 0.15
 300

 PAIR 36"
 64"
 0.15
 426

 PAIR 42"
 76"
 0.15
 506

 PAIR 48"
 88"
 0.15
 586

TOTAL EXIT CAPACITY OF DOOR

(THE CAPACITY OF DOORS ARE DETERMINED AS FOLLOWS

CLEAR OPENING WIDTH IN INCHES DIVIDED BY 0.15)

SYMBOL LEGEND

- OCCUPANCY LOAD

- ACCESSORY USE AREA

- PANIC DEVICE

WALL SEPARATION LEGEND

WALL SEPARA	ATION LEGEN	עו	
WALL HOURLY RATING		WALL	FIRE RATING TYPE
0 = 0 HOUR		C =	CORRIDOR
1/2 = 1/2 HOUR		EW =	EXTERIOR WALL
1 = 1 HOUR		FB =	FIRE BARRIER
2 = 2 HOUR		FP =	FIRE PARTITION
3 = 3 HOUR		FSB	= FIRE/SMOKE BARRIER
SP = SMOKE PARTITION		FW =	FIRE WALL
SW = SMOKE WALL		HX =	HORIZONTAL EXIT
		SB =	SMOKE BARRIER
		VS =	VERTICAL SHAFT
		VX =	VERTICAL EXIT
		YP -	EXIT DASSACEWAY

(OCCUPANCY LOAD IS NOT INCLUDED IN LOADS BEYOND THIS ROOM)

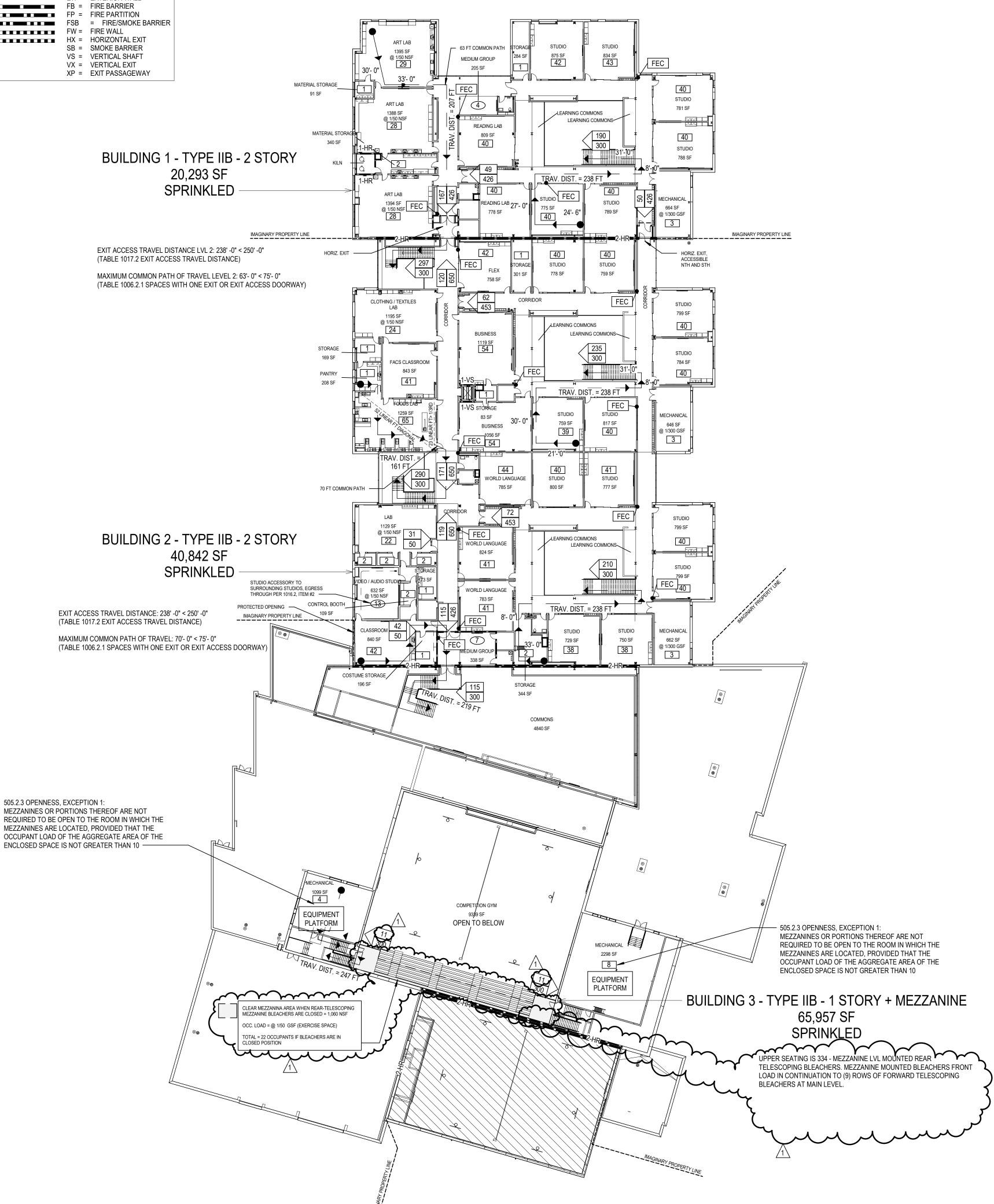
WIDTH IN INCHES DIVIDED BY 0.2 FOR SPRINKLERED PER 1005.3.1 EXCEPTION

O - COMBINED OCCUPANT LOAD AT A GIVEN DOOR OR STAIR

CLEAR OPENING WIDHT IN INCHES DIVIDED BY 0.15
THE CAPACITY OF STAIRS ARE DETERMINED AS FOLLOWS

(THE CAPACITY OF DOORS ARE DETERMINED AS FOLLOWS:

TOTAL EXIT CAPACITY OF DOOR OR STAIR



BUILDING I:
OCCUPANCY GROUP: E
CONSTRUCTION TYPE: IIB
ALLOWABLE AREA (IBC TABLE 506.2): 43,500 SF
ALLOWABLE AREA INCREASE FOR FRONTAGE
(IBC 506.2.3 SINGLE OCCUPANCY, MULTI STORY BUILDING IBC 506.3 FRONTAGE INCREASE):

IF= .6 Aa=[At + (NS * If)] * Sa Aa=[43,500+(14,500*.6)]

TOTAL ALLOWABLE AREA PER FLOOR: 52, 200
ACTUAL AREA PER FLOOR:
LEVEL 01: 20,385 SF
LEVEL 02: 20,385 SF

MAXIMUM ALLOWABLE BUILDING HEIGHT (PER TABLE 504.3): 75' - 0" ACTUAL BUILDING HEIGHT: 42' - 3"

BUILDING 2: OCCUPANCY GROUP: E CONSTRUCTION TYPE: IIB ALLOWABLE AREA (IBC TABLE 506.2): 43,500 SF ALLOWABLE AREA INCREASE FOR FRONTAGE (IBC 506.3):

IF= .26 Aa=[At + (NS * If)] * Sa Aa=[43,500 + (14,500 * .26)]

TOTAL ALLOWABLE AREA PER FLOOR: 47, 270
ACTUAL AREA PER FLOOR:
LEVEL 01: 41,978 SF
LEVEL 02: 41,842 SF

MAXIMUM ALLOWABLE BUILDING HEIGHT (PER TABLE 504.3): 75' - 0" ACTUAL BUILDING HEIGHT: 42' - 3"

BUILDING 3:

OCCUPANCY GROUP: E

CONSTRUCTION TYPE: IIB

ALLOWABLE AREA (IBC TABLE 506.2): 58, 000 SF

ALLOWABLE AREA INCREASE FOR FRONTAGE (IBC 506.3):

IF= .67 Aa=[At + (NS * If)] * Sa Aa=[58,000 + (14,500 * .67)]

TOTAL ALLOWABLE AREA PER FLOOR: 67, 715
ACTUAL AREA PER FLOOR:
LEVEL 01: 61,768 SF
MEZZANINE AND EQUIPMENT PLATFORMS: 5,718 SF

MAXIMUM ALLOWABLE BUILDING HEIGHT: 75'-0' ACTUAL BUILDING HEIGHT: 32'-0"

BUILDING 4:
OCCUPANCY GROUP: E
CONSTRUCTION TYPE: IIB
ALLOWABLE AREA (IBC TABLE 506.2): 58,000 SF
ALLOWABLE AREA INCREASE FOR FRONTAGE (IBC 506.2.2, 506.3):

IF= .46 Aa=[At + (NS * If)] * Sa Aa=[58,000 + (14,500 * .46)]

Aa=[26,000 + (26,000 * .4)]

TOTAL ALLOWABLE AREA PER FLOOR: 64,670
ACTUAL AREA PER FLOOR: LEVEL 01: 8,126 SF

MAXIMUM ALLOWABLE BUILDING HEIGHT: 75'-0' ACTUAL BUILDING HEIGHT: 32'-0"

BUILDING 5:
OCCUPANCY GROUP: S-2
CONSTRUCTION TYPE: IIB
ALLOWABLE AREA (IBC TABLE 506.2): 26,000 SF
ALLOWABLE AREA INCREASE FOR FRONTAGE (IBC 506.2.2, 506.3):
*NONSEPARATED USE OCCUPANCY - ALLOWABLE AREA AND HEIGHT OF
BUILDING BASED ON MOST RESTRICTIVE ALLOWANCES PER 508.3.2.
IF=.4
Aa=[At + (NS * If)] * Sa

TOTAL ALLOWABLE AREA PER FLOOR: 36,400
ACTUAL AREA PER FLOOR: 4,829 SF
MAXIMUM ALLOWABLE BUILDING HEIGHT: 55'-0'
ACTUAL BUILDING HEIGHT: 14'-0"

BUILDING 6:
OCCUPANCY GROUP: S-2
CONSTRUCTION TYPE: IIB
ALLOWABLE AREA (IBC TABLE 506.2): 26,000 SF
ALLOWABLE AREA INCREASE FOR FRONTAGE (IBC 506.2.2, 506.3):
IF=.4
Aa=[At + (NS * If)] * Sa
Aa=[26, 000 + (26,000 * .4)]

TOTAL ALLOWABLE AREA PER FLOOR: 36,400
ACTUAL AREA PER FLOOR: 740 SF
MAXIMUM ALLOWABLE BUILDING HEIGHT: 55'-0'
ACTUAL BUILDING HEIGHT: 14'-0"

PACKAGE 3 - BUILDING & SITE 10/08/20 REVISIONS ADDENDUM 002

KEY PLAN

13-20102-00 HVAC FIRST LEVEL PLAN -AREA S

Oct 19 2020 CARL J. HOLDEN LICENSE # PE-2020016283

MECHANICAL PLAN NOTES:

MAINTAINED.

6 CHASE.

ELECTRICAL EQUIPMENT.

M13 REFRIGERATION PIPING, ELECTRICAL POWER, AND CONTROL WIRING FOR SPLIT SYSTEM SHOWN FOR

STARTING WORK. ENSURE ALL MANUFACTURERS RECOMMENDED REFRIGERATION DISTANCES ARE

M36 MOUNT TRANSFER GRILLES CENTERED ABOVE DOOR.

M15 PROVIDE HIGH AND LOW TRANSFER GRILLE FOR PIPE

M15 PROVIDE LOCKING MANUAL DAMPER IN TRANSFER DUCT.

M37 END DUCT OPEN COVER WITH 1/2" WIRE MESH.

M34 COORDINATE FINAL PLACEMENT OF FAN AND ASSOCIATED DUCTWORK WITH ALL REQUIRED NEC CLEARANCES OF

REFERENCE ONLY. COORDINATE EXACT ROUTING PRIOR TO

1/8" = 1'-0"

12"x6" EG-3 280 CFM 8"x4" RG-2

FAMILY TOILET

MECHANICAL SCHEDULES

												AIR HA	ANE	DLIN	1G L	JNIT	SCH	HED	ULE	= ((CHILLEI	D W	ATE	ER C)LIN	G, F	TOF	WA	NTE	RF	IEATI	NG))										
						SUPPL	Y FAN													Ċ	COOLING COIL											HEA	ATING CO	IL						FILTERS		ELECTRICAL		
									Supply								EAT		LAT																				FIN	IAL FILTERS	S			
						F0D	T00		Fan			05 450 1411			011						EL OVAZ BIAZE LIVAZE	MAX		MAX	MAX	DOMO	NO 05		EAT	LAT (°F	FLOW		MA)		/ MAX		•	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				DIOO	MEIOLIT	
MARK N	MANUFACTURER	MODEL	UNIT TYPE	FAN TYPE	CEM	(IN)	TSP (IN)	BHP	tv	AIRFLOW	SF MIN OA	SF ABS MIN	V/DH	TH (MBH	SH (MBH)	(°F DB)	(°F WB) (°E DE	2) (°⊏\	M/B)	FLOW EWT LWT	WPD	VALVE Cv	E APD (IN)	VEL (FPM)	ROWS/ FPI		CAP (MBH	,	LAI (°F	- (GPM	EWT LW	T WP[D VALV) Cv	I		ROWS I) FPI	/ NO OF COILS	MER	V SP LO		DISC TYPE VOLTAGE	WEIGHT (LBS)	NOTES
	DAIKIN	CAH031GDCM			O	2.0	(/		1 '	12,000	7300 CFM	5190 CFM	460/3	((****		69.3	54.5	53	3.9	98 44 °F 56 °F	18.00		+ ` ' +	550 FPM		2	551.2	21.1	60.6	34.0	130 °F 98.8	°F 18.0		,		·	2	13	0.2		FUSED 480 V	5767	A-T
74101	D) (IIXIIV	0/1/100 / ODOW	VAV	'\	3000	2.0	7.2	2.5	•	12,000	7300 01 101	3 130 OI W	400/0	, 331.0	330.2	04.5 1	00.0	04.5			GPM 1 30	10.00	17.5	0.5	550 T T W	0,0	2	551.2	21.1	00.0	34.0	130 1 30.0	1 10.0	0.5	0.1	. 000	1,10			0.2		100LD 400 V	3,0,	//-1
AHU 2	DAIKIN	CAH031GDCM	MZ VAV	AF	3125	2.0	4.2	3.0 4	,	12,500	7325 CFM	4100 CFM	460/3	668.8	461.0	88.4 °F	71.3	53.8	53	3.4	152 44 °F 56 °F GPM	18.00	48.4	1.0	550 FPM	8/9	2	545.5	23.4	60.4	33.4	130 °F 99.1	°F 18.0	6.1	0.13	3 600	1/11	2	13	0.3	30 F	FUSED 460 V	5664	A-T
AHU 3	DAIKIN	CAH034GDCM	MZ VAV	AF	4400	2.0	4.1	4.2 4	1	13,200	6100 CFM	3150 CFM	460/3	631.8	451.3	86.0 °F	69.8	54.3	53	3.9	111 44 °F 56 °F GPM	18.00	45.1	0.9	550 FPM	6/12	2	434.9	33.2	60.0	25.8	130 °F 100.0	°F 18.0	6.4	0.12	2 600	1/10	2	13	0.2	29 F	FUSED 460 V	5828	A-T
AHU 4	DAIKIN	CAH030GDCM	MZ VAV	AF	2875	2.0	4.1	2.8 4	1	11,500	6650 CFM	4800 CFM	460/3	615.3	432.8	89.1 °F	71.3	54.5	53	3.9	107 44 °F 56 °F GPM	18.00	42.3	0.9	550 FPM	8/8	2	495.8	22.1	60.4	31.8	130 °F 99.1	°F 18.0	5.6	0.13	3 600	1/11	2	13	0.2	28 F	FUSED 460 V	5446	2 { A-U }
AHU 5	DAIKIN	CAH031GDCM	MZ VAV	AF	2875	2.0	4.0	2.8 4	1	11,500	7025 CFM	3150 CFM	460/3	627.4	438.9	89.6 °F	71.6	54.3	53	3.7	110 44 °F 56 °F GPM	18.00	44.4	0.9	550 FPM	8/8	2	527.0	33.5	60.5	33.5	130 °F 98.9	°F 18.0	5.9	0.1	1 600	1/10	2	13	0.2	28 F	FUSED 460 V	5608	A-T
AHU 6	DAIKIN	CAH030GDCM	MZ VAV	AF	2875	2.0	4.1	2.8 4	1	11,500	6350 CFM	2000 CFM	460/3	603.7	427.5	87.0 °F	70.0	54.4	53	3.8	127 44 °F 56 °F GPM	18.00	42.6	0.9	550 FPM	8/8	2	474.6	24.3	60.6	29.9	130 °F 98.8	°F 18.0	5.5	0.12	2 600	1/10	2	13	0.2	28 F	FUSED 460 V	5432	A-T
AHU 7	DAIKIN	CAH031GDCM	MZ VAV	AF	3125	2.0	4.1	3.0 4	1	12,500	7675 CFM	2725 CFM	460/3	650.1	475.1	86.8 °F	69.2	54.4	53	3.7	130 44 °F 56 °F GPM	18.00	45.5	0.9	550 FPM	8/8	2	573.1	35.9	60.5	16.0	130 °F 99.0	°F 18.0	5.9	0.1	1 600	1/10	2	13	0.2	28 F	FUSED 460 V	5801	A-T
AHU 8	DAIKIN	CAH027GDCM	MZ VAV	AF	2750	2.0	4.1	2.6 4	1	11,000	4900 CFM	1675 CFM	460/3	500.5			71.1	54.4	53	3.9	132 44 °F 56 °F GPM	18.00	38	0.9	550 FPM	8/8	2	353.2	32.9	60.5	21.7	130 °F 98.9	°F 18.0	5.1	0.12	2 600	1/10	2	13	0.2	28 F	FUSED 460 V	5297	A-T 2
AHU 9	DAIKIN	CAH016GDCM	SZ VAV	AF	3500	2.0	4.2	3.3 2	2 7	7,000	3540 CFM	2000 CFM	460/3	389.8	261.7	89.4 °F	70.9	54.4	53	3.8	82 44 °F 56 °F GPM	18.00	19.7	0.8	550 FPM	8/8	2	237.5	16.0	60.6	31.5	130 °F 98.9	°F 18.0	8.2	0.20	600	1/10	2	13	0.2	25 F	FUSED 460 V	3770	A-T,V
AHU 10	DAIKIN	CAH016GDCM	SZ VAV	AF	3500	2.0	4.2	3.5	2 7	7,000	3475 CFM	450 CFM	460/3	371.2	248.2	87.1 °F	71.2	54.5	53	3.8	84 44 °F 56 °F GPM	18.00	19.7	0.9	550 FPM	8/8	2	232.0	29.3	91.2	31.5	130 °F 99.2	°F 18.0	8.2	0.20	600	3/12	2	13	0.2	25 F	FUSED 460 V	3770	A-T,V
AHU 11	DAIKIN	CAH011GDCM	SZ VAV	AF	2700	2.0	4.3	2.7 2	2 !	5,400	3450 CFM	3450 CFM	460/3	286.7	212.1	90.6 °F	71.2	54.5	53	3.4	65 44 °F 56 °F GPM	18.00	15	1.0	550 FPM	8/9	2	252.3	16.8	90.7	28.8	130 °F 99.6	°F 18.0	6.3	0.29	9 600	3/12	2	13	0.2	28 F	FUSED 460 V	3174	A-T,V
AHU 12	DAIKIN	CAH016GDCM	SZ VAV	AF	3950	2.0	4.3	3.5	2 7	7,900	1425 CFM	1425 CFM	460/3	232.2	222.7	80.6 °F	66.9	54.5	53	3.8	61 44 °F 56 °F GPM	18.00	21.9	1.0	550 FPM	8/9	2	80.6	55.9	91.2	25.3	130 °F 99.2	°F 18.0	9.1	0.34	4 600	3/12	2	13	0.2	28 F	FUSED 460 V	3944	A-T
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MODEL NUMBERS SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND MODEL NUMBERS ONLY. REVIEW THE COMPLETE DESCRIPTION, NOTES AND SPECIFICATIONS TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE MANUFACTURERS LISTED ARE THE BASIS FOR THE DESIGN.

DISCONNECT SWITCH PROVIDED BY DIVISION 26 CONTRACTOR.

DIVISION 26 CONTRACTO

ECONOMIZER AIR, AND MIXED AIR OPENING SHALL BE 0.3 INCHES W.C. PROVIDE MOTOR HORSEPOWER TO OVERCOME INTERNAL UNIT STATIC PRESSURE DROP PLUS SPECIFIED EXTERNAL STATIC PRESSURE DROP. NOMINAL MOTOR HP SHALL BE NO LARGER THAN THE FIRST AVAILABLE NOMINAL MOTOR SIZE GREATER THAN THE REQUIRED BHP.[See Designer Note 9]

DIVISION 28 CONTRACTOR SHALL PROVIDE SMOKE DETECTORS IN RETURN AIR DUCT(S). UNIT SHALL BE DRAW THRU CONFIGURATION.

PROVIDE WITH MANUFACTURE SUPPLIED EQUIPMENT SUPPORT. SELECT EQUIPMENT FOR ELEVATION OF 1000 FEET ABOVE SEA LEVEL.

ABS. MIN. O/A IS THE ABSOLUTE MINIMUM OUTSIDE AIR CFM USING VENTILATION RESET OR DEMAND CONTROL VENTILATION. DIVISION 23 TEMPERATURE CONTROLS CONTRACTOR SHALL PROVIDE CONTROL VALVE SIZED USING THE SCHEDULED CONTROL VALVE AUTHORITY FLOW COEFFICIENT (Cv).

2\S. PROVIDE RETURN AIR DAMPERS AND A SPLIT OUTSIDE AIR DAMPER SECTION. SIZE ONE OUTSIDE AIR SECTION FOR THE MIN O/A CFM. SIZE THE SECOND OUTSIDE AIR SECTION FOR ECONOMIZER OPERATION.

T. VALVE CV IS BASED ON SPECIFIC GRAVITY OF WATER. MANUFACTURER TO PROVIDE THREE-WAY CONTROL VALVE FOR THE HOT WATER HEATING COIL.

