

# SPRINKLER SYSTEM REPLACEMENT BUILDING "E"

## BROADWAY MARINE TERMINAL

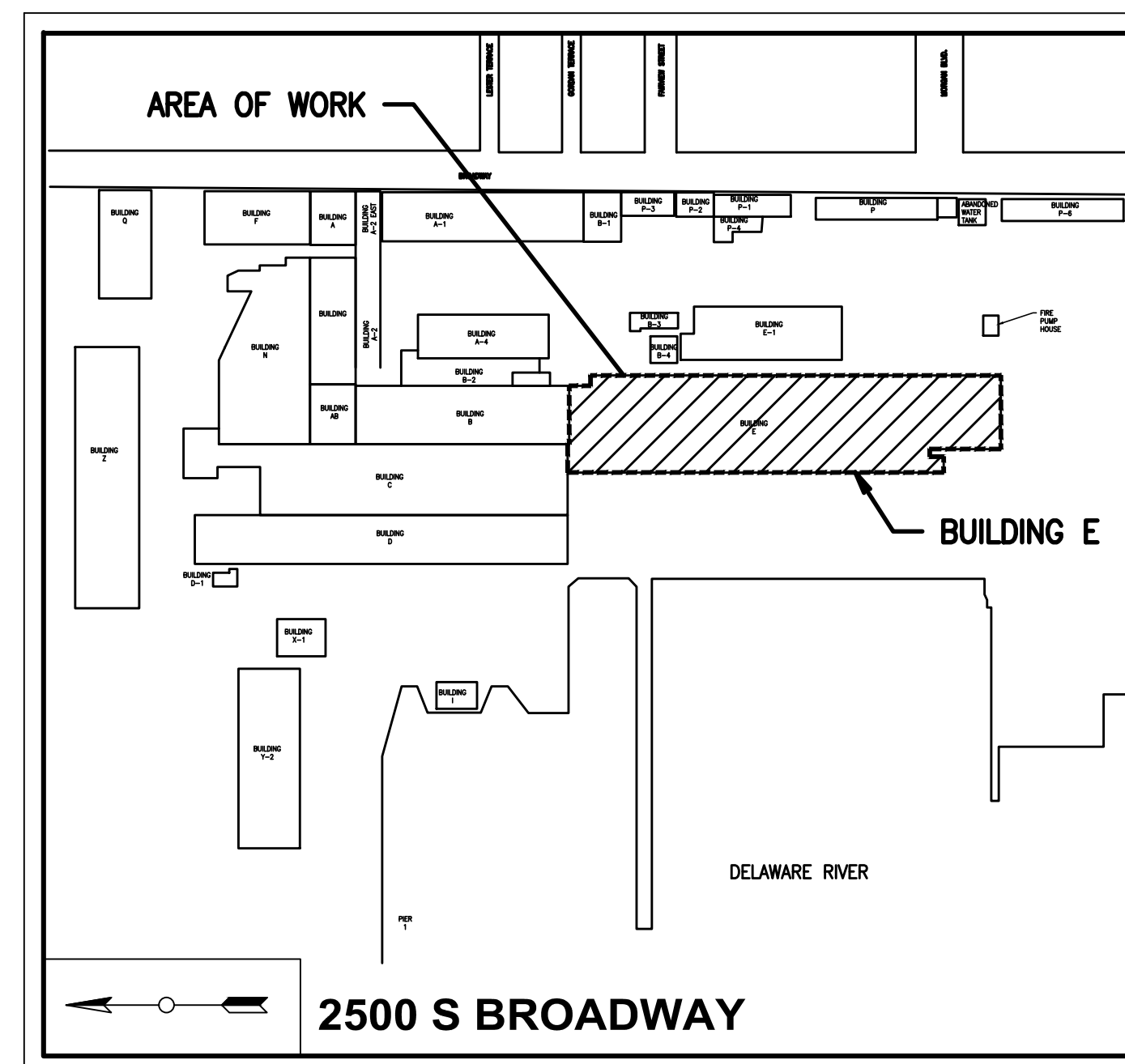
2500 BROADWAY, CAMDEN, NEW JERSEY

PREPARED FOR:

### SOUTH JERSEY PORT CORPORATION

TWO AQUARIUM LOOP DRIVE  
CAMDEN, NJ 08103

PROJECT DRAWING LIST		
DRAWING NO.	SHEET NO.	SHEET TITLE
CS-1	1	PROJECT COVER SHEET
FP-0	2	FIRE PROTECTION COVER SHEET
FP-1	3	FIRE PROTECTION FLOOR PLAN BUILDING E
FP-2	4	FIRE PROTECTION FLOOR PLAN BUILDING E
FP-3	5	FIRE PROTECTION FLOOR PLAN BUILDING E



**LOCATION MAP**  
Scale: N.T.S.

PREPARED BY:  
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ALL DIMENSIONS UNLESS OTHERWISE NOTED BY CONTRACTOR  
THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND REPORT ANY  
DISCREPANCIES BEFORE PROCEEDING WITH WORK

BROADWAY TERMINAL BUILDINGS FIRE SPRINKLER SYSTEMS REPLACEMENT  
SOUTH JERSEY PORT CORPORATION (SJPC)  
2500 BROADWAY, CAMDEN, NEW JERSEY

COVER SHEET

SOUTH JERSEY PORT CORPORATION (SJPC)  
2ND AND BECKETT STREETS  
CAMDEN, NJ 08101

DATE	NO.	BY

ALL DOCUMENTS PREPARED BY PENNONI ASSOCIATES  
ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE  
PROJECT. THEY ARE NOT INTENDED OR REPRESENTED  
TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS ON  
THE EXTENSION OF THE PROJECT OR ON ANY OTHER  
PROJECT. ANY REUSE WITHOUT WRITTEN  
VERIFICATION OR ADAPTATION BY PENNONI  
ASSOCIATES FOR THE SPECIFIC PURPOSE INTENDED  
WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY  
OR LEGAL EXPOSURE TO PENNONI ASSOCIATE, AND  
OWNER SHALL INDEMNIFY AND HOLD HARMLESS  
PENNONI ASSOCIATES FROM ALL CLAIMS, DAMAGES,  
LOSSES AND EXPENSES ARISING OUT OF OR  
RESULTING THEREFROM.

PROJECT: PCSJ 1502  
DATE: 9/XX/2024  
DRAWING SCALE: AS NOTED  
DRAWN BY: NL  
APPROVED BY: RM

**CS-1**

SHEET 001 OF 005

DRY VALVE SYSTEM—OCCUPANCY HAZARD SCHEDULE

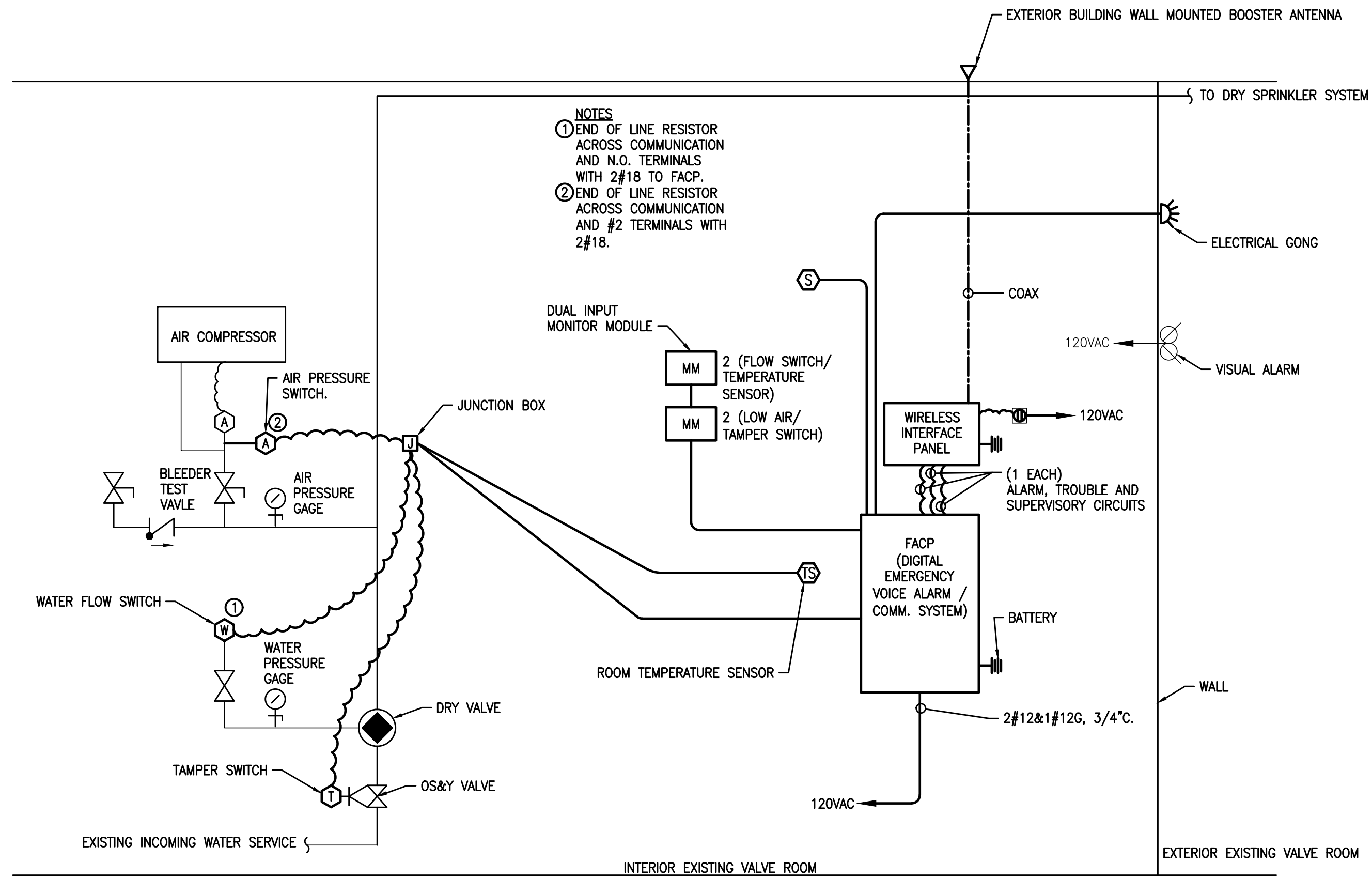
Table with 4 columns: BUILDING, DRY VALVE SYSTEM, HAZARD, and NOTES. Lists buildings E and E with various dry valve systems and ordinary hazard group 2.

