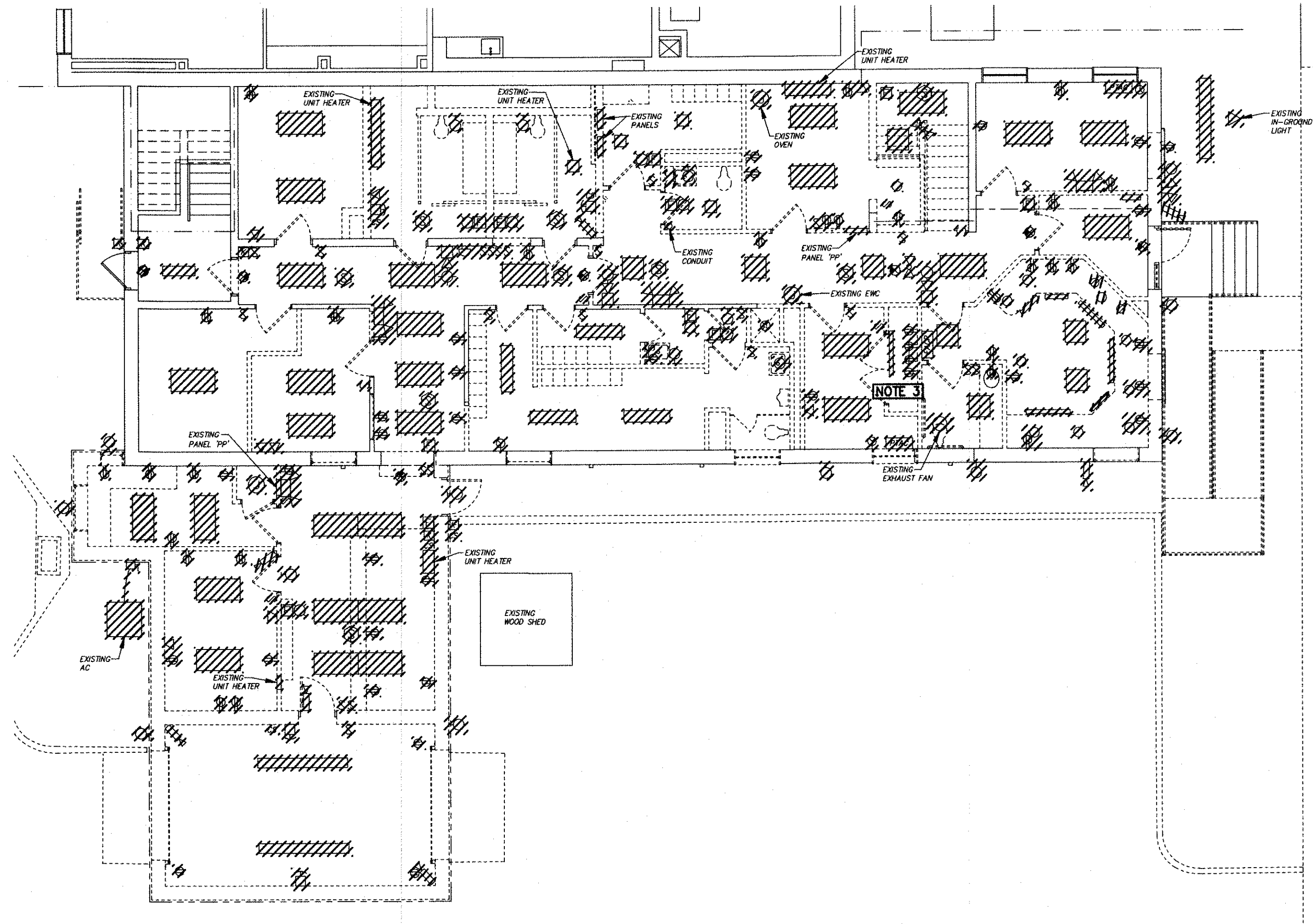




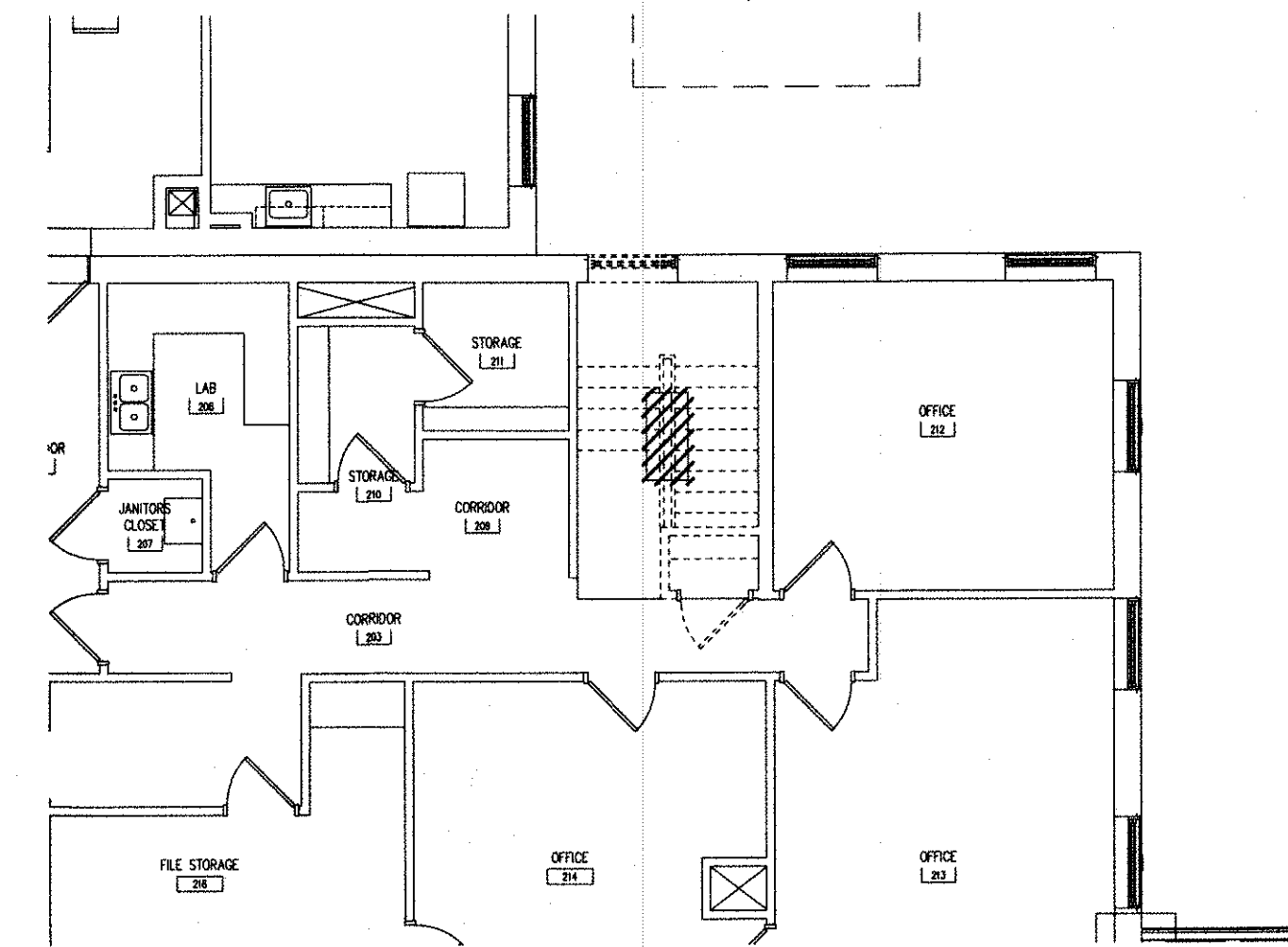
**REMINGTON, VERNICK
& WALBERG ENGINEERS**
4907 NEW JERSEY AVENUE
WILDWOOD CITY, N.J. 08260
(800) 522-5150, FAX (800) 522-5313
WEB SITE ADDRESS : WWW.RVE.COM
Certification of Authorization: 24 GA 28048700
-ENGINEERING EXCELLENCE SINCE 1901-

DATE:
EDWARD J. WALBERG
NJ PROFESSIONAL ENGINEER LIC. No. 37259

Christopher A. Saponaro
DATE: *08-22-17*
CHRISTOPHER A. SAPONARO
NJ PROFESSIONAL ENGINEER LIC. No. 40059



ELECTRICAL DEMOLITION FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"



PARTIAL ELECTRICAL DEMOLITION SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"

NOTES:

1. ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING E-1.0 APPLY TO THIS DRAWING.
2. THIS DEMOLITION PLAN HAS BEEN PROVIDED AS A GUIDE. HOWEVER, ALL DEMOLITION REQUIRED TO SUCCESSFULLY COMPLETE THIS PROJECT SHALL BE INCLUDED IN THE SCOPE OF WORK. IT IS THE INTENT OF THE PLANS AND SPECIFICATIONS TO SECURE A COMPLETELY INTERCONNECTED AND FUNCTIONING SYSTEM AND IF ANY WORKMANSHIP OR MATERIALS ARE REQUIRED WHICH ARE OBVIOUSLY NECESSARY TO CARRY OUT THE FULL INTENT AND MEANING OF THE PLANS AND SPECIFICATIONS OR TO BE REASONABLY INFERRED THEREFROM, THE COST OF SUCH WORKMANSHIP OR MATERIALS SHALL BE INCLUDED IN THE SCOPE OF WORK.
3. RELOCATE EXISTING RADIOS AND COMMUNICATION EQUIPMENT TO MAIN SERVER 113.

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.

ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES 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 EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO REMINGTON & VERNICK ENGINEERS AND AFFILIATES. OWNER SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON & VERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

NO.	REVISION	DATE	BY

**ELECTRICAL DEMOLITION FIRST AND
PARTIAL SECOND FLOOR PLANS**

STONE HARBOR POLICE STATION
SINGLE STORY EXPANSION

BOROUGH OF STONE HARBOR
CAPE MAY COUNTY
NEW JERSEY

DRAWN BY: S.M.	DESIGNED BY: B.G.	CHECKED BY: <i>[Signature]</i>	SCALE: AS NOTED
DATE: 8/2017	SHEET No.:	E-11	
JOB No.:	05-10-U-072.1		

ISSUED FOR BID
DATE: 08-26-2017



REMINGTON, VERNICK & WALBERG ENGINEERS
 4907 NEW JERSEY AVENUE
 WILDWOOD CITY, N.J. 08280
 (800) 522-5150, FAX (800) 522-5313
 WEB SITE ADDRESS : WWW.RVE.COM
 Certification of Authorization: 24 GA 29048700
 -ENGINEERING EXCELLENCE SINCE 1901-

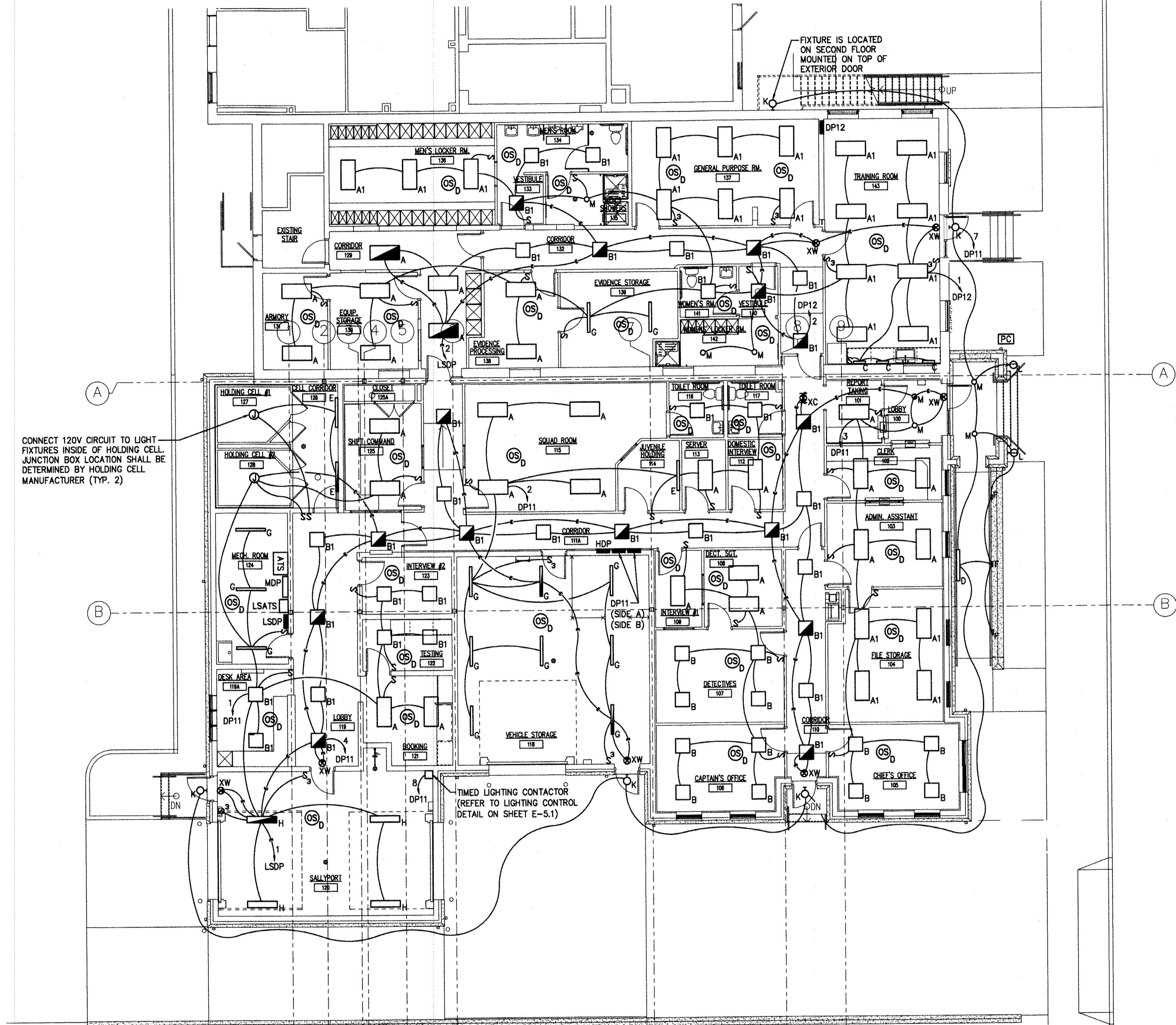
DATE: _____
EDWARD J. WALBERG
 NJ PROFESSIONAL ENGINEER LIC. No. 37259
Christopher A. Saponaro
 DATE: 05-22-17
CHRISTOPHER A. SAPONARO
 NJ PROFESSIONAL ENGINEER LIC. No. 40059

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.
 ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES 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 EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO REMINGTON & VERNICK ENGINEERS AND AFFILIATES. OWNER SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON & VERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

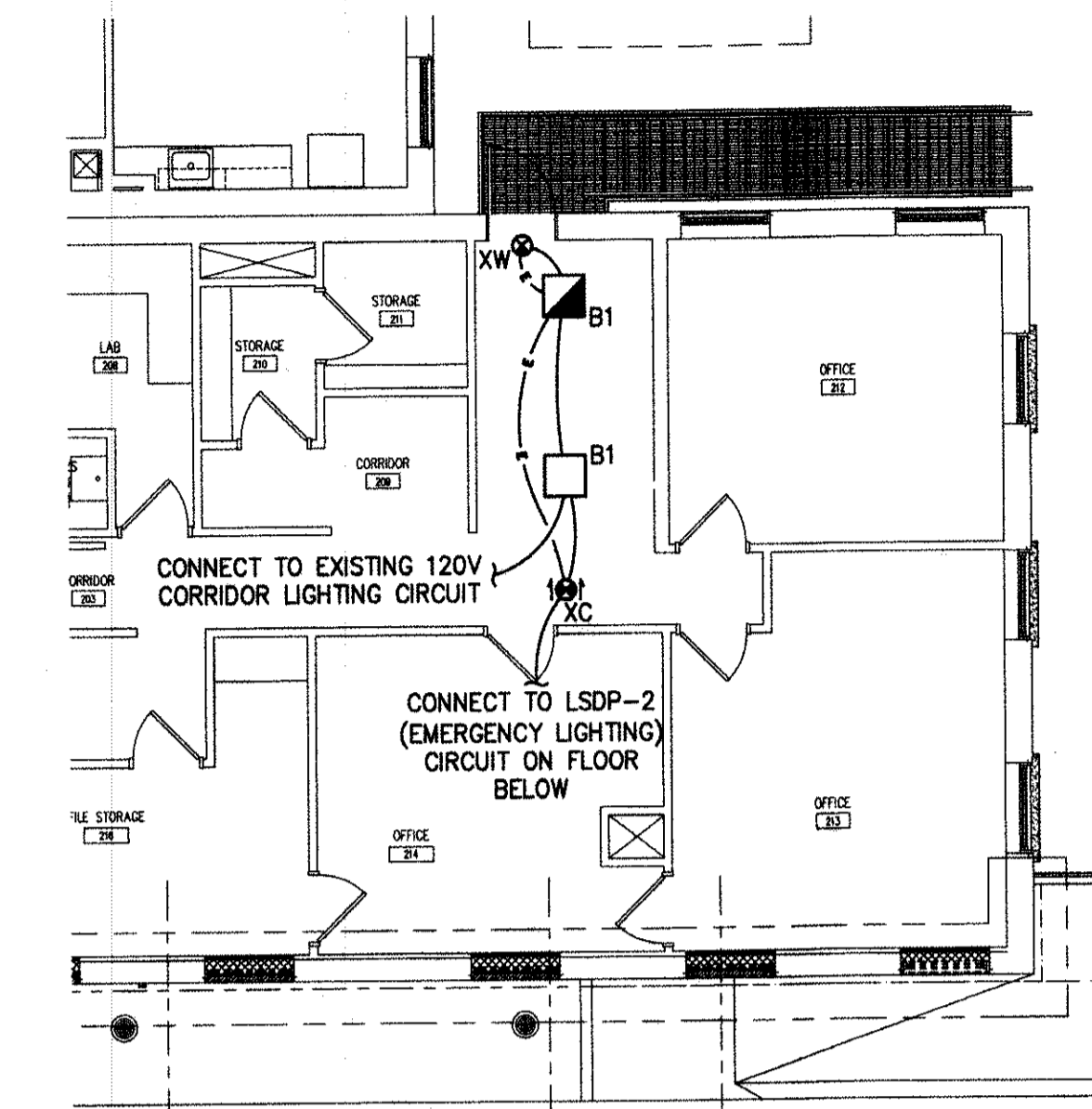
NO.	REVISION	DATE	BY	CHK

ELECTRICAL LIGHTING FIRST AND PARTIAL SECOND FLOOR PLANS
 STONE HARBOR POLICE STATION SINGLE STORY EXPANSION
 CAPE MAY COUNTY NEW JERSEY
 BOROUGHS OF STONE HARBOR

DESIGNED BY: S.M.	DRAWN BY: B.G.	SCALE: AS NOTED
DATE: 8/2017	SHEET No.:	
05-10-U-072.1	E-21	



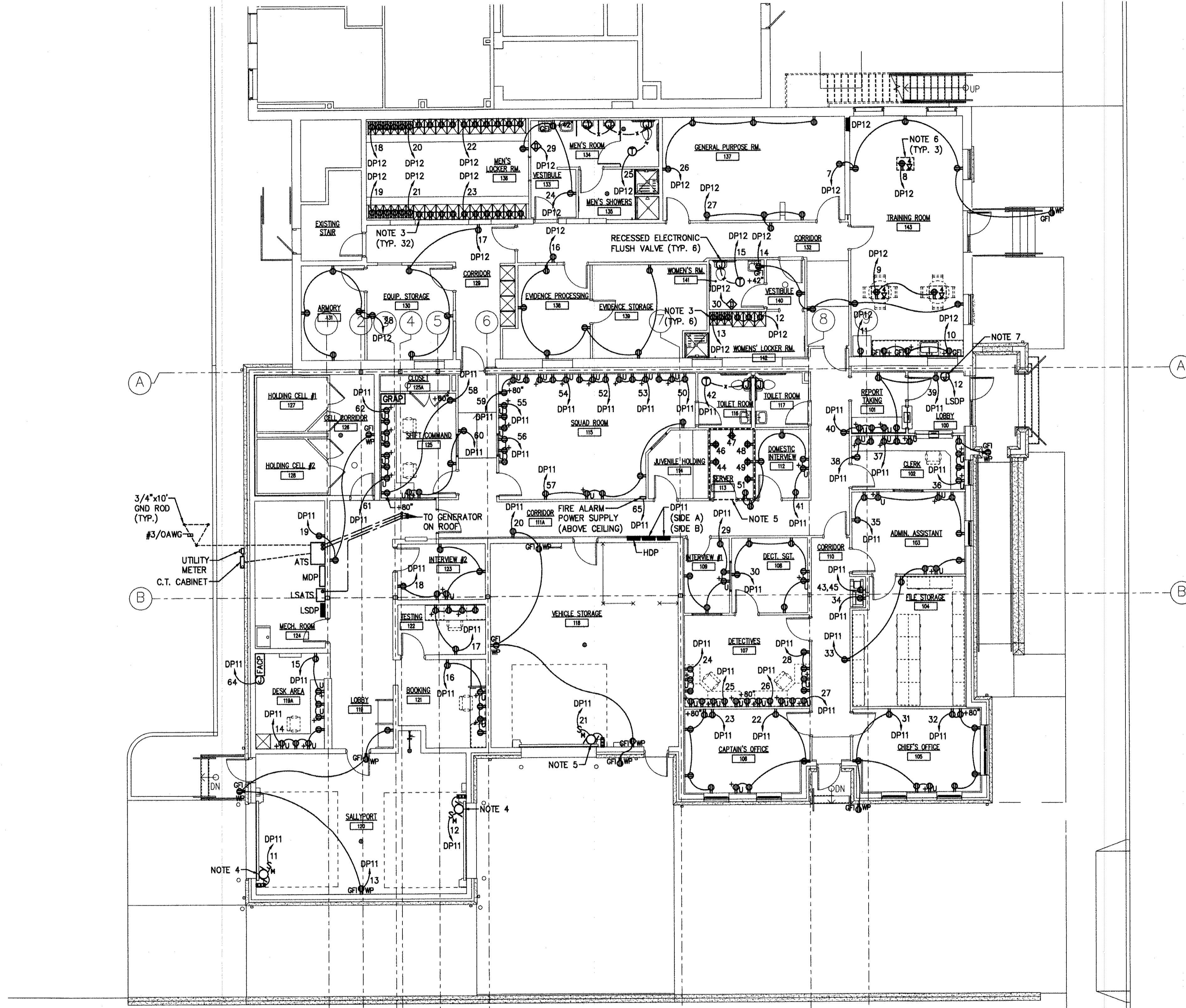
ELECTRICAL LIGHTING FIRST FLOOR PLAN
 SCALE: 1/8" = 1'-0"



PARTIAL ELECTRICAL LIGHTING SECOND FLOOR PLAN
 SCALE: 1/8" = 1'-0"

NOTES:
 1. ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING E-1.0 APPLY TO THIS DRAWING.
 2. THIS DRAWING IS DIAGRAMMATIC, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM EXISTING SITE CONDITIONS AND INSTALLATION CLEARANCES PRIOR TO SHOP DRAWING SUBMISSIONS AND INSTALLATION. SHOULD THE CONTRACTOR DETERMINE THAT THE INSTALLATION OF ANY ELECTRICAL COMPONENT IS RESTRICTED OR NOT ABLE TO BE INSTALLED IN THE SUGGESTED LOCATION THE CONTRACTOR SHALL READDRESS THE INSTALLATION ACCORDINGLY AND IN COMPLIANCE WITH NEC2014, AT NO ADDITIONAL COST.

ISSUED FOR BID
 DATE 05-20-2017



ELECTRICAL POWER FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

NOTES:

1. ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING E-1.0 APPLY TO THIS DRAWING.
2. THIS DRAWING IS DIAGRAMMATIC. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM EXISTING SITE CONDITIONS AND INSTALLATION CLEARANCES PRIOR TO SHOP DRAWING SUBMISSIONS AND INSTALLATION. SHOULD THE CONTRACTOR DETERMINE THAT THE INSTALLATION OF ANY ELECTRICAL COMPONENT IS RESTRICTED OR NOT ABLE TO BE INSTALLED IN THE SUGGESTED LOCATION THE CONTRACTOR SHALL READDRESS THE INSTALLATION ACCORDINGLY AND IN COMPLIANCE WITH NEC2014, AT NO ADDITIONAL COST.
3. MOUNT RECEPTACLES WITHIN LOCKERS.
4. INTEGRATE WITH WIRELESS ENTRY CONTROLLER TO ALLOW VEHICLE ACCESS.
5. ALL QUADRAPLEX RECEPTACLES IN SERVER 113 SHALL BE WIRED TO PANEL 'DP11'.
6. PROVIDE MIN. 2 HOUR UL FIRE RATED, LEGRAND EVOLUTION SERIES 10" POKE THRU DEVICE OR APPROVED EQUAL.
7. PROVIDE POWER FOR EMERGENCY CALL BOX.

ISSUED FOR BID
DATE: 08-28-2017



REMINGTON, VERNICK & WALBERG ENGINEERS
4907 NEW JERSEY AVENUE
WILDWOOD CITY, N.J. 08280
(800) 522-5150, FAX (800) 522-5313
WEB SITE ADDRESS : WWW.RVW.COM
Certification of Authorization: 24 GA 28048700
-ENGINEERING EXCELLENCE SINCE 1901-

DATE:
EDWARD J. WALBERG
NJ PROFESSIONAL ENGINEER LIC. No. 37259

Christopher A. Saponaro
DATE: 08-22-17
CHRISTOPHER A. SAPONARO
NJ PROFESSIONAL ENGINEER LIC. No. 40059

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.

ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES 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 EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES FOR THE SPECIFIC PROJECT INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO REMINGTON & VERNICK ENGINEERS AND AFFILIATES. AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON & VERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

NO.	REVISION	DATE	BY

ELECTRICAL POWER FIRST FLOOR PLAN

STONE HARBOR POLICE STATION
SINGLE STORY EXPANSION

BOROUGH OF STONE HARBOR
CAPE MAY COUNTY
NEW JERSEY

DRAWN BY: B.M. DESIGN BY: B.G. CHECKED BY: SCALE: AS NOTED
DATE: 8/20/17 SHEET No.: E-31
JOB No.: 05-10-U-072.1



REMINGTON, VERNICK & WALBERG ENGINEERS
 4907 NEW JERSEY AVENUE
 WILDWOOD CITY, N.J. 08260
 (809) 522-5150, FAX (809) 522-8313
 WWW.RVW.COM
 CERTIFICATE OF AUTHORIZATION: 24 CA 28848700
 ENGINEERING EXCELLENCE SINCE 1901

DATE: 05-22-17
EDWARD J. WALBERG
 NJ PROFESSIONAL ENGINEER LIC. No. 37259

DATE: 05-22-17
Christopher A. Saponaro
CHRISTOPHER A. SAPONARO
 NJ PROFESSIONAL ENGINEER LIC. No. 40059

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.

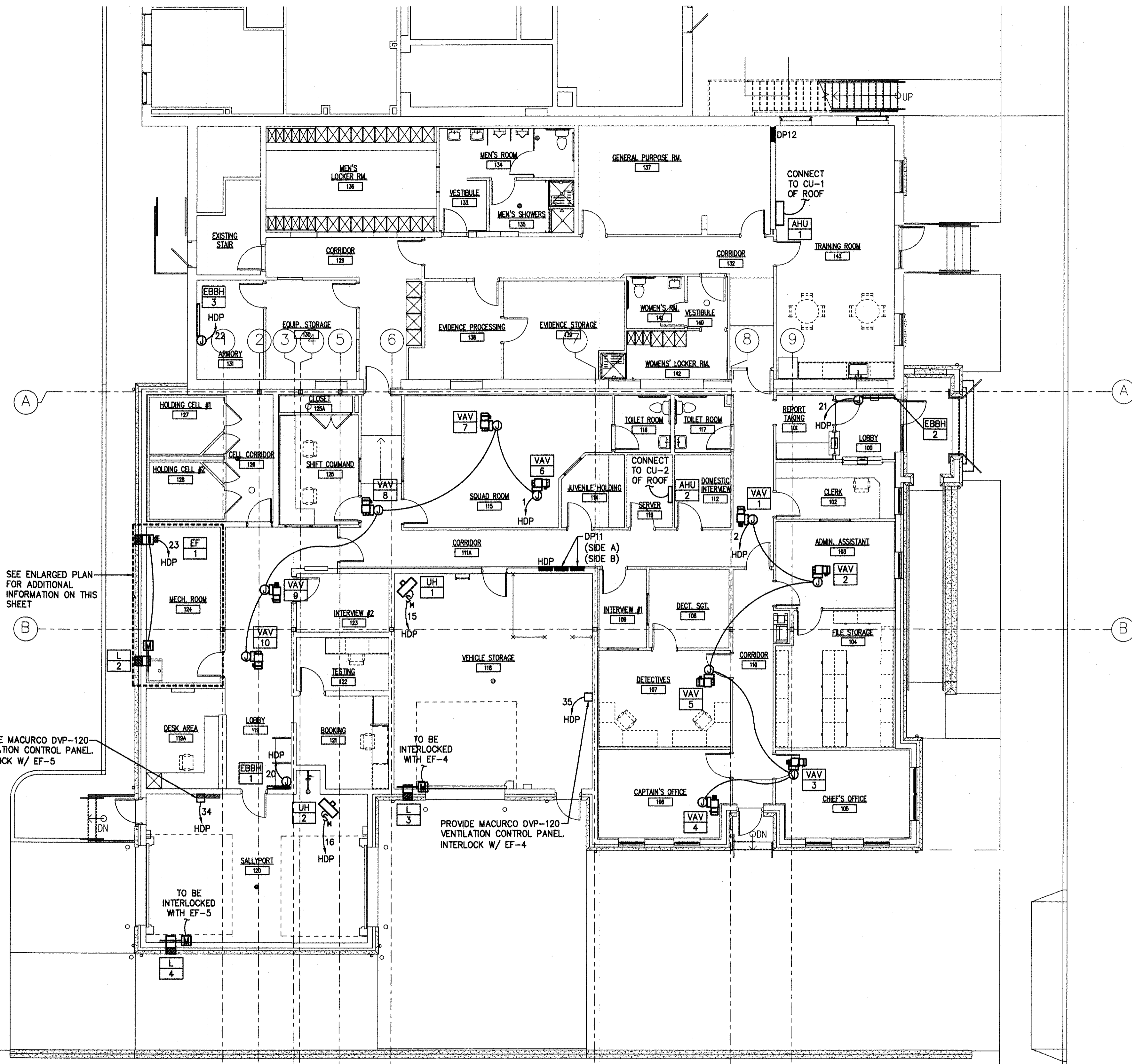
ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS ON EXTENSION OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR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

NO.	REVISION	DATE	CHK

ELECTRICAL HVAC POWER FIRST AND ENLARGED BOILER ROOM FLOOR PLANS

STONE HARBOR POLICE STATION
 SINGLE STORY EXPANSION

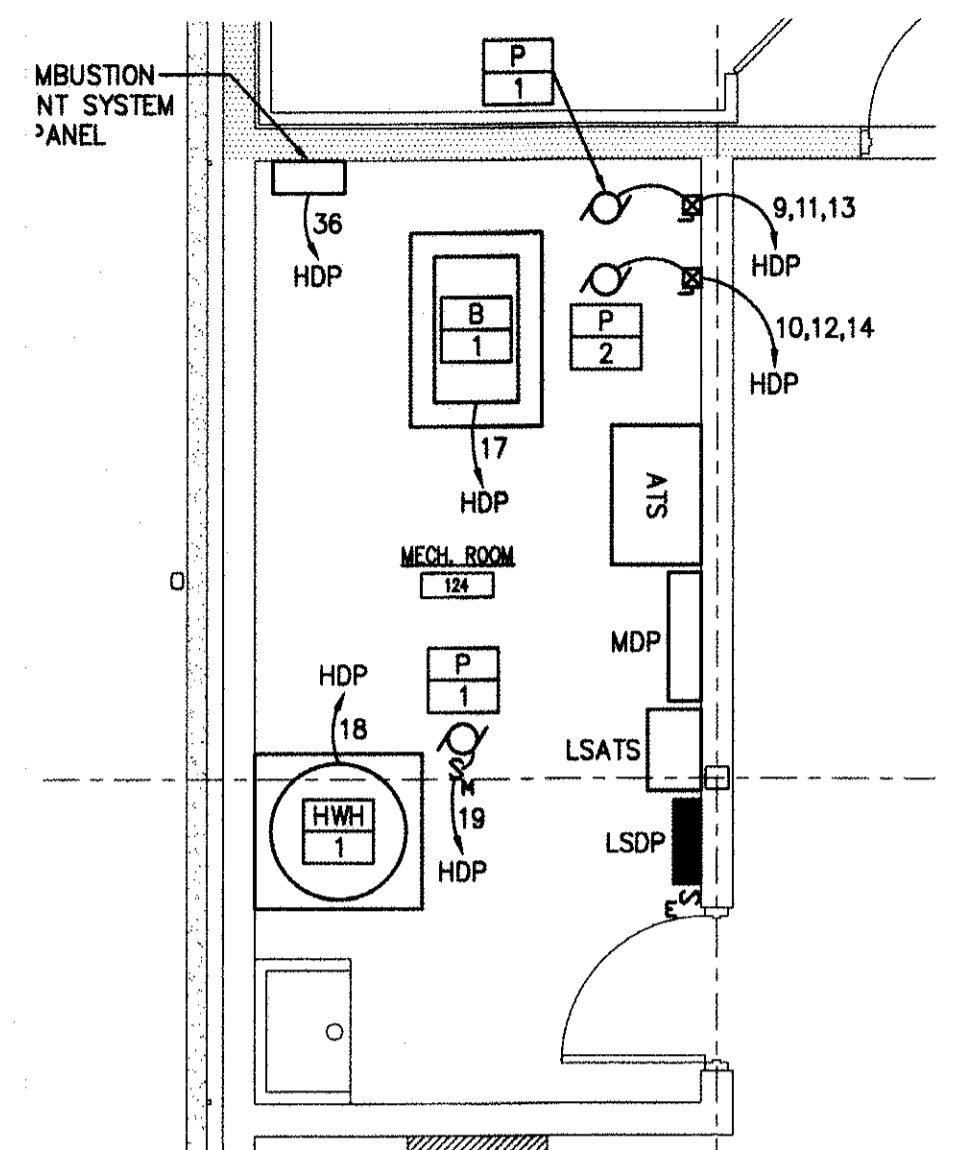
BOROUGH OF STONE HARBOR CAPE MAY COUNTY NEW JERSEY



SEE ENLARGED PLAN FOR ADDITIONAL INFORMATION ON THIS SHEET

PROVIDE MACURCO DVP-120 VENTILATION CONTROL PANEL INTERLOCK W/ EF-5

ELECTRICAL HVAC POWER FIRST FLOOR PLAN
 SCALE: 1/8" = 1'-0"



ELECTRICAL ENLARGED BOILER ROOM HVAC POWER FLOOR PLAN
 SCALE: 1/4" = 1'-0"

- NOTES:**
- ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING E-1.0 APPLY TO THIS DRAWING.
 - THIS DRAWING IS DIAGRAMMATIC, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM EXISTING SITE CONDITIONS AND INSTALLATION CLEARANCES PRIOR TO SHOP DRAWING SUBMISSIONS AND INSTALLATION. SHOULD THE CONTRACTOR DETERMINE THAT THE INSTALLATION OF ANY ELECTRICAL COMPONENT IS RESTRICTED OR NOT ABLE TO BE INSTALLED IN THE SUGGESTED LOCATION THE CONTRACTOR SHALL READDRESS THE INSTALLATION ACCORDINGLY AND IN COMPLIANCE WITH NEC2014, AT NO ADDITIONAL COST.

ISSUED FOR BID
 DATE: 05-26-2017

DATE:	SHEET NO.:
8/2017	E-32
328 No.:	05-10-U-072.1

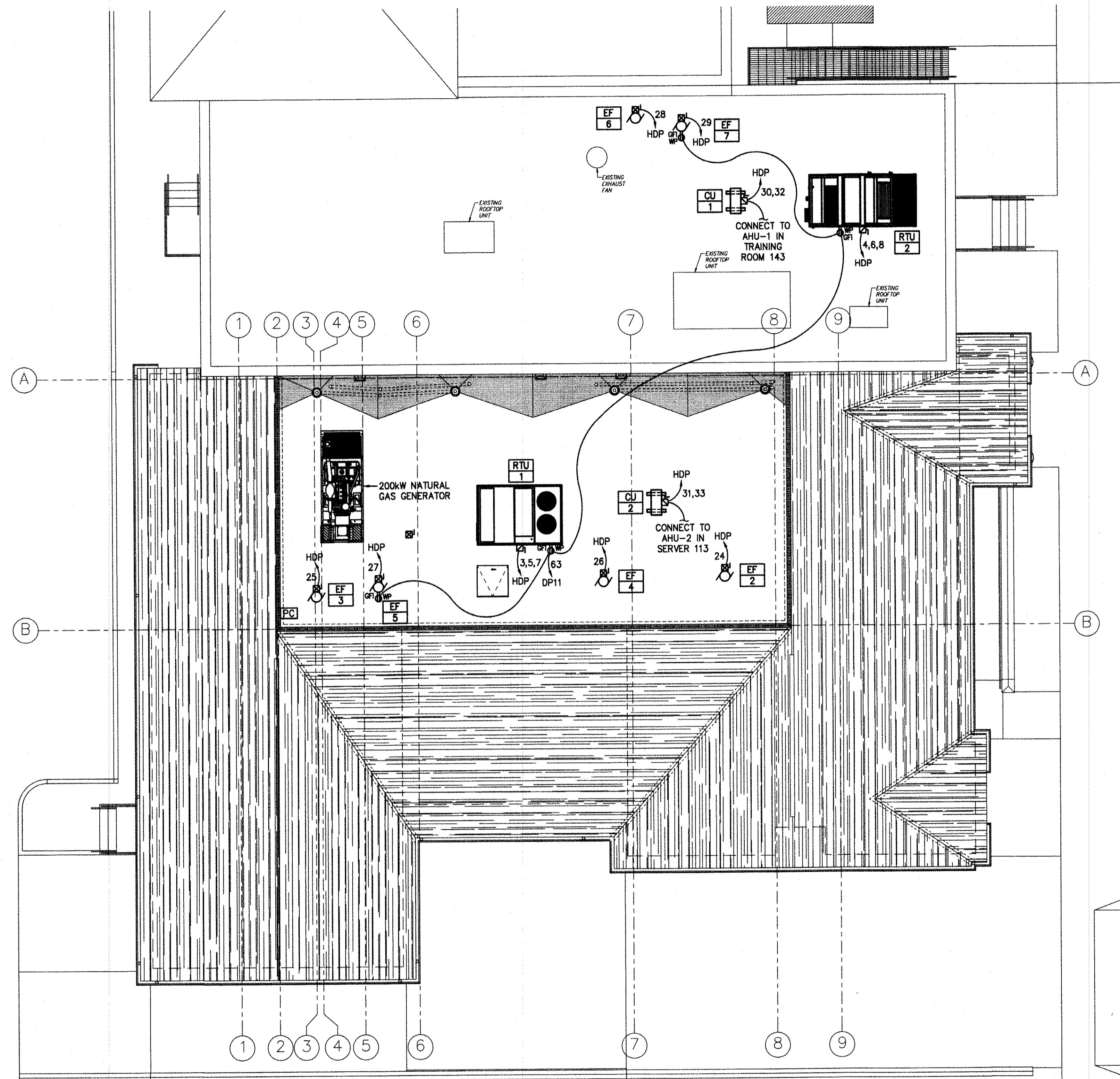


REMINGTON, VERNICK
& WALBERG ENGINEERS

4907 NEW JERSEY AVENUE
WILDWOOD CITY, N.J. 08260
(609) 522-5150, FAX (609) 522-5313
WEB SITE ADDRESS : WWW.RVE.COM
Certification of Authorization: 24 GA 28547(10)
-ENGINEERING EXCELLENCE SINCE 1901-

DATE:
EDWARD J. WALBERG
NJ PROFESSIONAL ENGINEER LIC. No. 37259

Christopher A. Saponaro
DATE: 08-22-17
CHRISTOPHER A. SAPONARO
NJ PROFESSIONAL ENGINEER LIC. No. 40059



ELECTRICAL HVAC POWER ROOF PLAN
SCALE: 1/8" = 1'-0"

NOTES:

- 1. ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING E-1.0 APPLY TO THIS DRAWING.
- 2. THIS DRAWING IS DIAGRAMMATIC, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM EXISTING SITE CONDITIONS AND INSTALLATION CLEARANCES PRIOR TO SHOP DRAWING SUBMISSIONS AND INSTALLATION. SHOULD THE CONTRACTOR DETERMINE THAT THE INSTALLATION OF ANY ELECTRICAL COMPONENT IS RESTRICTED OR NOT ABLE TO BE INSTALLED IN THE SUGGESTED LOCATION THE CONTRACTOR SHALL READDRESS THE INSTALLATION ACCORDINGLY AND IN COMPLIANCE WITH NEC2014, AT NO ADDITIONAL COST.

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.
ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES 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 EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO REMINGTON & VERNICK ENGINEERS AND AFFILIATES. OWNER SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON & VERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

REVISION	DATE	BY

ELECTRICAL HVAC POWER ROOF PLAN
STONE HARBOR POLICE STATION
SINGLE STORY EXPANSION
BOROUGH OF STONE HARBOR
CAPE MAY COUNTY
NEW JERSEY

DRAWN BY: S.M.	DESIGN BY: B.G.	SCALE: AS NOTED
DATE: 8/2017		
		ESET No.:
		E-33
		05-10-U-072.1

ISSUED FOR BID
DATE: 08-28-2017



**REMINGTON, VERNICK
& WALBERG ENGINEERS**
 4907 NEW JERSEY AVENUE
 WILDWOOD CITY, N.J. 08260
 (800) 822-5150, FAX (800) 522-5313
 WEB SITE ADDRESS : WWW.RVE.COM
 Certification of Authorization: 24 GA 28048700
 -ENGINEERING EXCELLENCE SINCE 1901-

DATE:
EDWARD J. WALBERG
 N.J. PROFESSIONAL ENGINEER LIC. No. 37259
[Signature]
 DATE: 08-22-17
CHRISTOPHER A. SAPONARO
 N.J. PROFESSIONAL ENGINEER LIC. No. 40059

PLANS WHICH DO NOT BEAR
 AN EMBOSSED SEAL ARE NOT VALID.

ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES 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 EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO REMINGTON & VERNICK ENGINEERS AND AFFILIATES. AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON & VERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

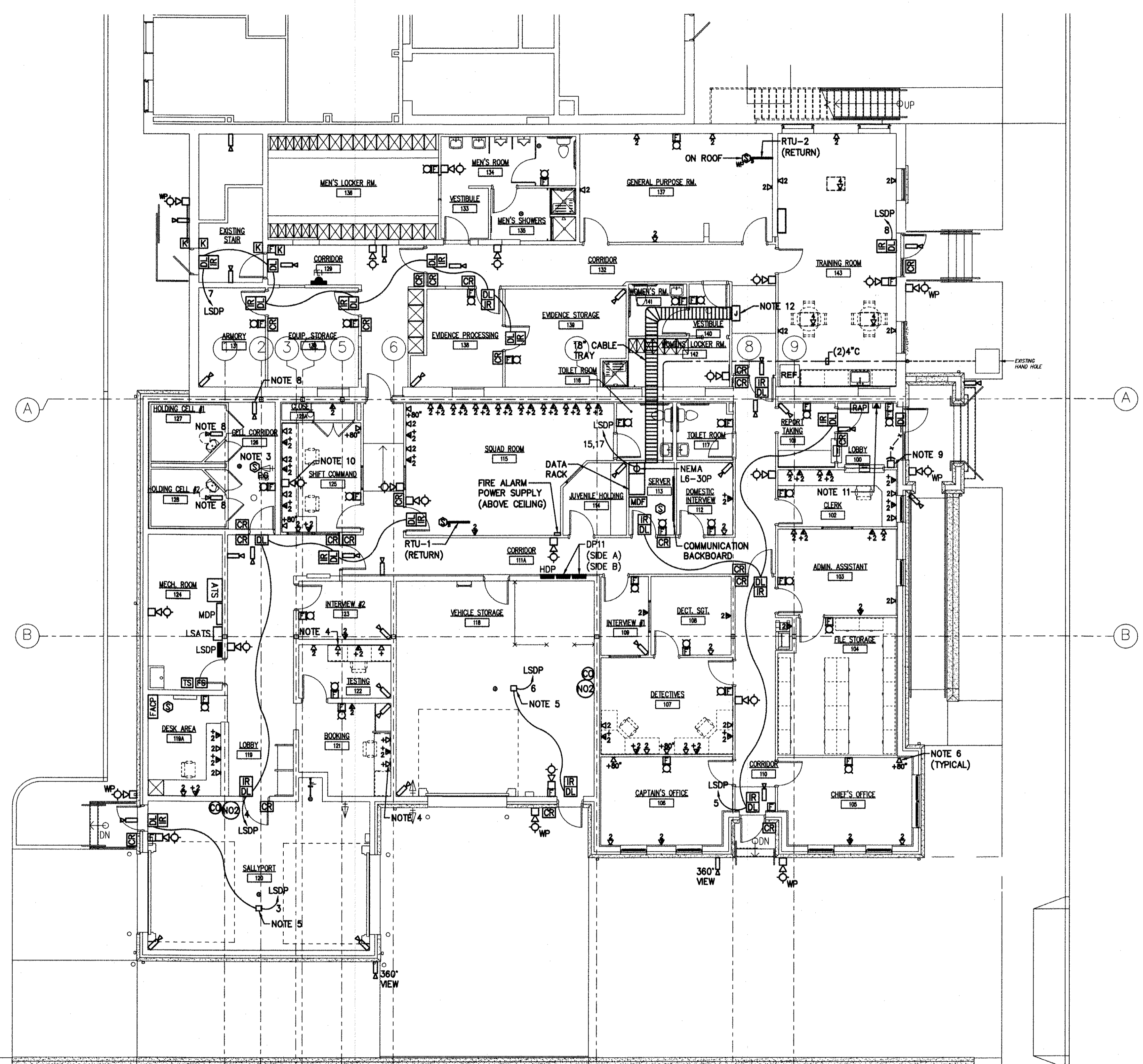
NO.	REVISION	DATE	BY

**ELECTRICAL SYSTEMS FIRST AND
PARTIAL SECOND FLOOR PLANS**

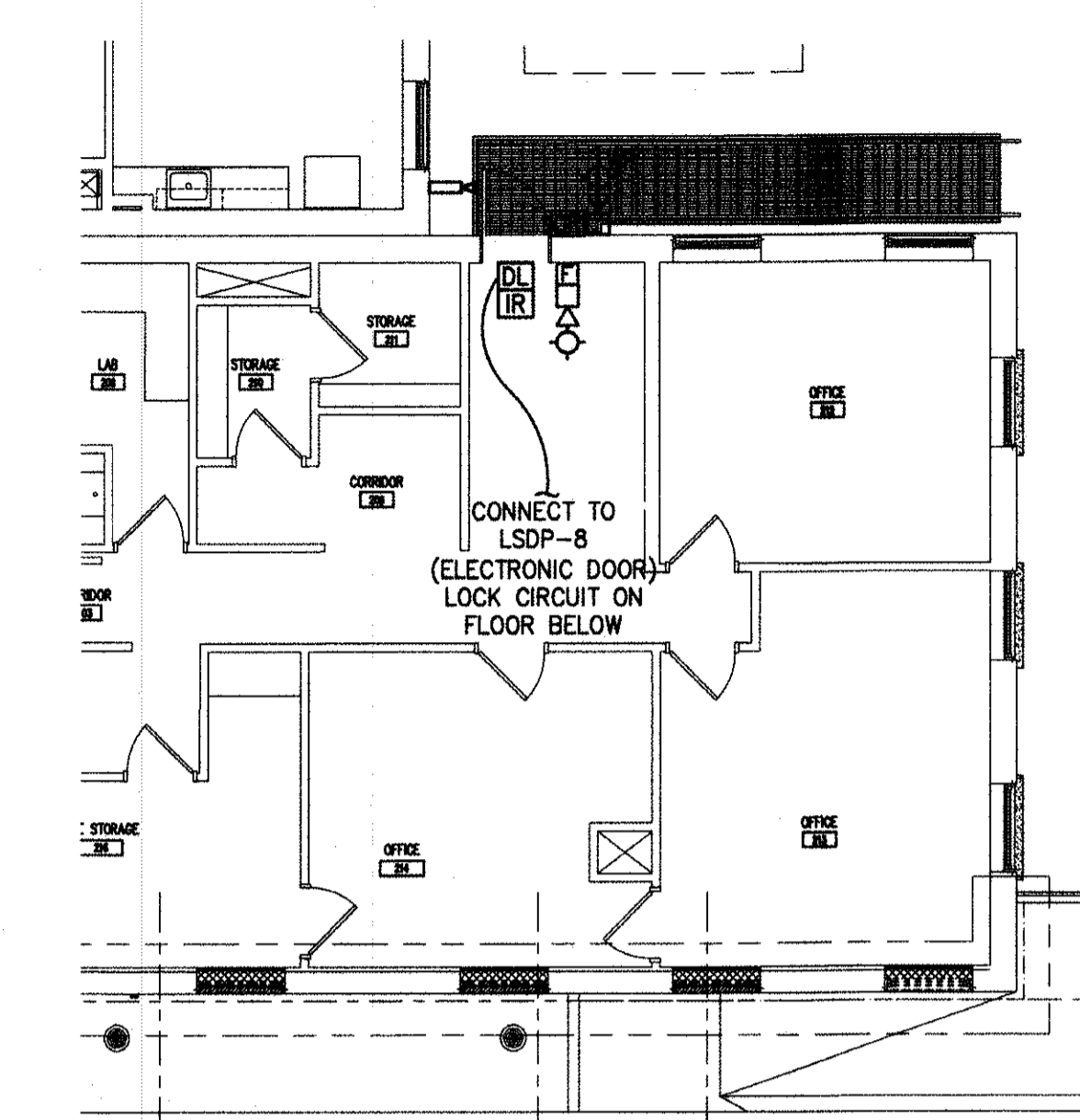
STONE HARBOR POLICE STATION
 SINGLE STORY EXPANSION

BOROUGH OF STONE HARBOR
 CAPE MAY COUNTY
 NEW JERSEY

DRAWN BY: G.M.	DESIGNED BY: B.G.	CHECKED BY: [Signature]	SCALE: AS NOTED
DATE: 8/2017	JOB No.: 05-10-U-072.1		SHEET No.: E-4.1



ELECTRICAL SYSTEMS FIRST FLOOR PLAN
 SCALE: 1/8" = 1'-0"