H-2 EAST VESTIBULE STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C, E H-3 G11 VESTIBULE STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C, E	HI-1 D100 ENTRY VESTIBULE STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-2 EAST VESTIBULE STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-3 G11 VESTIBULE STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-4 G111 RECEIVING STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-4 G111 RECEIVING STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERL	ARK	LOCATION	MANUFACTURER	MODEL	MIN OUT	EAT	LAT	FLOW	EWT	LWT	MAX WPD	CFM	MOTOR	V/PH	DISC	NOTES
UH-1 D100 ENTRY VESTIBULE STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C, E UH-2 EAST VESTIBULE STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C, E UH-3 G11 VESTIBULE STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C, E UH-4 G111 RECEIVING STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C, E UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C, E UH-13 D106 RISER ROOM STERLING W-1070-02	UH-1 D100 ENTRY VESTIBULE STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-2 EAST VESTIBULE STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-3 G11 VESTIBULE STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-4 G111 RECEIVING STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STE					(MBH)	(°F)	(°F)	(GPM)	(°F)	(°F)	(FT)		HP		TYPE	~~~
UH-3 G11 VESTIBULE STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C, E UH-4 G111 RECEIVING STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-D UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C, E UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C, E	UH-3 G11 VESTIBULE STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-4 G111 RECEIVING STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 P1.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 P1.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 P1.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 P1.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 P1.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 P1.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 P1.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER ROOM STERLING W-1070-02 P1.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C UH-13 D106 RISER RO	UH-1	D100 ENTRY VESTIBULE	STERLING	W-1070-02	9.4	60	97.8	1.89	130	120	0.2	230	1/15	120/1	NF	
UH-4 G111 RECEIVING STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-D UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-C, E	UH-4 G111 RECEIVING STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-CODEL NUMBERS SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND MODEL NUMBERS ONLY. REVIEW THE COMPLETE DESCRIPTION, NOTES AND SPECIFICATIONS TO TERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE MANUFACTURERS LISTED ARE THE BASIS FOR THE DESIGN. PROVIDE WITH WALL MOUNTED THERMOSTAT. PROVIDE NECESSARY MOUNTING BRACKET AND ACCESSORIES FOR WALL MOUNTING.	UH-2	EAST VESTIBULE	STERLING	W-1070-02	9.4	60	97.8	1.89	130	120	0.2	230	1/15	120/1	NF	
UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF (A-C, E	UH-13 D106 RISER ROOM STERLING W-1070-02 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF A-CODEL NUMBERS SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND MODEL NUMBERS ONLY. REVIEW THE COMPLETE DESCRIPTION, NOTES AND SPECIFICATIONS TO ETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE MANUFACTURERS LISTED ARE THE BASIS FOR THE DESIGN. PROVIDE WITH WALL MOUNTED THERMOSTAT. PROVIDE NECESSARY MOUNTING BRACKET AND ACCESSORIES FOR WALL MOUNTING.	UH-3	G11 VESTIBULE	STERLING	W-1070-02	9.4	60	97.8	1.89	130	120	0.2	230	1/15	120/1	NF	A-C, E
*UH-13 * * D106 RISER ROOM* * STERLING * W-1070-02 * 9.4 60 97.8 1.89 130 120 0.2 230 1/15 120/1 NF (A-C, E)	ODEL NUMBERS SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND MODEL NUMBERS ONLY. REVIEW THE COMPLETE DESCRIPTION, NOTES AND SPECIFICATIONS TO ETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE MANUFACTURERS LISTED ARE THE BASIS FOR THE DESIGN. OTES: PROVIDE WITH WALL MOUNTED THERMOSTAT. PROVIDE NECESSARY MOUNTING BRACKET AND ACCESSORIES FOR WALL MOUNTING.	2\ UH-4	G111 RECEIVING	STERLING			60	97.8	1.89	130	120	0.2	230	1/15		NF -	A-D
DEL NUMBERS SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND MODEL NUMBERS ONLY. REVIEW THE COMPLETE DESCRIPTION, NOTES AND SPECIFICATIONS TO	TERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE MANUFACTURERS LISTED ARE THE BASIS FOR THE DESIGN. PROVIDE WITH WALL MOUNTED THERMOSTAT. PROVIDE NECESSARY MOUNTING BRACKET AND ACCESSORIES FOR WALL MOUNTING.	VIII 42	DAGE PICED BOOM	CTEDLING CO	W 1070 02		60	07.9	1.00	120	120	0.2			120/1	A A A A	
	PROVIDE WITH WALL MOUNTED THERMOSTAT. PROVIDE NECESSARY MOUNTING BRACKET AND ACCESSORIES FOR WALL MOUNTING.	UH-13	D106 RISER ROOM	STERLING	W-1070-02								230	1/15	120/1	NĚ	A-C, E
	PROVIDE NECESSARY MOUNTING BRACKET AND ACCESSORIES FOR WALL MOUNTING.	UH-13 ODEL NUME	BERS SHALL NOT BE CONSIDERE	ED COMPLETE AND MATER	RIAL SHALL NOT BE	ORDERED BY	MANUFAC	CTURER A	ND MODE	L NUMBE		mm	230	1/15	120/1	NF	A-C, E
TES:		UH-13 ODEL NUME ETERMINE 1	BERS SHALL NOT BE CONSIDERE	ED COMPLETE AND MATER	RIAL SHALL NOT BE	ORDERED BY	MANUFAC	CTURER A	ND MODE	L NUMBE		mm	230	1/15	120/1	NF	A-C, E
		UH-13 ODEL NUME ETERMINE I	BERS SHALL NOT BE CONSIDERE THE EXACT MATERIAL AND ACCE	ED COMPLETE AND MATER ESSORIES TO BE ORDERE	RIAL SHALL NOT BE	ORDERED BY	MANUFAC	CTURER A	ND MODE	L NUMBE		mm	230	1/15	120/1	NF	A-C, E
PROVIDE WITH WALL MOUNTED THERMOSTAT.	PROVIDE FACTORY MOUNTED DISCONNECT INSTALLED ON SERVICE SIDE OF UNIT.	UH-13 IODEL NUME ETERMINE 1 OTES: . PROVIDE	BERS SHALL NOT BE CONSIDERE THE EXACT MATERIAL AND ACCE	ED COMPLETE AND MATER ESSORIES TO BE ORDERE STAT.	RIAL SHALL NOT BE D. THE MANUFACT	ORDERED BY URERS LISTED	MANUFAC	CTURER A	ND MODE	L NUMBE		mm	230	1/15	120/1	NF	A-C, E
PROVIDE WITH WALL MOUNTED THERMOSTAT.		UH-13 ODEL NUME ETERMINE I OTES: PROVIDE PROVIDE PROVIDE	BERS SHALL NOT BE CONSIDERE THE EXACT MATERIAL AND ACCE WITH WALL MOUNTED THERMO NECESSARY MOUNTING BRACK FACTORY MOUNTED DISCONNE	ED COMPLETE AND MATER ESSORIES TO BE ORDERE STAT. ET AND ACCESSORIES FO ECT INSTALLED ON SERVICE	RIAL SHALL NOT BE D. THE MANUFACT DR WALL MOUNTING	ORDERED BY URERS LISTED	MANUFAC	CTURER A	ND MODE	L NUMBE		mm	230	1/15	120/1	NF	A-C, E

			L	OUVE	K SCF	HEDUL	-⊏				
MARK	AREA SERVED	SERVICE	MANUFACTURER	MODEL	WIDTH (IN)	LENGTH (IN)	Flow	MIN FREE AREA (SF)	MAX VEL (FPM)	MAX APD (IN W.C.)	NOTES
EL 1	AHU1	EXHAUST	RUSKIN	ELF6350DMP	72"	66"	12000 CFM	21.68	550 FPM	0.10 in-wg	A-E
IL 1	AHU1	INTAKE	RUSKIN	ELF6350DMP	72"	66"	12000 CFM	21.68	550 FPM	0.05 in-wg	A-E
IL 2	AHU2	INTAKE	RUSKIN	ELF6350DMP	72"	66"	12500 CFM	21.68	580 FPM	0.05 in-wg	A-E
EL 2	AHU2	EXHAUST	RUSKIN	ELF6350DMP	72"	66"	12500 CFM	21.68	580 FPM	0.01 in-wg	A-E
EL 3	AHU3	EXHAUST	RUSKIN	ELF6350DMP	72"	66"	13200 CFM	21.68	610 FPM	0.05 in-wg	A-E
IL 3	AHU3	INTAKE	RUSKIN	ELF6350DMP	72"	66"	13200 CFM	21.68	610 FPM	0.01 in-wg	A-E
EL 4	AHU4	EXHAUST	RUSKIN	ELF6350DMP	72"	66"	11500 CFM	21.68	530 FPM	0.10 in-wg	A-E
IL 4	AHU4	INTAKE	RUSKIN	ELF6350DMP	72"	66"	11500 CFM	21.68	530 FPM	0.05 in-wg	A-E
IL 5	AHU5	INTAKE	RUSKIN	ELF6350DMP	72"	66"	11500 CFM	21.68	530 FPM	0.05 in-wg	A-E
EL 5	AHU5	EXHAUST	RUSKIN	ELF6350DMP	72"	66"	11500 CFM	21.68	530 FPM	0.01 in-wg	A-E
EL 6	AHU6	EXHAUST	RUSKIN	ELF6350DMP	72"	66"	11500 CFM	21.68	530 FPM	0.01 in-wg	A-E
IL 6	AHU6	INTAKE	RUSKIN	ELF6350DMP	72"	64"	11500 CFM	21.68	530 FPM	0.01 in-wg	A-E
IL 7	AHU 7	INTAKE	RUSKIN	L375D	70"	60"	11000 CFM	14.64	750 FPM	0.05 in-wg	A-E
EL 7	AHU 7	EXHAUST	RUSKIN	L375D	78"	54"	11000 CFM	15.86	690 FPM	0.05 in-wg	A-E
IL 8	AHU 8	INTAKE	RUSKIN	L375D	70"	60"	12500 CFM	14.64	850 FPM	0.05 in-wg	A-E
EL 8	AHU 8	EXHAUST	RUSKIN	L375D	78"	54"	12500 CFM	15.86	790 FPM	0.05 in-wg	A-E
EL 9	AHU 9	EXHAUST	RUSKIN	L375D	42"	54"	7000 CFM	8.14	860 FPM	0.05 in-wg	A-E
EL 10	AHU 10	EXHAUST	RUSKIN	L375D	42"	54"	7000 CFM	8.14	860 FPM	0.05 in-wg	A-E
EL 11	AHU 11	EXHAUST	RUSKIN	L375D	36"	54"	5400 CFM	6.91	780 FPM	0.05 in-wg	A-E
EL 12	AHU 12	EXHAUST	RUSKIN	L375D	36"	72"	7900 CFM	9.51	830 FPM	0.05 in-wg	A-E
LV 15	G107	INTAKE	RUSKIN	L375D	24"	42"	2360 CFM	3.37	700 FPM	0.05 in-wg	A-E
LV 12	MECHANICAL ROOM	INTAKE	RUSKIN	L375D	24"	30"	925 CFM	2.24	410 FPM	0.05 in-wg	A-E
LV 4	SHELTER	VENTILATION	RUSKIN	ELF375DX	48"	78"	12000 CFM	14.36	840 FPM	0.05 in-wg	A-E
LV 2	SHELTER	VENTILATION	RUSKIN	ELF375DX	48"	78"	0 CFM	14.36	0 FPM	0.05 in-wg	A-E
LV 3	SHELTER	VENTILATION	RUSKIN	XP500	48"	78"	0 CFM	12.42	0 FPM	0.05 in-wg	A-E
LV 1	SHELTER	VENTILATION	RUSKIN	XP500	48"	78"	0 CFM	12.42	0 FPM	0.05 in-wg	A-E
LV 5	SHELTER	VENTILATION	RUSKIN	ELF375DX	48"	66"	0 CFM	14.36	0 FPM	0.05 in-wg	A-E
LV 8	SHELTER	VENTILATION	RUSKIN	ELF375DX	48"	66"	0 CFM	14.36	0 FPM	0.05 in-wg	A-E
LV 9	SHELTER	VENTILATION	RUSKIN	ELF375DX	48"	66"	0 CFM	14.36	0 FPM	0.05 in-wg	A-E
LV 12	SHELTER	VENTILATION	RUSKIN	ELF375DX	48"	66"	0 CFM	14.36	0 FPM	0.05 in-wg	A-E
LV 6	SHELTER	VENTILATION	RUSKIN	XP500	48"	66"	0 CFM	12.42	0 FPM	0.05 in-wg	A-E
LV 7	SHELTER	VENTILATION	RUSKIN	XP500	48"	66"	0 CFM	12.42	0 FPM	0.05 in-wg	A-E
LV 10	SHELTER	VENTILATION	RUSKIN	XP500	48"	66"	0 CFM	12.42	0 FPM	0.05 in-wg	A-E
LV 11	SHELTER	VENTILATION	RUSKIN	XP500	48"	66"	0 CFM	12.42	0 FPM	0.05 in-wg	A-E
LV 13	SHELTER	VENTILATION	RUSKIN	L375D	84"	66"	0 CFM	20.99	0 FPM	0.05 in-wg	A-E
LV 14	SHELTER	VENTILATION	RUSKIN	L375D	84"	66"	0 CFM	20.99	0 FPM	0.05 in-wg	A-E

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PROVIDE 1/2" MESH BIRD SCREEN. PROVIDE ANODIZED FINISH. COLOR AS SELECTED BY ARCHITECT.

FRAME TYPE SHALL MATCH WALL CONSTRUCTION, COORDINATE WITH ARCHITECT. PROVIDE WITH INTEGRAL 120V MOTOR OPERATED DAMPER.

		UN	NIT HEA	TER S	SCH	IED	ULE	(H)	YDR	CONIC)				
MARK	LOCATION	MANUFACTURER	MODEL	MIN OUT	EAT	LAT	FLOW	EWT	LWT	MAX WPD	CFM	MOTOR	V/PH	DISC	NOTES
				(MBH)	(°F)	(°F)	(GPM)	(°F)	(°F)	(FT)		HP		TYPE	~~~
UH-5	G201	STERLING	HS-108A	8.3	60	91	8.0	130	110	0.8	245	16 W	120/1	NF	(A-D
UH-6	G201	STERLING	HS-108A	8.3	60	91	8.0	130	110	0.8	245	16 W	120/1	NF	(A-D
UH-7	G201	STERLING	HS-108A	8.3	60	91	8.0	130	110	0.8	245	16 W	120/1	NF	A-D
UH-8	G201	STERLING	HS-108A	8.3	60	91	8.0	130	110	0.8	245	16 W	120/1	NF	A-D
UH-9	F201	STERLING	HS-108A	8.3	60	91	0.8	130	110	0.8	245	16 W	120/1	NF	A-D
UH-10	F201	STERLING	HS-108A	8.3	60	91	8.0	130	110	0.8	245	16 W	120/1	NF	A-D
UH-11	SOUTH-EAST STARIWELL	STERLING	HS-108A	8.3	60	91	0.8	130	110	0.8	245	16 W	120/1	NF	A -D
UH-12	SOUTH-WEST STAIRWELL	STERLING	HS-108A	8.3	60	91	0.8	130	110	0.8	245	16 W	120/1	NF	A-D
	<u> </u>	· · · · · · · · · · · · · · · · · · ·		•								-			1 4 4

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A. PROVIDE WITH WALL MOUNTED THERMOSTAT.

B. PROVIDE NECESSARY MOUNTING BRACKET AND ACCESSORIES FOR CEILING MOUNTING.

C. PROVIDE FACTORY MOUNTED DISCONNECT INSTALLED ON SERVICE SIDE OF UNIT.

D. PROVIDE WITH TWO-WAY CONTROL VALVE.

						FAN :	SCHEDULE							
PLAN MARK	MANUFACTURER	SERVICE	MOUNTING TYPE	MODEL	AIR FLOW	FAN ESP	FAN HP	FAN RPM	VFD (Y/N)	FAN DRIVE (BELT/DIR ECT)	VOLT/PHASE	DISCONNECT TYPE	WEIGHT	NOTES
EF 1	GREENHECK	ART LAB 220	ROOF	G-099-VG	980 CFM	0.35 in-wg	0.17	1557	No	DIRECT	120/1	NF	38 lb	A,C,E,G,H,J
EF 2	GREENHECK	ART LAB 219	ROOF	G-103-VG	975 CFM	0.35 in-wg	0.14	1369	No	DIRECT	120/1	NF	38 lb	A,C,E,G,H,J
EF 3	GREENHECK	AREA A RESTROOMS	ROOF	G-095-VG	650 CFM	0.35 in-wg	0.17	1547	No	DIRECT	120/1	NF	29 lb	A,C,E,G,H,J
EF 4	GREENHECK	SHOPS	ROOF	G-123-VG	1320 CFM	0.50 in-wg	0.75	875	No	DIRECT	120/1	NF	81 lb	A,C,E,G,H,J
EF 5	GREENHECK	KILN ROOM	ROOF	CUE-099-V G	600 CFM	0.35 in-wg	0.07	1725	No	DIRECT	120/1	NF	19 lb	A,C,E,G,H,J
EF 6	GREENHECK	MATERIAL STORAGE	ROOF	G-70-VG	255 CFM	0.35 in-wg	0.03	1278	No	DIRECT	120/1	NF	29 lb	A,C,E,G,H,J
EF 7	GREENHECK	ART LAB 217	ROOF	G-133-VG	975 CFM	0.35 in-wg	0.09	1150	No	DIRECT	120/1	NF	38 lb	A,C,E,G,H,J
EF 8	GREENHECK	AREA A LABS	ROOF	G-183-VG	3380 CFM	0.50 in-wg	0.75	875	No	DIRECT	208/1	NF	101 lb	A,C,E,G,H,J
EF 9	GREENHECK	AREA B	ROOF	G-183-VG	3780 CFM	0.35 in-wg	1.02	1617	No	DIRECT	208/1	NF	29 lb	A,C,E,G,H,J
EF 10	GREENHECK	AREA C	ROOF	G-95-VG	800 CFM	0.50 in-wg	0.17	1688	No	DIRECT	120/1	NF	29 lb	A,C,E,G,H,J
EF 11	GREENHECK	AREA C	ROOF	G-060-VG	75 CFM		0.07	1616	No	DIRECT	120/1	NF	19 lb	A,C,E,G,H,J
EF 12	GREENHECK	AREA C LABS	ROOF	G-183-VG	3180 CFM		0.68	924	No	DIRECT	208/1	NF	101 lb	A,C,E,G,H,J
EF 13	GREENHECK	AREA E RESTROOMS	ROOF	G-133-VG	700 CFM		0.09	1238	No	DIRECT	120/1	NF	81 lb	A,C,E,G,H,J
EF 14	GREENHECK	LOCKER ROOM	ROOF	G-133-VG	1880 CFM	0.50 in-wg	0.50	1519	No	DIRECT	120/1	NF	81 lb	A,C,E,G,H,J
EF 15	GREENHECK	JANITOR STORAGE	ROOF	G-90-VG	495 CFM	0.50 in-wg	0.08	1623	No	DIRECT	120/1	NF	29 lb	A,C,E,G,H,J
EF 16	GREENHECK	DISHWASHER HOOD	ROOF	G-90-VG	600 CFM	0.35 in-wg	0.07	1622	No	DIRECT	120/1	NF	29 lb	A,C,E,G,H,J
EF 17	CAPTIVEAIRE	KITCHEN HOOD	ROOF	DU85HFA				1072	No	DIRECT	208/1	NF	87 lb	A,B,C,E,F,G, H,J
EF 18	CAPTIVEAIRE	KITCHEN HOOD	ROOF	DU85HFA		0.50 in-wg		1072	No	DIRECT	208/1	NF	87 lb	A,B,C,E,F,G, H,J
EF 19	GREENHECK	MECHANICAL ROOM	ROOF	G-143-VG				1098	No	DIRECT	120/1	NF	54 lb	A,C,E,G,H,J
EF 20	GREENHECK	MECHANICAL ROOM	ROOF	G-060-VG	140 CFM	0.25 in-wg		1663	No	DIRECT	120/1	NF	28 lb	A,C,E,G,H,J
EF 21	GREENHECK	REFRIGERANT PURGE		G-183-VG		0.10 in-wg		648	No	DIRECT	120/1	NF	101 lb	A,C,E,G,H,J
EF 22	GREENHECK	SCIENCE LAB	ROOF	FJC-308		0.50 in-wg		3371	No	DIRECT	460/3	NF	85 lb	C,E,G,H,J,G
EF 23	GREENHECK	BASEBALL COMPLEX	IN LINE	SQ-130-VG		0.25 in-wg		1451	No	DIRECT	120/1	NF	67 lb	A,C,D,E,G-J
EF 24	GREENHECK	BASEBALL COMPLEX	IN LINE	SQ-60-VG	95 CFM	0.25 in-wg		1524	No	DIRECT	120/1	NF	42 lb	A,C,D,E,G-J
RF 1	GREENHECK	AHU-1	IN LINE	BSQ-300		0.35 in-wg		837	Yes	BELT	460/3	NF	523 lb	D,E,J,K,
RF 2	GREENHECK	AHU-2	IN LINE	BSQ-300		0.35 in-wg		759	Yes	BELT	460/3	NF	523 lb	D,E,J,K,
RF 3	GREENHECK	AHU-3	IN LINE	BSQ-300		0.35 in-wg		968	Yes	BELT	460/3	NF	523 lb	D,E,J,K,
RF 4	GREENHECK	AHU-4	IN LINE	BSQ-300		0.35 in-wg		968	Yes	BELT	460/3	NF	523 lb	D,E,J,K,
RF 5	GREENHECK	AHU-5	IN LINE	BSQ-300		0.35 in-wg		968	Yes	BELT	460/3	NF	523 lb	D,E,J,K,
RF 6	GREENHECK	AHU-6	IN LINE	BSQ-300	_	0.35 in-wg		968	Yes	BELT	460/3	NF	523 lb	D,E,J,K,
RF 7	GREENHECK	AHU-7	IN LINE	BSQ-300		0.35 in-wg		703	Yes	BELT	460/3	NF	523 lb	D,E,J,K,
RF 8	GREENHECK	AHU-8	IN LINE	BSQ-300		0.35 in-wg		968	Yes	BELT	460/3	NF	523 lb	D,E,J,K,
RF 9	GREENHECK	AHU-9	IN LINE	BSQ-240		0.35 in-wg		1226	Yes	BELT	460/3	NF	232 lb	D,E,J,K,
RF 10	GREENHECK	AHU-10	IN LINE	BSQ-240	_	0.35 in-wg		1226	Yes	BELT	460/3	NF	232 lb	D,E,J,K,
RF 11	GREENHECK	AHU-11	IN LINE	BSQ-180	5400 CFM	0.35 in-wg	2.00	1646	Yes	BELT	460/3	NF	158 lb	D,E,J,K,
RF 12	GREENHECK	AHU-12	IN LINE	BSQ-240	7900 CFM	0.35 in-wg	2.00	1226	Yes	BELT	460/3	NF	240 lb	D,E,J,K,
TF 1	GREENHECK	ELECTRICAL ROOM	IN LINE	SQ-90-VG	300 CFM	0.25 in-wg	0.03	1185	No	DIRECT	120/1	NF	49 lb	A,C,D,E,G-J
TF 2	GREENHECK	ELECTRICAL	IN LINE	SQ-90-VG		0.15 in-wg		1069	No	DIRECT	120/1	NF	57 lb	A,C,D,E,G-J
TF 3	GREENHECK	GYM	IN LINE	SQ-70-VG	250 CFM	0.25 in-wa	0.04	1725	No	DIRECT	120/1	NF	35 lb	A.C.D.E.G-J

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PROVIDE INSULATED ROOF CURB WITH MINIMUM HEIGHT REQUIRED TO MAINTAIN BOTTOM OF EQUIPMENT A MINIMUM OF 16 INCHES ABOVE FINISHED ROOF SURFACE. PROVIDE SLOPED CURB IF NEEDED TO MATCH ROOF SLOPE.

COORDINATE WITH ROOF INSULATION THICKNESS AND ROOF TAPER AT INSTALLED LOCATION. COORDINATE CURB TYPE WITH DRAWINGS. PROVIDE GREASE EXHAUST FAN WITH ROOF CURB EXTENSION FOR 40 INCH MINIMUM DISCHARGE HEIGHT ABOVE ROOF SURFACE OR AT ELEVATION HIGHER THAN ADJACENT BUILDING STRUCTURE WITHIN 10 FEET WHICHEVER IS GREATER, GREASE TRAP WITH ABSORBANT MATERIAL AND DRAIN CONNECTION, HINGE KIT, ACCESS PORT FOR CLEANING FAN BLADES AND INTEGRAL MOTOR OVERLOAD PROTECTION.

PROVIDE BIRDSCREEN AND GRAVITY BACKDRAFT DAMPER. PROVIDE RUBBER IN SHEAR ISOLATION AND ALL-THREAD HANGING RODS.

STORAGE

GREENHECK GYM

PROVIDE FACTORY MOUNTED DISCONNECT SWITCH. FAN SHALL BE SELECTED FOR STABLE OPERATION AT ELEVATED TEMPERATURE OF 140 F. PROVIDE WITH MANUFACTURER'S FAN SPEED CONTROLLER FOR BALANCING PURPOSES.

PROVIDE WITH MANUFACTURER'S ELECTRONICALLY COMMUTATED (EC) MOTOR. NOMINAL MOTOR HP SHALL BE NO LARGER THAN THE FIRST AVAILABLE NOMINAL MOTOR SIZE GREATER THAN THE BHP

VARIABLE FREQUENCY DRIVE TO BE FURNISHED BY DIVISION 23 CONTRACTOR. PROVIDE PRE-ENGINEERED ROOF EQUIPMENT SUPPORTS WITH MINIMUM HEIGHT REQUIRED TO MAINTAIN BOTTOM OF EQUIPMENT A MINIMUM OF 16 INCES ABOVE FINISHED ROOF SURFACE.

IN LINE | SQ-70-VG | 250 CFM | 0.25 in-wg | 0.04

			VARIAB	LE FREQUE	NCY DR	IVES (VFD'S)			
MARK	SERVING	NUMBER OF	HP OF EACH	MANUFACTURER	VOLTAGE /	ENCLOSURE	MOUNTING	BYPASS	NOTES
	EQUIPMENT	MOTORS	MOTOR ON		PHASE		LOCATION		
		ON THE DRIVE	THE DRIVE						
VFD-1	SHWP-1	1	15	ABB ULH	480V - 3 PH	INDOOR - NEMA 1	WALL	NONE	A-D
VFD-2	SHWP-2	1	(15)	ABB ULH	480V - 3 PH	INDOOR - NEMA 1	WALL	NONE	A-D
VFD-3	CHWP-1	1	30	ABB ULH	480V - 3 PH	INDOOR - NEMA 1	WALL	NONE	A-D
VFD-4	CHWP-2	1	30	ABB ULH	480V - 3 PH	INDOOR - NEMA 1	WALL	NONE	A-D
VFD-5	PHWP-1	1	2 (3)	ABB ULH	480V - 3 PH	INDOOR - NEMA 1	WALL	NONE	A-D
VFD-6	PHWP-2	1	3 3	ABB ULH	480V - 3 PH	INDOOR - NEMA 1	WALL	NONE	A-D
VFD-7	PHWP-3	1	(3)	ABB ULH	480V - 3 PH	INDOOR - NEMA 1	WALL	NONE	A-D
VFD-8	RF-1	1	3	ABB ULH	480V - 3 PH	INDOOR - NEMA 1	WALL	NONE	A-D
VFD-9	RF-2	1	5	ABB ULH	480V - 3 PH	INDOOR - NEMA 1	WALL	NONE	A-D
VFD-10	RF-3	1	5	ABB ULH	480V - 3 PH	INDOOR - NEMA 1	WALL	NONE	A-D
VFD-11	RF-4	1	3	ABB ULH	480V - 3 PH	INDOOR - NEMA 1	WALL	NONE	A-D
VFD-12	RF-5	1	5	ABB ULH	480V - 3 PH	INDOOR - NEMA 1	WALL	NONE	A-D
VFD-13	RF-6	1	5	ABB ULH	480V - 3 PH	INDOOR - NEMA 1	WALL	NONE	A-D
VFD-14	RF-7	1	5	ABB ULH	480V - 3 PH	INDOOR - NEMA 1	WALL	NONE	A-D
VFD-15	RF-8	1	5	ABB ULH	480V - 3 PH	INDOOR - NEMA 1	WALL	NONE	A-D
VFD-16	RF-9	1	1.5	ABB ULH	480V - 3 PH	INDOOR - NEMA 1	WALL	NONE	A-D
VFD-17	RF-10	1	1.5	ABB ULH	480V - 3 PH	INDOOR - NEMA 1	WALL	NONE	A-D
VFD-18	RF-11	1	2	ABB ULH	480V - 3 PH	INDOOR - NEMA 1	WALL	NONE	A-D
VFD-19	RF-12	1	2	ABB ULH	480V - 3 PH	INDOOR - NEMA 1	WALL	NONE	A-D

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GENERAL NOTES APPLICABLE TO ALL ITEMS: 1. DRIVE AMPS SHALL BE RATED PER NATIONAL ELECTRICAL CODE TABLE 430.250

PROVIDE "EARLY BREAK" AUXILIARY CONTACTS IN MOTOR DISCONNECT THAT DEACTIVATES THE VFD WHEN MOTOR DISCONNECT SWITCH IS OPEN.

