

ANCORA PSYCHIATRIC HOSPITAL ANCORA, CAMDEN COUNTY, NJ

Fire Protection Upgrades

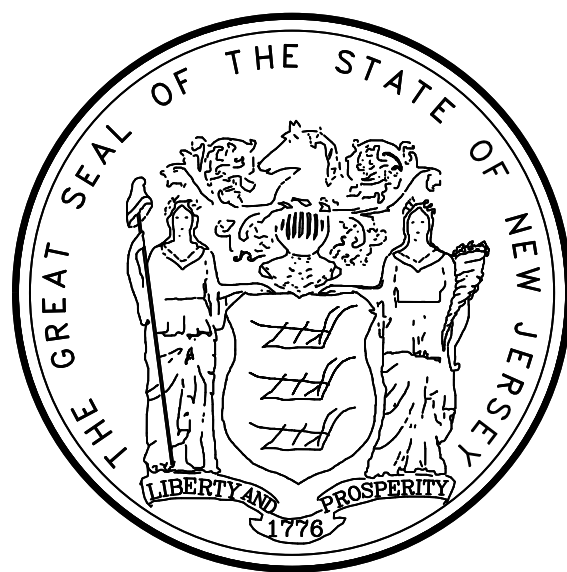
301 Spring Garden Rd, Hammonton, NJ 08037

for the STATE of NEW JERSEY
DEPARTMENT OF PROPERTY MANAGEMENT AND CONSTRUCTION
33 W State St, Trenton, NJ 08608

STATE OF NEW JERSEY
HONORABLE PHILIP D. MURPHY GOVERNOR
HONORABLE SHEILA Y. OLIVER, LIEUTENANT GOVERNOR

DEPARTMENT OF THE TREASURY
ELIZABETH MAHER MUOIO
STATE TREASURER

DIVISION OF PROPERTY MANAGEMENT
AND CONSTRUCTION
CHRISTOPHER CHIANESE, DIRECTOR



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WORK CLASSIFICATION IN ACCORDANCE WITH UCC
CHAPTER 23, SUBCHAPTER 6, REHABILITATION
SUBCODE (NJAC 5:23-6):
FIRE SPRINKLER INSTALLATION - ALTERATION

CODES:
1 NFPA 101 (2015)
2 NFPA 13 (2016)
3 NFPA 70 (2017) NJ EDITION
4 NFPA 72 (2013)
5 IBC (2015) NJ EDITION
BUILDING USE GROUP: I-2
CONSTRUCTION TYPE: IIA
6 NFPA 99 (2018)

BLOCK & LOT
1. BLOCK: 6801
2. LOT: 1

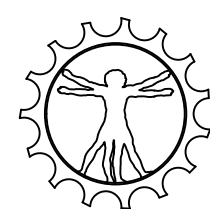
GENERAL NOTES

- REFER TO PROJECT MANUAL FOR ADDITIONAL INFORMATION AND SPECIFICATIONS IN ADDITION TO THESE SHEETS.
- ALL CONTRACTORS ARE RESPONSIBLE FOR REVIEWING ALL DOCUMENTS FOR EVERY DISCIPLINE INVOLVED IN THIS PROJECT AND SHALL COORDINATE THEIR WORK WITH OTHER TRADES.
- THE CONTRACT DRAWINGS ARE DIAGRAMMATIC AND ARE NOT INTENDED TO SHOW ALL DETAILS OF CONSTRUCTION, MOUNTING, ROUTING, PIPING, AND WIRING. COORDINATE EXACT INSTALLATION LOCATIONS OF EQUIPMENT AND DEVICES AND ALL DETAILS OF WORK WITH OTHER TRADES TO ACHIEVE A COMPLETE, FUNCTIONAL INSTALLATION.
- IF THE SPRINKLER CONTRACTOR PREPARES SHOP DRAWINGS THAT DIFFER IN DESIGN FROM THOSE SUPPLIED BY THE CONSULTANT, THEY SHALL SUBMIT THEM, THROUGH THE CONSULTANT, TO THE DPMC PLAN & CODE REVIEW UNIT FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION OF THE SYSTEM.
- THE FIRE SPRINKLER SYSTEMS ARE INSTALLED AS REQUIRED BY N.J.A.C. 5:70-4.7 "WINDOWLESS BASEMENT SYSTEM"

NJDPMC PROJECT #M1524-00

Engr: Frank A. Vinciguerra PE
NJ Lic: 33304 MD Lic: 30011
PA Lic: 35356-E NY Lic: 080246-1
Seal
Date: 6/16/2020

Quality
Engineered
By:




THE
DA VINCI
GROUP, LLC

ROCK SOLID ENGINEERING


72 EAST CENTRE STREET
WOODBURY, NJ 08096

EMAIL: THEDAVINCIGROUP@COMCAST.NET
856 848-7995 856 848-7903 FAX

—	6/16/20	PERMIT SET	ddf	FAV	
REV.	DATE	DESCRIPTION	BY	CHK	
 <div>STATE OF NEW JERSEY HONORABLE PHILIP D. MURPHY, GOVERNOR HONORABLE SHIELA Y. OLIVER, DEPUTY GOVERNOR DEPARTMENT OF THE TREASURY ELIZABETH MANDER MOORE STATE TREASURER DIVISION OF PROPERTY MANAGEMENT AND CONSTRUCTION CHRISTOPHER CHAMSENE, DIRECTOR</div>		STATE OF NEW JERSEY DEPARTMENT OF THE TREASURY DIVISION OF PROPERTY MANAGEMENT AND CONSTRUCTION			
		PROJECT	ANCORA PSYCHIATRIC HOSPITAL ANCORA, CAMDEN COUNTY, NJ FIRE PROTECTION UPGRADES		COMM. NO. M1524-00
				DATE AUGUST 25, 2019	
		TITLE OF DWG.	COVER SHEET		DWG. NO. G-1
		DWN. RGV	OK. FAV	SCALE AS NOTED	PROJ. A/E 19046

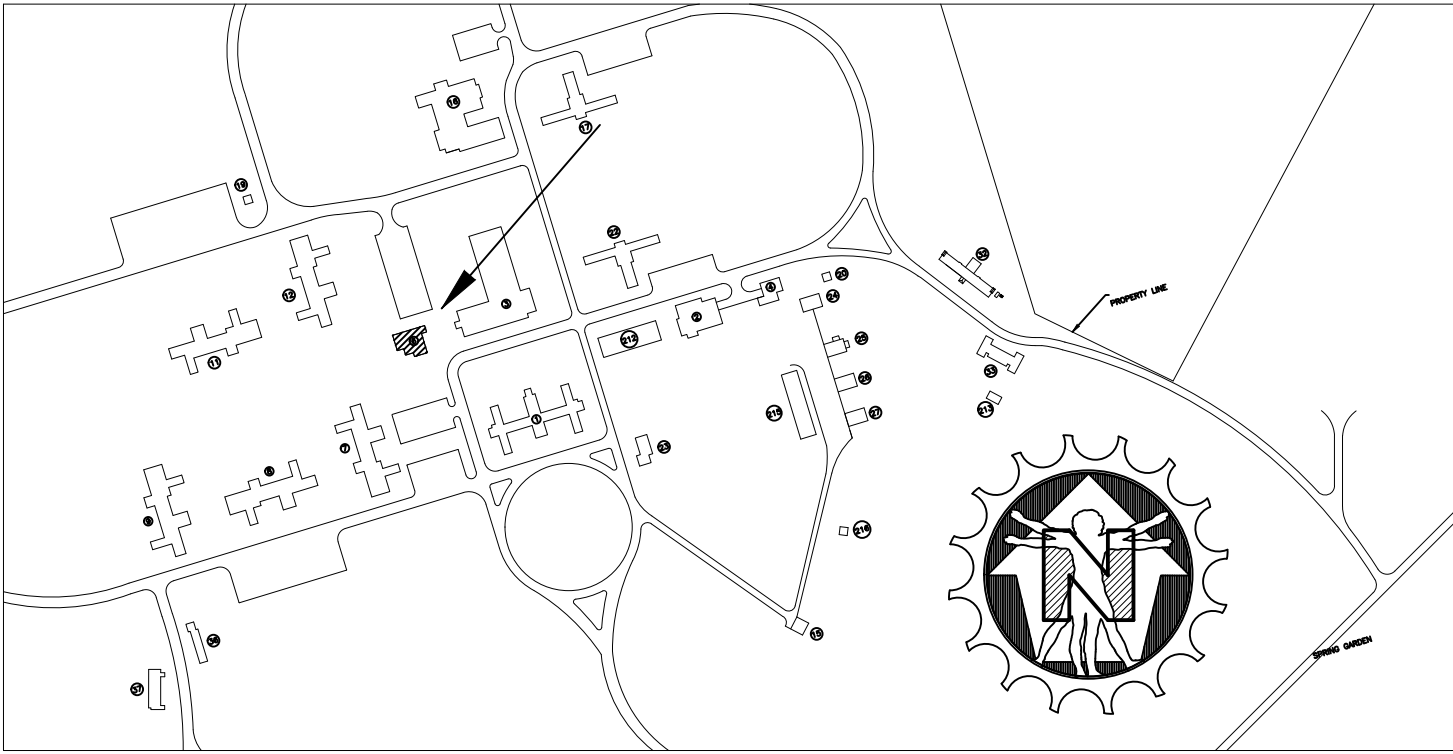
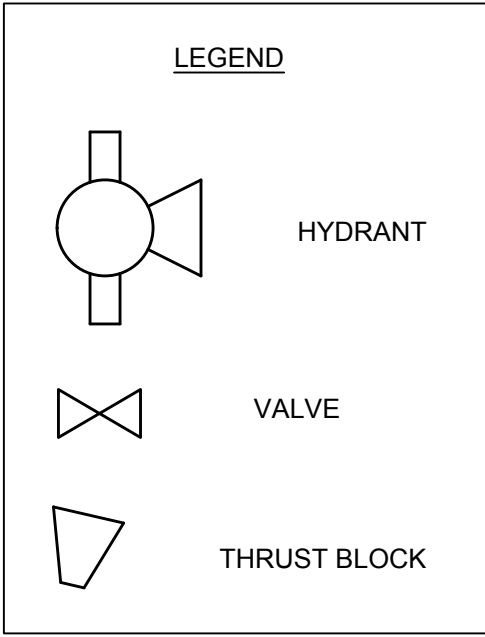
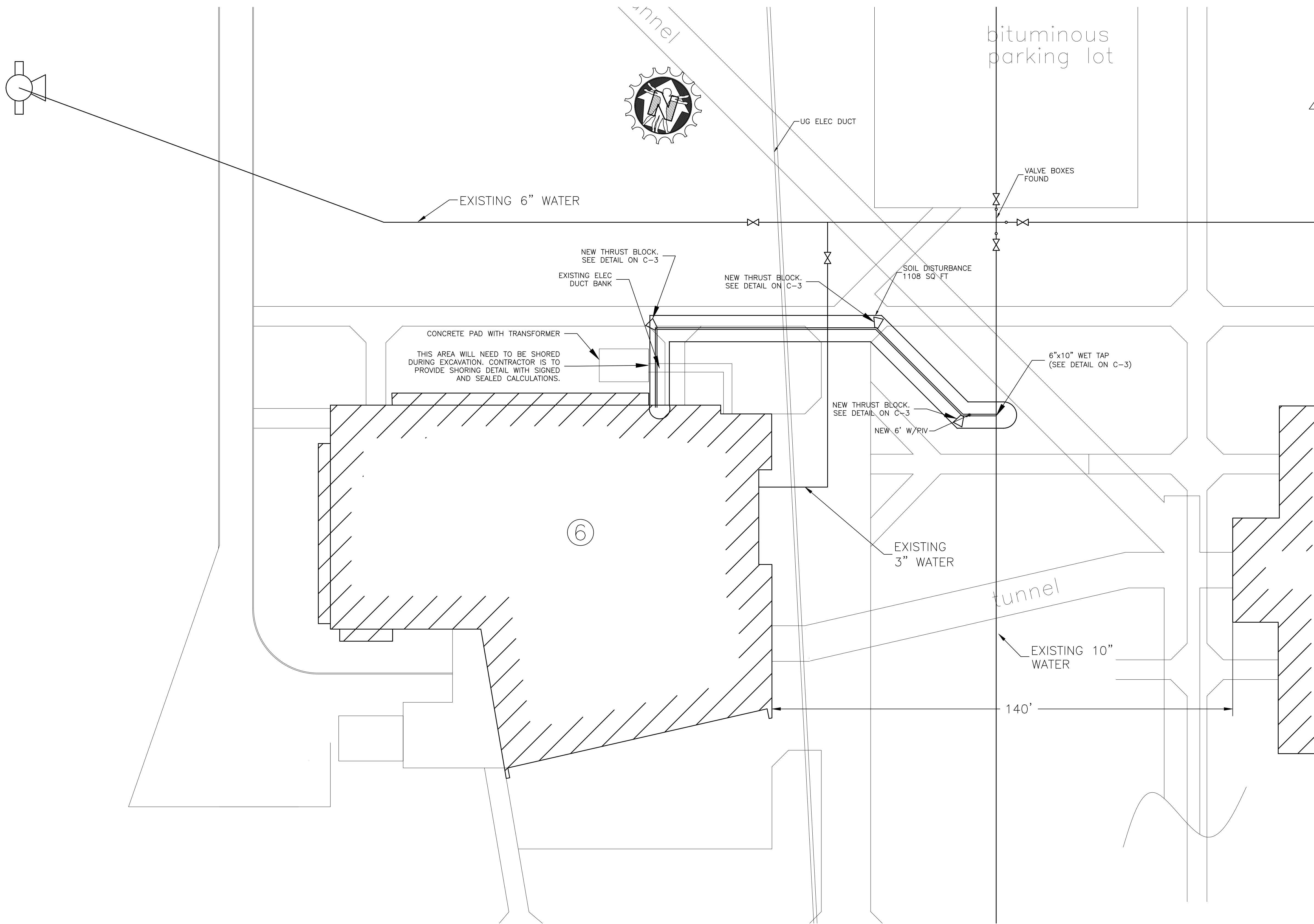


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KEY PLAN BLDG 6

1 BLDG. 6 - SITE PLAN
C-1 SCALE: 1/16" IN = 1 FT

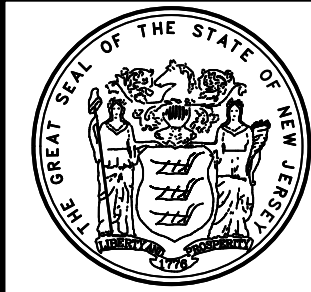
Engr: Frank A. Vinciguerra PE
NJ Lic: 33304 MD Lic: 30011
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Sign: *Frank A. Vinciguerra*
Date: 6/16/2020

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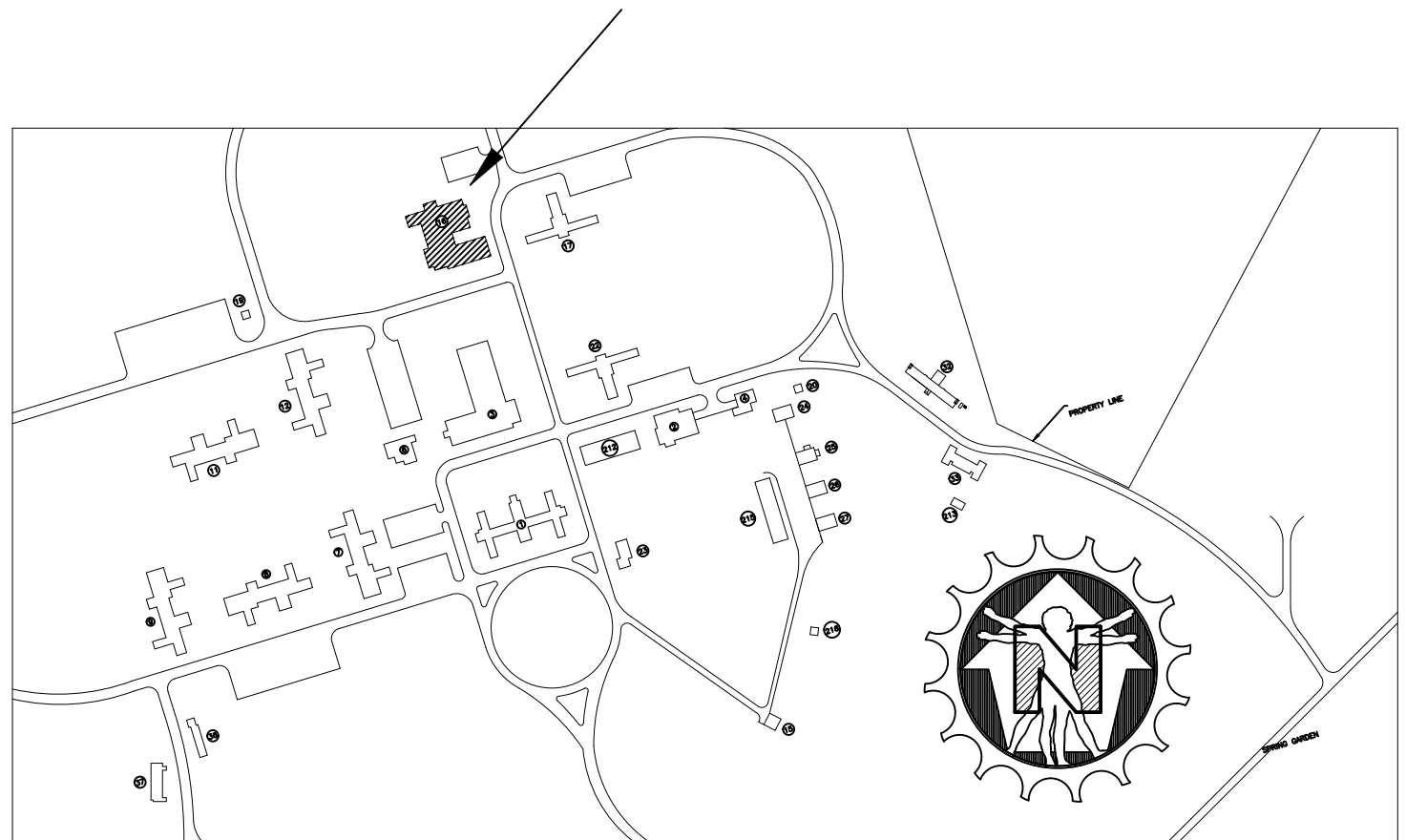
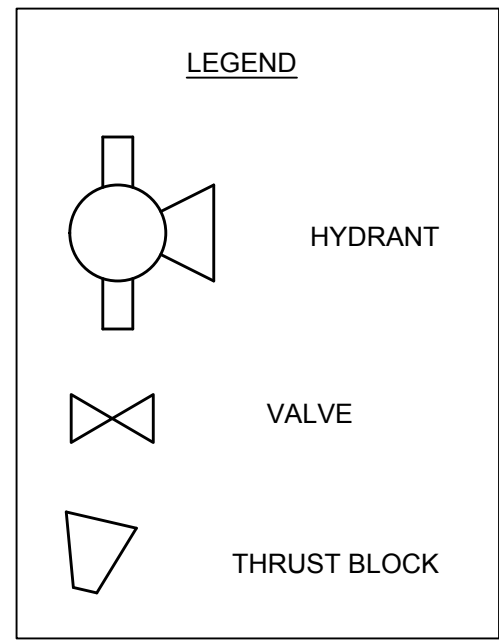
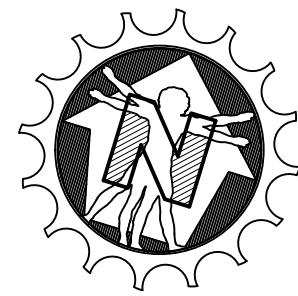
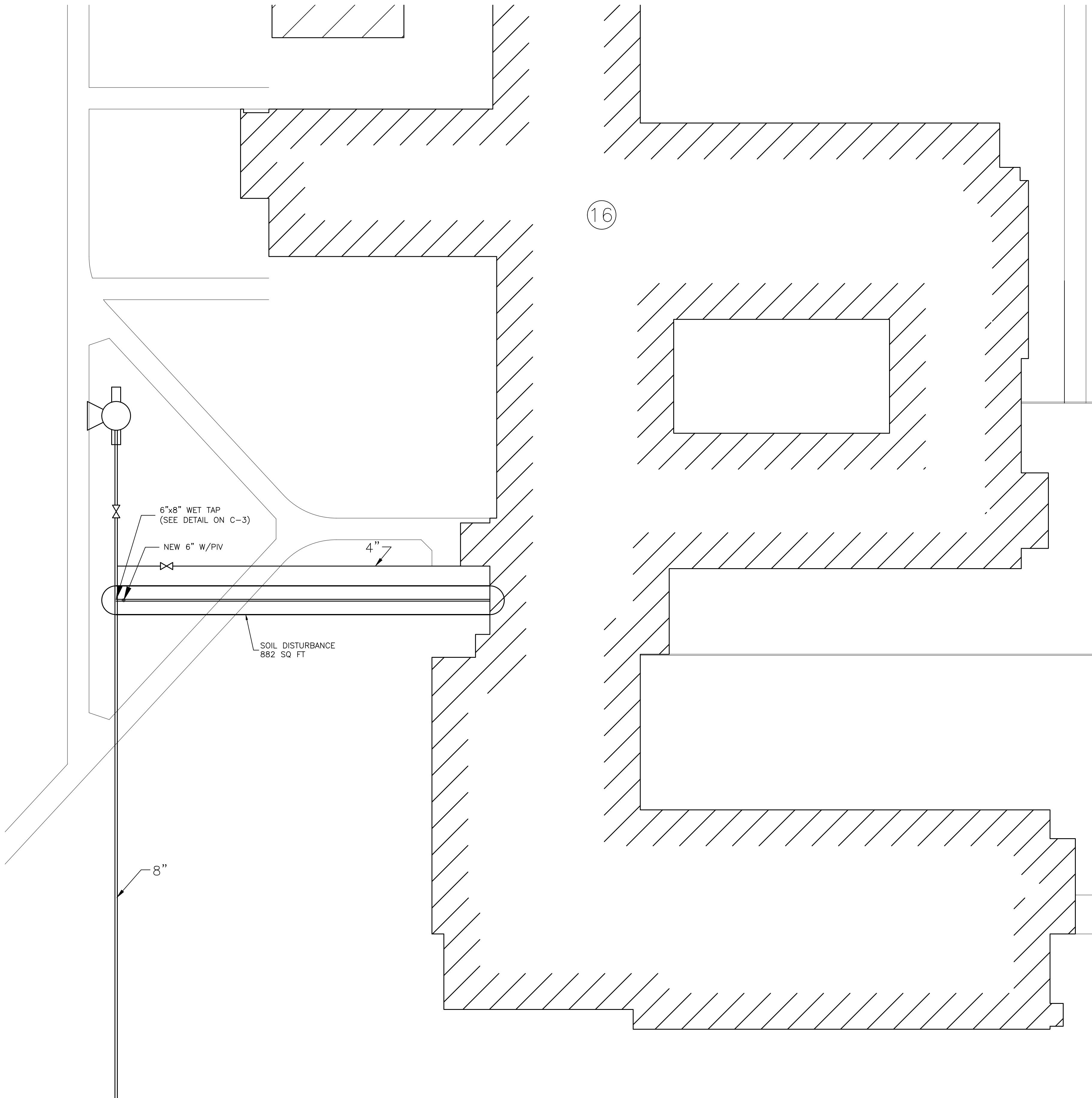
PROJECT
ANCORA PSYCHIATRIC HOSPITAL
ANCORA, CAMDEN COUNTY, NJ
FIRE PROTECTION
UPGRADES

