

LIFE-SAFETY INFORMATION

APPLICABLE CODES	
NFPA 101 LIFE-SAFETY CODE 2015	
OCCUPANCY A2; CONSTRUCTION TYPE II B	
ASSEMBLY (CHAPTER 38)	
OCCUPANCY A-2 RESTROOM FACILITY	(REFERENCE CHAPTER 6)
OCCUPANT LOAD FACTOR	(REFERENCE TABLE 7.3.1.2)
3656 S.F.	73 OCCUPANTS
TOTAL OCCUPANTS = 73	
CLASSIFICATION OF HAZARD OF CONTENTS	
(REFERENCE: OCCUPANCY CHAPTER AND 6.2.2; SPECIFY LOW, ORDINARY, OR HIGH)	
CONSTRUCTION TYPE(S) (REFERENCE: CHAPTERS, TABLE A.8.2.1.2 AND COMMENTARY TABLE 8.1 IN HANDBOOK)	
II B	
MINIMUM EXIT SEPARATION DISTANCE FOR REMOTELY LOCATED EXITS	
(REFERENCE: SECTION 7.5; SPECIFY 1/2 OR 1/3 DIAGONAL DISTANCE OF AREA SERVED)	
1/2 DIAGONAL =	N/A
MAXIMUM DEAD-END CORRIDORS	(REFERENCE: OCCUPANCY CHAPTER AND TABLE A.7.6)
MAXIMUM COMMON PATH OF TRAVEL DISTANCE	(REFERENCE: OCCUPANCY CHAPTER AND TABLE A.7.6)
MAXIMUM TRAVEL DISTANCE TO EXITS	(REFERENCE: OCCUPANCY CHAPTER AND TABLE A.7.6)
MAIN ENTRANCE MUST BE SIGNED TO ACCOMMODATE 1/2 OCCUPANT LOAD OF BUILDING	
EXTINGUISHMENT REQUIREMENTS	SPRINKLER NOT REQUIRED
DETECTION, ALARM, AND COMMUNICATION SYSTEMS	NONE
ALLOWABLE HEIGHT AND BUILDING AREA	PER IBC EQUIVALENT CONSTRUCTION TYPE

BUILDING CODE INFORMATION

APPLICABLE CODES	
IBC 2018	
OCCUPANCY A-2 RESTROOM FACILITY	(IBC 2018)
OCCUPANT LOAD CALCULATIONS	(TABLE 1004.1.2)
SHOWER ROOMS	50 GROSS
TOTAL OCCUPANTS	73
CONSTRUCTION TYPE(S)	(TABLE 503)
II B (SECTION 503)	
ALLOWABLE HEIGHT AND BUILDING AREA LIMITED BY TYPE OF CONSTRUCTION	
MAXIMUM HEIGHT IN STORES (SECTION 503 & 504, TABLE 503)	2
MAXIMUM AREA IN SQUARE FEET (SECTION 503, 506 & 507, TABLE 503)	38,000

WIND SPEED DESIGN REQUIREMENTS

THIS BUILDING SHALL BE DESIGNED WITH IBC SEC 1609 AS A FULLY ENCLOSED BLDG USING THE FOLLOWING INFORMATION:

WIND DESIGN DATA:

DETERMINATION OF WIND LOADS SHALL BE IN ACCORDANCE WITH IBC SEC 1609.3 (1), (2), OR (3) DEPENDING ON THE RISK CATEGORY			
WIND SPEED V =	149 MPH (IBC FIG 1609.3(1))		
NOMINAL DESIGN WIND SPEED V ₅₀ =	116 MPH (V _{ult} x (0.6) ^{1/2})		
RISK CATEGORY:	CATEGORY II BLDG	SURFACE ROUGHNESS =	C
TOPOGRAPHIC FACTOR =	1	EXPOSURE =	C
INTERNAL PRESSURE COEFFICIENT (ASCE 7-16 TABLE 26.11-1):	± 0.18		
COMPONENTS AND CLADDING PRESSURE	p(+) = 20.0 psf	p(-) = 23.8 psf	
LIVE LOADS (IBC SEC 1607):			
STORAGE WAREHOUSE, LIGHT DUTY (IBC TABLE 1607.1):	125 PSF		
OFFICE LOBBIES & CORRIDORS 1ST FLOOR	100 PSF		
OFFICES (IBC TABLE 1607.1):	50 PSF		
ROOF LIVE LOADS (IBC TABLE 1607.1):	20 PSF UNIFORM, 300 LB CONCENTRATED		
SNOW LOADS (IBC SEC 1608):			
GROUND SNOW LOAD (IBC FIG 1608.2):	5 PSF		
RAIN LOAD DATA	8 INCHES PER HOUR		
SEISMIC DESIGN CRITERIA	A		

FLOOD ZONE INFORMATION

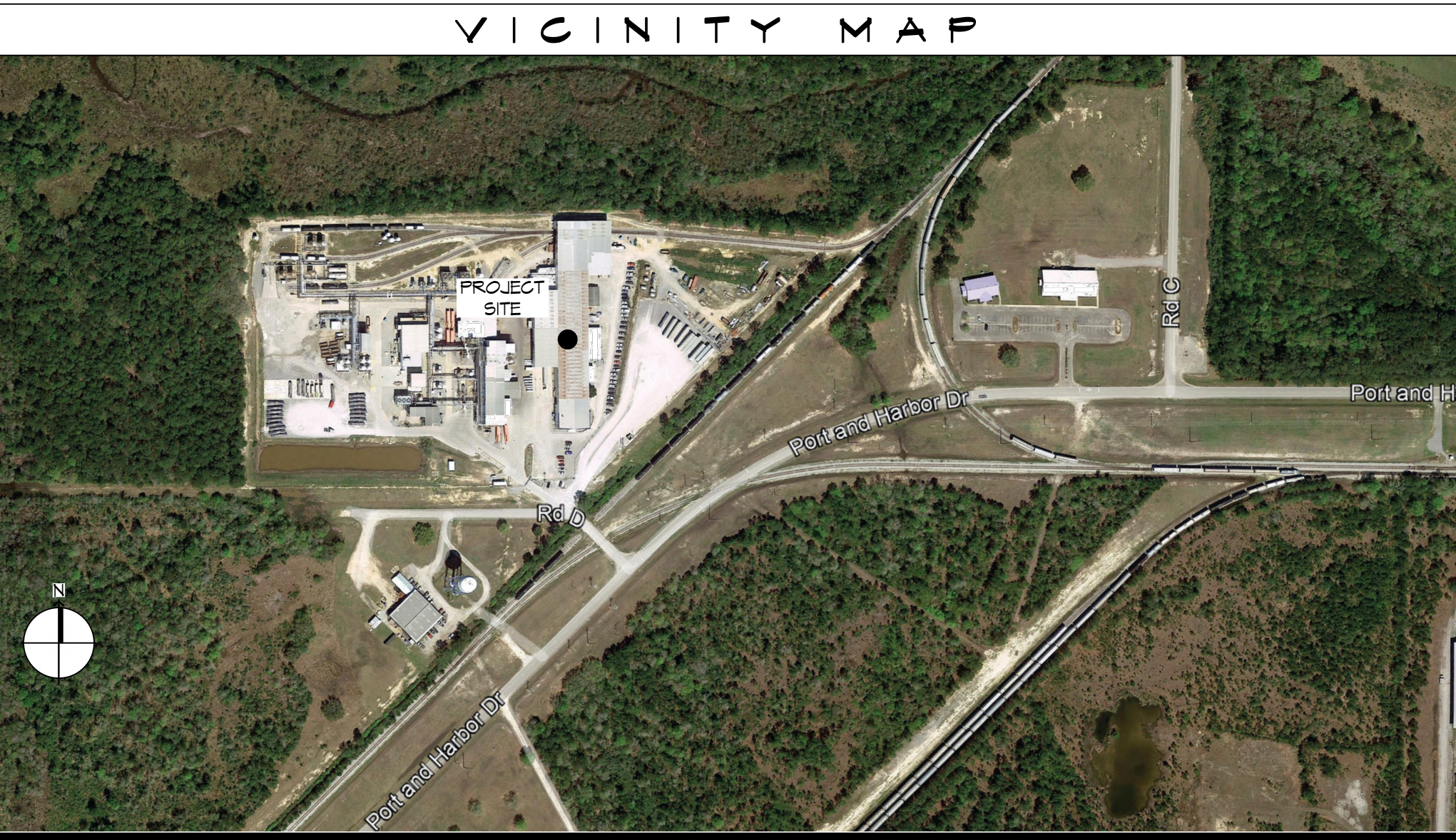
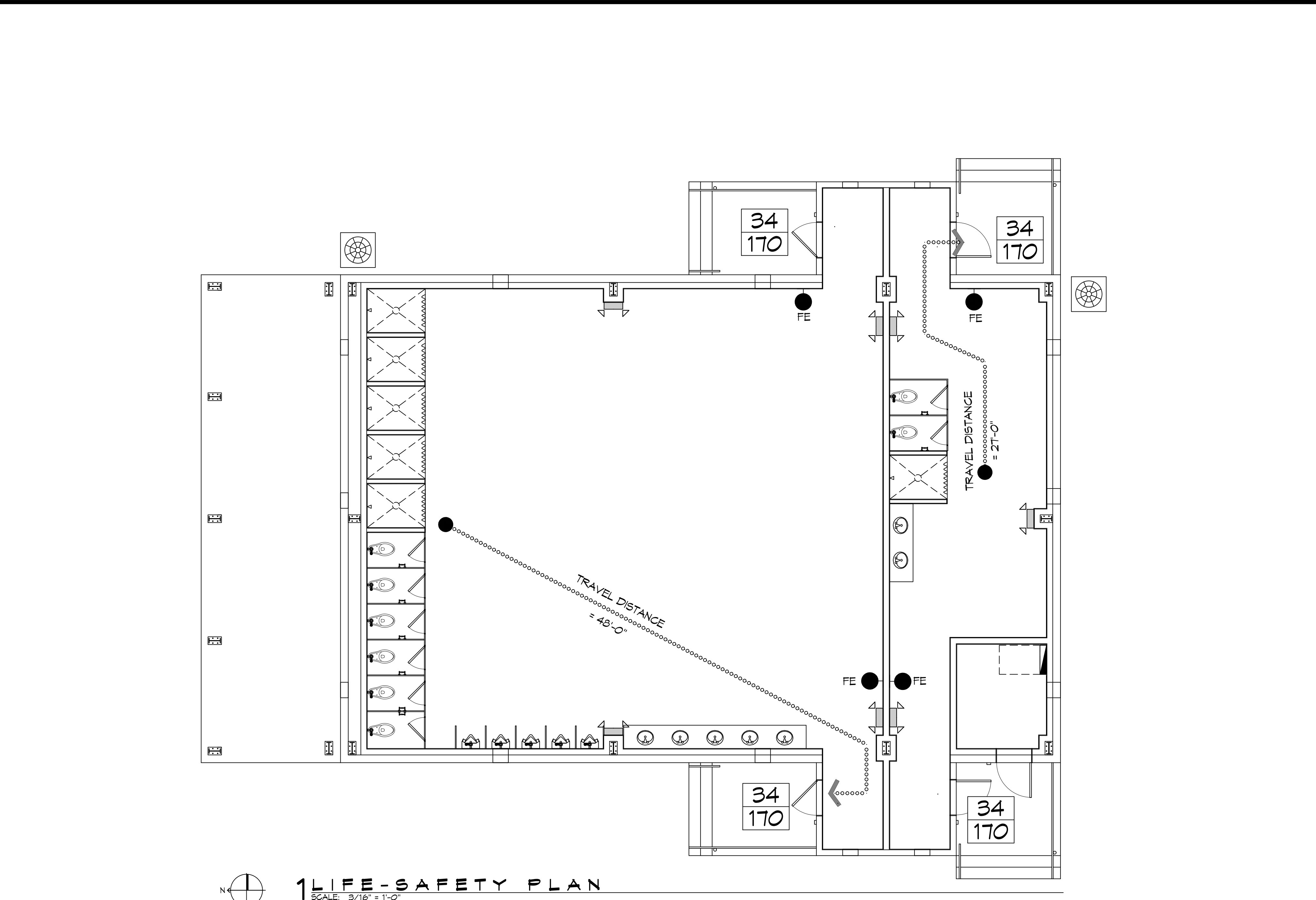
BASED ON THE FLOOD MAP HANCOCK COUNTY MISSISSIPPI, THIS PROPERTY IS IN SPECIAL FLOOD HAZARD AREA. F.I.R.M. COMMUNITY MAP NO 28045C0406D D 11-15-07