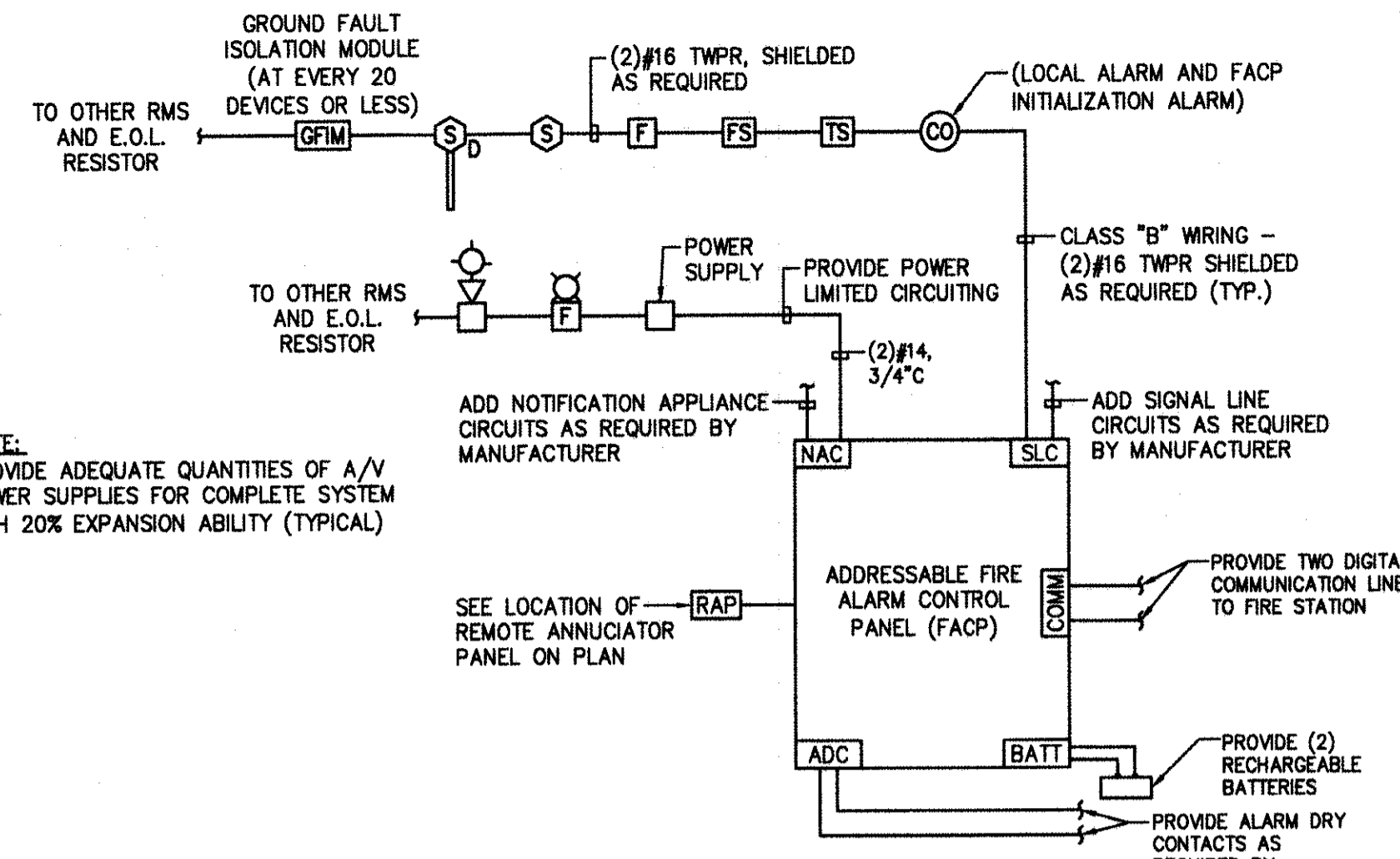
PARTIAL ELECTRICAL SYSTEMS SECOND FLOOR PLAN
 SCALE: 1/8" = 1'-0"

- NOTES:**
- ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING E-1.0 APPLY TO THIS DRAWING.
 - THIS DRAWING IS DIAGRAMMATIC, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM EXISTING SITE CONDITIONS AND INSTALLATION CLEARANCES PRIOR TO SHOP DRAWING SUBMISSIONS AND INSTALLATION. SHOULD THE CONTRACTOR DETERMINE THAT THE INSTALLATION OF ANY ELECTRICAL COMPONENT IS RESTRICTED OR NOT ABLE TO BE INSTALLED IN THE SUGGESTED LOCATION THE CONTRACTOR SHALL REDRESS THE INSTALLATION ACCORDINGLY AND IN COMPLIANCE WITH NEC2014, AT NO ADDITIONAL COST.
 - PROVIDE PROTECTIVE GUARD FOR SMOKE DETECTOR.
 - PROVIDE CAT 6 DATA CABLE TO COMMUNICATIONS BACKBOARD FOR DIRECT LINE TO STATE POLICE.
 - PROVIDE WIRELESS ACCESS CONTROL FOR VEHICLE ENTRY AND EXIT INTO SALLY PORT AND VEHICLE STORAGE. INTEGRATE ACCESS CONTROL WITH OVERHEAD DOOR CONTROLLER. PROVIDE (30) WIRELESS ACCESS CONTROLLERS FOR VEHICLES.
 - PROVIDE WALL MOUNTED 36" LCD FLAT SCREEN MONITOR FOR VIDEO SURVEILLANCE SYSTEM. PROVIDE HDMI CABLE IN SURFACE MOUNTED RACEWAY TO BELOW WORKING TABLE.
 - PROVIDE 24/120VLT.
 - PROVIDE VANDAL PROOF SECURITY CAMERA ENCLOSURES.
 - PROVIDE EMERGENCY PANIC BUTTON TO LOCK MAIN ENTRANCE DOOR (LOBBY 100) AND NOTIFY SHIFT COMMAND OF AN EMERGENCY.
 - PROVIDE A HORN/STROBE ALARM ACTIVATED WHEN THE EMERGENCY PUSH BUTTON IN LOBBY 100 IS PUSHED.
 - PROVIDE A PHONE CONNECTION FOR EMERGENCY CALL STATION.
 - PROVIDE JUNCTION BOX ABOVE CEILING. EXTEND ALL EXISTING ANTENNA AND COMMUNICATIONS WIRE TO NEW SERVER 113.

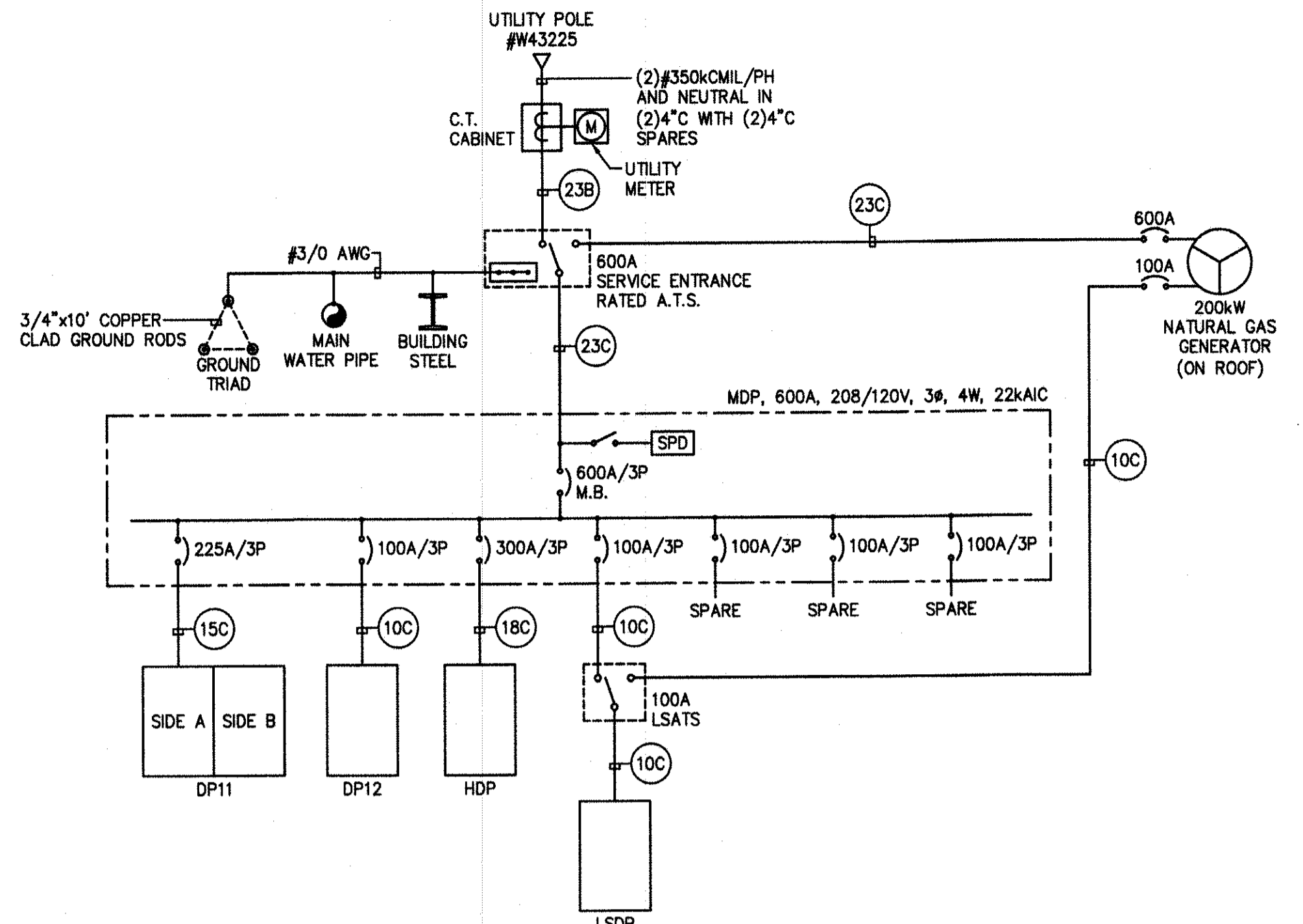
ISSUED FOR BID
 DATE: 08-26-2017

GENERAL FIRE ALARM SYSTEM NOTES:

1. THIS SYSTEM DESIGN AND PERFORMANCE IS BASED ON AN ADDRESSABLE VOICE ANNUNCIATED FIRE ALARM CONTROL PANEL (FACP) WITH DOOR-MOUNTED DISPLAY/CONTROLS AND INTERNAL BATTERY BACKUP.
2. ALL WIRING SHALL COMPLY WITH PROJECT SPECIFICATIONS, NFPA 72, IBC 2006, ADAAG, UL 1971, AND THE REQUIREMENTS OF THE LOCAL AHJ.
3. ALL WIRE AND CABLE SHALL HAVE A WIRE MARKER ON EACH END, OR EQUAL. ALL MARKERS SHALL BE TYPED. SHIELDS ON ALL SHIELDED CABLE SHALL BE CONTINUOUS, GROUNDED AT THE FIRE ALARM CONTROL PANEL ONLY, AND ISOLATED FROM GROUND ELSEWHERE.
4. MOUNTING FOR ALL DEVICES SHALL COMPLY WITH IBC, NFPA 90A, NFPA 72, NEC, AND ADAAG.
5. FOR CONDUIT APPLICATIONS, USE ELECTRICAL METALLIC TUBING (EMT) AT ALL LOCATIONS INDOORS AND RIGID METAL CONDUIT OUTDOORS. ALL CONDUIT SIZE SHALL BE 3/4" MINIMUM.
6. CONTRACTOR SHALL REPAIR/PATCH AND/OR REPAINT TO MATCH ADJACENT AREAS, ANY AREAS DAMAGED (OR WHERE ITEMS WERE REMOVED/DEMOLISHED) BY WORK OF THIS CONTRACT.
7. THE FIRE ALARM VENDOR MUST CALCULATE THE NOTIFICATION APPLIANCES CANDELA RATINGS AND DESIGNATE THEM ON THE SHOP DRAWINGS. ALL STROBE SETTING MUST COMPLY WITH NFPA 72 REQUIREMENTS.
8. DUCT SMOKE DETECTORS SHALL BE INSTALLED BY THE ELECTRICAL CONTRACTOR AND WIRED FOR FAN SHUTDOWN BY THE ELECTRICAL CONTRACTOR. EACH DUCT SMOKE DETECTOR SHALL HAVE A REMOTE ALARM INDICATOR WITH KEY TEST SWITCH, INSTALLED AND WIRED. PROVIDE A DUCT DETECTOR FOR EACH AIR HANDLING UNIT RATED 2000 CFM OR GREATER. COORDINATE INSTALLATION LOCATION AND QUANTITIES WITH THE MECHANICAL CONTRACTOR.
9. ACCEPTANCE TESTING MUST BE PERFORMED IN ACCORDANCE WITH NFPA 72 AND THE AUTHORITY HAVING JURISDICTION.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PROGRAMMING NECESSARY FOR SYSTEM MODIFICATION. IN THE EVENT, IF CONTRACTOR PULLS THE EXISTING SERVICE SOFTWARE, CONTRACTOR SHALL BARE ALL THE EXPENSES AND FEES ASSOCIATED WITH THE SCOPE OF WORK.
11. UPON COMPLETION OF FINAL TESTING, THE SYSTEM MANUFACTURER SHALL SUBMIT RECORD DRAWINGS DETAILING AS-BUILT CIRCUITING AND INCORPORATING ALL FIELD AND DESIGN DIRECTIVES GIVEN THROUGHOUT THE PROJECT.
12. ALL FIRE ALARM DEVICES PROVIDED SHALL MEET THE ATMOSPHERIC APPLICATION RATING FOR THE LOCATION EACH DEVICE IS INSTALLED (PROVIDE WET LOCATION RATED IN ALL AREAS WHERE DEVICE IS LIKELY TO GET WET).
13. WHERE MAGNETIC DOOR RELEASE DEVICES ARE REQUIRED THE CONTRACTOR SHALL PROVIDE ALL POWER SUPPLY AND WIRING FOR A COMPLETE INSTALLATION.



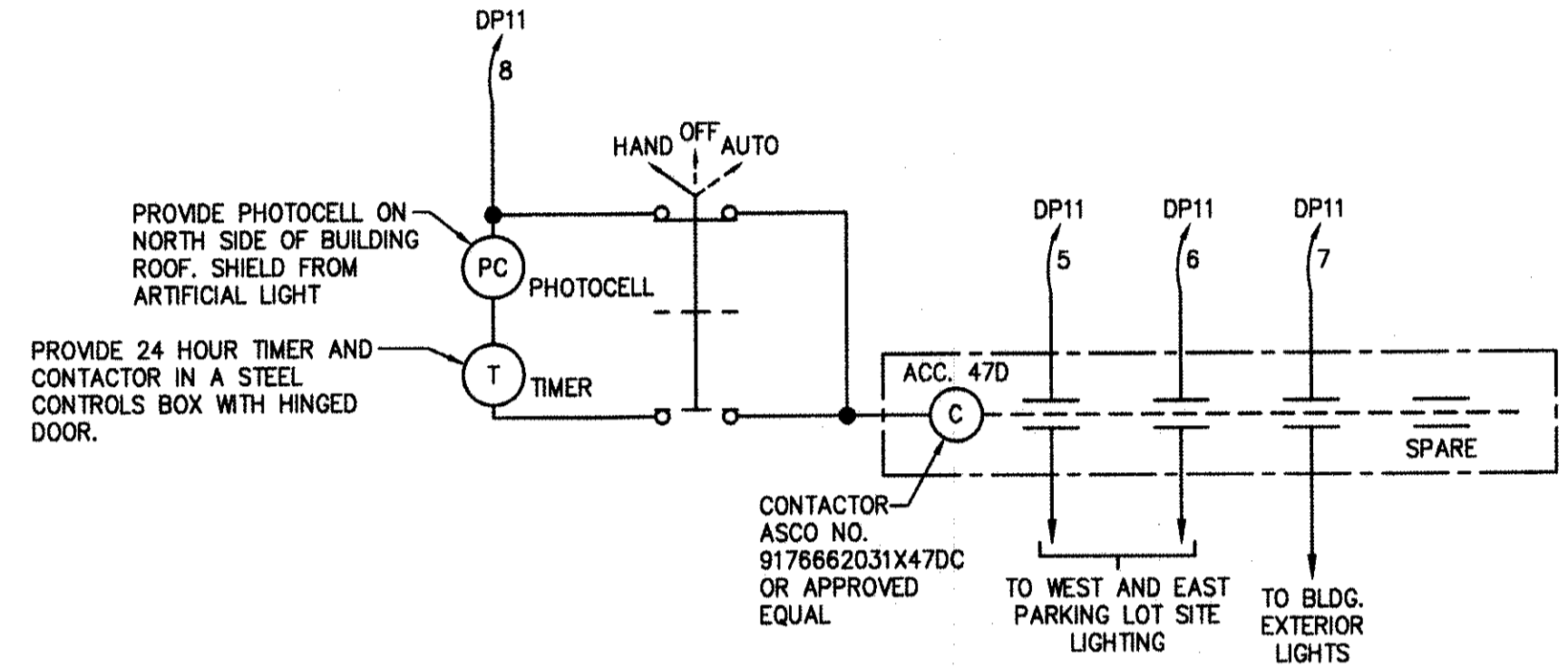
FIRE ALARM RISER DIAGRAM
N.T.S.



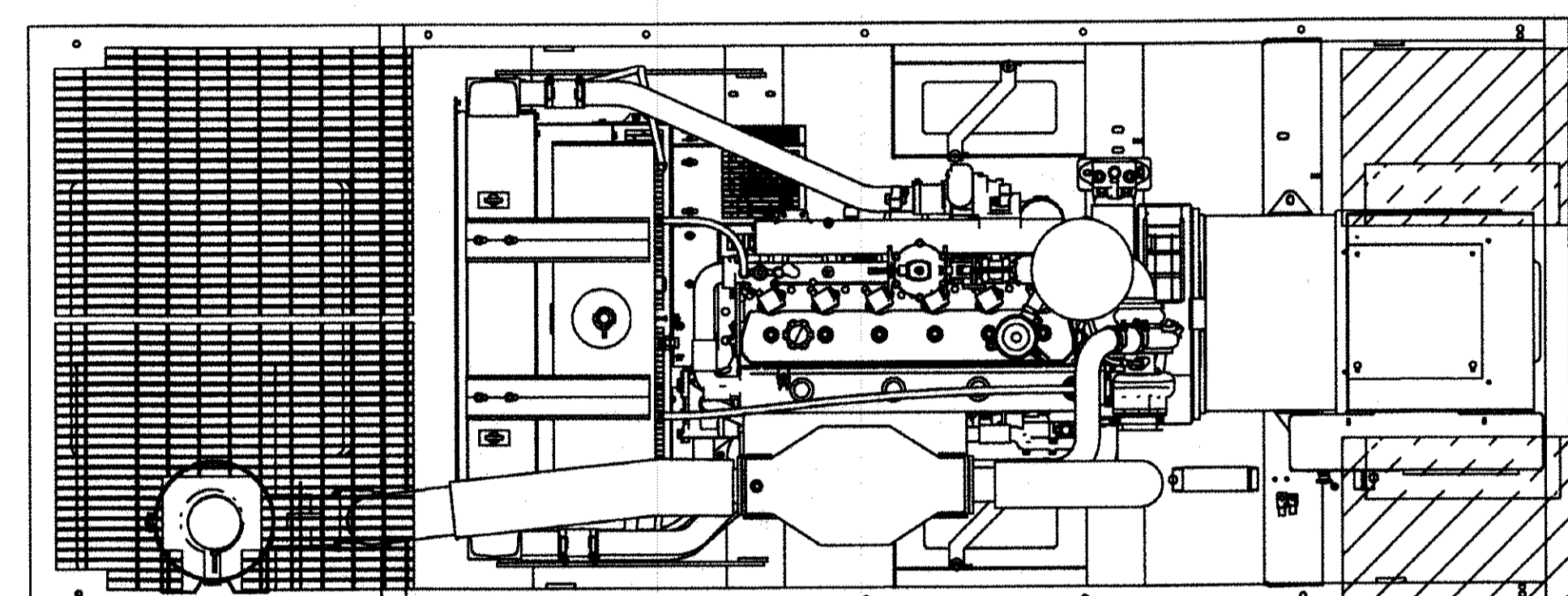
ELECTRICAL SINGLE LINE DIAGRAM
N.T.S.

FIRE ALARM SYSTEM RISER NOTES:

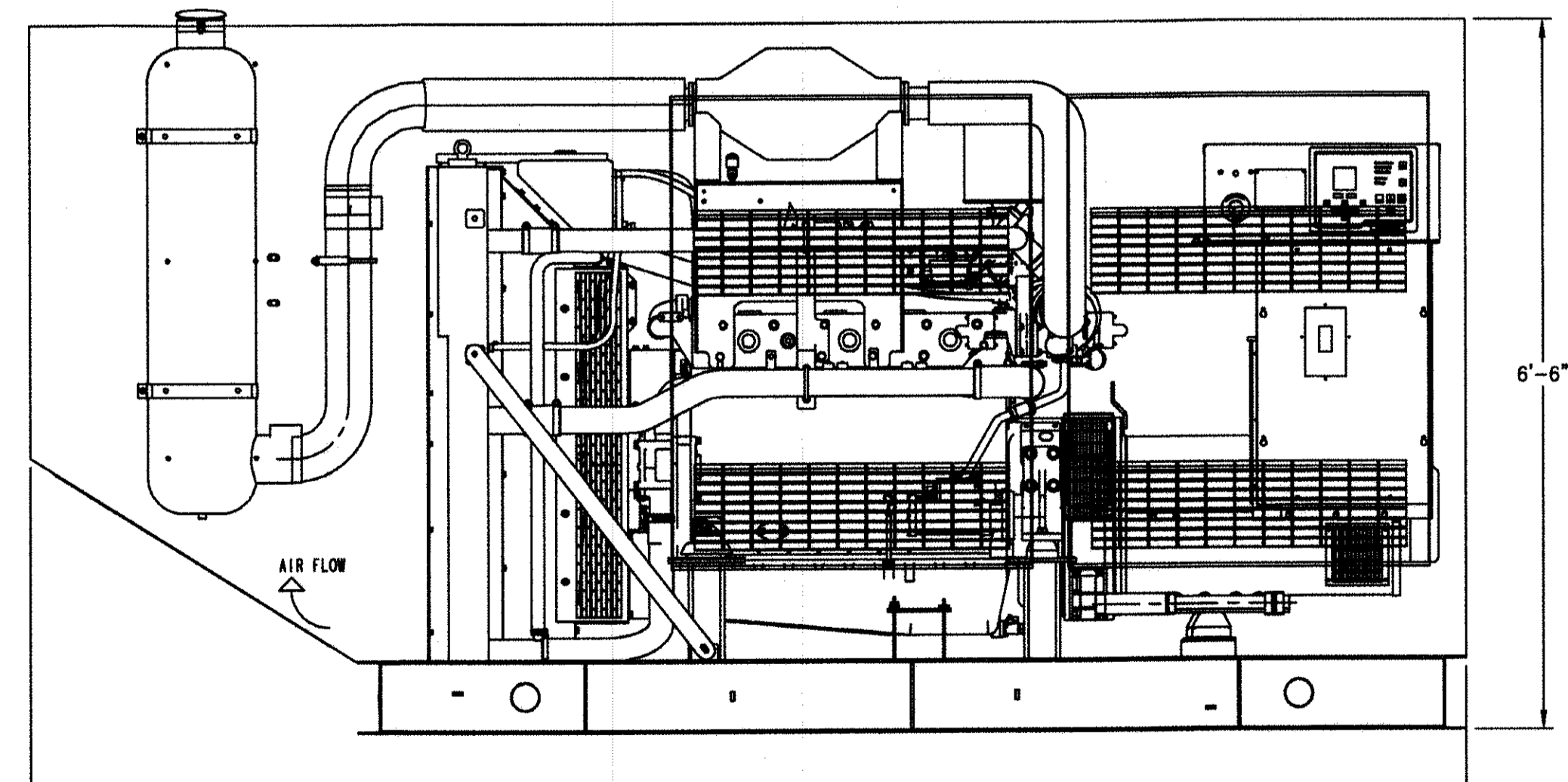
1. THIS RISER DIAGRAM IS A REPRESENTATION OF THE INTENDED SYSTEM FOR THIS PROJECT. SEE THE FLOOR PLANS FOR EXACT QUANTITIES AND LOCATIONS OF FIELD EQUIPMENT. SEE THE PROJECT SPECIFICATIONS FOR PERFORMANCE AND COMPLIANCE REQUIREMENTS. QUANTITY AND SIZE OF CONDUCTORS TO BE DETERMINED BY MANUFACTURER.
2. CONTRACTOR SHALL PROVIDE ADEQUATE POWER SUPPLIES WITH BATTERY BACKUP TO PROVIDE A TURN KEY INSTALLATION. ALL POWER SUPPLIES SHALL NOT EXCEED 80% CAPACITY TO ALLOW FOR FUTURE GROWTH.
3. ALL WIRING REQUIREMENTS SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS.
4. PROVIDE END OF LINE RESISTERS AS NECESSARY.
5. PROVIDE ADDRESSABLE MONITORING AND CONTROL MODULES AS REQUIRED.
6. ALL ADDRESSABLE SLC'S SHALL BE NFPA 72 CLASS B, STYLE 4.
7. ALL NOTIFICATION NAC'S SHALL BE NFPA 72 CLASS B, STYLE Y.
8. STROBE CANDELAS MUST BE SIZED AND LOCATED PER NFPA 72 REQUIREMENTS.
9. ALL PANEL BATTERY BACKUP SHALL BE SIZED A MINIMUM OF 24HR STANDBY & 5 MINUTES OF ALARM.
10. A COMPLETE SET FOR FIRE ALARM PRODUCT CUT SHEETS, FIRE ALARM SHOP DRAWINGS, AND BATTERY/VOLTAGE/LOAD CALCULATIONS MUST BE SUBMITTED AND APPROVED PRIOR TO INSTALLATION. IN ADDITION A SEPARATE SUBMISSION SHALL BE PROVIDED TO THE AUTHORITY HAVING JURISDICTION.



LIGHTING CONTROL DETAIL
N.T.S.