COMM. NO.
M1524-00
DATE
AUGUST 25, 2019

TITLE OF DWG.
BLDG. 6 SITE PLAN

DWG. NO.
C-1

DWN. RGV	OK FAV	SCALE AS NOTED	PROJ. A/E 19046	REV. 5
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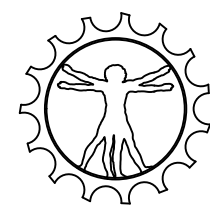
KEY PLAN BLDG 16

1 BLDG. 16 — SITE PLAN
C-2 SCALE: 1/16 IN = 1 FT

Engr: Frank A. Vinciguerra PE
NJ Lic: 33304 MD Lic: 30011
PA Lic: 35356-E NY Lic: 080246-1
Seal

Sign: *Frank A. Vinciguerra*
Date: 6/16/2020

Quality
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PROJECT
ANCORA PSYCHIATRIC HOSPITAL
ANCORA, CAMDEN COUNTY, NJ
FIRE PROTECTION
UPGRADES

COMM. NO.
M1524-00

DATE
AUGUST 25, 2019

TITLE OF DWG.
BLDG. 16 SITE PLAN

DWG. NO.
C-2

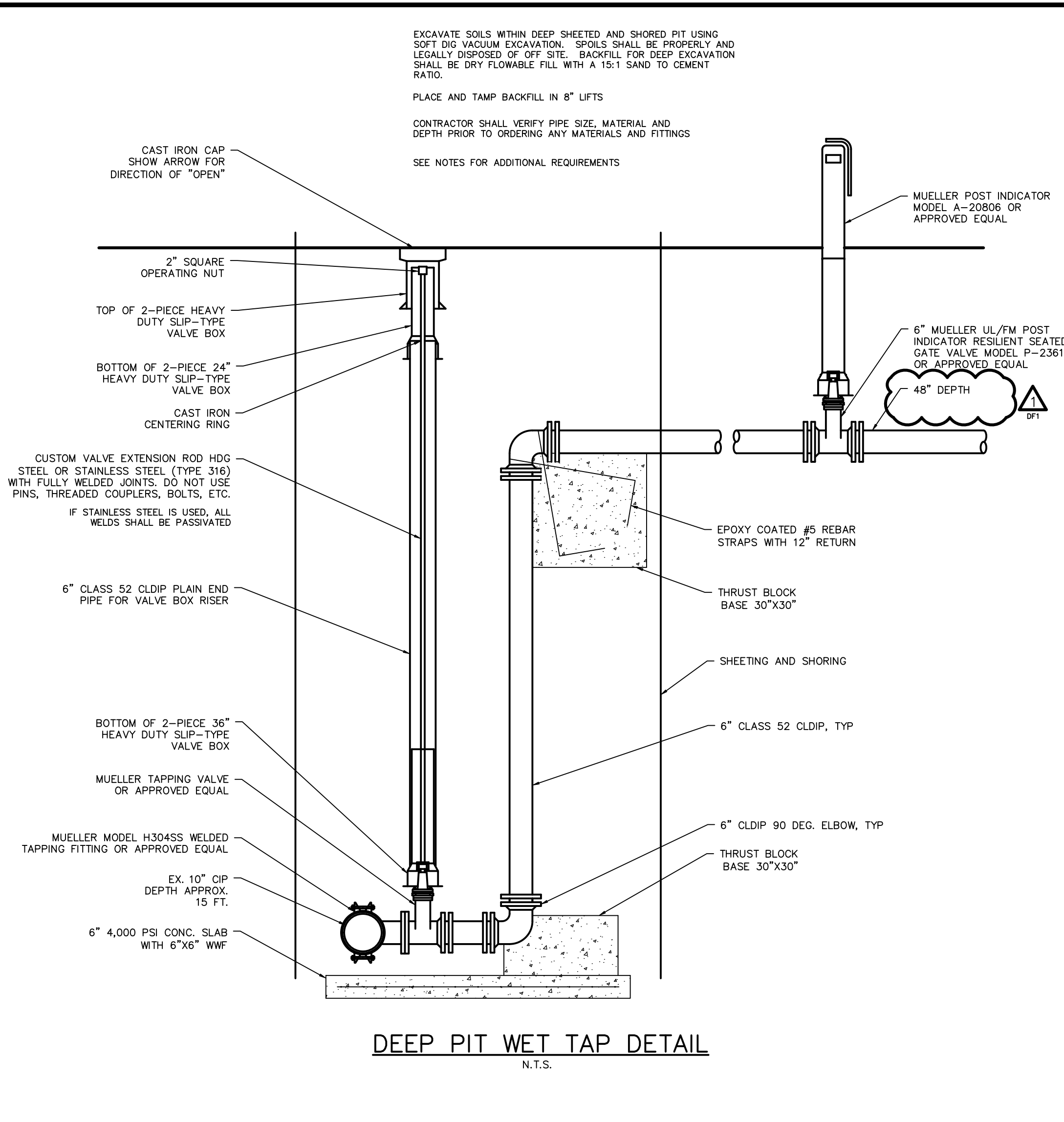
DWN.
RGV

OK.
FAV

SCALE
AS NOTED

PROJ. A/E
19046

REV.
5

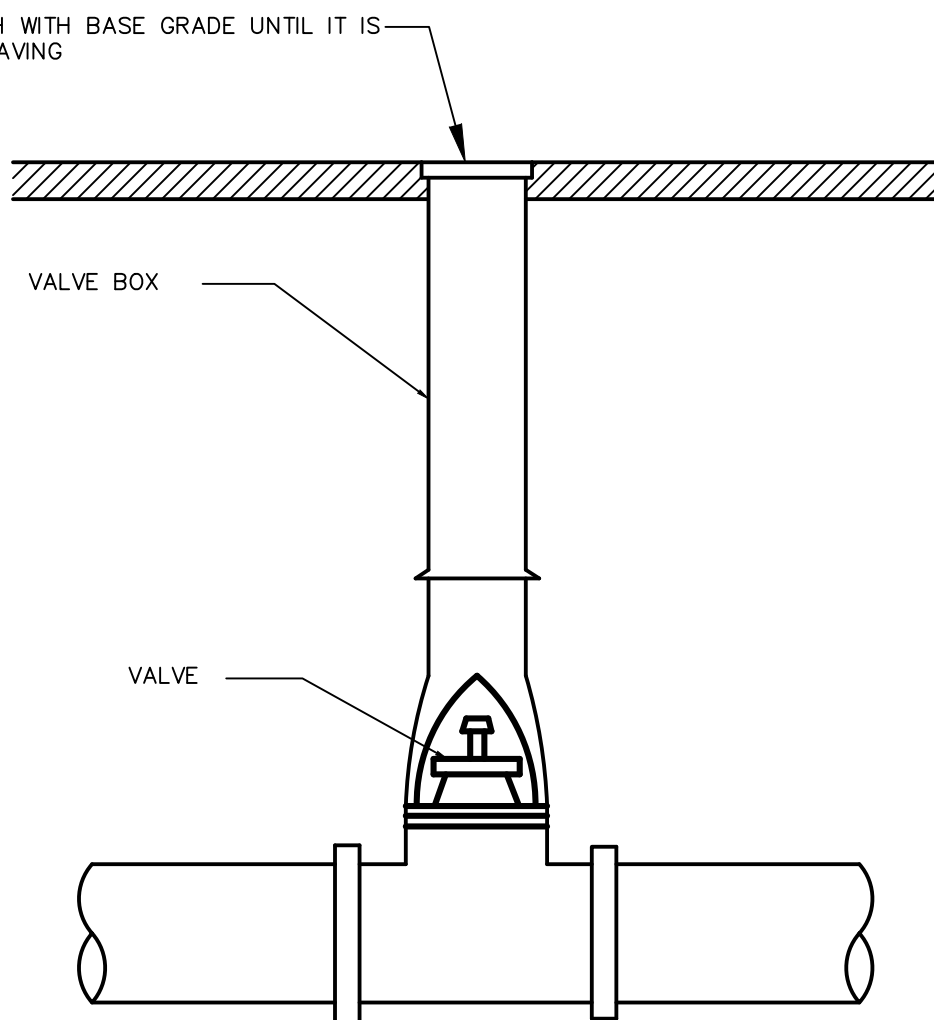


NOTES

1. RESILIENT SEATED GATE VALVE TO OPEN LEFT AND HAVE A NON-RISING STEM, MECHANICAL JOINT ENDS, 200-lb WORKING PRESSURE, 400-lb TEST PRESSURE, DUCK TIPPED RUBBER GASKET AND SCREW SETS IN GLAND FOR BONDING (MUELLER A2361).
2. VALVE BOX TO BE ADJUSTABLE, 2 PIECE CAST IRON, SLIDING TYPE 5 1/2" DIA. BY BINGHAM & TAYLOR MODEL 4908, TYLER UNION, OR APPROVED EQUAL.
3. RISERS MAY BE PERMITTED FOR ADJUSTMENT OF FINAL GRADE OF VALVE BOXES PER ENGINEERS APPROVAL. NOTE: RISERS MUST BE TACK WELDED AT (4 LOCATIONS) TO THE VALVE BOX.
4. VALVE BOX MUST BE PLUMB AND CLEANED OF ALL DEBRIS. THE SHUT-OFF NUT MUST BE CENTERED WITHIN THE BOX AND HAVE 1" CLEARANCE BETWEEN THE INSIDE OF THE BOX AND THE VALVE WRENCH.
5. VALVE BOX LID TO HAVE THE WORD "WATER" CAST IN, AND AN ARROW SHOWING THE OPENING DIRECTION AND THE WORD "OPEN" CLEARLY CAST THEREON.

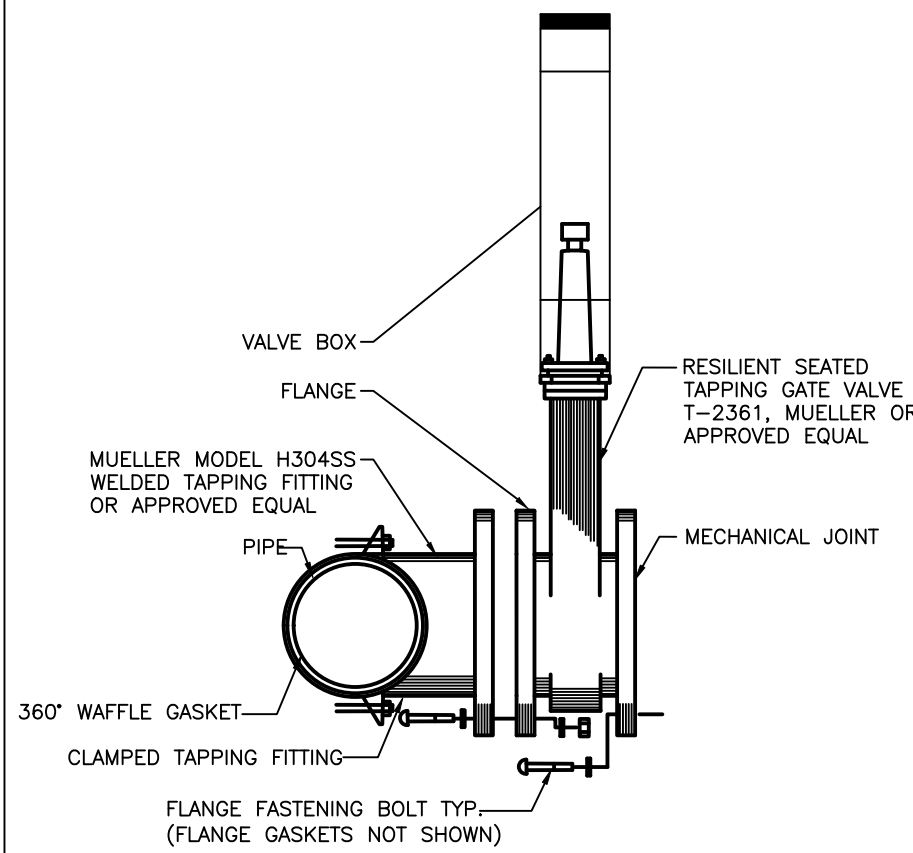
GATE VALVE & VALVE BOX DETAIL

N.T.S.



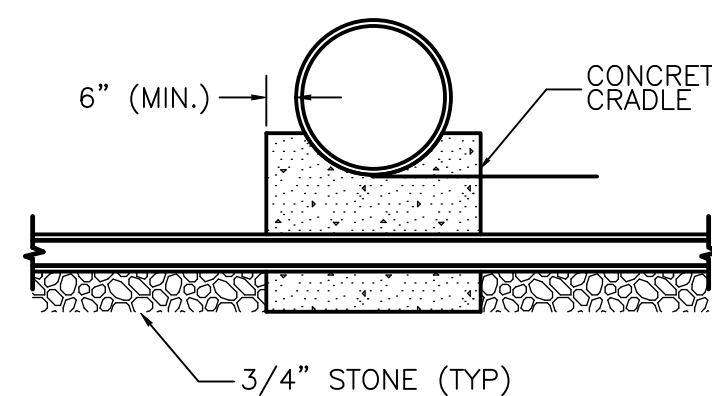
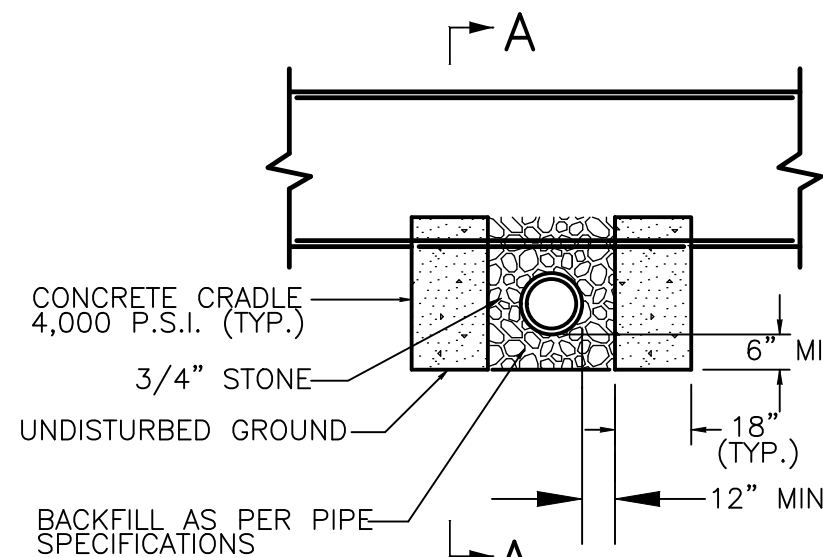
SPECIFICATIONS

1. CONTRACTOR SHALL WET-TAP THE EXISTING 10" CAST IRON PIPE WATER MAIN USING A 6"x10" MUELLER H-304 STAINLESS STEEL TAPPING SLEEVE WITH A WAFFLE GASKET AND A 6" MUELLER UL/FM RESILIENT WEDGE GATE TAPPING VALVE MUXFL MODEL T-2362 OR APPROVED EQUAL.
2. CONTRACTOR SHALL WET-TAP THE EXISTING 8" CAST IRON PIPE WATER MAIN USING A 6"x8" MUELLER H-304 STAINLESS STEEL TAPPING SLEEVE WITH A WAFFLE GASKET AND A 6" MUELLER UL/FM RESILIENT WEDGE GATE TAPPING VALVE MUXFL MODEL T-2362 OR APPROVED EQUAL.
3. PIPE SHALL BE AWWA CLASS 52 CEMENT LINED DUCTILE IRON PIPE.
4. THE TAPPING LOCATION IS ESTIMATED TO BE APPROXIMATELY 15 FT +/- DEEP. THE EXISTING MAIN SHALL BE TAPPED IN THE HORIZONTAL AND THEN THE SERVICE SHALL BE TURNED VERTICALLY IMMEDIATELY AFTER THE TAP AND BROUGHT TO TYPICAL TRENCH ELEVATION (CROWN OF PIPE SHALL BE AT 48" DEPTH). THE TAPPING VALVE, SHALL BE INSTALLED WITH A VALVE BOX AND VALVE NUT EXTENSION FOR FUTURE OPERATION WITH A STANDARD TEE WRENCH. A MUELLER UL/FM WEDGE GATE VALVE POST INDICATOR MODEL MUXMJ SHALL BE INSTALLED IMMEDIATELY UPON BRINGING THE PIPE TO HORIZONTAL FOLLOWING THE VERTICAL RISE.
5. ALL PIPE FITTINGS AND VALVES SHALL UTILIZE MECHANICAL JOINTS. ALL PIPING MECHANICAL JOINTS (FITTINGS AND STRAIGHT PIPE) FROM THE TAP TO THE BUILDING SHALL BE RESTRAINED WITH BOTH THRUST BLOCKS AND MEGALUG 1100 SERIES RESTRAINTS OR APPROVED EQUAL. PUSH-ON JOINT PIPE SHALL BE RESTRAINED WITH MEGALUG SERIES 1700 RESTRAINTS OR APPROVED EQUAL AT EVERY JOINT. NO JOINT SHALL BE UNRESTRAINED.
6. THE EXCAVATION SHALL BE SHEETED AND SHORED ON ALL FOUR SIDES FOR THE FULL DEPTH OF THE EXCAVATION. THE CONTRACTOR SHALL PROVIDE THE ENGINEERING DESIGN FOR THE SHEETING AND SHORING SIGNED AND SEALED BY A NJ LICENSED PROFESSIONAL ENGINEER.
7. THE TAPPING EXCAVATION SHALL BE MADE USING VACUUM EXCAVATION METHODS IN ORDER TO LIMIT THE DISTURBANCE AND TO MITIGATE ANY POTENTIAL DISTURBANCE TO ADJACENT UNDERGROUND FACILITIES, WHICH INCLUDE OTHER UTILITIES, ELECTRICAL DUCT BANKS, AND TWO ACCESS TUNNELS BETWEEN NEARBY BUILDINGS.
8. BACKFILL FOR THE TAPPING EXCAVATION SHALL BE DRY FLOWABLE FILL (15:1 SAND TO CEMENT RATIO).
9. EXCAVATED MATERIAL MAY BE USED FOR BACKFILL OF THE TRENCH BEYOND THE TAPPING EXCAVATION IF DEEMED SUITABLE BY THE ENGINEER. IF EXCAVATED SOILS ARE POOR AND, IN THE JUDGEMENT OF THE ENGINEER, CANNOT BE USED FOR BACKFILL, 1-5 MATERIAL SHALL BE USED FOR BACKFILL OF THE TRENCH.
10. EXISTING CONCRETE SIDEWALK AND PADS SHALL BE SAW CUT AND RESTORED IN KIND WITH 4,500 PSI AIR ENTRAINED CONCRETE.
11. PIPE SHALL BE FLUSHED, PURGED OF AIR, AND HYDROSTATICALLY PRESSURE TESTED AT 1.5X THE STANDARD OPERATING PRESSURE OR 150 PSI, WHICHEVER IS GREATER, FOR A PERIOD OF 2 HOURS WITHOUT A DROP IN PRESSURE. IF THERE ARE ANY VISIBLE LEAKS OR DROP IN PRESSURE, THE PROBLEM SHALL BE CORRECTED AND PIPE RETESTED. ALL TESTS SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER OR HIS REPRESENTATIVE. WRITTEN RESULTS OF THE PRESSURE TESTING SHALL BE PROVIDED TO THE ENGINEER.
12. THE NEW PIPE SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA 651 PRIOR TO OPENING THE VALVE TO THE EXISTING DISTRIBUTION SYSTEM. THE RESULTS OF THE DISINFECTION TESTING SHALL BE PROVIDED TO THE ENGINEER.
13. CONTRACTOR SHALL PROVIDE ENGINEER WITH INFORMATION FROM TEST PITS A MINIMUM OF 2 WEEKS PRIOR TO THE START OF CONSTRUCTION.
14. POST INDICATOR VALVES (PIV) ARE TO BE INSTALLED WITH CONDUIT AND TAMPER SWITCHES. PIV MANUFACTURER IS TO PROVIDE SWITCH.
15. CONTRACTOR SHALL PERFORM SOFT DIG/VACUUM EXCAVATION TEST PITS AT ALL PROPOSED DUCT BANK AND UTILITY CROSSINGS TO DETERMINE THE LOCATION, DEPTH, AND MATERIAL OF EXISTING PIPES, UTILITIES, AND BELOW GRADE FACILITIES. EXISTING FACILITIES SHALL BE PROTECTED AND SUPPORTED. USE CONCRETE CRADLES AND ENCASEMENTS WHERE REQUIRED (SEE DETAIL).
16. PROVIDE TEMPORARY CHAIN LINK FENCING AROUND SITE DURING CONSTRUCTION.



NOTES:

1. TRENCH SIDES MAY BE SLOPED AND/OR TRENCH WIDTH MAY BE INCREASED FROM A POINT 1'-0" ABOVE PIPE IN ACCORDANCE WITH SPECIFICATIONS.
2. TRENCH EXCAVATION SHALL ADHERE TO O.S.H.A. STANDARDS & REQUIREMENTS.
3. ALL CRUSHED STONE BACKFILL MATERIAL SHALL BE WELL GRADED TO LIMIT THE SIZE OF VOIDS IN THE COMPACTED PIPE BEDDING.
4. PRECAUTIONS SHALL BE TAKEN TO INSURE SUFFICIENT MATERIAL IS PLACED UNDER THE PIPE HAUNCH (AREA BETWEEN THE BOTTOM AND SPRINGLINE OF PIPE) TO PROVIDE ADEQUATE SIDE SUPPORT. TAKE PRECAUTIONS TO PREVENT MOVEMENT OF THE PIPE DURING THE PLACEMENT OF THE MATERIAL IN THIS AREA.