PROVIDE DV/DT FILTER. PROVIDE OUTPUT REACTOR

			GRILLE, RE	EGISTER AND DIFFU	ISER SCHEDULE			
PLAN MARK	MANUFACTURER	MODEL	FACE TYPE	MOUNTING LOCATION	FACE SIZE	MAX NC	PRESSURE DROP	NOTES
EG-1	PRICE	80	EGGCRATE	CEILING	24"x24"	25	0.05 in-wg	B,C,F,H,I,J,K
EG-2	PRICE	80	EGGCRATE	CEILING	12"x12"	25	0.05 in-wg	B,C,F,H,I,J,K
EG-3	PRICE	500	LOUVER	DUCT	REFER TO PLANS	25	0.05 in-wg	B,C,F,H,I
LSD1	PRICE	SDS100	LINEAR SLOT	CEILING	60" x 2-SLOT	25	0.08 in-wg	B,C,F,G,H,I,L
LSD2	PRICE	SDS100	LINEAR SLOT	CEILING	48" x 3-SLOT	25	0.08 in-wg	B,C,F,G,H,I,L
LSD3	PRICE	SDS100	LINEAR SLOT	CEILING	60" x 2-SLOT	25	0.08 in-wg	B,C,F,G,H,I,L
LSD4	PRICE	SDS100	LINEAR SLOT	SIDEWALL	60" x 2-SLOT	25	0.08 in-wg	B,C,F,G,H,I,L
RG-1		80	EGGCRATE	CEILING	24"x24"	25	0.05 in-wg	B,C,F,H,I,K
RG-2	PRICE	500	LOUVER	SIDEWALL	REFER TO PLANS	25	0.05 in-wg	C,D,F,H,I
RG-3	PRICE	80	EGGCRATE	CEILING	12"x12"	25	0.05 in-wg	B,C,F,H,I,K
SD-1	PRICE	SPD	PLAQUE	CEILING	24"x24"	25	0.08 in-wg	A-C,F,H,I
SD-2	PRICE	SPD	PLAQUE	CEILING	12"x12"	25	0.08 in-wg	A-C,F,H,I,J
SG1	PRICE	500	LOUVER	DUCT	REFER TO PLANS	25	0.08 in-wg	B,D,E,G,I
SG2	PRICE	HCD	LOUVER	DUCT	REFER TO PLANS	25	0.08 in-wg	B,D,E,G,I
SG3	PRICE	500	LOUVER	SIDEWALL	REFER TO PLANS	25	0.08 in-wg	C,D,F,G,H,I

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- 4-WAY THROW PATTERN UNLESS OTHERWISE INDICATED BY FLOW ARROWS ON DRAWINGS. [PROVIDE ONE SPARE LOOSE BLANK-OFF DEFLECTOR PER DIFFUSER FOR USE DURING BALANCING AS REQUIRED.] NECK SIZE SHOWN ON DRAWINGS. PROVIDE BRANCH DUCT TO MATCH NECK SIZE UNLESS OTHERWISE SHOWN ON DRAWINGS.
- BAKED ENAMEL FINISH, WHITE TO MATCH CEILING COLOR. FRONT BLADES PARALLEL TO LONG DIMENSION. DOUBLE DEFLECTION BARS SHALL BE ADJUSTABLE.
- FRAME TYPE TO MATCH CEILING/WALL CONSTRUCTION, COORDINATE WITH ARCHITECTURAL REFLECTED CEILING/WALL PLAN. PROVIDE OPPOSED BLADE DAMPER ADJUSTABLE FROM FACE OF DEVICE.
- PROVIDE DIFFUSERS, LINEAR SLOTS, AND GRILLES WITH NO EXPOSED MOUNTING SCREWS.
- PAINT ALL INTERIOR SURFACES SLOTS, GRILLES AND PLENUMS FLAT BLACK. FOR LAY-IN DIFFUSER INSTALLED IN A HARD CEILING, CONTRACTOR SHALL PROVIDE REMOTE CABLE-OPERATED VOLUME DAMPER BY METROPOLITAN AIR TECHNOLOGIES MODEL RT0250 WITH WITH EXTERNAL WORM GEAR OPERATOR OR EQUIVALAENT YOUNG REGULATOR SHALL INCLUDE GLVANIZED STEEL DUCT WITH ROLLED BEAD STIFFENERS, REINFORCED BLADE, SELF LUBRICATING BEARING AND WORM GEAR DAMPER SHALL BE INSTALLED
- EGGCRATE FACE TO MATCH FULL PANEL SIZE LISTED ON SCHEDULE. CONTRACTOR TO PROVIDE DUCT TRANSITION TO GRILLE AS REQUIRED. SUPPLY PLENUM MAY BE FIELD FABRICATED BASED ON PROVIDED DETAILS, OR PURCHASED FROM THE SLOT DIFFUSER. MANUFACTURER.

				SUI	PPLY F	AN	COOLIN	NG COIL	HEATING COIL		L INC	OOR		
MARK	MANUFACTURER	MODEL	REFR TYPE	CFM	ESP (IN)	HP	TC (MBH)	SC (MBH)	CAP (MBH)	MIN O/A CFM	V/PH	MCA	WEIGHT (LBS)	NOTES
CR 1	MITSUBISHI	PKA-A18	R-410A	370	0.0	0.04	18.0	12.2	11.3	0	208/1	1	29	A-D
CR 2	MITSUBISHI	PKA-A18	R-410A	370	0.0	0.04	18.0	12.2	11.3	0	208/1	1	29	A-D
CR 3	MITSUBISHI	PKA-A18	R-410A	370	0.0	0.04	18.0	12.2	11.3	0	208/1	1	29	A-D
CR 4	MITSUBISHI	PKA-A18	R-410A	370	0.0	0.04	18.0	12.2	11.3	0	208/1	1	29	A-D
CR 5	MITSUBISHI	PKA-A18	R-410A	370	0.0	0.04	18.0	12.2	11.3	0	208/1	1	29	A - D
CR 6	MITSUBISHI	PKA-A18	R-410A	370	0.0	0.04	18.0	12.2	11.3	0	208/1	1	29	A-D
CR 7	MITSUBISHI	PKA-A18	R-410A	370	0.0	0.04	18.0	12.2	11.3	0	208/1	1	29	A-D
CR 8	MITSUBISHI	PKA-A18	R-410A	370	0.0	0.04	18.0	12.2	11.3	0	208/1	1	29	A-D
CR 9	MITSUBISHI	PKA-A18	R-410A	370	0.0	0.04	18.0	12.2	11.3	0	208/1	1	29	A - D
CR 10	MITSUBISHI	PKA-A18	R-410A	370	0.0	0.04	18.0	12.2	11.3	0	208/1	1	29	A-D
CR 11	MITSUBISHI	PKA-A18	R-410A	370	0.0	0.04	18.0	12.2	11.3	0	208/1	1	29	A-D
CR 12	MITSUBISHI	PKA-A18	R-410A	370	0.0	0.04	18.0	12.2	11.3	0	208/1	1	29	A-D
CR 13	MITSUBISHI	PKA-A18	R-410A	370	0.0	0.04	18.0	12.0	~113~	~ ~	208/1	\sim	~~~	~AD
CŘ 14	MITSUBISHI	PEAD-A12	R-410A	350	0.0	0.04	12.0	10.0	8.7	25	208/1	1	58	A-D
CR 15	MITSUBISHI	PKA-A12	R-410A	320	0.0	0.04	12.0	9.7	9.2	0	208/1	1	29	A-D
CR 16	MITSUBISHI	PKA-A12	R-410A	320	0.0	0.04	12.0	9.7	9.2	0	208/1	1	29	A-D

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NOTES:

EQUIPMENT SIZED FOR 100°F AMBIENT TEMPERATURE.

PROVIDE 2" MERV 8, EFFICIENT THROWAWAY AIR FILTERS. PROVIDE UNIT WITH INTEGRAL STARTER AND NON-FUSED DISCONNECT SWITCH. PROVIDE UNIT WITH INTEGRAL CONDENSATE PUMP.

	F	-NA	POWEF	RED V	ARIA	ABLE	E AIR	VOL	LUME	TE	RMI	INAL	SC	HE	EDUI	LE	: (H	YE	DRO	NIC H	EAT)
											HE	EATING CO	IL				FAN				,
	SERVED	ZONE			BOX	INLET	PRIMARY	MIN PRIM	PRIM AIR										FREQ	CP TRANS	
MARK	FROM	SERVED	MANUFACTURER	MODEL	SIZE	SIZE (IN)	CFM	CFM	TEMP (F)	EAT	LAT	MBH	GPM	ROW	CFM	HP	VOLTS	PH	UENCY	V/PH	NOTES
VAV	AHU-2	LVL1 -	PRICE	DTQP	3	8	600	250	60 °F	60.0	92 °F	11.6	1 GPM	2	350 CFM	0.2	120 V	1	60 Hz	120/1	A-P
201		AREA B														5					
VAV	AHU-3	LVL1 -	PRICE	DTQP	3	8"	1000	500	60 °F	60.0	92 °F	36.5	1 GPM	2	500 CFM	0.2	120 V	1	60 Hz	120/1	A-P
204	1		1		1	1		1		1			I	1					1		1

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HEATING COIL BASED ON 130 °F ENTERING WATER TEMPERATURE AND 100 °F LEAVING WATER TEMPERATURE. INSTALL FLEXIBLE DUCT CONNECTOR AT INLET CONNECTION.

- PROVIDE INTEGRAL DISCONNECT SWITCH. PROVIDE FACTORY INSTALLED CONTROL POWER (CP) TRANSFORMER. COORDINATE PRIMARY POWER WITH ELECTRICAL DRAWINGS.
- BOX NOT TO EXCEED SCHEDULED DISCHARGE OR RADIATED SOUND NC LEVEL USING 0.5" PRESSURE DROP. PROVIDE FACTORY-INSTALLED. PRESSURE INDEPENDENT. DDC CONTROL PACKAGE. PROVIDE FACTORY FURNISHED, FIELD INSTALLED TEMPERATURE SENSOR AT VAV BOX INLET AND INTEGRAL CONTROLS FOR AUTOMATIC CHANGEOVER BETWEEN HEATING AND COOLING MODE.
- BOX SELECTED AT 1,000 FEET ABOVE SEA LEVEL. INLET SIZE SHOWN IS THE MINIMUM ALLOWABLE INLET SIZE. NO SMALLER SIZES SHALL BE ACCEPTED.
- PROVIDE FILTER FRAME WITH 1" THROWAWAY FILTERS. MOUNT HEATING COIL ON SUPPLY AIR DISCHARGE DUCT.

FAN CFM BASED ON 0.35" MINIMUM STATIC PRESSURE LEAVING BOX.

PROVIDE BOX WITH EITHER RIGHT HAND OR LEFT HAND CONFIGURATION AS SHOWN ON DRAWINGS. FURNISH WITH VAV BOX CONTROLLER AND HIGH SPEED ELECTRONIC ACTUATOR.

	MA	٩KE	UP .	AIR	R UI	NI	ΓSO	CHE	EDU	JLE	E (D	X C	OOL	LING	, (NA	\TUF	RAL (GAS	3 H	EA	T)	
				SUF	PPLY FA	۸N				DX CO	OOLING	COIL			G.	AS HEAT EX	CHANGER		ELECT	RICAL		
									EA	AT.	L	.AT				NOM						
		AREA	UNIT	FAN		ESP	TH	SH					REFR	MAX VEL	MIN OUT	INPUT	MIN EFF	LAT		DISC	WEIGHT	
MANUFACTURER	MODEL	SERVED	TYPE	TYPE	CFM	(IN)	(MBH)	(MBH)	(°F DB)	(°FWB)	(°F DB)	(°F WB)	TYPE	(FPM)	(MBH)	(MBH)	(%)	(°F DB)	V/PH	TYPE	(LBS)	NOTES
CAPTIVE AIR	A2-D.250-	ROOF -	SINGLE	FC	2362	1.3	55.6	36.0	96.4	74.7	85.0	71.4	R-410A	500	161.0	175.0	80	62.0	208/3	NF	1374	A-U
	20-20D-M	AREA G	ZONE																			
	PU																					

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- EQUIPMENT PROVIDED BY OTHERS TO MEET REQUIREMENTS OF THIS SCHEDULE. PROVIDE INLET HOOD WITH CLEANABLE ALUMINUM MESH FILTERS.
- PROVIDE FACTORY MOUNTED DISCONNECT INSTALLED ON SERVICE SIDE OF UNIT. PROVIDE UNIT WITH SINGLE POINT ELECTRICAL CONNECTION.
- SPECIFIED FAN ESP ACCOUNTS FOR DUCT LOSSES EXTERNAL TO UNIT. FILTER LOSS IS AT A MAXIMUM OF 400 FPM FACE VELOCITY. PROVIDE MOTOR HORSEPOWER TO OVERCOME INTERNAL UNIT STATIC PRESSURE DROP PLUS SPECIFIED EXTERNAL STATIC PRESSURE DROP. NOMINAL MOTOR HP SHALL BE NO LARGER THAN THE FIRST AVAILABLE NOMINAL MOTOR SIZE GREATER THAN
- THE REQUIRED BHP. DIVISION 23 CONTRACTOR SHALL PROVIDE SMOKE DETECTORS IN SUPPLY AIR DUCT(S).
- PROVIDE INSULATED ROOF CURB WITH MINIMUM HEIGHT REQUIRED TO MAINTAIN BOTTOM OF EQUIPMENT A MINIMUM OF 16 INCHES ABOVE FINISHED ROOF SURFACE. PROVIDE SLOPED CURB IF NEEDED TO MATCH ROOF SLOPE. COORDINATE WITH
- ROOF INSULATION THICKNESS AND ROOF TAPER AT INSTALLED LOCATION. COORDINATE CURB TYPE WITH DRAWINGS. SCHEDULED WEIGHT IS THE MAXIMUM ALLOWABLE OPERATING WEIGHT OF THE EQUIPMENT
- PROVIDE WITH STAINLESS STEEL HEAT EXCHANGER. PROVIDE HEATER TO MEET OR EXCEED SCHEDULED MINIMUM MBH OUTPUT. NOMINAL INPUT IS BASED ON LISTED MANUFACTURER'S STANDARD PRODUCT. COORDINATE EQUIPMENT GAS LOAD WITH PLUMBING CONTRACTOR IF DIFFERENT FROM THAT
- SCHEDULED. MEET MINIMUM EFFICIENCY SCHEDULED. MAKE UP AIR UNIT DESIGNED FOR ELEVATION OF 1000 FEET ABOVE SEA LEVEL. PROVIDE UNIT WITH VERTICAL SUPPLY AIR DUCT DISCHARGE THROUGH UNIT CURB.
- PROVIDE UNIT WITH GRAVITY BACK DRAFT DAMPERS. DIVISION 26 SHALL INTERLOCK MAKE UP AIR UNIT WITH HOOD CONTROL PANEL TO OPERATE AT THE SAME TIME AS THE KITCHEN EXHAUST FAN(S).
- DIVISION 26 SHALL INTERLOCK MAKE UP AIR UNIT TO SHUT DOWN FROM A SIGNAL FROM THE HOOD FIRE SUPPRESSION ANSUL SYSTEM. PROVIDE WITH DISCHARGE DUCT SENSOR WITH MODULATING OR STAGED COOLING AND HEATING CAPABILITY AS REQUIRED FOR OPERATION OF CONTROLS.

			l	DU:	ST	СО	LLEC	ТОБ	₹		
				AIRFL			E	LECTRIC	AL		
			AREA	OW	ESP					WEIGHT	
MARK	MANUFACTURER	MODEL	SERVED	(CFM)	(IN)	NOM HP	FLA	V/PH	DISC TYPE	(LBS)	NOTES
DC 1	DONALDSON	UMA 250		2425	10.0	10 W	14 A	460/3	NF	1275	A,B
DC 2	DONALDSON	UMA 250		2425	10.0	10 W	14 A	460/3	NF	1275	A,B

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- FURNISH MOTOR CONTROLLER WITH VFD FOR BLOWER MOTOR FOR OUTDOOR LOCATION. REFER TO PLANS FOR LOCATION. PROVIDE REMOTE START/STOP IN SHOP FOR REMOTE
- OPERATION OF DUST COLLECTOR. PROVE DUST LEVEL INDICATOR CONSISTING OF MECHANICAL PADDLE AND COTROL PANEL WIHT ALARM.

			RO	OF HC	OD SO	CHEDU	JLE			
	SERVICE (INTAKE,				MAX THROAT					
MARK	EXHAUST)	MANUFACTURER	MODEL	CFM	VEL (FPM)	MAX APD (IN)	THROAT (L" x W")	CURB (L" x W")	WEIGHT (LBS)	NOTES
RH 1	INTAKE	GREENHECK	WIH	21900	800	0.1	84X54	92X62	259	A,B
RH 2	INTAKE	GREENHECK	WIH	5400	800	0.1	40X28	48X36	75	A.B

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NOTES:

PROVIDE WITH INTEGRAL BIRDSCREEN 1/2" ALUMINUM BIRDSCREEN. PROVIDE INSULATED ROOF CURB WITH MINIMUM HEIGHT REQUIRED TO MAINTAIN BOTTOM OF EQUIPMENT A MINIMUM OF 16 INCHES ABOVE FINISHED ROOF SURFACE. PROVIDE SLOPED CURB IF NEEDED TO MATCH ROOF SLOPE. COORDINATE WITH ROOF INSULATION THICKNESS AND ROOF TAPER AT INSTALLED LOCATION. COORDINATE CURB TYPE WITH DRAWINGS.

		MANUFACTUR			Е	ELEC	TRICAL	-	WEIGHT	
MARK	SERVICE	ER	MODEL	AMBIENT (°F)	VOLTS	PH	MCA	MOCP	(LBS)	NOTES
CU 1	CR 1	MITSUBISHI	PUZ-A18NKA7	100 °F	208 V	1	11	28	100	A-M
CU 2	CR 2	MITSUBISHI	PUZ-A18NKA7	100 °F	208 V	1	11	28	100	A-M
CU 3	CR 3	MITSUBISHI	PUZ-A18NKA7	100 °F	208 V	1	11	28	100	A-M
CU 4	CR 4	MITSUBISHI	PUZ-A18NKA7	100 °F	208 V	1	11	28	100	A-M
CU 5	CR 5	MITSUBISHI	PUZ-A18NKA7	100 °F	208 V	1	11	28	100	A-M
CU 6	CR 6	MITSUBISHI	PUZ-A18NKA7	100 °F	208 V	1	11	28	100	A-M
CU 7	CR 7	MITSUBISHI	PUZ-A18NKA7	100 °F	208 V	1	11	28	100	A-M
CU 8	CR 8	MITSUBISHI	PUZ-A18NKA7	100 °F	208 V	1	11	28	100	A-M
CU 9	CR 9	MITSUBISHI	PUZ-A18NKA7	100 °F	208 V	1	11	28	100	A-M
CU 10	CR 10	MITSUBISHI	PUZ-A18NKA7	100 °F	208 V	1	11	28	100	A-M
CU 11	CR 11	MITSUBISHI	PUZ-A18NKA7	100 °F	208 V	1	11	28	100	A-M
CU 12	CR 12	MITSUBISHI	PUZ-A18NKA7	100 °F	208 V	1	11	28	100	A-M
CU 13	CR 13	MITSUBISHI	PUZ-A18NKAZ	100°F	208 V	بل	~ ¹ 1~	28	100	A-M
CU 14	CR 14	MITSUBISHI	PEAD-A12AA7	100 °F	208 V	1	11	15	58	A-M
CU 15	CR 15	MITSUBISHI	PUZ-A12NKA7	100 °F	208 V	1	11	28	93	A-M
CU 16	CR 16	MITSUBISHI	PUZ-A12NKA7	100 °F	208 V	1	11	28	93	A-M

The transfer of the territories of the territories

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- PROVIDE LOW AMBIENT CONTROL TO 0° F. EQUIPMENT SIZED FOR 100° F AMBIENT TEMPERATURE. COORDINATE WITH THE MANUFACTURER THE HORIZONTAL AND VERTICAL REFRIGERANT PIPE ROUTING TO DETERMINE PIPE SIZES FOR THE REFRIGERANT PIPING. MANUFACTURER SHALL PROVIDE DETAILED REFRIGERANT PIPING DIAGRAMS INCLUDING DIMENSIONAL DATA FOR ALL REFRIGERANT PIPING DEVICES. THE MANUFACTURER SHALL SIZE AND LOCATE THE ASSOCIATED REFRIGERANT TRAPS BASED ON THE ACTUAL ROUTING AND PROVIDE OTHER APPURTENANCES TO PROVIDE A FULLY FUNCTIONAL AND OPERATIONAL SYSTEM.
- COORDINATE WITH THE MANUFACTURER LOCATIONS FOR ALL REFRIGERANT PIPING DEVICES TO MAINTAIN SERVICEABILITY AND ACCESSIBILITY. PROVIDE LIQUID LINE FILTER DRYER AND SIGHT GLASS. PROVIDE PRE-ENGINEERED ROOF EQUIPMENT SUPPORTS WITH MINIMUM HEIGHT REQUIRED TO MAINTAIN BOTTOM OF EQUIPMENT A MINIMUM OF 8 INCHES ABOVE FINISHED ROOF SURFACE. COORDINATE WITH ROOF INSULATION THICKNESS AND ROOF TAPER AT
- INSTALLED LOCATION. DISCONNECT SWITCH PROVIDED BY DIVISION 26 CONTRACTOR. STARTERS FOR ALL MOTORS SHALL BE PROVIDED INTEGRAL WITH UNIT.
- COORDINATE SIZE OF CONDUCTOR TERMINATION LUGS WITH CONDUCTOR SIZES SHOWN ON ELECTRICAL DRAWINGS.
- PROVIDE CONDENSER COIL HAIL GUARDS. PROVIDE HARD START KIT.
- SELECT EQUIPMENT FOR ELEVATION OF 1000 FEET ABOVE SEA LEVEL. COORDINATE NUMBER OF CIRCUITS PROVIDED WITH NUMBER OF CONNECTIONS ON DX COIL SERVED.

	UN	IT HEAT	ER S	CHED	UL	E (ELE	ECT	RIC	\mathcal{C}		
MARK	AREA SERVED	MANUFACTURER	MODEL	MIN OUT (MBH)	NOM (KW)	MIN NO OF STAGES	CFM	V/PH	DISC TYPE	NOTES	
EUH 1	LVL1 - AREA S	REZNOR	EGEB	8.6	5.0	1	310	480/3	NF	A-D	
EUH 2	LVL1 - AREA S	REZNOR	EGEB	4.7	3.0	1	310	277/1	NF	A-D	
EUH 3A	LVL1 - AREA S	REZNOR	EGEB	3.1	3.0	1	310	277/1	NF	A-D	
EUH 3B	LVL1 - AREA S	REZNOR	EGEB	3.1	3.0	1	310	277/1	NF	A-D	
EUH 4	LVL1 - AREA S	REZNOR	EGEB	4.7	3.0	1	310	277/1	NF	A-D	
EUH 5	LVL1 - AREA S	REZNOR	EGEB	10.4	7.0	1	600	480/3	NF	A-D	
EUH 6	LVL1 - AREA S	REZNOR	EGEB	1.9	3.0	1	310	277/1	NF	A-D	
EUH 7	LVL1 - AREA S	REZNOR	EGEB	9.9	7.0	1	600	480/3	NF	A-D	
EUH 8	LVL1 - AREA S	REZNOR	EGEB	0.8	3.0	1	310	277/1	NF	A-D	
EUH 9	LVL1 - AREA S	REZNOR	EGEB	15.2	7.0	1	600	480/3	NF	A-D	
EUH 10	LVL1 - AREA S	REZNOR	EGEB	1.5	3.0	1	310	277/1	NF	A-D	

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MOUNT 8 FEET ABOVE FINISHED FLOOR WITHOUT OBSTRUCTING AIRFLOW.