PLAN VIEW

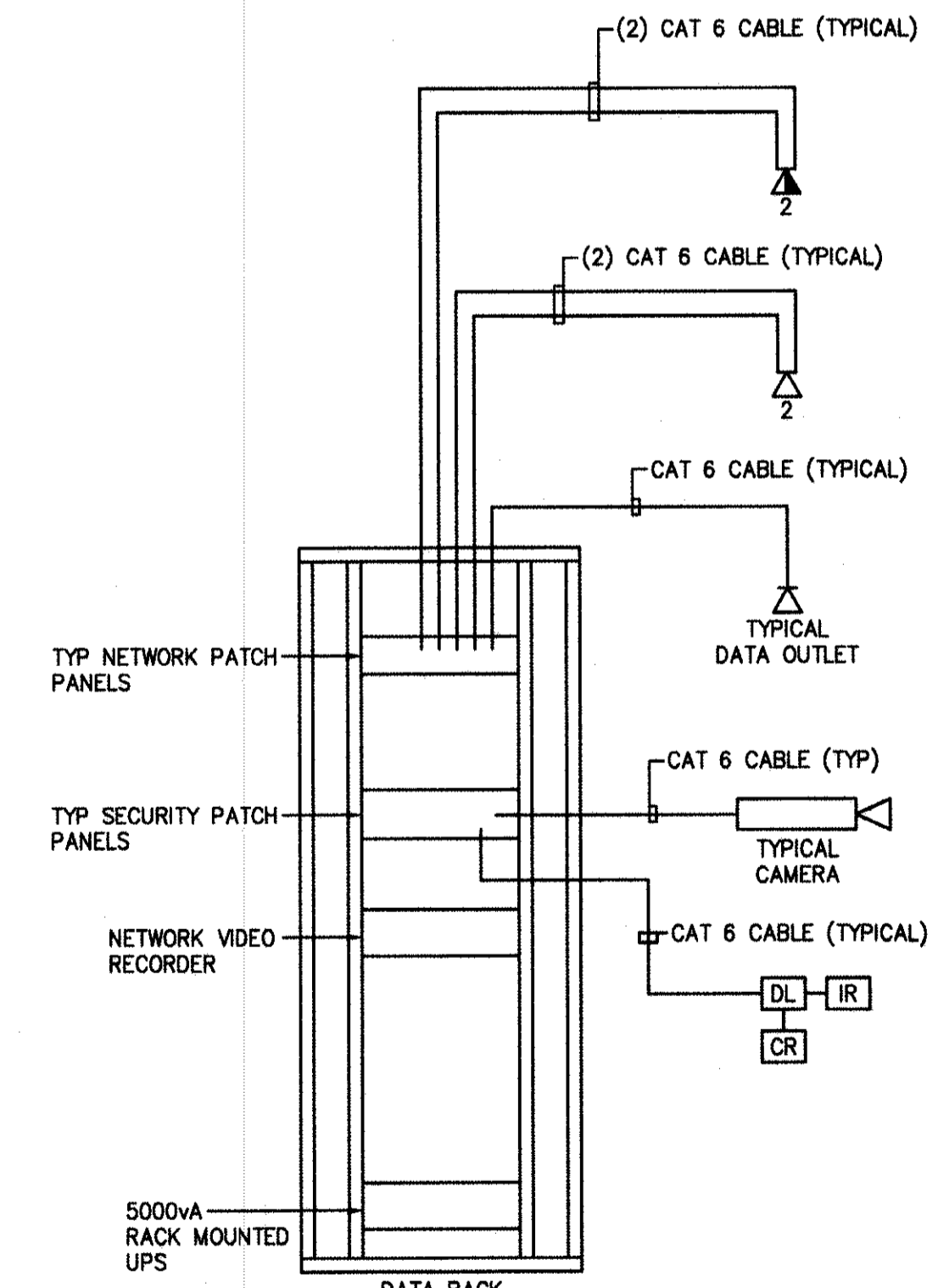


ELEVATION VIEW

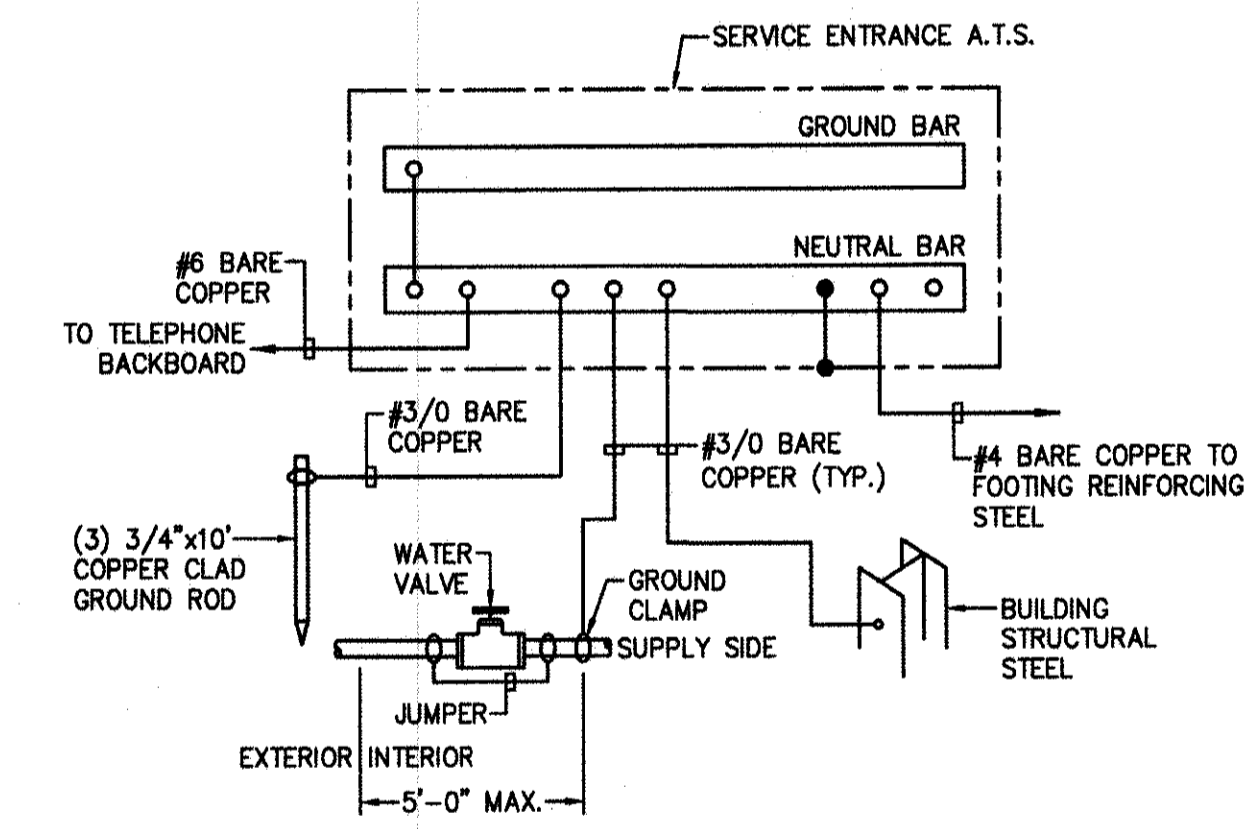
200kW NATURAL GAS EMERGENCY GENERATOR
SCALE: 3/4" = 1'-0"

NOTES:

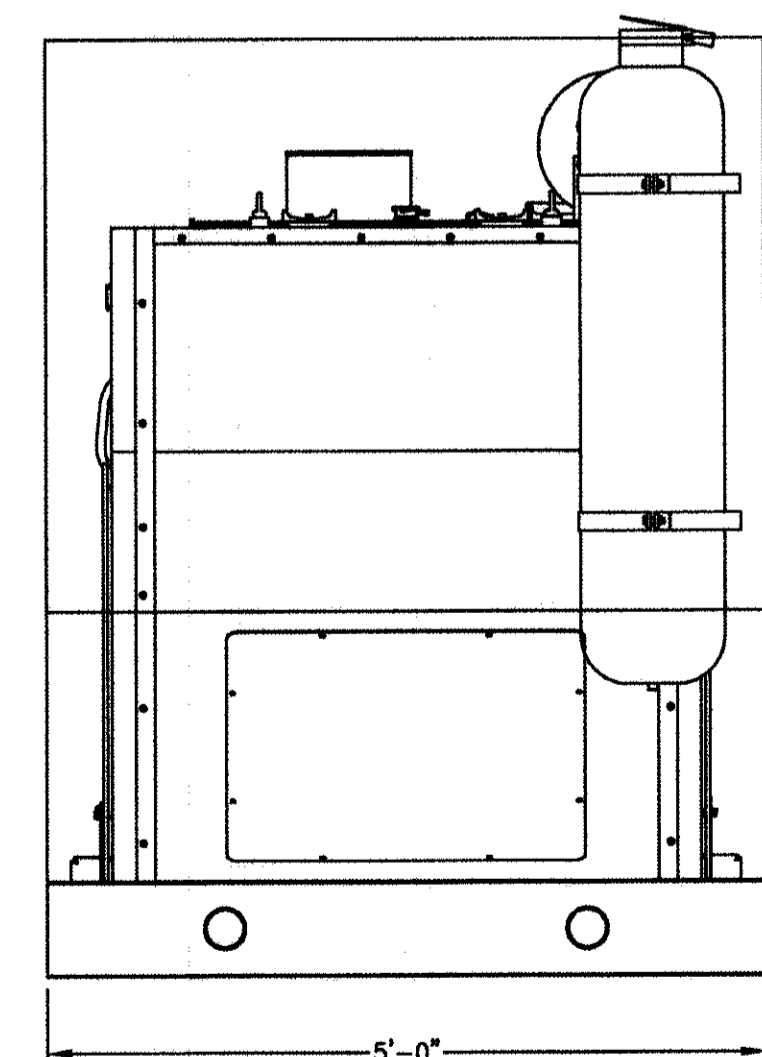
1. ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING E-1.0 APPLY TO THIS DRAWING.
2. THIS DRAWING IS DIAGRAMMATIC. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM EXISTING SITE CONDITIONS AND INSTALLATION CLEARANCES PRIOR TO SHOP DRAWING SUBMISSIONS AND INSTALLATION. SHOULD THE CONTRACTOR DETERMINE THAT THE INSTALLATION OF ANY ELECTRICAL COMPONENT IS RESTRICTED OR NOT ABLE TO BE INSTALLED IN THE SUGGESTED LOCATION THE CONTRACTOR SHALL ADDRESS THE INSTALLATION ACCORDINGLY AND IN COMPLIANCE WITH NEC2014, AT NO ADDITIONAL COST.



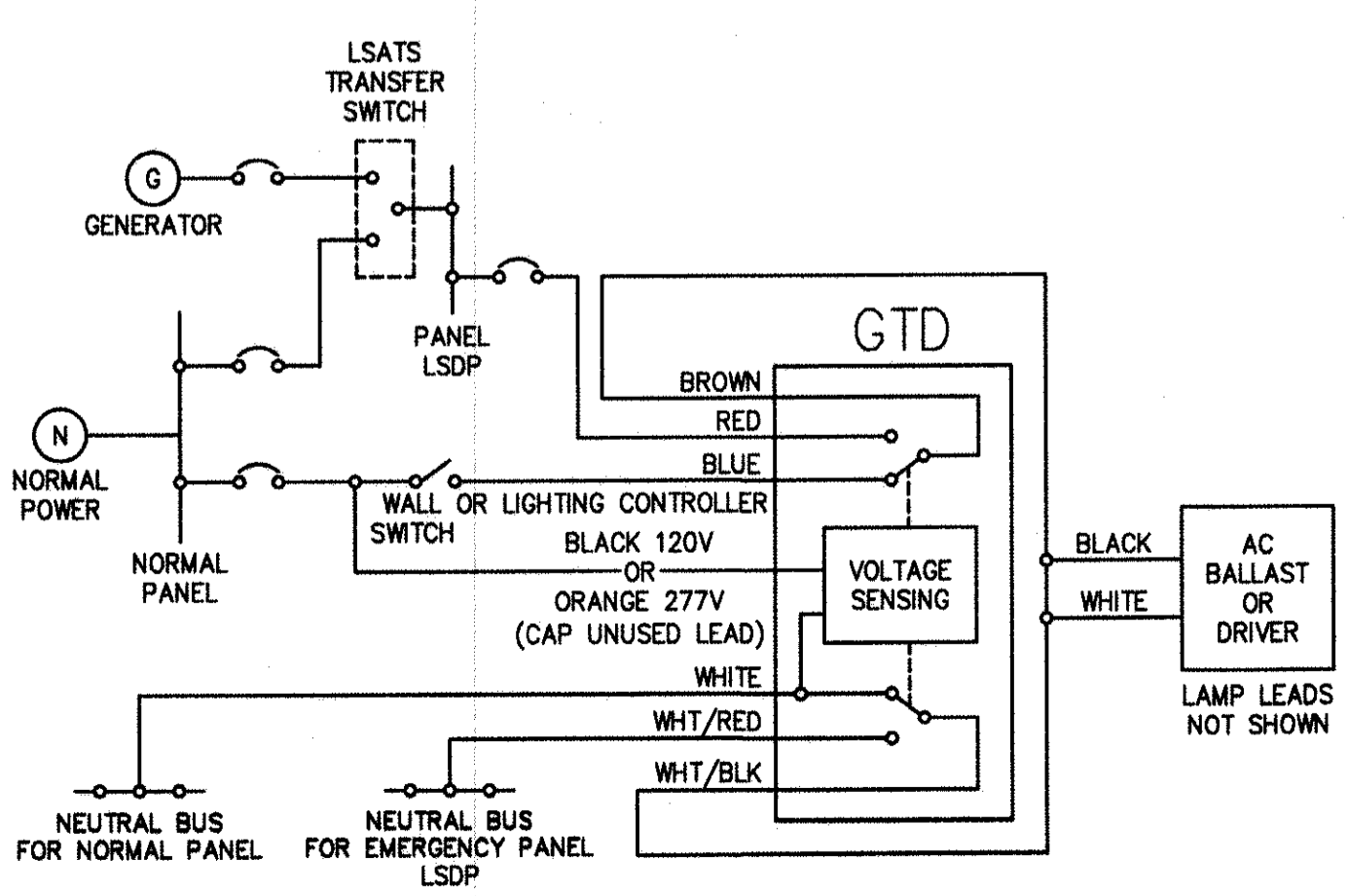
TYPICAL COMMUNICATIONS RISER DIAGRAM
N.T.S.



SERVICE EQUIPMENT GROUNDING DIAGRAM
N.T.S.



END VIEW



ELECTRICAL GENERATOR TRANSFER DEVICE (GTD)
N.T.S.

RV & W
REMINGTON, VERNICK & WALBERG ENGINEERS
4907 NEW JERSEY AVENUE
WILDWOOD CITY, N.J. 08260
(609) 522-5150, FAX (609) 522-5313
WEB SITE ADDRESS: WWW.RVW.COM
Certification of Authorization: 24 GA 26048700
-ENGINEERING EXCELLENCE SINCE 1901-

DATE: _____
EDWARD J. WALBERG
NJ PROFESSIONAL ENGINEER LIC. No. 37259
DATE: 08-28-17
CHRISTOPHER A. SAPONARO
NJ PROFESSIONAL ENGINEER LIC. No. 40059

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.

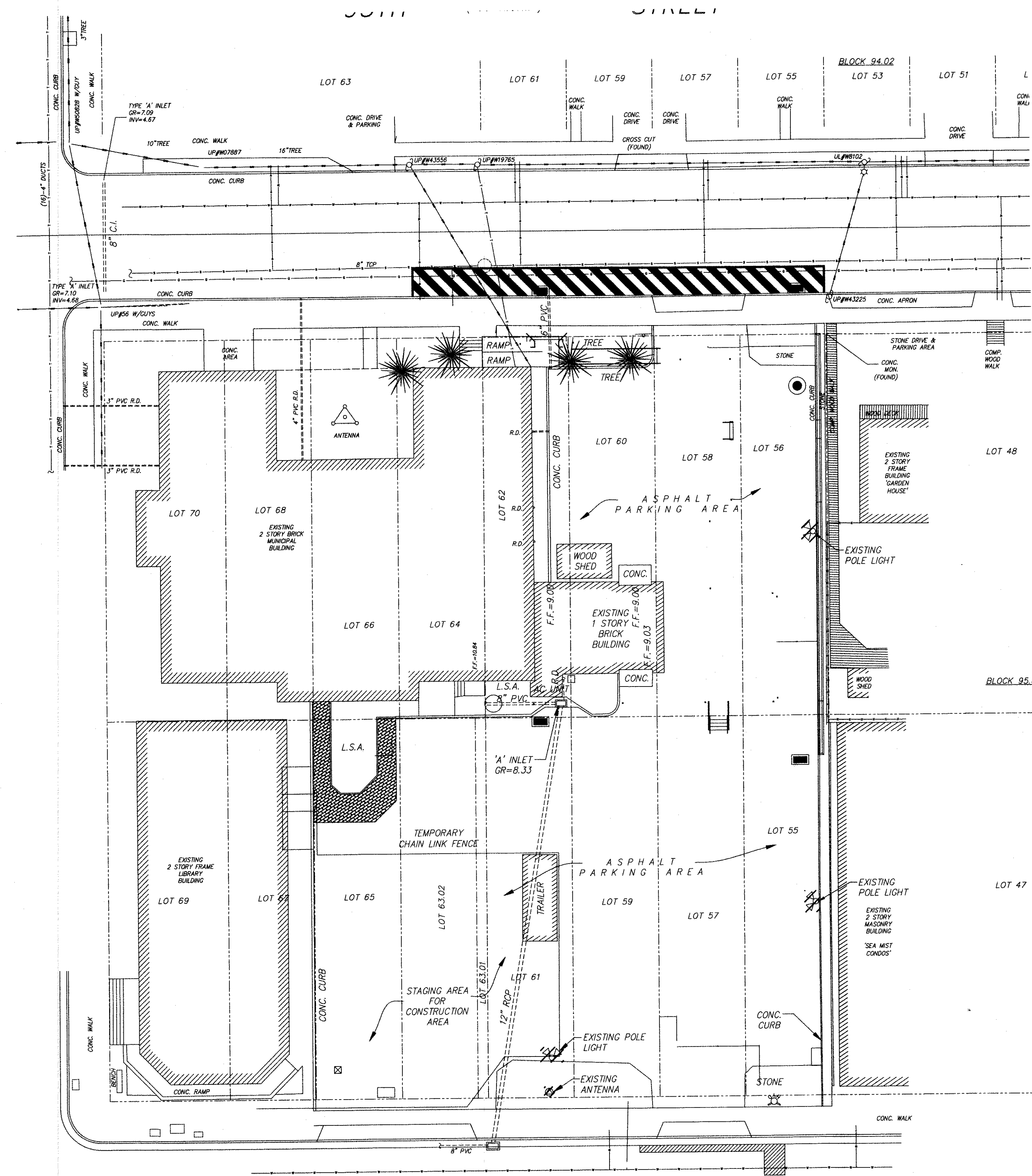
ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS ON EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR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

NO.	REVISION	DATE	BY	CHK

ELECTRICAL SINGLE LINE DIAGRAM AND DETAILS
STONE HARBOR POLICE STATION SINGLE STORY EXPANSION
BOROUGH OF STONE HARBOR CAPE MAY COUNTY NEW JERSEY

DRAWN BY: *[Signature]* DESIGN BY: *[Signature]* SCALE: AS NOTED
S.M. B.G.
DATE: 8/2017 SHEET No.: E-51
JOB No.: 05-10-U-072.1

ISSUED FOR BID
DATE: 08-28-2017



ELECTRICAL DEMOLITION SITE PLAN
SCALE: 1" = 20'-0"

NOTES:

1. ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING E-1.0 APPLY TO THIS DRAWING.
2. THIS DEMOLITION PLAN HAS BEEN PROVIDED AS A GUIDE. HOWEVER, ALL DEMOLITION REQUIRED TO SUCCESSFULLY COMPLETE THIS PROJECT SHALL BE INCLUDED IN THE SCOPE OF WORK. IT IS THE INTENT OF THE PLANS AND SPECIFICATIONS TO SECURE A COMPLETELY INTERCONNECTED AND FUNCTIONING SYSTEM AND IF ANY WORKMANSHIP OR MATERIALS ARE REQUIRED WHICH ARE OBVIOUSLY NECESSARY TO CARRY OUT THE FULL INTENT AND MEANING OF THE PLANS AND SPECIFICATIONS OR TO BE REASONABLY INFERRED THEREFROM, THE COST OF SUCH WORKMANSHIP OR MATERIALS SHALL BE INCLUDED IN THE SCOPE OF WORK.



REMINGTON, VERNICK & WALBERG ENGINEERS
4907 NEW JERSEY AVENUE
WILDWOOD CITY, N.J. 08260
(800) 522-5150, FAX (800) 522-5313
WEB SITE ADDRESS: WWW.RVWE.COM
Certification of Authorization: 24 GA 28048700
ENGINEERING EXCELLENCE SINCE 1901

DATE:
EDWARD J. WALBERG
NJ PROFESSIONAL ENGINEER LIC. No. 37259

Christopher A. Saponaro
DATE: **05-22-17**
CHRISTOPHER A. SAPONARO
NJ PROFESSIONAL ENGINEER LIC. No. 40059

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.

