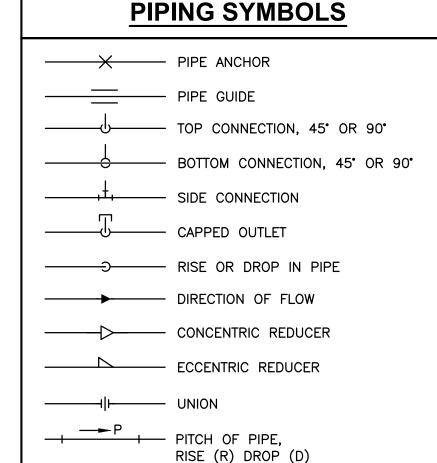
FIRE PROTECTION SYSTEM NOTES:

- 1. THE INTENT OF THESE DRAWINGS IS TO PROVIDE A COMPLETE & OPERATIVE SPRINKLER SYSTEM IN ACCORDANCE WITH ALL APPLICABLE CODES AS REQUIRED. THIS CONTRACTOR SHALL MEET THE INTENT OF THE PLANS & SPECIFICATIONS AS WELL AS THE ACCOMPANYING DOCUMENTS. THIS CONTRACTOR SHALL PROVIDE ANY ADDITIONAL MATERIAL & LABOR NOT SPECIFICALLY LISTED OR DIRECTED WHICH MAY BE REQUIRED TO MEET THE INTENT OF THE PLANS & SPECIFICATIONS FOR A COMPLETE AND OPERABLE
- 2. IT IS THIS CONTRACTOR'S SOLE RESPONSIBILITY TO PROVIDE ALL CUTTING PATCHING, BOXING, PRIME AND FINISH WORK REQUIRED TO COMPLETE THE INSTALLATION. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:
- A. WATER FLOW & PRESSURE TESTING OF AVAILABLE WATER SUPPLY
- B. PIPE SIZING VIA THE HYDRAULIC PIPE SIZE METHOD PER NFPA-13.
- C. THE INSTALLATION OF ALL PIPING AND COORDINATION OF WORK WITH OTHER SUB-CONTRACTORS.
- D. INSPECTION & TESTING OF ALL PIPING & DEVICES, OBTAINING APPROVALS & PAYING OF ALL FEES AS REQUIRED FOR THE SYSTEM INSTALLATION & APPROVALS.
- E. ONE YEAR GUARANTEE ON MATERIAL & WORKMANSHIP. COMPLETE OPERATING INSTRUCTIONS INCLUDING MAINTENANCE & TESTING INSTRUCTIONS (POSTED IN SPRINKLER CONTROL AREA).
- 3. DO NOT PIERCE ANY STRUCTURAL MEMBER.
- 4. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL PIPING WITH THE BUILDING STRUCTURE. AS WELL AS WITH OTHER TRADES DURING CONSTRUCTION. SEE PLANS FOR ADDITIONAL REQUIREMENTS. CONTRACTOR SHALL OBTAIN APPROVAL & COORDINATE WITH THE LOCAL AUTHORITY HAVING JURISDICTION.
- 5. ALL SPRINKLER DISTRIBUTION PIPING DOWNSTREAM OF THE RESIDENTIAL RISER ASSEMBLY SHALL BE CHLORINATED POLYVINYL CHLORIDE (CPVC) PIPE, MEETING THE STANDARDS OF ASTM F 442. NON-METALLIC FITTINGS SHALL BE RATED FOR 175 PSI AT 120°F.
- 6. THE SPRINKLER SYSTEM SUB-CONTRACTOR AND THE FIRE ALARM SYSTEM SUB-CONTRACTOR SHALL COORDINATE THE SYSTEM WITH THE FIRE DEPARTMENT AND OBTAIN ALL APPROVALS AND PAY ALL FEES.

7. SUPERVISORY SWITCHES AND FLOW SWITCHES TO BE FURNISHED AND INSTALLED BY THIS CONTRACTOR. CONNECTIONS TO BUILDING FIRE ALARM SYSTEM BY FIRE ALARM CONTRACTOR. 8. SPRINKLER CONTRACTOR SHALL PROVIDE ENGINEER WITH SIGNED & SEALED HYDRAULIC CALCULATIONS AND PIPE LAYOUT FOR REVIEW AND APPROVAL.

- 9. CONTRACTOR SHALL SEAL ALL PIPE PENETRATIONS THROUGH RATED WALLS AND CEILINGS WITH INTUMESCEANT TYPE FIRE SEALANT CAULK. PROVIDE ESCUTCHEONS AT ALL PENETRATIONS IN FINISHED AREAS.
- 10. IN GENERAL, SPRINKLERS SHALL BE ARRANGED FOR A MAXIMUM COVERAGE AS SHOWN ON PLANS WHILE AVOIDING LIGHTS, DIFFUSERS, ETC. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE HIS PIPING AND SPRINKLERS FOR PROPER COVERAGE IN EACH AREA. ADD SPRINKLERS AS REQUIRED FOR PROPER COVERAGE AS DICTATED BY ACTUAL FIELD
- 11. ALL FIRE PROTECTION SYSTEMS PROVIDED SHALL BE U.L. LISTED AND F.M. APPROVED AS APPLICABLE.
- 12. CONTRACTOR SHALL PROVIDE AND INSTALL ALL COMPONENTS INDICATED ON DETAIL SHEETS, PLANS, SPECIFICATIONS AND ALL PERTINENT EQUIPMENT REQUIRED FOR A COMPLETE AND WORKABLE SYSTEM.
- 13. CONTRACT CLOSE OUT: IN THE PRESENCE OF THE OWNER, ENGINEER OR ARCHITECT; DEMONSTRATING OPERATION OF SYSTEMS AND THAT ALL SPECIFICATIONS HAVE BEEN MET TO THE SATISFACTION OF ALL PARTIES.
- 14. IT IS THE INTENTION THAT THESE SPECIFICATIONS, AND DRAWINGS ACCOMPANYING SAME, SHALL PROVIDE FOR THE FURNISHING AND INSTALLING OF THE FIRE PROTECTION SYSTEMS COMPLETE AS SPECIFIED AND SHOWN. ANY WORK SHOWN ON THE DRAWINGS AND NOT PARTICULARLY DESCRIBED IN THE SPECIFICATIONS OR VICE VERSA. OR ANY WORK CHANGES WHICH MAY BE EVIDENTLY NECESSARY TO COMPLETE THE INSTALLATION SHALL BE FURNISHED BY THIS CONTRACTOR.
- 15. IT IS THE INTENT AND PURPOSE OF THESE SPECIFICATIONS AND DRAWINGS TO INCLUDE AND PROVIDE FOR ALL MATERIALS, APPLIANCES AND LABOR TO PROPERLY COMPLETE AND LEAVE IN PERFECT WORKING CONDITION THE ENTIRE SYSTEM HEREINAFTER SPECIFIED. ANY MATERIAL, LABOR OR APPLIANCE NOT SPECIFICALLY MENTIONED IN THESE SPECIFICATIONS OR SHOWN ON THE DRAWINGS, BUT NECESSARY FOR A COMPLETE INSTALLATION MUST BE FURNISHED BY THIS CONTRACTOR.
- 16. IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS TO PROVIDE ALTERATIONS AND/OR NEW CONSTRUCTION AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS TO PROVIDE COMPLETE NEW SYSTEMS IN EVERY RESPECT, CAPABLE OF OPERATING AS DESIGNED. IT IS NOT INTENDED THAT EVERY FITTING, MINOR DETAIL OR FEATURE BE SHOWN ON DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DETAIL NECESSARY FOR COMPLETION OF THESE SYSTEMS IN ACCORDANCE WITH GOOD PRACTICE.