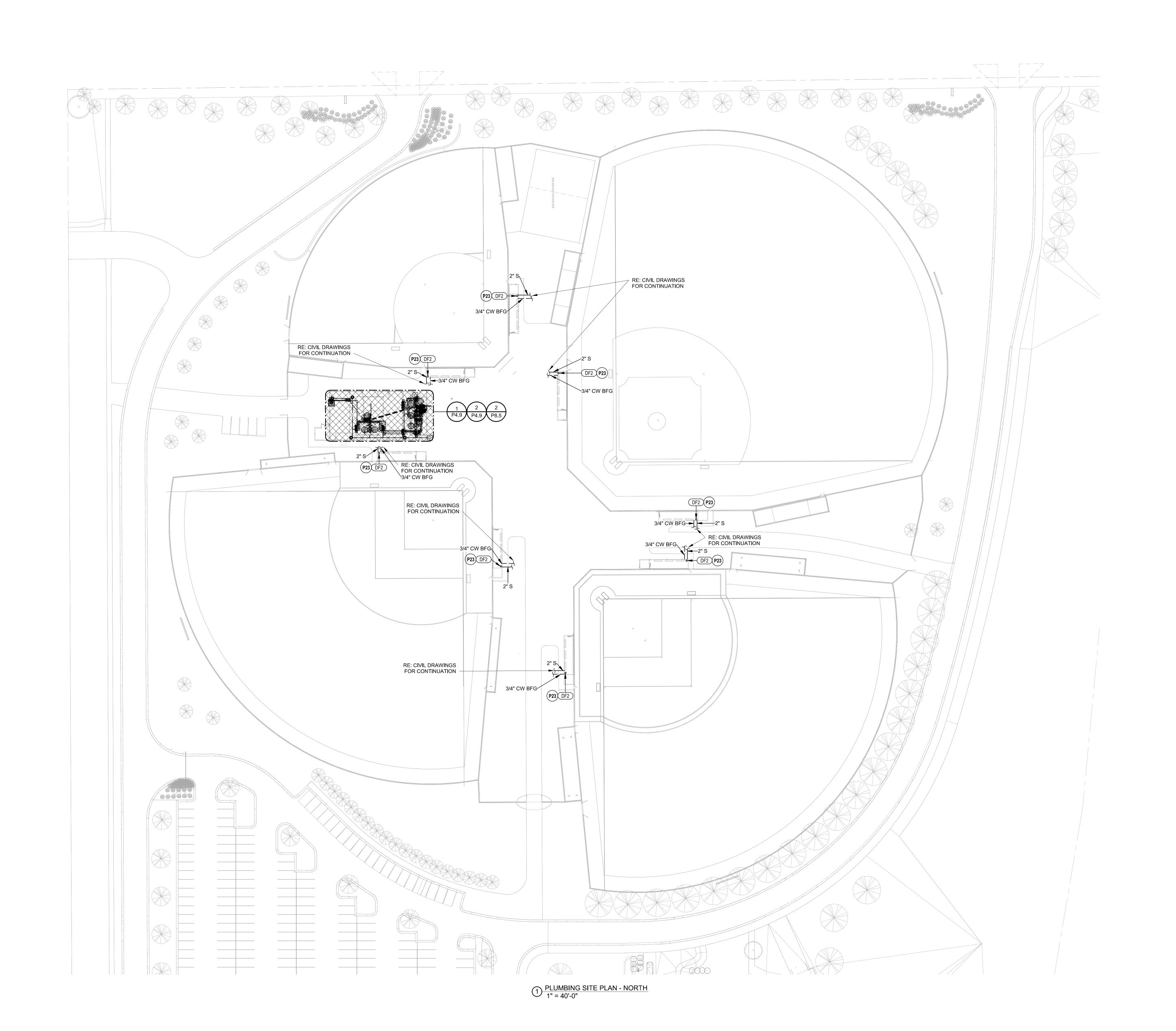
PROVIDE WITH UNIT MOUNTED THERMOSTAT. PROVIDE NECESSARY MOUNTING BRACKET AND ACCESSORIES FOR VERTICAL MOUNTING. PROVIDE FACTORY MOUNTED DISCONNECT SWITCH INSTALLED ON SERVICE SIDE OF UNIT.

PACKAGE 3 - BUILDING & SITE

10/08/20 REVISIONS ADDENDUM 002

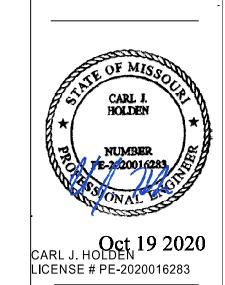
PLUMBING SITE PLAN - NORTH

www.



P1 DO NOT INSTALL PLUMBING PIPING OVER ELECTRICAL PANELS OR EQUIPMENT.

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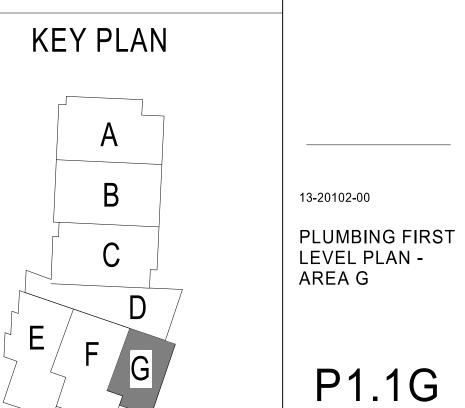


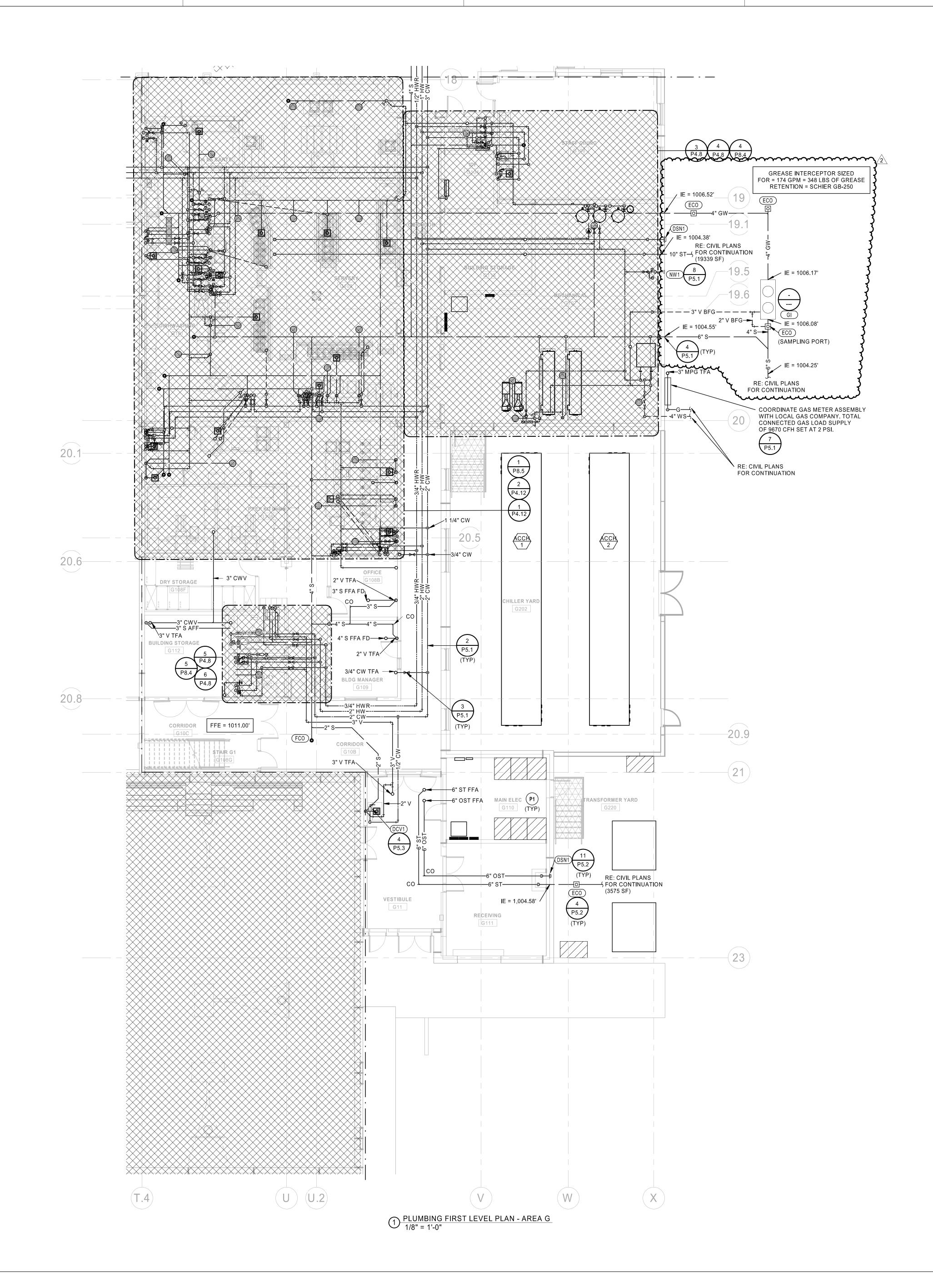
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LEE'S SUMMIT R-7 SCHOOL DISTRICT

PACKAGE 3 - BUILDING & SITE
10/08/20
REVISIONS

ADDENDUM 002





PLUMBING PLAN NOTES:

P1 DO NOT INSTALL PLUMBING PIPING OVER ELECTRICAL PANELS OR EQUIPMENT.

INSIDE CHASE TO HOSE BIBB @ 1/16" PER FOOT.

FOR WINTER DRAIN DOWN WITH OWNER.

WITH OWNER FOR FIXTURES IN THIS ROOM.

CLOSED . OPEN FOR WINTER DRAIN DOWN.

P24 LEAD FREE JUG FILLER. MOUNT AT 3'-0" AFF.

DRAIN BOX WITH AIR GAP.

WINTER DRAIN DOWN WITH OWNER. SLOPE WATER PIPE

FOR WINTER DRAIN DOWN OF ROOMS \$100, \$106, \$107, S109, S110, S11 AND S113. COORDINATE REQUIREMENTS

P4 COORDINATE REQUIREMENTS FOR WINTER DRAIN DOWN

P5 PROVIDE 3/4" QUICK DISCONNECT FOR AIR COMPRESSOR

DOWN WITH OWNER, SHUT OFF PUMP FOR WINTER.

P22 DISCONNECT CUBER SUPPLY LINE AND REMOVE WATER FILTERS DURING WINTER DRAIN DOWN PROCEDURE.

P26 MOUNT REMOTE CHILLER ON SHELF APPROX. 8'-0" AFF.

P25 ROUTE CD PIPING DOWN INSIDE CHASE AND DISCHARGE TO

PACKAGE 3 - BUILDING & SITE 10/08/20 REVISIONS ADDENDUM 002

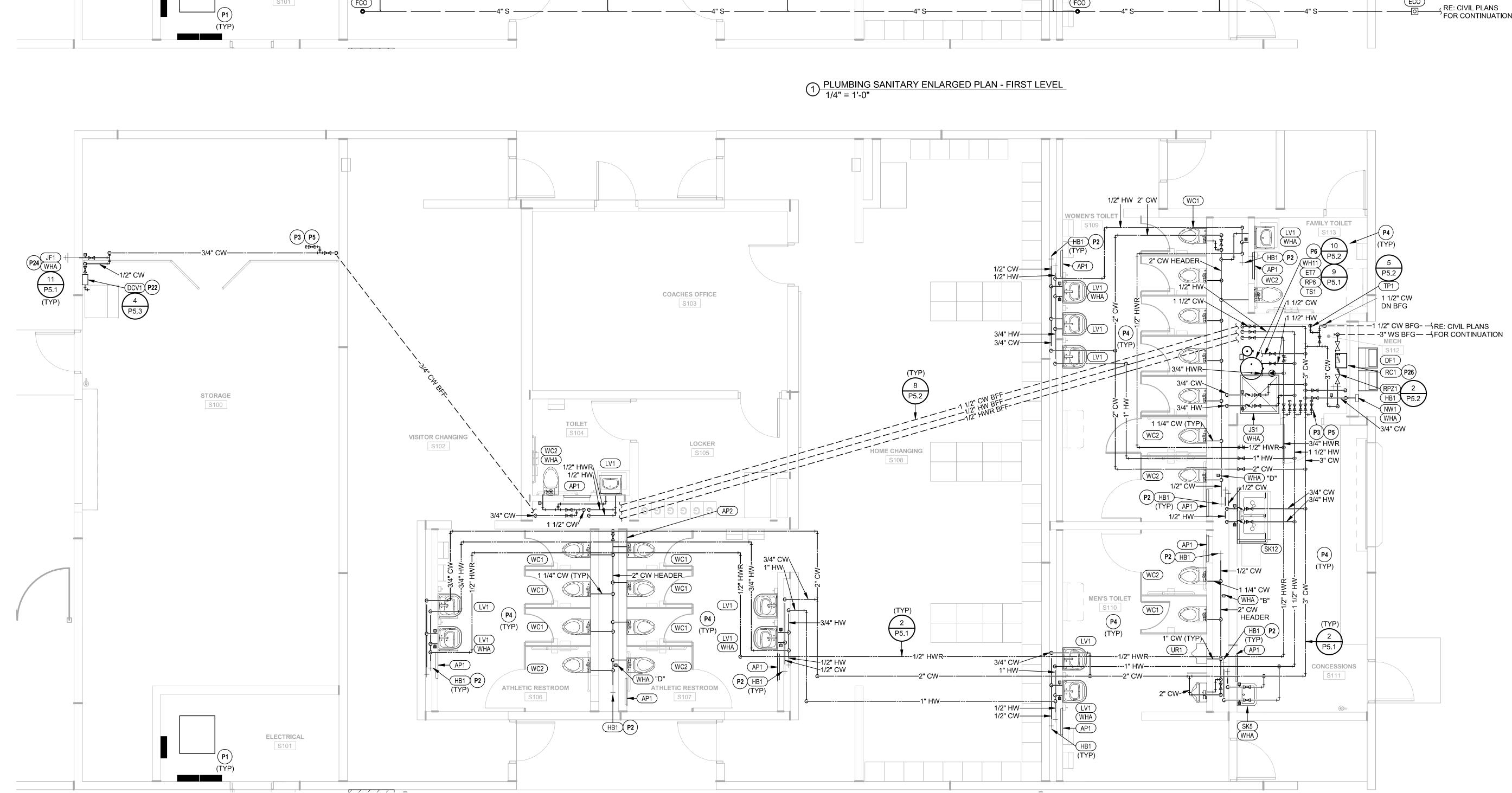
13-20102-00 ~~~~~~ **}** ENLARGED PLANS

P4.9

2 PLUMBING WATER ENLARGED PLAN - FIRST LEVEL 1/4" = 1'-0"

WOMEN'S TOILET

MEN'S TOILET



COACHES OFFICE

S103

LOCKER

REFER TO SANITARY RISER FOR COMPLETE WASTE AND

VENT DESIGN CONTINUATION

WC1 ATHLETIC RESTROOM

HOME CHANGING

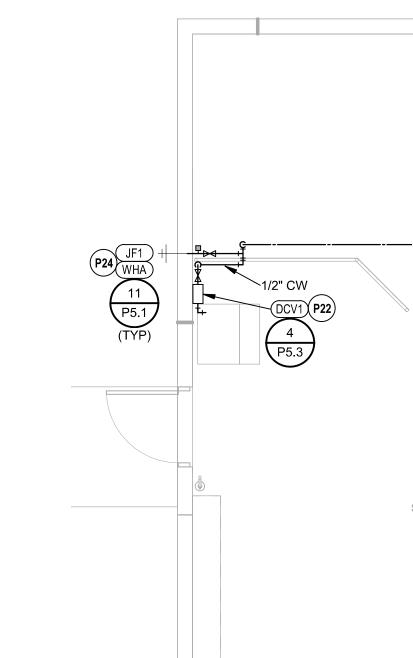
S108

VISITOR CHANGING

ATHLETIC RESTROOM (WC1)

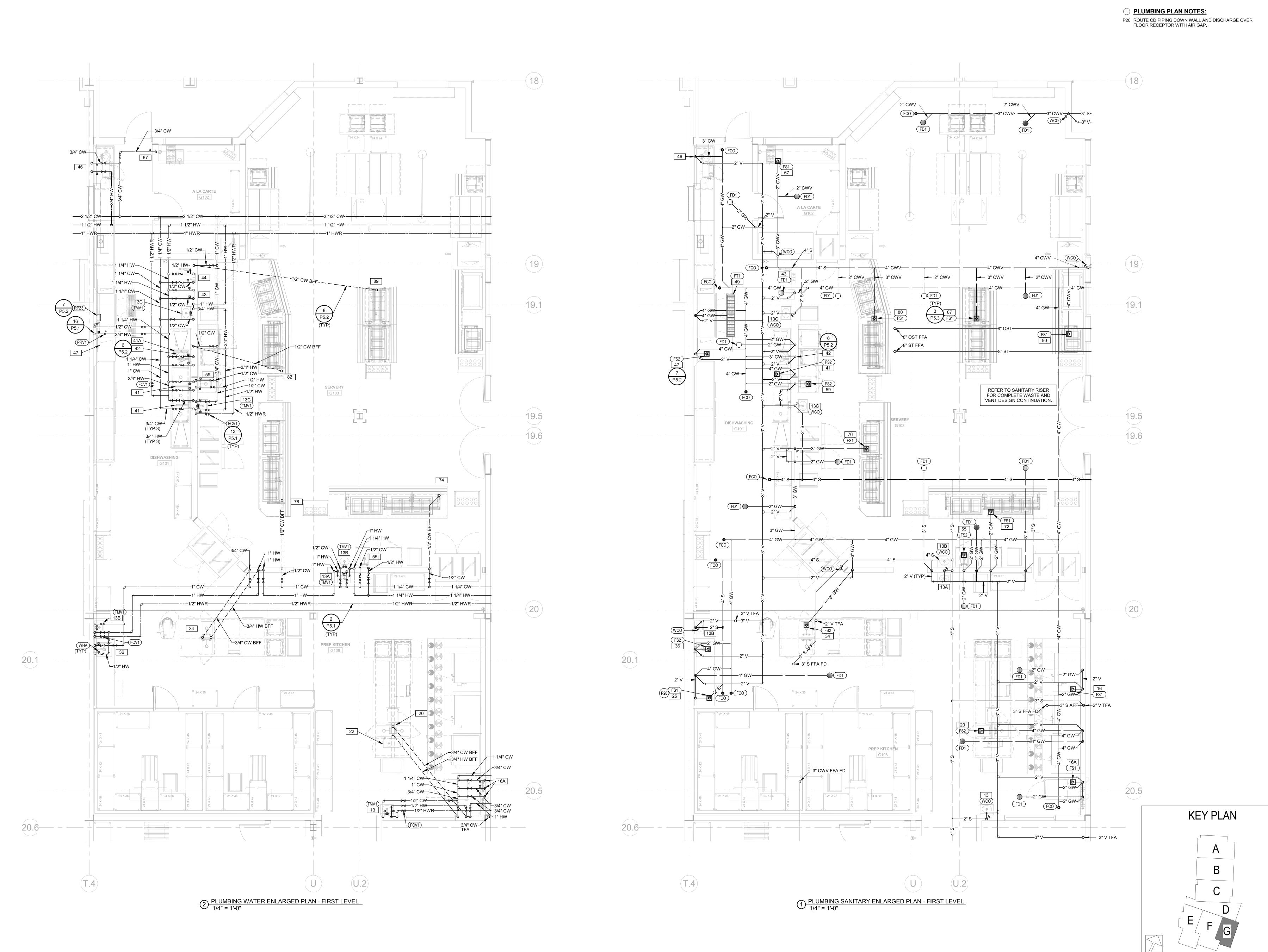
TOILET

S102

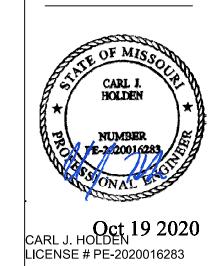


STORAGE

S100



Group



7

PACKAGE 3 - BUILDING & SITE 10/08/20

REVISIONS ADDENDUM 002

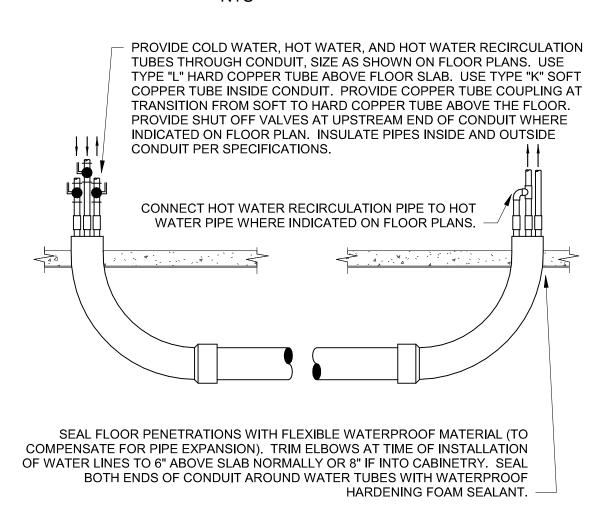
13-20102-00 PLUMBING ENLARGED PLANS

P4.12 mmmm

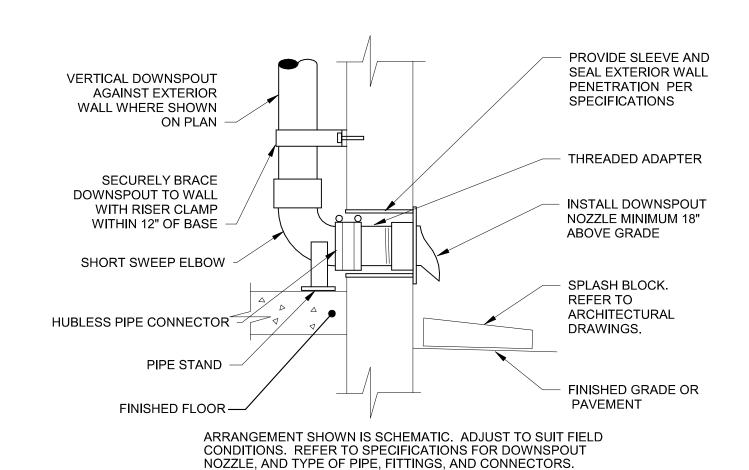
13-20102-00 **PLUMBING** DETAILS

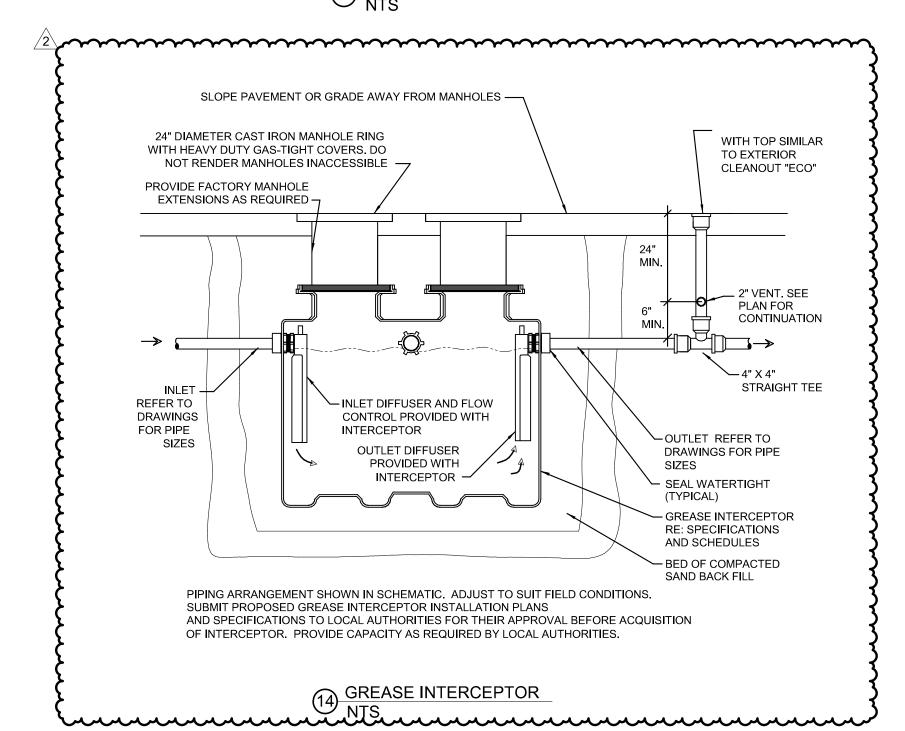
CAST IRON CLEANOUT PAVEMENT OR HOUSING WITH "CO" CAST IN GRADE: CUT AS HEAVY DUTY COVER REQUIRED AND PATCH TO MATCH EXISTING SCREWED PLUG IN CLEANOUT FERRULE AS PROVIDE 18"x18"x8" SPECIFIED. APPLY TEFLON THICK 3000 PSI CLASS JOINT COMPOUND TO "C" CONCRETE PAD, CLEANOUT PLUG THREADS. -REINFORCED WITH 6x6x1/4 WIRE MESH. RISER SHALL BE CAST IRON, CROWN TO SHED WATER; SAME SIZE AS SEWER UP TO TROWEL SMOOTH AND 4" MAXIMUM, OF LENGTH AS EDGE. OMIT IF ECO IS IN REQUIRED BY DEPTH OF SIDEWALK. SURROUND JOINT WITH CONCRETE PROVIDE CAST IRON LONG SWEEP AT END OF LINE, OR HORIZONTAL SANITARY OR COMBINATION WYE AND EIGHTH STORM DRAIN, SIZE AS BEND IN RUN OF LINE, --! SHOWN ON PLAN, TYPE OF REDUCING TYPE IF REQUIRED. PIPE PER SPECIFICATIONS. ENTER TOP OF PIPE. DIRECTION OF FLOW

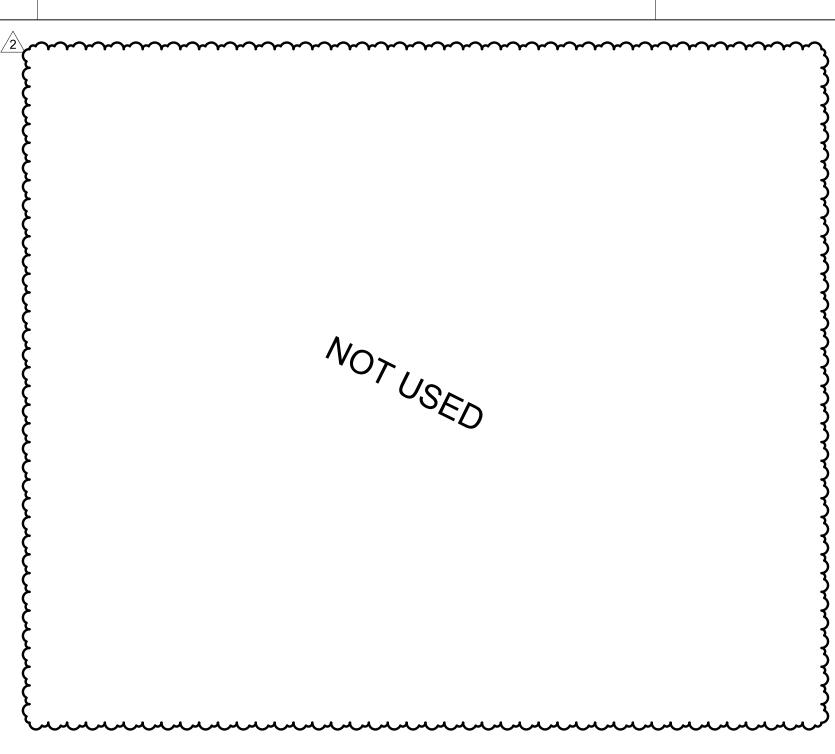
LOCATE EXTERIOR CLEANOUTS AT ENDS OF RUNS, AT TURNS OF PIPE GREATER THAN 45 DEGREES, AT MINIMUM 75 FOOT INTERVALS ON STRAIGHT RUNS, AND WHERE SHOWN ON PLANS. PROVIDE EARTH BACKFILL AND COMPACTION PER ARCHITECTURAL SPECIFICATIONS. REFER TO SPECIFICATIONS AND SCHEDULES FOR MORE INFORMATION.