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

NO.	REVISION	DATE	BY	CHK

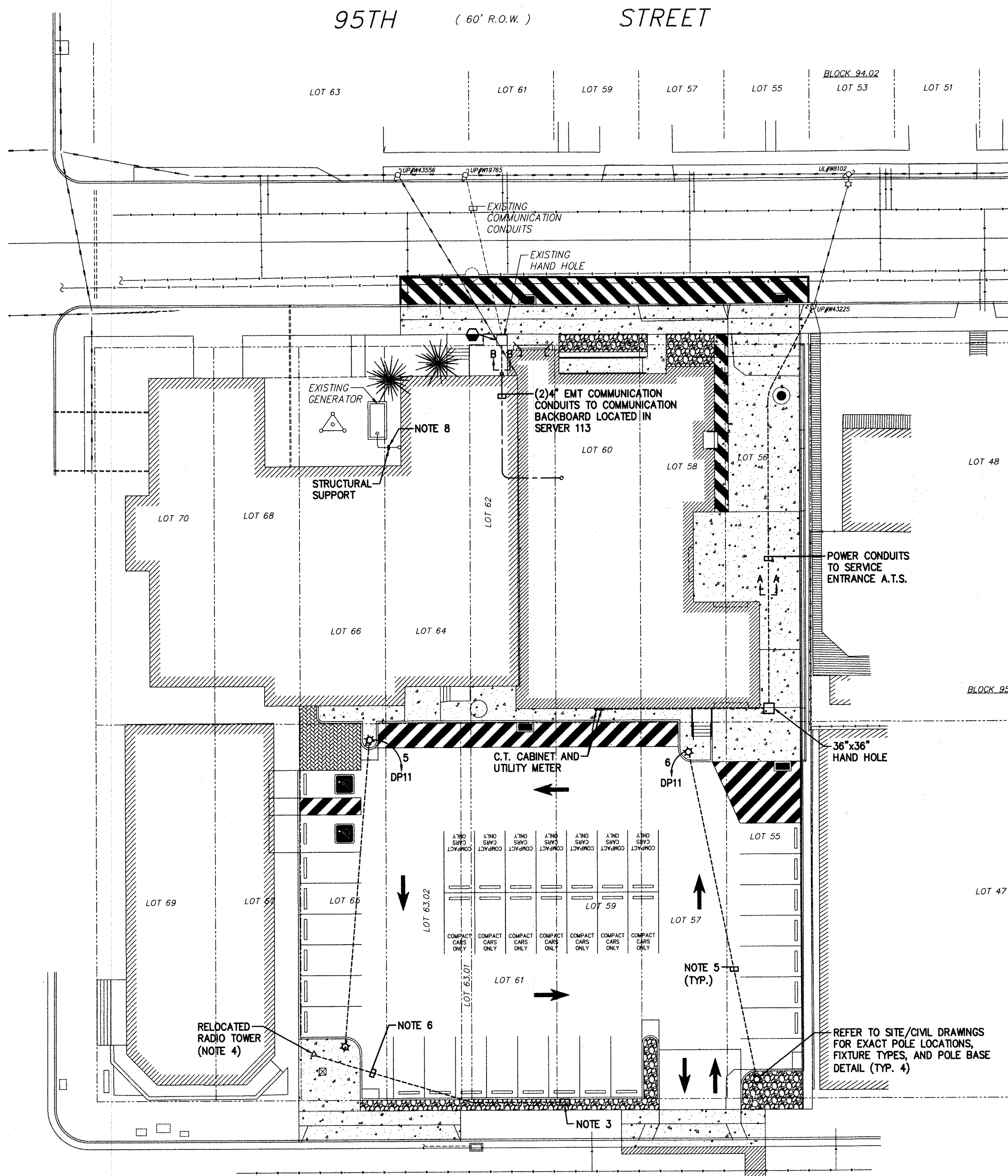
ELECTRICAL DEMOLITION SITE PLAN

**STONE HARBOR POLICE STATION
SINGLE STORY EXPANSION**

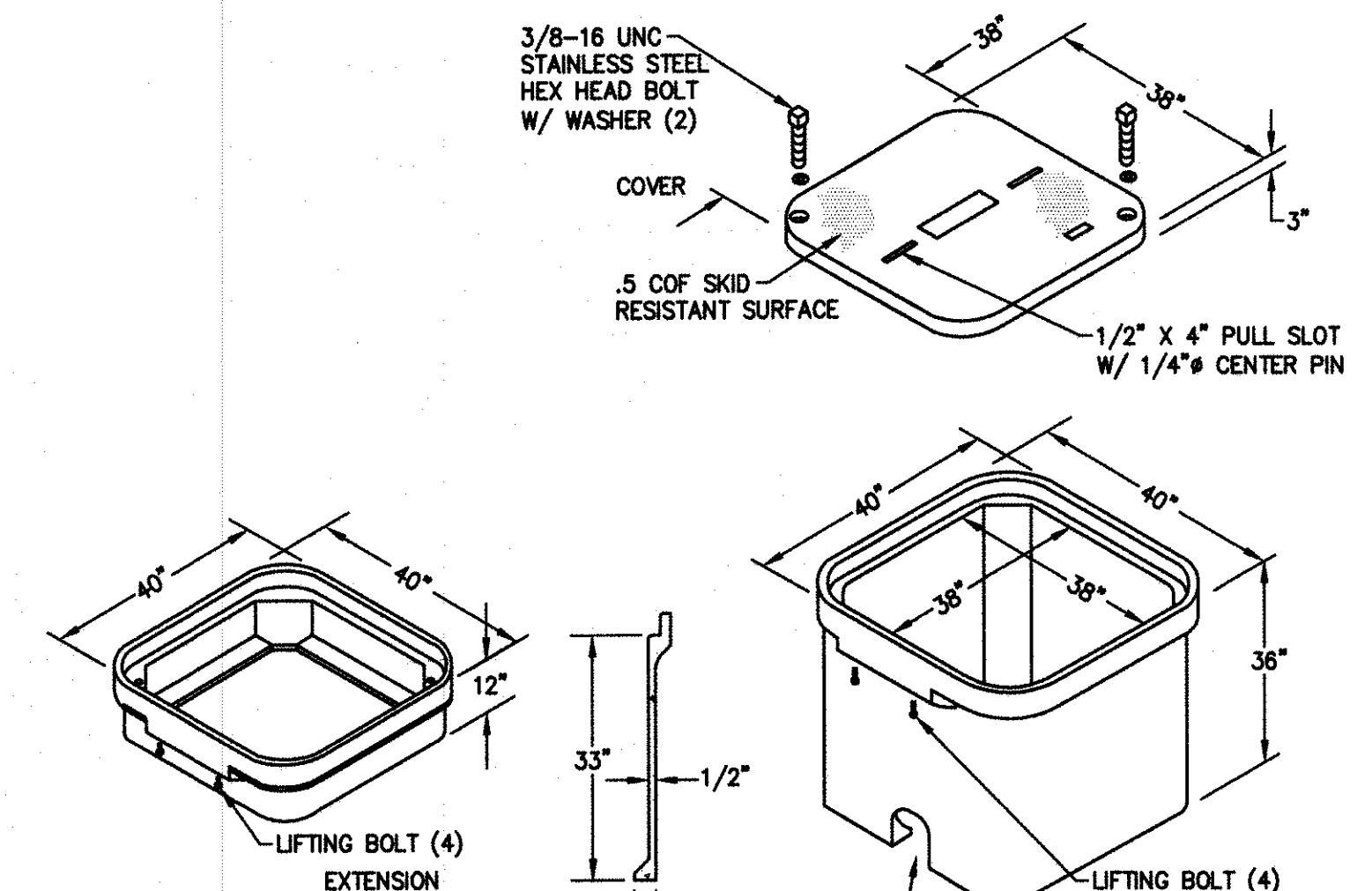
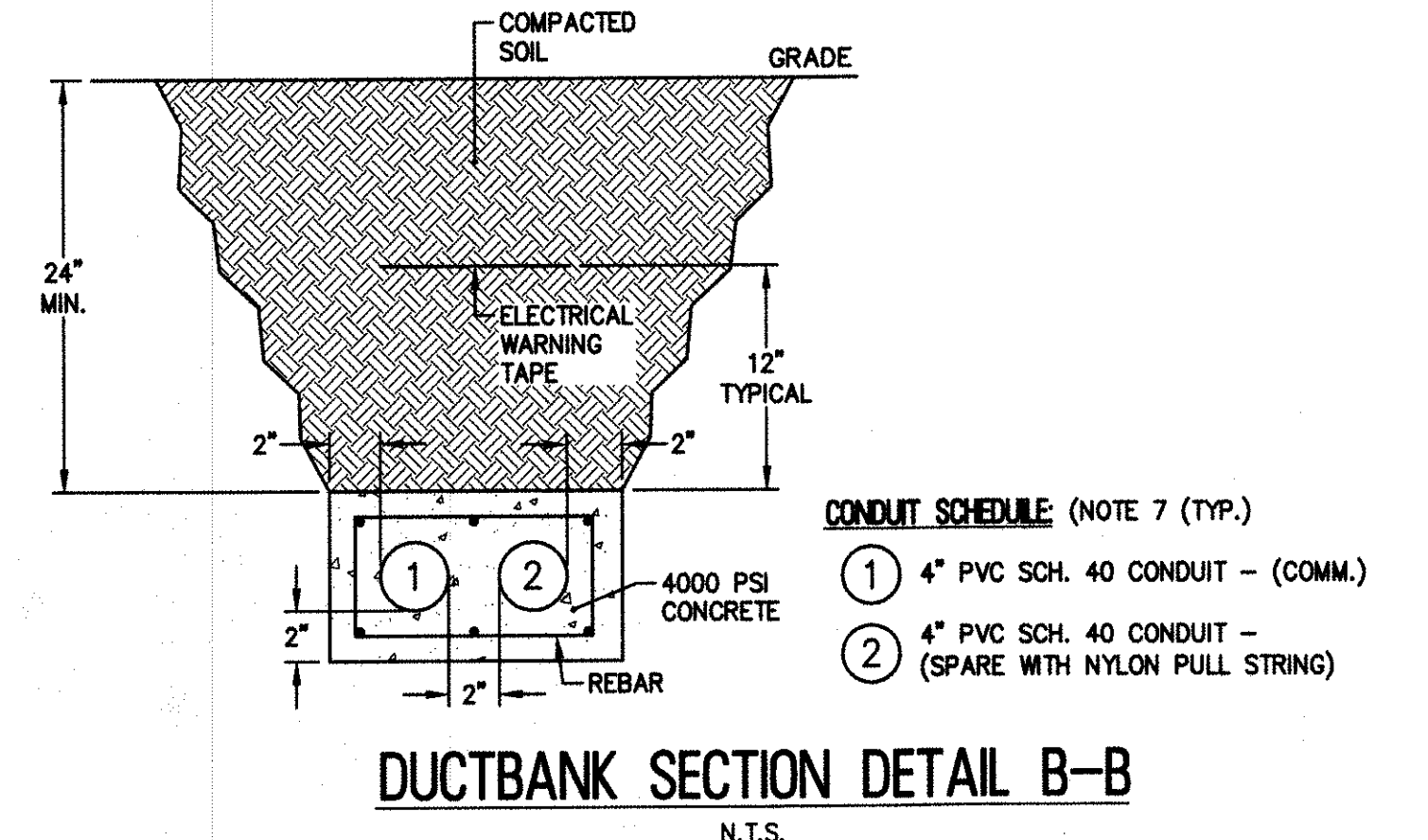
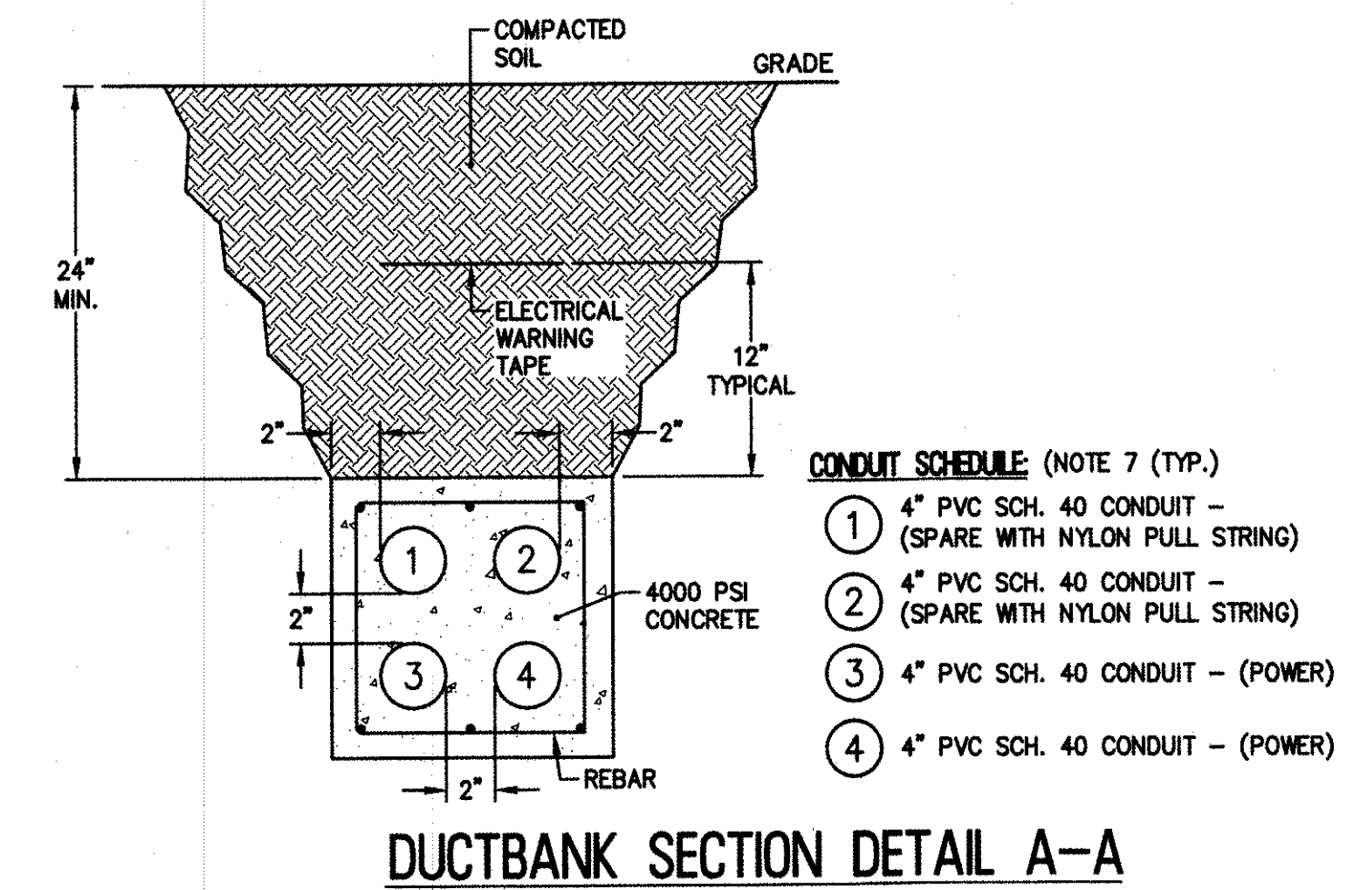
DRAWN BY: B.M.	DESIGN BY: B.G.	CHECKED BY: <i>CS</i>	SCALE: AS NOTED
DATE: 8/20/17	SHEET No.:		
JOB No.:			ES-11
05-10-4-072.1			

ISSUED FOR BID
DATE: 08-20-2017

NEW JERSEY
CAPE MAY COUNTY
BOROUGH OF STONE HARBOR



ELECTRICAL SITE PLAN
SCALE: 1" = 20'-0"



36" x 36" HAND HOLE DETAIL
N.T.S.

NOTES:

1. ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING E-1.0 APPLY TO THIS DRAWING.
2. THIS DRAWING IS DIAGRAMMATIC, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM EXISTING SITE CONDITIONS AND INSTALLATION CLEARANCES PRIOR TO SHOP DRAWING SUBMISSIONS AND INSTALLATION. SHOULD THE CONTRACTOR DETERMINE THAT THE INSTALLATION OF ANY ELECTRICAL COMPONENT IS RESTRICTED OR NOT ABLE TO BE INSTALLED IN THE SUGGESTED LOCATION THE CONTRACTOR SHALL READDRESS THE INSTALLATION ACCORDINGLY AND IN COMPLIANCE WITH NEC2014, AT NO ADDITIONAL COST.
3. PROVIDE TIER IS RATED HAND HOLE AT ORIGINAL LOCATION OF RADIO TOWER. EXTEND EXISTING CONDUCTORS TO NEW LOCATION OF RADIO TOWER.
4. RELOCATE EXISTING RADIO TOWER AND EXTEND CONDUCTORS TO NEW LOCATION. PROVIDE A 10x3/4" GROUND ROD AND BOND TO RADIO TOWER.
5. DIRECT BURY 1" PVC SCHEDULE 40 CONDUIT 24" BELOW FINISHED GRADE.
6. DIRECT BURY 2" PVC SCHEDULE 40 CONDUIT 24" BELOW FINISHED GRADE. EXTEND EXISTING ANTENNA CONDUCTORS FROM HAND HOLE TO NEW.
7. CONDUIT STUB-UPS ARE TO BE RGS.
8. EXTEND EXISTING EMERGENCY GENERATOR EXHAUST PIPE TO 5'-0" ABOVE ROOF LEVEL. PROVIDE STRUCTURAL SUPPORT AS REQUIRED MOUNT EXHAUST TO SIDE OF EXISTING BUILDING. UPON COMPLETION OF EXHAUST MODIFICATION. PROVIDE GENERATOR LOAD BANK TESTING TO ENGINEER FOR REVIEW AND APPROVAL.

ISSUED FOR BID
DATE: 08-28-2017



REMINGTON, VERNICK & WALBERG ENGINEERS
4907 NEW JERSEY AVENUE
WILDWOOD CITY, N.J. 08260
(800) 522-5150, FAX (800) 522-5313
WEB SITE ADDRESS : WWW.RVE.COM
Certification of Authorization: 24 GA 28048700
-ENGINEERING EXCELLENCE SINCE 1901-

DATE:
EDWARD J. WALBERG
NJ PROFESSIONAL ENGINEER LIC. No. 37259

DATE: 08-28-17
CHRISTOPHER A. SAPONARO
NJ PROFESSIONAL ENGINEER LIC. No. 40059

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.

ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES 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 EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES, AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON & VERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

NO.	REVISION	DATE	BY	CHK

ELECTRICAL SITE PLAN

STONE HARBOR POLICE STATION
SINGLE STORY EXPANSION

NEW JERSEY
CAPE MAY COUNTY
BOROUGH OF STONE HARBOR

DRAWN BY: SM	DESIGN BY: BA	CHECKED BY: [Signature]	SCALE: AS NOTED
DATE: 8/2017	JOB No.: 05-10-U-072.1	SHEET No.:	ES-21

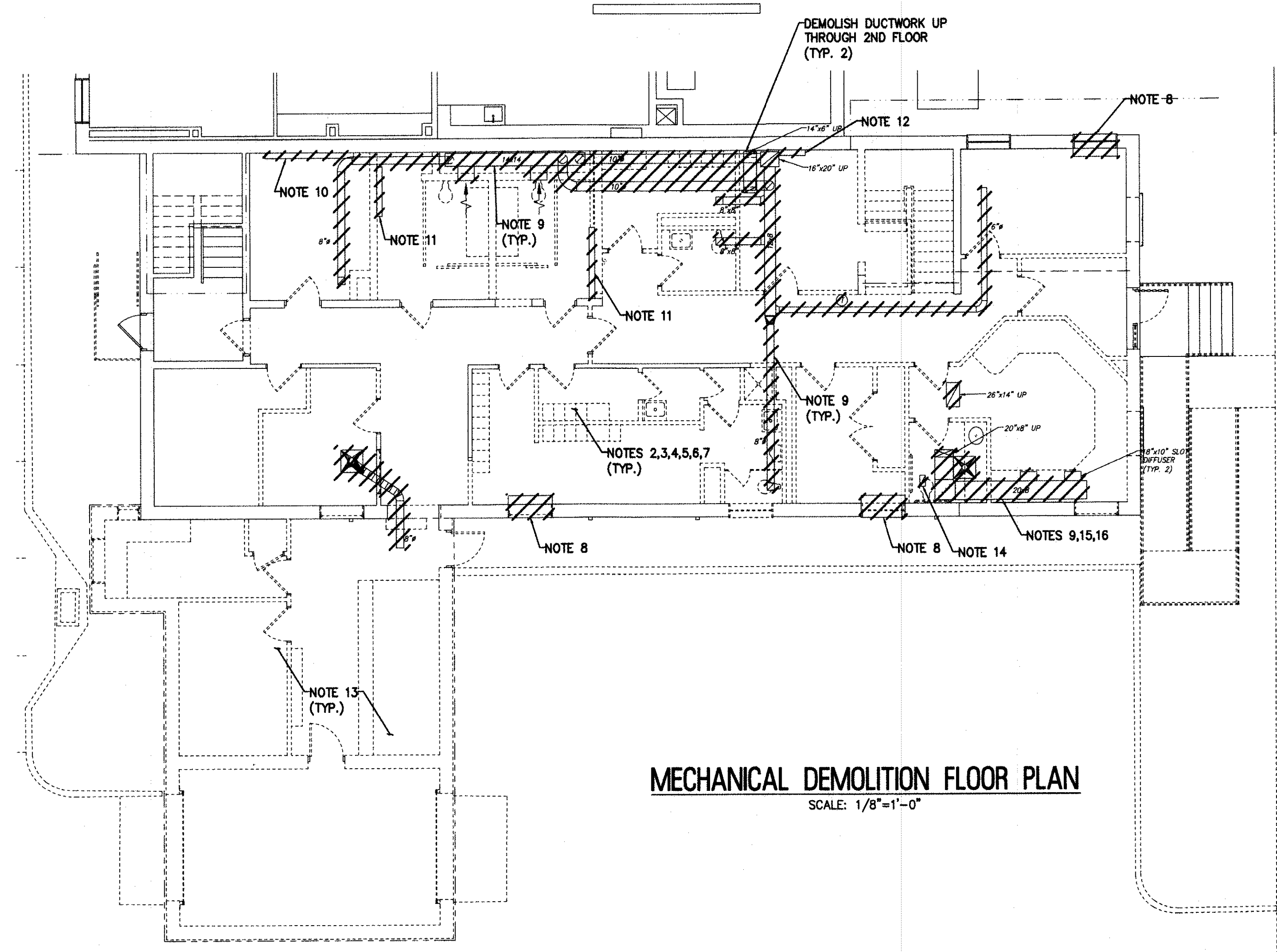


REMINGTON, VERNICK & WALBERG ENGINEERS
 4907 NEW JERSEY AVENUE
 WILDWOOD CITY, N.J. 08260
 (800) 522-5150, FAX (800) 522-5313
 WEB SITE ADDRESS: WWW.RVE.COM
 Certification of Authorization: 24 GA 26048700
 "ENGINEERING EXCELLENCE SINCE 1901"

DATE: _____
EDWARD J. WALBERG
 NJ PROFESSIONAL ENGINEER LIC. No. 37259
Christopher A. Saponaro
 DATE: **08-22-17**
CHRISTOPHER A. SAPONARO
 NJ PROFESSIONAL ENGINEER LIC. No. 40059

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.
 ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES 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 EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN PERMISSION OR ADAPTATION BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO REMINGTON & VERNICK ENGINEERS AND AFFILIATES. AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON & VERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

NO.	REVISION	DATE	BY



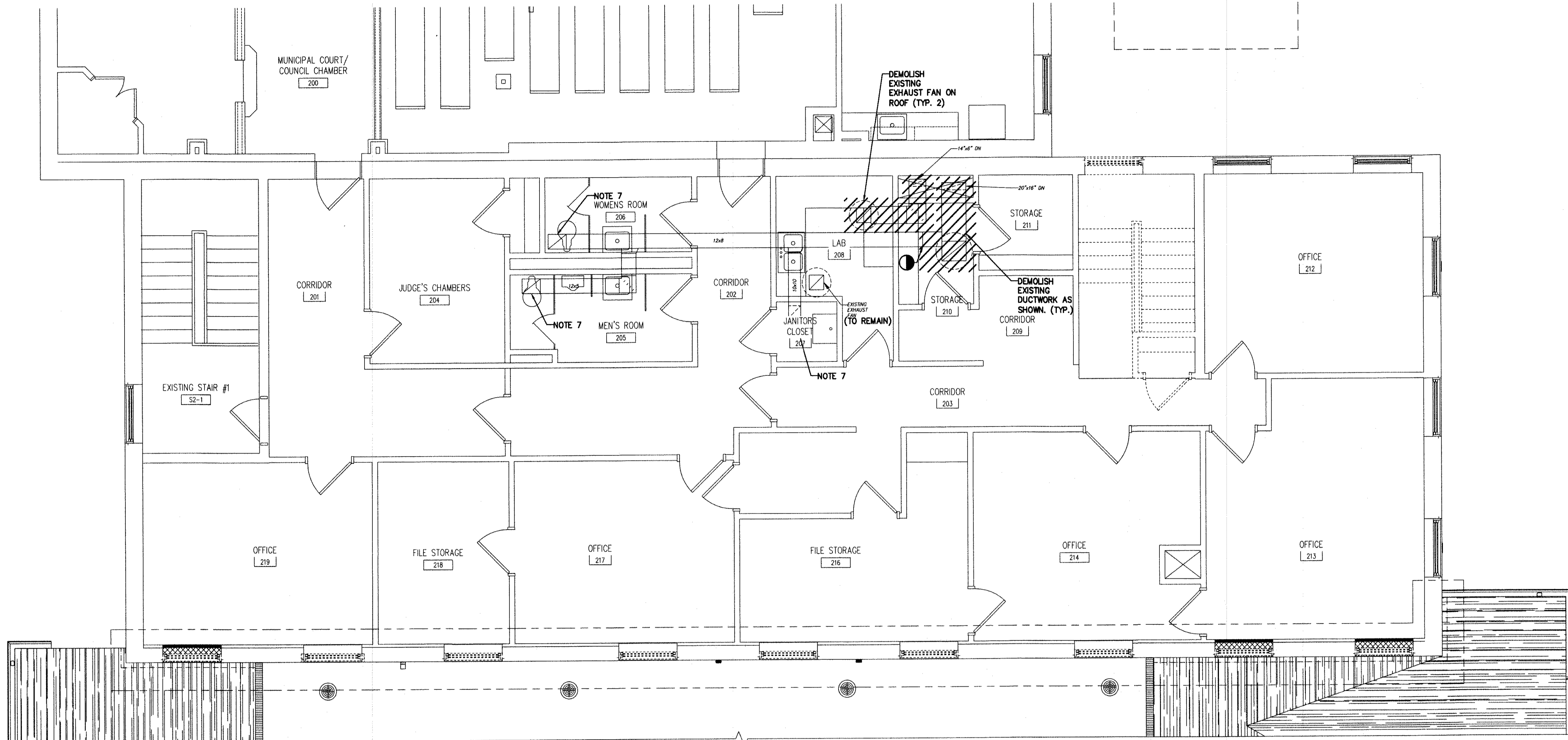
MECHANICAL DEMOLITION FLOOR PLAN
 SCALE: 1/8"=1'-0"

- NOTES:**
- ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING M-1.0 APPLY TO THIS DRAWING.
 - THIS DEMOLITION PLAN HAS BEEN PROVIDED AS A GUIDE. HOWEVER, ALL DEMOLITION REQUIRED TO SUCCESSFULLY COMPLETE THIS PROJECT SHALL BE INCLUDED IN THE SCOPE OF WORK. IT IS THE INTENT OF THE PLANS AND SPECIFICATIONS TO SECURE A COMPLETELY INTERCONNECTED AND FUNCTIONING SYSTEM AND IF ANY WORKMANSHIP OR MATERIALS BE REQUIRED WHICH ARE OBVIOUSLY NECESSARY TO CARRY OUT THE FULL INTENT AND MEANING OF THE PLANS AND SPECIFICATIONS OR TO BE REASONABLY INFERRED THEREFROM, THE COST OF SUCH WORKMANSHIP OR MATERIALS SHALL BE INCLUDED IN THE SCOPE OF WORK.
 - REMOVE PNEUMATIC TUBING BACK TO SOURCE. COORDINATE CONTROL SYSTEM DEMOLITION WITH THE HVAC CONTROL SYSTEM CONTRACTOR.
 - COORDINATE THE DEMOLITION OF THE EXISTING MECHANICAL EQUIPMENT WITH THE ELECTRICAL CONTRACTOR. SEE THE ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL DETAILS.
 - CONTRACTOR TO PERFORM DEMOLITION WORK IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS. COORDINATE ALL EQUIPMENT TO BE SALVAGED WITH THE OWNER PRIOR TO DISPOSAL. OWNER HAS THE RIGHT TO FIRST REFUSAL FOR ALL DEMOLISHED EQUIPMENT AND ACCESSORIES.
 - THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING & REPLACING ANY OR ALL FIXTURES AND/OR AREAS OF THE CEILING, FLOOR OR WALL DAMAGED AS A RESULT OF THE NEW/DEMOLITION WORK. REPAIRED & REPLACED FIXTURES AND PORTIONS OF THE CEILING, FLOOR, OR WALL SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THEIR ORIGINAL CONDITION.
 - CONTRACTOR TO PATCH AND REPAIR ALL PIPING, DUCTWORK, AND TRANSFER AIR PENETRATIONS THROUGH THE EXISTING WALLS AND FLOORS (EVEN IF NOT SHOWN SPECIFICALLY ON THE PLANS) THAT ARE NOT TO BE REUSED AS PART OF THE NEW WORK. MATERIALS AND FINISH OF PATCHED WALLS AND FLOORS TO MATCH THE SURROUNDING INSTALLATION. ALL OPENINGS CREATED BY THE DEMOLITION OF EXISTING EQUIPMENT/ PIPING, DUCTWORK ETC. PENETRATIONS SHALL BE SEALED TO MAINTAIN A 1-HR FIRE RESISTANCE RATING.
 - DEMOLISH EXISTING PTAC AND ALL ASSOCIATED PIPING, CONTROLS, AND ACCESSORIES.
 - DEMOLISH DUCTWORK, DIFFUSERS, AND ALL ACCESSORIES.
 - DEMOLISH EXISTING FINNED TUBE BASEBOARD RADIATION, PIPING, CONTROLS, AND ALL ACCESSORIES.
 - DEMOLISH EXISTING ELECTRIC BASEBOARD HEATER & ALL ACCESSORIES.
 - DEMOLISH EXISTING FAN COIL UNIT, PIPING, CONTROLS, AND ACCESSORIES.
 - COORDINATE W/ GENERAL CONTRACTOR FOR DEMOLITION OF EXISTING HVAC SYSTEM IN SALLYPORT. HVAC SYSTEM INCLUDES SPLIT AC UNIT, GAS FURNACE, AND ELECTRIC HEATING UNITS.
 - DEMOLISH EXISTING EXHAUST FAN, DUCTWORK, CONTROLS, AND ACCESSORIES.
 - CONTRACTOR SHALL MEASURE AIRFLOW FROM RTU AND FROM DIFFUSERS ON THE FIRST FLOOR PRIOR TO DEMOLITION. REBALANCE EXISTING 2ND FLOOR RTU LESS MEASURED AIRFLOW ON 1ST FLOOR.
 - CAP EXISTING SUPPLY & RETURN DUCTWORK FROM 2ND FLOOR.

MECHANICAL DEMOLITION FLOOR PLAN
 STONE HARBOR POLICE STATION
 SINGLE STORY EXPANSION
 BOROUGH OF STONE HARBOR CAPE MAY COUNTY NEW JERSEY

DRAWN BY:	DESIGN BY:	CHECKED BY:	SCALE:
B.Z.	T.K.	<i>EW</i>	AS NOTED
DATE:	SHEET No.:		
8/2017	M-11		
JOB No.:			
05-104-072.1			

ISSUED FOR BID
 DATE: 08-26-2017



MECHANICAL ENLARGED DEMOLITION SECOND FLOOR PLAN

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

NOTES:

- ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING M-1.0 APPLY TO THIS DRAWING.
- THIS DEMOLITION PLAN HAS BEEN PROVIDED AS A GUIDE. HOWEVER, ALL DEMOLITION REQUIRED TO SUCCESSFULLY COMPLETE THIS PROJECT SHALL BE INCLUDED IN THE SCOPE OF WORK. IT IS THE INTENT OF THE PLANS AND SPECIFICATIONS TO SECURE A COMPLETELY INTERCONNECTED AND FUNCTIONING SYSTEM AND IF ANY WORKMANSHIP OR MATERIALS BE REQUIRED WHICH ARE OBVIOUSLY NECESSARY TO CARRY OUT THE FULL INTENT AND MEANING OF THE PLANS AND SPECIFICATIONS OR TO BE REASONABLY INFERRED THEREFROM, THE COST OF SUCH WORKMANSHIP OR MATERIALS SHALL BE INCLUDED IN THE SCOPE OF WORK.
- COORDINATE THE DEMOLITION OF THE EXISTING MECHANICAL EQUIPMENT WITH THE ELECTRICAL CONTRACTOR. SEE THE ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL DETAILS.
- COORDINATE THE DEMOLITION OF THE EXISTING MECHANICAL EQUIPMENT WITH THE ELECTRICAL CONTRACTOR. SEE THE ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL DETAILS.
- CONTRACTOR TO PERFORM DEMOLITION WORK IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS. COORDINATE ALL EQUIPMENT TO BE SALVAGED WITH THE OWNER PRIOR TO DISPOSAL. OWNER HAS THE RIGHT TO FIRST REFUSAL FOR ALL DEMOLISHED EQUIPMENT AND ACCESSORIES.
- THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING & REPLACING ANY OR ALL FIXTURES AND/OR AREAS OF THE CEILING, FLOOR OR WALL DAMAGED AS A RESULT OF THE NEW/DEMOLITION WORK. REPAIRED & REPLACED FIXTURES AND PORTIONS OF THE CEILING, FLOOR, OR WALL SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THEIR ORIGINAL CONDITION.
- CONTRACTOR SHALL TAKE PRE-DEMOLITION AIRFLOW MEASUREMENTS FOR EXISTING EXHAUST REGISTERS.