NOTES:

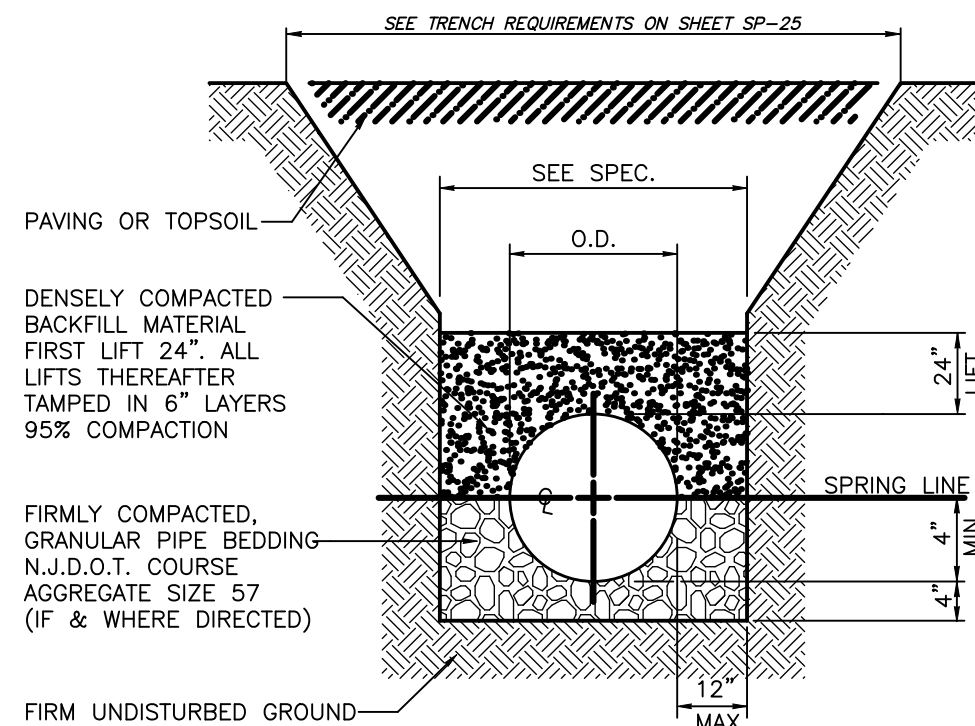
1. CONCRETE CRADLE TO BE PROVIDED WHEN AND WHERE DIRECTED ON PLANS OR BY MUNICIPAL FIELD REPRESENTATIVE.
2. CRADLES OR ENCASEMENTS ARE REQUIRED WHEN LESS THAN 18" VERTICAL SEPARATION BETWEEN OUTSIDE WALLS OF CROSSING PIPES. PLACE AS DIRECTED BY THE MUNICIPAL FIELD REPRESENTATIVE.

CONCRETE ENCASEMENT

N.T.S.

NOTES:

1. TRENCH SIDES MAY BE SLOPED AND/OR TRENCH WIDTH MAY BE INCREASED FROM A POINT 1'-0" ABOVE PIPE IN ACCORDANCE WITH SPECIFICATIONS.
2. ALL STONE OR ROCK FRAGMENT LARGER THAN 2" SHALL BE REMOVED FROM THE BACKFILL MATERIAL.

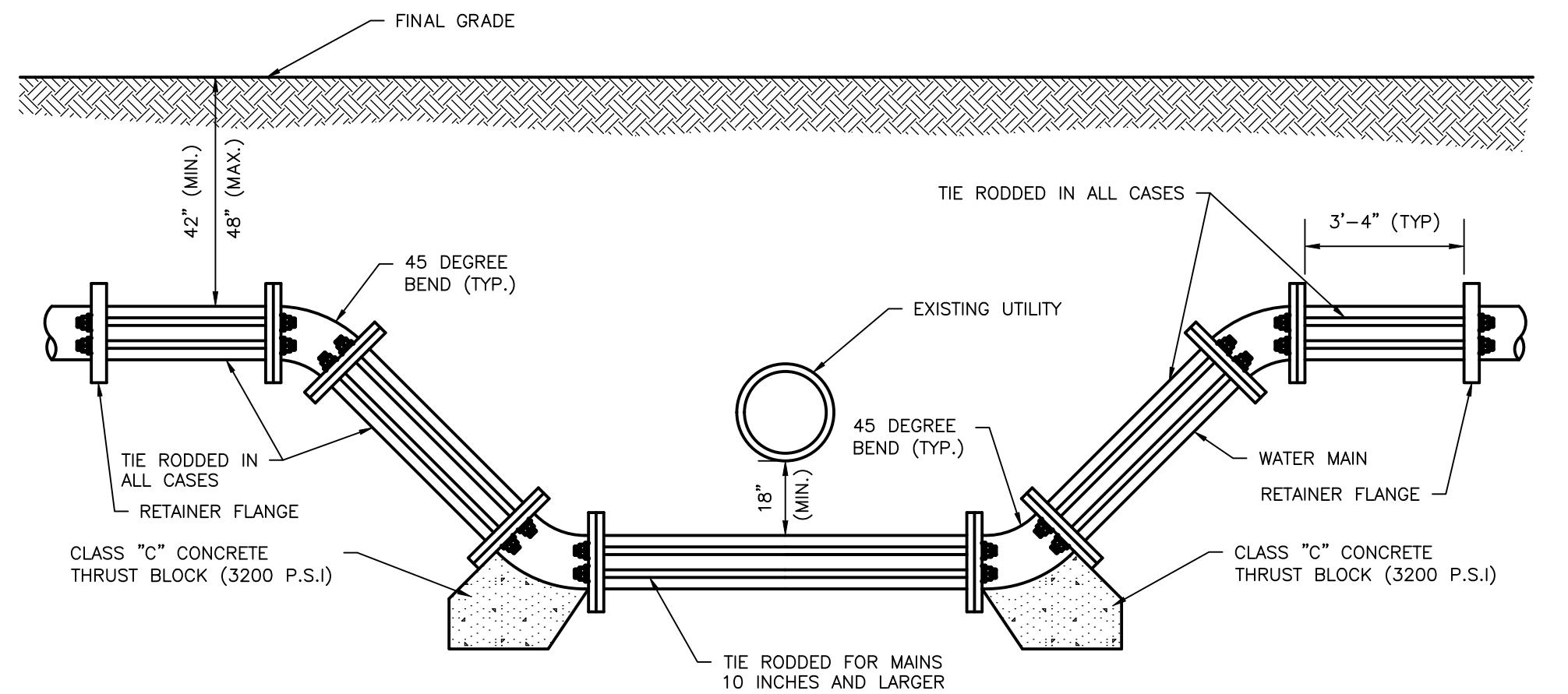
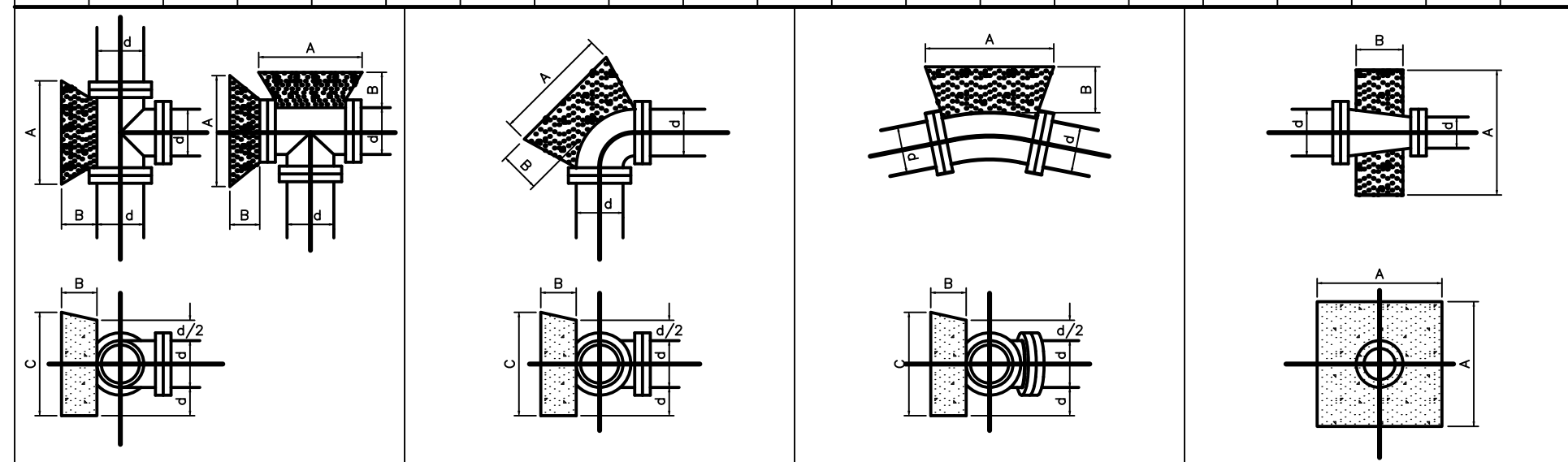


WATERMAIN PIPE TRENCH DETAIL

N.T.S.

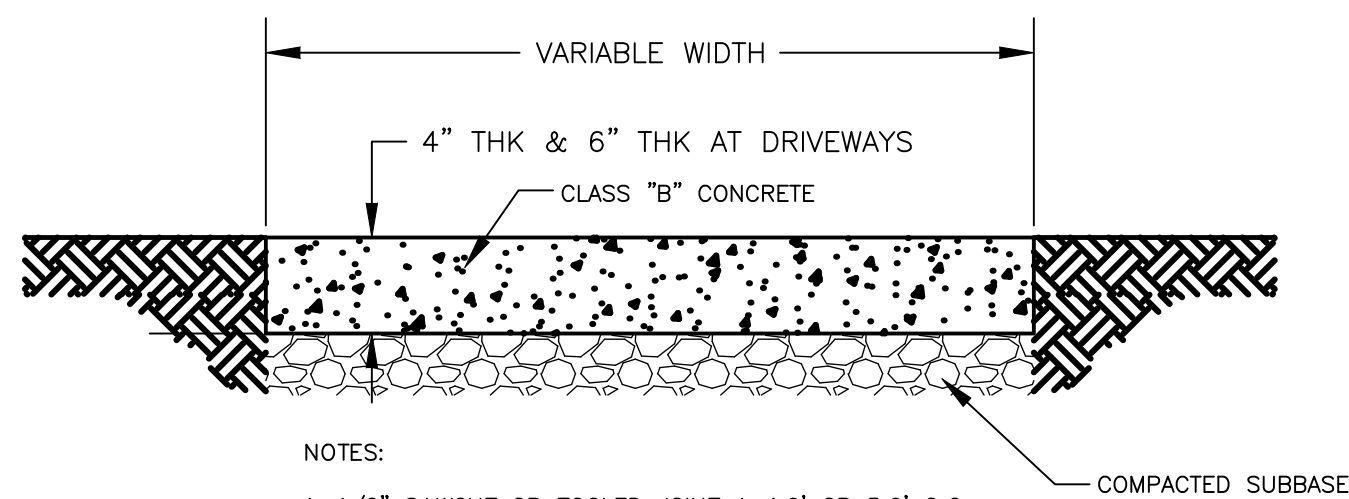
MINIMUM SIZE OF CONCRETE THRUST BLOCKS

d		A	B	C		A	B	C		A	B	C		A	B	C		dxd	A	B
6"		2'-0"	8"	1'-3"		2'-6"	8"	1'-3"		1'-6"	8"	1'-3"		1'-6"	8"	1'-3"		6"x4"	1'-6"	1'-0"
8"		2'-6"	8"	1'-6"		3'-0"	8"	1'-6"		1'-6"	8"	1'-9"		1'-6"	8"	1'-9"		8"x4"	2'-0"	1'-0"
10"		3'-0"	10"	2'-0"		3'-6"	10"	2'-0"		2'-3"	10"	2'-0"		1'-6"	10"	2'-0"		10"x6"	2'-4"	1'-3"
12"		3'-6"	10"	2'-6"		3'-9"	10"	2'-9"		2'-3"	10"	2'-6"		1'-6"	10"	2'-6"		10"x8"	2'-6"	1'-6"



WATER MAIN OFF -SET DETAIL

N.T.S.



NOTES:

1. 1/2" SAWCUT OR TOOLED JOINT A 4.0' OR 5.0' O.C. DEPTH=1" OR 1/4 OF SLAB THICKNESS.
2. INSTALL 1/2" WIDE TRAVERSE JOINTS IN SIDEWALK 20.0' C-C. FILL JOINTS WITH PREFORMED BITUMINOUS IMPREGNATED FIBER JOINT FILLER WHICH COMPLIES WITH REQUIREMENTS FOR TYPE 3 FILLER IN AASHTO SPEC M-153.

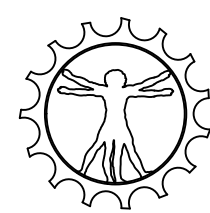
SIDEWALK DETAIL

N.T.S.

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Seal

Sign: *Frank A. Vinciguerra*
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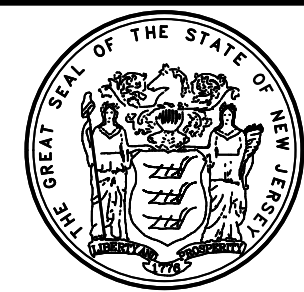


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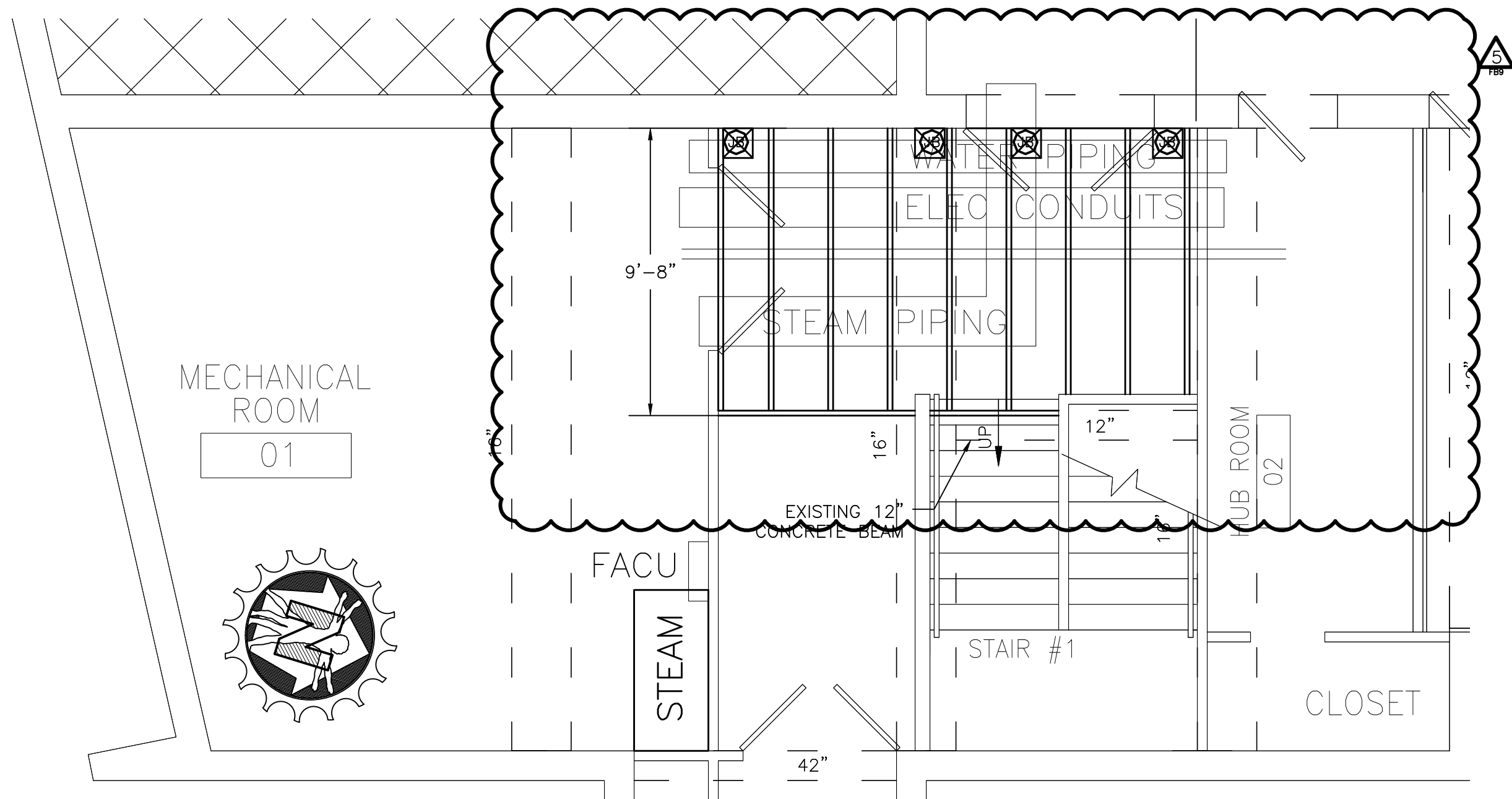
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TITLE OF DWG.
SITE PLAN SPECIFICATIONS AND DETAILS