GENERAL REQUIREMENTS

- 1. THE SUBMISSION OF A PROPOSAL BY THE CONTRACTOR IS NOTIFICATION THAT THE CONTRACTOR HAS TOTALLY FAMILIARIZED HIMSELF WITH THE CONTRACT DOCUMENTS AND EXISTING SITE CONDITIONS... 20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES INCURRED TO THE EXISTING BUILDING STRUCTURE...

FIRE PROTECTION NOTES:

- 1. ALL EQUIPMENT AND MATERIALS USED AND WORK PERFORMED SHALL BE IN ACCORDANCE WITH THE LATEST RULES AND REGULATIONS IN THE STATE OF NEW JERSEY... 13. INSTALL HANGERS AND SUPPORTS FOR SPRINKLER SYSTEM PIPING ACCORDING TO NFPA 13...



2 TYPICAL EXISTING DRY VALVE MONITORING DIAGRAM

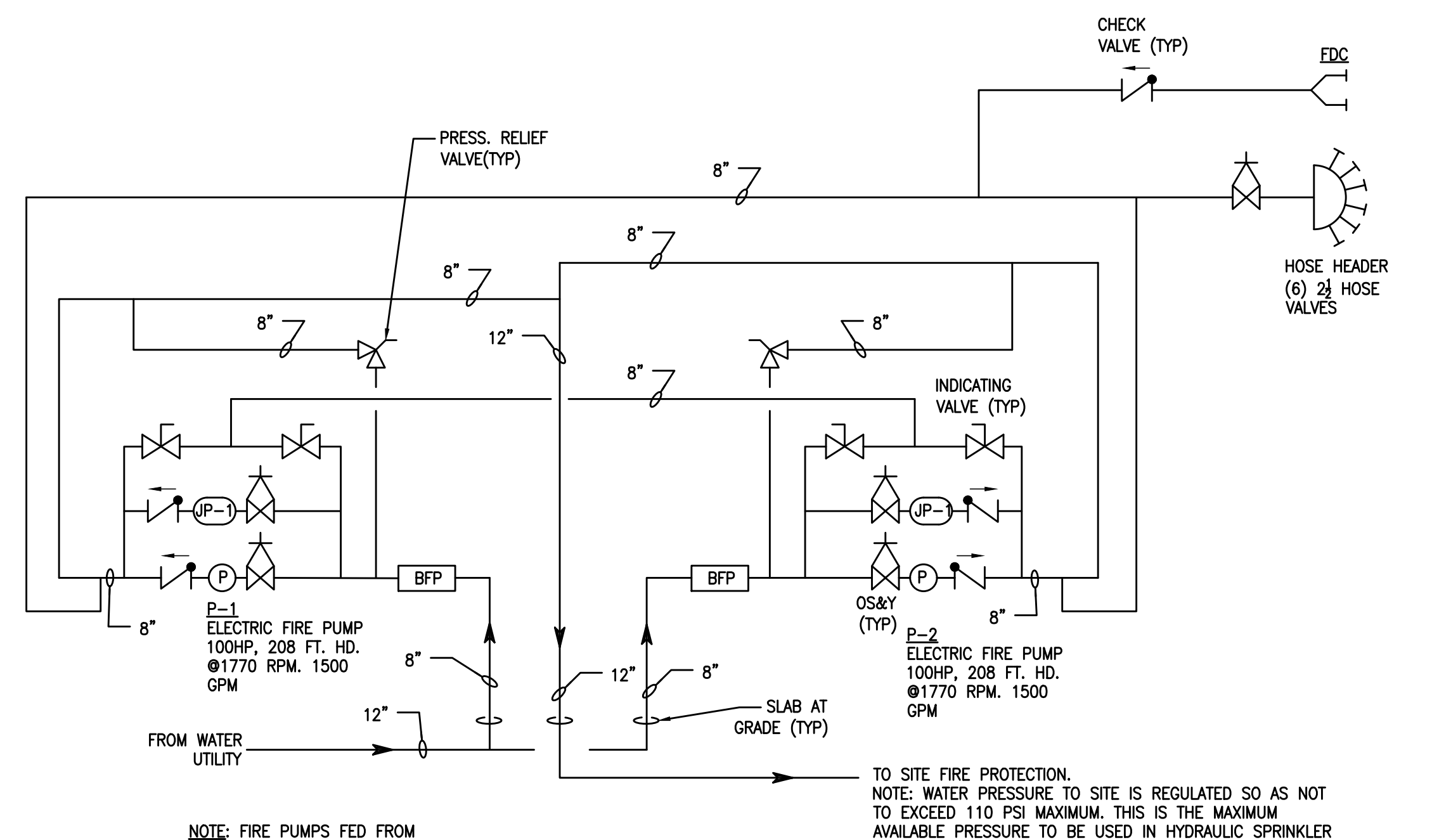
- NOTES: 1. EXISTING PRESSURE SWITCHES, FLOW SWITCHES, TAMPER SWITCHES AND ALL ASSOCIATED MONITORING DEVICES SHALL BE CAREFULLY REMOVED, CLEANED, AND STORED... 2. INCLUDE RE-TESTING OF ALL ALARM DEVICES BY CURRENT ALARM MONITORING AGENCY/COMPANY...

DESIGN CRITERIA:

- 1. ALL DRY VALVE SYSTEMS FOR THE E BUILDING SHALL BE BASED UPON ORDINARY HAZARD GROUP 2, 0.20 GPM OVER 1950 SF REMOTE AREA. 2. WATER IS SUPPLIED TO THE SITE BY LOCAL UTILITY. WATER IS DISTRIBUTED TO SITE BY (2) 100 HP ELECTRIC FIRE PUMPS...

AUXILIARY DRAIN LINE FREEZE PROTECTION NOTE

- 1. PROVIDE ALL NEW AUXILIARY DRAIN LINES WITH ELECTRIC HEAT TRACE TAPE AND INSULATION AS REQUIRED TO MAINTAIN PIPE TEMPERATURE ABOVE FORTY DEGREES FAHRENHEIT... 2. IN LIEU OF PROVIDING THE FREEZE PROTECTION SYSTEM IN NOTE 1, THE CONTRACTOR MAY PROVIDE A PRE-MANUFACTURED AUXILIARY DRAIN CABINET...