REMINGTON, VERNICK & WALBERG ENGINEERS
 4907 NEW JERSEY AVENUE
 WILDWOOD CITY, N.J. 08260
 (800) 522-5150, FAX (800) 522-5313
 WEB SITE ADDRESS : WWW.RVE.COM
 Certification of Authorization: 24 GA 28048700
 -ENGINEERING EXCELLENCE SINCE 1901-

DATE: **EDWARD J. WALBERG**
 NJ PROFESSIONAL ENGINEER LIC. No. 37259

DATE: *08-22-17*
CHRISTOPHER A. SAPONARO
 NJ PROFESSIONAL ENGINEER LIC. No. 40059

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.

ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES 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 EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO REMINGTON & VERNICK ENGINEERS AND AFFILIATES; AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON & VERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

NO.	REVISION	DATE	BY	CHK

MECHANICAL ENLARGED DEMOLITION SECOND FLOOR PLAN

STONE HARBOR POLICE STATION
 SINGLE STORY EXPANSION

BOROUGH OF STONE HARBOR CAPE MAY COUNTY NEW JERSEY

DRAWN BY: B.Z.	DESIGN BY: T.K.	CHECKED BY: <i>[Signature]</i>	SCALE: AS NOTED
DATE: 8/2017	SHEET No.:	M-12	
JOB No.:	05-10-072.1		

ISSUED FOR BID
 DATE: 08-28-2017

Program Name: RemingtonVernick080817: 05-10-072.1 Mechanical Enlarged Demolition Second Floor Plan.dwg



REMINGTON, VERNICK & WALBERG ENGINEERS
 4907 NEW JERSEY AVENUE
 WILDWOOD CITY, N.J. 08260
 (800) 522-5150, FAX (800) 522-5313
 WEB SITE ADDRESS: WWW.RVE.COM
 Certification of Authorization: 24 GA 28048700
 -ENGINEERING EXCELLENCE SINCE 1901-

DATE:
EDWARD J. WALBERG
 NJ PROFESSIONAL ENGINEER LIC. No. 37259

DATE: *08-28-17*
CHRISTOPHER A. SAPONARO
 NJ PROFESSIONAL ENGINEER LIC. No. 40059

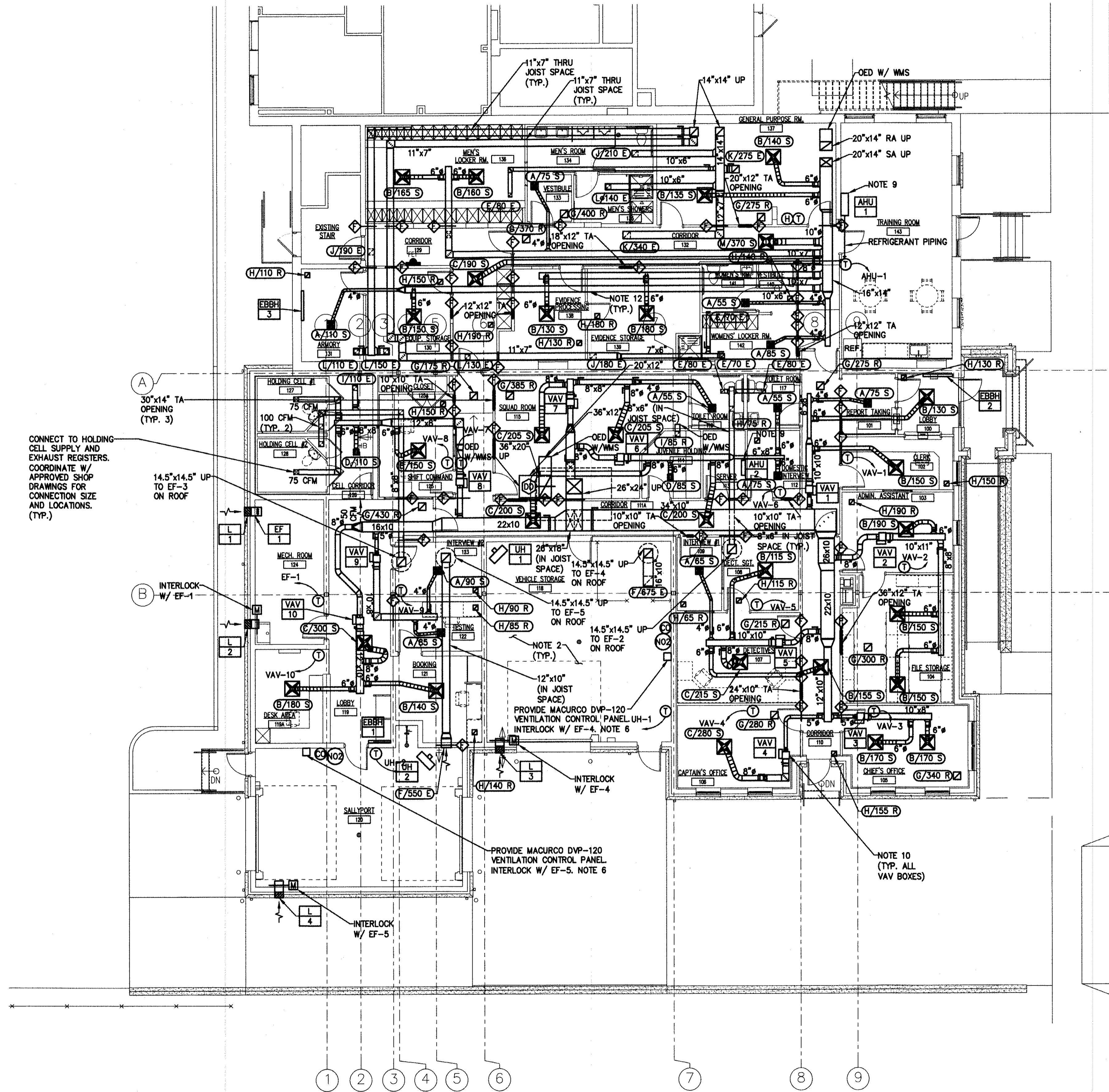
PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.

ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES 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 EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO REMINGTON & VERNICK ENGINEERS AND AFFILIATES. OWNER SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON & VERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

NO.	REVISION	DATE	BY

MECHANICAL FLOOR PLAN
STONE HARBOR POLICE STATION
SINGLE STORY EXPANSION
 BOROUGHS OF STONE HARBOR
 CAPE MAY COUNTY
 NEW JERSEY

DRAWN BY: B.Z.	DESIGN BY: TJC	CHECKED BY: <i>[Signature]</i>	SCALE: AS NOTED
DATE: 8/2017	SHEET No.: M-21	ISSUED FOR BID	
JOB No.: 05-10-U-072.1	DATE: 08-28-2017		



MECHANICAL FLOOR PLAN
 SCALE: 1/8"=1'-0"

NOTES:

- ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING M-1.0 APPLY TO THIS DRAWING.
- DUCTWORK ROUTINGS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL ROUTINGS IN THE FIELD TO AVOID INTERFERENCES. CONTRACTOR TO COORDINATE DUCTWORK/UNIT INSTALLATION WITH ALL STRUCTURAL STEEL, ELECTRICAL CONDUIT, SYSTEMS WIRING/CABLE, FIRE PROTECTION PIPING, PLUMBING PIPING (SANITARY DRAINAGE, ROOF DRAINAGE, DOMESTIC HOT/COLD WATER AND GAS PIPING), ETC. AS REQUIRED. ALL MODIFICATIONS MADE TO THE NEW DUCTWORK OR PIPING TO RESOLVE INTERFERENCES SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. SEE DIVISION 26 DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- PROVIDE BUILDING AUTOMATION SYSTEM (BAS) FOR CONTROL OF HVAC SYSTEM. PROVIDE BAS IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS.
- PROVIDE INLINE SOUND ATTENUATORS. SOUND ATTENUATOR SHALL BE MODEL LLP-36 AS MANUFACTURED BY AEROSONICS OR APPROVED EQUAL. SOUND ATTENUATOR SHALL BE OF ALUMINUM CONSTRUCTION AND BE PROVIDED WITH MYLAR LINER.
- NOT ALL INLINE DEVICES (VALVES, DAMPERS, REDUCERS, ETC.) HAVE BEEN SHOWN ON THE PLANS FOR CLARITY. SEE PIPING DETAILS ON MECHANICAL DETAIL DRAWINGS FOR ADDITIONAL INFORMATION. PROVIDE ALL INLINE DEVICES (VALVES, DAMPERS, REDUCERS, GAUGES, ETC.) AS REQUIRED TO COMPLETE THE INSTALLATION EVEN IF NOT SPECIFICALLY SHOWN ON THE PLANS OR DETAILS.
- THE MACURCO AUTOMATIC EXHAUST FAN CONTROLLER SHALL ACTIVATE THE GARAGE BAY EXHAUST FANS AND ALARM BELL ON A DETECTION OF NITROGEN DIOXIDE OR CARBON MONOXIDE GAS. DETECTION LEVELS SHALL BE AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER. PROVIDE SYSTEM WITH A MANUAL OVERRIDE SWITCH SUCH THAT THE FANS CAN RUN CONTINUOUSLY. QUANTITY AND LOCATION OF SENSORS SHALL BE AS RECOMMENDED BY THE MANUFACTURER.
- PROVIDE CONDENSATE DRAIN PIPING FOR ALL DUCTLESS WALL MOUNTED AIR CONDITIONERS. ROUTE DRAIN PIPING TO OUTDOOR COURTYARD.
- ROUTE DUCTWORK THROUGH JOIST WEBBING.
- PROVIDE CONDENSATE PUMP. ROUTE CONDENSATE TO OUTDOORS OR NEAREST LAVATORY. CONCEAL CONDENSATE PIPING ABOVE CEILINGS AND INSIDE WALL.
- CONTRACTOR SHALL MAINTAIN 36" IN FRONT OF VAV CONTROL BOX. FINAL LOCATION AND ORIENTATION OF VAV BOX SHALL BE DETERMINED IN THE FIELD. MAINTAIN A STRAIGHT LENGTH OF DUCTWORK EQUAL TO 1.5X THE DUCT DIAMETER.
- PROVIDE SECURITY LOCKING COVERS FOR THERMOSTAT, CO AND NO2 DETECTORS IN SALLY PORT.
- ROUTE DUCTWORK THROUGH EXISTING JOIST. RELOCATE CROSS BRACING AS REQUIRED. PROVIDE NEW CROSS BRACING AS NECESSARY TO SUPPORT JOISTS. COORDINATE FINAL ROUTING IN FIELD.

CONNECT TO HOLDING CELL SUPPLY AND EXHAUST REGISTERS. COORDINATE W/ APPROVED SHOP DRAWINGS FOR CONNECTION SIZE AND LOCATIONS. (TYP.)

INTERLOCK W/ EF-1

PROVIDE MACURCO DVP-120 VENTILATION CONTROL PANEL. INTERLOCK W/ EF-4. NOTE 6

PROVIDE MACURCO DVP-120 VENTILATION CONTROL PANEL. INTERLOCK W/ EF-5. NOTE 6

NOTE 10 (TYP. ALL VAV BOXES)



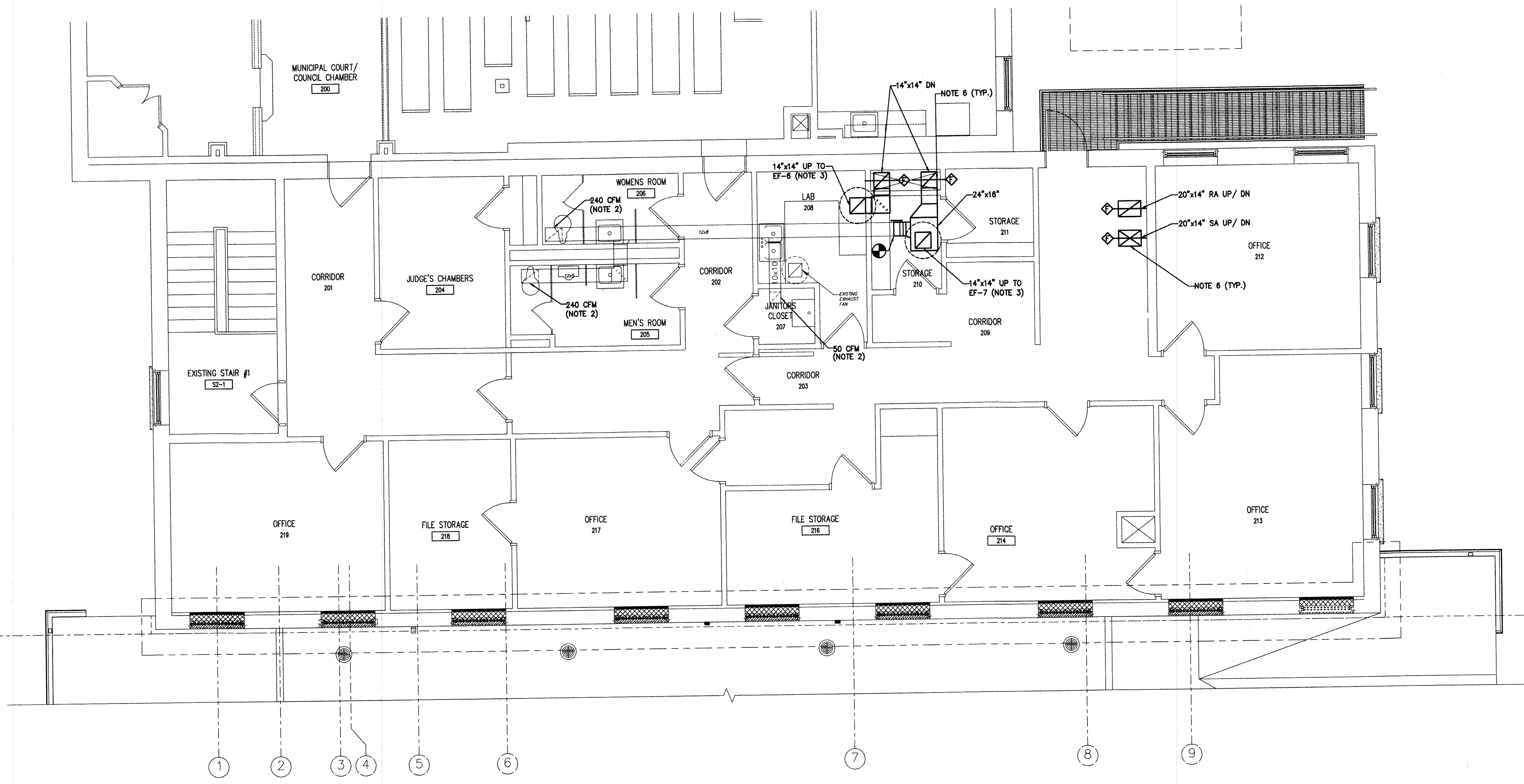
REMINGTON, VERNICK & WALBERG ENGINEERS
 4907 NEW JERSEY AVENUE
 WILDWOOD CITY, N.J. 08280
 (609) 522-5150, FAX (609) 522-5313
 WEB SITE ADDRESS: WWW.RVW.COM
 Certification of Authorization: 24 GA 28048700
 -ENGINEERING EXCELLENCE SINCE 1901-

DATE:
EDWARD J. WALBERG
 NJ PROFESSIONAL ENGINEER LIC. No. 37259
Christopher A. Saponaro
 DATE: *05-22-17*
CHRISTOPHER A. SAPONARO
 NJ PROFESSIONAL ENGINEER LIC. No. 40059

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.

ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES 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 EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO REMINGTON & VERNICK ENGINEERS AND AFFILIATES. AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON & VERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

NO.	REVISION	DATE	BY	CHK.



MECHANICAL ENLARGED SECOND FLOOR PLAN
 SCALE: 1/4"=1'-0"

- NOTES:**
- ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING M-1.0 APPLY TO THIS DRAWING.
 - THE APPROXIMATE EXISTING AIRFLOW IS SHOWN. BALANCE AIRFLOW TO PRE-DEMOLITION MEASURED AIRFLOW RATES.
 - RE-USE EXISTING ROOF OPENING AND ROOF CURB. PROVIDE ALL SHEET METAL TRANSITIONS AS REQUIRED.
 - DUCTWORK ROUTINGS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL ROUTINGS IN THE FIELD TO AVOID INTERFERENCES. CONTRACTOR TO COORDINATE DUCTWORK/UNIT INSTALLATION WITH ALL STRUCTURAL STEEL, ELECTRICAL CONDUIT, SYSTEMS WIRING/CABLE, FIRE PROTECTION PIPING, PLUMBING PIPING (SANITARY DRAINAGE, ROOF DRAINAGE, DOMESTIC HOT/COLD WATER AND GAS PIPING), ETC. AS REQUIRED. ALL MODIFICATIONS MADE TO THE NEW DUCTWORK OR PIPING TO RESOLVE INTERFERENCES SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. SEE DIVISION 26 DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 - NOT ALL INLINE DEVICES (VALVES, DAMPERS, REDUCERS, ETC.) HAVE BEEN SHOWN ON THE PLANS FOR CLARITY. SEE PIPING DETAILS ON MECHANICAL DETAIL DRAWINGS FOR ADDITIONAL INFORMATION. PROVIDE ALL INLINE DEVICES (VALVES, DAMPERS, REDUCERS, GAUGES, ETC.) AS REQUIRED TO COMPLETE THE INSTALLATION EVEN IF NOT SPECIFICALLY SHOWN ON THE PLANS OR DETAILS.
 - PROVIDE ACCESS PANELS FOR FIRE DAMPERS.

MECHANICAL ENLARGED SECOND FLOOR PLAN
 STONE HARBOR POLICE STATION
 SINGLE STORY EXPANSION
 BOROUGH OF STONE HARBOR
 CAPE MAY COUNTY
 NEW JERSEY

DRAWN BY: B.Z.	DESIGN BY: T.K.	SCALE: AS NOTED
DATE: 8/2017	SHEET NO.:	M-22
JOB NO.:	05-10-U-072.1	

ISSUED FOR BID
 DATE: 08-28-2017



**REMINGTON, VERNICK
& WALBERG ENGINEERS**
4907 NEW JERSEY AVENUE
WILDWOOD CITY, N.J. 08260
(609) 522-6150, FAX (609) 522-6313
WEB SITE ADDRESS : WWW.RVE.COM
Certification of Authorization: 24 GA 28048700
ENGINEERING EXCELLENCE SINCE 1901

DATE:
EDWARD J. WALBERG
NJ PROFESSIONAL ENGINEER LIC. No. 37259

Christopher A. Saponaro
DATE: 08-22-17
CHRISTOPHER A. SAPONARO
NJ PROFESSIONAL ENGINEER LIC. No. 40059

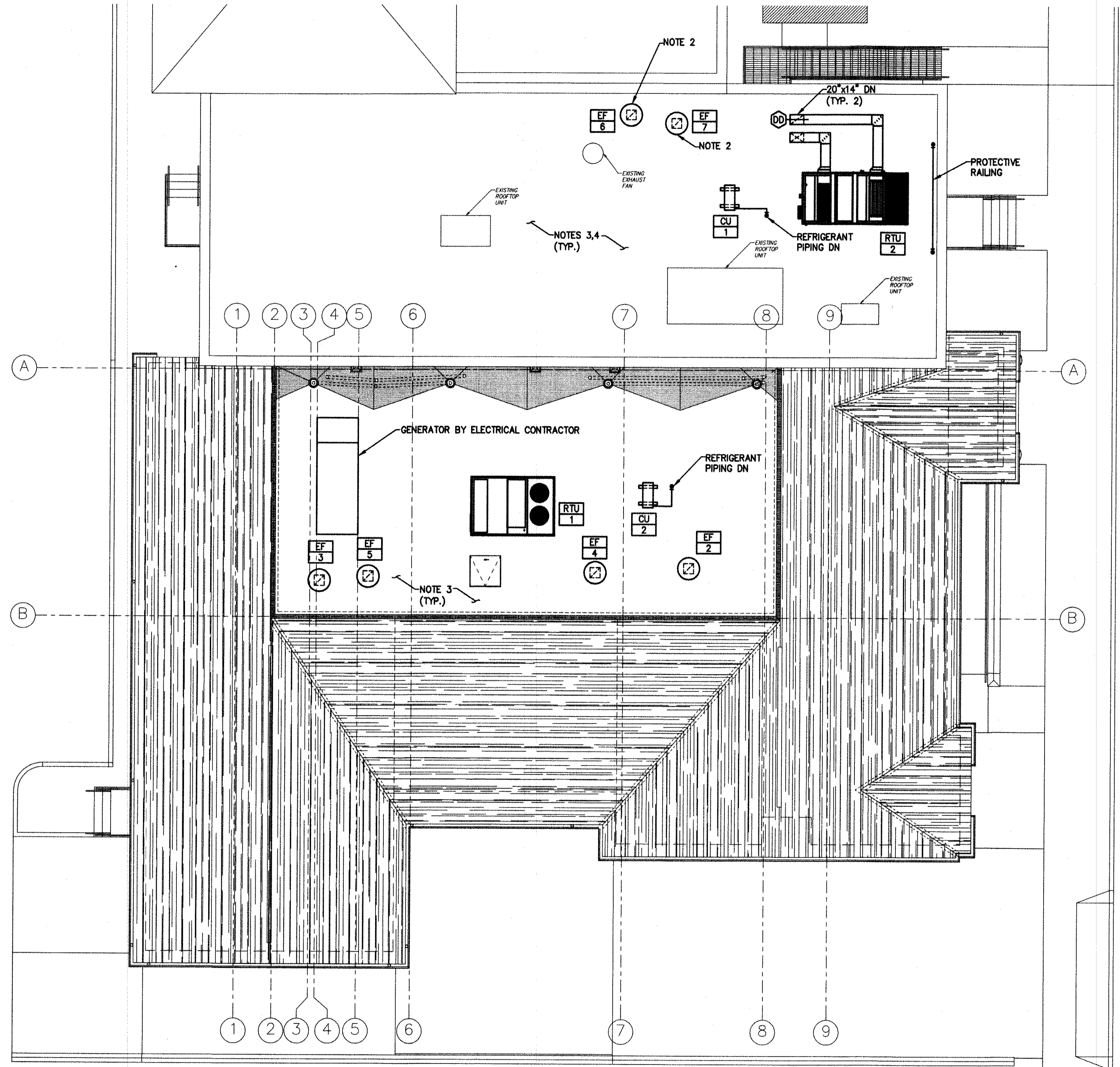
PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.

ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES 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 EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO REMINGTON & VERNICK ENGINEERS AND AFFILIATES. AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON & VERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

NO.	REVISION	DATE	BY

MECHANICAL ROOF PLAN
STONE HARBOR POLICE STATION
SINGLE STORY EXPANSION
BOROUGH OF STONE HARBOR
CAPE MAY COUNTY
NEW JERSEY

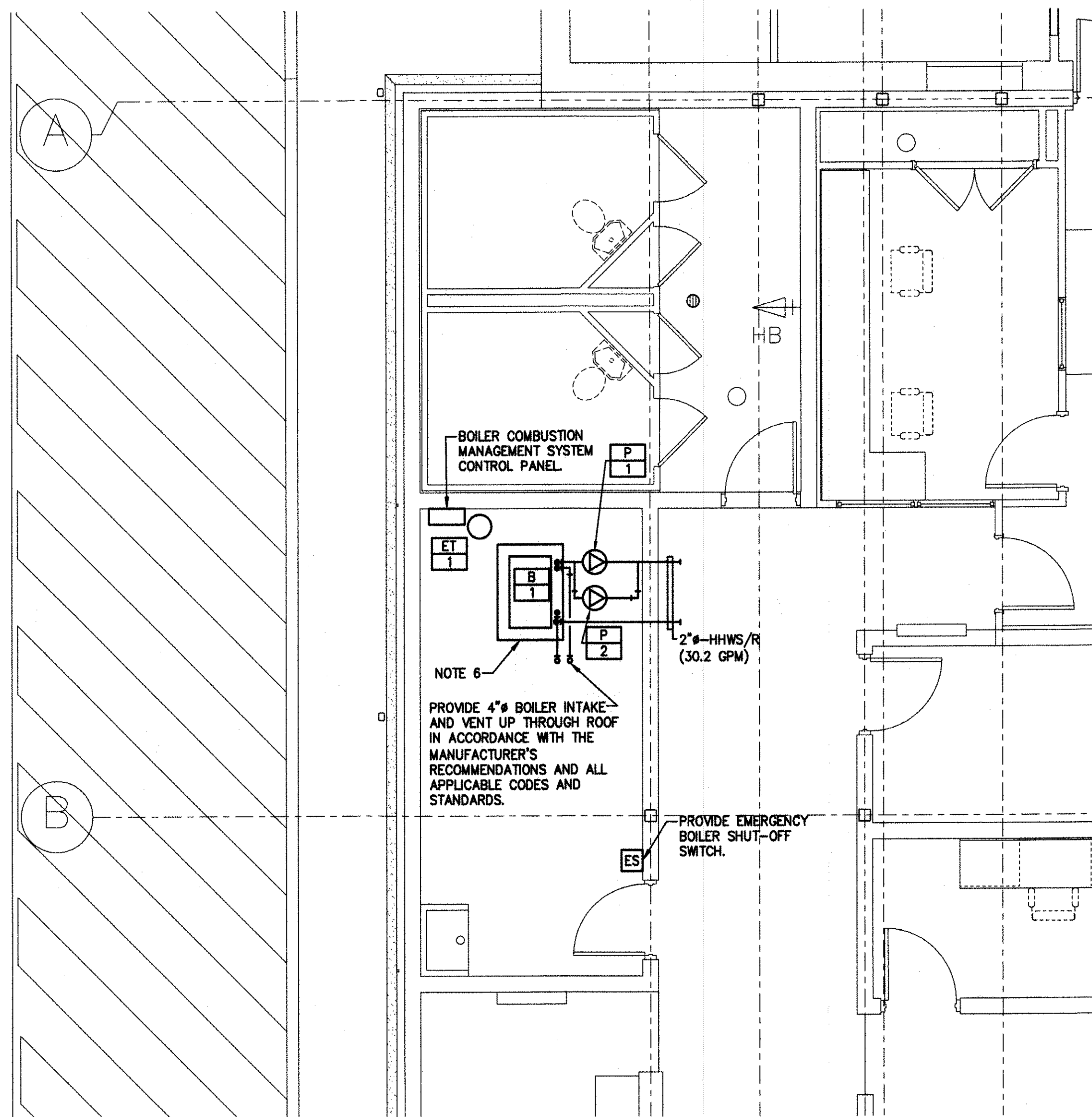
DATE: 8/2017	SCALE: AS NOTED
DATE: 8/2017	SHEET No.: M-23
DATE: 05-10-U-072.1	



MECHANICAL ROOF PLAN
SCALE: 1/8"=1'-0"

- NOTES:**
1. ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING A-M-1.0 APPLY TO THIS DRAWING.
 2. EXISTING ROOF CURB TO REMAIN. PROVIDE ADAPTER CURB/ SHEET METAL TRANSITION TO INSTALL NEW EXHAUST FAN. VERIFY DIMENSIONS IN FIELD.
 3. PROVIDE STRUCTURAL SUPPORT AND/ OR EQUIPMENT CURBS FOR ALL MECHANICAL EQUIPMENT. SEE EQUIPMENT SCHEDULES FOR ADDITIONAL REQUIREMENTS. COORDINATE WITH STRUCTURAL CONTRACTOR FOR ALL EQUIPMENT SUPPORTS AND ROOF PENETRATIONS.
 4. COORDINATE W/ OWNER TO MAINTAIN EXISTING ROOF WARRANTY FOR ALL PENETRATIONS THROUGH THE EXISTING ROOF.