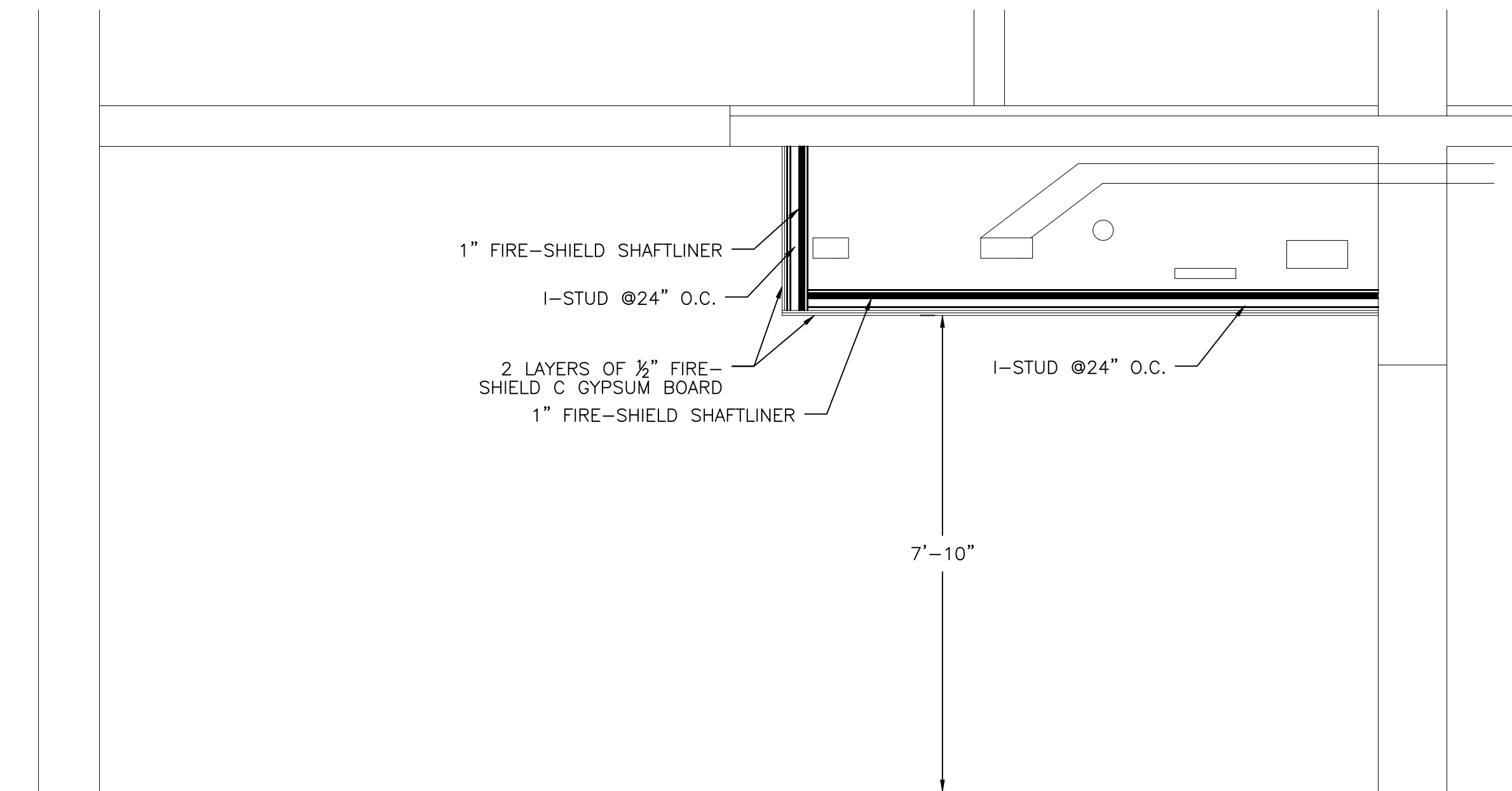
DWG. NO.
C-3

DATE
AUGUST 25, 2019

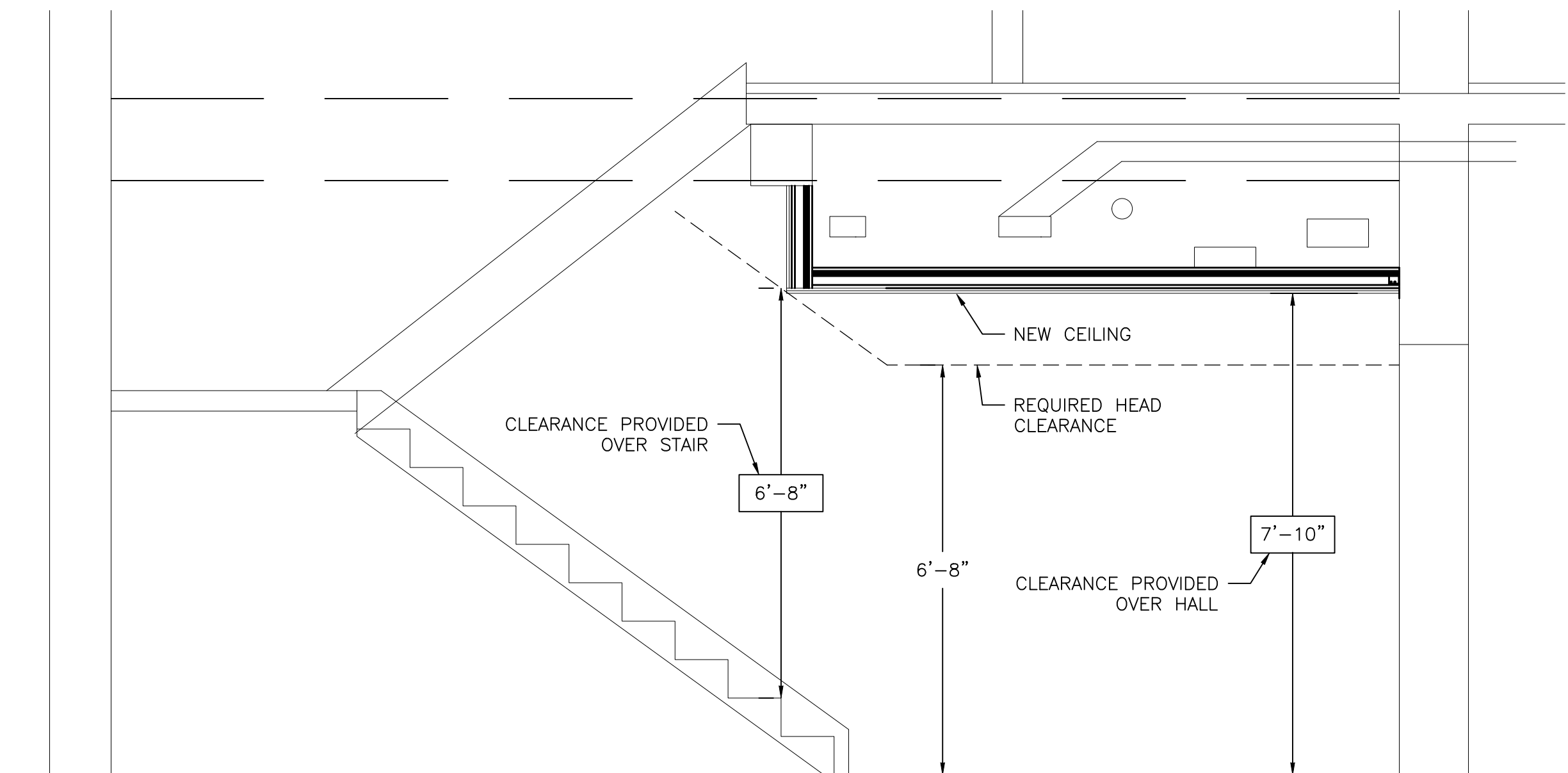
REV.
5



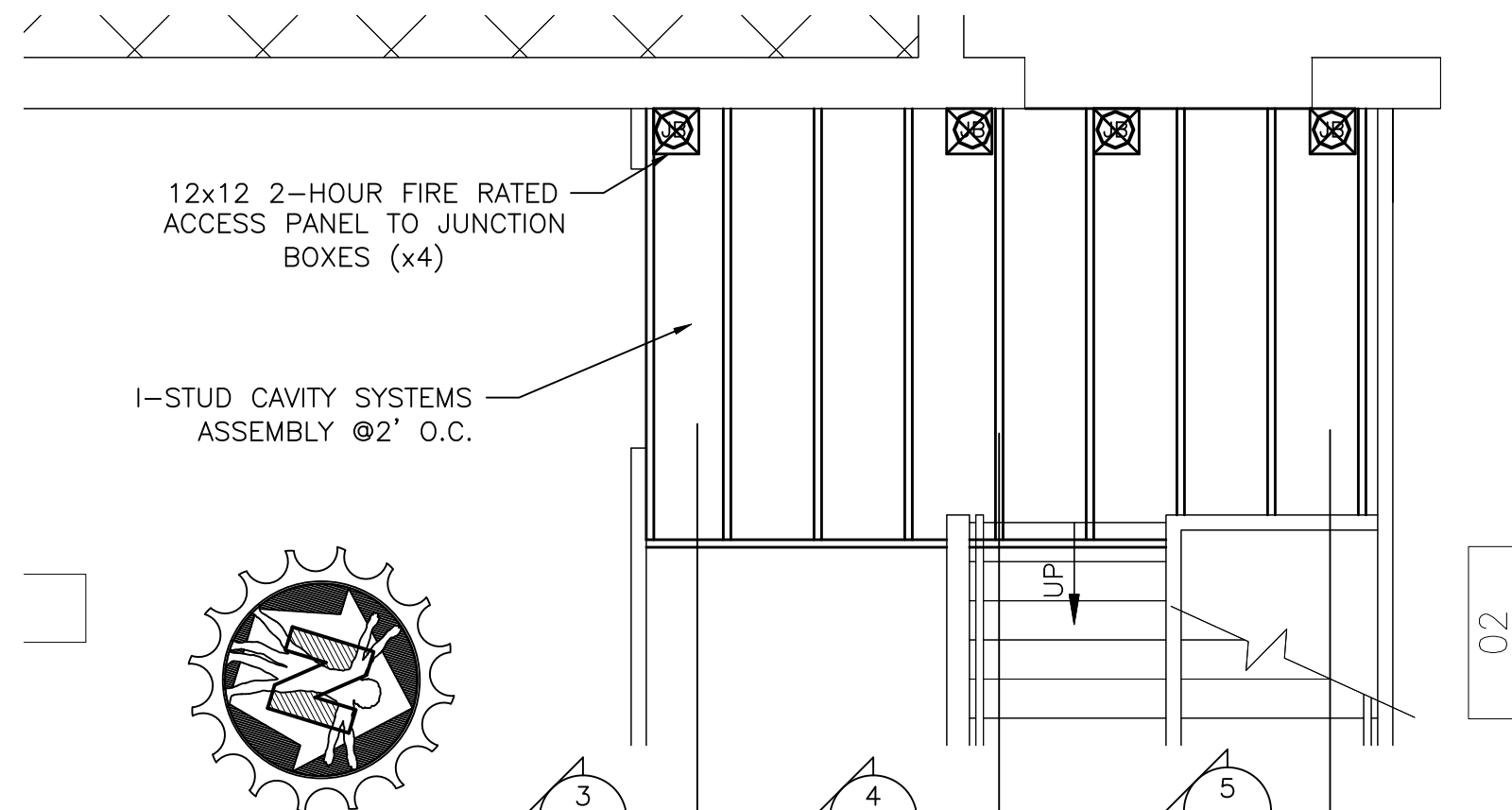
1 BLDG. 6 - BASEMENT STAIRWELL NEW PLAN
SCALE: 1/4 IN = 1 FT



3 BLDG. 6 - BASEMENT STAIRWELL NEW SECTION
SCALE: 1/2 IN = 1 FT



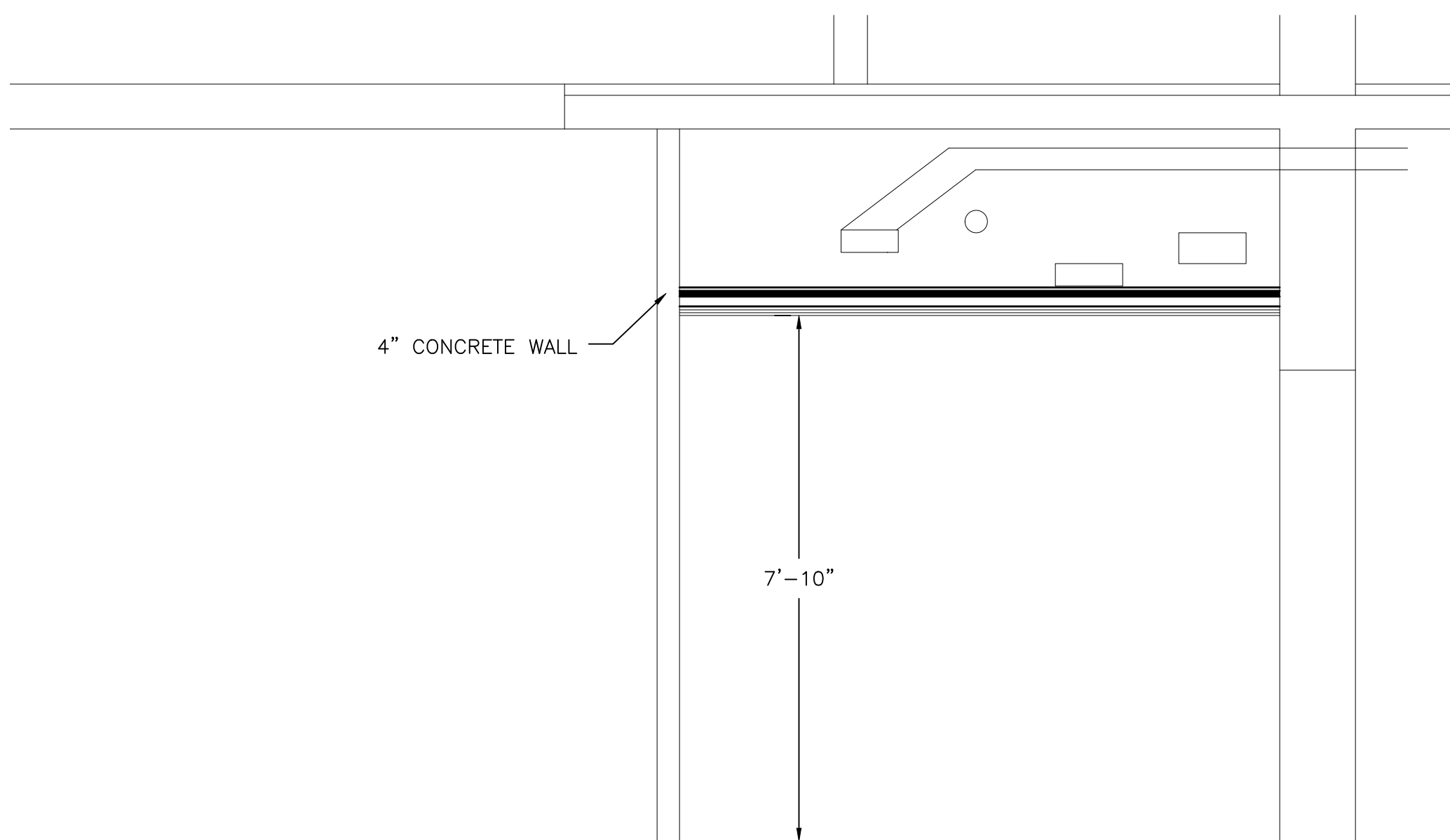
4 BLDG. 6 - BASEMENT STAIRWELL NEW SECTION
SCALE: 1/2 IN = 1 FT



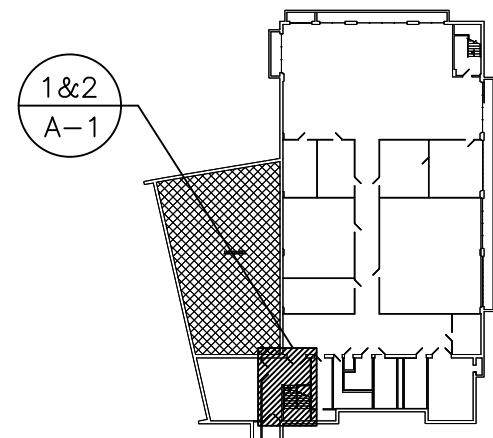
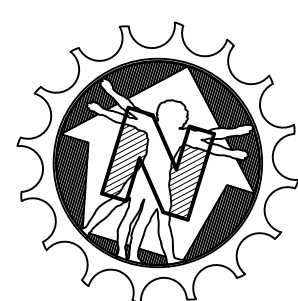
2 BLDG. 6 - BASEMENT STAIRWELL NEW STUD PLAN
SCALE: 1/4 IN = 1 FT

GENERAL NOTES

- SEE ELECTRICAL DRAWINGS FOR NEW LIGHTING IN THIS AREA.
- NEW PIPE SOFFIT IS TO BE I-STUD SHAFTWALL SYSTEMS OR EQUAL. SOFFIT IS TO BE 2-HOUR FIRE RATED WITH 2 LAYERS OF 1/2" FIRE-SHIELD C GYPSUM BOARD ON THE OUTSIDE AND 1 LAYER OF 1" FIRE-SHIELD SHAFTLINER INSIDE THE STUDS. SOFFIT IS TO BE CONSTRUCTED WITH 4" I-STUDS 400S-43H. VERTICAL WALL IS TO BE UL# U415. THE HORIZONTAL WALL IS TO BE WHI 694-0300.1
- THE EXISTING CONCRETE FLOOR ABOVE NEW SOFFIT AREA IS A 5" SLAB WITH 3" CONCRETE OVERLAY AS PER EXISTING BUILDING DRAWINGS A8, DETAIL "A", AND B2, DETAIL "TYPICAL SLAB CONSTRUCTION". ACCORDING TO IBC TABLE 722.2.2.1 FIRE RATINGS FOR CONCRETE SLABS, THE FIRE RATING FOR CONCRETE AT 8" THICKNESS EXCEEDS THE TABLE LIMITS AT 4-HOURS. THEREFORE THE EXISTING CONCRETE SLAB ABOVE THE NEW SOFFIT HAS A FIRE RATING EXCESS OF 4-HOURS.



5 BLDG. 6 - BASEMENT STAIRWELL NEW SECTION
SCALE: 1/2 IN = 1 FT



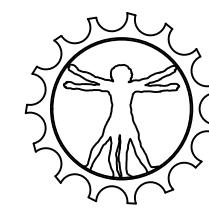
KEY PLAN BLDG 6

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Seal

Sign: *Frank A. Vinciguerra*
Date: 6/16/2020

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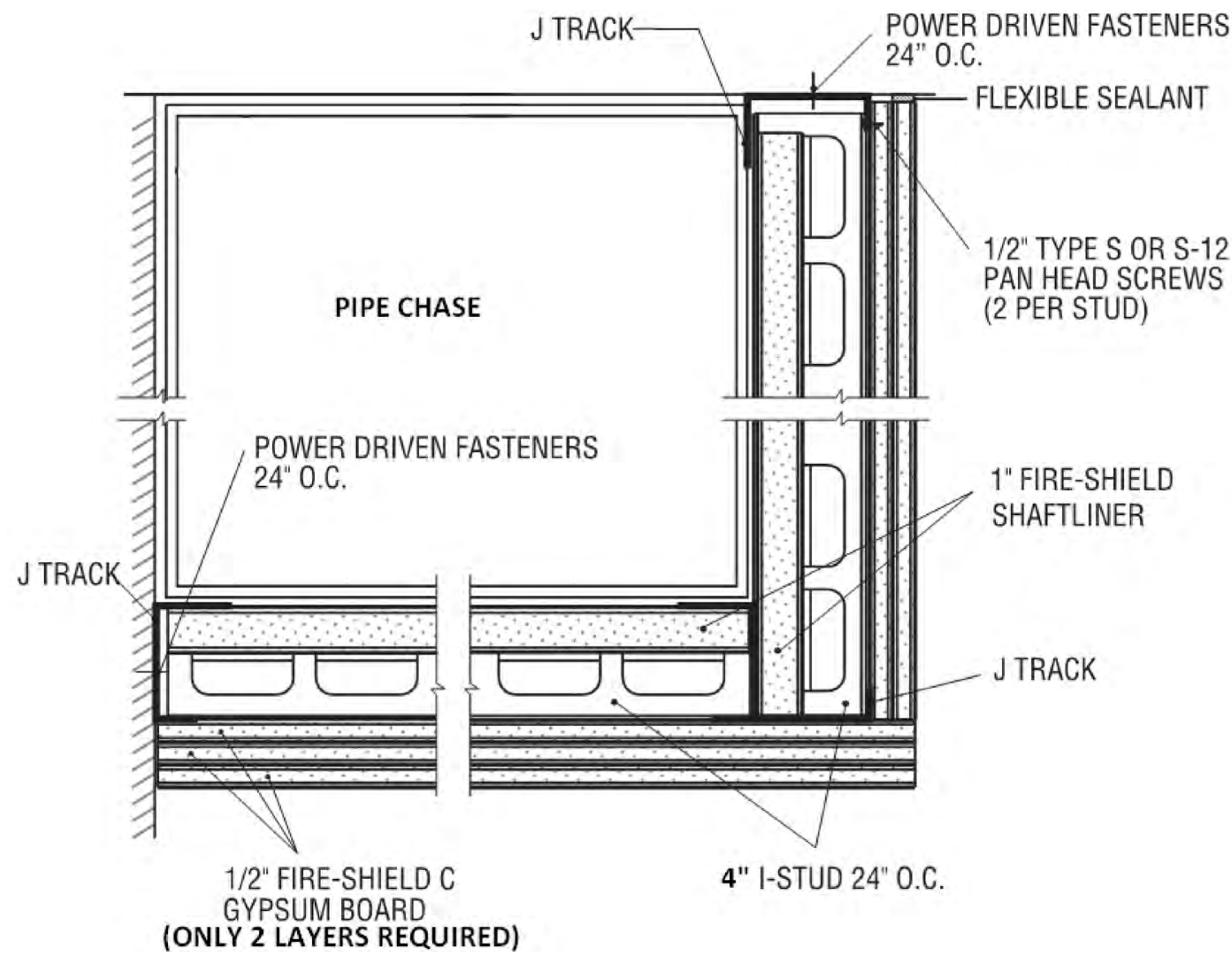


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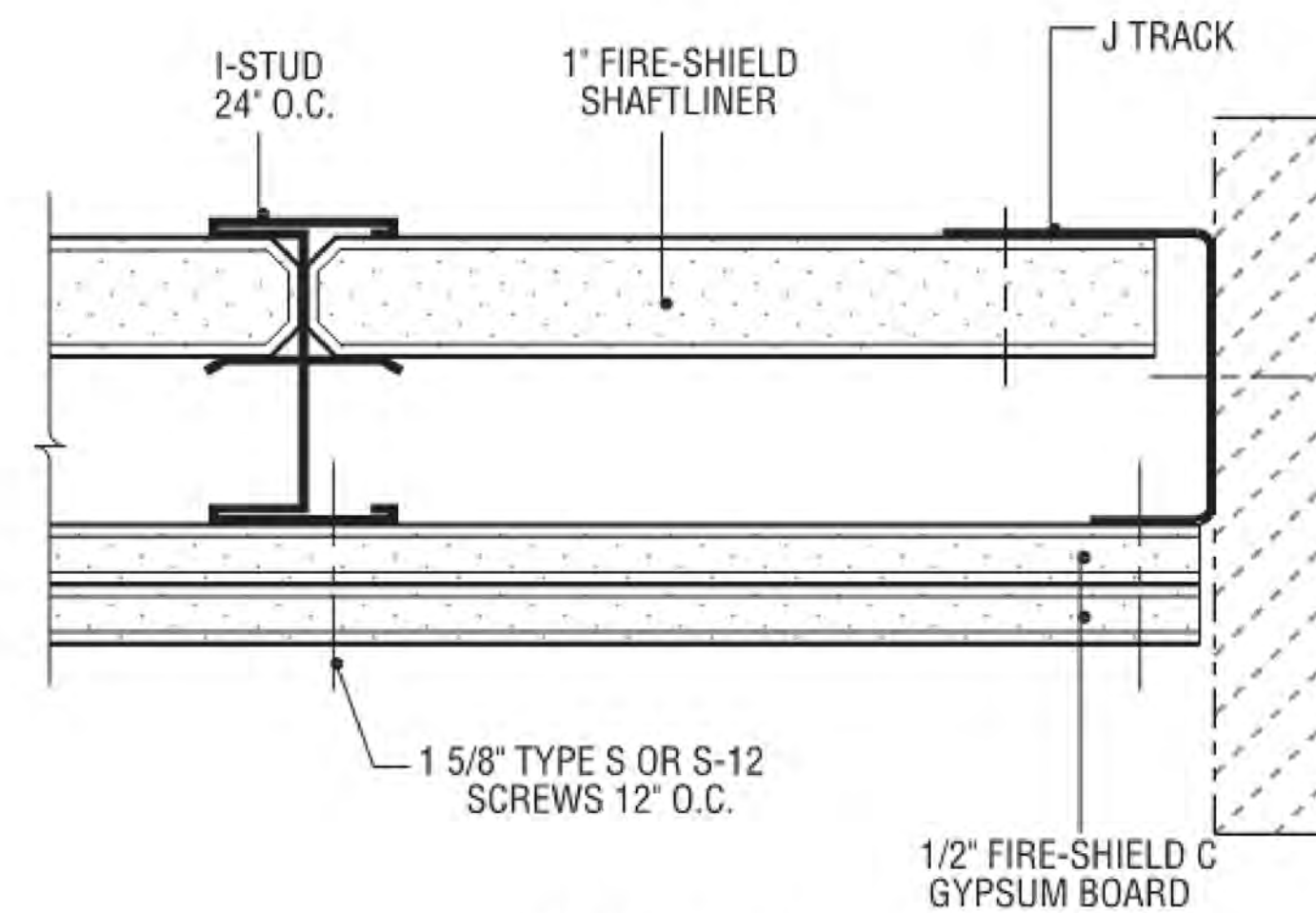
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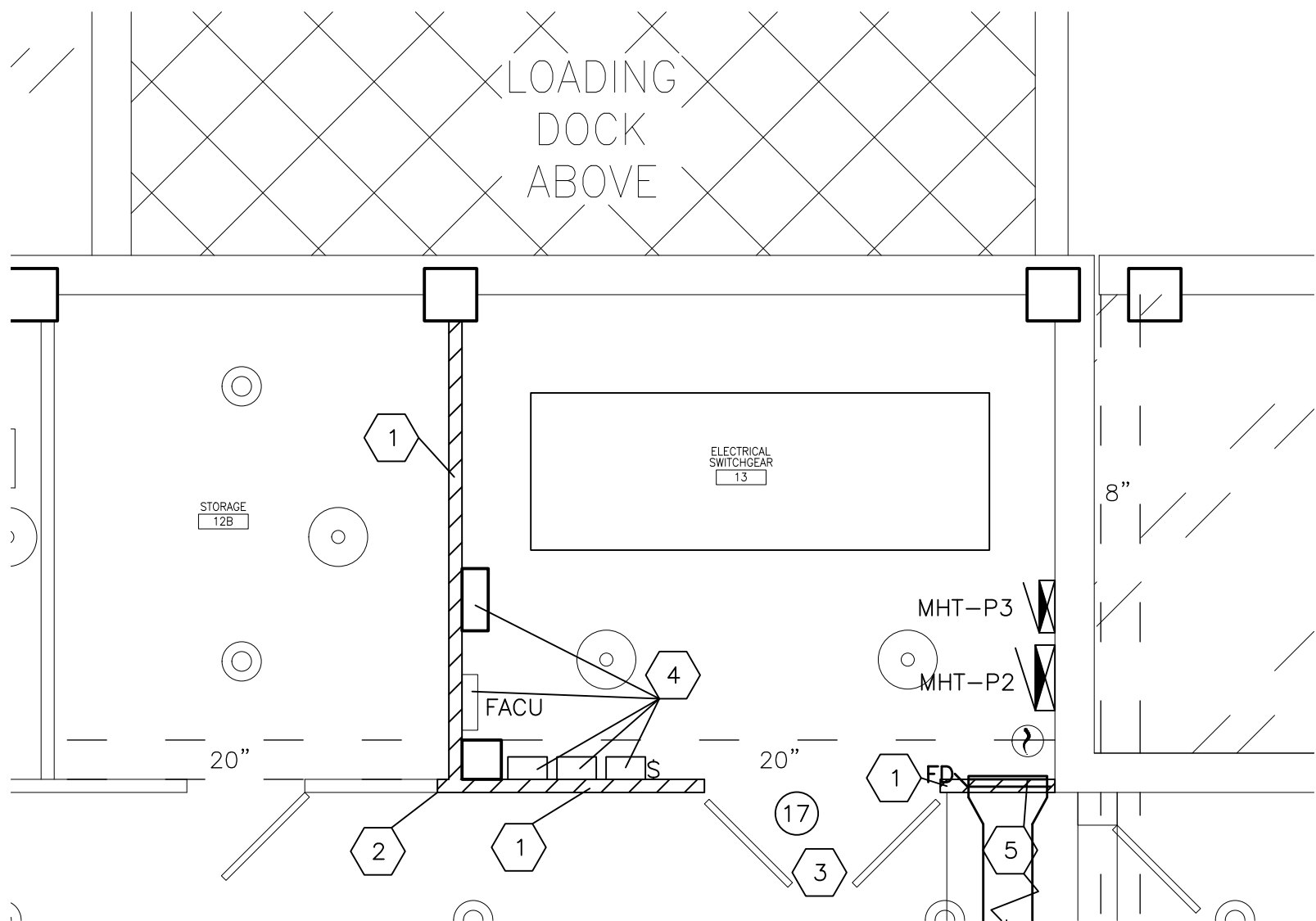
6 TYPICAL CHASE CONNECTION DETAIL
SCALE: NONE