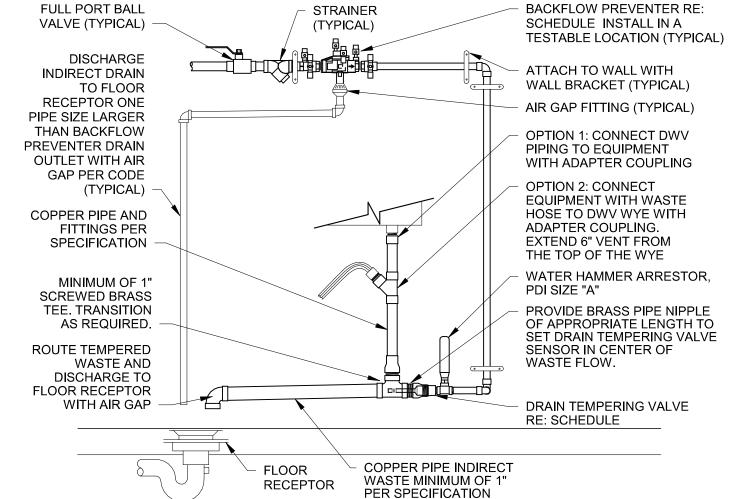


PROVIDE PVC CONDUIT WITH FITTINGS AND JOINTS PER SPECIFICATIONS. SIZE CONDUIT TO HOUSE INSULATED PIPES AS REQUIRED (INDIVIDUAL CONDUITS FOR SINGLE INSULATED PIPES MAY BE PROVIDED IN LIEU OF A SINGLE LARGER CONDUIT). SET CONDUIT ON COMPACTED OR UNDISTURBED EARTH. USE MINIMUM QUANTITY OF FITTINGS REQUIRED. PROVIDE LONG SWEEP ELBOWS AT BOTH ENDS. AVOID ELBOWS IN HORIZONTAL RUN IF AT ALL POSSIBLE. STUB ELBOWS ABOVE FLOOR AT LOCATIONS SHOWN ON FLOOR PLAN. BURY PIPE AT DEPTH AS REQUIRED TO ACHIEVE APROXIMATELY A 90 DEGREE PENETRATION OF SLAB.

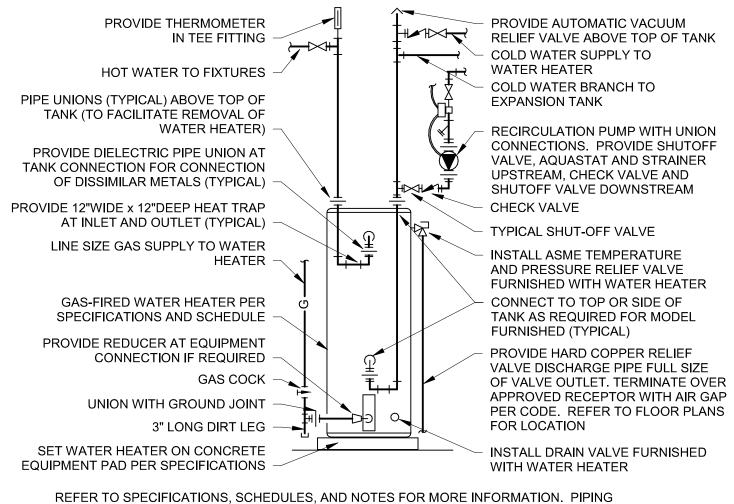






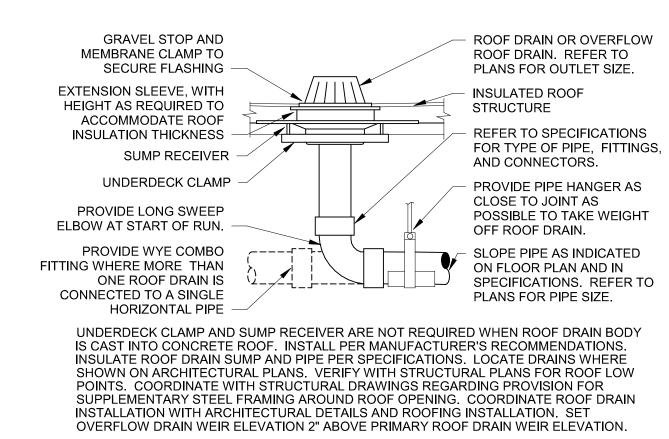


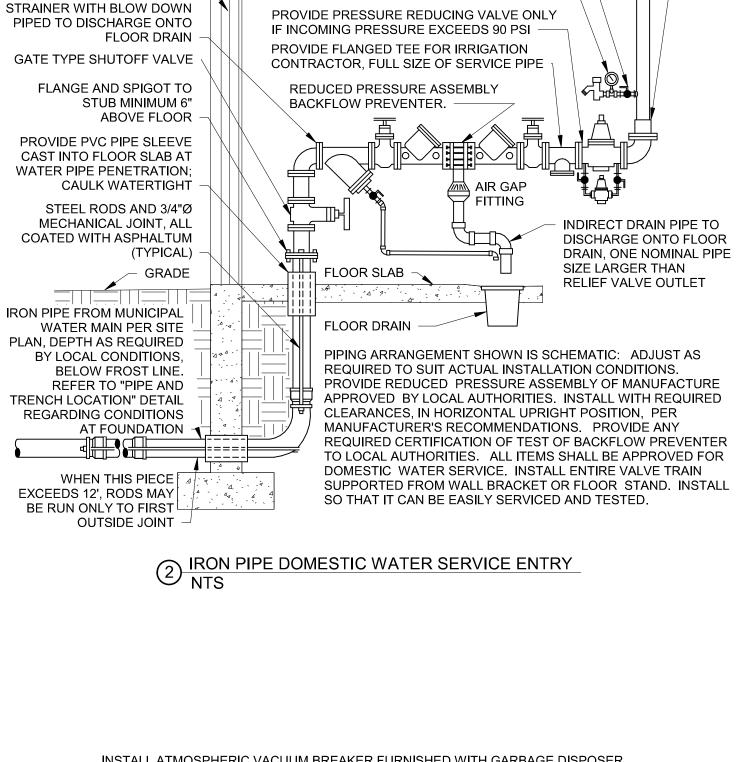
PIPING ARRANGEMENT SHOWN IN SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. PROVIDE REDUCED PRESSURE BACKFLOW PREVENTER OF MANUFACTURER APPROVED BY LOCAL AUTHORITIES. INSTALL WITH REQUIRED CLEARANCES. INSTALL BACKFLOW PREVENTER IN HORIZONTAL UPRIGHT POSITION. PROVIDE ANY REQUIRED CERTIFICATION OF TEST OF BACKFLOW PREVENTER TO LOCAL AUTHORITIES. ALL ITEMS SHALL BE APPROVED FOR DOMESTIC WATER SERVICE. INSTALL BACKFLOW PREVENTER SO IT CAN BE EASILY SERVICED AND TESTED. SUPPORT ASSEMBLY FROM WALL WITH WALL BRACKETS.



ARRANGEMENT SHOWN IS SCHEMATIC; ADJUST TO SUIT FIELD CONDITIONS. VERIFY CONNECTION SIZES AND LOCATIONS WITH WATER HEATER FURNISHED. REFER TO FLOOR PLANS FOR PIPE SIZES AND CONTINUATIONS. PROVIDE SEISMIC STRAP OR BRACING AND FLEXIBLE CONNECTORS ON PIPE WHEN REQUIRED BY LOCAL AUTHORITIES. PROVIDE HEAT TRAP ON COLD WATER SUPPLY WHEN REQUIRED BY LOCAL AUTHORITIES. POWER WIRING AND DISCONNECT SWITCH ARE SPECIFIED BY ELECTRICAL. INTERLOCK OF AQUASTAT WITH RECIRCULATION PUMP IS SPECIFIED BY ELECTRICAL

GAS FIRED WATER HEATER AND PUMP NTS





BUILDING EXTERIOR WALL:

REFER TO STRUCTURAL AND

ARCHITECTURAL DRAWINGS

FOR ACTUAL CONDITIONS

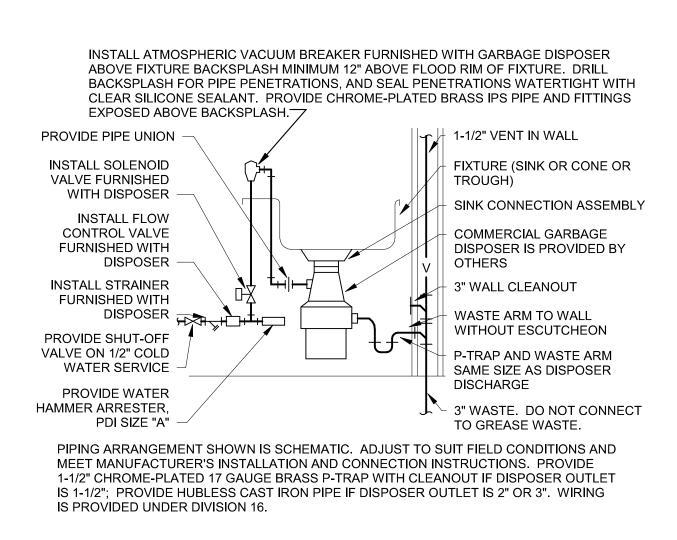
TRANSITION TO COPPER PIPE SIZE AS SHOWN

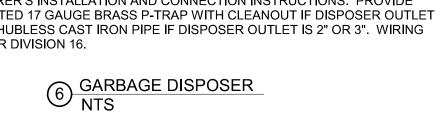
BALL VALVE (TYPICAL)

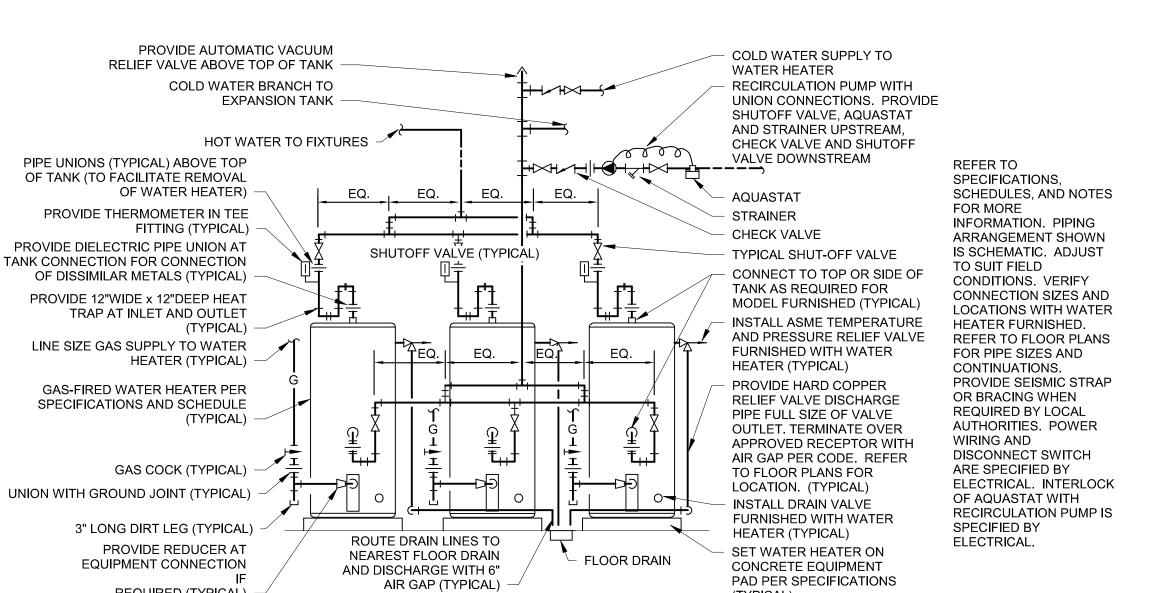
ON FLOOR PLANS

HOSE BIBB (FOR SYSTEM DRAIN DOWN), WITH

SHUTOFF VÄLVE AND PRESSURE GAUGE —







CASEWORK OR FUME

RESISTANT WASTE PIPE

ACID NEUTRALIZATION

TANK FILLED WITH

LIMESTONE CHIPS,

AND PLUMBING

BRANCH PIPE WITH

DISCHARGE PIPE.

IF TRAP PRIMER IS

SPECIFICATIONS.

DOOR PER

SHUT-OFF VALVE FEEDING

AUTOMATIC TRAP PRIMER

VALVE WITH INTEGRAL AIR

GAP. INSTALL TRAP PRIMER

MINIMUM 12" ABOVE FLOOR

FOR EVERY 20' OF PRIMER

UNIT(S) WHERE MORE THAN

ONE TRAP IS SERVED BY

INSTALLED ABOVE HARD

CEILING, PROVIDE ACCESS

PROVIDE FLOOR DRAIN BODY

TRAP PRIMER CONNECTION.

PROVIDE SWEAT TO THREADED

ADAPTER. BRAZE JOINT BELOW

OR P-TRAP WITH THREADED

FLOOR SLAB ON GRADE.

ONE TRAP PRIMER VALVE.

PROVIDE DISTRIBUTION

PLUMBING FIXTURE(S)

PER SPECIFICATIONS

FIXTURE SCHEDULE

DIP TUBE FURNISHED

WITH TANK, TO FORM

TO TAILPIECE FURNISHED

HOOD CABINETRY

CONNECT ACID

WITH SINK

A TRAP

PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD

INSTRUCTIONS. REFER TO SPECIFICATIONS FOR ACID RESISTANT PIPE,

FITTINGS, JOINTS, AND LIMESTONE CHIPS. INSTALL BASIN AND PIPE FOR

UNDER COUNTER ACID NEUTRALIZATION TANK
NTS

PROVIDE TRAP PRIMERS WHERE SHOWN ON FLOOR PLANS, AND WHERE REQUIRED

BY LOCAL AUTHORITIES. PIPING ARRANGEMENT SHOWN IS SCHEMATIC: ADJUST

TO SUIT FIELD CONDITIONS. REFER TO SPECIFICATIONS AND PLUMBING FIXTURE

SCHEDULE FOR MORE INFORMATION. INSTALL TRAP PRIMER VALVE AND

DISTRIBUTION UNIT PER MANUFACTURER'S RECOMMENDATIONS.

EASY REMOVAL OF TANK AND REPLACEMENT OF LIMESTONE CHIPS.

CONDITIONS AND MEET TANK MANUFACTURER'S INSTALLATION

SINK INSTALLED IN

SINK INSTALLED IN

PLUG OR CAP VENT

OPENING ON TANK

PROVIDE TYPE OF

WASTE AND VENT

SPECIFICATIONS

COUPLING AT

UNDERFLOOR

CONNECTION TO

WASTE PIPE PER

SPECIFICATIONS

CONNECT 1/2" PIPE (WITHOUT

SHUT-OFF VALVE IN BRANCH)

TO TRAP PRIMER VALVE OFF

INSULATE PIPE UPSTREAM

DOWNSTREAM OF TRAP

COPPER TUBING. INSTALL

UNIT USING 1/2" SOFT

PRIMER OR DISTRIBUTION

WITHOUT KINKS, AND SLOPE

CONTINUOUSLY TOWARDS

OF TRAP PRIMER, BUT NOT

INSTALL TRAP PRIMER LINE(S)

TOP OF BRANCH PIPE.

DOWNSTREAM.

FLOOR DRAIN.

CONCEAL PIPE(S) IN

PARTITION OR CHASE IN

FINISHED AREAS. TRAP

INSTALLED EXPOSED IN

UNFINISHED, NON-PUBLIC

IF PIPE IS BELOW FLOOR

1/2" ELASTOMERIC

FLOOR SLAB.

SLAB ON GRADE, PROVIDE

INSULATION FROM PRIMER

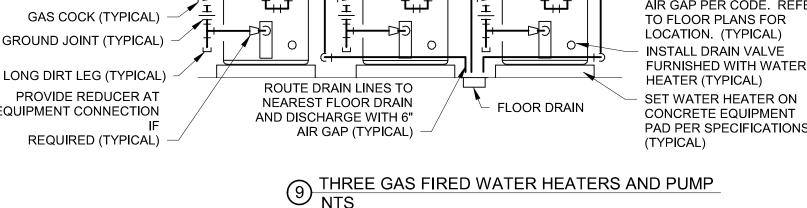
CONNECTION TO 1" ABOVE

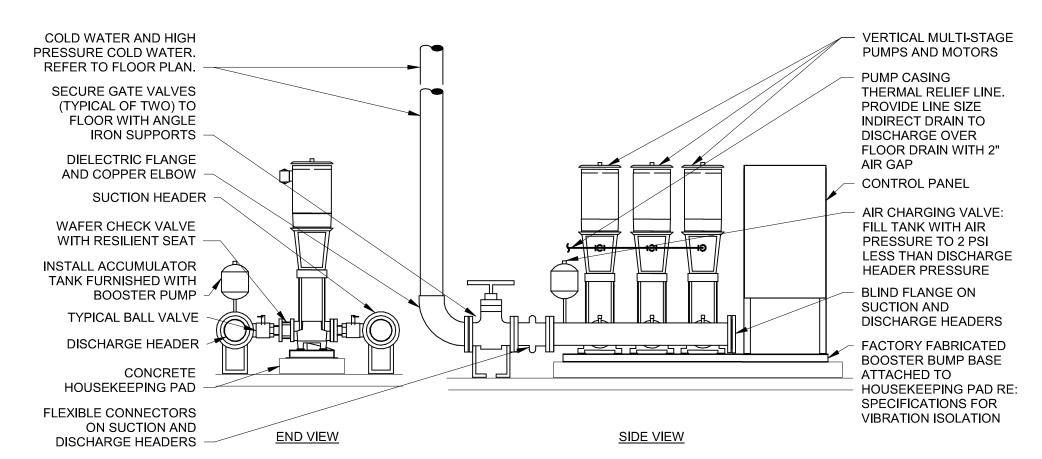
PRIMER AND PIPES MAY BE

PIPE PER

FUME HOOD

CASEWORK OR CUP





REFER TO SPECIFICATIONS, SCHEDULES, AND NOTES FOR MORE INFORMATION ABOUT PUMPS, CONTROLS, PIPE, VALVES, HOUSEKEEPING PAD, FLEXIBLE CONNECTORS, ETC. PIPING ARRANGEMENT IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. VERIFY CONNECTION SIZES AND LOCATIONS PER MANUFACTURER'S REQUIREMENTS. REFER TO ELECTRICAL DRAWINGS FOR ELECTRICAL CONNECTIONS.

10/08/20

REVISIONS

PLUMBING FIXTURE SCHEDULE

FIXTURES IN THIS SCHEDULE OR THEIR APPROVED EQUIVALENT ARE PROVIDED BY THE PLUMBING CONTRACTOR. SUBMIT SHOP DRAWINGS ON EACH OF THESE ITEMS. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION AND INSTALLATION REQUIREMENTS. VERIFY ROUGH-IN REQUIREMENTS WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS. REFER TO THE ARCHITECTURAL DRAWINGS FOR THE PLUMBING FIXTURE MOLINTING