FLOOD ZONE:	AE	BASE FLOOD ELEVATION	NGVD 16'
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ELEVATIONS REFER TO NGVD 1929 DATUM

LIFE-SAFETY LEGEND

SYMBOL	DESCRIPTION
	EXITS
	DOOR FIRE RATING (MINUTES)
	DOOR WIDTH/EGRESS CAPACITY
	EXIT LIGHT
	FIRE EXTINGUISHER AND CABINET
	FIRE EXTINGUISHER /V/ WALL MTD BRACKET
	COMMON PATH OF TRAVEL
	TRAVEL DISTANCE
	DECISION POINT
	SMOKE PARTITION
	ONE-HOUR FIRE RATED PARTITION
	TWO-HOUR FIRE RATED PARTITION
	TWO-HOUR FIRE/SMOKE PARTITION
	FOUR-HOUR RATED PARTITION



SHEET INDEX

SHEET #	SHEET TITLE
G001	GENERAL PROJECT, LIFE-SAFETY, AND BUILDING CODE INFORMATION
C101	OVER ALL SITE PLAN
C102	SITE UTILITY PLAN & DRAINAGE PLAN
C103	SITE EROSION CONTROL PLAN
S101	FOUNDATION PLAN
A101	FLOOR PLAN
A102	BUILDING SECTION
A103	BUILDING ELEVATIONS
A104	REFLECTED CEILING PLAN
P101	PLUMBING PLAN AND DETAILS
P102	PLUMBING PLAN
M101	MECHANICAL PLAN
E101	POWER PLAN
E102	LIGHTNING PLAN
E103	ELECTRICAL PANEL SCHEDULE

GENERAL NOTES

- ALL MATERIALS AND WORK, INCIDENTAL TO THE CONSTRUCTION OF THIS PROJECT, SHALL CONFORM TO ALL GOVERNING CODES, AND REGULATIONS OF AGENCIES IN AUTHORITY.
- CONTRACTOR SHALL PROVIDE ALL PUBLIC PROTECTIONS NECESSARY AS REQUIRED BY LAW.
- DO NOT SCALE DRAWINGS.** CONSULT WITH THE OWNER AND ENGINEER REGARDING ANY ITEMS IN THE CONTRACT DOCUMENTS THAT REQUIRE CLARIFICATION.
- TRASH SHALL BE REMOVED FROM THE SITE NOT LESS THAN TWICE MONTHLY.
- THE GENERAL CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK AND REPORT ANY AND ALL DISCREPANCIES TO THE ENGINEER.
- CONTRACTOR VEHICLES AND EQUIPMENT NECESSARY FOR CONSTRUCTION MAY BE PARKED ON THE SITE. OTHER VEHICLES PARKED ON THE SITE REQUIRE THE OWNER'S PERMISSION.
- NAMING A CERTAIN BRAND, MAKE OR MANUFACTURER IS TO DESIGNATE THE GENERAL STYLE, TYPE, CHARACTER AND QUALITY STANDARD OF THE PRODUCT DESIRED. SUBSTITUTION REQUESTS MUST BE APPROVED BY THE OWNER.
- ALL MATERIALS/EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. WORK NOT CONSISTENT WITH MANUFACTURER'S RECOMMENDATIONS WILL BE REJECTED BY OWNER/ENGINEER.

DAMMON

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#	DESCRIPTION	DATE

SEAL: **BRIAN A. MISTICH**
LICENSED PROFESSIONAL ENGINEER
STATE OF MISSISSIPPI
20971

DATE:	04-04-2023
CHECKED BY:	CKD
DRAWN BY:	BAK

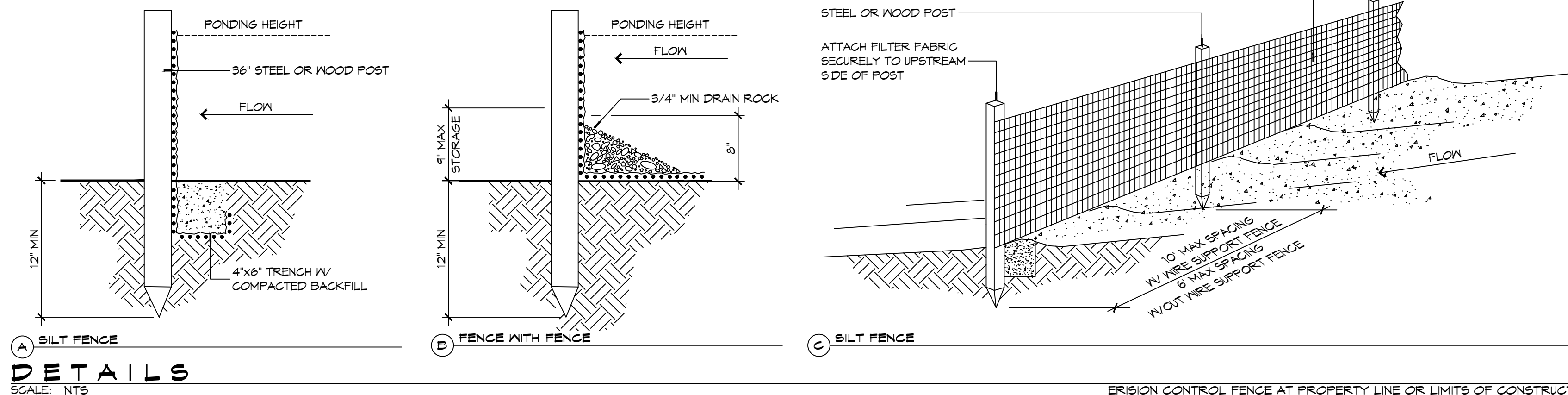
NEW CHANGE HOUSE
SNF POLYCHEMIE

3030 POST & HARBOUR DR. RD. D
BAY ST. LOUIS, MS 39220
JOB No: 2472
DRAWN BY: BAK

SHEET TITLE:
GENERAL INFORMATION SHEET

DRAWING NUMBER:
G101

SHEET No: 1 of 15



DETAILS
SCALE: NTS

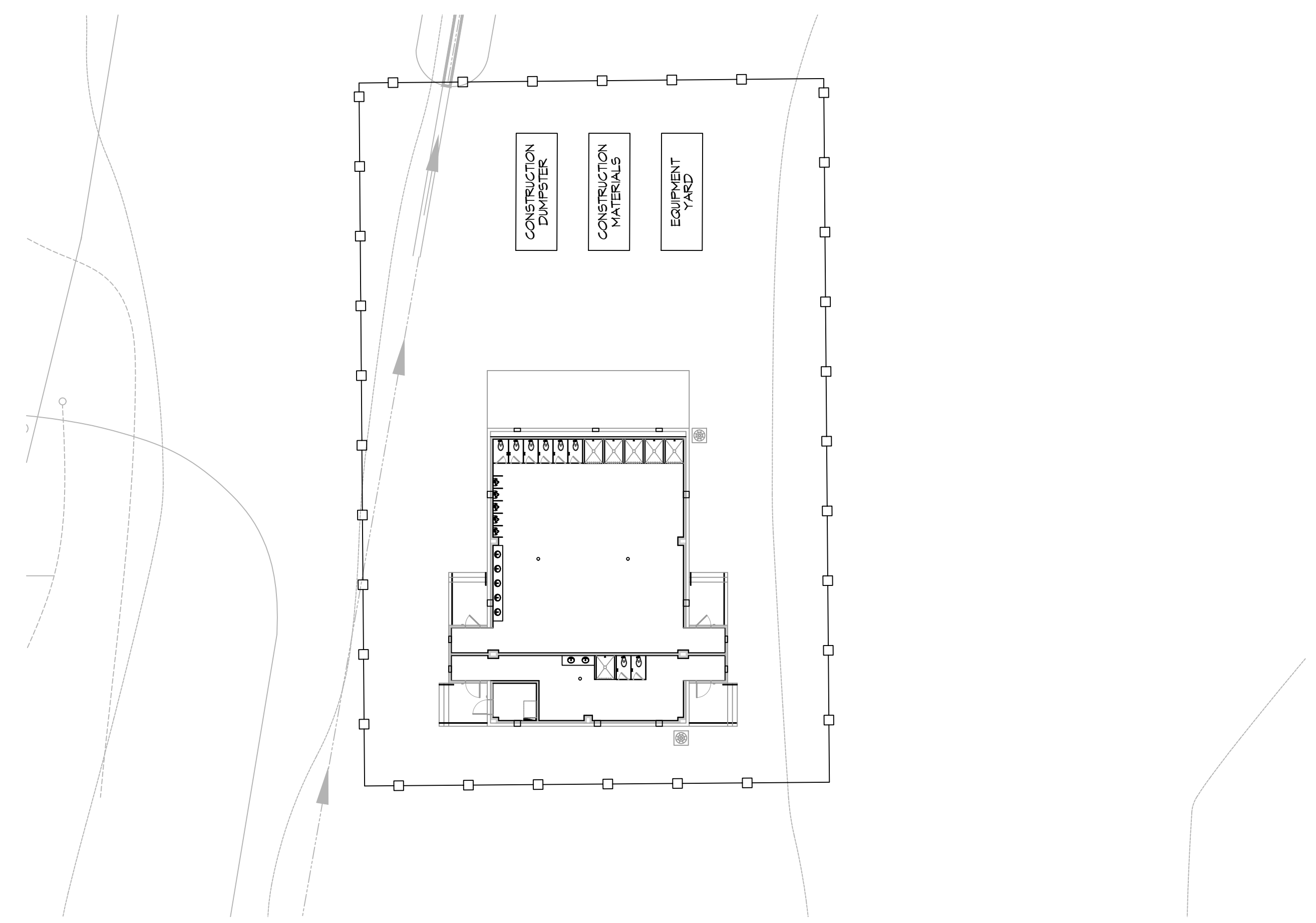
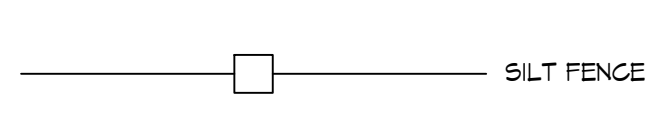
GENERAL EROSION CONTROL NOTES