ISSUED FOR BID
DATE: 08-29-2017



MECHANICAL ENLARGED BOILER ROOM HYDRONIC PIPING PLAN

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

NOTES:

1. ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING M-1.0 APPLY TO THIS DRAWING.
2. COORDINATE PIPING LAYOUTS IN ALL AREAS WITH OTHER TRADES PRIOR TO INSTALLATION TO AVOID INTERFERENCE.
3. NOT ALL PIPE SIZES AND IN-LINE DEVICES ARE SHOWN ON THE PLAN FOR CLARITY, SEE THE DETAIL SHEET(S) FOR ADDITIONAL INFORMATION. THE CONTRACTOR SHALL PROVIDE ALL REDUCERS, VALVES, ETC. AS REQUIRED TO COMPLETE THE NEW WORK EVEN IF NOT SPECIFICALLY SHOWN ON THE PLAN OR DETAIL DRAWINGS.
4. PROVIDE EMERGENCY BURNER SHUT-OFF SWITCHES IN ACCORDANCE WITH CONTRACT SPECIFICATIONS.
5. PROVIDE CONDENSATE NEUTRALIZATION DEVICE IN DRAIN LINE FOR BOILER.
6. PROVIDE NEW 4" THICK CONCRETE PAD. PAD TO EXTEND 6 INCHES PAST BOILER ON ALL SIDES. INCLUDE WWF 6x6-W2.9xW2.9 IMBEDDED AT MID-DEPTH. PREPARE CONCRETE FLOOR WITH BONDING AGENT TO ENSURE PROPER ADHESION OF NEW CONCRETE PAD. PROVIDE SIX (6) #4 REINFORCING BARS AT A MINIMUM 3" EMBEDMENT AT FOUR (4) CORNERS AND AT MID SPAN ON LONGEST SIDE OF PAD. BARS SHOULD EXTEND 3" ABOVE EXISTING FINISHED FLOOR. GROUT BARS INTO EXISTING FLOOR PRIOR TO POURING NEW EQUIPMENT PAD. CONCRETE PAD SHALL BE IN ACCORDANCE WITH THE DIVISION 15 SPECIFICATIONS.
7. PROVIDE FUEL GAS TRIN VENTS IN ACCORDANCE WITH ALL APPLICABLE CODES.



REMINGTON, VERNICK & WALBERG ENGINEERS
 4907 NEW JERSEY AVENUE
 WILDWOOD CITY, N.J. 08260
 (609) 522-5150, FAX (609) 522-5313
 WEB SITE ADDRESS: WWW.RVE.COM
 Certification of Authorization: 24 GA 28048700
 -ENGINEERING EXCELLENCE SINCE 1901-

DATE:
EDWARD J. WALBERG
 NJ PROFESSIONAL ENGINEER LIC. No. 37259

Christopher A. Saponaro
 DATE: *05-22-17*
CHRISTOPHER A. SAPONARO
 NJ PROFESSIONAL ENGINEER LIC. No. 40059

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID

ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES 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 EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO REMINGTON & VERNICK ENGINEERS AND AFFILIATES. AND OTHER SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON & VERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

NO.	REVISION	DATE	BY	CHK

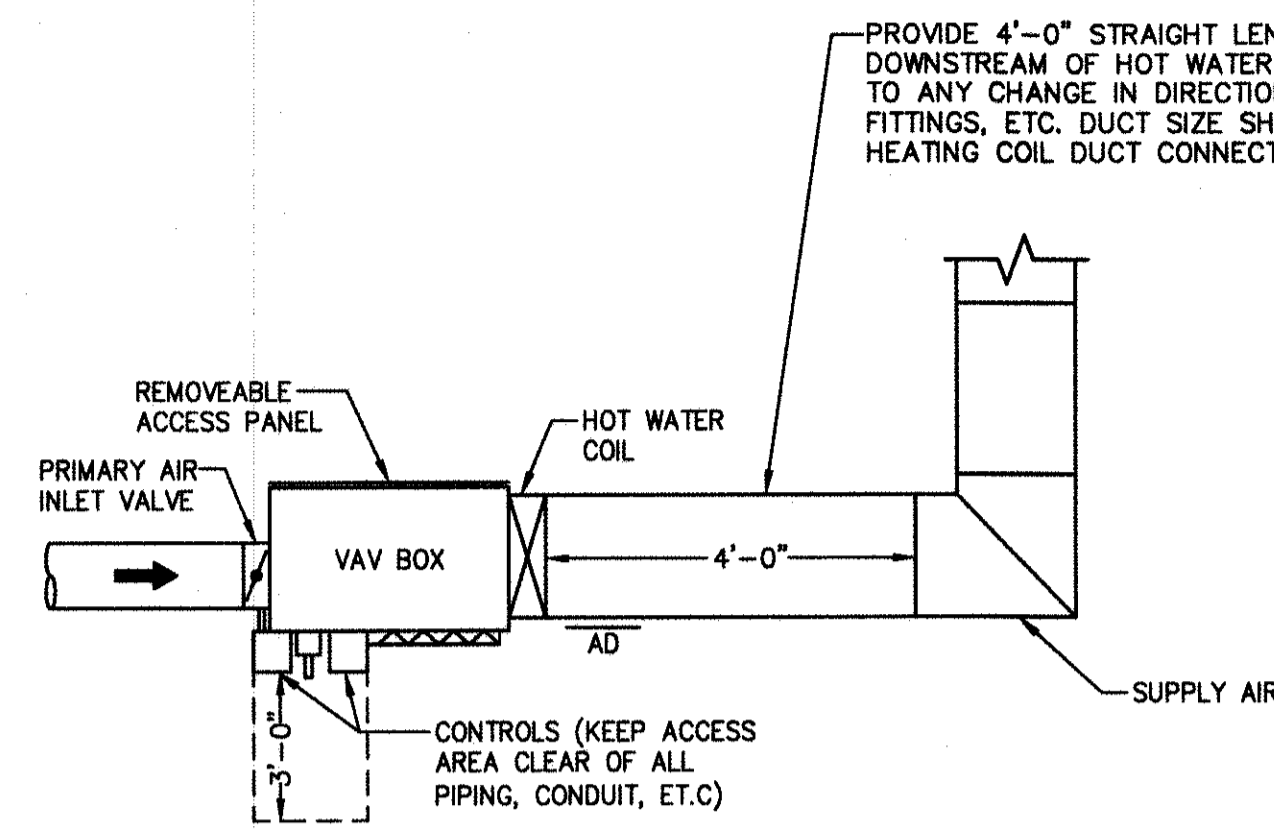
MECHANICAL ENLARGED BOILER ROOM HYDRONIC PIPING PLAN

STONE HARBOR POLICE STATION SINGLE STORY EXPANSION

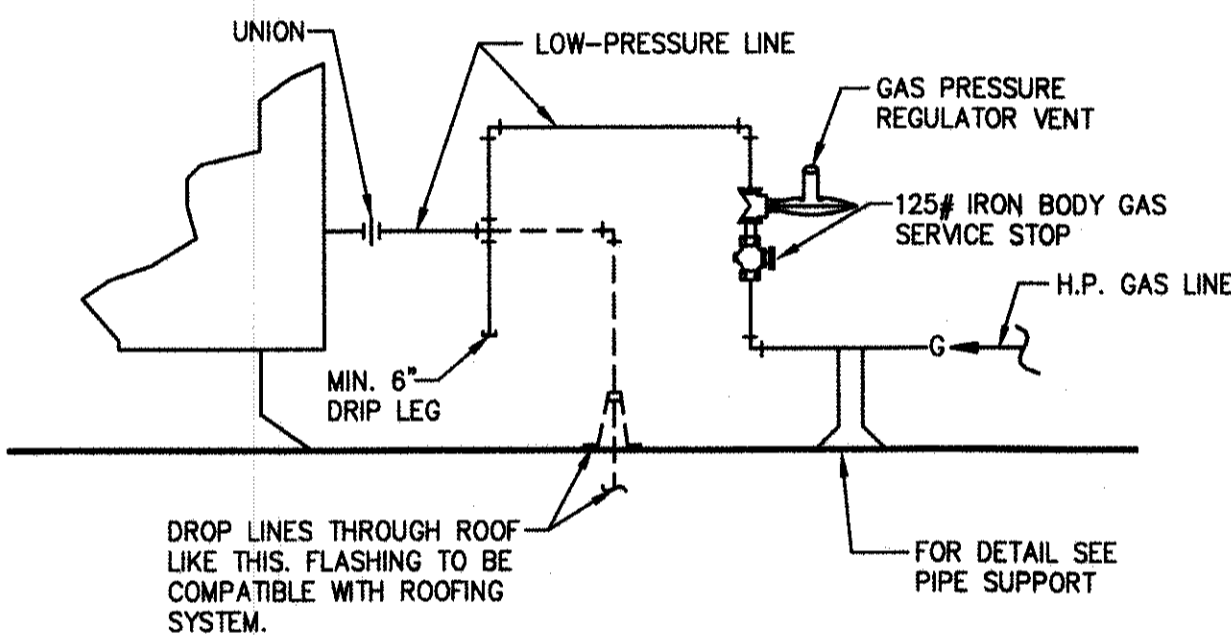
BOROUGH OF STONE HARBOR CAPE MAY COUNTY NEW JERSEY

ISSUED FOR BID
 DATE: 08-29-2017

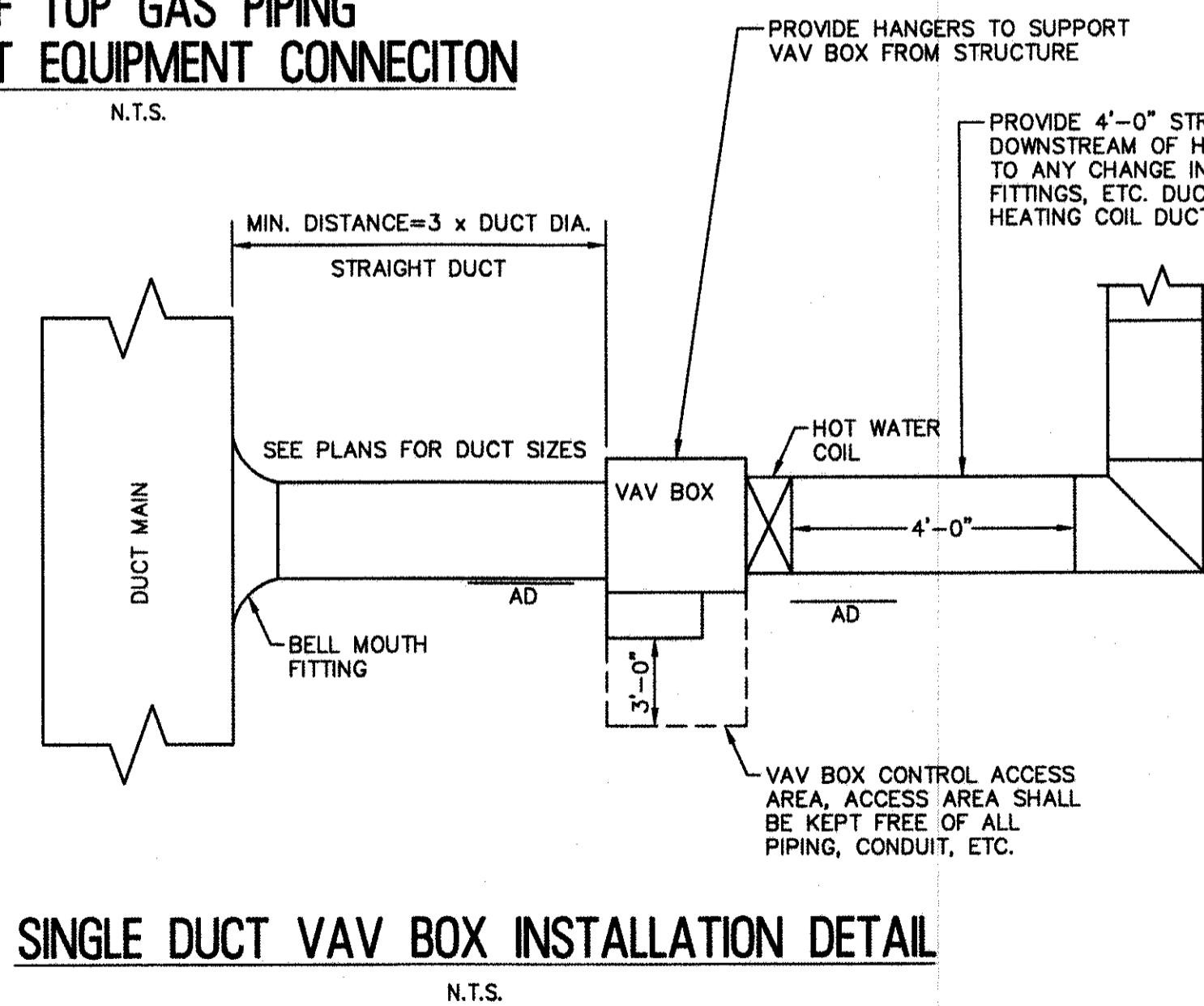
DATE: 8/2017	AS NOTED
JOB No.: 05-104J-072.1	SHEET No.: M-3.2



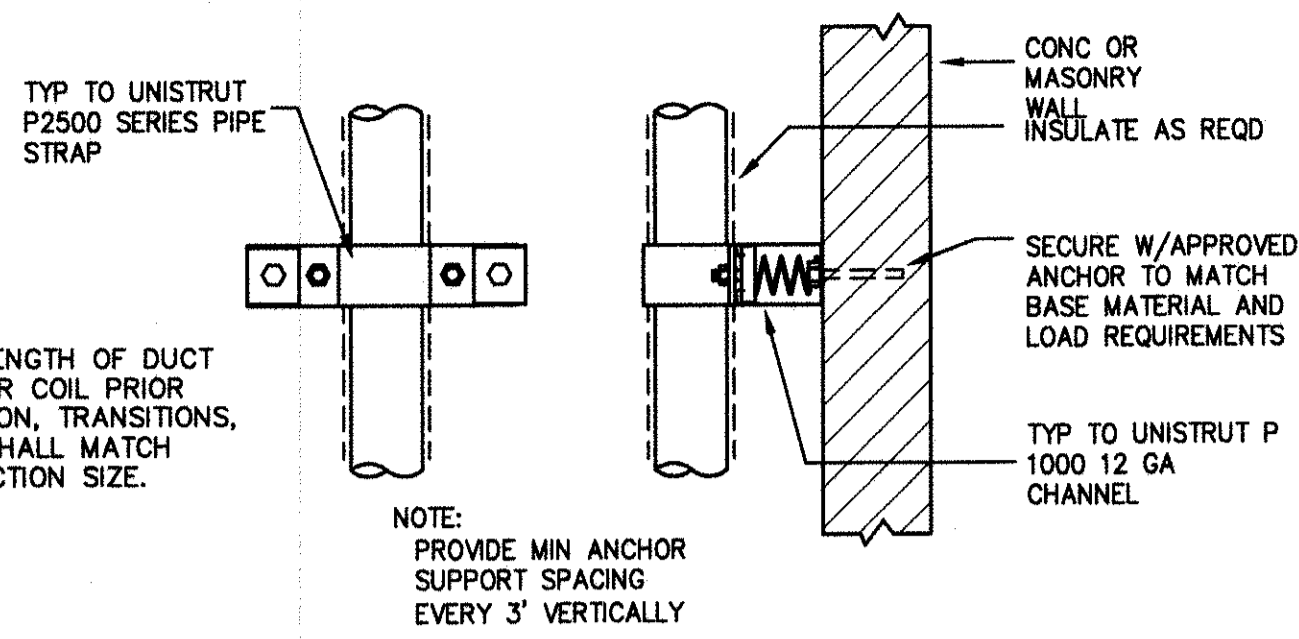
FAN POWERED VAV BOX DETAIL
N.T.S.



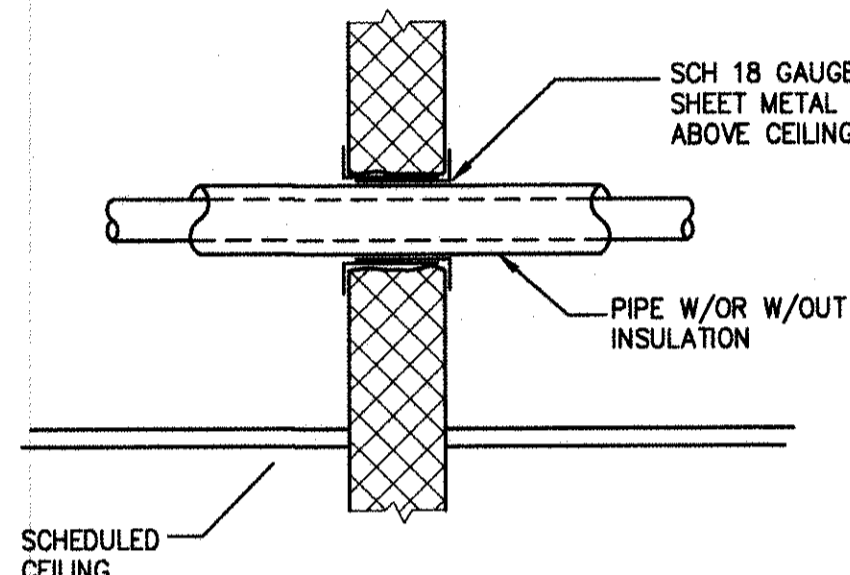
ROOF TOP GAS PIPING SUPPORT AT EQUIPMENT CONNECTION
N.T.S.



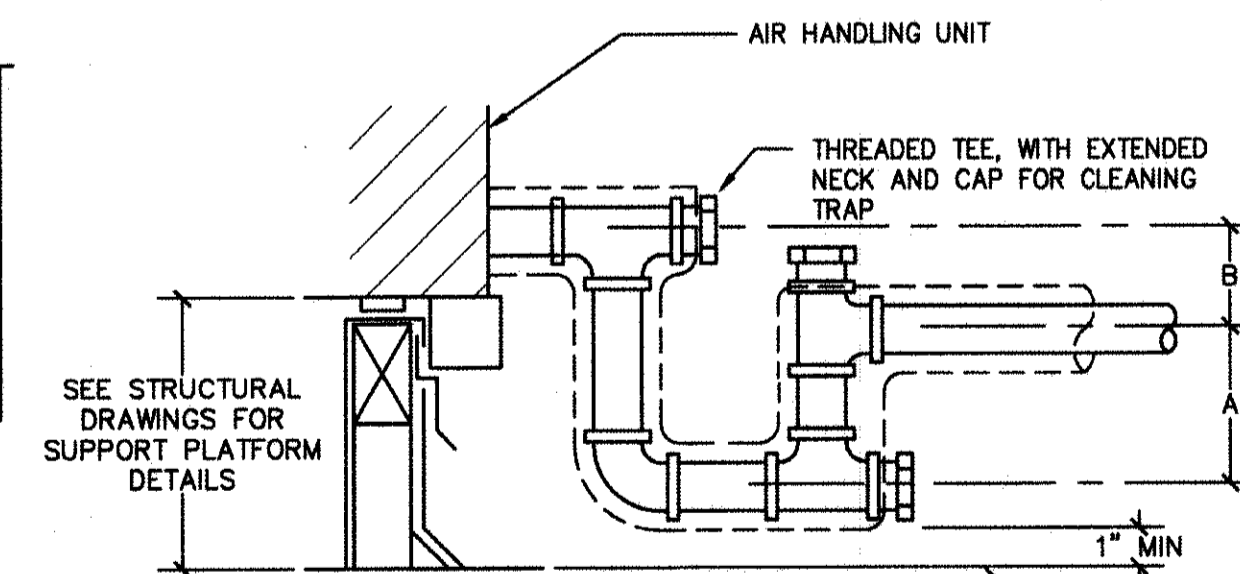
SINGLE DUCT VAV BOX INSTALLATION DETAIL
N.T.S.



VERTICAL PIPE BRACKET SUPPORT
N.T.S.



PIPE PENETRATION THRU WALL ABOVE CEILING
N.T.S.

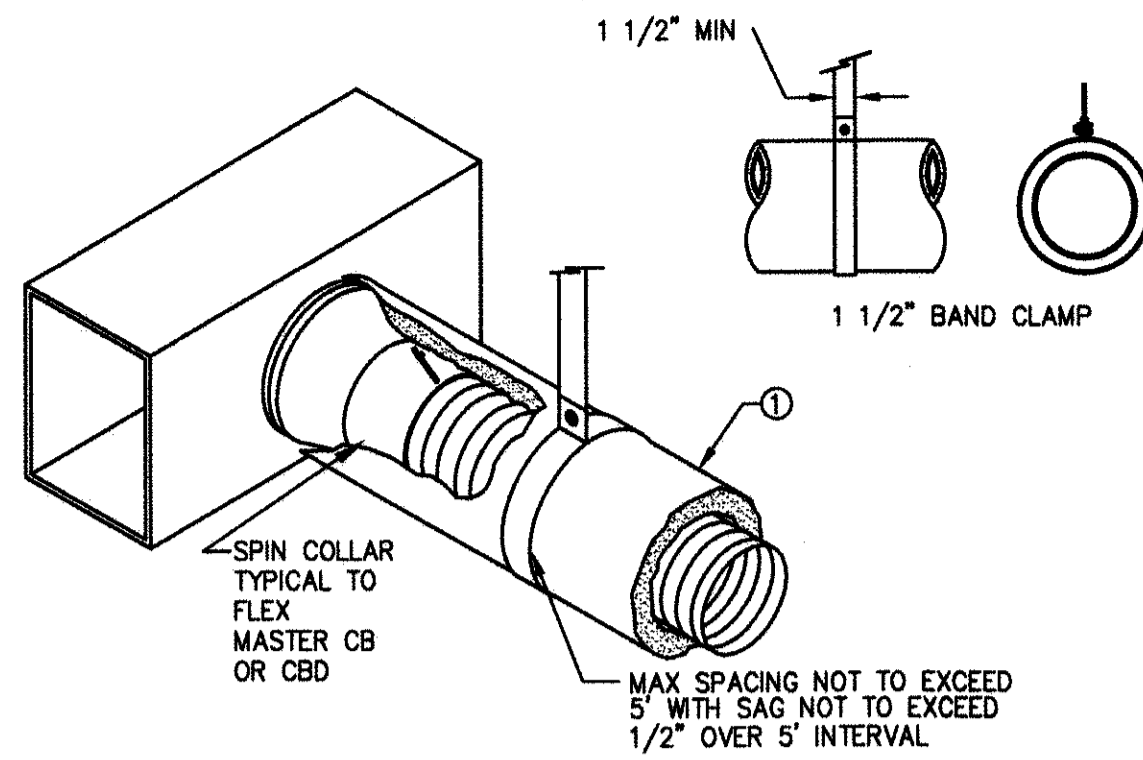


BLOWTHRU:
A = GREATER OF 4" OR 1/2" PLUS AHU TOTAL PRESSURE IN INCHES-WC

DRAWTHRU:
B = GREATER OF 2" OR 1/2" PLUS AHU TOTAL PRESSURE IN INCHES-WC

- NOTES:
- 1" MIN PIPE SIZE OR SIZE PER DRAIN TAP IN AHU INSULATE FOR CONDENSATE CONTROL AS REQD
 - CURB HEIGHT DETERMINED BY SPACE REQD TO INSTALL TRAP
 - P-TRAP W/AIR GAP REQD IN CONDENSATE LINE DRAINING TO SEWER VENTS

CONDENSATE DRAIN TRAP
N.T.S.