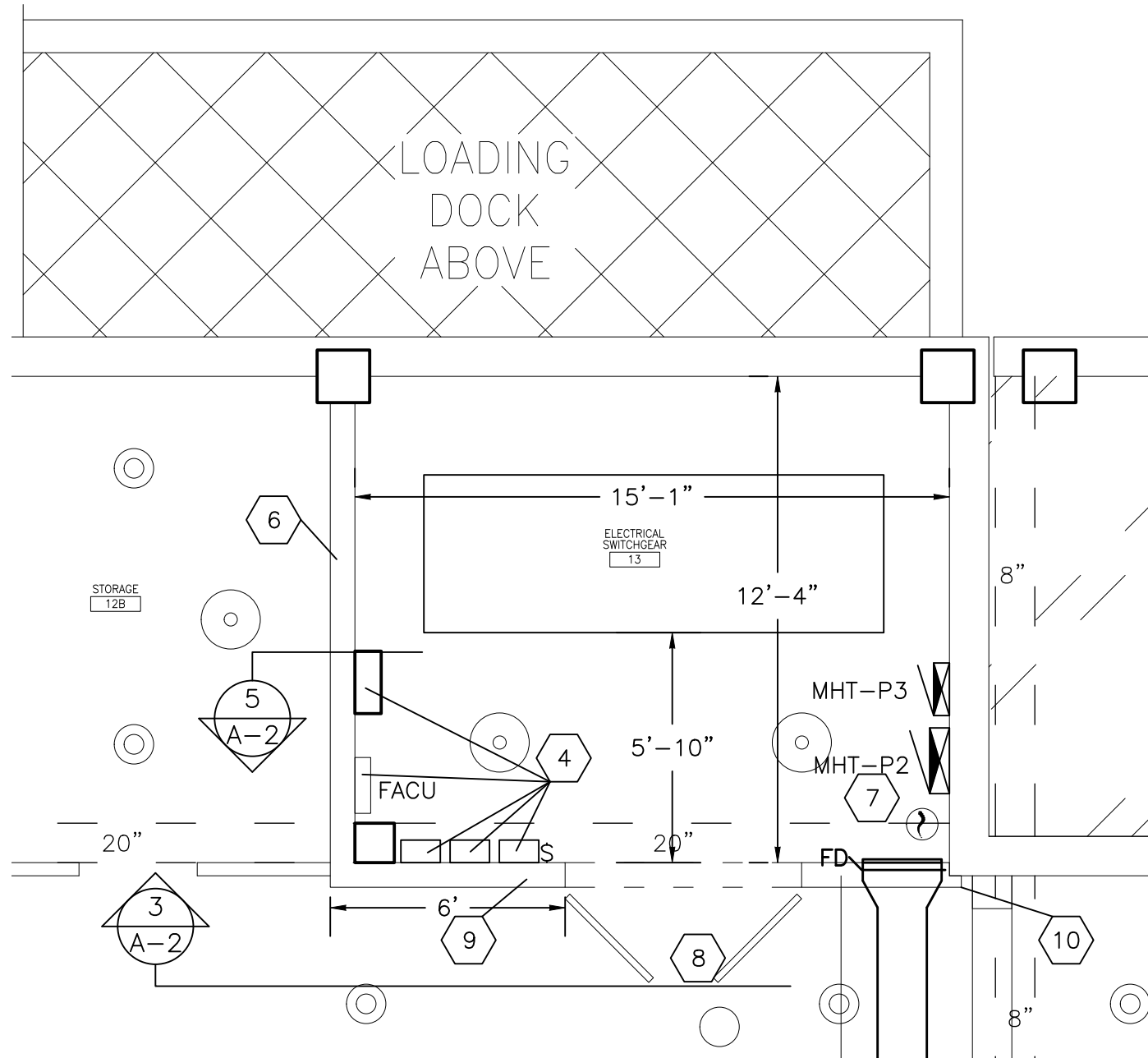
**TWO HOUR
CORRIDOR CEILING AND STAIR SOFFIT***
09260HH

7 TYPICAL CHASE ASSEMBLY DETAIL
SCALE: NONE

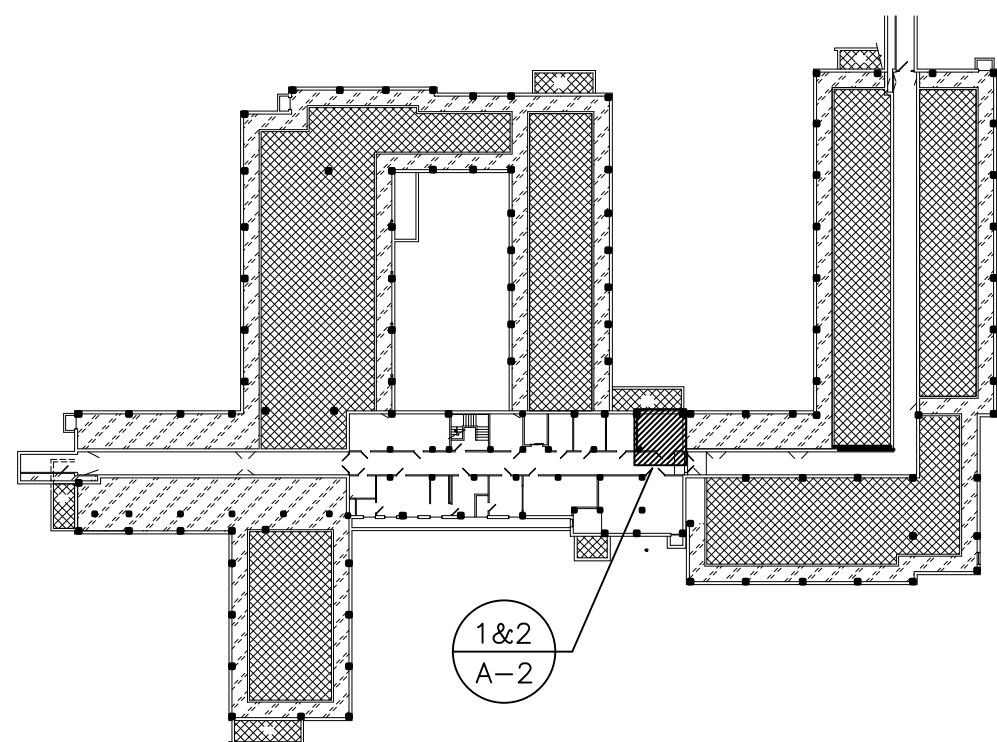
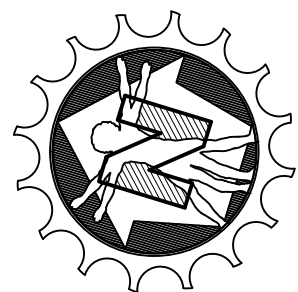
REV.	DATE	PERMIT SET	ddf	FAV
		DESCRIPTION	BY	CHK
STATE OF NEW JERSEY DEPARTMENT OF THE TREASURY DIVISION OF PROPERTY MANAGEMENT AND CONSTRUCTION				
PROJECT		CONTRACT NO.		
ANCORA PSYCHIATRIC HOSPITAL ANCORA, CAMDEN COUNTY, NJ		M1524-00		
DATE		AUGUST 25, 2019		
TITLE OF DWG.		DWG. NO.		
BLDG. 6 STAIRWELL PIPE CHASE PLAN		A-1		
DWN.	RGV	OK.	FAV	SCALE
				AS NOTED
				PROJ. A/E
				19046
				REV.
				5



1 BLDG. 16 – BASEMENT SWITCHBOARD RM DEMOLITION PLAN
A-2 SCALE: 1/4 IN = 1 FT



2 BLDG. 16 – BASEMENT SWITCHBOARD RM PROPOSED PLAN
A-2 SCALE: 1/4 IN = 1 FT



KEY PLAN BLDG 16

CMU BOND BEAM LINTEL SCHEDULE			
LINTEL TYPE	LENGTH	TYPE	DETAIL
(2) #5 BOT.	92"	8"x8"	

NOTE: BOND BEAM LINTEL IS TO HAVE A MIN. OF 2 HOUR FIRE RATING.
REBAR IS TO HAVE A MINIMUM OF 1.5" COVER FOR FIRE RATING.

SCHEDULE OF ROOM FINISHES

NO.	ROOM	BASE	WALL	REMARKS
10	CORRIDOR	CEM B.	GROUND FACE	NONE
12	GEN. STORAGE	—	EX. M.	PAINT TO MATCH EXISTING.
13	SWITCHBOARD	—	EX. M.	PAINT TO MATCH EXISTING.

DOORS

DOUBLE 36"x 104"x 1.75" 90 MINUTE FIRE RATED DOORS:
1 EA WELDED HM FRAME 6086 A40 90M B LABEL SR 16GA 734 JAMB DEPTH; DELAFONTAINE
1 EA ACTIVE LEAF HM DOOR 3086 1/2UC A40 90M B LABEL HC PAF 18GA FWC CCH, MEDFH, CL16, P Z ASTRAGAL; DELAFONTAINE
1 EA INACTIVE LEAF HM DOOR 3086 1/2UC A40 90M B LABEL HC PAF 18GA FWC BOTTOM LOUVER CUTOUT 2424 CH-CCH, ASA, FB/FB, P; DELAFONTAINE
1 EA FIRE RATED Z BLADE LOUVER 1900A 2424; AIR LOUVER w/KEES INC – ANTILIGITURE GRILL #SEG-4P3 10GA. (COLOR TO MATCH DOOR)

DOOR HARDWARE

LOCATION: ELECTRICAL ROOM DOUBLE DOORS – FIRE RATED (ANSI FUNCTION E2151)
2 EA CONTINUOUS GEARED HINGE; HAGER MODEL 780 112HD X TIPIT 90M B LABEL; US28 HAGER
1 EA FIRE EXIT DEVICE 4501 MRTN F X 7/8 LTC STRIKE; US32D HAGER
1 EA PULL 313S X CYLINDER PREP(4501 MRTN) THRUBOLT TO EXIT DEVICE; US32D HAGER
1 EA MORTISE CYLINDER X TAPERED COLLAR X LENGTH TO SUIT; US26D HAGER MATCH EXISTING KEY SYSTEM
2 EA MANUAL FLUSHBOLTS 282D-30" TOP, 12" BOTTOM; US26D HAGER
1 EA DUST PROOF STRIKE 280X; US26D HAGER
2 EA DOOR CLOSER 5100 HDCS; ALM HAGER
1 EA OVERHEAD STOP 7016 SRF; US32D HAGER
1 EA PERIMETER GASKET 726; CHAR HAGER
1 EA ASTRAGAL GASKET 726; CHAR HAGER

KEYED NOTES

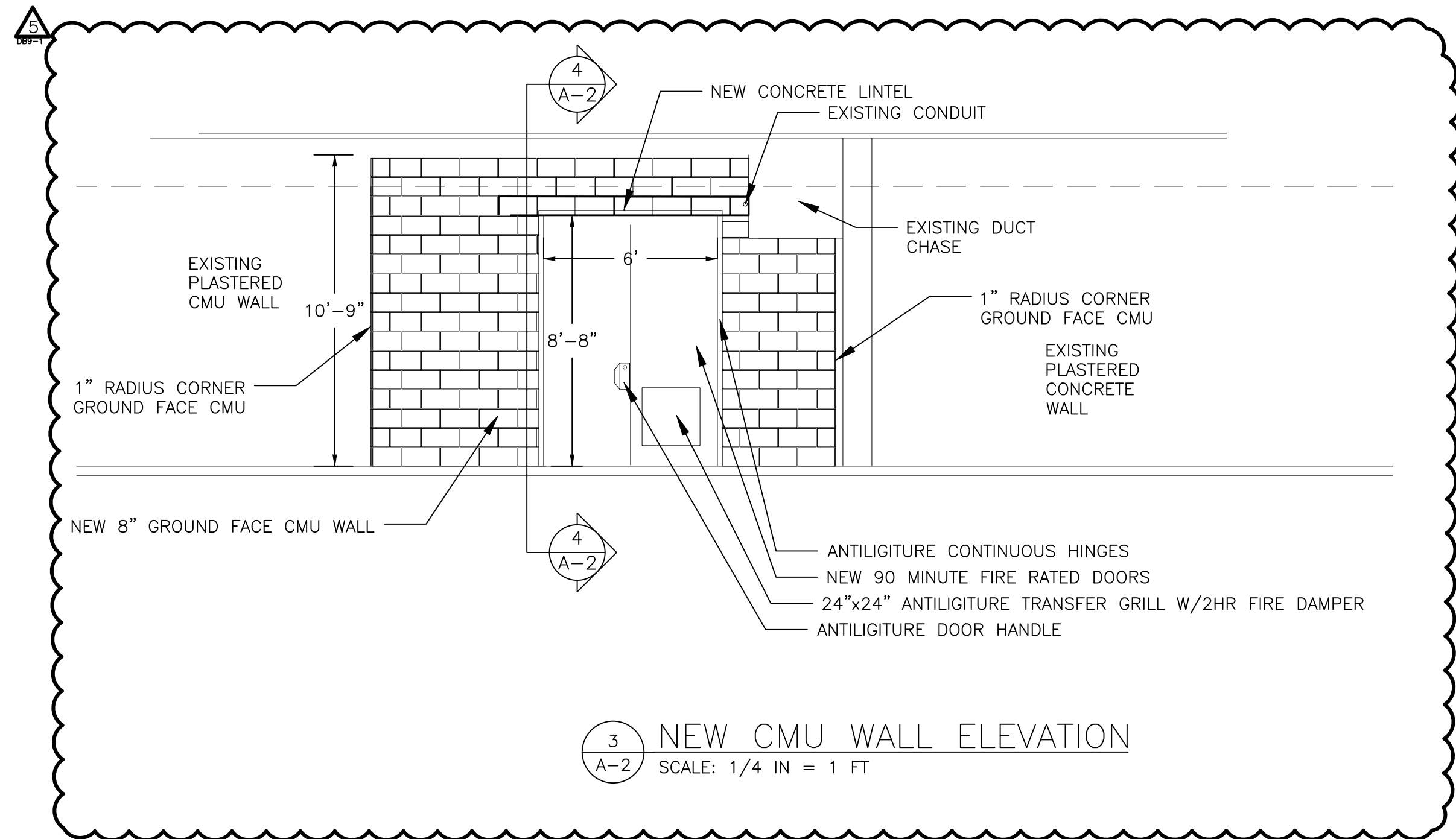
- DEMOLISH EXISTING 4" CMU WALL.
- SAW CUT EXISTING WALL.
- DEMOLISH EXISTING DOORS, FRAME, AND HARDWARE. PRESERVE EXISTING SIGNAGE FOR INSTALLATION ON NEW DOORS.
- REMOVE AND SUPPORT ELECTRICAL AND FIRE ALARM PANELS FOR DEMOLITION OF WALL. DEMOLISH ANY ABANDONED EQUIPMENT.
- PRESERVE EXHAUST GRILL AND DUCTWORK. TRIM SOFFIT TO ACCEPT NEW WALL. INSTALL NEW BLOCK TIGHT TO DUCT WORK, FIRE STOP AS PER DETAIL ON SHEET G2.
- PROVIDE NEW 8" CMU WALLS.
- REINSTALL EXHAUST GRILL AND REFURBISH EXISTING FIRE DAMPER.
- PROVIDE NEW DOORS, FRAME, AND HARDWARE. INSTALL SIGNAGE FROM DEMO.
- NEW 8" GROUND FACE CMU WALL AND CONCRETE LINTELS.
- NOTCH 8" TO OVERLAP EXISTING CONCRETE WALL MINIMUM OF 4".

SPECIFICATIONS

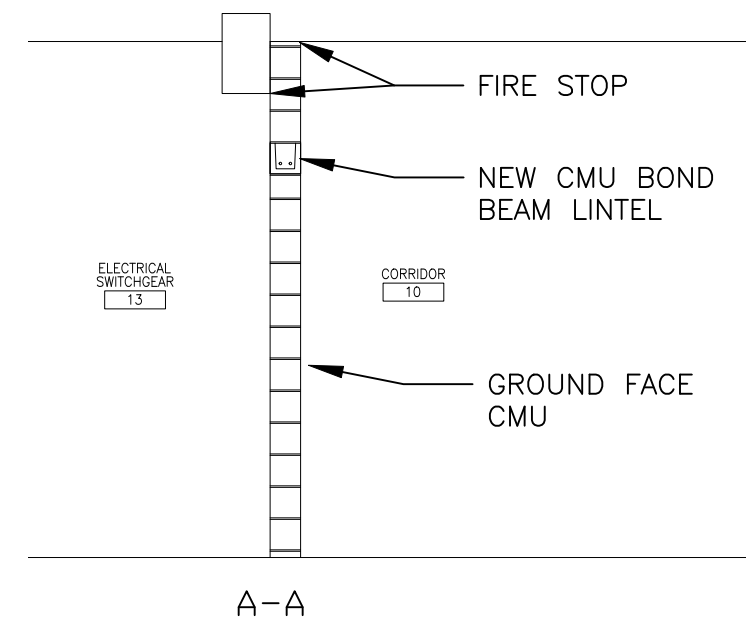
- NEW CMU TO BE 8" AND 4" GROUND FACE CMU.
- NEW CMU TO BE INSTALLED WITH TYPE S MORTAR, COLOR TO MATCH BLOCK.
- NEW CMU BOND BEAM LINTEL IS TO BE INSTALLED WITH A MINIMUM OF 8" BEARING ON EACH SIDE. THIS DESIGN SHOWS 12" OF BEARING. CONTRACTOR IS TO ADJUST LENGTH TO MEET REQUIREMENTS AND CLEARANCES. CMU BOND BEAM LINTEL IS TO BE GROUND FACE TO MATCH CMU WALL. CMU BOND BEAM LINTEL IS TO HAVE A MINIMUM FIRE RATING OF 2-HOURS.
- NEW CMU IS TO BE DESIGN UL# 905, BLOCK CLASSIFICATION D-2 (2HR FIRE RATING), COLOR BY OWNER (YORK BUILDING PRODUCTS JEMSTONE OR EQUAL).
- NEW CMU WALL TO EXISTING BUILDING STRUCTURE IS TO BE FIRE STOPPED AS PER UL #HW-D-0268 (SEE SHEET G2 FOR DETAIL).
- ALL EXISTING FIREPROOFING AND CONCRETE IS TO BE REPAIRED IF DAMAGED DURING CONSTRUCTION.
- DOORS FINISH TO BE PRIMED AND FINISH TO BE SEMI-GLOSS PAINTED, MATCH EXISTING.

GENERAL NOTES

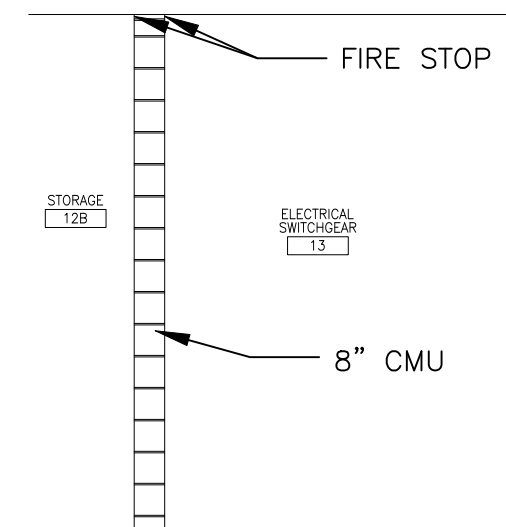
- NEW CMU GROUND FACE WALL IS TO BE ANCHORED INTO EXISTING CONCRETE SLAB WITH #3 REBAR @16" O.C. WITH SIMPSON HIGH STRENGTH ANCHORING EPOXY (MINIMUM OF 2-INCHES IN CONCRETE). CMU BLOCKS ARE TO BE GROUT FILLED IN AREAS OF ANCHORING. ANCHORS ARE TO EXTEND UP INTO CMU WALL A MINIMUM OF 2 COURSES.