1. ALL APPLICABLE EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN PLACE PRIOR TO ANY GRADING OPERATION AND/OR INSTALLATION OF PROPOSED STRUCTURES OR UTILITIES.
2. SOIL EROSION AND SEDIMENT CONTROL PRACTICES ON THIS PLAN SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARDS OF THE AUTHORITY HAVING JURISDICTION.
3. APPLICABLE EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE LEFT IN PLACE UNTIL CONSTRUCTION IS COMPLETED AND/OR THE AREA IS STABILIZED.
4. THE CONTRACTOR SHALL PERFORM ALL WORK, FURNISH ALL MATERIALS, AND INSTALL ALL MEASURES REQUIRED TO REASONABLY CONTROL THE SOIL EROSION RESULTING FROM CONSTRUCTION OPERATIONS AND PREVENT EXCESSIVE FLOW OF SEDIMENT FROM THE CONSTRUCTION SITE.
5. ANY DISTURBED AREA THAT IS TO BE LEFT EXPOSED FOR MORE THAN THIRTY (30) DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY RECEIVE A TEMPORARY SEEDING AND FERTILIZATION IN ACCORDANCE WITH THE AUTHORITY HAVING JURISDICTION'S STANDARDS.
6. THE SITE SHALL BE AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORMWATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
7. ALL CATCH BASIN INLETS SHALL BE PROTECTED IN ACCORDANCE WITH THESE PLANS.
8. EXCAVATED MATERIAL STOCKPILED ON THE SITE SHALL BE SURROUNDED BY A RING OF UNBROKEN SEDIMENT AND EROSION CONTROL FENCE. THE LIMITS OF ALL GRADING AND DISTURBANCE SHALL BE KEPT TO A MINIMUM WITHIN THE APPROVED AREA OF CONSTRUCTION. ALL AREAS OUTSIDE OF THE LIMIT OF CONTRACT SHALL REMAIN TOTALLY UNDISTURBED UNLESS OTHERWISE APPROVED BY OWNER'S REPRESENTATIVE.
9. ANY AREA OUTSIDE THE PROJECT LIMIT THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO COST TO THE OWNER.
10. THE CONTRACTOR SHALL PROVIDE DUST CONTROL FOR CONSTRUCTION OPERATIONS AS APPROVED BY OWNER.
11. ANY WORK WITHIN THE ROADWAY OR ADJACENT TO THE ROADWAY CAUSING AN INTERFERENCE TO VEHICULAR TRAFFIC MUST CONFORM TO THE REQUIREMENTS SET FORTH BY THE UNIFORM MANUAL OF TRAFFIC CONTROL DEVICES OF THE STATE OF LOUISIANA. THE CONTRACTOR MUST FURNISH ALL NECESSARY TRAFFIC SIGNS AND/OR BARRICADES AND MAINTAIN THEM DURING CONSTRUCTION ACTIVITY.
12. ALL POINTS OF CONSTRUCTION EGRESS OR INGRESS SHALL BE MAINTAINED TO PREVENT TRACKING OR FLOWING OF SEDIMENT ON TO PUBLIC/PRIVATE ROADS.

SILT FENCE INSTALLATION NOTES

1. THE BASE OF BOTH END POSTS MUST BE AT LEAST 2'-4" ABOVE THE TOP OF THE SILT FENCE FABRIC ON THE MIDDLE POSTS FOR DITCH CHECKS TO DRAIN PROPERLY. USE A HAND LEVEL OR STRING LEVEL, IF NECESSARY, TO MARK BASE POINTS BEFORE INSTALLATION.
2. INSTALL POSTS 3 - 4 FEET APART IN CRITICAL WATER RETENTION AREAS AND 6 - 7 FEET APART ON STANDARD APPLICATIONS.
3. INSTALL POSTS 24" DEEP ON THE DOWNSTREAM SIDE OF THE SILT FENCE, AND AS CLOSE AS POSSIBLE TO THE FABRIC, ENABLING POSTS TO SUPPORT THE FABRIC FROM UPSTREAM WATER PRESSURE.
4. INSTALL POSTS WITH THE NIPPLES FACING AWAY FROM THE SILT FENCE FABRIC.
5. ATTACH THE FABRIC TO EACH POST WITH THREE TIES, ALL SPACED WITHIN THE TOP 6" OF THE FABRIC. ATTACH EACH TIE DIAGONALLY 45° THROUGH THE FABRIC, WITH EACH PUNCTURE AT LEAST 1" VERTICALLY APART. ADDITIONALLY, EACH TIE SHOULD BE POSITIONED TO HANG ON A POST NIPPLE WHEN TIGHTENED TO PREVENT SAGGING.
6. WRAP APPROXIMATELY 6" OF FABRIC AROUND THE END POSTS AND SECURE WITH 3 TIES.
7. NO MORE THAN 24" OF A 36" FABRIC IS ALLOWED ABOVE GROUND LEVEL.
8. THE INSTALLATION SHOULD BE CHECKED AND CORRECTED FOR ANY DEVIATIONS BEFORE COMPACTION. USE A FLAT-BLADED SHOVEL TO TUCK FABRIC DEEPER INTO THE SILT IF NECESSARY.
9. COMPACTION IS VITALLY IMPORTANT FOR EFFECTIVE RESULTS. COMPACT THE SOIL IMMEDIATELY NEXT TO THE SILT FENCE FABRIC WITH THE FRONT WHEEL OF THE TRACTOR, SKID STEER, OR ROLLER EXERTING AT LEAST 60 PSI OF PRESSURE. COMPACT THE UPSTREAM SIDE FIRST, AND THEN EACH SIDE TWICE FOR A TOTAL OF FOUR TRIPS.
10. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
11. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. NINE INCH MAXIMUM RECOMMENDED STORAGE HEIGHT.
12. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.

EROSION CONTROL LEGEND



EROSION CONTROL PLAN
SCALE: 1" = 20'-0"

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REVISIONS	DATE	DESCRIPTION
1		



NEW CHANGE HOUSE
SNF POLYCHEMIE

3030 FORT HARBOR DR. RD. D
BAY ST. LOUIS, MISSISSIPPI 39830

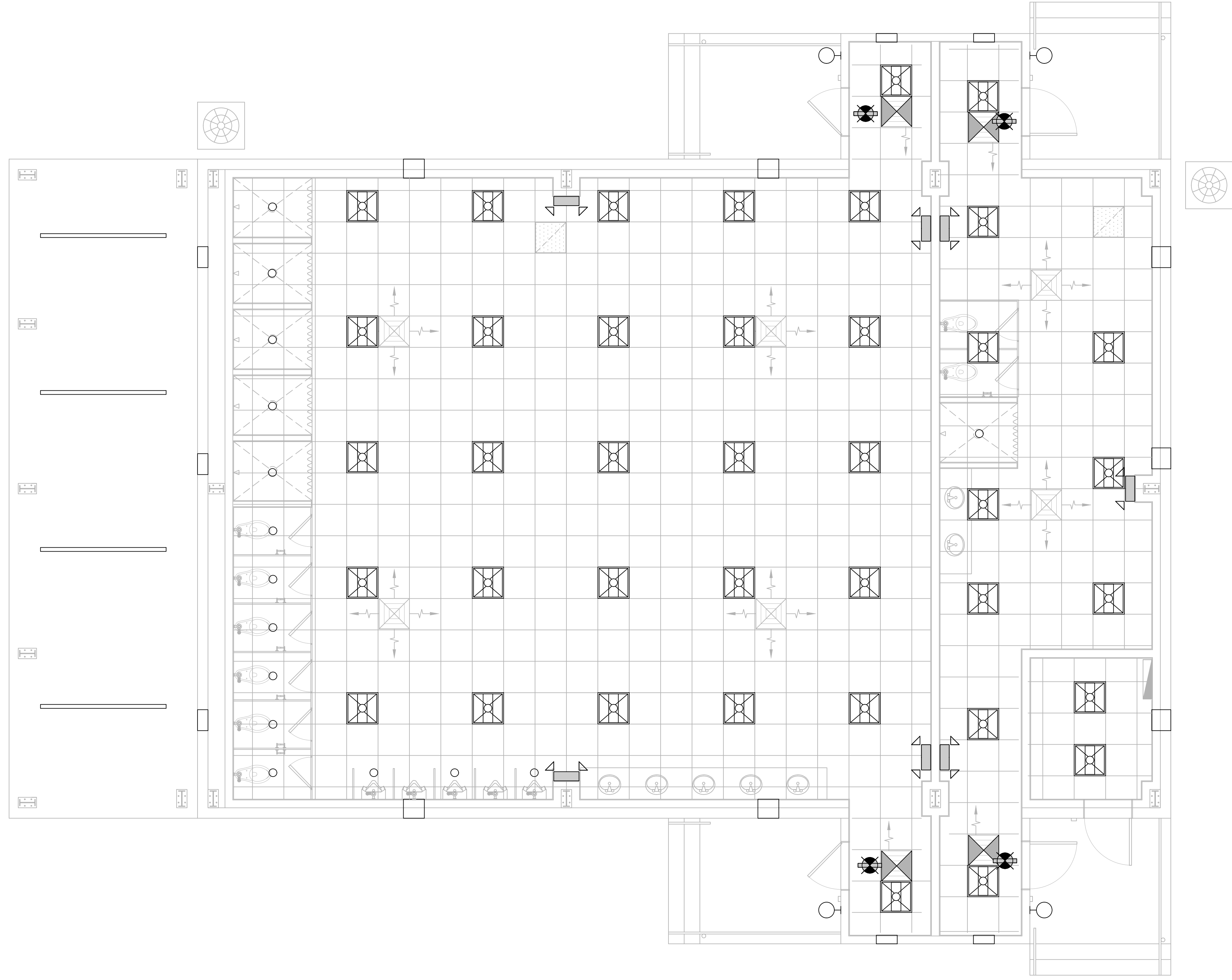
JOB No: 24721 DATE: 04-04-2023
DRAWN BY: CKD CHECKED BY: BAX