1 EXISTING FIRE PUMP HOUSE PIPING - REFERENCE

EXISTING AND PROPOSED CONDITIONS

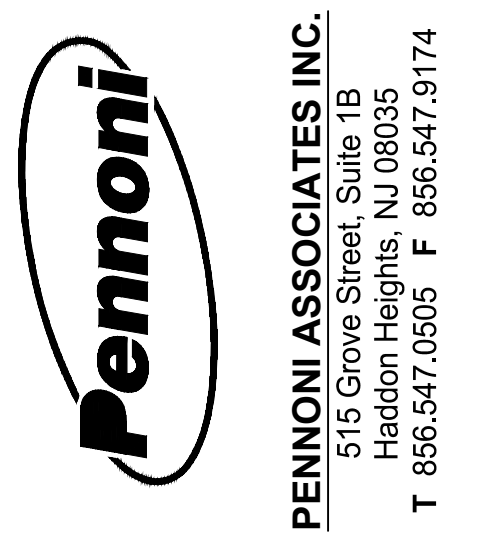
EXISTING BUILDINGS ARE OF COMBUSTIBLE CONSTRUCTION WITH AUTOMATIC DRY SPRINKLER SYSTEMS. EXISTING DRY SPRINKLER SYSTEMS SHALL BE REPLACED ON A ONE FOR ONE BASIS AND REMAIN ACTIVE WHILE THE REPLACEMENT SYSTEMS ARE INSTALLED...

ELECTRIC HAZARD WARNING

TOP RUNNING OVERHEAD BRIDGE CRANES WITH EXPOSED HIGH VOLTAGE RUNWAY ELECTRIFICATION CONDUCTORS ARE PRESENT IN ALL BUILDINGS EXCEPT P-1 AND P-2. THE CONTRACTOR SHALL NOT PERFORM ANY WORK IN THE VICINITY OF A CRANE...

LEGEND

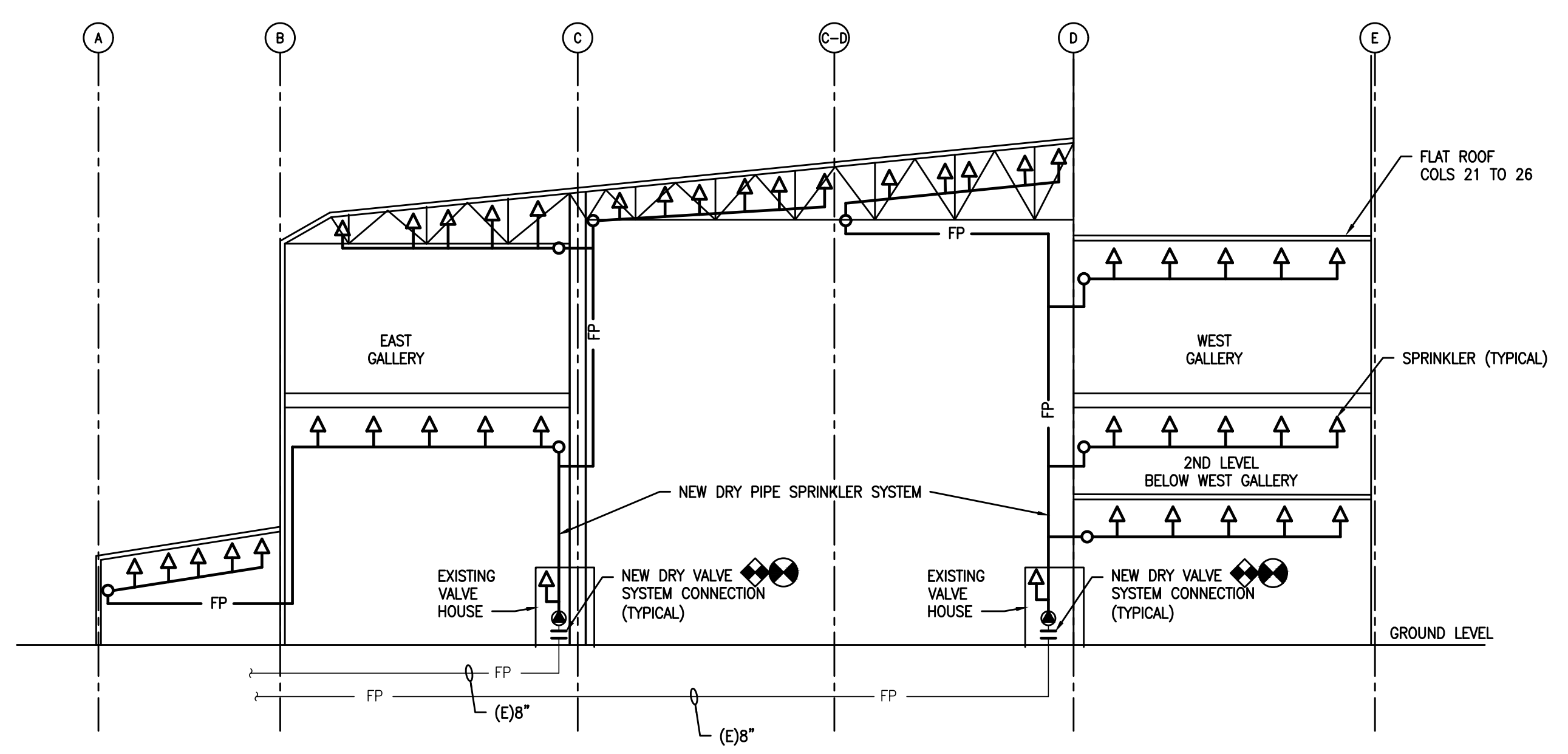
- VH VALVE HOUSE, FH FIRE HYDRANT, NEW DRY VALVE SPRINKLER SYSTEM RISER, EXISTING DRY VALVE SPRINKLER SYSTEM RISER, PIPE WITH PIPE SIZE, CHECK VALVES WITH DIRECTION OF FLOW, OS&Y VALVE, INDICATING VALVE, PRESSURE GAUGE, PRESSURE SWITCH, ELECTRIC ALARM GONG, FIRE PUMP, JOCKEY PUMP, DRY VALVE, SPRINKLER PIPING, PIPE BREAK, PIPE CAP, PIPE DROP, PIPE RISE, FIRE DEPARTMENT CONNECTION, LIMIT OF DEMOLITION, NEW, EXISTING, EXISTING TO REMAIN ACTIVE, REMOVE, DEMOLITION WORK NOTE, NEW WORK NOTE, DENOTES AREA SERVED BY A DRY VALVE SYSTEM, DENOTES JUNCTION BOX, UPRIGHT SPRINKLER HEAD, UNDER GROUND, NOT TO SCALE, VERIFY IN FIELD.



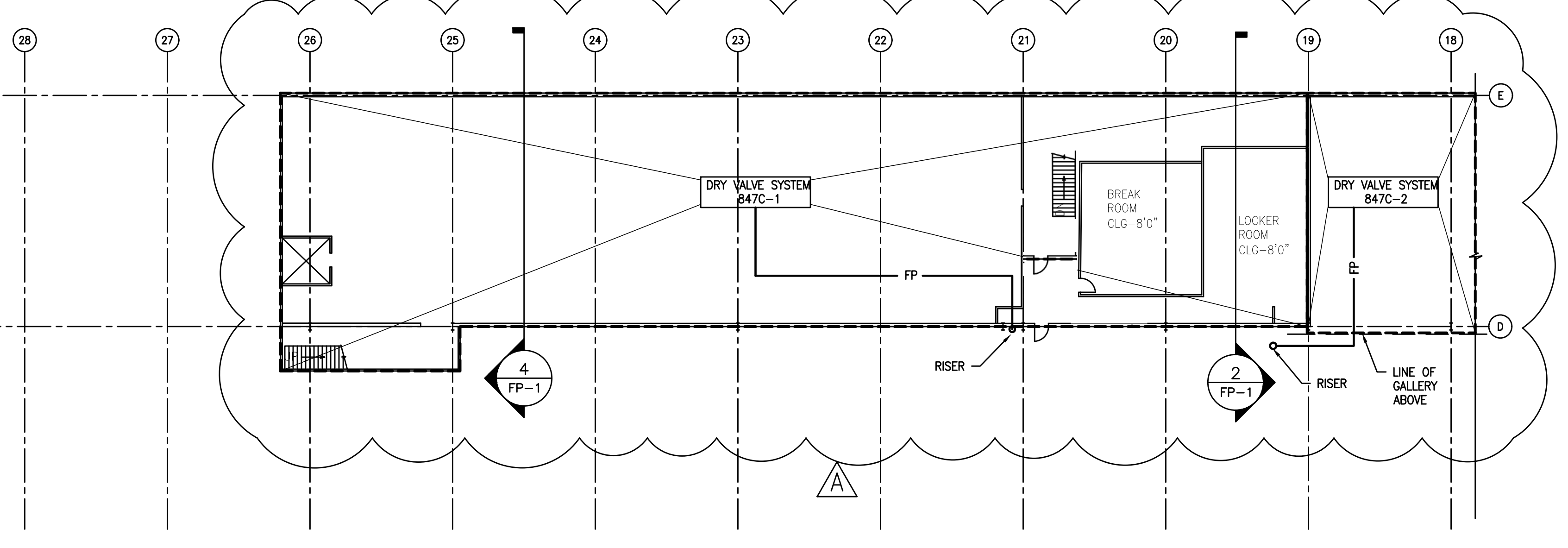
ROBERT MELLOHUSKY, PE NEW JERSEY LICENSE NO. Z466340100

BROADWAY TERMINAL BUILDINGS FIRE SPRINKLER SYSTEMS REPLACEMENT SOUTH JERSEY PORT CORPORATION (SJPC) 2800 BROADWAY, CAMDEN, NEW JERSEY 08101 FIRE PROTECTION COVER SHEET SOUTH JERSEY PORT CORPORATION (SJPC) 2800 BROADWAY, CAMDEN, NJ 08101