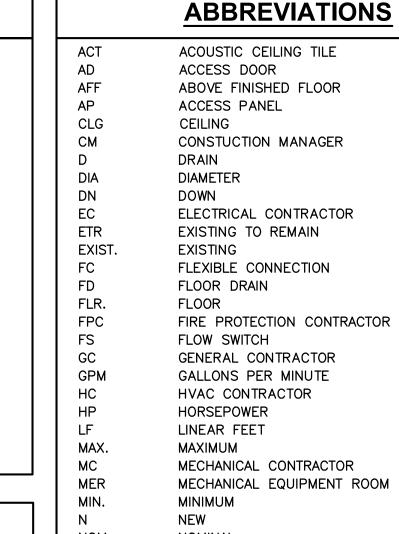


VALVE SYMBOLS

—	OS&Y GATE VALVE
│ ─┷ ─	OS&Y WITH TAMPER SWITCH
	OS&Y WITH TAMPER SWITCH
—₩—[GATE VALVE WITH 3/4" HOSE ADAPTER
_ _	CHECK VALVE
	FLEXIBLE CONNECTION
<u></u> б—	BALL VALVE

GENERAL SYMBOLS FIRE PROTECTION LINE TYPES

-/-/- or ---- EXISTING SPRINKLER PIPE TO BE REMOVED EXISTING SPRINKLER PIPE TO REMAIN NEW SPRINKLER PIPE



MECHANICAL CONTRACTOR MECHANICAL EQUIPMENT ROOM NOM. NOMINAL PLUMBING CONTRACTOR PC PGW PROPYLENE GLYCOL-WATER SOLUTION PRV PRESSURE REDUCING VALVE PSI POUNDS PER SQUARE INCH RR REMOVE & RELOCATE

S.S. STAINLESS STEEL TAMPER SWITCH U.N.O. UNLESS NOTED OTHERWISE VIBRATION INSOLATOR VERIFY IN FIELD

POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK POINT OF DISCONNECT - INDICATES SECTION LETTER INDICATES DRAWING NUMBER WHERE LOCATED FIRE HOSE SIAMESE CONNECTION FIRE HYDRANT FIRE PUMP MOTOR

PENDANT SPRINKLER HEAD

SIDE WALL SPRINKLER HEAD

UPRIGHT SPRINKLER HEAD

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> **Montebello Realty GP LLC**

architects

engineers

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t 845-343-1481 fx 855-320-8735 Project #: 15-345A

DESCRIPTION

FINAL BID / PERMIT

ISSUE FOR BID

90% V.E. SUBMISSION

22 Mulberry St., Suite 2A,

01/24/20

04/15/22

06/03/22

Middletown, NY 10940

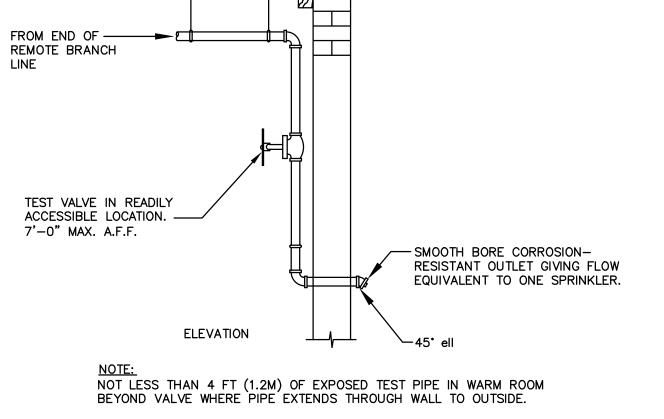
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FIRE PROTECTION: SYMBOLS, ABBREVIATIONS & NOTES



(1) WATER MOTOR ALARM

(4) AUTOMATIC DRIP VALVE

(9) 2" SYSTEM DRAIN

(12) BALL DRIP DRAIN

(2) WATER MOTOR ALARM DRAIN

(5) 2" MAIN DRAIN CONNECTION

(7) 4" FIRE DEPT. AUX. SUPPLY

(10) WET PIPE SPRINKLER SERVICE

(1) WET PIPE SPRINKLER VALVE

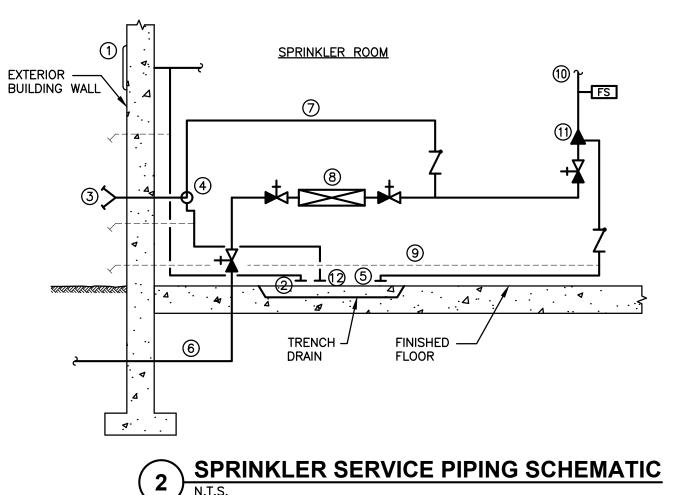
6 6 UNDERGROUND SPRINKLER MAIN

(8) DOUBLE CHECK DETECTOR ASSEMBLY

(3) FIRE DEPT. CONNECTION—COORDINATE HEIGHT

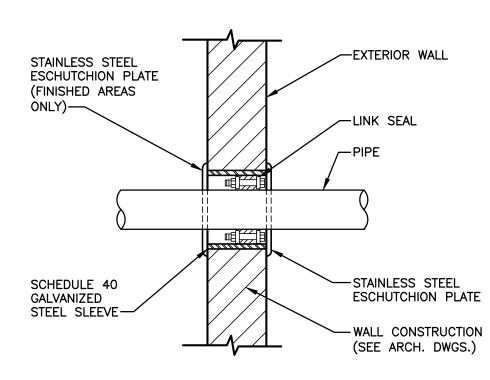
w/LOCAL FIRE MARSHAL OR INSPECTOR

INSPECTOR'S TEST CONNECTION

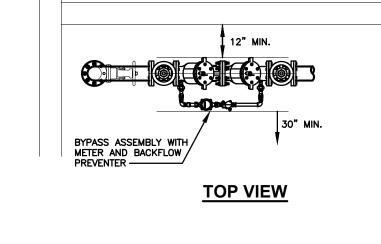


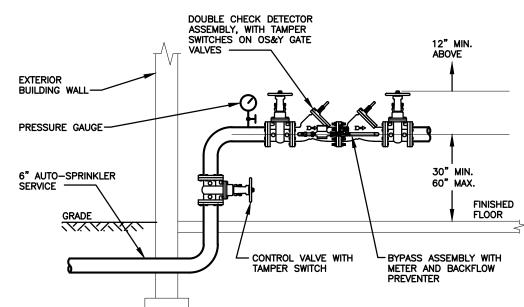
1. CONTRACTOR TO SIZE SPRINKLER SERVICE DISTRIBUTION PIPING BASED ON HYDRAULIC CALCULATIONS.

2. PROVIDE PIPE SUPPORTS FOR DUAL CHECK DETECTOR ASSEMBLY AS REQUIRED.



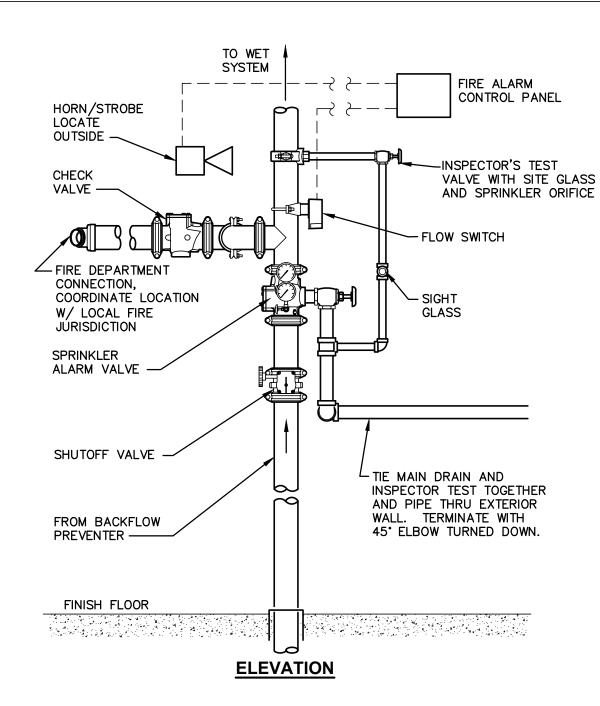
3 EXTERIOR WALL PENETRATION DETAIL
N.T.S.