	PLUMBING PLAN MARK AAV1	DESCRIPTION AIR ADMITTANCE VALVE; STUDOR "MINI-VENT" # 20301, MEETING ASSE	
		1051 TYPE "A", POLYSTYRENE PROTECTIVE COVER, ABS VALVE WITH ELASTROMERIC MEMBRANE AND PVC CONNECTOR, 2" INLET, AND ATMOSPHERIC PORT.	
	AAV2	ATMOSFILKIC FORT: AIR ADMITTANCE VALVE; STUDOR "MAXI-VENT" # 20302 MEETING ASSE 1050 TYPE "A", POLYSTYRENE PROTECTIVE COVER, ABS VALVE WITH	2
		ELASTROMERIC MEMBRANE AND PVC CONNECTOR, 2" INLET, AND ATMOSPHERIC PORT. PROVIDE UV PROTECTIVE COVER IF INSTALLED	
5	AP1	ACCESS PANEL: JAY R. SMITH # 4762 - 24" x 24" - CL, TYPE 304	}
{		STAINLESS STEEL PANEL AND FRAME WITH CONCEALED HINGE, KEY OPERATED CYLINDER LOCK. PROVIDE WITH NAILER SLOTS FOR INSTALLATION IN STUD WALLS AND ANCHOR STRAPS FOR	3
{	AP2	INSTALLATION IN MASONRY CONSTRUCTION. ACCESS PANEL: JAY R. SMITH # 4762 - 12" x 12" - CL, TYPE 304	}
{		STAINLESS STEEL PANEL AND FRAME WITH CONCEALED HINGE, KEY OPERATED CYLINDER LOCK. PROVIDE WITH NAILER SLOTS FOR	{
{	سييس	INSTALLATION IN STUD WALLS AND ANCHOR STRAPS FOR INSTALLATION IN MASONRY CONSTRUCTION. CONDENSATE DRAIN BOX: GUY GRAY MODEL # B200TS, 20 GAUGE	3
	CDB	GALVANIZED STEEL BOX, 18 GAUGE STEEL FACEPLATE, 2" BOTTOM OUTLET DRAIN.	
_	DAGF	TRIM: PROVIDE TAIL PIECE AND 2" DIAMETER P-TRAP. SIOUX CHIEF # 249, DISHWASHER AIR GAP MEETING ASSE 1021 WITH	
	50/4	POLYPROPYLENE BODY, CHROME-PLATED BRASS CAP, 1/2" INLET HOSE BARB, AND 3/4" OUTLET HOSE BARB.	_
	DCV1	DOUBLE CHECK VALVE BACKFLOW PREVENTER: WATTS # 719QT-S, MEETING ASSE 1015, CAST BRONZE BODY, SCREW DRIVER SLOTTED JEST COCKS, QUARTER JURN BALL VALVES, AND STRAINER.	
7	DF1	DRINKING FOUNTAIN (ADA ACCESSIBLE): ELKAY # EDFP217C WALL-MOUNTED, MODULAR, BARRIER FREE, STAINLESS STEEL	}
ζ }		RECTANGULAR BOWLS AND WALL PLATE. TRIM: McGUIRE # 2165CC COMPRESSION ANGLE STOP VALVE WITH RISER AND ESCUTCHEON, McGUIRE # B8872CF 1-1/4" 17 GAUGE CAST	\{
ξ		CHROME PLATED BRASS ADJUSTABLE P-TRAP AND WASTE ARM WITH CLEANOUT PLUG AND ESCUTCHEON.	{
ζ	DF2	DRINKING FOUNTAIN: MOST DEPENDABLE FOUNTAINS, # 400 SMSS OUTDOOR, FREEZE RESISTANT, SINGLE STATION, TUBULAR,	\{
\ \		PEDESTAL, NON-FILTERED, NON-REFRIGERATED LEAD FREE, WITH ONE-PIECE WELDED, 304 SCHEDULE 10 STAINLESS STEEL CONSTRUCTION WITH PUSH BUTTON ACTIVATION.	{
}	W BSA	DOWNSPOUT NOZZLE: JAYR. SMITH#17701, CAST BRONZE BODY AND FLANGE. PROVIDE OUTLET SIZE AS SHOWN ON PLANS.	
	ECO	EXTERIOR CLEANOUT: JAY R. SMITH # 4261L SERIES DUCO CAST IRON DOUBLE FLANGED HOUSING WITH HEAVY DUTY SECURED SCORIATED	_
		CAST IRON COVER WITH LIFTING DEVICE AND CLEANOUT BODY WITH ABS PLASTIC PLUG WITH GASKET SEAL AND PUSH-ON JOINT. REFER TO SPECIFICATIONS FOR INSTALLATION.	
	EEW1	DECK-MOUNTED EMERGENCY EYE / FACE WASH: GUARDIAN # G1806, FOUR FILTERED SPRAY HEADS WITH SELF REGULATING FLOW	
		CONTROL AND DUST COVERS, CHROME-PLATED BRASS STAY-OPEN BALL VALVE, EPOXY COATED ALUMINUM FLAG HANDLE, 90° SWIVEL	
_	EEW2	FROM STORAGE TO OPERATING POSITION, AND 1/2" INLET. DECK-MOUNTED EMERGENCY EYE / FACE WASH: GUARDIAN # G1806,	
		FOUR FILTERED SPRAY HEADS WITH SELF REGULATING FLOW CONTROL AND DUST COVERS, CHROME-PLATED BRASS STAY-OPEN BALL VALVE, EPOXY COATED ALUMINUM FLAG HANDLE, 90° SWIVEL	
	EMV1	FROM STORAGE TO OPERATING POSITION, AND 1/2" INLET. EMERGENCY MIXING VALVE: POWERS # ES150-AF05012, BRONZE BODY	
		WITH ROUGH BRONZE FINISH, MEETING ASSE 1071, CORROSION RESISTANT INTERNAL PARTS, CHECK STOPS WITH REMOVABLE	
		STRAINERS, DUAL INTERNAL COLD WATER BYPASS, PARAFFIN FILLED TEMPERATURE ELEMENT, DIAL THERMOMETER ON OUTLET, CAPABLE OF 4 GPM WITH A 5 PSI DIFFERENTIAL AND A MINIMUM FLOW RATE OF	
		1.0 GPM, AND STAINLESS STEEL WALL-MOUNTED CABINET. MAXIMUM TEMPERATURE STOP SET FOR 90°F.	
	EWC1	ELECTRIC WATER COOLER (ADA ACCESSIBLE): ELKAY # EZSTL8WS WALL-MOUNTED, BARRIER FREE, DUAL-LEVEL WATER COOLER WITH BOTTLE FILLING STATION, FRONT AND SIDE PUSH ACTUATOR BARS,	
		STAINLESS STEEL BOWL, FLEXIBLE POLYESTER ELASTOMER SAFETY BUBBLER AND GALVANIZED STEEL FRONT AND SIDES, CHILLER WITH 8.0	,
		GALLONS PER HOUR CAPACITY, 50°F DRINKING WATER AT 80°F INLET TEMPERATURES 90°F ROOM TEMPERATURE. TRIM: McGUIRE # LF2165CC LEAD FREE BRASS COMPRESSION ANGLE	
		STOP VALVE WITH RISER AND ESCUTCHEON, McGUIRE # B8912CF 1-1/2" 17 GAUGE CAST CHROME PLATED BRASS ADJUSTABLE P-TRAP AND	
		WASTE ARM WITH CLEANOUT PLUG AND ESCUTCHEON, AND SUITABLE CARRIER WITH STANCHIONS TO FLOOR. INSTALL "WCO" UNDERNEATH WASTE CONNECTION. ELECTRICAL REQUIREMENTS: 115-VOLT, 5.0 FULL	$\frac{2}{2}$
_	FC1	LOAD AMPS. FLEXIBLE CONNECTOR: UNITED FLEXIBLE #AFBX1, 4" X 12" LONG	
	101	CORRUGATED 316L STAINLESS STEEL BELLOWS AND 304 STAINLESS STEEL SINGLE BRAID WITH CLASS 150 STAINLESS STEEL WELDED	
	F00	PLATE FLANGE ON EACH PIPE WITH A MAXIMUM OPERATING PRESSURE OF 261 PSI.	
	FCO	FLOOR CLEANOUT: JAY R. SMITH, CAST IRON BODY, FLASHING FLANGE WITH CLAMPING COLLAR, ABS PLUG, AND ADJUSTABLE, ROUND, SECURED, NICKEL BRONZE, TOP. # 4031L (-F-C), SCORIATED TOP FOR	
		EXPOSED, FLUSH WITH FINISHED FLOOR, APPLICATION(S), # 4031L (-F-C-Y), STAINLESS STEEL MARKER FOR INSTALLATION IN CARPETED FLOOR AREA(S), # 4151 (-F-C), 1/8" RECESS FOR INSTALLATION IN TILED	
		FLOOR AREA(S), # 4151 (-F-C), 1/6 RECESS FOR INSTALLATION IN TILED FLOOR AREA(S), # 4191 (-F-C), 1/2" RECESS FOR INSTALLATION IN TERRAZZO AND SIMILAR POURED FLOOR AREA(S). REFER TO	
	FCV1	SPECIFICATIONS FOR INSTALLATION. FLOW CONTROL VALVE: FLOWDESIGN # ICSS "AUTOFLOW", SERIES 300	
		STAINLESS UNION BODY WITH NICKEL PLATED UNION NUT, STAINLESS STEEL PRESSURE COMPENSATING CARTRIDGE, MEETING NSF 61 ANNEX G, NAMEPLATE AND 1/2" VALVE BODY SIZE UNLESS SHOWN	
		OTHERWISE ON PLANS. PROVIDE 0.5 GPM FLOW RATE CARTRIDGE UNLESS SHOWN OTHERWISE ON PLANS.	$\frac{\sqrt{2}}{2}$
	FD1	FLOOR DRAIN: JAY R .SMITH # 2005L (-A), CAST IRON BODY AND CLAMPING COLLAR, ADJUSTABLE 6" ROUND NICKEL BRONZE STRAINER.	
		USE PUSH-ON JOINT OF OUTLET SIZE AS SHOWN ON PLANS. TRAP SEAL: PROVIDE TRAP SEAL PER SPECIFICATIONS FOR ACTUAL FLOOR DRAIN MODEL AND SIZE.	
	FD2	EQUIPMENT FLOOR DRAIN: JAY R. SMITH # 2110L (-B), CAST IRON BODY, 8" ROUND, LOOSE, MEDIUM DUTY, CAST IRON GRATE, SEDIMENT	
		BUCKET, BOTTOM OUTLET, SEEPAGE PAN, AND MEMBRANE FLASHING CLAMP. USE PUSH-ON JOINT OF OUTLET SIZE AS SHOWN ON PLANS. TRAP SEAL: PROVIDE TRAP SEAL PER SPECIFICATIONS FOR ACTUAL	
	FD3	FLOOR DRAIN MODEL AND SIZE. EQUIPMENT FLOOR DRAIN: JAY R. SMITH # 2233L (-M), CAST IRON BODY,	
	1 53	12" ROUND, LOOSE, HEAVY DUTY, DUCTILE IRON GRATE, SEDIMENT BUCKET, BOTTOM OUTLET, SEEPAGE PAN, AND MEMBRANE FLASHING	
		CLAMP. USE PUSH-ON JOINT OF OUTLET SIZE AS SHOWN ON PLANS. TRAP SEAL: PROVIDE TRAP SEAL PER SPECIFICATIONS FOR ACTUAL FLOOR DRAIN MODEL AND SIZE.	
	FD4	PVC LARGE FLOOR DRAIN: SIOUX CHIEF # 860-APU SERIES WITH 5" DEEP ROUND PVC BODY WITH PVC SOCKET OUTLET, ANCHOR FLANGE,	
		ROUND PVC DEBRIS BUCKET, 9" ROUND PVC GRATE. TRAP SEAL: PROVIDE TRAP SEAL PER SPECIFICATIONS FOR ACTUAL	
	FD5	FLOOR DRAIN MODEL AND SIZE. EQUIPMENT FLOOR DRAIN: JAY R. SMITH # 2230L, CAST IRON BODY, 12" ROUND, LOOSE, MEDIUM DUTY, CAST IRON GRATE, SEDIMENT BUCKET,	
		BOTTOM OUTLET, SEEPAGE PAN, AND MEMBRANE FLASHING CLAMP. PROVIDE TRAP PRIMER PORT IF TRAP PRIMER IS PROVIDED ON THE	
		DRAWINGS. USE PUSH-ON JOINT OF OUTLET SIZE AS SHOWN ON PLANS.	
	FS1	FLOOR SINK: JAY R. SMITH # 3101L (-12), 6" DEEP CAST IRON BODY WITH ACID RESISTING ENAMELED INTERIOR, ANCHOR FLANGE WITH SEEPAGE HOLES, CLAMP COLLAR, WHITE ABS SEDIMENT BUCKET, AND	
	~~~~	8-1/2" SQUARE NICKEL BRONZE RIM AND HALF GRATE. USE PUSH-ON LOINT OF OUTLET SIZE AS SHOWN ON PLANS	
\ <b>\</b>	FS2	FLOOR SINK: JAY R. SMITH # 3131L (-12), 10" DEEP CAST IRON BODY WITH ACID RESISTING ENAMELED INTERIOR, ANCHOR FLANGE WITH SEEPAGE HOLES, CLAMP COLLAR, ALUMINUM SEDIMENT BUCKET, AND	<b>\</b>
{		12" SQUARE NICKEL BRONZE RIM AND HALF GRATE. USE PUSH-ON JOINT OF OUTLET SIZE AS SHOWN ON PLANS.	3
(	FT1	FLOOR TROUGH: ADVANCE TABCO # FTG-1260-FT2, 60" X 12" X 4" DEEP,	5

GRATE, AND 3" OUTLET. PROVIDE WITH SEEPAGE CONTROL FLANGES,

AGE DISPOSER: IN-SINK-ERATOR "BADGER 5" RESIDENTIA

DISPOSER WITH 1/2 H.P. MOTOR WITH POWER CORD, PLASTIC GRIND

CHAMBER, GALVANIZED STEEL CUTTING ELEMENT, AND PERMANENTLY

GREASE INTERCEPTOR: SCHIER PRODUCTS GB-250(2)-EXT-H20. HDPE

CAPACITY AND RATED FLOW RATE OF 200 GPM AND 1068 POUNDS OF

GREASE STORED, WITH INTEGRAL INLET AND OUTLET DIFFUSERS WITH

RATED COVERS WITH EXTENSIONS. INSTALL TWO INTERCEPTORS IN

ANIT-SIPHON AIR RELIEF, TWO 28" GASKETED AASHTO H-20 LOAD

|GAS SOLENOID VALVE: ASCO # 821 UL LISTED AND FM APPROVI NATURAL GAS SERVICE, ALUMINUM BODY WITH GENERAL PURPOSE ENCLOSURE, FNPT CONNECTIONS, BUNA "N" SEAL, DIAPHRAGM AND DISC, 120V SINGLE PHASE, NORMALLY CLOSED TYPE, MOLDED EPOXY

SOLENOID COVER. CLASS "F" COIL FOR CONTINUOUS DUTY.

WELDED 14 GAUGE 304 STAINLESS STEEL, STAINLESS STEEL BAR

WASTECUP AND REMOVABLE STAINLESS STEEL BASKET.

TRIM: WASTE DISCHARGE KIT AND DISHWASHER TAILPIECE

SEAMLESS HIGH DENSITY POLYETHYLENE BODY, 250 GALLON

ELECTRICAL REQUIREMENTS: 120-VOLT 6.9 FULL LOAD AMPS.

PARALLEL. REFER TO MANUFACTURERS INSTALLATION

RECOMMENDATIONS.

LUBRICATED UPPER AND LOWER BEARINGS.

# PLUMBING FIXTURE SCHEDULE

PLAN MARK HOSE BIBB: PRIER PRODUCTS # C-158NP.75, ROUGH CHROME PLATED BRASS 3/4" FEMALE FIP INLET, 3/4" THREADED HOSE CONNECTION, METAL WHEEL HANDLE, AND ASSE 1011 INTEGRAL VACUUM BREAKER.

HB2
HOSE BIBB: PRIER PRODUCTS # C-255NP.75, ROUGH CHROME PLATED
BRASS 3/4" FEMALE INLET, 3/4" THREADED HOSE CONNECTION, LOOSE HD1 HUB DRAIN FLOOR SINK: JAY R, SMITH # 3821T (-DBS), 7" DEEP x 4" DIAMETER CAST IRON BODY WITH ACID RESISTING ENAMELED INTERIOR AND EXTERIOR FUNNEL WITH 3" CAST IRON P-TRAP WITH THREADED CONNECTION AND ALUMINUM DOME BOTTOM STRAINER. TRAP SEAL: PROVIDE TRAP SEAL PER SPECIFICATIONS FOR ACTUAL HUB DRAIN MODEL AND SIZE. ICE MAKER BOX: GUY GRAY MODEL # BIM875, 20 GAUGE GALVANIZED STEEL BOX. 18 GAUGE STEEL FACEPLATE. BOTTOM INLET WATER SUPPLY WITH LEAD FREE 1/2" x 1/4" COMPRESSION ANGLE STOP VALVE. TRIM: LOOP 4 FEET OF 1/4" TYPE "K" SOFT COPPER TUBING AND PROVIDE EQUIPMENT CONNECTION JUG FILLING HYDRANT: MIFAB #MHY-30 LEAD FREE CHROME PLATE BRONZE, WITH INTEGRAL ANTI-SIPHON BACKFLOW PREVENTER, 3/4" MALE INLET, 3/4" THREADED HOSE CONNECTION, WITH LOOSE KEY HANDLE, HYDRANT LENGTH AS REQUIRED FOR INSTALLED WALL. PROVIDE WITH ONE EXTRA LOOSE KEY HANDLE. MOUNT AT 3'-0" AFF JS1 JANITOR'S SINK: FLORESTONE # MSR-2424, 24" X 24" X 10" MOLDED ONE PIECE BASIN WITH INTEGRAL STAINLESS STEEL DRAIN BODY. FAUCET: CHICAGO FAUCET # 897-CP FAUCET WITH WALL BRACE,

INTEGRAL VACUUM BREAKER, PAIL HOOK, AND 3/4" MALE HOSE THREADED OUTLET. SECURE FAUCET IN WALL WITH BACKBOARD. TRIM: # BP TYPE 304, 20 GAUGE, STAINLESS STEEL WALL SURROUNDS, # T-35 THREE FOOT LONG REINFORCED HOSE WITH 3/4" CHROME COUPLING AND WALL HOOK, # V-70 EXTRUDED VINYL BUMPER GUARD, AND # T-40 24" STAINLESS STEEL MOP HANGER LABORATORY GAS COCK: (DOUBLE TURRET DECK MOUNTED) CHICAGO FAUCET # 982-909-957-3KAGV - VANDAL RESISTANT CHROME PLATED BRASS BODY DOUBLE TURRET WITH 3/8" OUTLETS AND INLET; CHICAGO # 957-3K 3/8" NPT THREADED BRASS INLET SHANK WITH LOCKNUT AND WASHER; TWO LOW PRESSURE GAS COCKS WITH CHROME PLATED BRASS BODY, 3/8" NPT INLETS, HOSE BARB AND LEVER HANDLE WITH COLOR CODED INDEX BUTTON READING GAS. SECURELY BRACE GAS COCK TO THE CASEWORK COUNTERTOP. LABORATORY SERVICE PANEL: ISIMET-LSP-2211-3-F-U, 3/4" LINE SIZE SOLENOID VALVE PROVIDED INSIDE LABORATORY 24"H X 24"W X 6"D SERVICE PANEL. FURNISH LABORATORY SERVICE PANEL TO DIVISION 26 FOR INSTALLATION. REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION. REFER TO SPECIFICATION SECTION 229000 FOR MORE INFORMATION. PROVIDE CONNECTION TO SOLENOID VALVE. WALL-MOUNTED LAVATORY (ADA ACCESSIBLE): AMERICAN STANDARD # 0355.012 "LUCERNE" 20-1/2" X 18-1/4" RECTANGULAR WALL MOUNTED

WHITE VITREOUS CHINA FIXTURE WITH FAUCET LEDGE AND FRONT FAUCET: SLOAN # EFX-250-CP SINGLE HOLE, BATTERY, SENSOR OPERATED FAUCET LESS WITH "Y" STRAINER FILTERED SOLENOID VALVE AND 0.5 GPM AFRATOR TRIM: McGUIRE # 155A GRID DRAIN WITH TAILPIECE, McGUIRE # LF2165CCLK LEAD FREE BRASS LOOSE KEY COMPRESSION ANGLE STOP VALVES WITH RISERS AND ESCUTCHEONS, McGUIRE # B8872CF 1-1/4" 17 GAUGE CAST CHROME PLATED BRASS ADJUSTABLE P-TRAP AND WASTE ARM WITH CLEANOUT PLUG AND ESCUTCHEON, CONCEALED ARM CARRIER WITH STANCHIONS TO FLOOR, PLUMBEREX "PRO-EXTREME" # X-4222 INSULATION KIT FOR WATER AND WASTE THERMOSTATIC MIXING VALVE: POWERS # LFG480, SOLID LEAD FREE BRASS OR BRONZE BODY. THERMOSTATIC WAX ELEMENT. CORROSION RESISTANT INTERNAL PARTS, AND INTEGRAL CHECKS, ASSE 1070 COMPLIANT, CAPABLE OF 1.6 GPM WITH A 20 PSI DIFFERENTIAL AND A MINIMUM FLOW RATE OF 0.25 GPM SET TEMPERATURE TO 100F FOR SINGLE TEMPERATURE LAVATORIES. MOUNT BELOW THE PLUMBING

NEUTRALIZING TANK: ORION "STYLE 10", 2 GALLON, OPAQUE, 10,16" HIGH x 9" DIAMETER, TANK WITH 1-1/2" INLET AND 2" OUTLET, AND A 2" CALCIUM CARBONATE CONTENT. NON-FREEZE WALL HYDRANT: PRIER PRODUCTS # C-634NBX1, SATIN NICKEL PLATED BRASS 1" MALE INLET BY 3/4" FEMALE INLET, 3/4" THREADED HOSE CONNECTION I OOSE KEY HANDLE HYDRAN LENGTH AS REQUIRED FOR INSTALLED WALL THICKNESS, ADJUSTABLE WALL CLAMP, BRASS BOX WITH SATIN NICKEL PLATED FINISH AND INTEGRAL ASSE 1052 DOUBLE CHECK VACUUM BREAKER. OVERFLOW ROOF DRAIN: JAY R. SMITH # 1080Y (-E0X-C-R-LESS DOME) 15" DIAMETER CAST IRON BODY, FLASHING CLAMP, GRAVEL STOP. UNDERDECK CLAMP, SUMP RECEIVER, HUBLESS OUTLET, FIXED EXTENSION – HEIGHT AS REQUIRED BY INSTALLED INSULATION THICKNESS, CAST IRON DOME BOLTED OR LOCKED DOWN AND 2" HIGH

WATER DAM. PROVIDE OUTLET SIZE AS SHOWN ON PLANS. CAST IRON ROOF DRAIN DOME: MIFB # RG2016DDC ROOF GUARD CAST IRON 19" DIAMETER REPLACEMENT ROOF DOME. PRESSURE REDUCING VALVE: WATTS # LF223, LEAD FREE BRONZE BODY, STAINLESS STEEL SEAT, STAINLESS STEEL BOLTS, INLET AND OUTLET SIZE AS SHOWN ON PLANS, 25 - 75 PSI REDUCED PRESSURE RANGE. SET OUTLET PRESSURE TO XX PSI WITH FLOW RATE OF YY REMOTE CHILLER: ELKAY # ECH8 AIR COOLED CHILLER WITH 8.0 GALLONS PER HOUR CAPACITY, 50° F DRINKING WATER AT 80° F INLET RD1 ROOF DRAIN: JAY R. SMITH # 1010Y (-E0X-C-R-LESS DOME), 15" DIAMETER CAST IRON BODY, FLASHING CLAMP, GRAVEL STOP, UNDERDECK CLAMP, SUMP RECEIVER, HUBLESS OUTLET, FIXED EXTENSION – HEIGHT AS REQUIRED BY INSTALLED INSULATION THICKNESS, AND CAST IRON DOME BOLTED OR LOCKED DOWN.

PROVIDE OUTLET SIZE AS SHOWN ON PLANS. CAST IRON ROOF DRAIN DOME: MIFB # RG2016DDC ROOF GUARD CAST IRON 19" DIAMETER REPLACEMENT ROOF DOME. REMOTE PANIC ASSEMBLY: ISEMET # IP-0, EMERGENCY SHUT OFF BUTTON THAT INTEGRATES WITH LABORATORY SERVICE PANEL. REMOTE PANIC ASSEMBLY TO DIVISION 26 FOR INSTALLATION, REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION. REFER TO SPECIFICATION SECTION 229000 FOR MORE INFORMATION. REDUCED PRESSURE ZONE BACKFLOW PREVENTER: WATTS # 957-NRS, MEETING ASSE 1013, 304 STAINLESS STEEL BODY AND SLEEVE, QUARTER TURN TEST COCKS, RESILIENT SEATED NON-RISING STEM GATE VALVES AND WATTS #77F-DI-FDA EPOXY COATED CAST IRON STRAINER AND #957AG AIR GAP FITTING REDUCED PRESSURE ZONE BACKFLOW PREVENTER: WATTS # 009QT-S, MEETING ASSE 1013, CAST BRONZE BODY, QUARTER TURN TEST COCKS, QUARTER TURN BALL VALVES, BRONZE STRAINER, AND #

909AG AIR GAP FITTING. REDUCED PRESSURE ZONE BACKFLOW PREVENTER: WATTS # LF919QT, MEETING ASSE 1013, LEAD FREE CAST BRONZE BODY, QUARTER TURN TEST COCKS, QUARTER TURN BALL VALVES AND # 909AG AIR GAP FITTING. REDUCED PRESSURE ZONE BACKFLOW PREVENTER: WATTS # LF919QT-S, MEETING ASSE 1013, LEAD FREE CAST BRONZE BODY, QUARTER TURN TEST COCKS, QUARTER TURN BALL VALVES, LEAD FREE BRONZE STRAINER, AND # 909AG AIR GAP FITTING SOLIDS INTERCEPTOR: JAY R. SMITH #8714-ARIO, FABRICATED BODY, CAST IRON COVER, ACID-RESISTING ENAMEL COATING INSIDE AND OUT, PERFORATED STAINLESS STEEL BUCKET, AND 2" INLET AND