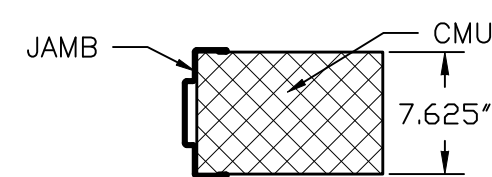
3 NEW CMU WALL ELEVATION
A-2 SCALE: 1/4 IN = 1 FT



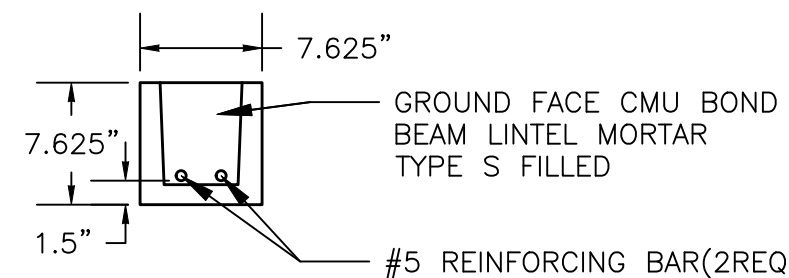
4 NEW CMU WALL SECTION
A-2 SCALE: 1/4 IN = 1 FT



5 NEW CMU WALL SECTION
A-2 SCALE: 1/4 IN = 1 FT



6 WALL/JAMB DETAIL
A-2 SCALE: 1 IN = 1 FT

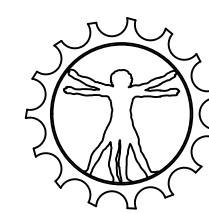


7 HEADER/JAMB DETAIL
A-2 SCALE: 1 IN = 1 FT

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Sign: *Frank A. Vinciguerra*
Date: 6/16/2020

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






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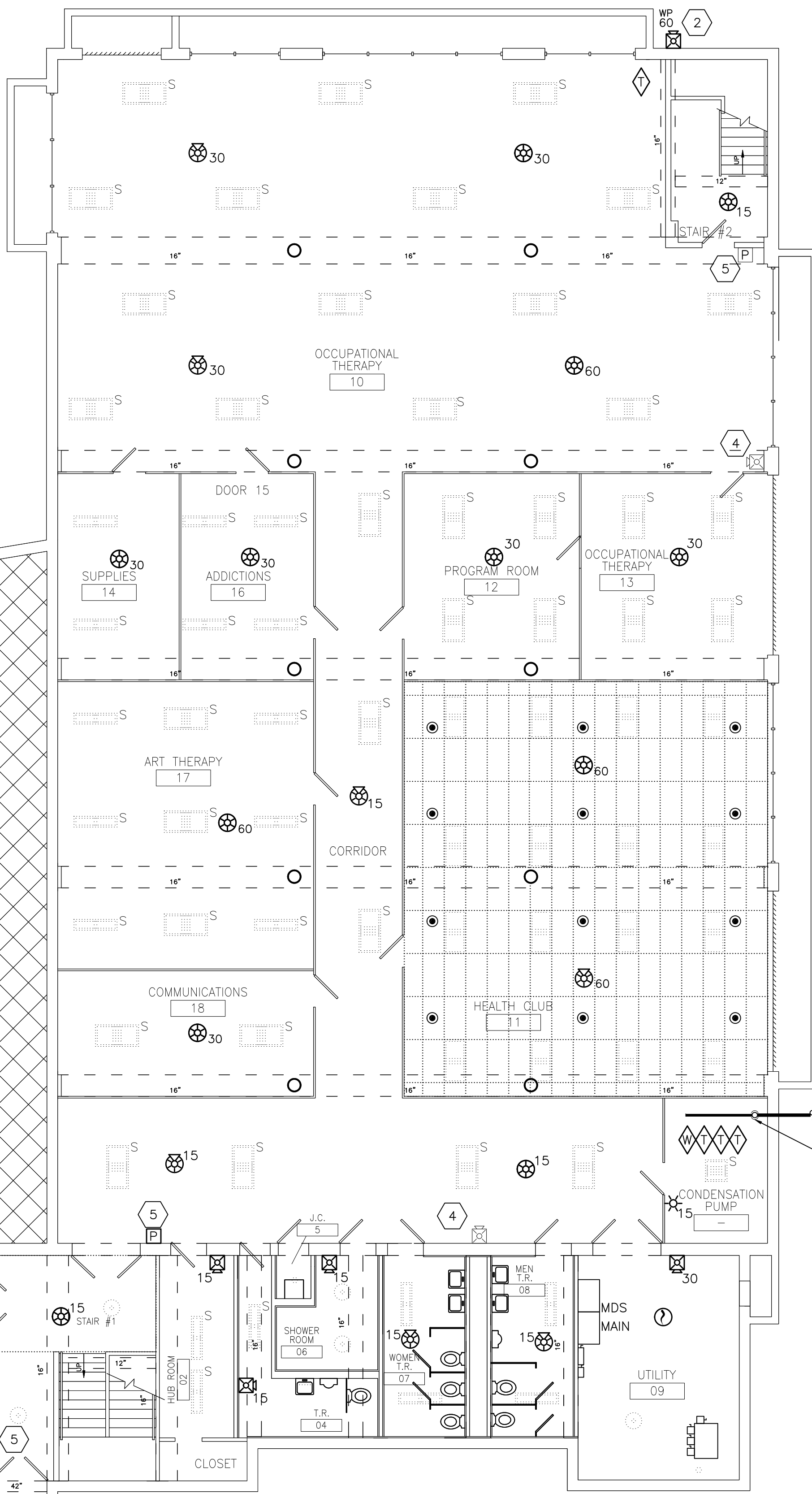
—	6/16/20	PERMIT SET	ddf	FAV
REV.	DATE	DESCRIPTION	BY	CHK
<div>  <div> <p>STATE OF NEW JERSEY DEPARTMENT OF THE TREASURY DIVISION OF PROPERTY MANAGEMENT AND CONSTRUCTION</p> </div> </div>				
PROJECT		<p>ANCORA PSYCHIATRIC HOSPITAL ANCORA, CAMDEN COUNTY, NJ FIRE PROTECTION UPGRADES</p>		
TITLE OF DWG.		<p>BLDG. 16 ELECTRICAL ROOM CMU DEMO & NEW PLAN</p>		
DWN.		OK.	FAV	SCALE
RGV		AS NOTED	PROJ. A/E	19046
REV.		5		

SYMBOL LEGEND

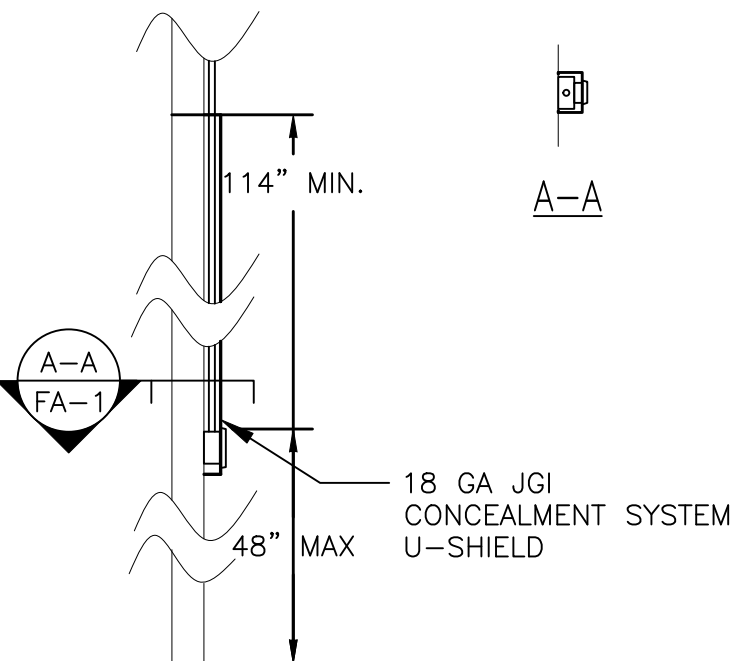
	SMOKE DETECTOR (PHOTOELECTRIC)
	MANUAL PULL STATION (DUAL ACTION 48" AFF)(KEYED)
	HORN/STROBE
	CEILING MOUNTED WHITE STROBE
	CEILING MOUNTED AUDIO / WHITE STROBE
	WHITE STROBE
	DEVICE WITH ### CANDELA STROBE
	FLOW SWITCH
	TAMPER SWITCH
	INTERFACE
	EXISTING DEVICE

GENERAL NOTES

- 1 SCOPE:
A DEMOLISH EXISTING DEVICES AND WIRING IN BASEMENT.
B PROVIDE NEW DETECTION DEVICES, NOTIFICATION DEVICES, AND WIRING IN BASEMENT.
C EXPAND EXISTING FIRE ALARM PANEL AS NEEDED TO ACCOMMODATE NEW DEVICES.
- 2 PROVIDE A SMOKE DETECTOR AT EACH FIRE ALARM AND/OR BOOSTER PANEL ADDED IN ADDITION TO THIS PLAN.
- 3 ALL EXISTING DETECTORS, NOTIFICATION, TAMPER, AND FLOW DEVICES, ETC. IN AREAS NOT INDICATED TO BE DEMOLISHED OR CHANGED SHALL REMAIN.
- 4 ALL CONDUIT IN OPEN AREAS ACCESSIBLE TO RESIDENTS SHALL BE RUN ABOVE 9FT OR ENCLOSED IN A CHASE.
- 5 MINIMUM 3/4" CONDUIT SHALL BE USED FOR ALL DETECTION AND NOTIFICATION CIRCUITS. NOTIFICATION CIRCUITS SHALL BE A MINIMUM OF #12 AWG CU CONDUCTORS AND DETECTION CIRCUITS SHALL BE A MINIMUM OF #18 AWG CU CONDUCTORS.
- 6 PROVIDE SPACE AGE ELECTRONICS #ELOCK-FA CIRCUIT BREAKER LOCK AND LABELING AT CIRCUIT BREAKER FEEDING FIRE ALARM PANEL.
- 7 REFER TO PROJECT MANUAL FOR ADDITIONAL INFORMATION AND SPECIFICATIONS IN ADDITION TO THESE SHEETS.



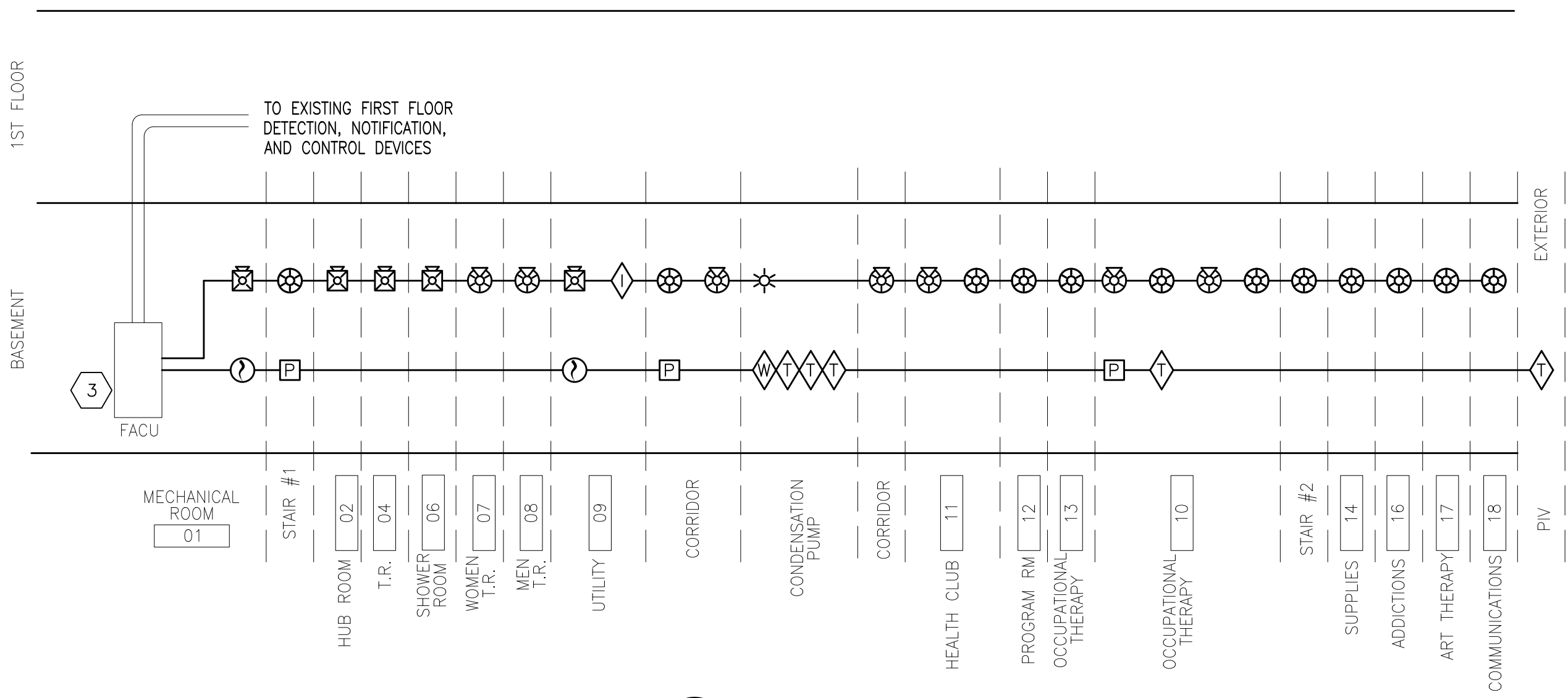
1 BLDG. 6 - BASEMENT FIRE ALARM PLAN
FA-1 SCALE: 1/8 IN = 1 FT



2 SURFACE MOUNTED PULL
FA-1 SCALE: NONE

SYSTEM INPUTS		SYSTEM OUTPUTS								
		ANNUNCIATION AT FACU			NOTIFICATION					
		1	2	3	4	5	6	7	8	9
1	GENERAL FIRE ALARM	X			X		X	X		
2	SPRINKLER WATER FLOW SWITCHES	X			X		X	X		
3	FACP AC POWER FAILURE		X							
4	FACP LOW BATTERY		X		X					
5	OPEN CIRCUIT		X		X					
6	GROUND FAULT		X		X					
7	SHORT CIRCUIT		X		X					
8	SMOKE DETECTOR DIRTY		X		X					
9	POOR/NO DEVICE RESPONSE		X		X					
10	REMOVAL OF DEVICE		X		X					
11	SPRINKLER TAMPER SWITCH CLOSED			X	X					

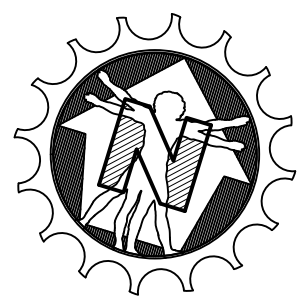
FIRE ALARM CONTROL UNIT (FACU) MATRIX



3 BLDG. 6 - RISER DIAGRAM
FA-1 SCALE: NONE

KEYED NOTES

- 1 CONNECT TO PIV TAMPER SWITCH. SEE SITE DRAWING FOR EXACT LOCATION.
- 2 WATERFLOW ALARM - MOUNT 96" ABOVE GRADE.
- 3 EXISTING FIRE ALARM PANEL IS AN ADDRESSABLE FIRE-LITE MODEL MS-9600.
- 4 DEMOLISH EXISTING FIRE ALARM DEVICE, CONDUIT, AND WIRING.
- 5 IF PULL STATIONS THAT ARE SURFACE MOUNTED, PROVIDE ANTILIGITURE CHASE AS PER DETAIL 2/FA-1 OR EQUAL.



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Sign: *Frank A. Vinciguerra*
Date: 6/16/2020


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REV.	6/16/20	PERMIT SET	ddf	FAV
		DESCRIPTION	BY	CHK
 STATE OF NEW JERSEY DEPARTMENT OF THE TREASURY DIVISION OF PROPERTY MANAGEMENT AND CONSTRUCTION				
PROJECT		ANCOA PSYCHIATRIC HOSPITAL ANCOA, CAMDEN COUNTY, NJ FIRE PROTECTION UPGRADES		COMM. NO. M1524-00
TITLE OF DWG.		BLDG. 6 BASEMENT FIRE ALARM PLAN		DWG. NO. FA-1
DWN. RGV	OK FAV	SCALE AS NOTED	PROJ. A/E 19046	REV. 5

SEE DRAWING 1/FA-2 FOR CONTINUATION

SEE DRAWING 1/FA-3 FOR CONTINUATION

SEE DRAWING 2/FA-3 FOR CONTINUATION

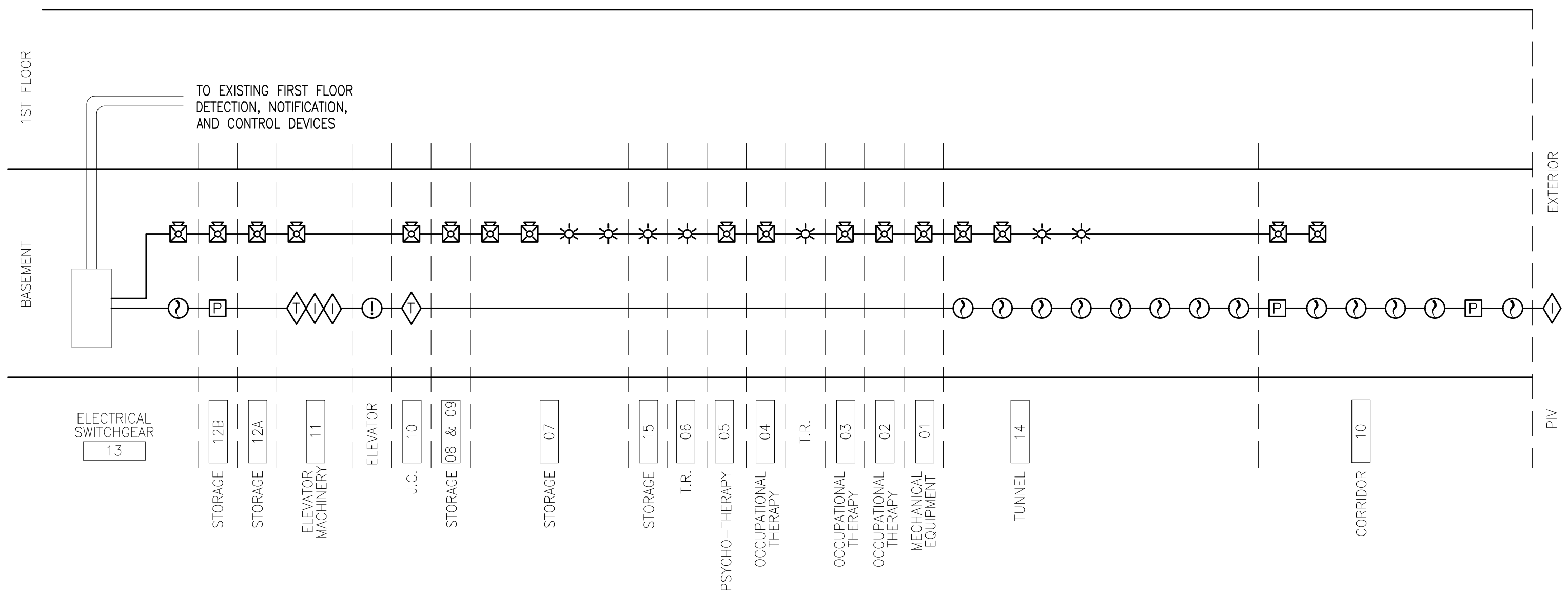
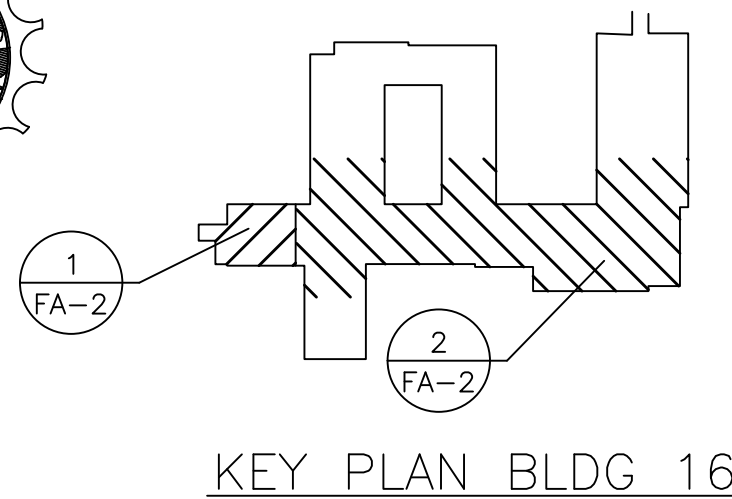
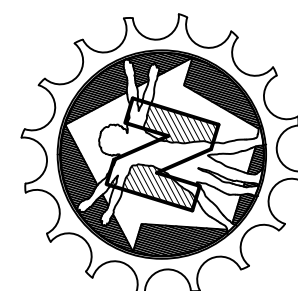
2 BLDG. 16 — PARTIAL BASEMENT FIRE ALARM PLAN
SCALE: 1/8 IN = 1 FT

NEW 6" WET SYSTEM RISER, WITH BACKFLOW PREVENTOR, MAIN DRAIN AND INSPECTOR'S TEST CONNECTION

1 BLDG. 16 — PARTIAL BASEMENT FIRE ALARM PLAN
SCALE: 1/8 IN = 1 FT

KEYED NOTES

- 1 PROVIDE A 135°FDF HEAT DETECTOR WITHIN 24" OF SPRINKLER HEAD PROVIDE INTERFACE TO SHUNT TRIP NEW ELEVATOR DISCONNECT SWITCH UPON HEAT DETECTION IN THIS ROOM.
- 2 PROVIDE INTERFACE TO RECALL ELEVATOR TO NON-FIRE FLOOR PER ELEVATOR LOBBY SMOKE DETECTORS AND MACHINE RM SMOKE DETECTOR.
- 3 REPLACE EXISTING ELEVATOR DISCONNECT SWITCH WITH SHUNT TRIP DISCONNECT SWITCH, SWW SHEET E-1.
- 4 EXISTING FIRE ALARM PANEL IS A NON-ADDRESSABLE FIRE-LITE MODEL MS-10UD-7.
- 5 CONNECT TO PIV TAMPER SWITCH. SEE SITE DRAWING FOR EXACT LOCATION.

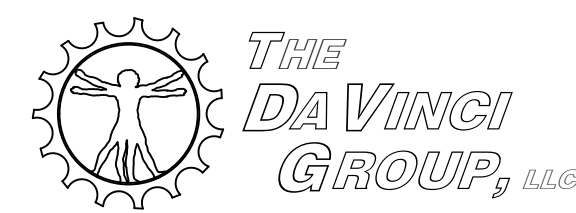


3 BLDG. 16 — RISER DIAGRAM
SCALE: NONE

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Sign: *Frank A. Vinciguerra*
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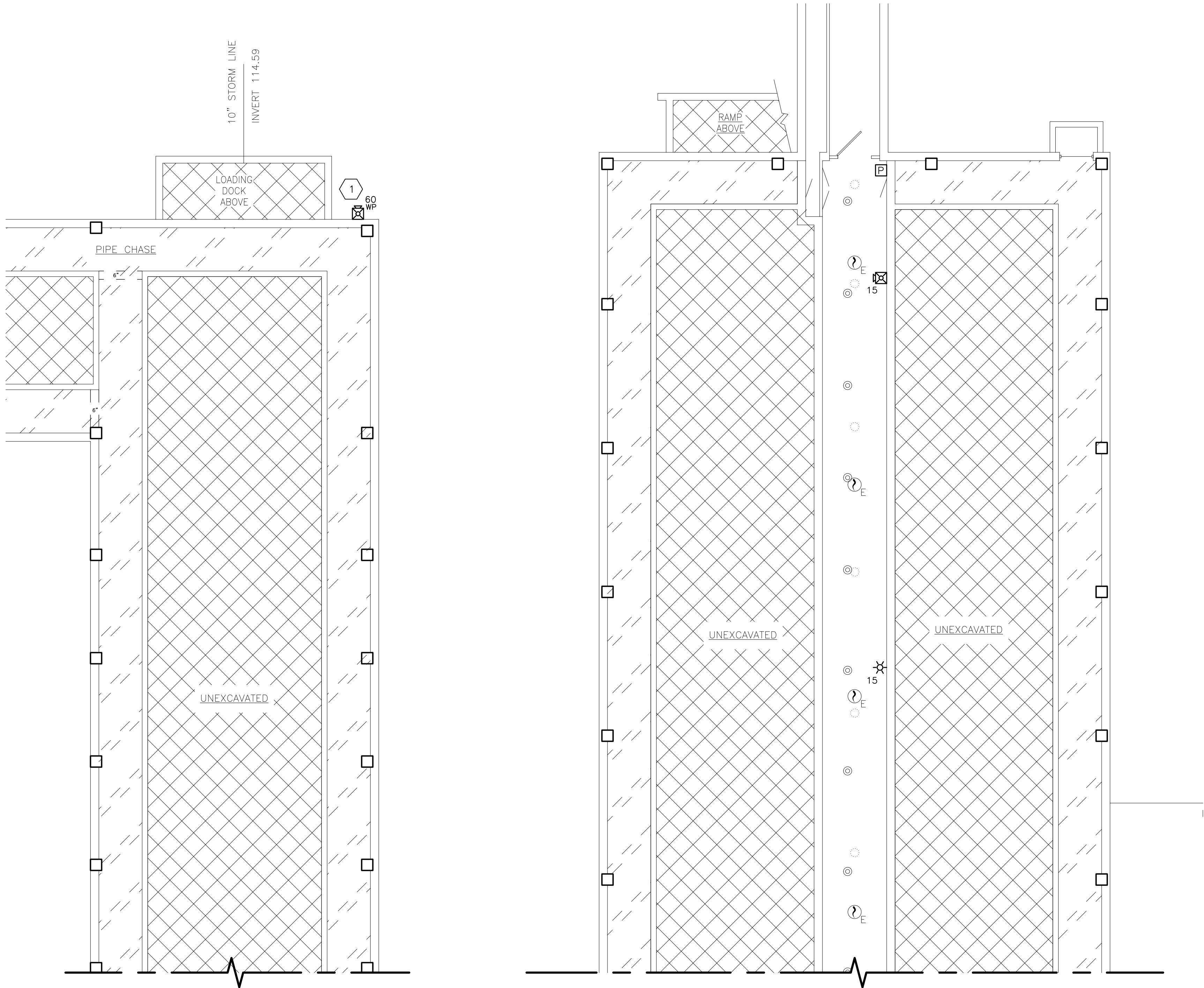


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REV.	DATE	PERMIT SET	ddf	FAV
		DESCRIPTION	BY	CHK
 <p>STATE OF NEW JERSEY DEPARTMENT OF THE TREASURY DIVISION OF PROPERTY MANAGEMENT AND CONSTRUCTION</p>				
PROJECT		ANCORA PSYCHIATRIC HOSPITAL ANCORA, CAMDEN COUNTY, NJ FIRE PROTECTION UPGRADES		COMM. NO. M1524-00
TITLE OF DWG.		BLDG. 16 BASEMENT FIRE ALARM PLAN		DWG. NO. FA-2
DWN. RGV	OK FAV	SCALE AS NOTED	PROJ. A/E 19046	REV. 5



SEE DRAWING 2/FA-2 FOR CONTINUATION

SEE DRAWING 2/FA-2 FOR CONTINUATION

1 BLDG. 16 - PARTIAL BASEMENT FIRE ALARM PLAN
FA-3 SCALE: 1/8 IN = 1 FT

2 BLDG. 16 - PARTIAL BASEMENT FIRE ALARM PLAN
FA-3 SCALE: 1/8 IN = 1 FT

KEYED NOTES

- 1 WATERFLOW ALARM - MOUNT 96" ABOVE GRADE.