SHEET TITLE:
EROSION CONTROL AND DETAILS

DRAWING NUMBER:
C103

SHEET No: 4 of 15

FILE NAME: A:\PROJECTS\2023\2472 - SNF Polychemie - Reflective Ceiling Plan.dwg, Date: 04/04/2023, 10:11:14 AM



CEILING TYPE		REFLECTED CEILING LEGEND	
	2X2 ARMSTRONG CERAMAGUARD HUMIDITY RESTRAINT CEILING TILES 9 AFF		F1 RECESSED LIGHT FIXTURE (9 AFF)
			F2 SUSPENDED LIGHT FIXTURE (9 AFF)
			F3 RECESSED LIGHT FIXTURE (9 AFF)
			RETURN AIR GRILLE
			SUPPLY AIR GRILLE
			EXIT LIGHT FIXTURE - CEILING MOUNTED
			EMERGENCY LIGHT FIXTURE - WALL MOUNTED

14 REFLECTIVE CEILING PLAN
 SCALE: 1/4"=1'-0"

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REVISIONS	DATE
# DESCRIPTION	



NEW CHANGE HOUSE
SNF POLYCHEMIE
 3050 PORT HARBOR DR., RD. D
 BAY ST. LOUIS, MS, 39520
 JOB No: 2472 | DATE: 04-04-2023
 DRAWN BY: CKD | CHECKED BY: JMS

SHEET TITLE:
REFLECTIVE CEILING PLAN

DRAWING NUMBER:

A104

SYMBOLS & ABBREVIATIONS

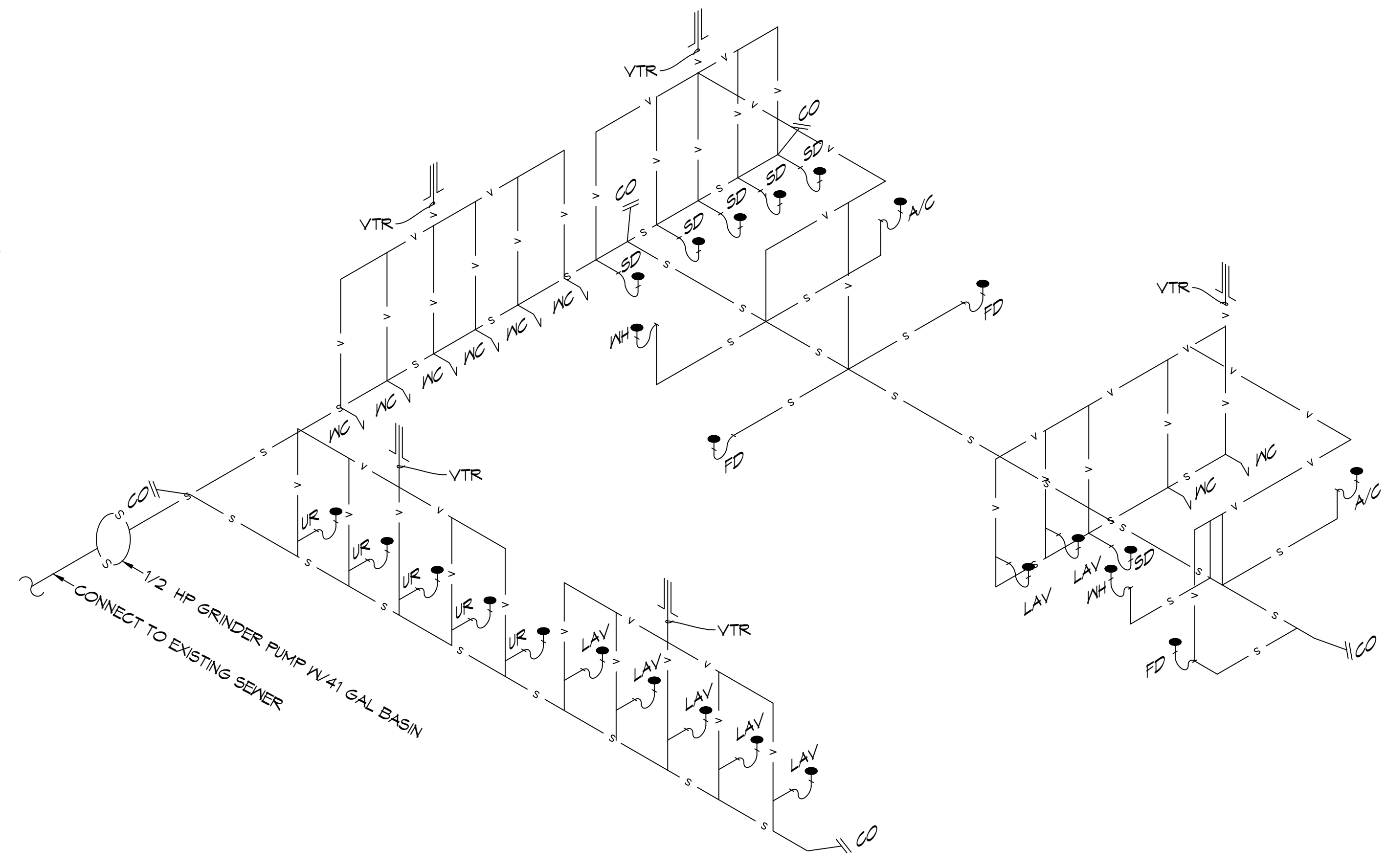
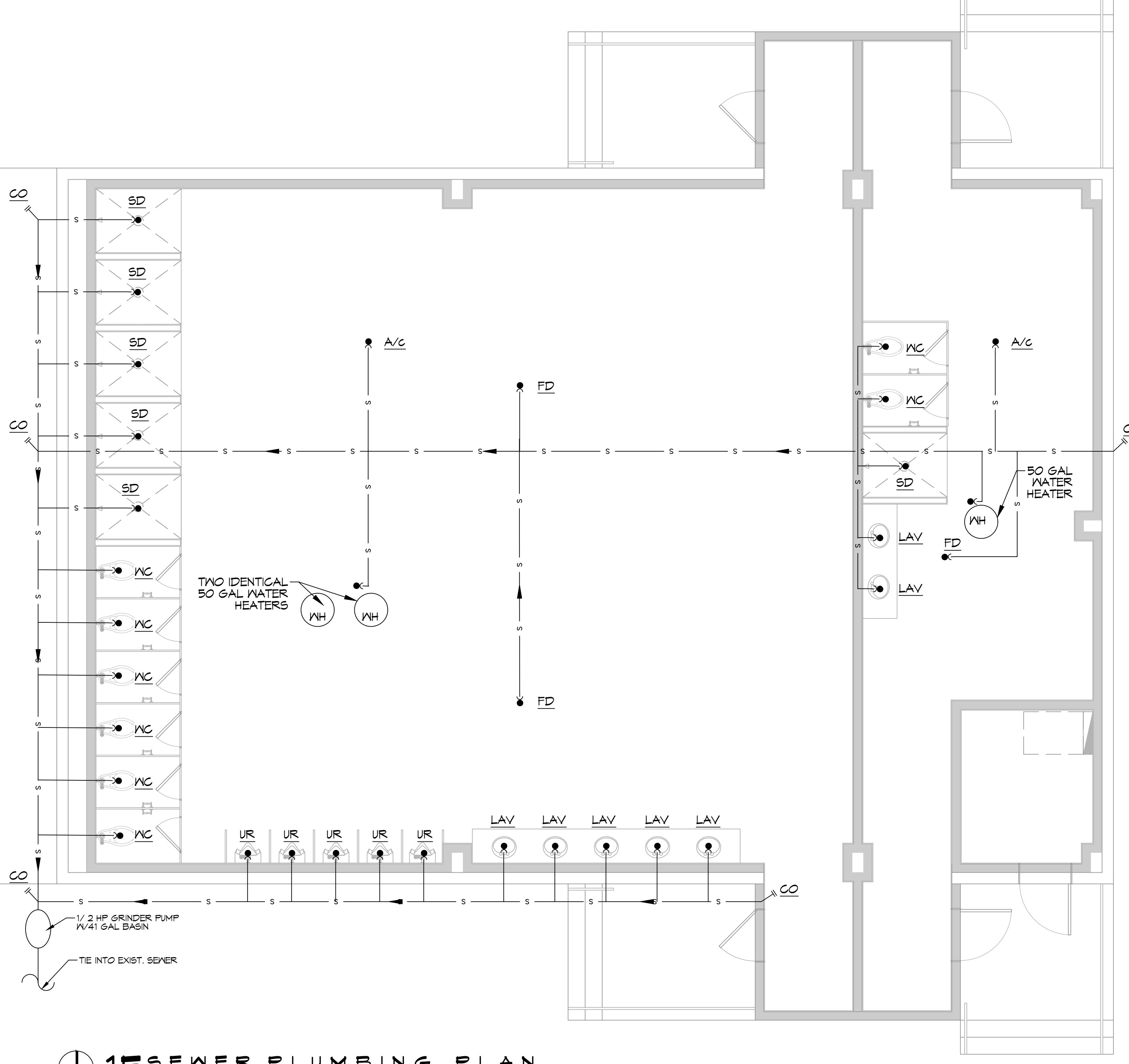
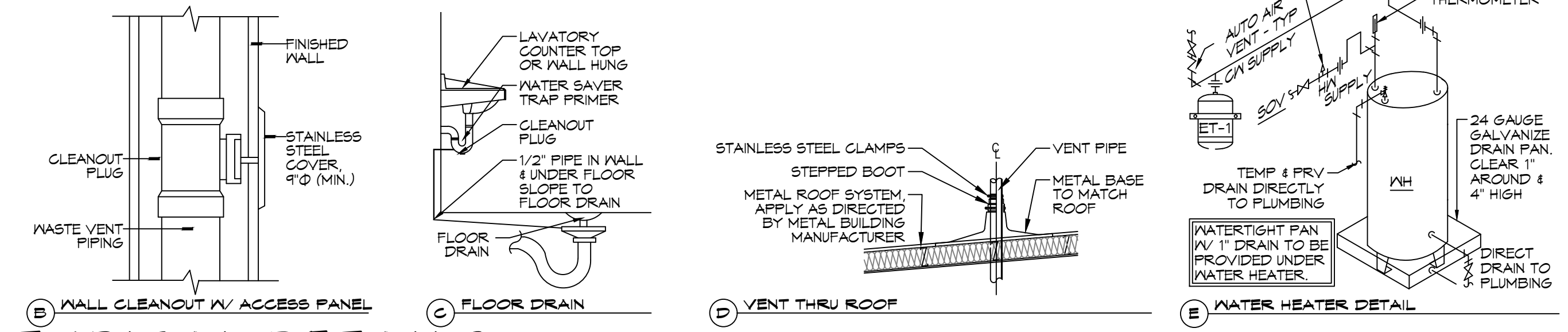
CO	LINE CLEAN OUT
VTR	VENT THRU ROOF
V	VENTILATION LINE
S	SEWAGE LINE

PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	TYPE	ROUGH - IN - SIZE				NOTES
			WASTE	VENT	COLD	HOT	
WC	WATER CLOSET	VALVE	4"	3"	1-1/2"	-	3
LAV	LAVATORY	WALL HUNG	2"	2"	3/4"	3/4"	1,2,3
FD	FLOOR DRAIN	-	3"	2"	-	-	4
SH	SHOWER	-	2"	2"	3/4"	3/4"	-
WH	WATER HEATER	-	3/4"	2"	3/4"	3/4"	-
AHU	AIR HANDLER DRAIN	-	3/4"	2"	-	-	-

- GENERAL PLUMBING NOTES**
- PLUMBING LINES SHOWN ARE DRAWN DIAGRAMMATIC IN NATURE AND REPRESENT CONCEPTUAL ROUTING ONLY. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL ACTUAL CONDITIONS.
 - PROVIDE ALL LABOR, MATERIAL, TRANSPORTATION, SUPERVISION, CLEAN-UP, SERVICES, AND EQUIPMENT FOR A COMPLETE OPERATING SYSTEM. THE SYSTEM SHALL INCLUDE HOT AND COLD WATER PIPING, SEWER AND VENT PIPING, INSULATION, WATER HEATER, HANGERS, VALVES, SUPPORTS WITHOUT ANY RESTRICTIONS TO VOLUME, CUT AND PATCH AS REQUIRED TO INSTALL PIPES.
 - ALL WORK AND MATERIAL SHALL CONFORM STRICTLY TO THE LATEST LOCAL CITY, PARISH, STATE AND NATIONAL GOVERNING CODES. MUST MEET LA STATE PLUMBING CODE 2013 REQUIREMENTS.
 - CONTRACTOR IS TO FIELD VERIFY ALL EXISTING UTILITY LOCATIONS, ELEVATIONS AND SIZES PRIOR TO COMMENCING ANY WORK. CONTRACTOR SHALL PAY NECESSARY FEES FOR THE UTILITIES CONNECTIONS.
 - CONTRACTOR IS RESPONSIBLE TO VERIFY THE EXISTING INVERTS AND SET NEW INVERTS OF SEWERAGE AND DRAINAGE PIPES.
 - SEWERAGE LINES 3-INCH AND SMALLER SHALL BE SLOPED 1/4" PER FOOT AND LINES 4-INCH AND LARGER SHALL BE 1/8" PER FOOT.
 - TEST ALL PIPING AT REQUIRED PRESSURE.
 - ALL PLUMBING SHALL BE CLOSELY COORDINATED WITH STRUCTURAL, MECHANICAL SYSTEM AND ELECTRICAL SYSTEMS TO INSURE NO TRADES WILL CONFLICT WITH EACH OTHER.
 - DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF DOORS, WINDOWS, WALLS, FIXTURES, ETC.
 - ALL WATER MAINS AND PIPING NOT SHOWN FOR CLARITY, ALL LOCATIONS FIELD VERIFIED.
 - DOMESTIC HOT AND COLD WATER PIPING AND FITTINGS UNDER SLAB SHALL BE ASTM B88 COPPER WATER TUBE, TYPE K, SOFT ANNEALED. NO JOINTS SHALL BE ALLOWED UNDER THE SLAB.
 - DOMESTIC WATER PIPING AND FITTINGS ABOVE THE SLAB SHALL BE ASTM B88 COPPER WATER TUBE, TYPE L, HARD DRAWN WITH COPPER PRESSURE TYPE FITTINGS, ANSI B16.22. THE JOINTS SHALL BE SOLDERED TYPE USING ASTM B92, ALLOY GRADE 98A (95-5) SOLDER.
 - SOIL, WASTE, VENT PIPING AND FITTINGS ABOVE THE SLAB SHALL BE SERVICE WEIGHT CAST IRON PIPE WITH BELL AND SPIGOT ENDS AND ONE PIECE NEOPRENE INSERT TYPE GASKET. USE PVC SCHEDULE 40 OR ABS DWV PIPES AND FITTINGS WHERE PERMITTED BY CODE.
 - ALL WATER PIPING AND FITTINGS ABOVE THE FLOOR SHALL BE INSULATED WITH 1/2" THICK FIBERGLASS INSULATION AND JACKET.
 - ALL ELECTRICAL, MECHANICAL AND PLUMBING ELEMENTS PENETRATING FIRE PARTITIONS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E814.)
 - ALL VENTS THROUGH ROOF (VTR) SHALL BE LOCATED A MINIMUM OF 10'-0" FROM ANY MECHANICAL OR NATURAL AIR INTAKE.

ALL SANITARY SEWER ARE DIAGRAMMATICALLY DRAWN FOR CLARITY.



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REVISIONS

#	DESCRIPTION	DATE

SEAL:

NEW CHANGE HOUSE
SNF POLYCHEMIE

3050 PORT HARBOR DR. RD. D
BAY ST. LOUIS, MS, 39250
JOB No: 2472 | DATE: 04-04-2023
DRAWN BY: CKD | CHECKED BY: JMS

SHEET TITLE:
PLUMBING PLAN

DRAWING NUMBER:
P101

SHEET No: 10 of 15

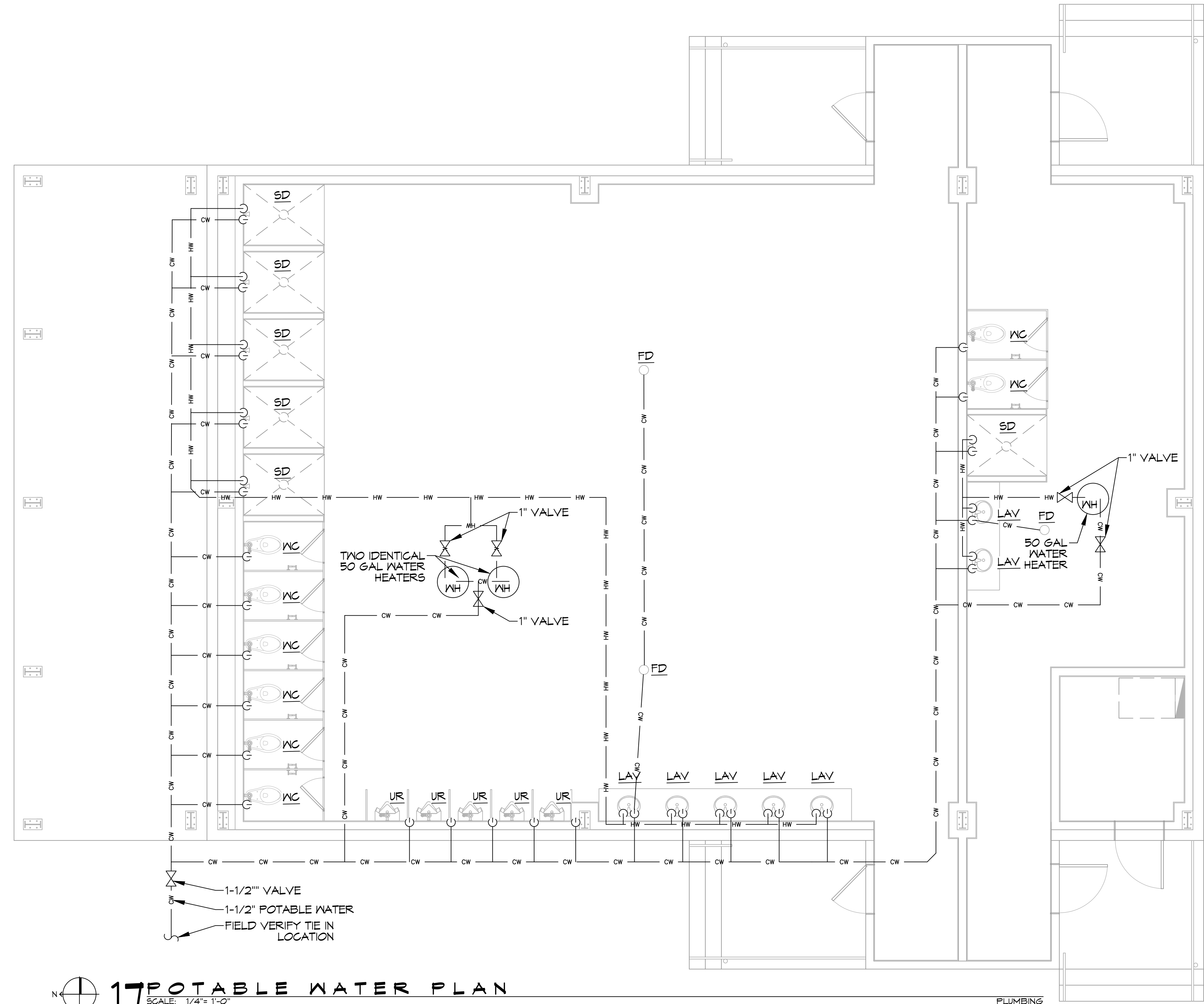
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 PLOT BY: JMS

SYMBOLS & ABBREVIATIONS	
CO	LINE CLEAN OUT
VTR	VENT THRU ROOF
V	VENTILATION LINE
S	SEWAGE LINE

PLUMBING FIXTURE SCHEDULE							
MARK	DESCRIPTION	TYPE	ROUGH - IN - SIZE				NOTES
			WASTE	VENT	COLD	HOT	
WC	WATER CLOSET	VALVE	4"	3"	1-1/2"	-	3
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FD	FLOOR DRAIN	-	3"	2"	-	-	4
SH	SHOWER	-	2"	2"	3/4"	3/4"	-
WH	WATER HEATER	-	3/4"	2"	3/4"	3/4"	-
AHU	AIR HANDLER DRAIN	-	3/4"	2"	-	-	-

- NOTES:
- INSULATE PIPING
 - PROVIDE CHAIR CARRIER FOR WALL HUNG FIXTURE.
 - N/A
 - INSTALL CONTINUOUS DRIP VALVE ON ALL FLOOR DRAINS.
 - PROVIDE ASSE 1016 COMPLIANT VALVE

ALL SANITARY SEWER ARE
 DIAGRAMMATICALLY
 DRAWN FOR CLARITY.