> SINK: SINK IS INTEGRAL WITH THE CASEWORK AND SPECIFIED IN ANOTHER DIVISION. FAUCET: CHICAGO FAUCET # 930-VR317XKCP SINGLE HOLE LEAD FREE FAUCET WITH VANDAL PROOF WRISTBLADE HANDLES, QUARTER TURN CERAMIC CARTRIDGES. 6" RIGID/SWING GOOSENECK SPOUT WITH ATMOSPHERIC VACUUM BREAKER, AND FULL FLOW NOZZLE. TRIM: CHICAGO # 1025-ABCP LEAD FREE BRASS LOOSE KEY COMPRESSION ANGLE STOP VALVES WITH ESCUTCHEONS, BRASSCRAFT SERIES "S1" BRAIDED STAINLESS STEEL FLEXIBLE RISERS, LENGTH AS REQUIRED, ORION # UTP 1-1/2" POLYPROPYLENE |FULL DROP UNION P-TRAP, PIPE TO WALL WITH ESCUTCHEON, ORION # RLNS 1-1/2" IPS TO MECHANICAL JOINT SINK ADAPTER AND ORION # WA-1 POLYPROPYLENE DRAIN WITH 1-1/2" IPS TAILPIECE. THERMOSTATIC MIXING VALVE: POWERS # LFG480, SOLID LEAD FREE BRASS OR BRONZE BODY, THERMOSTATIC WAX ELEMENT, CORROSION RESISTANT INTERNAL PARTS, AND INTEGRAL CHECKS, ASSE 1070 COMPLIANT, CAPABLE OF 1.6 GPM WITH A 20 PSI DIFFERENTIAL AND A MINIMUM FLOW RATE OF 0.25 GPM. SET TEMPERATURE TO 110F FOR DUAL TEMPERATURE LAVATORIES AND HAND SINKS, 100F FOR SINGLE TEMPERATURE LAVATORIES AND HAND SINKS AND 120F FOR SINKS.

MOUNT BELOW THE PLUMBING FIXTURE WHERE INDICATED ON SK2 SINK (ADA ACCESSIBLE): SINK IS INTEGRAL WITH THE CASEWORK AND SPECIFIED IN ANOTHER DIVISION. FAUCET: CHICAGO FAUCET # 930-VR317XKCP SINGLE HOLE LEAD FREE FAUCET WITH VANDAL PROOF WRISTBLADE HANDLES, QUARTER TURN CERAMIC CARTRIDGES, 6" RIGID/SWING GOOSENECK SPOUT WITH ATMOSPHERIC VACUUM BREAKER, AND FULL FLOW NOZZLE. TRIM: CHICAGO # 1025-ABCP LEAD FREE BRASS LOOSE KEY COMPRESSION ANGLE STOP VALVES WITH ESCUTCHEONS, BRASSCRAFT SERIES "S1" BRAIDED STAINLESS STEEL FLEXIBLE RISERS. LENGTH AS REQUIRED. ORION # UTP 1-1/2" POLYPROPYLENE FULL DROP UNION P-TRAP PIPE TO WALL WITH ESCUTCHEON ORION # RLNS 1-1/2" IPS TO MECHANICAL JOINT SINK ADAPTER AND ORION # WA-1 POLYPROPYLENE DRAIN WITH 1-1/2" IPS TAILPIECE. THERMOSTATIC MIXING VALVE: POWERS # LFG480, SOLID LEAD FREE BRASS OR BRONZE BODY. THERMOSTATIC WAX ELEMENT, CORROSION RESISTANT INTERNAL PARTS, AND INTEGRAL CHECKS, ASSE 1070 COMPLIANT, CAPABLE OF 1.6 GPM WITH A 20 PSI DIFFERENTIAL AND A MINIMUM FLOW RATE OF 0.25 GPM. SET TEMPERATURE TO 110F FOR DUAL TEMPERATURE LAVATORIES AND HAND SINKS, 100F FOR SINGLE TEMPERATURE LAVATORIES AND HAND SINKS AND 120F FOR SINKS. MOUNT BELOW THE PLUMBING FIXTURE WHERE INDICATED ON PLAN(S).

# PLUMBING FIXTURE SCHEDULE

PLAN MARK DESCRIPTION UNDERMOUNT SINK (ADA ACCESSIBLE): ELKAY # ELUHAD111655PD, 14" x 18-1/2" x 5-3/8" DEEP, SINGLE COMPARTMENT, SELF-RIMMING, 18 GAUGE TYPE 304 STAINLESS STEEL, FIXTURE WITH FAUCET LEDGE. PROVIDE A BEAD OF SILICONE CAULK BETWEEN THE SINK AND COUNTERTOP PER THE MANUFACTURES INSTALLATION INSTRUCTIONS. FAUCET: CHICAGO FAUCET # 201-A317ABVPAXKCP 8" SPREAD LEAD FREE FAUCET WITH VANDAL RESISTANT # 317 WRIST BLADE HANDLES, QUARTER TURN CERAMIC CARTRIDGES AND # E32VPJKCP 2.2 GPM AFRATOR TRIM: McGUIRE # LE2165CC LEAD FREE BRASS WHEEL HANDLE ANGLE STOP VALVES WITH RISERS AND ESCUTCHEONS. McGUIRE # 151M CUP STRAINER WITH 1-1/2" 17 GAUGE TAILPIECE, McGUIRE # B8912CF 1-1/2" 17 GAUGE CAST CHROME PLATED BRASS ADJUSTABLE P-TRAP WITH BRASS CLEANOUT AND ESCUTCHEON, AND PLUMBEREX "PRO-EXTREME" # X-4222 INSULATION KIT FOR WATER AND WASTE THERMOSTATIC MIXING VALVE: POWERS # LFG480. SOLID LEAD FREE BRASS OR BRONZE BODY. THERMOSTATIC WAX ELEMENT. CORROSION RESISTANT INTERNAL PARTS, AND INTEGRAL CHECKS, ASSE 1070 COMPLIANT, CAPABLE OF 1.6 GPM WITH A 20 PSI DIFFERENTIAL AND A MINIMUM FLOW RATE OF 0.25 GPM. SET TEMPERATURE TO 110F FOR

DUAL TEMPERATURE LAVATORIES AND HAND SINKS, 100F FOR SINGLE

TEMPERATURE LAVATORIES AND HAND SINKS AND 120F FOR SINKS.

MOUNT BELOW THE PLUMBING FIXTURE WHERE INDICATED ON

UNDERMOUNT SINK (ADA ACCESSIBLE): ELKAY # ELUHAD361855. 35-3/4" x 18-1/2" x 5-3/8" DEEP, DOUBLE COMPARTMENT, SELF-RIMMING, 18 GAUGE TYPE 304 STAINLESS STEEL. PROVIDE A BEAD OF SILICONE CAULK BETWEEN THE SINK AND COUNTERTOP PER THE MANUFACTURES INSTALLATION INSTRUCTIONS. FAUCET: CHICAGO FAUCET # 201-A317ABVPAXKCP 8" SPREAD LEAD FREE FAUCET WITH VANDAL RESISTANT # 317 WRIST BLADE HANDLES. QUARTER TURN CERAMIC CARTRIDGES AND # E32VPJKCP 2.2 GPM AFRATOR TRIM: McGUIRE # LF2165CC LEAD FREE BRASS WHEEL HANDLE ANGLE STOP VALVES WITH RISERS AND ESCUTCHEONS, (2) McGUIRE # 151M CUP STRAINERS WITH 1-1/2" 17 GAUGE TAILPIECE. McGUIRE # 111C16G17 1-1/2" 17 GAUGE CONTINUOUS WASTE, McGUIRE # B8912CF 1-1/2" 17 GAUGE CAST CHROME PLATED BRASS ADJUSTABLE P-TRAP WITH BRASS CLEANOUT AND ESCUTCHEON, AND PLUMBEREX # E03061 KITCHEN END OUTLET AND P-TRAP INSULATION KIT AND # X-4112 VALVE AND SUPPLY COVERS THERMOSTATIC MIXING VALVE: POWERS # LFG480. SOLID LEAD FREE BRASS OR BRONZE BODY. THERMOSTATIC WAX ELEMENT. CORROSION RESISTANT INTERNAL PARTS, AND INTEGRAL CHECKS, ASSE 1070 COMPLIANT, CAPABLE OF 1.6 GPM WITH A 20 PSI DIFFERENTIAL AND A MINIMUM FLOW RATE OF 0.25 GPM. SET TEMPERATURE TO 110F FOR DUAL TEMPERATURE LAVATORIES AND HAND SINKS, 100F FOR SINGLE TEMPERATURE LAVATORIES AND HAND SINKS AND 120F FOR SINKS. MOUNT BELOW THE PLUMBING FIXTURE WHERE INDICATED ON

HAND SINK (ADA ACCESSIBLE): ELKAY # #CHS-1716. 16-3/4" X 15-1/2 RECTANGULAR, WALL MOUNTED, 18 GAUGE TYPE 304 STAINLESS STEEL, BACKSPLASH AND SIDE BRACKETS AND WALL MOUNTING FAUCET: CHICAGO FAUCET # 631-218017AB 8" BACK MOUNT FAUCET WITH 7 1/4" - 8 3/4" ADJUSTABLE "G" SUPPLY ARMS, VANDAL RESISTANT #317 WRISTBLADE HANDLES, GN2A GOOSENECK SPOUT, # E61VP .5 GPM VANDAL RESISTANT LAMINAR FLOW AERATOR, QUARTER TURN CERAMIC CARTRIDGES TRIM: McGUIRE # "PRODRAIN2" GRID DRAIN WITH 1-1/2" 17 GAUGE TAILPIECE, McGUIRE # LF2165CCLK LEAD FREE BRASS LOOSE KEY COMPRESSION ANGLE STOP VALVES WITH RISERS AND ESCUTCHEONS

McGUIRE # B8912CF 1-1/2" 17 GAUGE CAST CHROME PLATED BRASS ADJUSTABLE P-TRAP AND WASTE ARM WITH CLEANOUT PLUG AND ESCUTCHEON, WALL BRACKET, PROVIDE BACKBOARD AND SECURE FIXTURE TO IT, AND PLUMBEREX "PRO-EXTREME" # X-4222 INSULATION KIT FOR WATER AND WASTE PIPES. THERMOSTATIC MIXING VALVE: POWERS # LFG480. SOLID LEAD FREE BRASS OR BRONZE BODY. THERMOSTATIC WAX ELEMENT, CORROSION RESISTANT INTERNAL PARTS, AND INTEGRAL CHECKS, ASSE 1070 COMPLIANT, CAPABLE OF 1.6 GPM WITH A 20 PSI DIFFERENTIAL AND A DUAL TEMPERATURE LAVATORIES AND HAND SINKS, 100F FOR SINGLE TEMPERATURE LAVATORIES AND HAND SINKS AND 120F FOR SINKS.

MOUNT BELOW THE PLUMBING FIXTURE WHERE INDICATED ON

Yaran yaran kalan ka

UTILITY SINK: ELKAY # WNSF-8124, ONE 24" x 24" x 14" DEEP COMPARTMENT, 8" HIGH BACKSPLASH, 14 GAUGE TYPE 304 STAINLESS STEEL, AND 16 GAUGE STAINLESS STEEL ADJUSTABLE LEGS. FAUCET: CHICAGO FAUCET #445-206578AB 3 3/8" BACK MOUNT FAUCET WITH 3" – 3 3/8" ADJUSTABLE "R" ARMS WITH INTEGRAL SHUT OFF. VANDAL RESISTANT # 369 LEVER HANDLES, L9 SWING SPOUT, # E1 FULL FLOW OUTLET, QUARTER TURN CERAMIC CARTRIDGES TRIM: ELKAY # LK24RT GRID STRAINER WITH LEVER HANDLE AND 1-1/2" TAILPIECE, AND 1-1/2" HARD COPPER TYPE "DWV" FABRICATED INDIRECT WASTE LINE ROUTED TO FLOOR SINK. THERMOSTATIC MIXING VALVE: POWERS # LFG480, SOLID LEAD FREE BRASS OR BRONZE BODY, THERMOSTATIC WAX ELEMENT, CORROSION RESISTANT INTERNAL PARTS, AND INTEGRAL CHECKS, ASSE 1070 COMPLIANT, CAPABLE OF 1.6 GPM WITH A 20 PSI DIFFERENTIAL AND A MINIMUM FLOW RATE OF 0.25 GPM. SET TEMPERATURE TO 110F FOR DUAL TEMPERATURE LAVATORIES AND HAND SINKS, 100F FOR SINGLE TEMPERATURE LAVATORIES AND HAND SINKS AND 120F FOR SINKS. MOUNT BELOW THE PLUMBING FIXTURE WHERE INDICATED ON

UNDERMOUNT SINK: ELKAY # DCFU1618, 16-1/2" x 18-1/4" x 8" DEEP. SINGLE COMPARTMENT, SELF-RIMMING, 18 GAUGE TYPE 304 STAINLESS STEEL, FIXTURE WITH FAUCET LEDGE. PROVIDE A BEAD OF SILICONE CAULK BETWEEN THE SINK AND COUNTERTOP PER THE MANUFACTURES INSTALLATION INSTRUCTIONS FAUCET: CHICAGO FAUCET # 201-A317ABVPAXKCP 8" SPREAD LEAD FREE FAUCET WITH VANDAL RESISTANT # 317 WRIST BLADE HANDLES, QUARTER TURN CERAMIC CARTRIDGES AND # E32VPJKCP 2.2 GPM TRIM: McGUIRE # LF2165CC LEAD FREE BRASS WHEEL HANDLE ANGLE STOP VALVES WITH RISERS AND ESCUTCHEONS, McGUIRE # 151M CUP STRAINER WITH 1-1/2" 17 GAUGE TAILPIECE, McGUIRE # B8912CF 1-1/2" 17 GAUGE CAST CHROME PLATED BRASS ADJUSTABLE P-TRAP WITH BRASS CLEANOUT AND ESCUTCHEON. THERMOSTATIC MIXING VALVE: POWERS # LFG480, SOLID LEAD FREE BRASS OR BRONZE BODY, THERMOSTATIC WAX ELEMENT, CORROSION RESISTANT INTERNAL PARTS, AND INTEGRAL CHECKS, ASSE 1070 COMPLIANT, CAPABLE OF 1.6 GPM WITH A 20 PSI DIFFERENTIAL AND A MINIMUM FLOW RATE OF 0.25 GPM. SET TEMPERATURE TO 110F FOR DUAL TEMPERATURE LAVATORIES AND HAND SINKS, 100F FOR SINGLE TEMPERATURE LAVATORIES AND HAND SINKS AND 120F FOR SINKS. MOUNT BELOW THE PLUMBING FIXTURE WHERE INDICATED ON PLAN(S).

UNDERMOUNT SINK (ADA ACCESSIBLE): ELKAY # ELUHAD161655PD, 18-1/2" x 18-1/2" x 6-7/8" DEEP, SINGLE COMPARTMENT, SELF-RIMMING, 18 GAUGE TYPE 304 STAINLESS STEEL, FIXTURE WITH FAUCET LEDGE. PROVIDE A BEAD OF SILICONE CAULK BETWEEN THE SINK AND COUNTERTOP PER THE MANUFACTURES INSTALLATION INSTRUCTIONS. FAUCET: CHICAGO FAUCET # 201-A317ABVPAXKCP 8" SPREAD LEAD FREE FAUCET WITH VANDAL RESISTANT # 317 WRIST BLADE HANDLES, QUARTER TURN CERAMIC CARTRIDGES AND # E32VPJKCP 2.2 GPM TRIM: McGUIRE # LF2165CC LEAD FREE BRASS WHEEL HANDLE ANGLE STOP VALVES WITH RISERS AND ESCUTCHEONS, McGUIRE # 151M CUP STRAINER WITH 1-1/2" 17 GAUGE TAILPIECE, McGUIRE # B8912CF 1-1/2" 17 GAUGE CAST CHROME PLATED BRASS ADJUSTABLE P-TRAP WITH BRASS CLEANOUT AND ESCUTCHEON, AND PLUMBEREX "PRO-EXTREME" # X-4222 INSULATION KIT FOR WATER AND WASTE THERMOSTATIC MIXING VALVE: POWERS # LFG480, SOLID LEAD FREE BRASS OR BRONZE BODY. THERMOSTATIC WAX ELEMENT. CORROSION RESISTANT INTERNAL PARTS, AND INTEGRAL CHECKS, ASSE 1070 COMPLIANT, CAPABLE OF 1.6 GPM WITH A 20 PSI DIFFERENTIAL AND A MINIMUM FLOW RATE OF 0.25 GPM. SET TEMPERATURE TO 110F FOR DUAL TEMPERATURE LAVATORIES AND HAND SINKS, 100F FOR SINGLE TEMPERATURE LAVATORIES AND HAND SINKS AND 120F FOR SINKS. MOUNT BELOW THE PLUMBING FIXTURE WHERE INDICATED ON

UNDERMOUNT SINK: ELKAY # ELUH361710, 35-3/4" x 18-1/2" x 10" DEEP, DOUBLE COMPARTMENT, SELF-RIMMING, 18 GAUGE TYPE 304 STAINLESS STEEL. PROVIDE A BEAD OF SILICONE CAULK BETWEEN THE SINK AND COUNTERTOP PER THE MANUFACTURES INSTALLATION INSTRUCTIONS. FAUCET: CHICAGO FAUCET # 201-A317ABVPAXKCP 8" SPREAD LEAD FREE FAUCET WITH VANDAL RESISTANT # 317 WRIST BLADE HANDLES, QUARTER TURN CERAMIC CARTRIDGES AND # E32VPJKCP 2.2 GPM TRIM: McGUIRE # LV2165CC LEAD FREE BRASS WHEEL HANDLE ANGLE STOP VALVES WITH RISERS AND ESCUTCHEONS, (2) McGUIRE # 151M CUP STRAINERS WITH 1-1/2" 17 GAUGE TAILPIECE, McGUIRE # 111C16G17 1-1/2" 17 GAUGE CONTINUOUS WASTE, McGUIRE # B8912CF 1-1/2" 17 GAUGE CAST CHROME PLATED BRASS ADJUSTABLE P-TRAP WITH BRASS CLEANOUT AND ESCUTCHEON. THERMOSTATIC MIXING VALVE: POWERS # LFG480, SOLID LEAD FREE BRASS OR BRONZE BODY. THERMOSTATIC WAX ELEMENT. CORROSION RESISTANT INTERNAL PARTS AND INTEGRAL CHECKS ASSE 1070 COMPLIANT, CAPABLE OF 1.6 GPM WITH A 20 PSI DIFFERENTIAL AND A MINIMUM FLOW RATE OF 0.25 GPM. SET TEMPERATURE TO 110F FOR DUAL TEMPERATURE LAVATORIES AND HAND SINKS, 100F FOR SINGLE TEMPERATURE LAVATORIES AND HAND SINKS AND 120F FOR SINKS. MOUNT BELOW THE PLUMBING FIXTURE WHERE INDICATED ON PLAN(S).

PLAN(S).

## PLUMBING FIXTURE SCHEDULE PLAN MARK

UNDERMOUNT SINK (ADA ACCESSIBLE): ELKAY # ELUHAD31186. 30-3/4" x 18-1/2" x 5-3/8" DEEP. DOUBLE COMPARTMENT. SELF-RIMMING. 18 GAUGE TYPE 304 STAINLESS STEEL. PROVIDE A BEAD OF SILICONE CAULK BETWEEN THE SINK AND COUNTERTOP PER THE MANUFACTURES INSTALLATION INSTRUCTIONS. FAUCET: CHICAGO FAUCET # 201-A317ABVPAXKCP 8" SPREAD LEAD FREE FAUCET WITH VANDAL RESISTANT # 317 WRIST BLADE HANDLES, QUARTER TURN CERAMIC CARTRIDGES AND # E32VPJKCP 2.2 GPM TRIM: McGUIRE # LV2165CC LEAD FREE BRASS WHEEL HANDLE ANGLE STOP VALVES WITH RISERS AND ESCUTCHEONS. (2) McGUIRE # 151M CUP STRAINERS WITH 1-1/2" 17 GAUGE TAILPIECE, McGUIRE # 111C16G17 1-1/2" 17 GAUGE CONTINUOUS WASTE, McGUIRE # B8912CF 1-1/2" 17 GAUGE CAST CHROME PLATED BRASS ADJUSTABLE P-TRAP WITH BRASS CLEANOUT AND ESCUTCHEON AND PLUMBEREX "PRO-EXTREME" # X-4222 INSULATION KIT FOR WATER AND WASTE THERMOSTATIC MIXING VALVE: POWERS # LFG480, SOLID LEAD FREE BRASS OR BRONZE BODY, THERMOSTATIC WAX ELEMENT, CORROSION RESISTANT INTERNAL PARTS, AND INTEGRAL CHECKS, ASSE 1070 COMPLIANT, CAPABLE OF 1.6 GPM WITH A 20 PSI DIFFERENTIAL AND A MINIMUM FLOW RATE OF 0.25 GPM. SET TEMPERATURE TO 110F FOR DUAL TEMPERATURE LAVATORIES AND HAND SINKS, 100F FOR SINGLE TEMPERATURE LAVATORIES AND HAND SINKS AND 120F FOR SINKS. MOUNT BELOW THE PLUMBING FIXTURE WHERE INDICATED ON

SINK: SINK IS INTEGRAL WITH THE CASEWORK AND SPECIFIED IN ANOTHER DIVISION FAUCET: CHICAGO FAUCET # 201-A317ABVPAXKCP 8" SPREAD LEAD FREE FAUCET WITH VANDAL RESISTANT # 317 WRIST BLADE HANDLES. QUARTER TURN CERAMIC CARTRIDGES AND # E32VPJKCP 2.2 GPM TRIM: CHICAGO # 1025-ABCP LEAD FREE BRASS LOOSE KEY COMPRESSION ANGLE STOP VALVES WITH ESCUTCHEONS. BRASSCRAFT SERIES "S1" BRAIDED STAINLESS STEEL FLEXIBLE RISERS, LENGTH AS REQUIRED, ORION # UTP 1-1/2" POLYPROPYLENE FULL DROP UNION P-TRAP, PIPE TO WALL WITH ESCUTCHEON, ORION # RLNS 1-1/2" IPS TO MECHANICAL JOINT SINK ADAPTER AND ORION # WA-1 POLYPROPYLENE DRAIN WITH 1-1/2" IPS TAILPIECE. THERMOSTATIC MIXING VALVE: POWERS # LFG480, SOLID LEAD FREE BRASS OR BRONZE BODY. THERMOSTATIC WAX ELEMENT, CORROSION RESISTANT INTERNAL PARTS, AND INTEGRAL CHECKS, ASSE 1070 COMPLIANT, CAPABLE OF 1.6 GPM WITH A 20 PSI DIFFERENTIAL AND A MINIMUM FLOW RATE OF 0.25 GPM. SET TEMPERATURE TO 110F FOR DUAL TEMPERATURE LAVATORIES AND HAND SINKS, 100F FOR SINGLE TEMPERATURE LAVATORIES AND HAND SINKS AND 120F FOR SINKS.

MOUNT BELOW THE PLUMBING FIXTURE WHERE INDICATED ON SINK: ELKAY # WNSF-8248, TWO 24" x 24" x 14" DEEP COMPARTMENTS 8" HIGH BACKSPLASH, 14 GAUGE TYPE 304 STAINLESS STEEL, AND 16 GAUGE STAINLESS STEEL ADJUSTABLE LEGS. FAUCET: CHICAGO FAUCET # 445-L9RABXKCP LEAD FREE ADJUSTABLE DECK MOUNTED FAUCET WITH # 369 LEVER HANDLES, QUARTER TURN CERAMIC CARTRIDGES AND # E1JKRCF OUTLET. TRIM: (2) ELKAY # LK24RT GRID STRAINERS WITH LEVER HANDLE AND 1-1/2" TAILPIECE, AND 1-1/2" HARD COPPER TYPE "DWV" FABRICATED INDIRECT WASTE LINE ROUTED TO FLOOR SINK. ISHOWER VALVE: WATTS "HYDROGUARD" # PB410. PISTON TYPE PRESSURE BALANCING MIXING VALVE WITH BRASS STEM, MEETING ASSE 1016P, SINGLE BLADE LEVER HANDLE, SET ADJUSTABLE LIMIT STOP SCREW TO 110F, INTEGRAL SERVICE STOPS, 1.5 GPM "HYDROGUARD" SHOWER HEAD WITH ARM AND FLANGE. SHOWER VALVE (ADA ACCESSIBLE): WATTS "HYDROGUARD" # PB410,

PISTON TYPE PRESSURE BALANCING MIXING VALVE WITH BRASS

STEM, MEETING ASSE 1016P, SINGLE BLADE LEVER HANDLE, SET

ADJUSTABLE LIMIT STOP SCREW TO 110F. INTEGRAL SERVICE STOPS.

DIVERTER VALVE, 1.5 GPM "HYDROGUARD" SHOWER HEAD WITH ARM

AND FLANGE 2.5 GPM WALL / HAND SHOWER WITH FLEXIBLE METAL

HOSE, IN-LINE VACUUM BREAKER, WALL CONNECTION AND FLANGE, AND 30" SLIDE BAR. THERMOSTATIC MIXING VALVE: POWERS # LFG480, SOLID LEAD FREE BRASS OR BRONZE BODY. THERMOSTATIC WAX ELEMENT. CORROSION RESISTANT INTERNAL PARTS, AND INTEGRAL CHECKS, ASSE 1070 COMPLIANT, CAPABLE OF 1.6 GPM WITH A 20 PSI DIFFERENTIAL AND A MINIMUM FLOW RATE OF 0.25 GPM. SET TEMPERATURE TO 110F FOR DUAL TEMPERATURE LAVATORIES AND HAND SINKS, 100F FOR SINGLE

TEMPERATURE LAVATORIES AND HAND SINKS AND 120F FOR SINKS. MOUNT BELOW THE PLUMBING FIXTURE WHERE INDICATED ON TRAP PRIMER: PRECISION PLUMBING PRODUCTS # PR-500 "PRIME RITE", CORROSION RESISTANT BRASS BODY, "O" RING SEALS, 1/2" INLET AND OUTLET, AND INTEGRAL VACUUM BREAKER. INSTALL THE VALVE AT A MINIMUM OF 12" ABOVE FINISHED FLOOR. TIME SWITCH: INTERMATIC #ET1705CSPST, 7 DAY, ONE CIRCUIT-SINGLE POLE SINGLE THROW, ELECTRONIC TIME SWITCH OR EQUAL BY TORK. TIME SWITCH SHALL BE MOTOR RATED (1 H.P. @ 120

VOLT, SINGLE PHASE), MINIMUM OF 20 SET POINTS (14 ON/OFF CYCLES) AND BATTERY BACK UP. COORDINATE WITH DIVISION 16 FOR INSTALLATION AND INTERLOCK OF TIME SWITCH IN SERIES WITH THE AQUASTAT AND RECIRCULATION PUMP. URINAL: AMERICAN STANDARD # 6561,017 "TRIMBROOK" WHITE VITREOUS CHINA FIXTURE WITH FLUSHING RIM, 3/4" TOP SPUD, AND SIPHON FLUSH ACTION VALVE - TOTO TEU1GNC-22, "ECO-POWER" WATER TURBINE AND BATTERY POWERED, 1.0 GALLON PER FLUSH, EXPOSED, CHROME-PLATED, SENSOR OPERATED PISTON TYPE FLUSH VALVE MECHANICAL OVERRIDE PUSH BUTTON, WITH BRASS PISTON WITH CHLORAMINE RESISTANT SEAT AND SEALS AND SELF-CLEANING