SYSTEM INPUTS		SYSTEM OUTPUTS										
		ANNUNCIATION AT FACU			NOTIFICATION							
		1	2	3	4	5	6	7	8	9	10	11
1	GENERAL FIRE ALARM	X			X			X	X			
2	SPRINKLER WATER FLOW SWITCHES	X			X			X	X			
3	ELEV. LOBBY & MACH. RM. SMOKE DETECTOR	X			X			X		X		
4	ELEV. MACH. RM. HEAT DETECTOR	X			X			X			X	
5	FACP AC POWER FAILURE		X			X						
6	FACP LOW BATTERY		X			X						
7	OPEN CIRCUIT		X			X						
8	GROUND FAULT		X			X						
9	SHORT CIRCUIT		X			X						
10	SMOKE DETECTOR DIRTY		X			X						
11	POOR/NO DEVICE RESPONSE		X			X						
12	REMOVAL OF DEVICE		X			X						
13	SPRINKLER TAMPER SWITCH CLOSED			X			X					

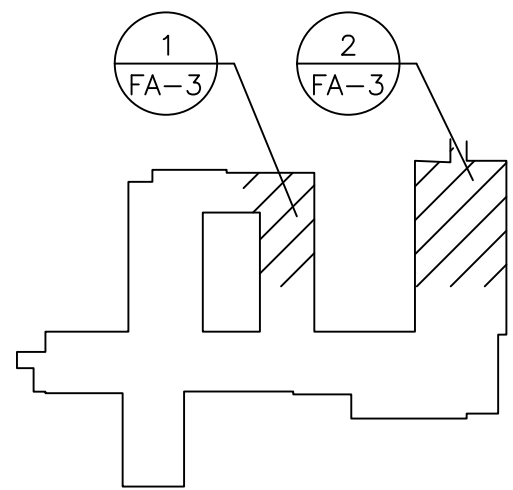
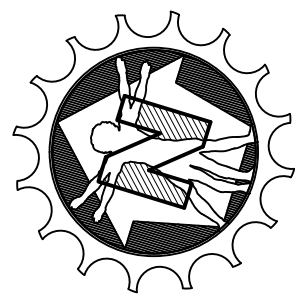
FIRE ALARM CONTROL UNIT (FACU) MATRIX

SYMBOL LEGEND

①	SMOKE DETECTOR (PHOTOELECTRIC)
P	MANUAL PULL STATION (DUAL ACTION 48" AFF)(KEYED)
☒	HORN/STROBE
☆	WHITE STROBE
###	DEVICE WITH ### CANDELA STROBE
◇W	FLOW SWITCH
◇T	TAMPER SWITCH
◇I	INTERFACE
E	EXISTING DEVICE

GENERAL NOTES

- SCOPE:
A DEMOLISH EXISTING DEVICES AND WIRING IN BASEMENT.
B PROVIDE NEW DETECTION DEVICES, NOTIFICATION DEVICES, AND WIRING IN BASEMENT.
C EXPAND EXISTING FIRE ALARM PANEL AS NEEDED TO ACCOMMODATE NEW DEVICES.
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- MINIMUM 3/4" CONDUIT SHALL BE USED FOR ALL DETECTION AND NOTIFICATION CIRCUITS. NOTIFICATION CIRCUITS SHALL BE A MINIMUM OF #12 AWG Cu CONDUCTORS AND DETECTION CIRCUITS SHALL BE A MINIMUM OF #18 AWG Cu CONDUCTORS.
- PROVIDE SPACE AGE ELECTRONICS #ELOCK-FA CIRCUIT BREAKER LOCK AND LABELING AT CIRCUIT BREAKER FEEDING FIRE ALARM PANEL.
- REFER TO PROJECT MANUAL FOR ADDITIONAL INFORMATION AND SPECIFICATIONS IN ADDITION TO THESE SHEETS.



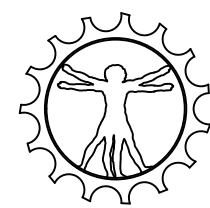
KEY PLAN BLDG 16

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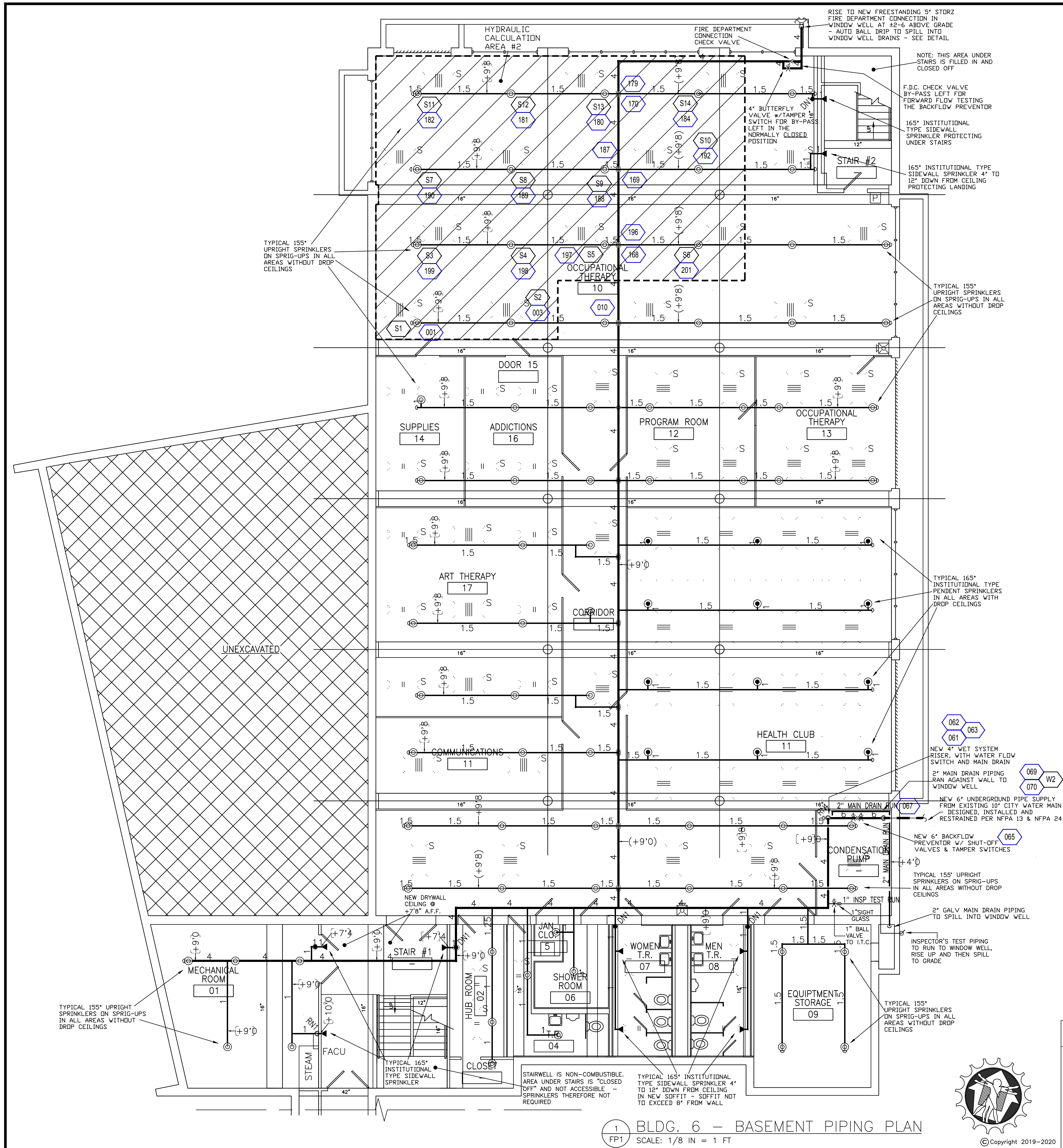
Sign: *Frank A. Vinciguerra*
Date: 6/16/2020

Quality
Engineered
By:



ROCK SOLID ENGINEERING
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REV.	6/16/20	PERMIT SET	ddf	FAV
REV.	DATE	DESCRIPTION	BY	CHK
 STATE OF NEW JERSEY DEPARTMENT OF THE TREASURY DIVISION OF PROPERTY MANAGEMENT AND CONSTRUCTION				
PROJECT		ANNCORPSYCHIATRIC HOSPITAL ANCORA, CAMDEN COUNTY, NJ FIRE PROTECTION UPGRADES		COMM. NO. M1524-00 DATE AUGUST 25, 2019
TITLE OF DWG.		BLDG. 16 BASEMENT FIRE ALARM PLAN		DWG. NO. FA-3
DWN. RGV	OK FAV	SCALE AS NOTED	PROJ. A/E 19046	REV. 5



2 BUILDING #6 WET SYSTEM RISER DETAIL

SCALE: 3/8" = 1'-0"

3 BUILDING #6 FIRE DEPT. CONNECTION DETAIL

SCALE: 3/8" = 1'-0"

SPRINKLER HEAD LEGEND

- NEW 155" QUICK RESPONSE 1/2" K=5.6 UPRIGHT SPRINKLER ON SPRIG UP
- NEW 165" QUICK RESPONSE 1/2" K=5.6 INSTITUTIONAL PENDENT SPRINKLER WITH CLOSURE ESCUTCHEON PLATE
- ▶ NEW 165" QUICK RESPONSE 1/2" K=5.6 INSTITUTIONAL SIDEWALL SPRINKLER WITH CLOSURE ESCUTCHEON PLATE

TYP. TRAPEZE DETAIL

SCALE: N.T.S.

TYP. HANGER DETAIL FOR CONCRETE CONSTRUCTION

SCALE: N.T.S.

4 POSSIBLE PIPE HANGER DETAILS

SCALE: N.T.S.

WATER FLOW INFORMATION

Source Information: W1	
Date of Flow Test / Info: 08/20/2019	
Location of flow test data: FIRE HYDRANTS # 21 & #24	
Source of flow test data: THE DA VINCI GROUP PERFORMED TEST	
Source Data Points	Pump Data Points
Pressure Flow	Pressure Flow
65.00 0.00	49.00 1062.00

HYDRAULIC CALCULATION NOTES REMOTE AREA 2

Calculation results for Design Area 2 - OCCUPATIONAL THERAPY

This system as shown on THE DA VINCI GROUP LLC company print no FP1 dated 9/24/19 for ANCORA HOSPITAL - BLDG 6 at 301 SPRING GARDEN ROAD, is designed to discharge at a rate of 0.10 gpm/ft² (L/min/m²) of floor area over a maximum area of 1500 ft² when supplied with water at a rate of 214.2 gpm at 21.7 psi at the base of the riser. Hose stream allowance of 100 gpm is included in the above.

Occupancy classification: LIGHT	Number of heads flowing: 14
Commodity classification: N/A	System Type: Wet
Maximum storage height: N/A	Maximum velocity: 8.8 ft/s
Storage arrangement: N/A	

Flow from In-Rack sprinklers:	0 gpm	Pressure Required at Source:	21.7 psi
Flow from Overhead sprinklers:	214.2 gpm	Pressure Available at Source:	63.3 psi
Flow from Inside Hoses:	0 gpm	Surplus Pressure at Source:	41.6 psi
Flow from Outside Hoses:	0 gpm		
Other fixed flows:	0 gpm		
Total flow in system piping:	214.2 gpm		
Additional flow at/beyond source:	100 gpm		
Total of all flows:	314.2 gpm		

○ DENOTES HYDRAULIC CALCULATION POINT

6/16/20	PERMIT SET	ddf	FAV
REV.	DATE	DESCRIPTION	BY

STATE OF NEW JERSEY
DEPARTMENT OF THE TREASURY
DIVISION OF PROPERTY MANAGEMENT AND CONSTRUCTION

PROJECT: ANCORA PSYCHIATRIC HOSPITAL, ANCORA, CAMDEN COUNTY, NJ
FIRE PROTECTION UPGRADES

TITLE OF DWG: BLDG. 6 BASEMENT PIPING PLAN
DWG. NO.: FP-1

DATE: AUGUST 25, 2019

DATE: 6/16/2020

Engr: Frank A. Vinciguerra PE
NJ Lic: 33304 MD Lic: 30011
PA Lic: 35356-E NY Lic: 080246-1
Seal

Sign: *Frank A. Vinciguerra*
Date: 6/16/2020

Quality Engineered By:

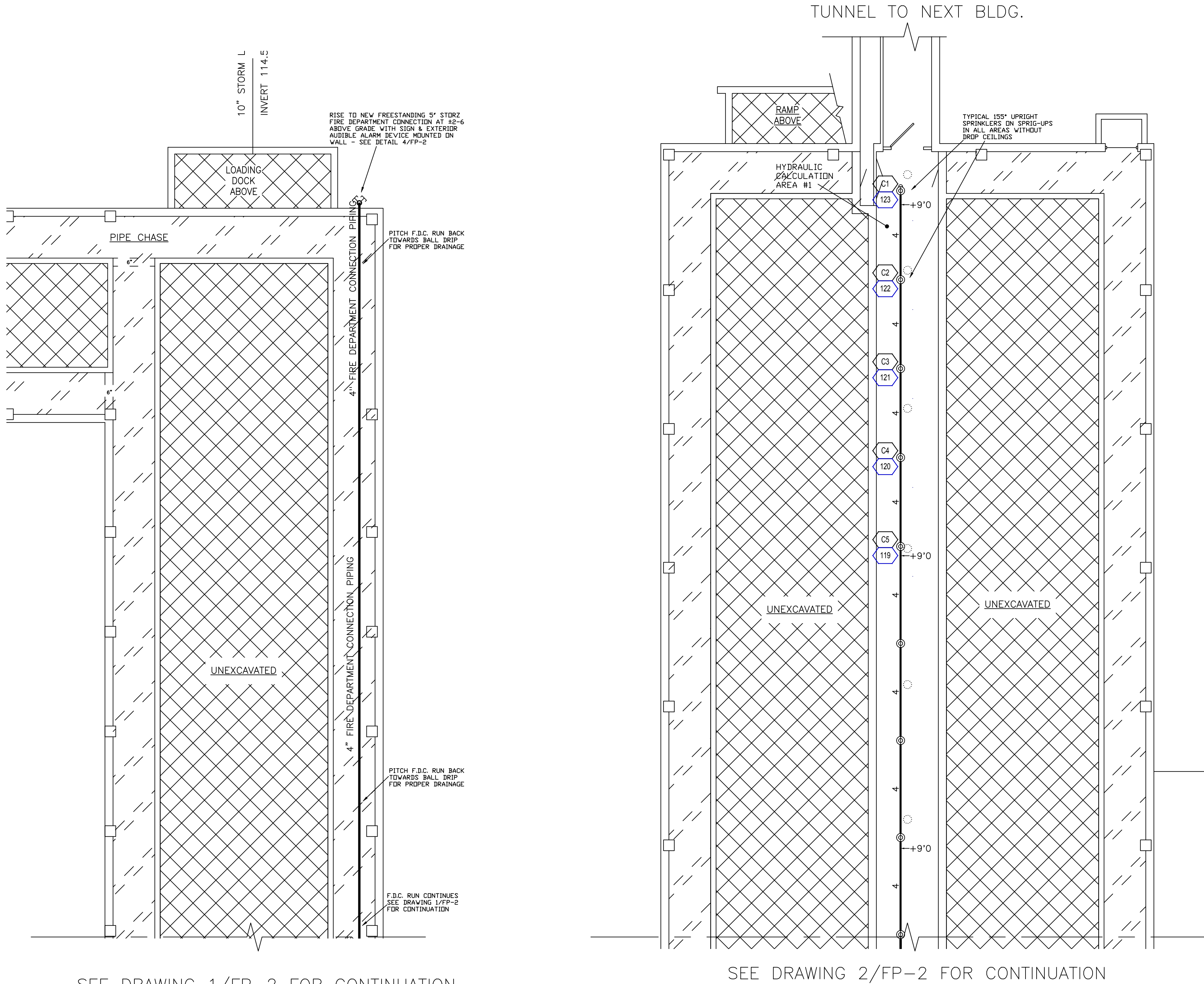
THE DA VINCI GROUP, LLC

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PRINT DATE & TIME: June 15, 2020 - 4:01 pm
FILE NAME: 19046 Xinf18.dwg

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FIRE PROTECTION NOTES

1. THE SCOPE OF WORK FOR THIS PROJECT IS TO INSTALL A NFPA 13 CODE COMPLIANT WET TYPE FIRE SPRINKLER SYSTEM INTO THE BASEMENT AREAS OF EXISTING BUILDINGS. THE SYSTEM IS TO BE CONSIDERED A PARTIAL SPRINKLER SYSTEM ONLY AND SHALL BE IN ACCORDANCE WITH NFPA 13 2016 PAR. # 4.2, 4.2.1 AND 4.2.2. SUPPLY MAINS SHALL BE SIZED FOR COMPLETE BUILDING PROTECTION/COVERAGE AND OUTLETS SHALL BE LEFT FOR FUTURE EXPANSION IF EVENTUALLY REQUIRED OR REQUESTED.
2. THE SCOPE OF WORK WILL ALSO INCLUDE INSTALLING A NEW 6" OR LARGER UNDERGROUND FIRE SERVICE LINE WITH SHUT-OFF VALVE AND CURB BOX, FROM THE CITY WATER SUPPLY TO FEED THE SYSTEM.
3. THE EXTENT OF THE WORK SHALL BE IN ACCORDANCE WITH NFPA 13 2016 EDITION, NFPA 24 CURRENT EDITION AND THE IBC 2018 NEW JERSEY EDITION, INCLUDING BUT NOT LIMITED TO, DESIGN, EQUIPMENT, COMPONENTS, INSTALLATION, RESTRAINT AND TESTING.
4. THE FIRE PROTECTION PLANS PROVIDED ARE FOR BID PURPOSES ONLY AND ARE DIAGRAMMATIC IN NATURE. THE INSTALLING CONTRACTOR IS TO PROVIDE ALL NECESSARY DESIGN AND HYDRAULIC CALCULATIONS FOR A COMPLETE AND CODE COMPLIANT SYSTEM. SPRINKLER HEAD LOCATIONS, PIPING LAYOUT AND CONFIGURATION, PIPE SIZES, PIPE HEIGHTS AND DIMENSIONS, AND OVERALL DESIGN ARE SHOWN FOR INFORMATION AND BID PURPOSES ONLY.
5. IT SHALL BE THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR TO VERIFY ACTUAL FIELD CONDITIONS OF CONSTRUCTION AND TO MAINTAIN CONFORMANCE TO THE REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION AND APPLICABLE CODES. THE FIRE PROTECTION CONTRACTOR IS TO FIELD VERIFY ALL DIMENSIONS, SIZES, CLEARANCES AND LOCATIONS PRIOR TO THE START OF WORK. WHEN CONFLICTS ARISE, MAKE ANY NECESSARY CHANGES TO ROUTING OF SPRINKLER PIPING AT NO ADDITIONAL COST. FINAL PIPE SIZES, HEIGHTS, CONFIGURATION AND LAYOUT TO BE DETERMINED AND COORDINATED BY INSTALLING CONTRACTOR IN RELATION TO EXISTING BUILDINGS AND SITE CONDITIONS.
6. THE FIRE PROTECTION CONTRACTOR SHALL SUBMIT PLANS, HYDRAULIC CALCULATIONS, AND PRODUCT CATALOG CUTS TO THE TOWNSHIP FIRE SUB CODE OFFICIAL, AND THE PROJECT ENGINEER. NO WORK IS TO START UNTIL THE FIRE PROTECTION CONTRACTOR RECEIVES AN APPROVAL FROM ALL PARTIES AND A FIRE PROTECTION PERMIT IS ISSUED BY THE LOCAL TOWNSHIP.
7. THE FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN CURRENT WATER FLOW TEST INFORMATION AND USE IT TO PERFORM THE NECESSARY HYDRAULIC CALCULATIONS.
8. THE FIRE PROTECTION CONTRACTOR SHALL FIRE CAULK ANY PENETRATIONS THRU FIRE RATED WALLS AND FLOORS. ANY PENETRATIONS THRU BELOW GRADE MASONRY WALLS SHALL BE SEALED WITH INNERLYNX SEALS AND WATERPROOF CAULK.
9. PENDENT SPRINKLERS ARE TO BE USED IN AREAS OF DROP CEILING AND SHALL BE INSTITUTIONAL TYPE WITH CLOSURE ESCUTCHEON PLATE. TYPE, FINISH, ETC SHALL BE APPROVED BY OWNER, ARCHITECT AND/OR PROFESSIONAL ENGINEER PRIOR TO INSTALLATION
10. UPRIGHT SPRINKLERS ON 1" SPRIG UPS ARE TO BE USED IN AREAS WITHOUT DROP CEILINGS AND SHALL BE IN ACCORDANCE WITH NFPA 13 REQUIREMENTS. SPRIG UPS ARE REQUIRED FOR POSSIBLE FUTURE FIT-OUTS.
11. SIDEWALL SPRINKLERS ARE ACCEPTABLE FOR USED IN ACCORDANCE WITH NFPA 13 REQUIREMENTS.
12. THE USE OF EXTENDED COVERAGE ORDINARY HAZARD SPRINKLERS IS ALSO ACCEPTABLE AND MUST BE IN ACCORDANCE WITH NFPA 13 REQUIREMENTS AND THE MANUFACTURER'S DATA SHEETS AND CRITERIA.
13. LIGHT HAZARD AREAS SHALL BE CALCULATED AT A .10 DENSITY. ORDINARY HAZARD AREAS SHALL BE CALCULATED AT A .15 DENSITY. THE REMOTE AREA SHALL BE 1500 SQUARE FEET. REDUCTION IN THE REMOTE AREA IS ACCEPTABLE FOR QUICK RESPONSE SPRINKLERS AS PER NFPA 13 PARAGRAPH 11.2.3.2.3. ROOM DESIGN METHOD PER NFPA 13 PARAGRAPH 11.2.3.3.6 FOR CORRIDORS IS ALSO ACCEPTABLE. APPROPRIATE HOSE ALLOWANCE SHALL BE INCLUDED AS PER NFPA 13.
14. LIGHT HAZARD AREAS SHALL INCLUDE THERAPY ROOMS, OFFICES, BATHROOMS, SHOWER ROOMS HALLWAYS, ETC. AND SHALL BE PROTECTED AS PER NFPA 13. ORDINARY HAZARD GROUP-I AREAS SHALL INCLUDE MECHANICAL ROOMS, STORAGE ROOMS, SUPPLY CLOSETS, CORRIDORS IN BLDG #16 ETC. AND SHALL BE PROTECTED AS PER NFPA 13.
15. ALL PIPE SHALL BE IN ACCORDANCE WITH NFPA 13, SECTION 6.3. THREADED PIPING SHALL BE USED FOR PIPE 1" TO 2". GROOVED PIPING SHALL BE ACCEPTABLE FOR PIPE 1 1/2" AND LARGER.
16. ALL THREADED PIPE SHALL BE BLACK STEEL SCH 40 WITH MIC COATING. ALL GROOVED END PIPE SHALL BE BLACK STEEL SCH 10 WITH MIC COATING.
17. ALL GROOVED, THREADED, & FLANGED FITTINGS SHALL BE IN ACCORDANCE WITH NFPA 13, SECTION 6.4 SCREWED FITTINGS TO BE STANDARD BLACK CAST IRON CLASS 125
18. JOINING OF ABOVE GROUND PIPE AND FITTINGS SHALL BE IN ACCORDANCE WITH NFPA 13, SECTION 6.5. JOINING OF UNDERGROUND PIPING SHALL BE IN ACCORDANCE WITH NFPA 13 SECTION 10.3.
19. THE FIRE DEPARTMENT CONNECTION TYPE, SIZE AND FINAL LOCATION SHALL BE COORDINATED WITH AND APPROVED BY LOCAL FIRE DEPARTMENT
20. THE NEW DUCTILE IRON FIRE SERVICE LINE SHALL BE IN ACCORDANCE WITH NFPA 13, CHAPTER 10 AND NFPA 24. THE NEW SERVICE LINE SHALL BE CONNECTED TO AND TAPPED OFF FROM AN APPROPRIATELY SIZED EXISTING CITY WATER MAIN. COORDINATION WITH AND PROPER APPROVAL FROM THE AHJ AND LOCAL WATER COMPANY/MUA SHALL BE OBTAINED PRIOR TO WORK.
21. WIRING OF THE OUTDOOR ELECTRIC BELL OR OTHER ACCEPTABLE AUDIBLE ALARM DEVICE, TAMPER SWITCHES, AND WATER FLOW SWITCH TO THE EXISTING FIRE ALARM SYSTEM PANEL IS REQUIRED AND SHALL BE INCLUDED IN BID PRICE.
22. ANY STRUCTURAL LOADS IMPOSED BY THE SPRINKLER SYSTEM TO THE BUILDING ARE TO BE EVALUATED BY THE CONTRACTOR'S INDEPENDENT STRUCTURAL ENGINEER AND ARE NOT PART OF THE SCOPE OF THIS DESIGN PROFESSIONAL.