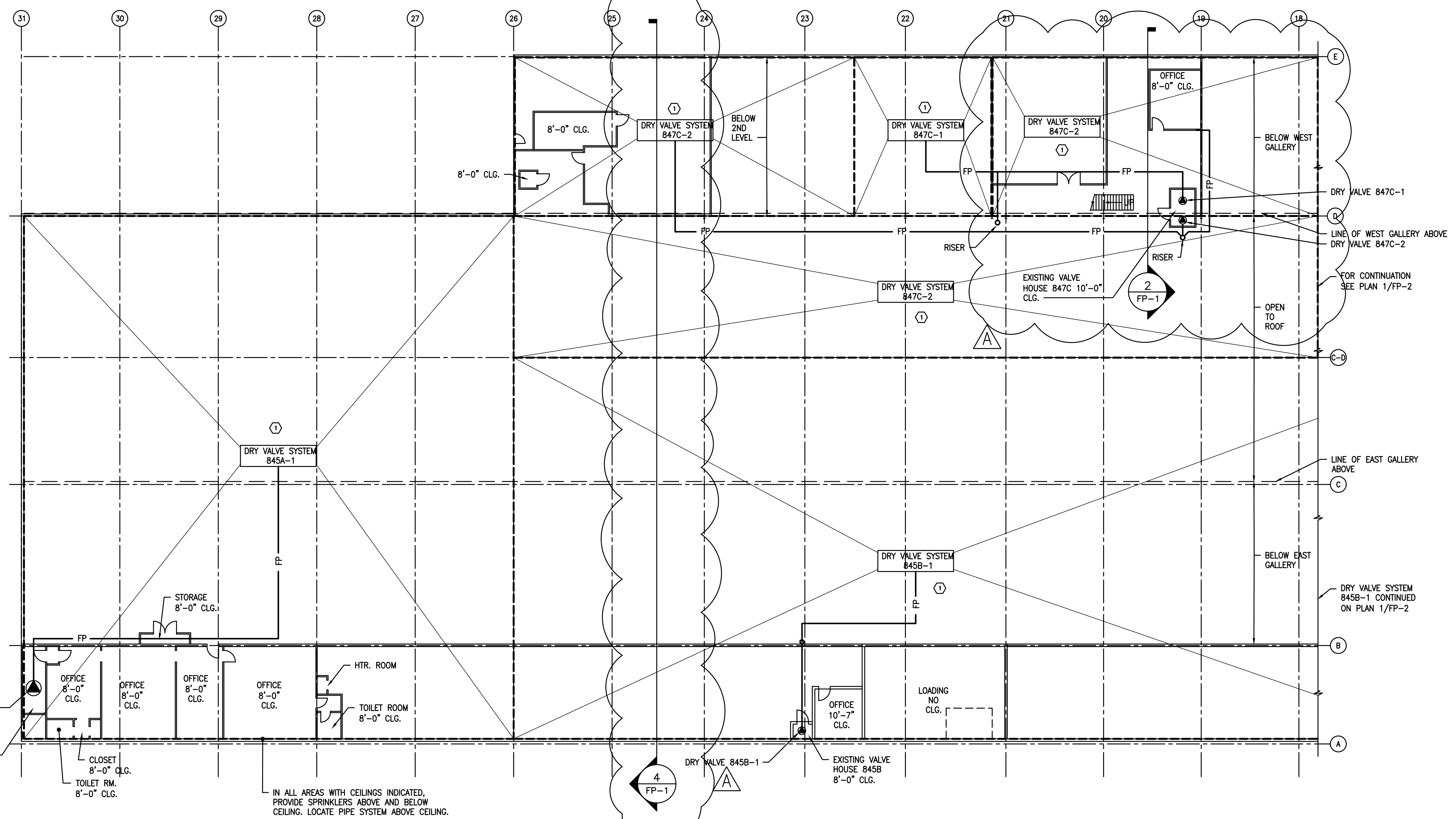
Table with columns for DATE, NO., REVISIONS, PROJECT, DATE, DRAWING SCALE, DRAWN BY, APPROVED BY, SHEET 002 OF 005.



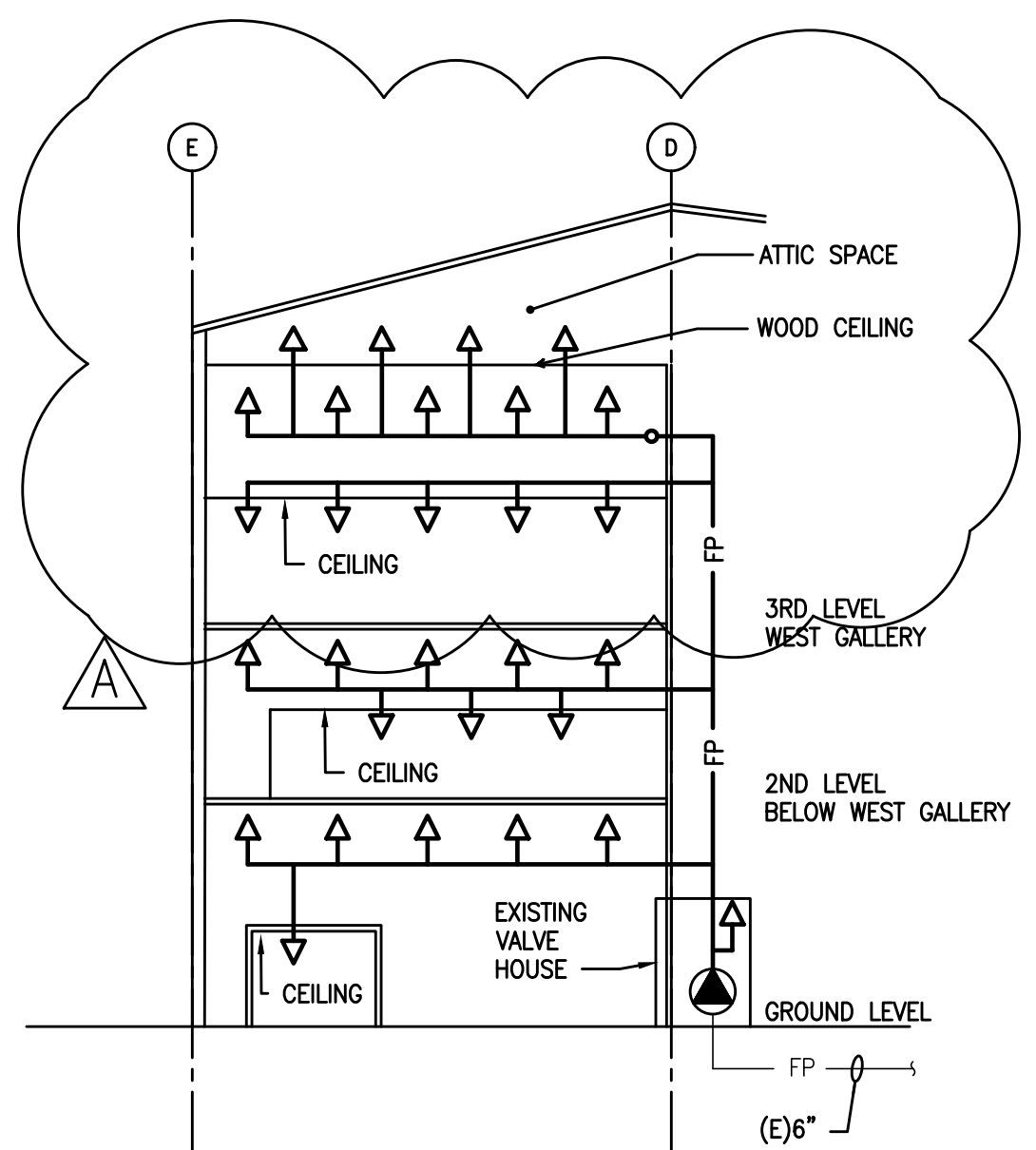
4 SECTION - BUILDING 'E'  
 FP-1 SCALE: 1/16"=1'-0" BTW COLS 24 & 25