177 POTABLE WATER PLAN
 SCALE: 1/4" = 1'-0"

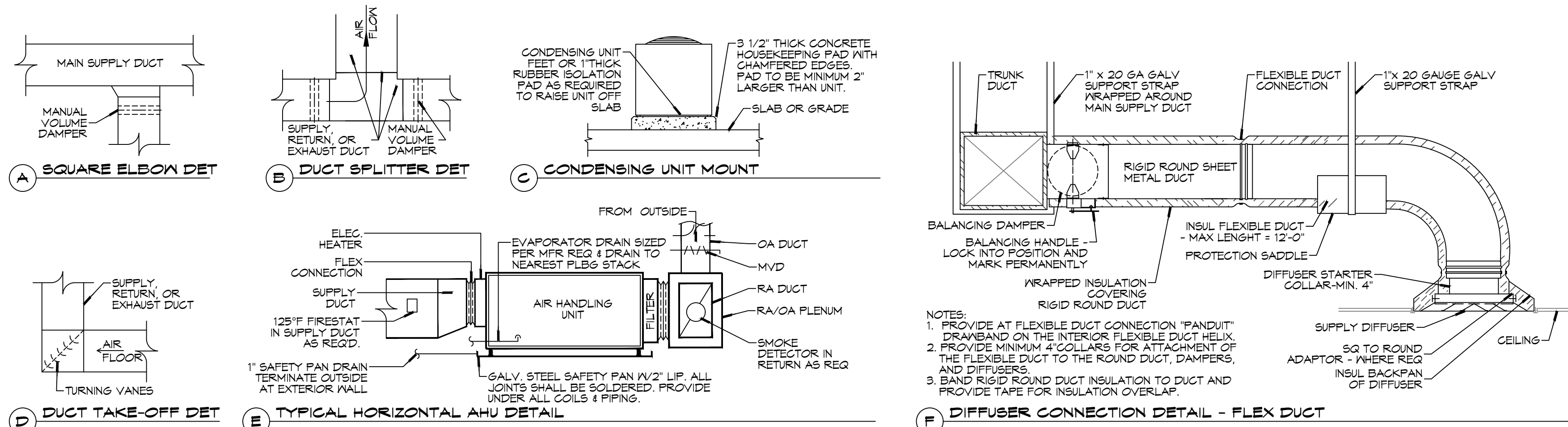
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REVISIONS	DATE
# DESCRIPTION	

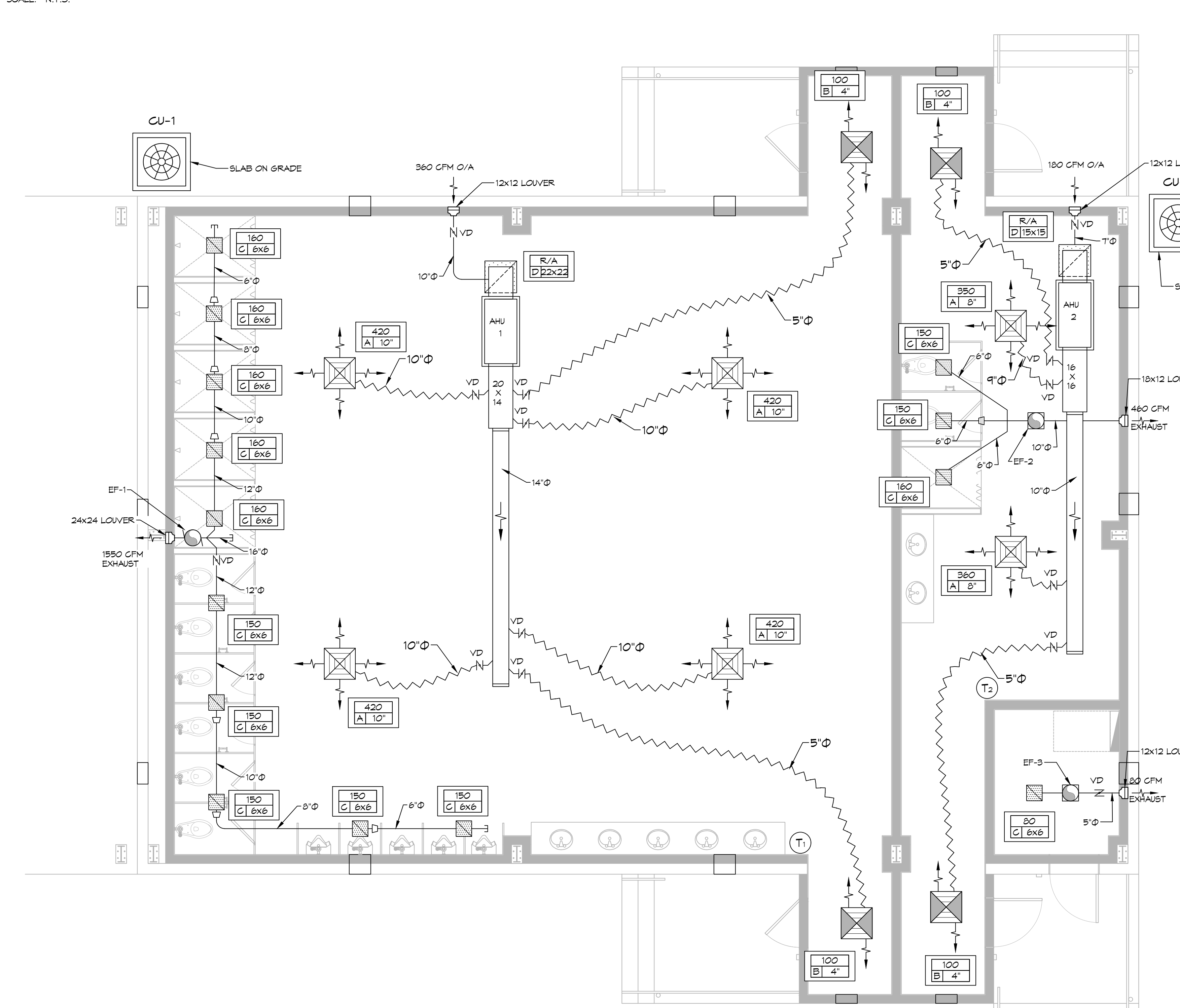


NEW CHANGE HOUSE
SNF POLYCHEMIE
 3050 PORT HARBOR DR. RD. D
 BAY ST. LOUIS, MS 39550
 JOB No: 2472 DATE: 04-04-2023
 DRAWN BY: CKD CHECKED BY: JMS

SHEET TITLE:
PLUMBING PLAN
 DRAWING NUMBER:
P102
 SHEET No: 11 of 15



TYPICAL DETAILS
SCALE: N.T.S.



DIFFUSER SCHEDULE

Mark No.	Service	Neck Size	Description
A	Supply Air	24" X 24"	Adjustable Square Cone Diffuser, Price ASCDA w/ Insulated Back Panel
B	Supply Air	12" X 12"	Adjustable Square Cone Diffuser, Price ASCDA w/ Insulated Back Panel
C	Exhaust	Eggcrate	Price Series 80
D	Return Air	24" X 24"	Perforated, Ducted Return, Titus PAR

Exhaust Fan Schedule

Tag	Service	Fan				Power			Make / Model	Remarks	
		Max. Airflow (CFM)	TSP ("wc)	HP	Watts	Amps	Volts	Phase			Hz
EF-1	Restroom Exhaust	1550	0.2	0.25	52	120	1	60	Greenheck CSP-A1550	1, 3	
EF-2	Restroom Exhaust	460	0.2		52	120	1	60	Greenheck CSP-A510	1, 3	
EF-3	Exhaust	80	0.1		19	N/A	120	1	60	Greenheck CSP-A110	2, 3

SPLIT SYSTEM SCHEDULE

AIR HANDLER										HEAT PUMP										
Tag	Area Served	Tons (Nominal)	Total CFM	O/A (CFM)	Make	Model	Motor HP	Cooling TMB H	Heat SMBH KW	Power VAC PH MCA	Tag	Make	Model	Power VAC PH MCA	Remarks					
AHU-1	Men's Restroom	5	1880	360	Goodman	ARUF81D14	1/3	62.6	38.6	8	208	1	60	CU-1	Goodman	GSZ140601	208	1	34.3	1, 2, 3, 4
AHU-2	Women's Restroom	2	910	180	Goodman	ARUF25B14	3/4	22.4	13.4	5	208	1	33	CU-2	Goodman	GSZ140241	208	1	14.6	1, 2, 3, 4

SCHEDULES
SCALE: N.T.S.