SEE DRAWING 1/FP-2 FOR CONTINUATION

SEE DRAWING 2/FP-2 FOR CONTINUATION

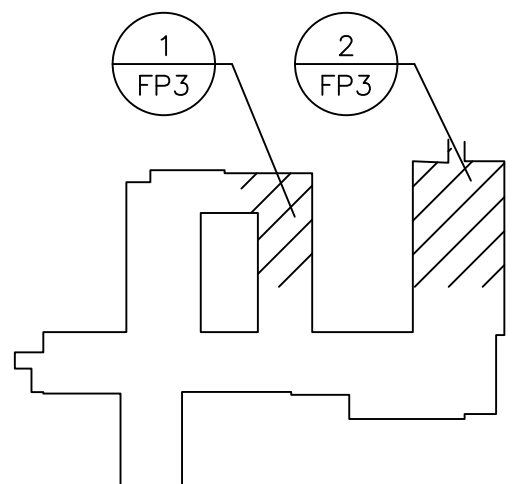
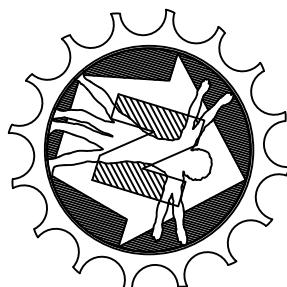
1 BLDG. 16 — PARTIAL BASEMENT PIPING PLAN
FP3 SCALE: 1/8 IN = 1 FT

2 BLDG. 16 — PARTIAL BASEMENT PIPING PLAN
FP3 SCALE: 1/8 IN = 1 FT

HYDRAULIC CALCULATION NOTES REMOTE AREA 1			
Calculation results for Design Area 1 — BASEMENT CORRIDOR			
This system as shown on THE DA VINCI GROUP LLC company print no FP-2 & FP-3 dated 9/24/19 for ANCORA HOSPITAL - BLDG 16 at 301 SPRING GARDEN ROAD contract no 19046 is designed to discharge at a rate of 0.15 _____ gpm/ft ² (L/min/m ²) of floor area over a maximum area of 5 ft ² when supplied with water at a rate of 97.5 gpm at 24.4 psi at the base of the riser. Hose stream allowance of 250 _____ is included in the above.			
Occupancy classification: OSD, GRP 1	Number of heads flowing: 5	System Type: Wet	
Commodity classification: N/A	Maximum storage height: N/A	Maximum velocity: 7.25 ft/s	
Storage arrangement: N/A			
Flow from In-Rack sprinklers: 0 gpm	Pressure Required at Source: 24.4 psi		
Flow from Overhead sprinklers: 97.5 gpm	Pressure Available at Source: 59.7 psi		
Flow from Inside Hoses: 0 gpm	Surplus Pressure at Source: 35.4 psi		
Flow from Outside Hoses: 0 gpm			
Other fixed flows: 0 gpm			
Total flow in system piping: 97.5 gpm			
Additional flow at/beyond source: 250 gpm			
Total of all flows: 347.5 gpm			

WATER FLOW INFORMATION

Source Information	W1
Date of Flow Test / Info	08/20/2019
Location of flow test data	FIRE HYDRANTS # 22 & #21
Source of flow test data	THE DA VINCI GROUP PERFORMED TEST
Source Data Points	Pump Data Points
Pressure / Flow	Pressure / Flow
63.00 0.00	
46.00 844.00	



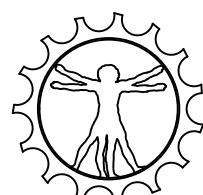
KEY PLAN BLDG 16

SPRINKLER HEAD LEGEND

- STANDARD COVERAGE QUICK RESPONSE 155° K=5.6 1/2" NPT BRASS UPRIGHT ON SPRIG UP WITH DEFLECTOR PER NFPA 13 REQUIREMENTS

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GROUP, LLC

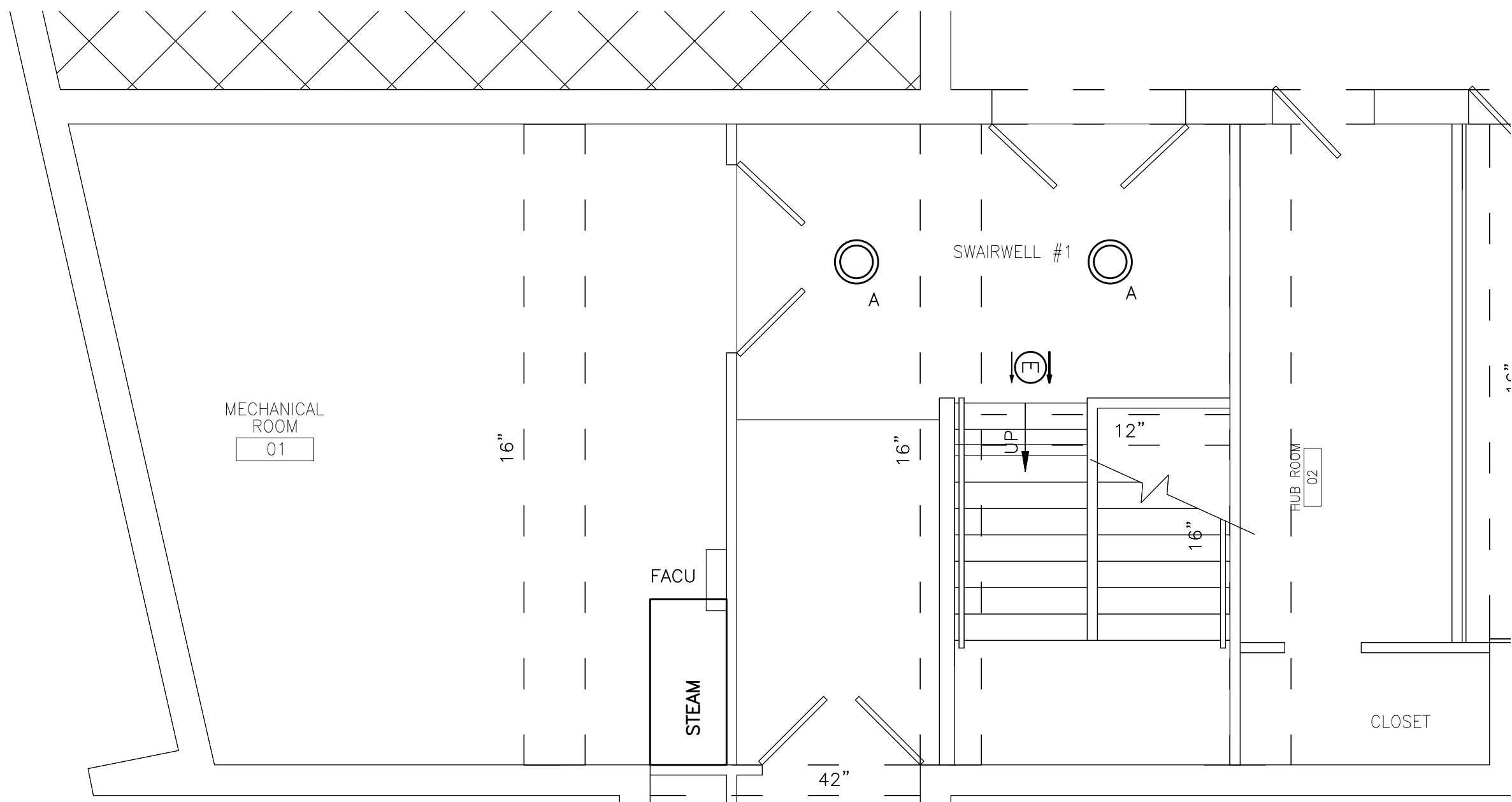
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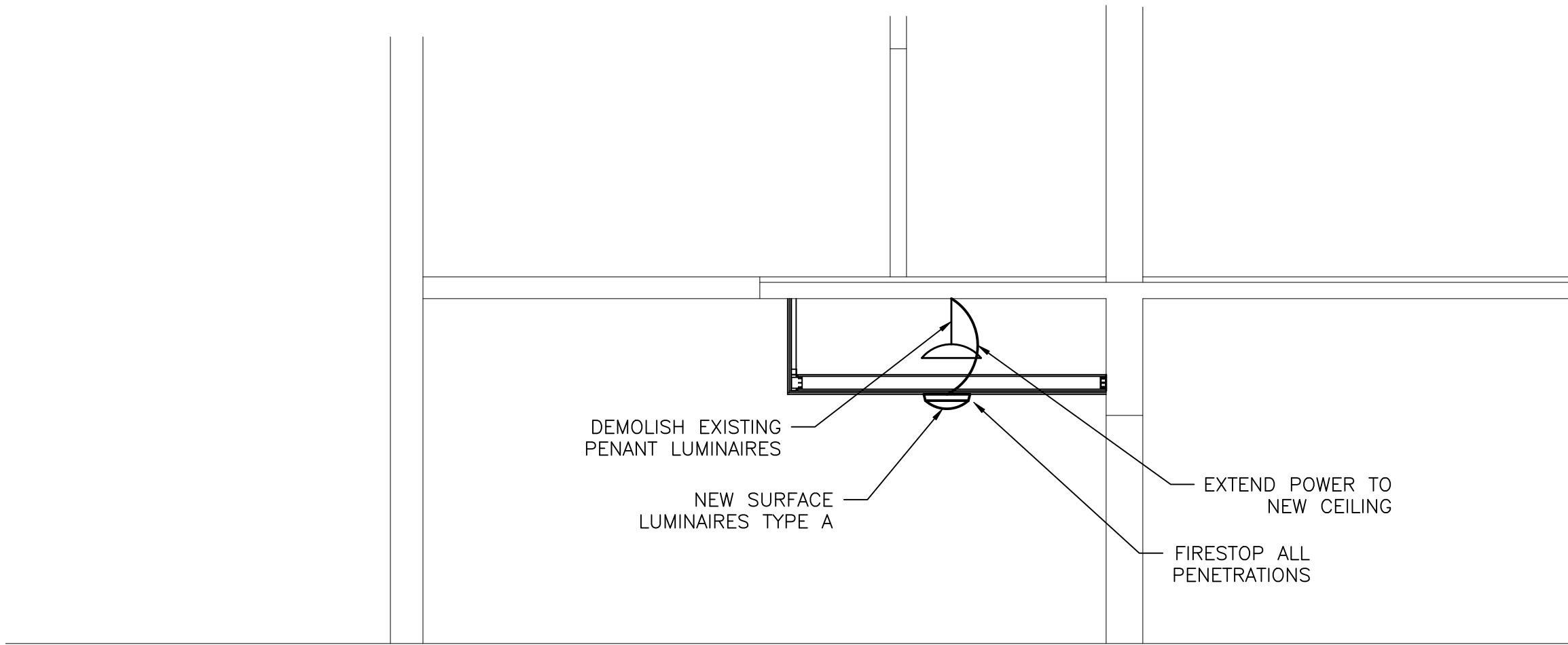
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Sign:
Date: 6/16/2020

—	6/16/20	PERMIT SET	ddf	FAV
REV.	DATE	DESCRIPTION	BY	CHK
STATE OF NEW JERSEY DEPARTMENT OF THE TREASURY DIVISION OF PROPERTY MANAGEMENT AND CONSTRUCTION				
PROJECT		ANCORA PSYCHIATRIC HOSPITAL ANCORA, CAMDEN COUNTY, NJ FIRE PROTECTION UPGRADES		COMM. NO. M1524-00
TITLE OF DWG.		BLDG. 16 BASEMENT PIPING PLAN		DWG. NO. FP-3
DWG. RGV	OK FAV	SCALE AS NOTED	PROJ. A/E 19046	REV. 5



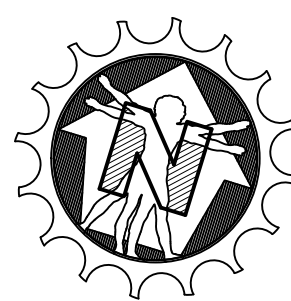
1 BLDG. 6 — STAIRWELL LIGHTING PLAN
E-1 SCALE: 1/4 IN = 1 FT



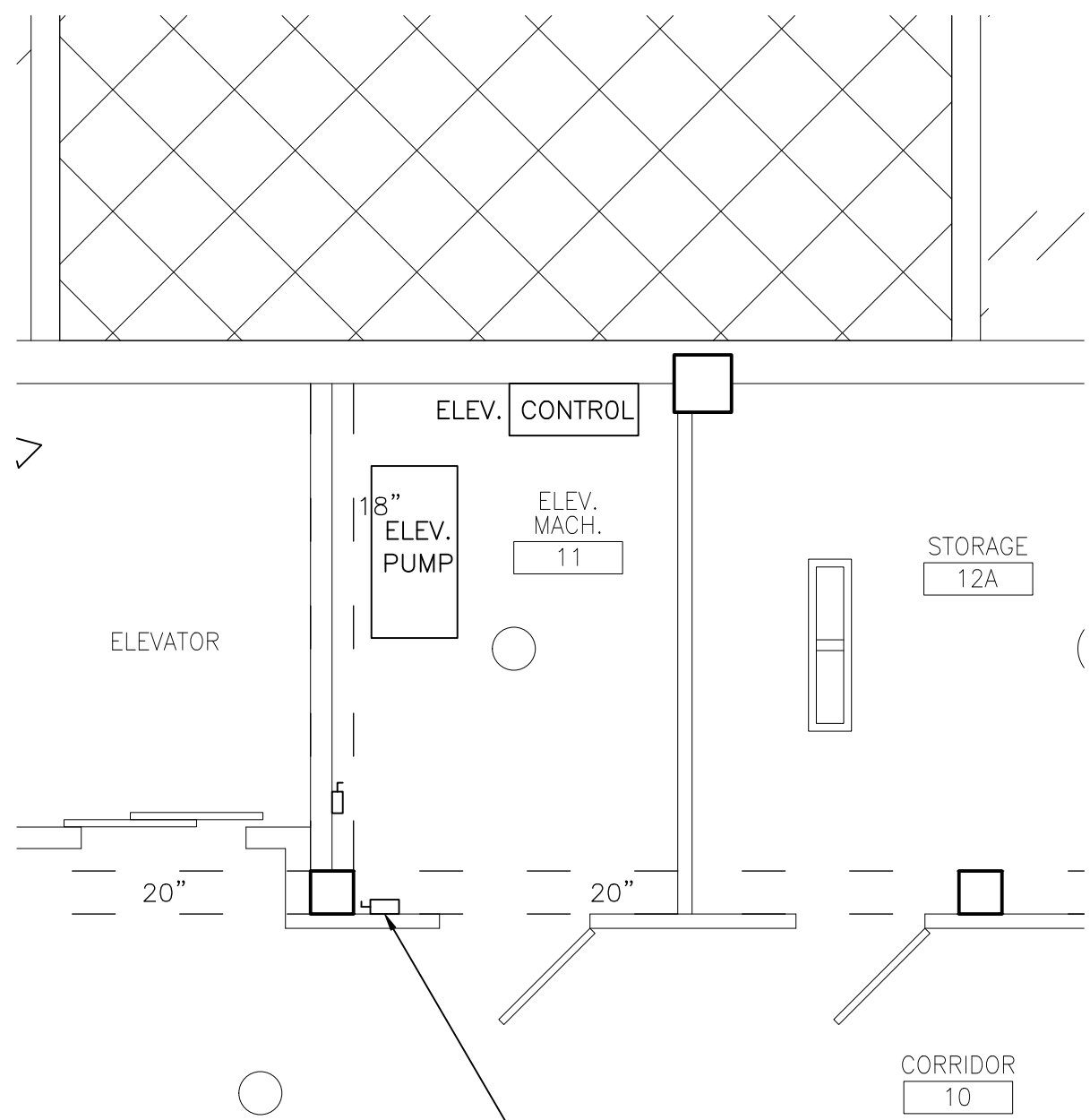
2 BLDG. 6 — STAIRWELL SECTION
E-1 SCALE: 1/2 IN = 1 FT

LUMINAIRE SCHEDULE

TYPE	SYMBOL	DESCRIPTION	MFG. & MODEL NO.	WATTS/VOLTS
A		LED ROUND	KENALL #MR17FL APP FG 25L35K DV	25/U
X		LED EXIT	KENALL #MMEX 1 0 R DT 2 EL	0.69/120

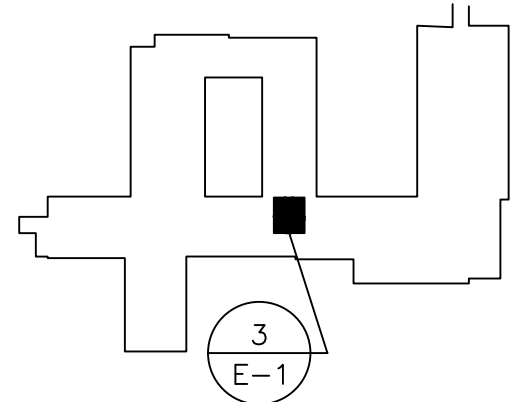
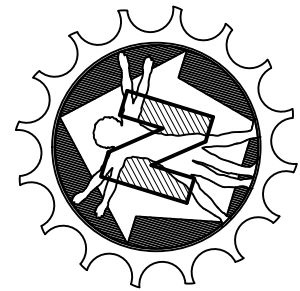


1&2 BLDG. 6 — KEY PLAN
E-1 SCALE: 1/2 IN = 1 FT

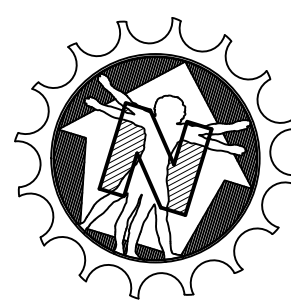


REPLACE EXISTING ELEVATOR DISCONNECT SWITCH WITH A MERSEN FUSED SHUNT TRIP DISCONNECT SWITCH, MODEL ES 6 T20 R1 K G N1 C 3.

3 BLDG. 16 — PARTIAL BASEMENT ELEC. PLAN
E-1 SCALE: 1/4 IN = 1 FT



KEY PLAN BLDG 16

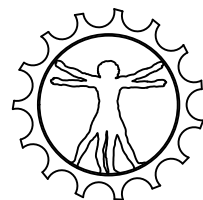


1&2 BLDG. 6 — KEY PLAN
E-1 SCALE: 1/2 IN = 1 FT

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Seal

Sign:
Date: 6/16/2020

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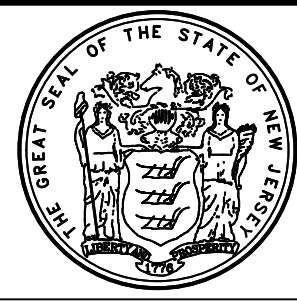


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STATE OF NEW JERSEY
DEPARTMENT OF THE TREASURY
DIVISION OF PROPERTY MANAGEMENT
AND CONSTRUCTION

PROJECT
ANCORA PSYCHIATRIC HOSPITAL
ANCORA, CAMDEN COUNTY, NJ
FIRE PROTECTION
UPGRADES

TITLE OF DWG.
BLDG. 6 AND BLDG. 16 ELECTRICAL PLAN

DWN. RGV OK FAV SCALE AS NOTED PROJ. A/E 19046 REV. 5

COMM. NO.
M1524-00
DATE
AUGUST 25, 2019

DWG. NO.
E-1

REV. 5