MECHANISM, ESCUTCHEON, INTEGRAL SCREWDRIVER STOP, VACUUM BREAKER, 1-1/4" FLUSH TUBE AND SWEAT ADAPTER KIT. TRIM: SUITABLE CARRIER WITH STANCHIONS TO FLOOR. URINAL (ADA ACCESSIBLE): AMERICAN STANDARD # 6561.017 "TRIMBROOK" WHITE VITREOUS CHINA FIXTURE WITH FLUSHING RIM, 3/4" TOP SPUD, AND SIPHON FLUSH ACTION. VALVE - TOTO TEU1GNC-22, "ECO-POWER" WATER TURBINE AND BATTERY POWERED, 1.0 GALLON PER FLUSH, EXPOSED, CHROME-PLATED, SENSOR OPERATED PISTON TYPE FLUSH VALVE MECHANICAL OVERRIDE PUSH BUTTON, WITH BRASS PISTON WITH CHLORAMINE RESISTANT SEAT AND SEALS AND SELF-CLEANING MECHANISM. ESCUTCHEON, INTEGRAL SCREWDRIVER STOP, VACUUM BREAKER, 1-1/4" FLUSH TUBE AND SWEAT ADAPTER KIT TRIM: SUITABLE CARRIER WITH STANCHIONS TO FLOOR. WALL-MOUNTED WATER CLOSET: AMERICAN STANDARD # 2257.001 "AFWALL" WHITE VITREOUS CHINA FIXTURE WITH ELONGATED UNIVERSAL BOWL AND DIRECT-FED SIPHON JET ACTION. VALVE: TOTO TET1GNC-32. "ECO-POWER" WATER TURBINE AND BATTERY POWERED, 1.6 GALLON PER FLUSH, EXPOSED, CHROME-PLATED, SENSOR OPERATED PISTON TYPE FLUSH VALVE MECHANICAL OVERRIDE PUSH BUTTON, WITH BRASS PISTON WITH

TRIM: CHURCH # 9500SSC WHITE OPEN-FRONT CONTOURED, SOLID PLASTIC, HEAVY DUTY, SEAT LESS COVER WITH SELF-SUSTAINING CHECK HINGES AND STAINLESS STEEL BOLTS. PROVIDE SUITABLE FIXTURE CARRIER. WALL-MOUNTED WATER CLOSET (ADA ACCESSIBLE): AMERICAN STANDARD # 2257.001 "AFWALL" WHITE VITREOUS CHINA FIXTURE WITH ELONGATED UNIVERSAL BOWL AND DIRECT-FED SIPHON JET ACTION. VALVE: TOTO TET1GNC-32. "ECO-POWER" WATER TURBINE AND BATTERY POWERED, 1.6 GALLON PER FLUSH, EXPOSED, CHROME-PLATED, SENSOR OPERATED PISTON TYPE FLUSH VALVE MECHANICAL OVERRIDE PUSH BUTTON, WITH BRASS PISTON WITH CHLORAMINE RESISTANT SEAT AND SEALS AND SELF-CLEANING MECHANISM. ESCUTCHEON. INTEGRAL SCREWDRIVER STOP. VACUUM BREAKER, AND SWEAT ADAPTER KIT. TRIM: CHURCH # 9500SSC WHITE OPEN-FRONT CONTOURED, SOLID PLASTIC, HEAVY DUTY, SEAT LESS COVER WITH SELF-SUSTAINING CHECK HINGES AND STAINLESS STEEL

BOLTS. PROVIDE SUITABLE FIXTURE CARRIER

CHLORAMINE RESISTANT SEAT AND SEALS AND SELF-CLEANING

BREAKER, AND SWEAT ADAPTER KIT.

MECHANISM, ESCUTCHEON, INTEGRAL SCREWDRIVER STOP, VACUUM

AND IRON PLUG WITH GASKET SEAL. REFER TO SPECIFICATIONS FOR INSTALLATION. THREE STATION LAVATORY: BRADLEY "VERGE" # LVSD3-SHANK-GLACIER-STAIN 90" RECTANGULAR WALL HUNG MULTI-LAV STAINLESS STEEL FRONT ACCESS PANEL, AND WASTE, LESS LIQUID SOAP DISPENSER. ANCHOR BACKSPLASH AND HOUSING FRAMEWORK SECURELY TO WALL. INSTALLATION SHALL CONFORM TO ADA REQUIREMENTS. INSTALL "WCO" UNDERNEATH WASTE 3 FAUCETS: SLOAN # EFX-250-CP SINGLE HOLE, BATTERY, SENSOR OPERATED FAUCET LESS WITH "Y" STRAINER FILTERED SOLENOID VALVE AND 0.5 GPM AFRATOR THERMOSTATIC MIXING VALVE: POWERS # LFG480. SOLID LEAD FREE BRASS OR BRONZE BODY THERMOSTATIC WAX FLEMENT CORROSION RESISTANT INTERNAL PARTS, AND INTEGRAL CHECKS, ASSE 1070

COMPLIANT, CAPABLE OF 1.6 GPM WITH A 20 PSI DIFFERENTIAL AND A

MINIMUM FLOW RATE OF 0.25 GPM. SET TEMPERATURE TO 110F FOR

DUAL TEMPERATURE LAVATORIES AND HAND SINKS, 100F FOR SINGLE

TEMPERATURE LAVATORIES AND HAND SINKS AND 120F FOR SINKS.

MOUNT BELOW THE PLUMBING FIXTURE WHERE INDICATED ON

WALL CLEANOUT: JAY R. SMITH # 4530S. CAST IRON CLEANOUT TEE.

COUNTER SUNK PLUG, STAINLESS STEEL ROUND COVER AND SCREW,

PLUMBING FIXTURE SCHEDULE **PLAN MARK** 

THREE STATION LAVATORY: BRADLEY # SN2003-A-AST4-STD-TMA-NSD-BS 36" ELLIPTICAL FLOOR MOUNTED MULTI-LAV OF 16 GAUGE STAINLESS STEEL CONSTRUCTION WITH BACKSPLASH, INDIVIDUAL PNEUMATIC SECTIONAL CONTROLS, 0.5 GPM VANDAL RESISTANT SPRAY NOZZLES, INDIVIDUAL CHECKSTOPS, INTEGRAL THERMOSTATIC MIXING VALVE AND WASTE, LESS LIQUID SOAP DISPENSOR. ANCHOR BACKSPLASH AND HOUSING FRAMEWORK SECURELY TO WALL AND FLOOR. INSTALLATION SHALL CONFORM TO ADA REQUIREMENTS. INSTALL "WCO" UNDERNEATH WASTE CONNECTION. TRIM: McGUIRE # LF2165CC LEAD FREE WHEEL HANDLE ANGLE STOP VALVES WITH RISERS AND ESCUTCHEONS. McGUIRE # 8912-C-F 1-1/2" 17 GAUGE TUBULAR CHROME PLATED BRASS ADJUSTABLE P-TRAP WITH BRASS CLEANOUT AND ESCUTCHEON. THERMOSTATIC MIXING VALVE: POWERS # LFG480, SOLID LEAD FREE BRASS OR BRONZE BODY, THERMOSTATIC WAX ELEMENT, CORROSION RESISTANT INTERNAL PARTS, AND INTEGRAL CHECKS, ASSE 1070 COMPLIANT, CAPABLE OF 1.6 GPM WITH A 20 PSI DIFFERENTIAL AND A MINIMUM FLOW RATE OF 0.25 GPM. SET TEMPERATURE TO 110F FOR DUAL TEMPERATURE LAVATORIES AND HAND SINKS, 100F FOR SINGLE TEMPERATURE LAVATORIES AND HAND SINKS AND 120F FOR SINKS. MOUNT BELOW THE PLUMBING FIXTURE WHERE INDICATED ON

SINGLE STATION LAVATORY: BRADLEY "VERGE" #

LVSD1-SHANK-GLACIER-STAIN 90" RECTANGULAR WALL HUNG MULTI-LAV STAINLESS STEEL FRONT ACCESS PANEL. AND WASTE. LESS LIQUID SOAP DISPENSER. ANCHOR BACKSPLASH AND HOUSING FRAMEWORK SECURELY TO WALL. INSTALLATION SHALL CONFORM TO ADA REQUIREMENTS. INSTALL "WCO" UNDERNEATH WASTE CONNECTION FAUCET: SLOAN # EFX-250-CP SINGLE HOLE, BATTERY, SENSOR OPERATED FAUCET LESS WITH "Y" STRAINER FILTERED SOLENOID VALVE AND 0.5 GPM AERATOR THERMOSTATIC MIXING VALVE: POWERS # LFG480, SOLID LEAD FREE BRASS OR BRONZE BODY, THERMOSTATIC WAX ELEMENT, CORROSION RESISTANT INTERNAL PARTS, AND INTEGRAL CHECKS, ASSE 1070 COMPLIANT, CAPABLE OF 1.6 GPM WITH A 20 PSI DIFFERENTIAL AND A MINIMUM FLOW RATE OF 0.25 GPM. SET TEMPERATURE TO 110F FOR DUAL TEMPERATURE LAVATORIES AND HAND SINKS. 100F FOR SINGLE TEMPERATURE LAVATORIES AND HAND SINKS AND 120F FOR SINKS. MOUNT BELOW THE PLUMBING FIXTURE WHERE INDICATED ON WATER HAMMER ARRESTER: PRECISION PLUMBING PRODUCTS, HARD

DRAWN COPPER BODY WITH WROUGHT COPPER FITTINGS, PISTON TYPE WITH LUBRICATED EPDM "O" RING SEALS, MEETING ASSE 1010 OR PDI WH-201. PROVIDE PDI SIZES "A" THROUGH "F" AS SHOWN ON PLANS. PROVIDE SIZE "A" UNLESS SHOWN OTHERWISE ON THE PLANS. WASHING MACHINE BOX: GUY GRAY MODEL # B200TS, 20 GAUGE GALVANIZED STEEL BOX, 18 GAUGE STEEL FACEPLATE, TOP INLET WATER SUPPLIES WITH ANGLED WHEEL HANDLE 3/4" HOSE BIBBS, AND 2" BOTTOM OUTLET DRAIN. TRIM: PROVIDE 24" LONG TAIL PIECE AND 2" DIAMETER P-TRAP.

PACKAGE 3 - BUILDING & 10/08/20 REVISIONS ADDENDUM 002

DOMESTIC BOOSTER PUMP SCHEDULE TYPE DISCHARGE HEADER SUCTION HEADER NUMBER OF FLOW RATE PUMP HEADER SIZE HEADER SIZE ELECTRICAL (NOTE B) (GPM) CAPACITY (%) (IN.) (NOTE A) PRESSURE (PSI) PRESSURE (PSI) PUMPS | VOLTS | PHASE | HP | TANK SIZE (GAL.) | NOTES SERVICE MANUFACTURER MODEL 213 DOMESTIC GROUNDFOS CRE 15-3 T-VFD 75.99 36.38 A, B, C, D, E BOOSTER

BOOSTER PUMP CONFIGURATION TYPES: T-VFD = TRIPLEX W/ VARIABLE FREQUENCY DRIVE FOR EACH VERTICAL MULTI-STAGE PUMP (GRUNDFOS #CRE 15-3). REFER TO SPECIFICATIONS FOR MORE INFORMATION. MOTOR HORSEPOWER SHOWN IF FOR ONE PUMP.

PROVIDE WITH CONTROL PANEL. REFER TO SPECIFICATIONS FOR MORE INFORMATION.

MINIMUM DISCHARGE HEADER PRESSURE IS 77.99 PSI.

PROVIDE PUMPS WITH SCHEDULED DESIGN FLOW RATE WITH TOTAL DYNAMIC HEAD = DISCHARGE PRESSURE - SUCTION PRESSURE + 2PSI FOR SYSTEM LOSSES

	GAS PRESSU	JRE RE	GULATO	R SCHE	DULE FO	R 2 PSI SYS	TEMS
MARK	MANUFACTURER /	VALVE	VALVE BODY	MAX. FLOW	INLET PRESSURE	OUTLET PRESSURE	NOTES
	MODEL#	TYPE	SIZE (INCHES)	RATE CFH	PSI	INCHES WATER COLUMN	
GPR1	PIETRO-FIORENTINI 31051	С	1/2"	552	1	7"	A, B, C, D, E, F, G & H
GPR2	PIETRO-FIORENTINI 31153	С	1-1/4"	3,735	1	7"	A, B, C, D, E, F, G & H

C = SELF CONTAINED "DIRECT ACTING" DIAPHRAGM TYPE WITH INTERNAL VENT LIMITER

DROOP = 1" WATER COLUMN MAXIMUM 65# ALUMINUM BODY, SCREWED CONNECTIONS AND OVERPRESSURE PROTECTION TO 25#

MAXIMUM FLOW RATE SCHEDULED, MATCH BODY SIZE AND MAXIMUM FLOW RATE TO EQUIPMENT FLOW RATE. REFER TO EQUIPMENT SHOP DRAWINGS FOR EXACT LOADS LISTED TO MEET ANSI Z21.80 / CSA 6.22 WITH CSA LISTING STAMP ON REGULATOR BODY

GAS PRESSURE REGULATOR INLET PRESSURE = OPERATING PRESSURE - DESIGN FRICTION LOSS 2PSI MAXIMUM INLET PRESSURE & 1 PSI MINIMUM INLET PRESSURE

PROVIDE EXTERNAL VENT LIMITER (WHERE APPROVED BY LOCAL AUTHORITIES) FOR INDOOR INSTALLATION AND INSTAL PER SPECIFICATIONS. INSTALL OUTDOORS PER SPECIFICATIONS.

## FIXTURE BRANCH CONNECTION SCHEDULE

FIXTURE	COLD WATER	HOT WATER	WASTE	VENT
6" FLOOR DRAIN			6"	3"
DRINKING FOUNTAIN	1/2"		2"	1 1/2"
FLOOR DRAIN			2"	2"
JANITOR'S SINK	1/2"	1/2"	3"	2"
LAVATORY/HAND SINK	1/2"	1/2"	2"	1 1/2"
SINK	1/2"	1/2"	2"	2"
URINAL	1"	1"	2"	2"
WASHFOUNTAIN	1"	1"	2"	1 1/2"
WATER CLOSET (FLUSH VALVE)	1 1/4"		4"	2"

NOTE: PIPE SIZES SHOWN ARE MINIMUM.

NOTES:

## ELECTRIC STORAGE WATER HEATER SCHEDULE

				AREA	TANK SIZE	ELE	CTRICAL DATA		RECOVERY	
	MARK	MANUFACTURER	MODEL#	SERVED	(GALLONS)	VOLTS	PHASE	KW	(GPH)	NOTES
2	MH10~~	AQSWITH.	-#PEL-20	AREAE.	~~~20~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	mhm	~~~~	~12~	ABRE
<u> </u>	WH11	A.O. SMITH	#DRE-52	AREA S	50	480	3	15	61	A, C 3
`	NOTES:			<del>~~~</del>						

100°F TEMPERATURE RISE WITH 140°F OPERATING TEMPERATURE SINGLE ELEMENT

THREE ELEMENTS WIRED FOR SIMULTANEOUS OPERATION

FURNISH WITH IMMERSION THERMOSTAT "LOW BOY" DESIGN

	GAS S	STORA	GE '	WATE	R HEA	TER S	CHED	ULE	
			AREA	TANK SIZE	ELECTRIC	CAL DATA		RECOVERY	
MARK	MANUFACTURER	MODEL	SERVED	(GALLONS)	VOLTS	PHASE	INPUT (MBH)	(GPH)	NOTES
WH1	A.O. SMITH	#BTXL 100	AREA A	75	120	1	100	115	A, B, C, D
WH2	A.O. SMITH	#BTXL 100	AREA A	75	120	1	100	115	A, B, C, D
WH3	A.O. SMITH	#BTXL 100	AREA B	75	120	1	100	115	A, B, C, D
WH4	A.O. SMITH	#BTXL 100	AREA B	75	120	1	100	115	A, B, C, D
WH5	A.O. SMITH	#BTXL 100	AREA C	75	120	1	100	115	A, B, C, D
WH6	A.O. SMITH	#BTXL 100	AREA C	75	120	1	100	115	A, B, C, D
WH7	A.O. SMITH	#BTH 150	AREA G	100	120	1	150	178	A, B, C, D
WH8	A.O. SMITH	#BTH 150	AREA G	100	120	1	150	178	A, B, C, D
WH9	A.O. SMITH	#BTH 150	AREA G	100	120	1	150	178	A, B, C, D

100° TEMPERATURE RISE WITH 140°F OPERATING TEMPERATURE. AUTOMATIC FLUE DAMPER INTERLOCKED WITH WATER HEATER FIRE CONTROL.

FURNISH WITH A. O. SMITH # 9003910105 FACTORY COMBUSTION AIR INTAKE AND EXHAUST KIT. FURNISH WITH CONDENSATE NEUTRALIZATION KIT TO MATCH HEATER INPUT, AO SMITH # CNS SERIES

	Pl	LUMBING	G EXI	PANS	ION TA	ANK S	CHEDL	JLE
	MARK	MANUFACTURER	MODEL	TANK SIZE (GALLONS)	MIN. ACCEPTANCE VOLUME (GALLONS)	AIR PRESSURE SETTING (PSI)	SERVICE	NOTES
	ET1	AMTROL	ST-25V	10.3	4.6	125	WH1 WH2	Α
•	ET2	AMTROL	ST-25V	10.3	4.6	125	WH3 WH4	Α
	ET3	AMTROL	ST-25V	10.3	4.6	125	WH5 WH6	Α
	ET5	AMTROL	ST-60V	34	15.3	125	WH7 WH8 WH9	Α
$\sqrt{2}$	~FT6~	AMTROL	ST-5	~~~	~~~~	125	~~WH10~~	~~~~
<u> </u>	ET7	AMTROL	ST-8	3.2	1.4	125	WH11	Α }
•	NOTES:							

A. CHARGE TANK WITH AIR TO IDENTICAL PRESSURE AS STATIC DOMESTIC WATER PRESSURE.

	REC	IRCL	JLATION	I PL	JMP	SCHE	DU	LE		
					HEAD	CONNECTION	ELECT	RICAL	DATA	
MARK	MANUFACTURER	MODEL	LOCATION	GPM	(FT.)	SIZE	VOLTS	PH	P	NOTES
RP1	BELL & GOSSETT	NBF-45	LVL1 - AREA A	5.5	17	1 1/4"	120	1	1/18	A, B, C, D
RP2	BELL & GOSSETT	NBF-45	LVL1 - AREA B	5.5	17	1 1/4"	120	1	1/18	A, B, C, D
RP3	BELL & GOSSETT	NBF-45	LVL1 - AREA C	5.5	17	1 1/4"	120	1	1/18	A, B, C, D
RP4	BELL & GOSSETT	NBF-12U	LVL1 - AREA F	1	11	3/4"	120	1	1/18	A, B, C, D
BR5~	BELL& GOSSETT	NBF-36	JULI AREAG	~~~	~~~	~~1-1/4"~~	~120~	$\sim$	1/6~	AB,C-D
RP6	BELL & GOSSETT	NBF-12U	LVL1 - AREA S	1.5	11	1"	120	1	1/6	A, B, C, D
$\overline{\mathcal{L}}$				سسر	$\sim$					

A. ALL LEAD FREE CAST BRONZE BOOSTER. PROVIDE WITH STRAINER UPSTREAM OF PUMP.

PROVIDE ADJUSTABLE, SURFACE MOUNTED AQUASTAT - HONEYWELL L6006C. SET AQUASTAT TO SHUT OFF RECIRCULATION PUMP AT WATER HEATER SET POINT AND ON AT 10°F

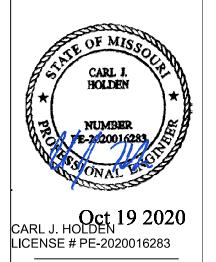
ELEV	ATOR S	SUMP	PUMP	SCHE	DULE	(3/4 H	P AND	SMAL	LER)
					DISCHARGE		ELECTRICAL		
MARK	MANUFACTURER	MODEL	GPM	HEAD (FT.)	SIZE (IN.)	VOLTS	PH	HP	NOTES
ESP1	WEIL	1411-538	50	21	2"	120	3	0.5	A, B, C, D, E

NOTES:

PROVIDE WEIL #8245 FLOAT SWITCH WITH POWER CORD AND PIGGYBACK PLUG. PROVIDE WITH WEIL #8341K1015 HIGH LEVEL ALARM WITH AUXILIARY CONTACT, REFER TO SPECIFICATIONS. PROVIDE 2" DISCHARGE PIPING, SHUTOFF VALVE AND ZOELLER #30-0030 FLAPPER NON-CLOG CHECK VALVE.

REFER TO DETAIL FOR MORE INSTALLATION INFORMATION. E. INSTALL IN 24"SQUARE x 24" DEEP SUMP PIT LOCATED IN ELEVATOR PIT, SEE ARCHITECTURAL DRAWINGS.

DLR Group



HENDERSON
ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001

LEE'S SUMMIT R-7 SCHOOL DISTRICT

PACKAGE 3 - BUILDING & SITE

10/08/20 REVISIONS ADDENDUM 002

PLUMBING RISER DIAGRAMS

P8.5

www.

MANUFACTURER. DIVISION 26 CONTRACTOR TO PROVIDE ALL INTERCONNECTION BETWEEN DISHWASHER EXHAUST HOOD AND ROOF MOUNTED EQUIPMENT TO PROVIDE A FULLY FUNCTIONAL SYSTEM. COORDINATE REQUIREMENTS WITH K. DIVISION 26 CONTRACTOR TO PROVIDE NON-FUSED/FUSED SWITCH SIZED PER EQUIPMENT MANUFACTURER'S SPECIFICATIONS AND NEC.

 $\lambda$ 

LVL1 - AREA S L1S 49,51

LVL1 - AREA S L1S LVL1 - AREA S L1S LVL1 - AREA S L1S

LVL1 - AREA S H1S

LVL1 - AREA S H1S

1. COORDINATE ALL FINAL CONNECTIONS WITH MECHANICAL CONTRACTOR

3. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH DIVISION 22 AND 23 CONTRACTORS TO PROVIDE EXACT POWER REQUIREMENTS FOR ALL

SUBMITTED EQUIPMENT THAT DIFFERS FROM THE BASIS OF DESIGN.

A. DISCONNECTING MEANS (FRACTIONAL HP SWITCH, (FUSED) DISCONNECT

B. PROVIDE UNIT MOUNTED FRACTIONAL HP MOTOR RATED SWITCH AS

SWITCH) AND/OR CONTROLLER (STARTER, VFD) PROVIDED BY DIVISION 23

C. INDOOR UNIT OF SPLIT SYSTEM POWERED VIA OUTDOOR CONDENSING UNIT.

REFER TO MANUFACTURER'S INSTRUCTIONS FOR PROPER INSTALLATION.

F. DISCONNECTING MEANS PROVIDED BY LOCKABLE CIRCUIT BREAKER, RE: ONE-

G. EQUIPMENT PROVIDED BY DIVISION 23 CONTRACTOR, INSTALLED BY DIVISION 26 CONTRACTOR. CONTRACTOR SHALL CONFIRM CONTROLLER/EQUIPMENT

H. MAKE UP AIR UNIT HAS TWO POWER CONNECTIONS. CIRCUIT AS SHOWN ON PLAN. COORDINATE EXACT REQUIREMENTS WITH MANUFACTURER.

DIVISION 26 CONTRACTOR TO PROVIDE ALL INTERCONNECTION BETWEEN KITCHEN EXHAUST HOOD AND ROOF MOUNTED EQUIPMENT TO PROVIDE A

FULLY FUNCTIONAL SYSTEM. COORDINATE REQUIREMENTS WITH

D. DISCONNECTING MEANS PROVIDED VIA CORD AND PLUG CONNECTION. E. LINE VOLTAGE POWER CONNECTED TO DIVISION 23 PROVIDED LOW VOLTAGE, UNIT MOUNTED, EQUIPMENT TRANSFORMER. RE: MECHANICAL PLANS FOR

REFER TO MECHANICAL SCHEDULES FOR ADDITIONAL INFORMATION WITHIN

DIVISION 26 SCOPE SUCH AS INTERLOCKING WITH CONTROLS OR OTHER

LVL1 - AREA S

LVL1 - AREA S LVL1 - AREA S

LVL1 - AREA S L1S

LVL1 - AREA S H1S 127,129,131

H1S

H1S

H1S

H1S

H1S

LVL1 - AREA S H1S 119,121,123

H1S

COMPUTER ROOM - INDOOR CR 14

COMPUTER ROOM - OUTDOOR

CU 14

Recirculation Pump

UNIT HEATER ELECTRIC

EUH 9

EUH 10

PRIOR TO ROUGH-INS.

DISCONNECTING MEANS.

ADDITIONAL REQUIREMENTS.

CONTRACTOR OR FACTORY MOUNTED.

LINE DIAGRAM (E8.X) OR PANEL SCHEDULES (E6.X).

PAIRING WITH MECHANICAL PLANS AND SCHEDULES.

**GENERAL NOTES:** 

EQUIPMENT.

Electric Storage Water Heater

LOCATION PANEL CIRCUIT NOTES

89,91,93

103,105,107

111,113,115

LVL1 - AREA S L1S 49,51 B,C

L. PROVIDE AN INTEGRAL HORSEPOWER MANUAL CONTROLLER WITH AUXILIARY CONTACT TO PROVIDE DISCONNECTING MEANS AND INTERFACE WITH BAS SYSTEM. COORDINATE REQUIREMENTS WITH BAS SYSTEM. 

# **ELECTRICAL PLAN NOTES:**

E8 LOCKER ROOM KEYED SWITCH(ES) AND OCCUPANCY SENSORS TO CONTROL ALL LIGHTING ASSOCIATED WITH EACH LOCKER ROOMS: BOTH VESTIBULES, LOCKER ROOM

E39 CONTRACTOR TO PROVIDE CONNECTION FOR CIRCULATION PUMP TIMER TO BE FED FROM SAME CIRCUIT AS CIRCULATION PUMP. COORDINATE INSTALLATION REQUIREMENTS WITH EQUIPMENT MANUFACTURER'S BE CONTROLLED BY COMBINATION OF PHOTOCELL AND ASTRONOMICAL TIME CLOCK. REFER TO LIGHTING

SEQUENCE OF OPERATIONS FOR PROGRAMMING INFORMATION. E86 PROVIDE POWER CONNECTION TO DOOR HARDWARE POWER SUPPLY. COORDINATE EXACT LOCATION AND ROUGH-IN REQUIREMENTS WITH ARCHITECT AND DOOR

HARDWARE MANUFACTURER PRIOR TO ROUGH-IN.

2 LIGHTING FIRST LEVEL RCP - AREA T 1/8" = 1'-0"

**FAMILY TOILET** 

FAMILY TOILET

REFER TO CONCESSIONS

PLANS FOR **EQUIPMENT** 

(6) 1-1/4" C FOR LOW VOLTAGE TO DUGOUTS
(2) 2" C FOR LOW VOLTAGE TO MONUMENT SIGNAGE E1.01)

HOME CHANGING

HOME CHANGING

S108

L1S-1

(1) 2" C FOR FIBER -

TÓ SCHOOL BUILDING

**—** 

LV3a

COACHES OFFICE

•

L1S-39

VISITOR CHANGING

S102

- MUSCO SPORTS LIGHTING CONTROL PANELS

H1S-87

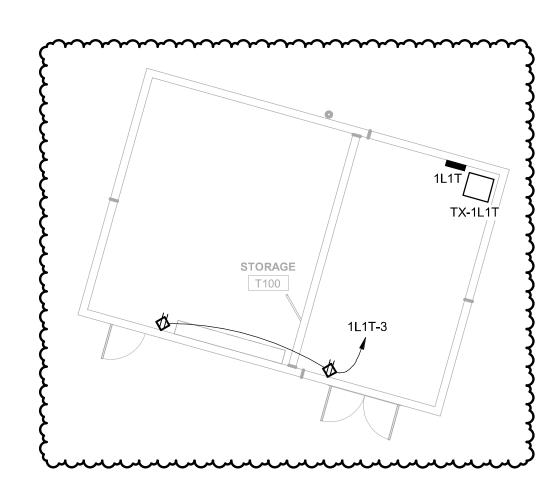
1/8" = 1'-0"

ELECTRICAL

L1S-9

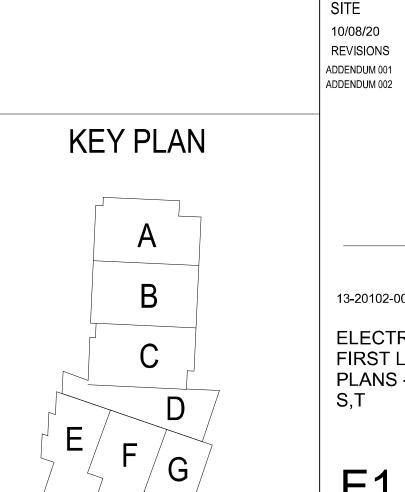
STORAGE

S100



POWER FIRST LEVEL PLAN - AREA T
1/8" = 1'-0"

					EUH 7		
				EUH 3A			EUH 6
		DEUH 1	CR 14			TS1 30/ WH11 EU RP6 8	/3
	DEUH 10					WH11 EU RP6 8	
	EF 23		000000				
	8 E4.0						
30/3/3R CU CU 14		EUH 2	EUH 4	EUH 3B	EUL 5		EUH 9
14 / 📗					5		



PE-2018036644

PACKAGE 3 - BUILDING &

13-20102-00 ELECTRICAL FIRST LEVEL PLANS - AREAS

E1.1ST