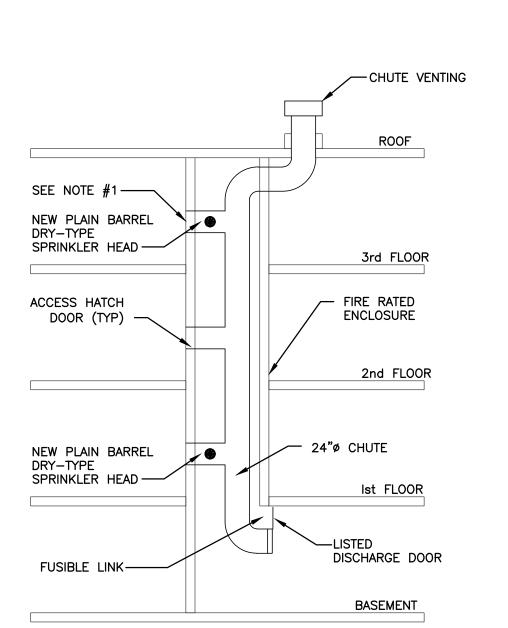
SIDE VIEW

- WATER SERVICE ASSEMBLY SHALL BE INSTALLED WITH A CENTERLINE HEIGHT FROM 30 TO 60 INCHES ABOVE FINISHED FLOOR. 2. MAINTAIN THE FOLLOWING SERVICE CLEARANCES FOR THE ASSEMBLY: 30 INCHES MINIMUM
 12 INCHES MINIMUM
 12 INCHES MINIMUM
- 3. NO STRAINERS SHALL BE INSTALLED PRIOR TO THE FIRE SERVICE BACKFLOW PREVENTION ASSEMBLY.
- 4. THE BACKFLOW PREVENTION ASSEMBLY SHALL BE INSTALLED IN A HEATED LOCATION. 5. ENTIRE ASSEMBLY SHALL BE ADEQUATELY SUPPORTED AND RESTRAINED.
- 5. PLUMBING CONTRACTOR SHALL TEST ALL COMPONENTS AND RUN A MINIMUM OF 100
- 7. THE DCDA ASSEMBLY AND INSTALLATION SHALL CONFORM WITH THE REQUIREMENTS OF THE BUILDING CODE OF NYS, NYS DOH AND ORANGE COUNTY DOH.
- 8. REFER TO PLANS FOR QUANTITIES AND LOCATIONS.
- $_{ackslash}$ BACKFLOW PREVENTER DETAIL



5 ALARM VALVE RISER DETAIL

N.T.S.



DRY-TYPE SPRINKLER HEADS ABOVE EACH 18" DIAMETER OFF-TAKE CHUTE ON ALTERNATING FLOORS AS SHOWN IN THE SCHEMATICS FOR EACH CHUTE. THE SPRINKLER HEADS SHALL BE TYPICAL OF VIKING MODEL# VK150 STANDARD ORIFICE PLAIN BARREL DRY-TYPE

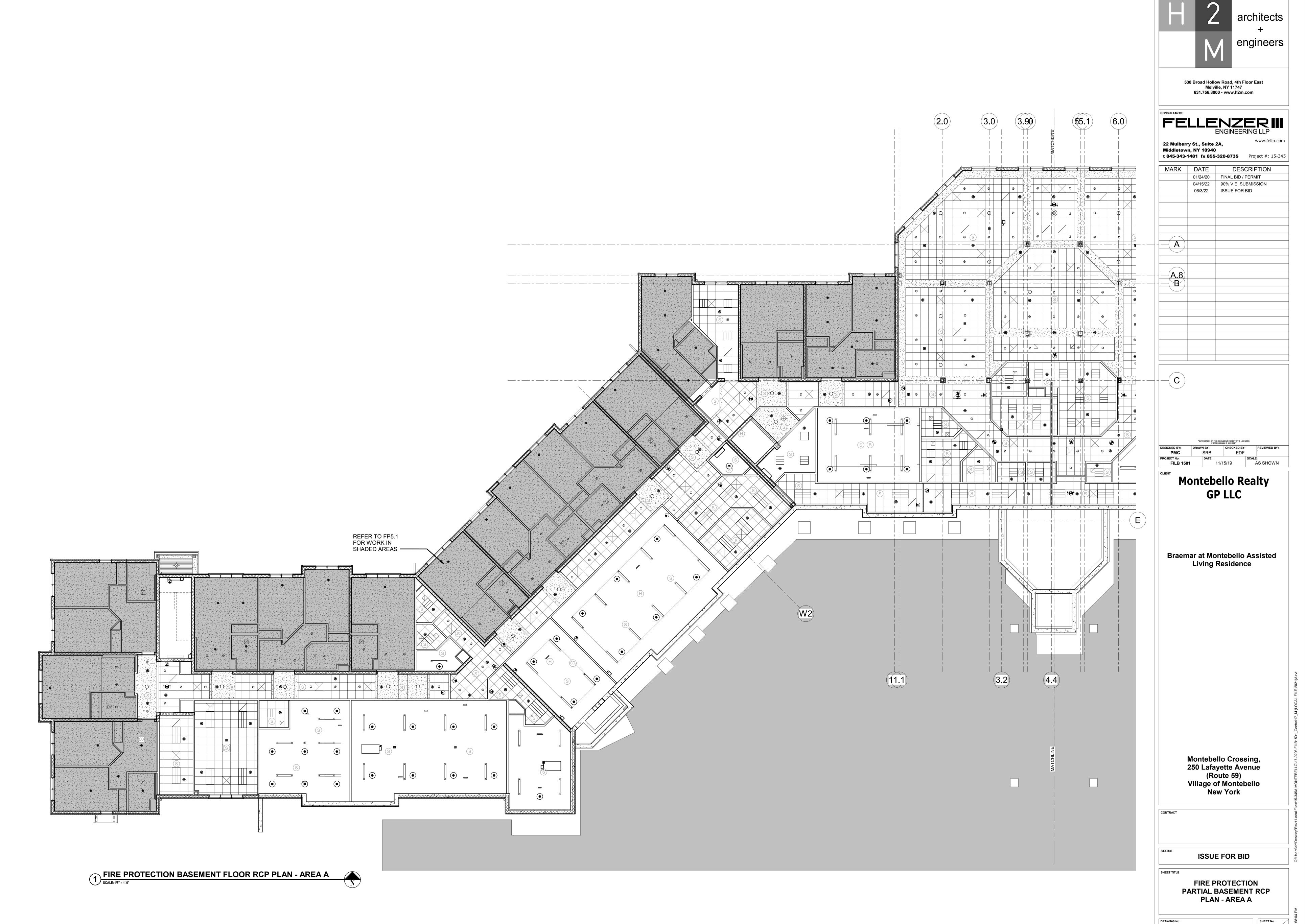
NECESSARY APPURTENANCES INCLUDING BUT NOT LIMITED TO PIPING, NIPPLES, REDUCERS & COUPLINGS TO PROVIDE A COMPLETE AND OPERABLE SYSTEM.

SPRINKLER HEADS.