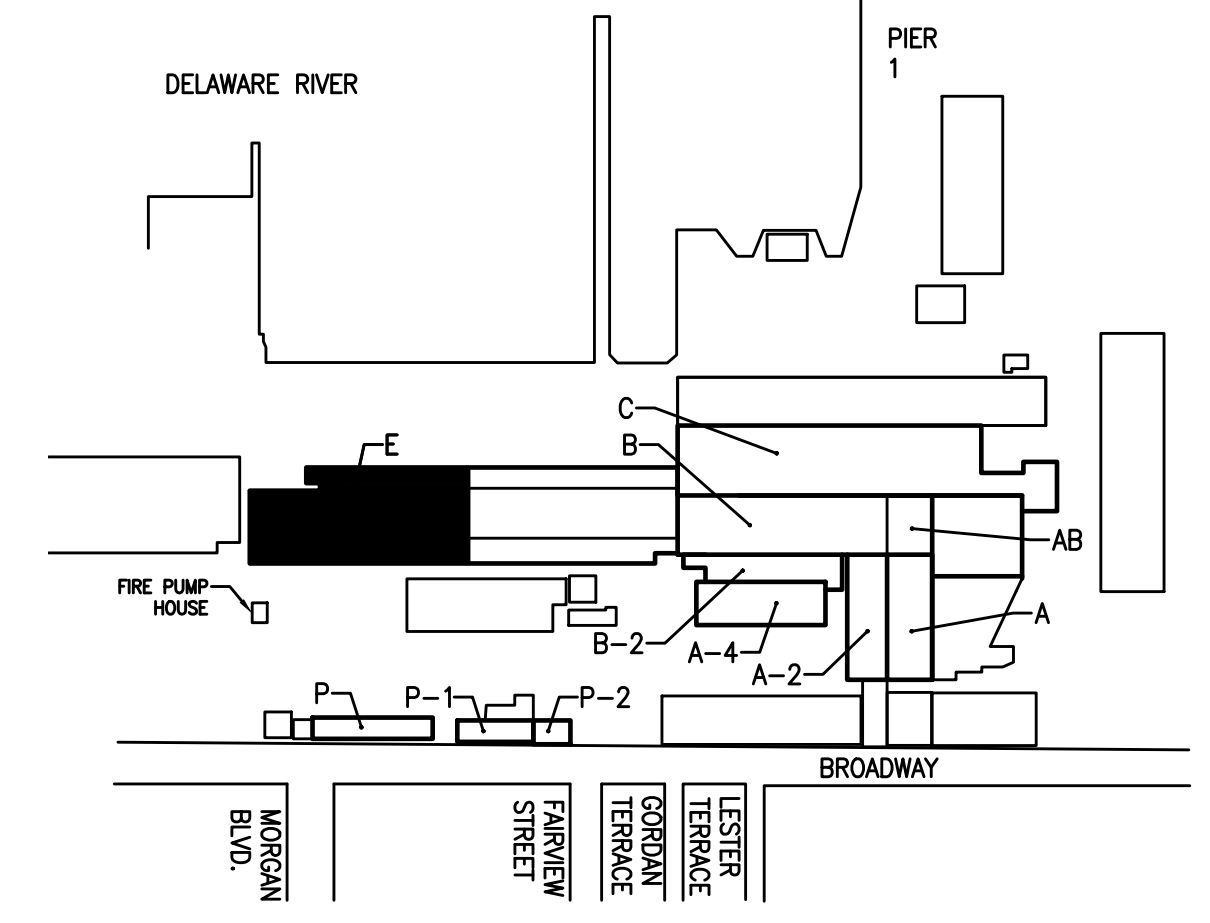
3 BUILDING 'E' - SECOND LEVEL WEST - UNDER GALLERY  
 FP-1 SCALE: 1/16"=1'-0"



1 BUILDING 'E' - GROUND FLOOR - UNDER GALLERY - NEW  
 FP-1 SCALE: 1/16"=1'-0"



2 SECTION BUILDING 'E' AT COL. 19  
 FP-1 SCALE: 1/16"=1'-0"



KEY PLAN  
 NOT TO SCALE

**DEMOLITION NOTES**  
 1 REMOVE ALL EXISTING SPRINKLER PIPING AND ASSOCIATED COMPONENTS AFTER NEW SPRINKLER SYSTEMS HAVE BEEN INSTALLED AND SUCH SUCCESSFULLY TESTED & INSPECTED/APPROVED BY THE AUTHORITY HAVING JURISDICTION.

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ALL DIMENSIONS UNLESS OTHERWISE NOTED BY CONTRACTOR  
 DISCREPANCIES BETWEEN DIMENSIONS SHALL BE RESOLVED BY THE CONTRACTOR  
 N. CERTIFICATE OF AUTHORIZATION NO. 24020203000  
**ROBERT MCELLOHUSKY, PE**  
 NEW JERSEY LICENSE NO. 246094010

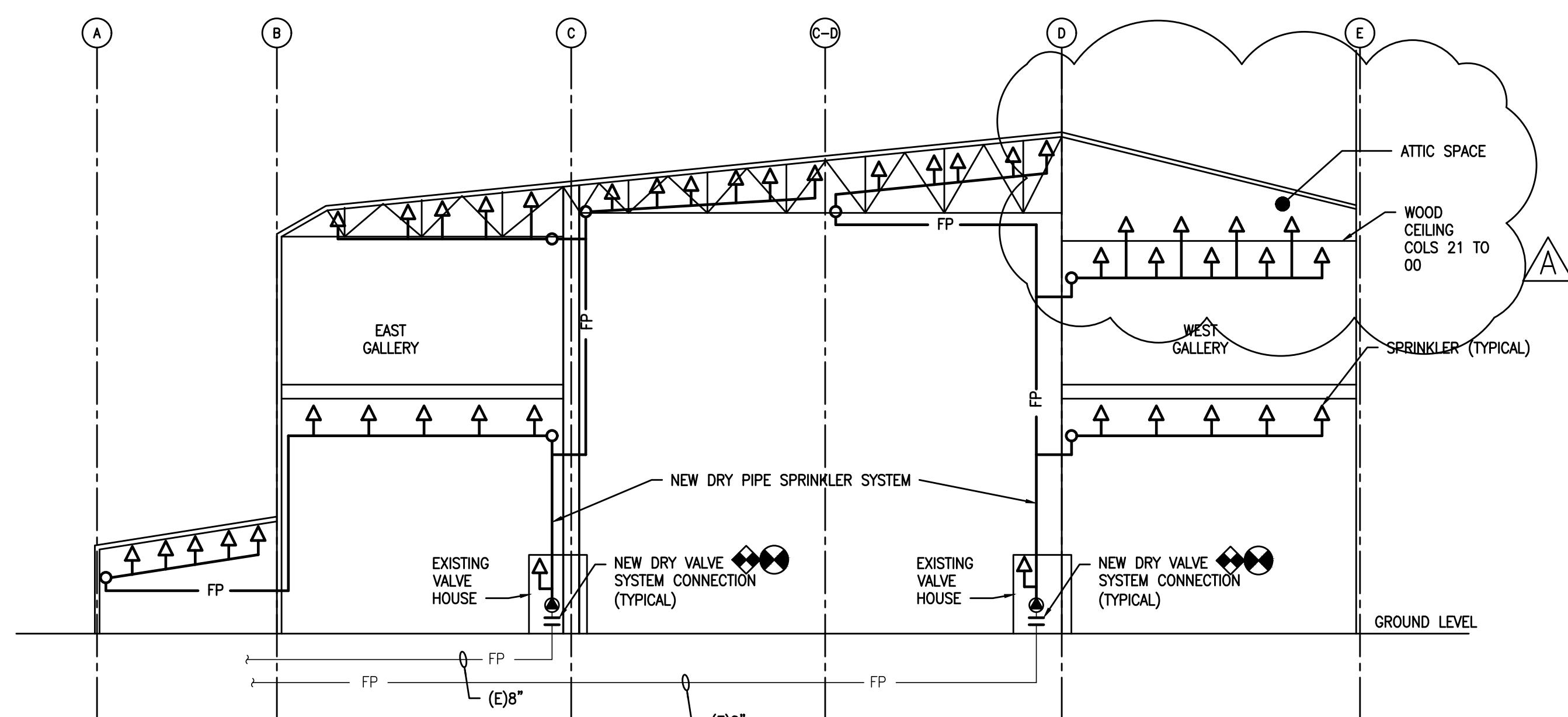
BROADWAY TERMINAL BUILDINGS FIRE SPRINKLER SYSTEMS REPLACEMENT  
 SOUTH JERSEY PORT CORPORATION (SJPC)  
 250 BROADWAY, CAMDEN, NEW JERSEY