DAMMON ENGINEERING, INC.
LOUISIANA & MISSISSIPPI
Chief Engineer: Brian A. Mistich, PE
554 Old Spanish Trail
Slidell, LA 70458
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REVISIONS

#	DESCRIPTION	DATE



NEW CHANGE HOUSE
SNF POLYCHEMIE
9030 PORT & HARBOUR DR. RD. D
BAY ST. LOUIS, MS. 39262
JOB No: 2472 DATE: 04-04-2023
DRAWN BY: CKD CHECKED BY: BAK

SHEET TITLE:
MECHANICAL PLAN

DRAWING NUMBER:
M101

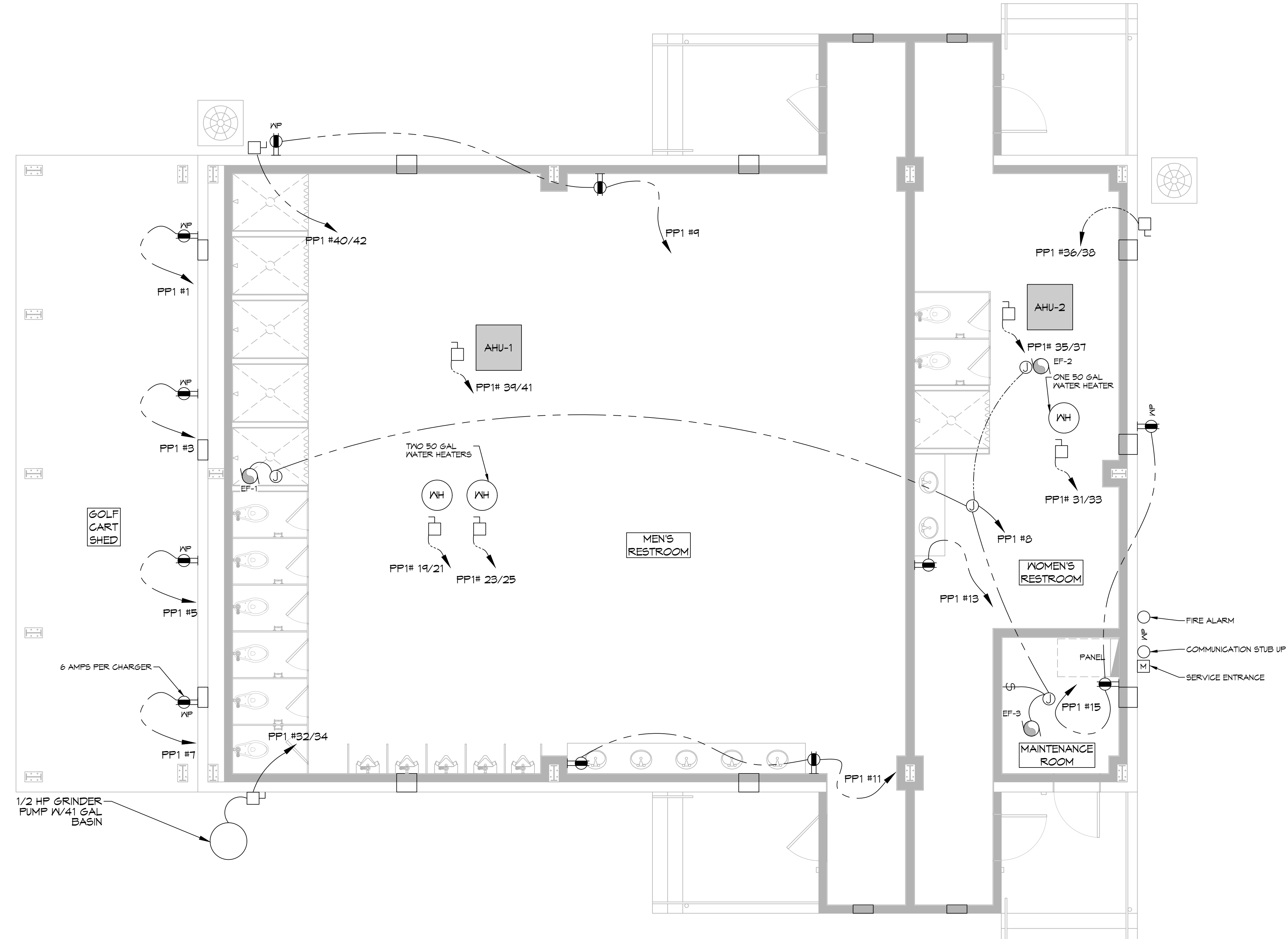
SHEET No: 12 of 15

04/2023 - A. MISTICH, P.E. - ALL RIGHTS RESERVED. THIS DRAWING IS THE PROPERTY OF DAMMON ENGINEERING, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF DAMMON ENGINEERING, INC.

POWER LEGEND	
	GFCI DUPLEX RECEPTACLE
	WEATHER-PROOF GFCI DUPLEX RECEPTACLE MOUNTED AT 30" AFF - UNLESS OTHERWISE NOTED
	NON - FUSED DISCONNECT
	CIRCUIT HOME RUN

NOTE:
ALL 120V RECEPTACLES MOUNTED AT 4' AFF

- ### GENERAL POWER NOTES
- ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, THE GOVERNING ELECTRICAL CODE AND ALL OTHER INSPECTION DEPARTMENTS HAVING JURISDICTION. OBTAIN CERTIFICATES OR APPROVAL WHERE REQUIRED. ELECTRICAL CONTRACTOR SHALL VERIFY ALL WIRE AND CONDUIT SIZES FOR MECHANICAL EQUIPMENT TO BE INSTALLED.
 - ALL MATERIALS FURNISHED SHALL BE NEW AND SHALL BE UL LISTED.
 - THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALE DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION OF ALL LIGHTING FIXTURES, RECEPTACLES AND TELEPHONE OUTLETS, ETC. SHALL BE DETERMINED BY ACTUAL CONDITIONS IN THE FIELD.
 - PRIOR TO BIDDING, CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS.
 - ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AND WITH OTHER CONTRACTORS WHOSE WORK MAY AFFECT THIS INSTALLATION.
 - ELECTRICAL CONTRACTOR SHALL COORDINATE INCOMING ELECTRICAL SERVICE WITH UTILITY COMPANY AND INCLUDE IN HIS BID ALL CHARGES AND FEES INCURRED IN MODIFICATIONS.
 - ELECTRICAL CONTRACTOR SHALL COORDINATE THE TELEPHONE INSTALLATION WITH THE TELEPHONE COMPANY AND THE GENERAL CONTRACTOR.
 - ELECTRICAL CONTRACTOR, BEFORE INSTALLING ANY OF THE WORK, SHALL SEE THAT IT DOES NOT INTERFERE WITH CLEARANCES REQUIRED FOR FINISHED COLUMNS, HUNG CEILINGS, PLASTER, PARTITIONS, WALLS, ETC. AS SHOWN IN THE ARCHITECTURAL DRAWINGS AND DETAILS. IF ANY WORK IS INSTALLED AND IT LATER DEVELOPS THAT SUCH DETAILS OR DESIGN CANNOT BE FOLLOWED, THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL MAKE SUCH CHANGES IN THE WORK AS DIRECTED BY THE ARCHITECT, AS WELL AS TO PERMIT THE INSTALLATION OF THE ARCHITECTURAL WORK AS SHOWN ON THE PLANS AND DETAILS.
 - PERFORM TEST REQUIRED BY THE OWNER OR THE ENGINEER IN CONNECTION WITH THE OPERATION OF THE ELECTRICAL SYSTEM IN THE BUILDING. ALL TESTS SHALL BE MADE IN ACCORDANCE WITH THE LATEST STANDARD OF THE IEEE AND THE NATIONAL ELECTRICAL CODE.
 - MINIMUM CONDUCTOR SIZE SHALL BE #12, 600V INSULATION. MINIMUM SIZE CONDUIT SHALL BE 3/4" ELECTRICAL METALLIC TUBING (EMT) FOR INTERIOR USE, 3/4" RIGID ALUMINUM FOR EXTERIOR USE ABOVE GRADE AND 1" SCHEDULE 40 PVC, BURIED A MINIMUM OF 18" FOR NON-VEHICULAR TRAFFIC AREAS. FOR CONDUITS BELOW GRADE, EMT SHALL BE USED WITH METAL STUD CONSTRUCTION AND ALL ASSEMBLY OCCUPANCIES. 6 FT LENGTH MC CABLE IS ALLOWED ABOVE DROPPED CEILING. INTERIOR FITTINGS SHALL BE CAST WHERE EXPOSED ON WALLS, AND EXTERIOR FITTINGS SHALL BE CAST BOXES WITH NEMA 3R COVER(S).
 - CONTRACTOR SHALL INSTALL WIRING AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
 - ALL 120V RUNS LONGER THAN 60 FEET SHALL BE #10 AWG AND 277V RUNS LONGER THAN 150 FEET SHALL BE #10 AWG UNLESS NOTED OTHERWISE.
 - INSTALL GROUND FAULT RECEPTACLES AT RECEPTACLE LOCATIONS WITHIN 5' OF SINKS OR LAVATORIES, AND AT EXTERIOR LOCATIONS. EXTERIOR RECEPTACLES SHALL ALSO BE WEATHER-PROOF. ALL RECEPTACLES IN A KITCHEN AREA SHALL HAVE GROUND FAULT PROTECTION.
 - BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70:230-63, NFPA 250-23, 250-11 & 250-12.
 - GROUND NEUTRAL IN ACCORDANCE WITH NFPA 70:250-23B.
 - FUSES SHALL BE ITT CLASS K5, 250 VOLT, 200,000 AMP INTERRUPTING CAP.
 - PROVIDE SERVICES OF A FIRE/SMOKE DETECTION AND ALARM COMPANY TO DESIGN AND INSTALL ALARM SYSTEM TO MEET REQUIREMENTS OF THE STATE FIRE MARSHAL AND THE FIRE DISTRICT.
 - EXTERIOR LIGHTING SHALL BE SHADED OR INWARDLY DIRECTED IN SUCH A MANNER SO THAT NO DIRECT LIGHTING OR GLARE IS CAST BEYOND THE PROPERTY LINE. THE INTENSITY OF SUCH LIGHTING SHALL NOT EXCEED ONE FOOT CANDLE AS MEASURED AT THE ADJUTING PROPERTY LINE.
 - ALL ELECTRICAL, MECHANICAL AND PLUMBING PENETRATING FIRE PARTITIONS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E814.)
 - VERIFY ELECTRICAL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS.