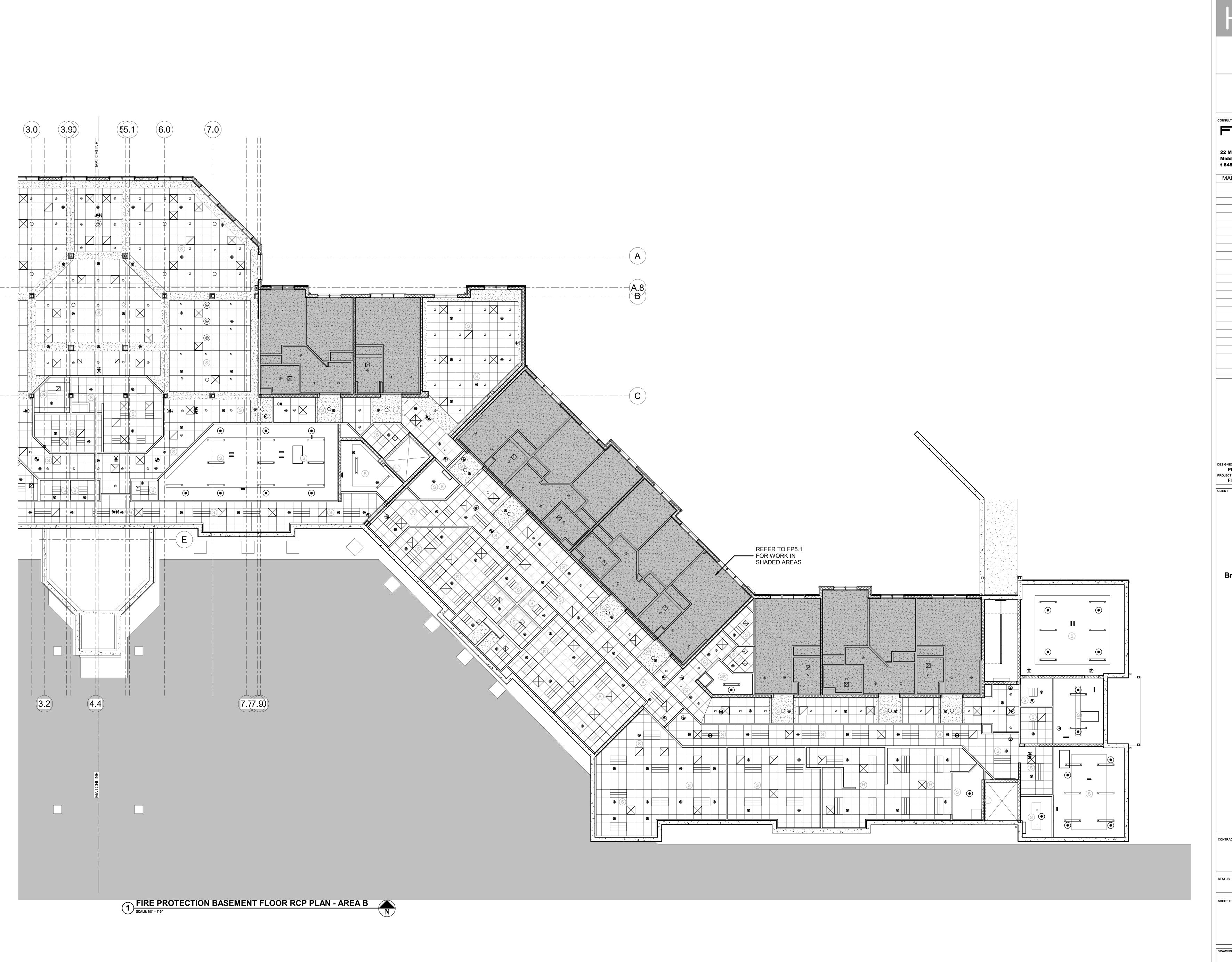
- 3. THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE & INSTALL ALL NECESSARY FIRE RATED CAULKS AND SEALANTS TO MAINTAIN THE FIRE RATING OF THE LINEN CHUTE, SHAFT & AREAWAYS.
- 4. ALL FIRE PROTECTION SYSTEMS AND COMPONENTS PROVIDED SHALL BE U.L. CERTIFIED AND FM APPROVED.

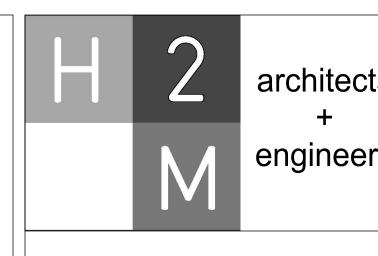
6 SCHEMATIC SECTION FOR LINEN CHUTES A, & B

2. THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE & INSTALL ALL



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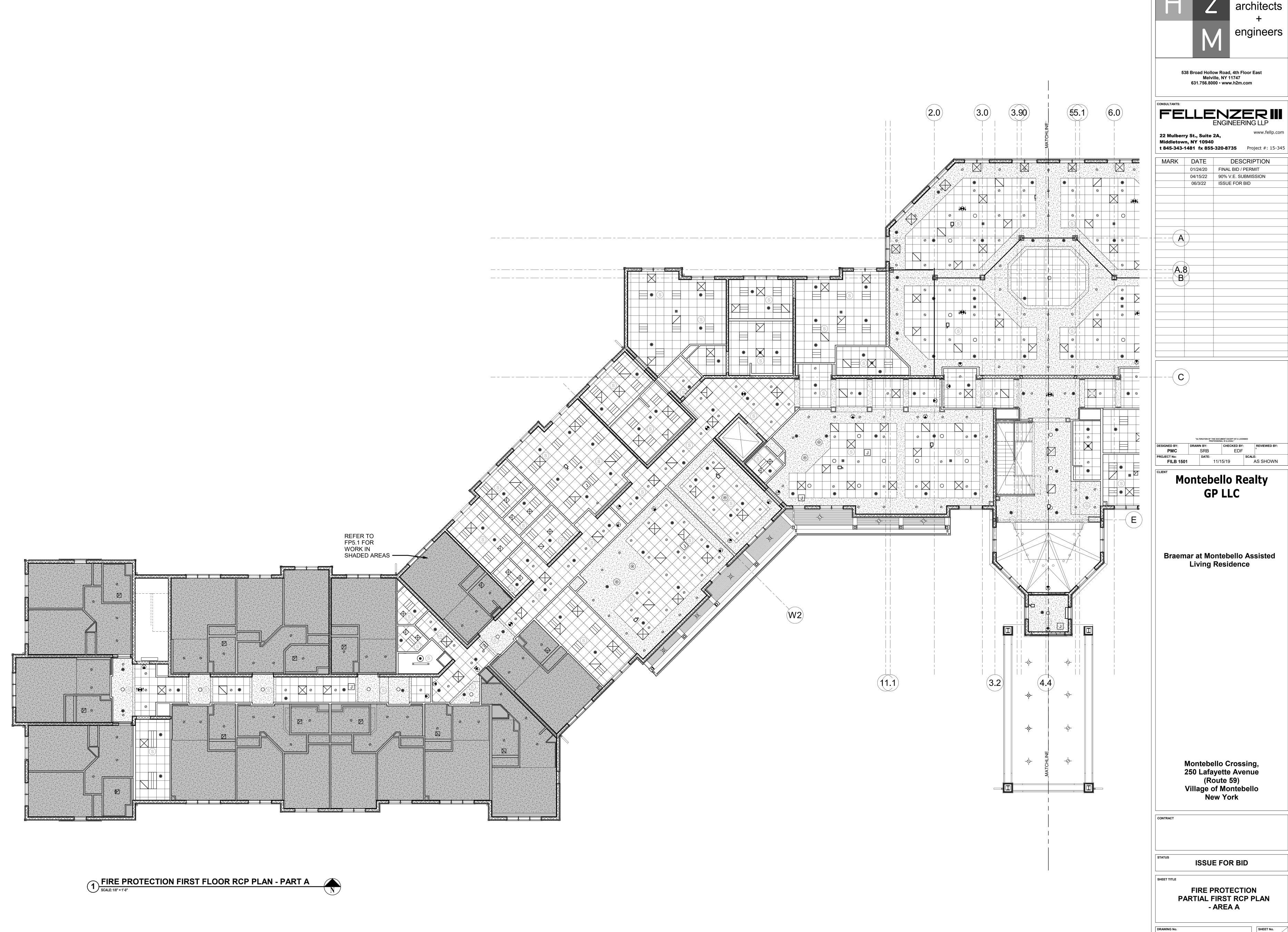
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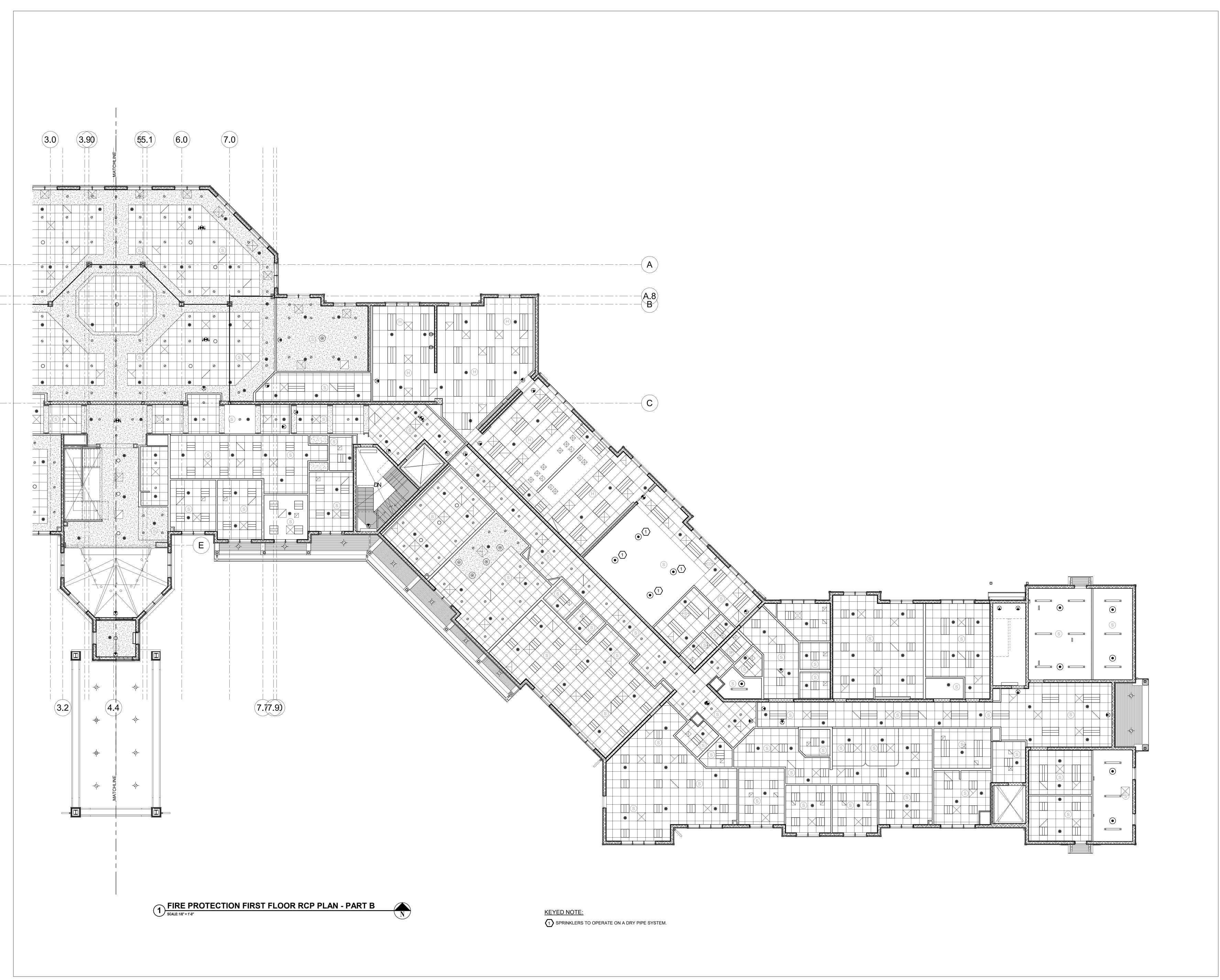
FIRE PROTECTION PARTIAL BASEMENT RCP PLAN - AREA B