FIRE PROTECTION PLAN BUILDING 'E'  
 SOUTH JERSEY PORT CORPORATION (SJPC)  
 2ND AND BECKETT STREETS  
 CAMDEN, NJ 08101

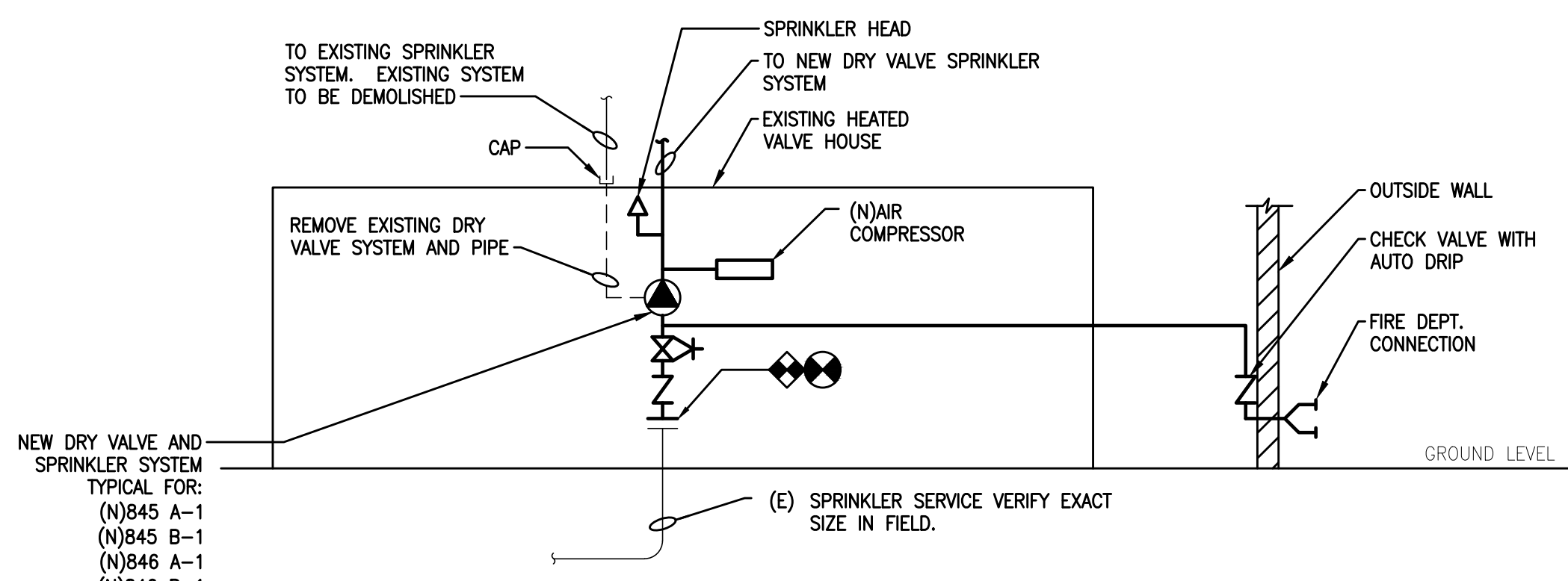
DATE	NO.	REVISIONS	BY
11/17/2024	A	ADDENDUM #2	RM/NL
10/4/2024		ISSUED FOR BID	

PROJECT	PCSJ 1502
DATE	9/XX/2024
DRAWING SCALE	AS NOTED
DRAWN BY	NL
APPROVED BY	RM

**FP-1**  
 SHEET 003 OF 005

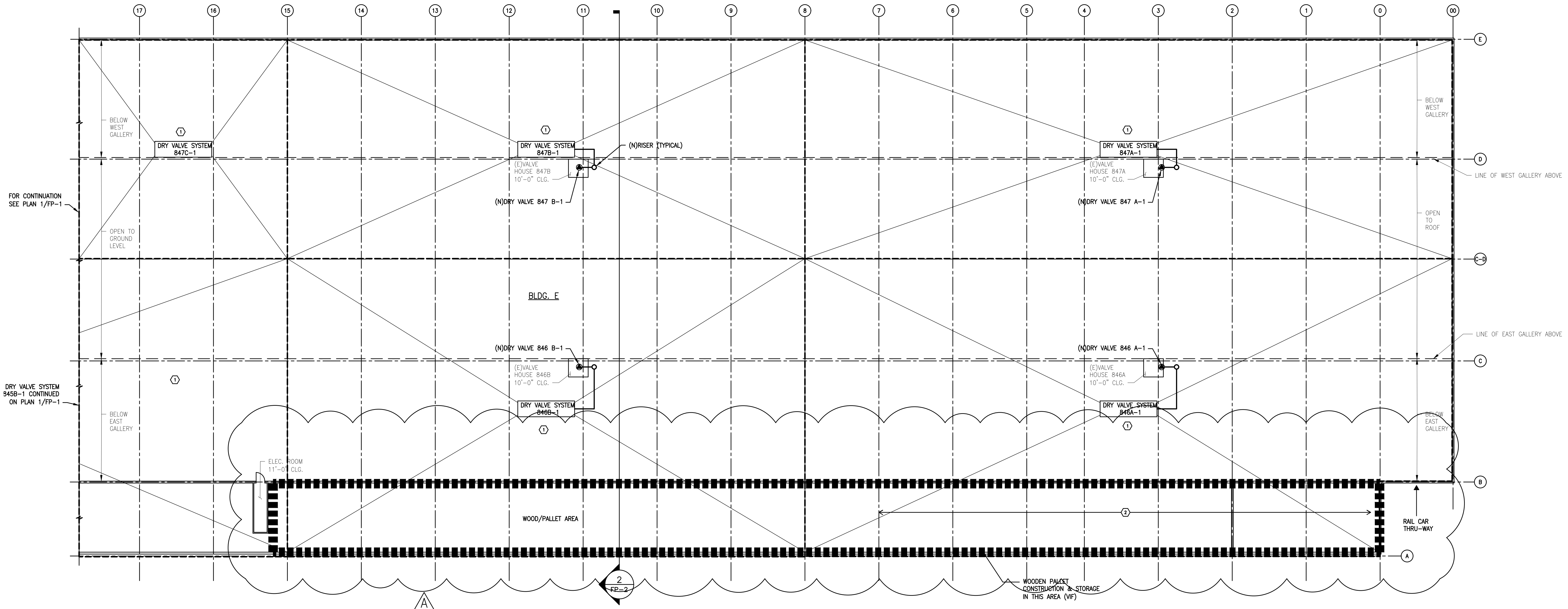


**2 SECTION - BUILDING 'E'**  
 SCALE: 1/16"=1'-0"  
 BTW COLS 10 & 11



**3 TYPICAL VALVE HOUSE PIPE DETAIL**

- SCALE: NONE
- ◆ REMOVE EXISTING DRY VALVE SYSTEM AND PIPING IN VALVE ROOM.
  - PROVIDE NEW DRY VALVE SPRINKLER SYSTEM. CONNECT (N)AIR COMPRESSOR POWER TO EXISTING AIR COMPRESSOR 120V POWER CIRCUIT.
- NOTE: VALVE HOUSE 847C HAS 2 DRY VALVES - 847C-1 & 847C-2 - CONNECT BOTH DRY VALVES TO A COMMON FIRE DEPARTMENT CONNECTION.