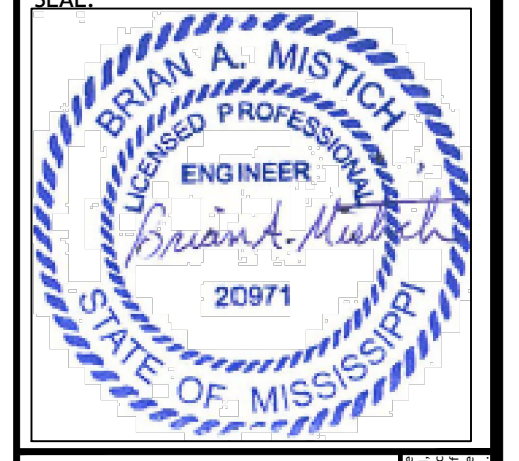
19 POWER PLAN
SCALE: 3/16"=1'-0"

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#	DESCRIPTION	DATE



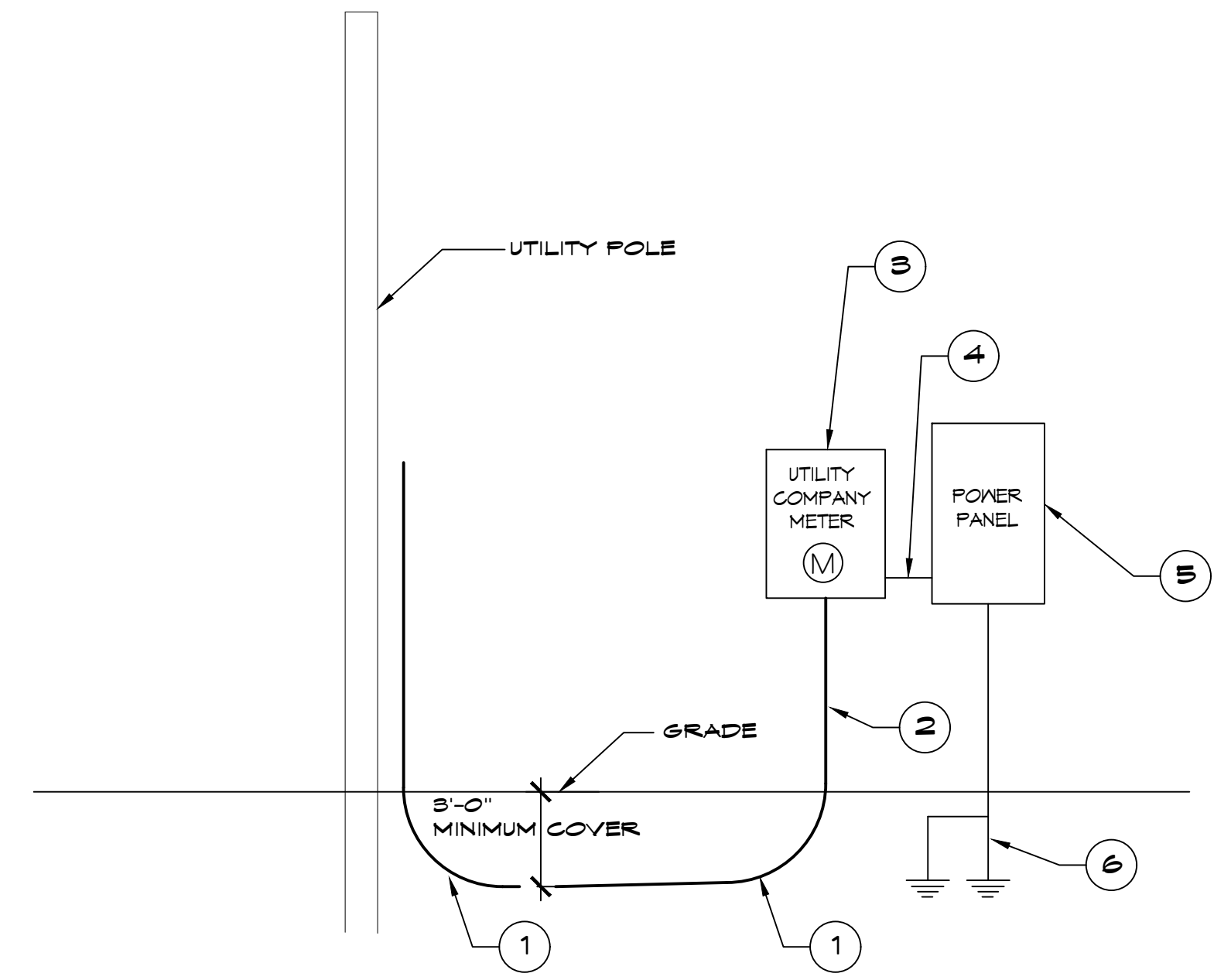
NEW CHANGE HOUSE
SNF POLYCHEMIE
 3030 FORT HARBOR DR. RD. D
 BAY ST. LOUIS, MS. 39520
 JOB No: 2472 DATE: 04-04-2023
 DRAWN BY: C&D CHECKED BY:

SHEET TITLE:
POWER PLAN

DRAWING NUMBER:
E101

SHEET No: 13 of 15

FILE NAME: J:_INDUSTRIAL_071023\071023_001_Polychemie_Mechanical.dwg 21.04.2023 08:00:00
 PLOT DATE: 4. 2023 8:00:00
 PLOT SCALE: 1:1
 PLOT AREA: 11.00 x 17.00
 PLOT DEVICE: HP DesignJet 5600cdt



- ONE LINE NOTES:**
- 36" LONG SNEEP ELBOW
 - PROVIDE TWO (2) 4" SCHEDULE 40 PVC CONDUIT BELOW GRADE AND SCH 80 PVC CONDUIT ABOVE GRADE WITH SUITABLE FISH WIRE.
 - 240/120V 1 Ø 200 AMP METER PAN.
 - 3-4/0 THHN, 1-#2 GND, 2 1/2" C
 - 240/120V 1Ø 200A PANELBOARD WITH MAIN BREAKER.
 - 2-3/4" x 10' CU CLAD GND ROD, #2 CU GND WIRE. PROTECT IN PVC PIPE. CONNECT TO METAL BLDG, COLD WATER SUPPLY & GAS LINE. GAD WELD ALL CONNECTIONS.

RISER DIAGRAM
SCALE: NTS

PANEL SCHEDULE

PANEL: PP1		INTERRUPTING RATING: 10 KAIC		VOLTAGE: 240/120V, 200A, 1Ø, 3Ø W/MAIN CIRCUIT BREAKER						
LOCATION: EQUIPMENT ROOM				ENCLOSURE: BOTTOM FEED, FLUSH MOUNTED W/ EQUIPMENT GND						
FEEDER SOURCE: UTILITY				BAR SQUARE-D TYPE GDB OR EQUAL						
CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION	BREAKER	LOAD (VA)	LOAD (VA)	BREAKER	LOAD DESCRIPTION	THHN WIRE SIZE	CKT NO	
		LOCATION	AMP POLE	AØ BØ			POLE AMP			LOCATION
1	#12	GOLF CART RECEPTACLE	20 1	120	250	1 20	LIGHTS, GOLF CART PARKING	#12	2	
3	#12	GOLF CART RECEPTACLE	20 1	120	700	1 20	LIGHTS, MEN'S ROOM	#12	4	
5	#12	GOLF CART RECEPTACLE	20 1	120	260	1 20	LIGHTS, WOMEN'S ROOM	#12	6	
7	#12	GOLF CART RECEPTACLE	20 1	120	150	1 20	EXHAUST FANS	#12	8	
9	#12	RECEPTACLES, OUTSIDE AND MEN'S ROOM	20 1	360		1 20	SPARE		10	
11	#12	RECEPTACLES, MEN'S ROOM SINKS	20 1	360		1 20	SPARE		12	
13	#12	RECEPTACLE, WOMEN'S ROOM SINKS	20 1	360	400	1 20	LIGHTS, EXTERIOR	#12	14	
15	#12	RECEPTACLES, THIS ROOM AND OUTSIDE	20 1	360		1 20	SPARE		16	
17		SPARE	20 1			1 20	SPARE		18	
19	#10	50 GALLON WATER HEATER 1 MEN'S ROOM	30 2	2500	2500	1 20	SPARE		20	
21										
23	#10	50 GALLON WATER HEATER 2 MEN'S ROOM	30 2	2500	2500	1 20	SPARE		24	
25										
27										
29		SPARE	20 1			1 20	SPARE		28	
31	#10	50 GALLON WATER HEATER WOMEN'S ROOM	30 2	2500	700	2 20	SEWER GRINDER PUMP	#12	32	
33										
35	#8	AHU WOMEN'S ROOM	40 2	2500	1000	2 20	WOMEN'S ROOM CONDENSER UNIT	#12	36	
37										
39	#6	AHU MEN'S ROOM	60 2	4000	2500	2 30	MEN'S ROOM CONDENSER UNIT	#10	40	
41										
				TOTAL CONNECTED LOAD (VA) = 42,480						
SOLID NEUTRAL NEUTRAL WIRE (N)				AØ = 21,270		BØ = 21,210		GROUND BUS GROUND WIRE (G)		

ELECTRICAL LOAD SUMMARY

POWER COMPANY:	GULF COAST ELECTRIC				
PROJECT NAME:	SNF POLYCHEMIE				
PROJECT ADDRESS:	3080 PORT & HARBOR DE. RD. D				
CITY TOWN:	BAY ST. LOUIS, MS. 39520				
INTENDED USER:	CHEM. PLANT				
REQUIRED SERVICE:	208/120 VOLTS	1 PHASE	3 WIRE		
SERV ENTR SIZE:	200 AMPS				
HVAC TONNAGE:	7 TONS				
LARGEST MOTOR:	HP	NOTE: MOTORS ABOVE 20 HP MAY REQUIRE REDUCED VOLTAGE STARTING AND ARE NEVER RECOMMENDED FOR USE WITH 240/120V, 1 PH, 3 W SERVICE			
TOTAL BUILDING SQUARE FOOTAGE:	S.F.				
INDIVIDUAL UNIT SQUARE FOOTAGE:	S.F.				
INDIVIDUAL UNIT DESIGNATION:	(MULT OCCUPANCY)				
LOAD SOURCE	1Ø KVA	3Ø KVA	OR	1Ø KW	3Ø KW
BUILDING LIGHTING				1.4	
ELECTRIC WATER HEATING				15.0	
HEAT PUMPS				7.0	
SUPPLEMENTAL HEAT SYSTEMS				13.0	
AIR COND CONDENSING UNITS				0.0	
ELEC HEATING (PRIMARY) AHU'S				0.0	
COOKING				N/A	
REFRIGERATION				N/A	
RECEPTACLES (STANDARD)				4.3	
RECEPTACLES (COMPUTER)				N/A	
TOTAL MOTORS (EXCLUDE HVAC)				N/A	
EXTERIOR LIGHTING				0.4	
MISCELLANEOUS - CEILING FANS					
OTHER				1.4	
TOTAL CONNECTED LOAD	0.0	0.0		42.5	0.0

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NEW CHANGE HOUSE
SNF POLYCHEMIE

3080 PORT & HARBOR DE. RD. D
BAY ST. LOUIS, MS. 39520
JOB No: 04-04-2023
DATE: 24/12
DRAWN BY: DD/JTL
CHECKED BY: BAY

SHEET TITLE:
ELECTRICAL PANEL SCHEDULES, SECOND FLOOR

DRAWING NUMBER:
E103