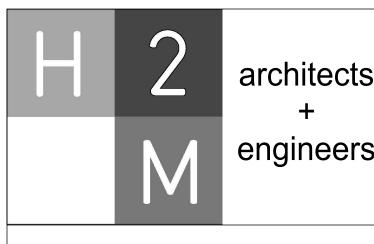
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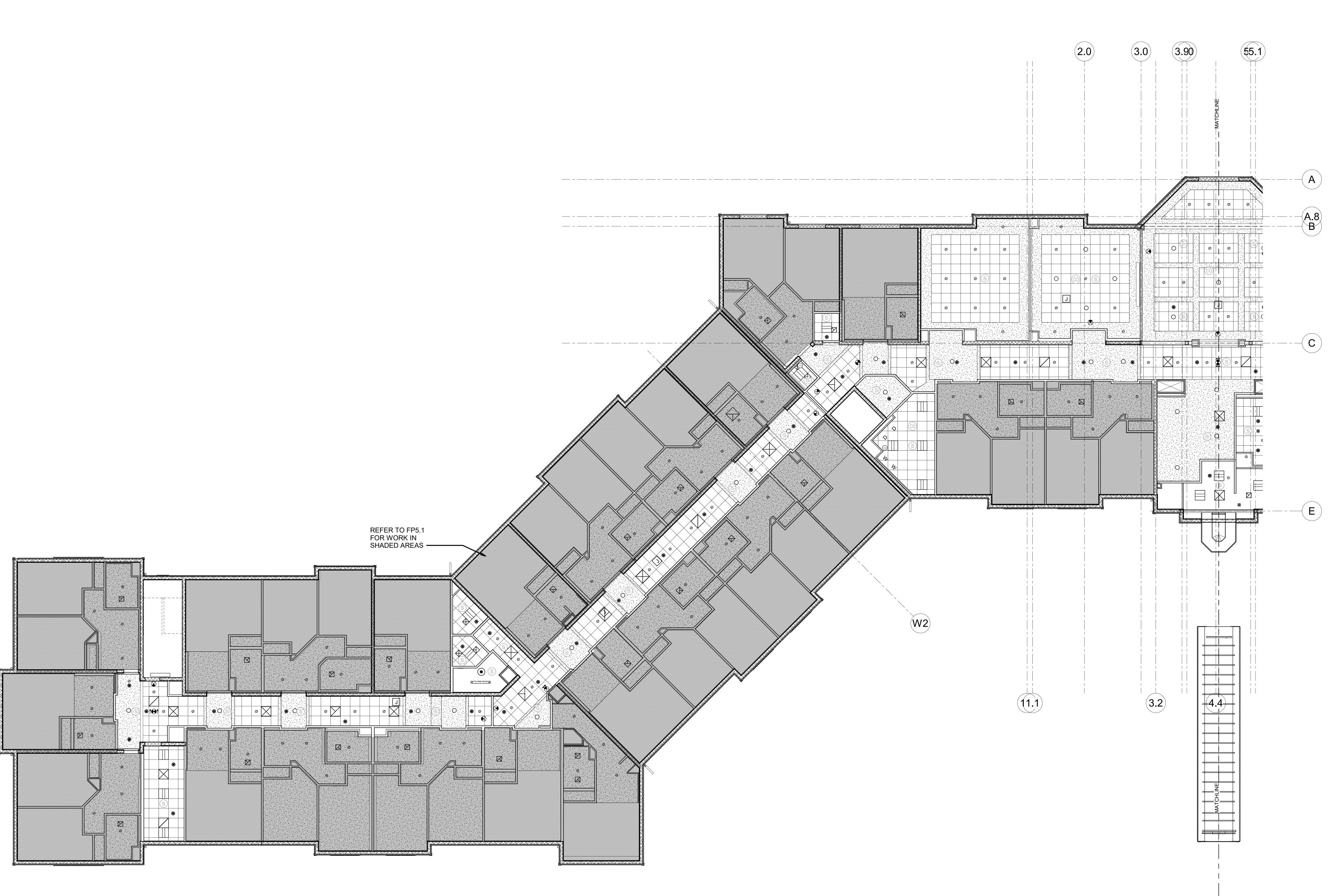
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FIRE PROTECTION
PARTIAL FIRST RCP PLAN

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FIRE PROTECTION SECOND FLOOR RCP PLAN - PART A

SCALE: 1/8" = 1'-0"