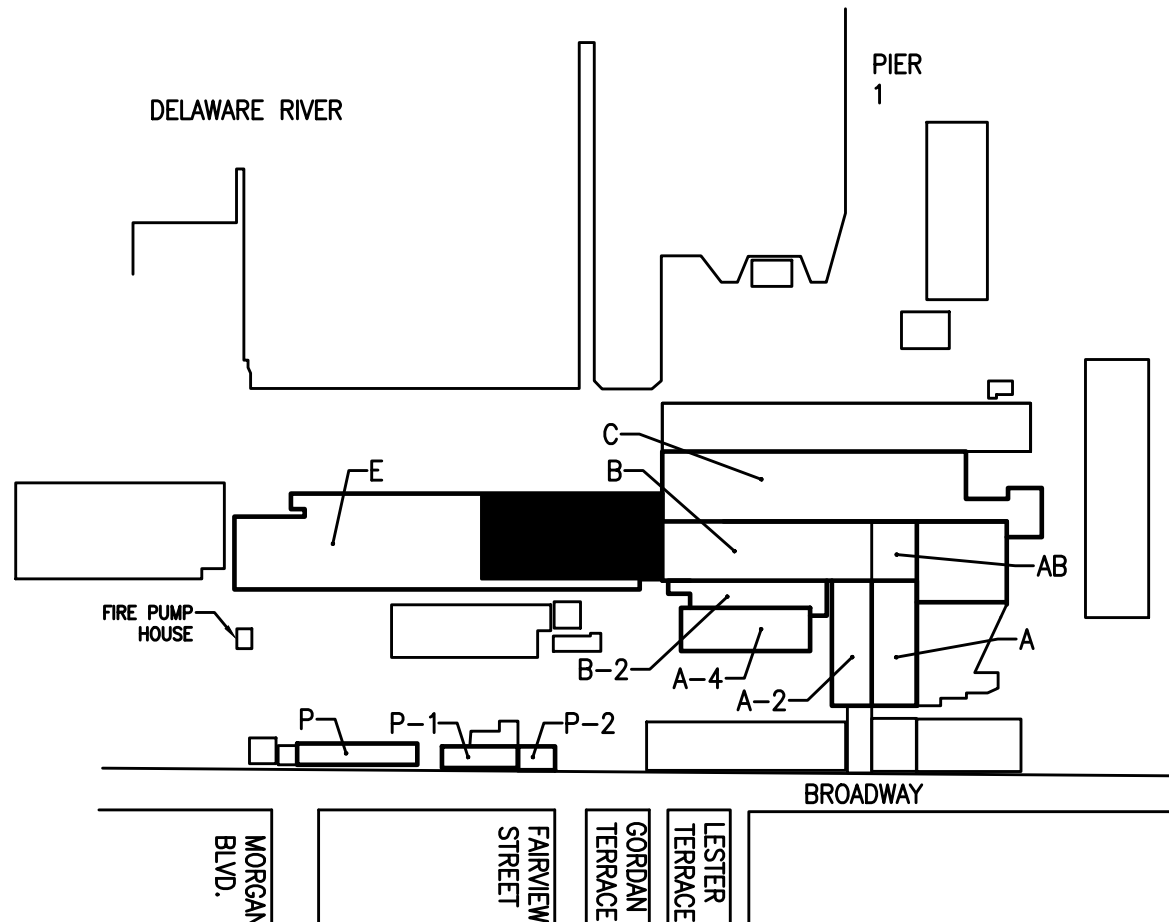


**1 FIRE PROTECTION BUILDING 'E' - GROUND FLOOR UNDER GALLERY - NEW**

SCALE: 1/16"=1'-0"  
 NOTE: ALL AREAS WHERE CEILINGS ARE INDICATED PROVIDE SPRINKLER ABOVE AND BELOW CEILING.

**DEMOLITION NOTES**

- 1 REMOVE ALL EXISTING SPRINKLER PIPING AND ASSOCIATED COMPONENTS AFTER NEW SPRINKLER SYSTEMS HAVE BEEN INSTALLED AND SUCCESSFULLY TESTED & INSPECTED/APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- 2 NO EXISTING FIRE PROTECTION PIPING FROM COLUMNS 0 THROUGH 7 IN WOOD/PALLET AREA. DEMOLITION NOT REQUIRED



**KEY PLAN**  
 NOT TO SCALE

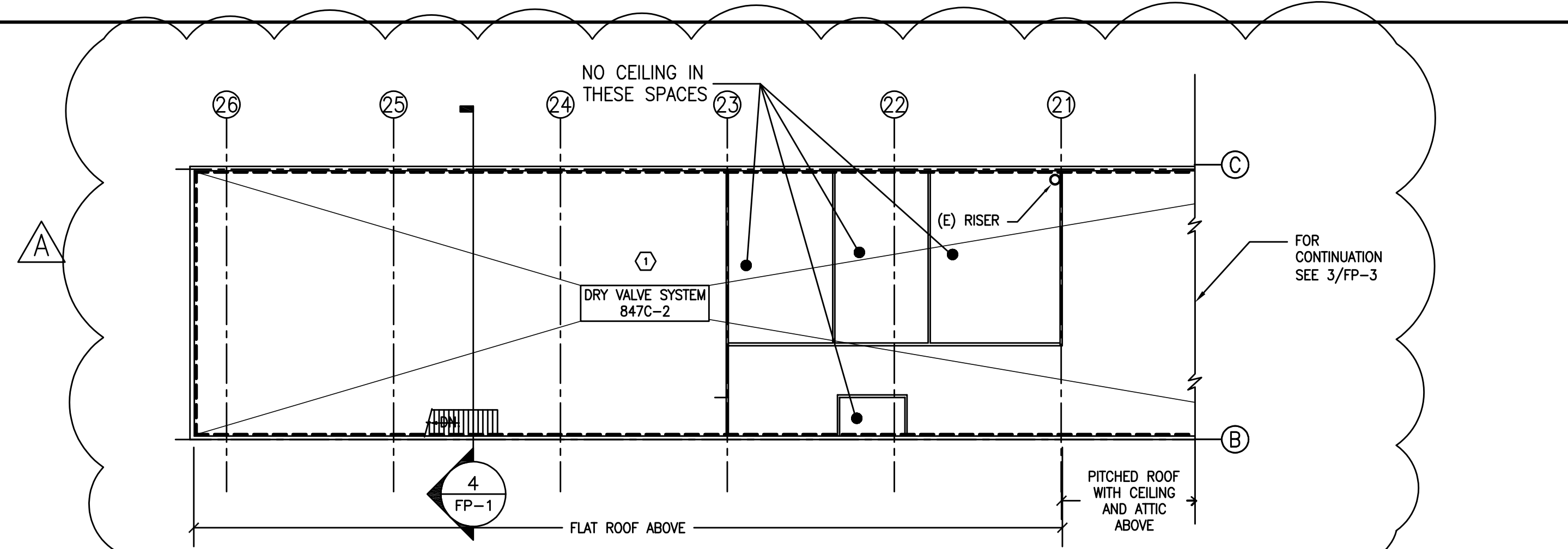
NO.	DATE	ISSUED FOR	BY
1	11/17/2024	ADDENDUM #2	RM/NL
2	10/4/2024	ISSUED FOR BID	RM/NL

ALL DOCUMENTS PREPARED BY PENNONI ASSOCIATES, INC. ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS ON THE EXTENSION OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OF ADAPTATION BY PENNONI ASSOCIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO PENNONI ASSOCIATE, AND PENNONI ASSOCIATES SHALL BE HELD HARMLESS FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

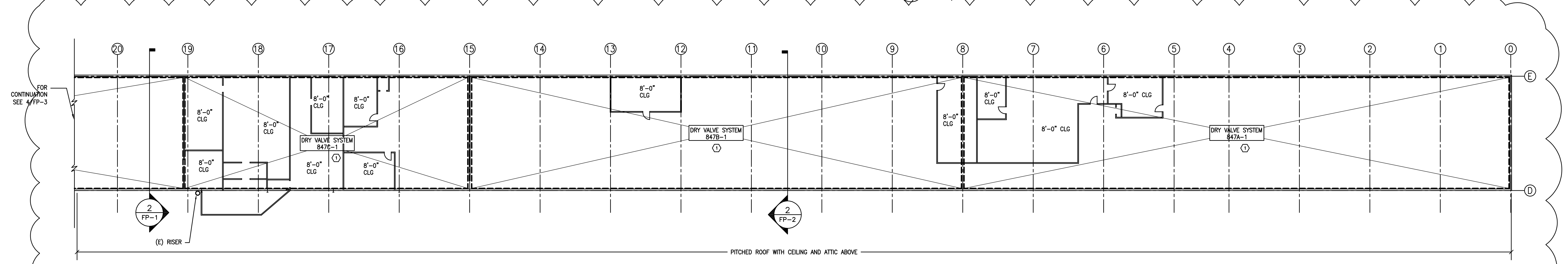
PROJECT	PCSJ 1502
DATE	9/XX/2024
DRAWING SCALE	AS NOTED
DRAWN BY	NL
APPROVED BY	RM