H 2 architects + engineers

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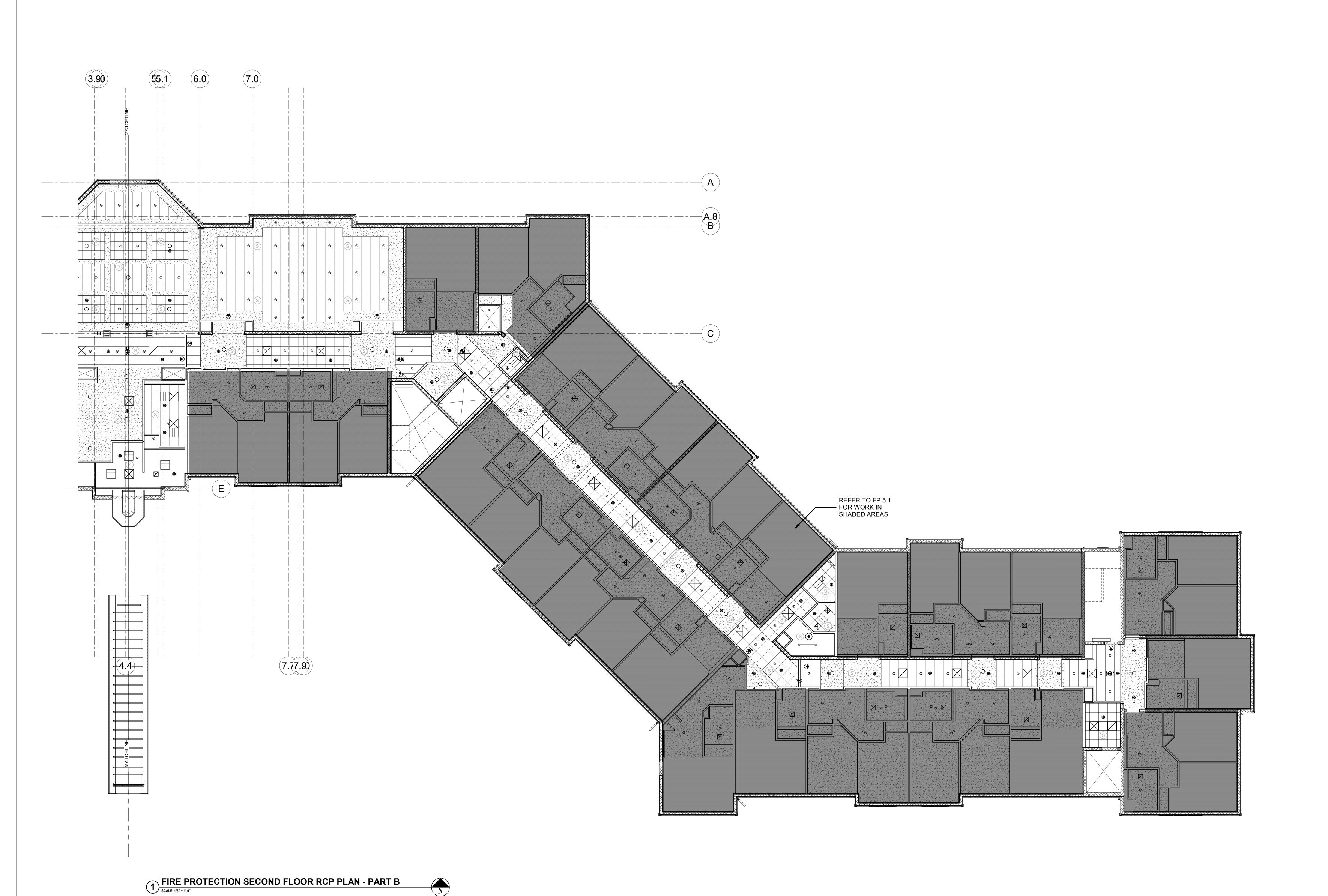
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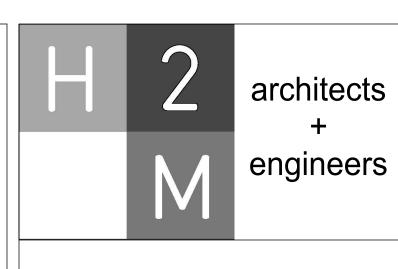
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FIRE PROTECTION
PARTIAL SECOND RCP
PLAN - AREA A

FP2.2A





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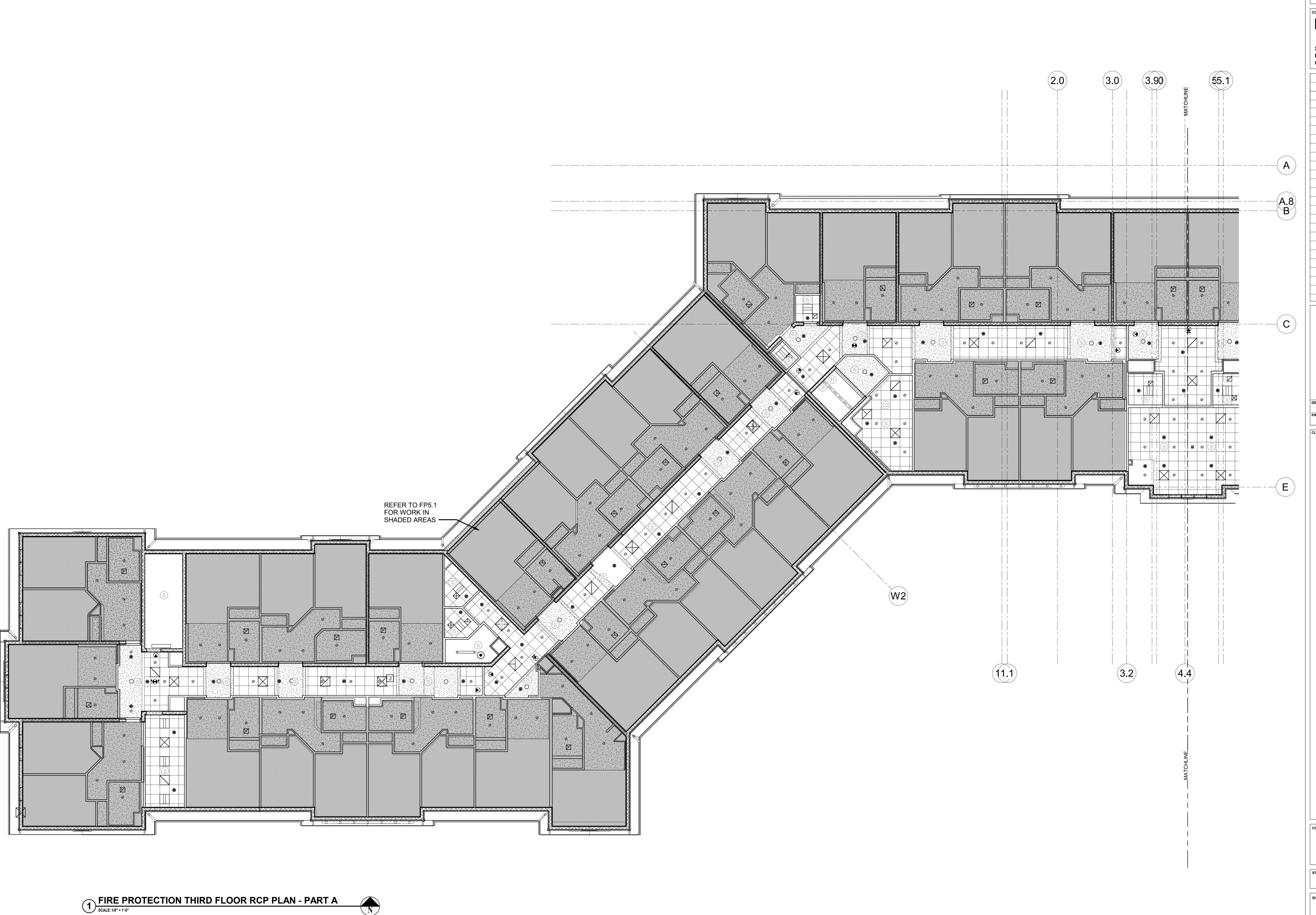
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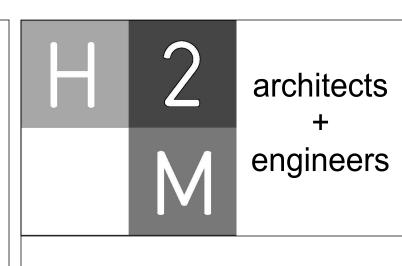
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FIRE PROTECTION PARTIAL SECOND RCP PLAN - AREA B