**DEMOLITION NOTES**

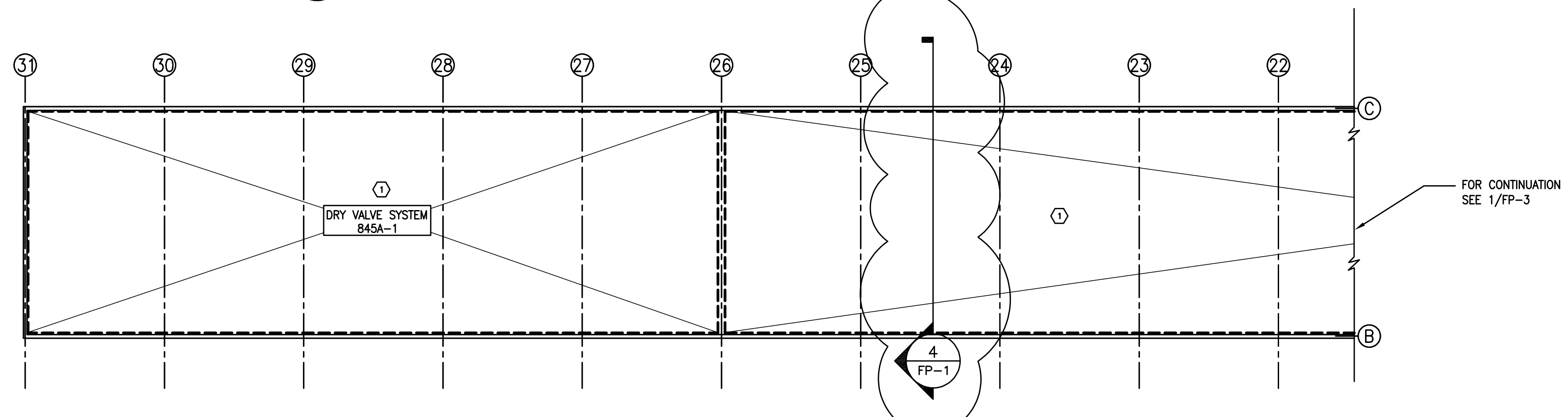
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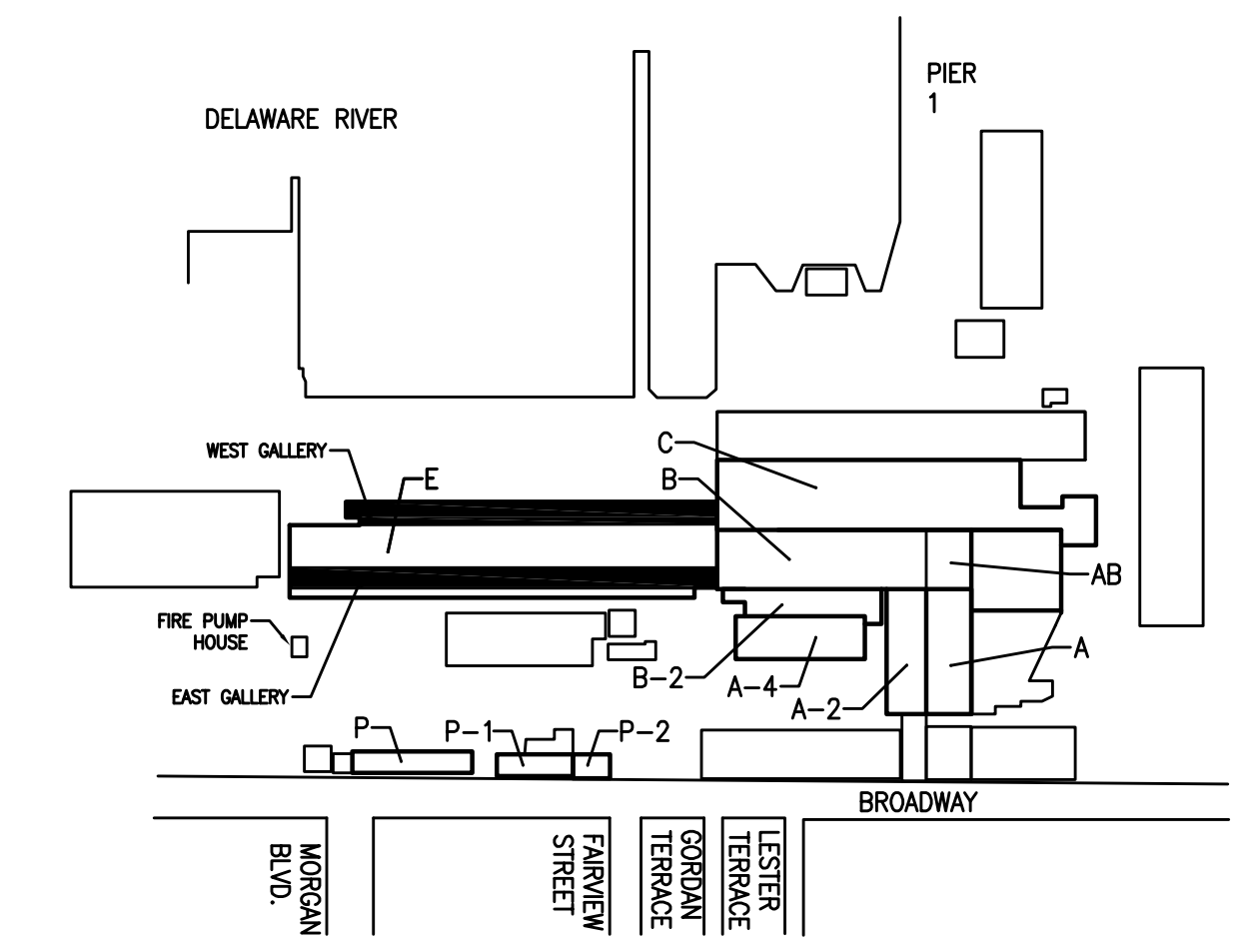
4 FIRE PROTECTION BUILDING 'E' - WEST GALLERY PARTIAL PLAN - UNDER ROOF - NEW  
SCALE: 1/16"=1'-0"



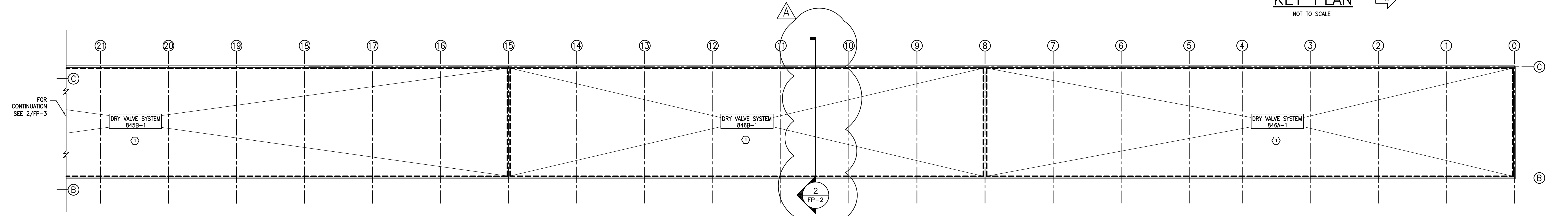
3 FIRE PROTECTION BLDG. 'E' - WEST GALLERY PARTIAL PLAN - UNDER ROOF - NEW  
SCALE: 1/16"=1'-0"



2 FIRE PROTECTION BUILDING 'E' - EAST GALLERY PARTIAL PLAN - NEW  
SCALE: 1/16"=1'-0"



KEY PLAN  
NOT TO SCALE



1 FIRE PROTECTION BUILDING 'E' - EAST GALLERY PARTIAL PLAN - NEW  
SCALE: 1/16"=1'-0"

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NO. CERTIFICATE OF AUTHORIZATION NO. 24G026033300

BROADWAY TERMINAL BUILDINGS FIRE SPRINKLER SYSTEMS REPLACEMENT  
FIRE PROTECTION PLAN BUILDING 'E'  
SOUTH JERSEY PORT CORPORATION (SJPC)  
2500 BROADWAY, CAMDEN, NEW JERSEY  
NO. AND BENNETT STREETS  
CAMDEN, NJ 08101

NO.	DATE	REVISIONS	BY
1	11/17/2024	ADDENDUM #2	RM/NL
2	10/04/2024	ISSUED FOR BID	RM/NL

PROJECT: PCSJ 1502  
DATE: 9/XX/2024  
DRAWING SCALE: AS NOTED  
DRAWN BY: NL  
APPROVED BY: RM

**FP-3**  
SHEET 005 OF 005