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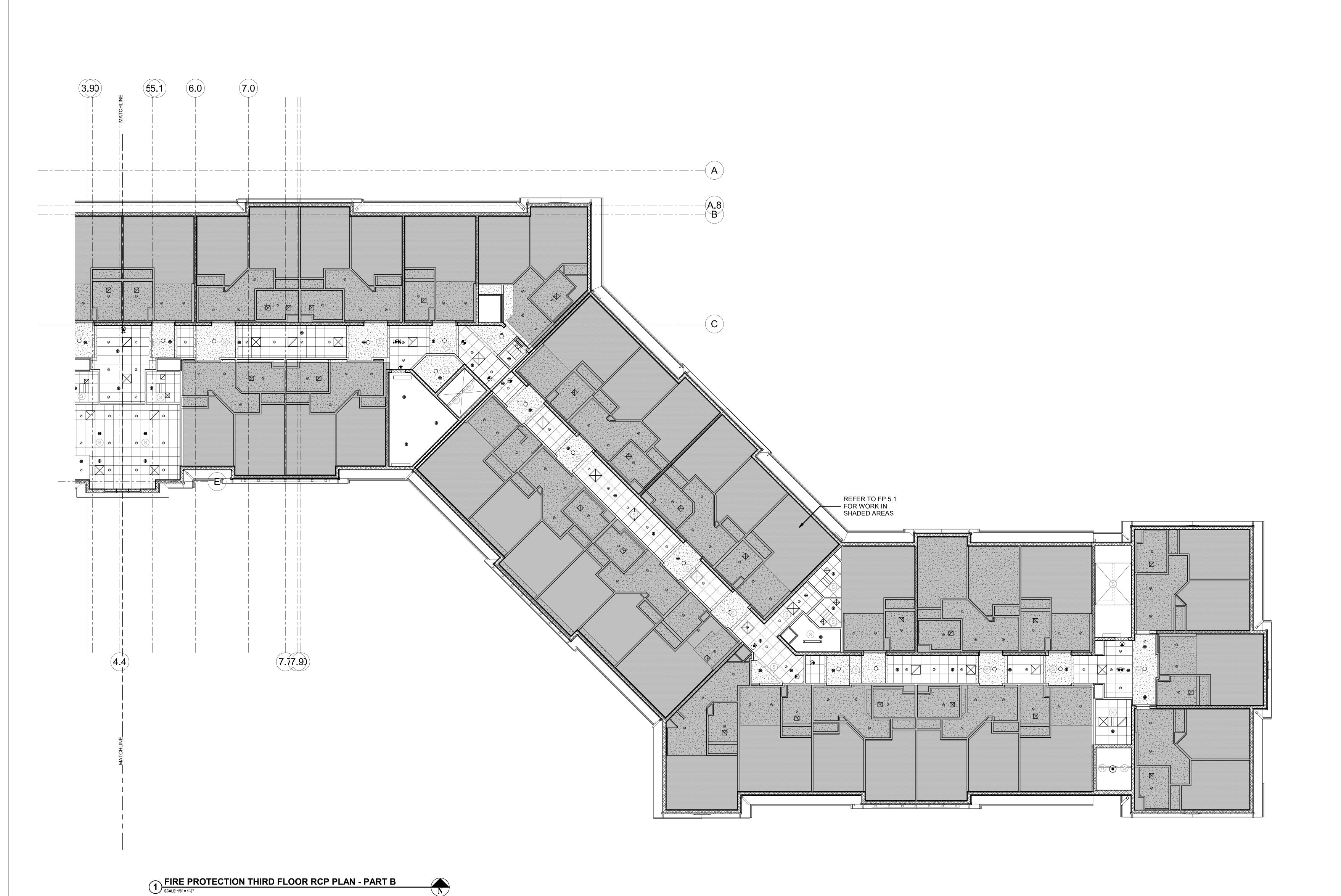
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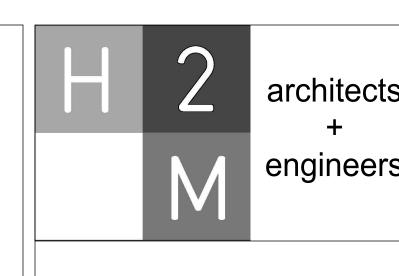
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ET TITLE FIRE

FIRE PROTECTION
PARTIAL THIRD RCP PLAN
- AREA A

FP2.3A





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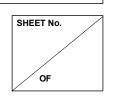
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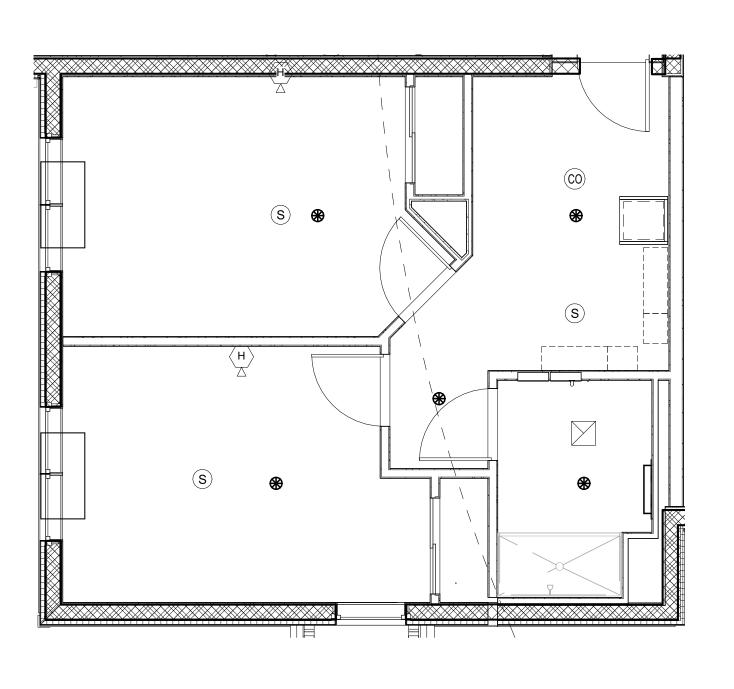
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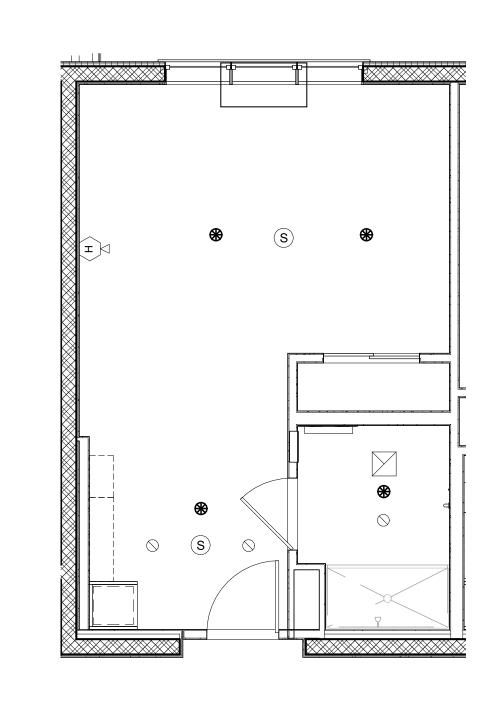
FIRE PROTECTION
PARTIAL THIRD RCP PLAN
- AREA B

FP2.3B

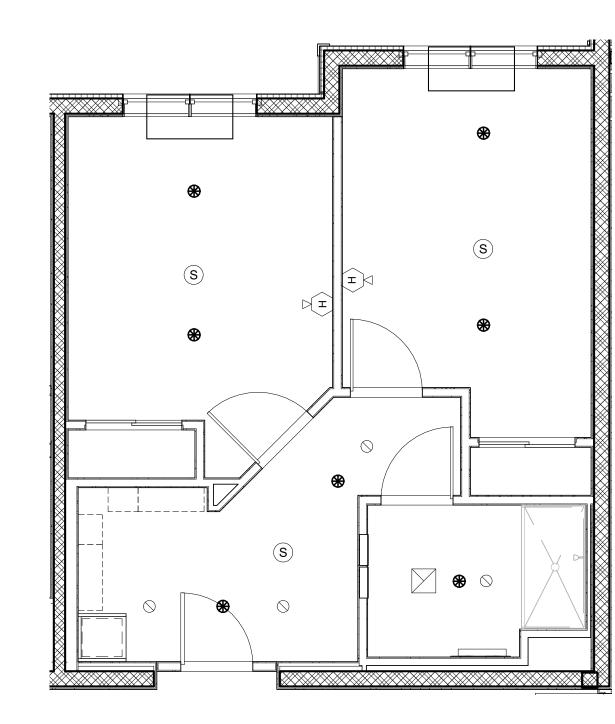




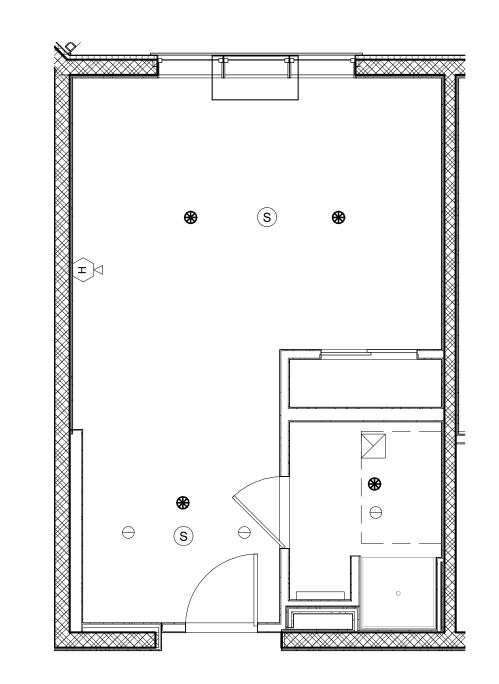




2 TYPICAL TYPE 2 - PRIVATE FIRE PROTECTION RCP PLAN
SCALE: 1/4" = 1'-0"

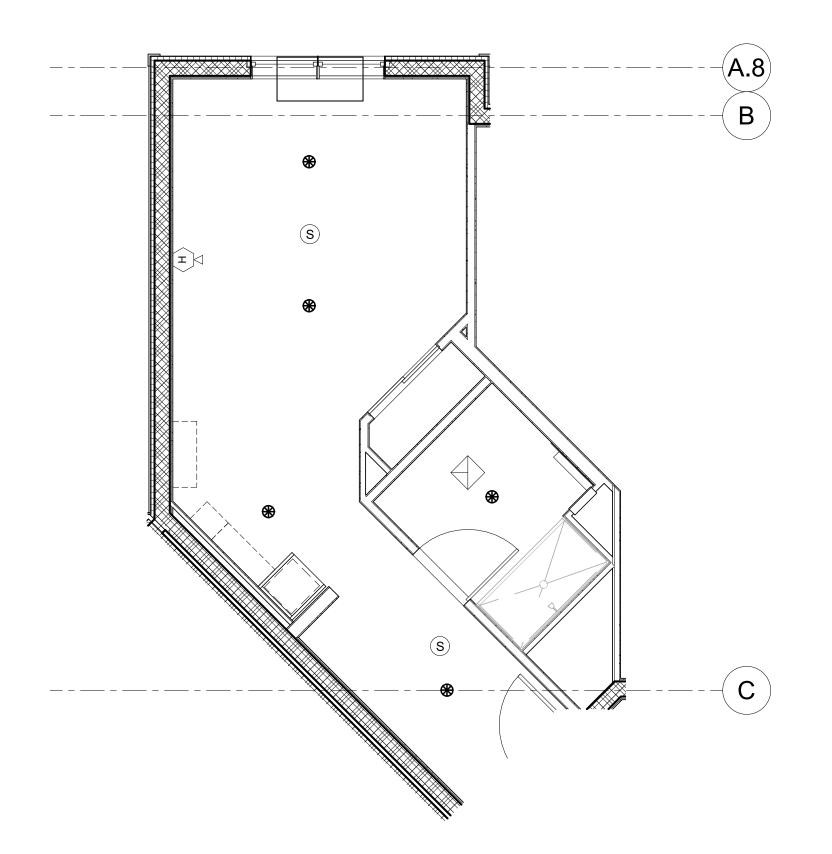


3 TYPICAL TYPE 3 AND 3A - SEMI-PRIVATE FIRE PROTECTION RCP PLAN SCALE: 1/4" = 1'-0"



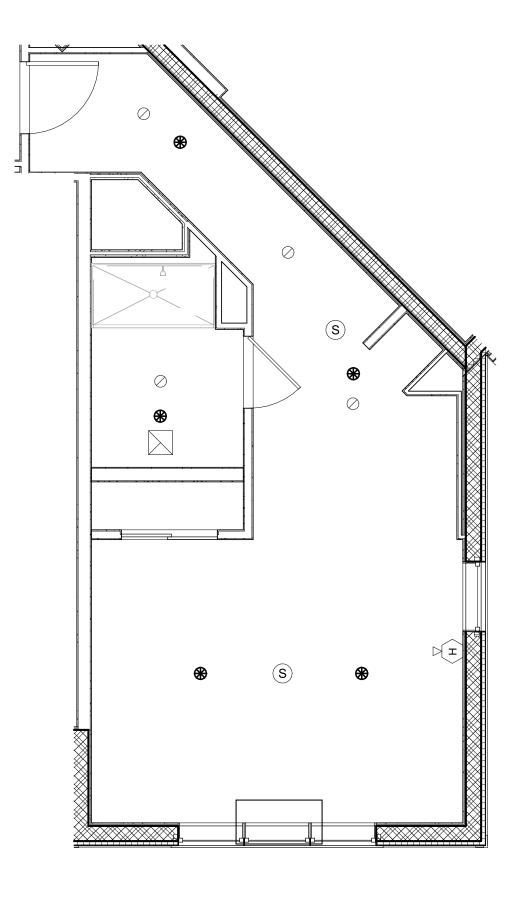
TYPICAL TYPE 4 - PRIVATE FIRE PROTECTION RCP PLAN

SCALE: 1/4" = 1'-0"

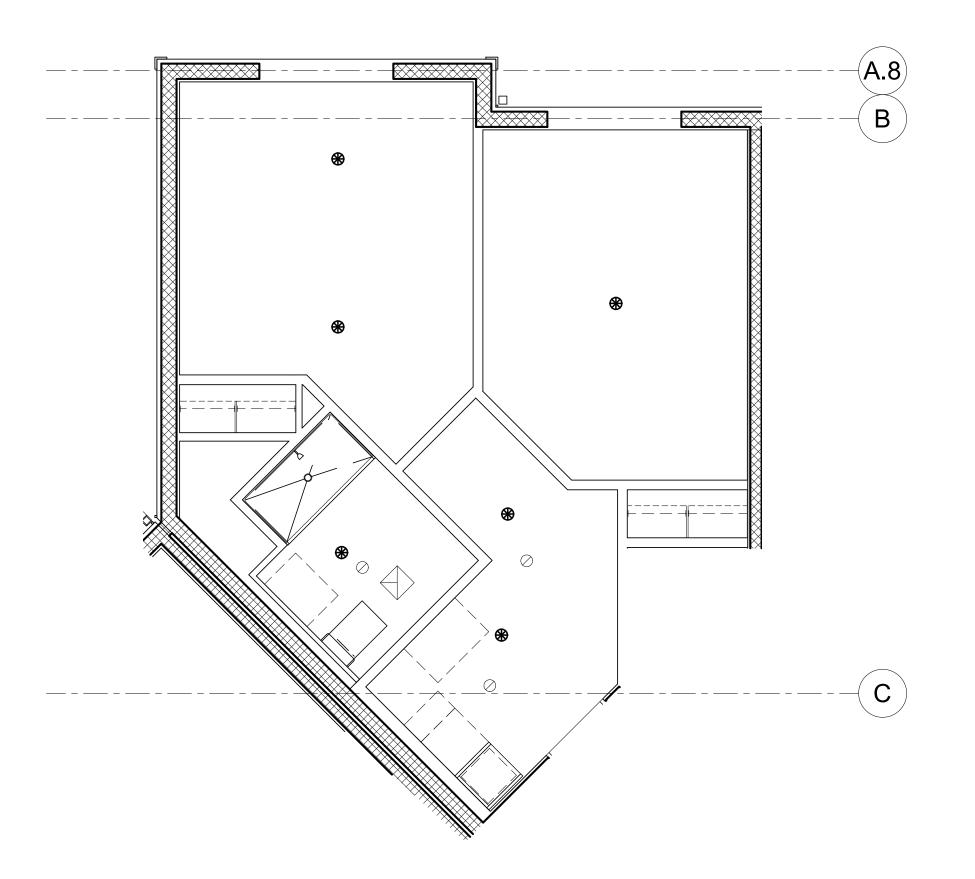


TYPICAL TYPE 5 - PRIVATE FIRE PROTECTION RCP PLAN

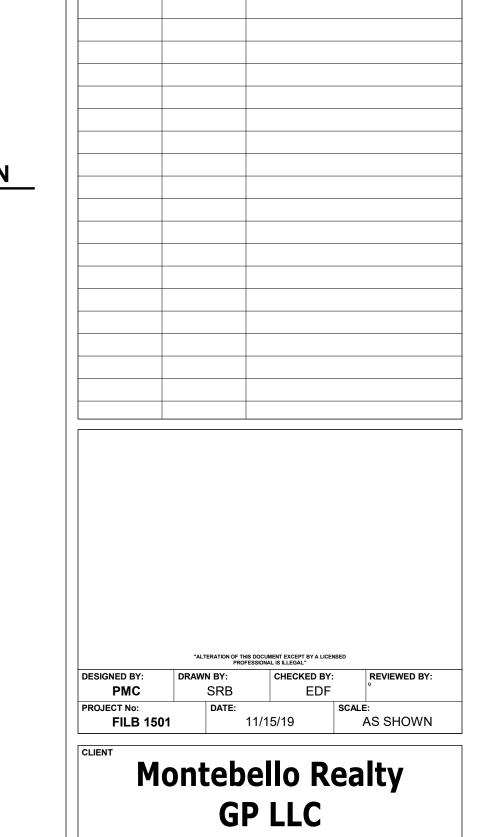
SCALE: 1/4" = 1'-0"



6 TYPICAL TYPE 6 - PRIVATE FIRE PROTECTION RCP PLAN
SCALE: 1/4" = 1'-0"



7 TYPICAL TYPE 7 - SEMI-PRIVATE FIRE PROTECTION RCP PLAN
SCALE: 1/4" = 1'-0"



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FIRE PROTECTION ENLARGED SUITE LAYOUT

FP5.1