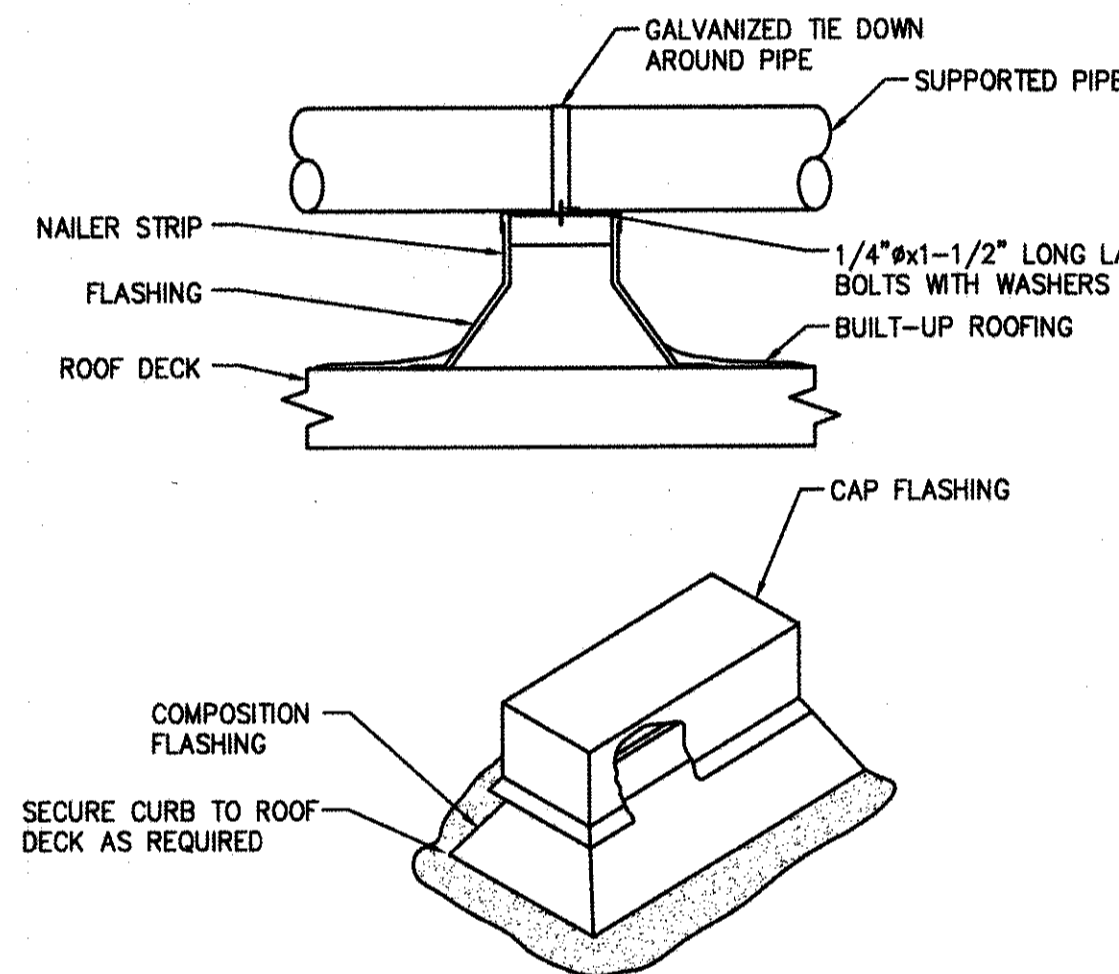


GAUGE	THK.	1" STRAP CAPABILITY	MAXIMUM LOAD
24	.028	840	168
22	.034	1070	216
20	.040	1298	259

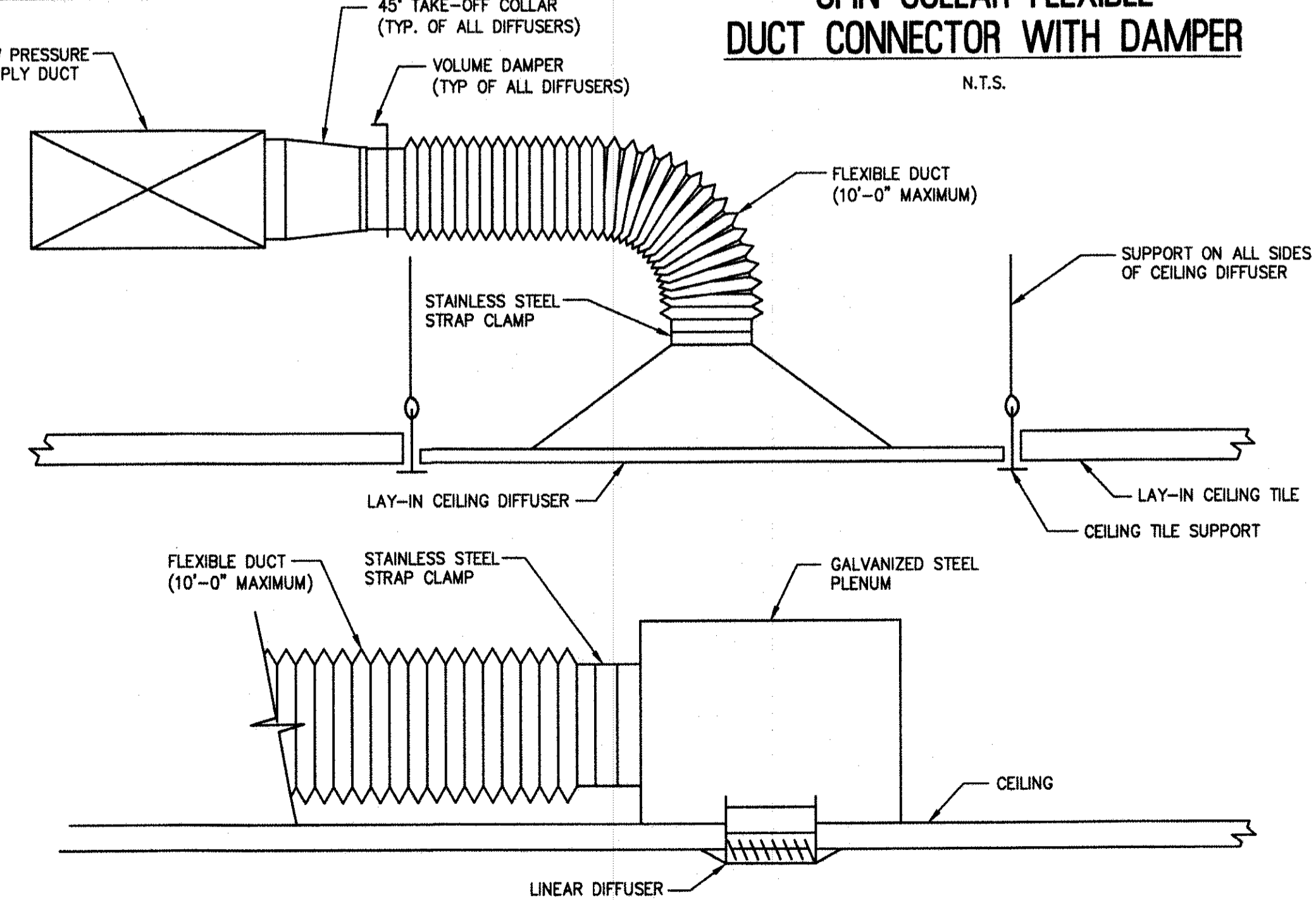
* ELASTIC LIMIT ASSUMED 30ksi; RECOMMEND MAX LOAD (20% OF YIELD STRENGTH).

- NOTES:
1. FLEX DUCT WITH EXTERNAL INSULATION AND VAPOR BARRIER JACKETING.

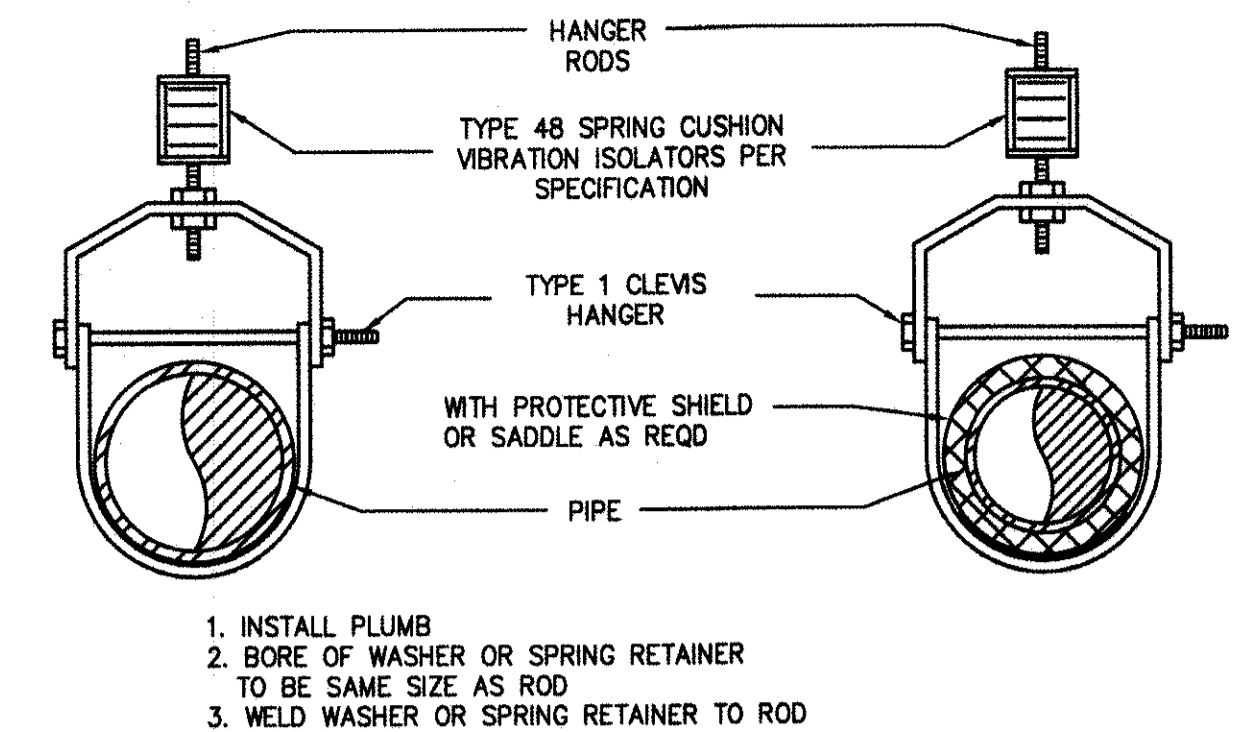
SUGGESTED SUPPORT REQUIREMENTS FOR FLEX & STRAIGHT RECTANGULAR DUCT
N.T.S.



ROOF MOUNTED PIPE SUPPORT
N.T.S.

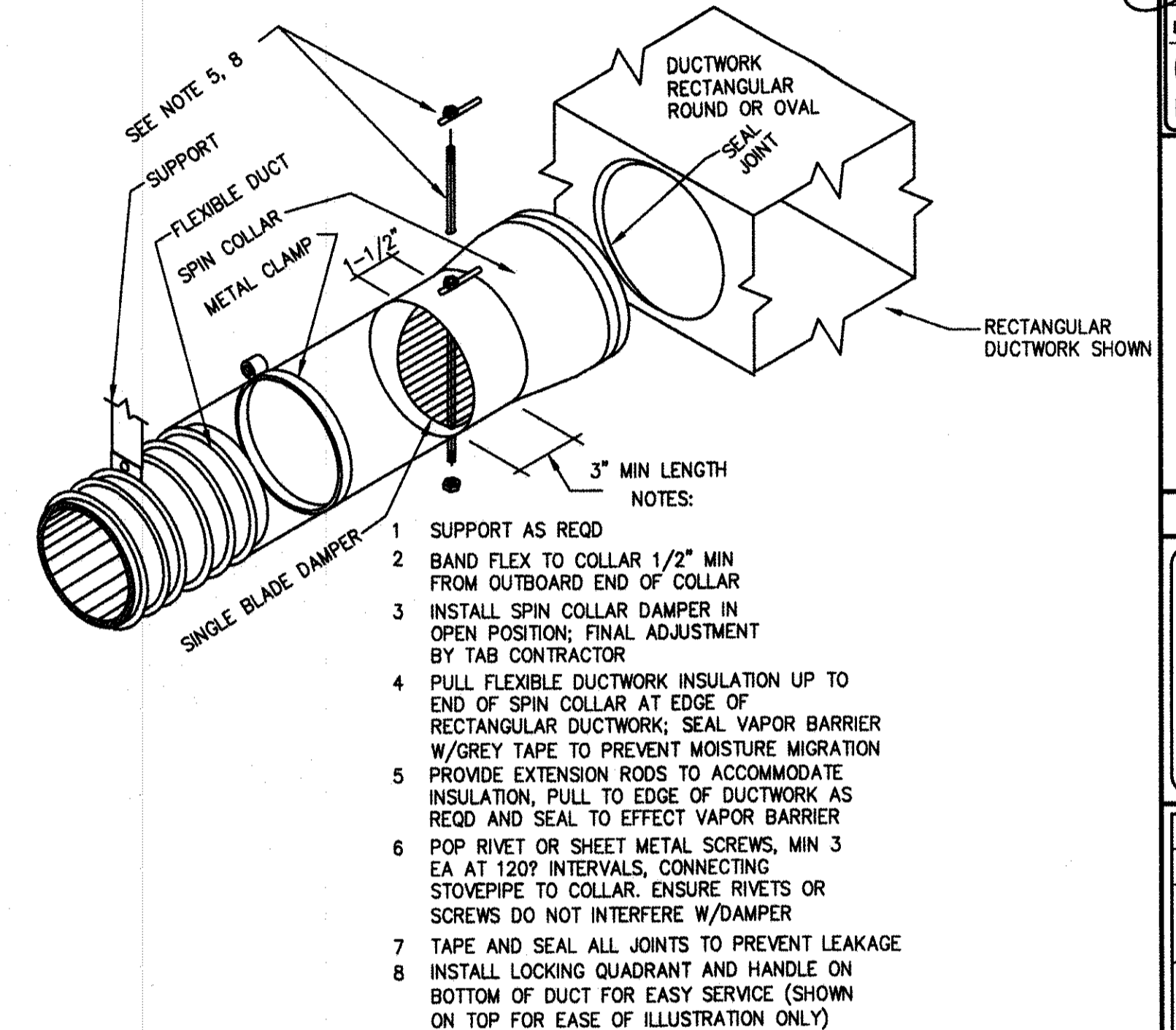


FLEXIBLE BRANCH DUCT WORK
N.T.S.



1. INSTALL PLUMB
2. BORE OF WASHER OR SPRING RETAINER TO BE SAME SIZE AS ROD
3. WELD WASHER OR SPRING RETAINER TO ROD

SINGLE PIPE TYPE 1 CLEVIS HANGER
N.T.S.



SPIN COLLAR FLEXIBLE DUCT CONNECTOR WITH DAMPER
N.T.S.



REMINGTON, VERNICK & WALBERG ENGINEERS
4907 NEW JERSEY AVENUE
WILDWOOD CITY, N.J. 08260
(800) 522-6150, FAX (800) 522-6313
WEB SITE ADDRESS: WWW.RVE.COM
Certification of Authorization: 24 GA 28048700
ENGINEERING EXCELLENCE SINCE 1901

DATE: _____
EDWARD J. WALBERG
NJ PROFESSIONAL ENGINEER LIC. NO. 37259

DATE: 08-22-17
CHRISTOPHER A. SAPONARO
NJ PROFESSIONAL ENGINEER LIC. NO. 40059

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.

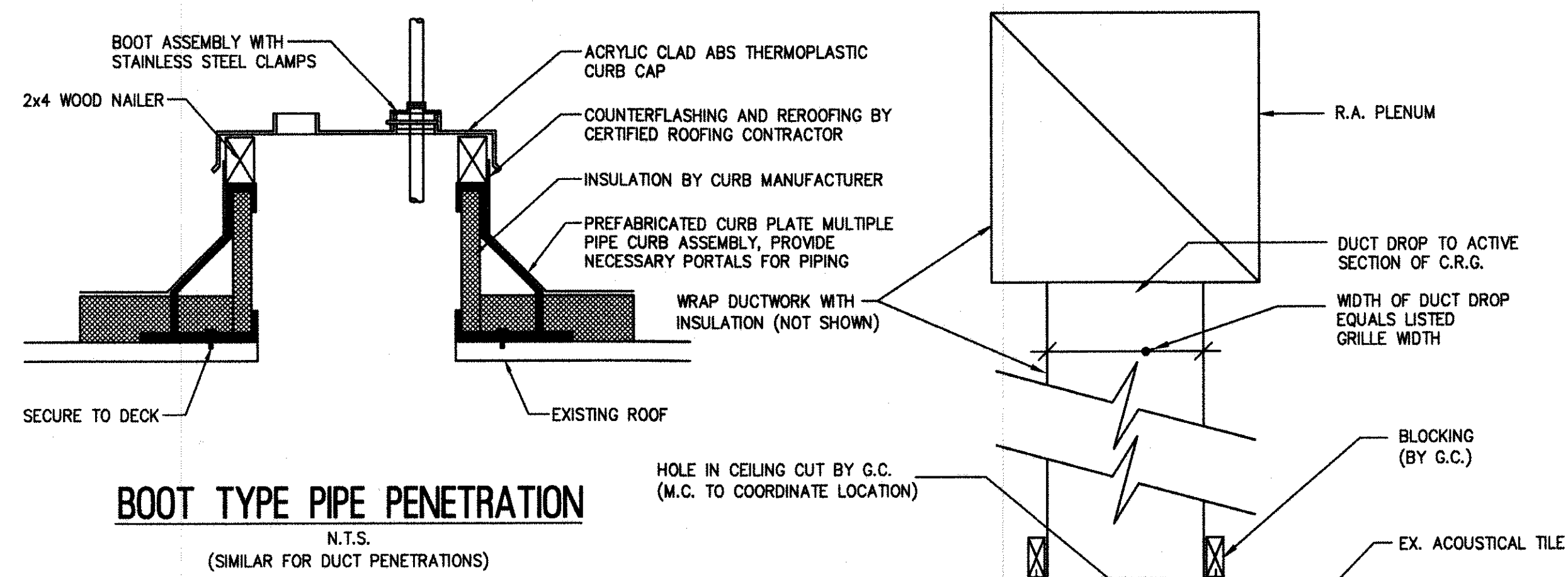
ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS ON EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES, AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON & VERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

NO.	REVISION	DATE	BY	CHK

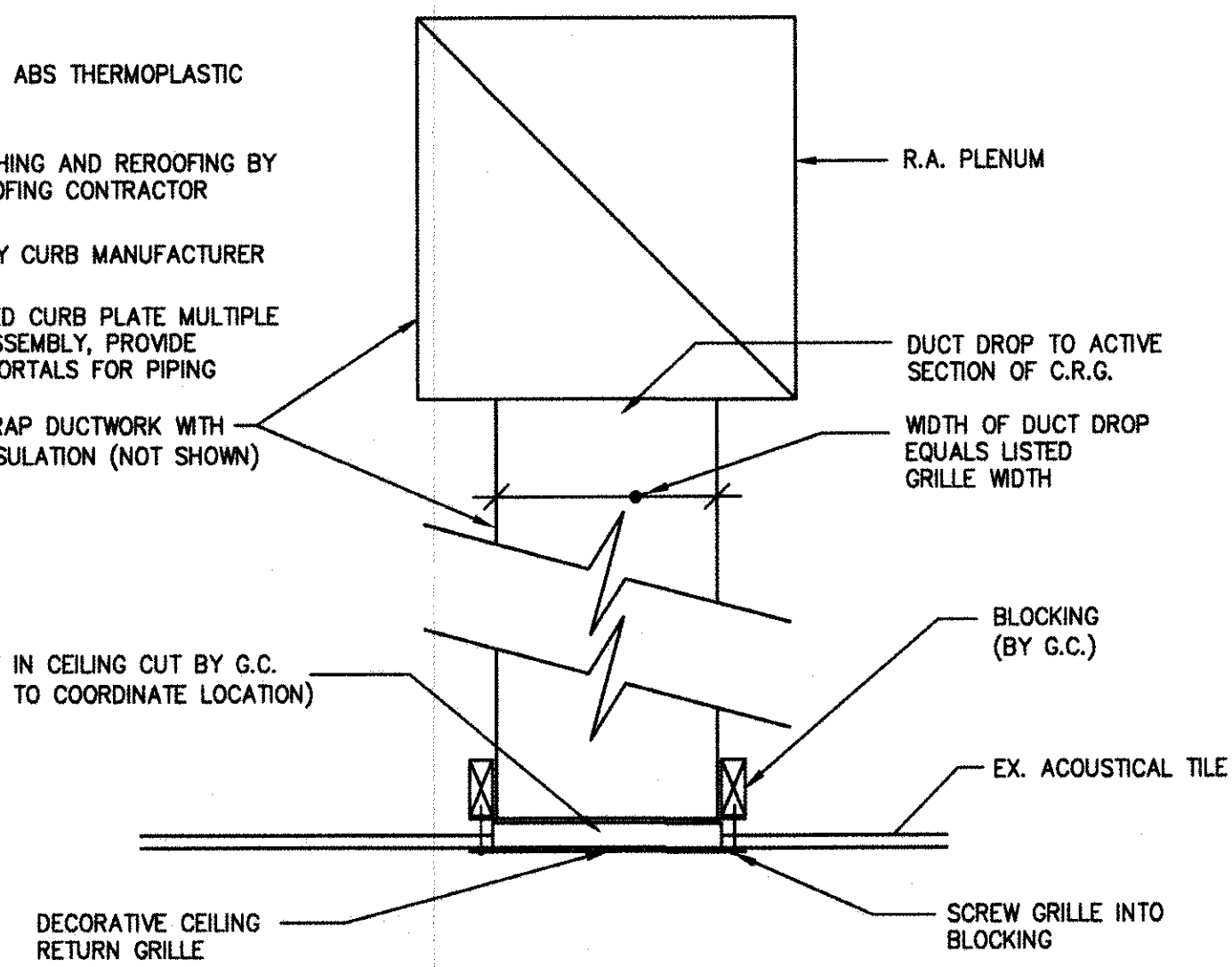
MECHANICAL DETAILS
STONE HARBOR POLICE STATION
SINGLE STORY EXPANSION
BOROUGH OF STONE HARBOR
CAPE MAY COUNTY
NEW JERSEY

DRAWN BY: B.Z.
DESIGN BY: T.K.
CHECKED BY: [Signature]
SCALE: AS NOTED
DATE: 8/2017
JOB NO.: 06-10-U-072.1
SHEET NO.: M-4.1

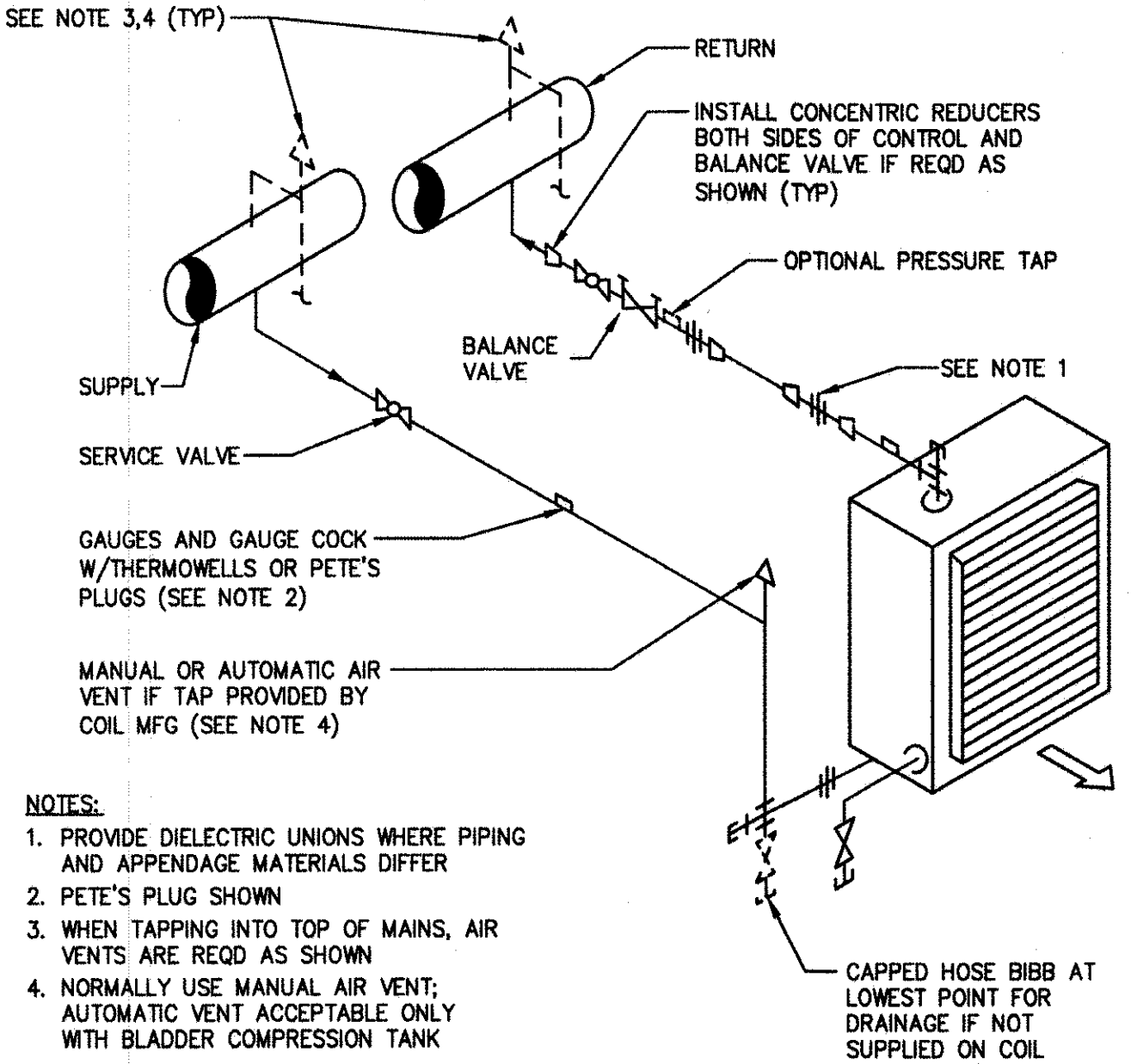
ISSUED FOR BID
DATE: 06-26-2017



BOOT TYPE PIPE PENETRATION
N.T.S.
(SIMILAR FOR DUCT PENETRATIONS)

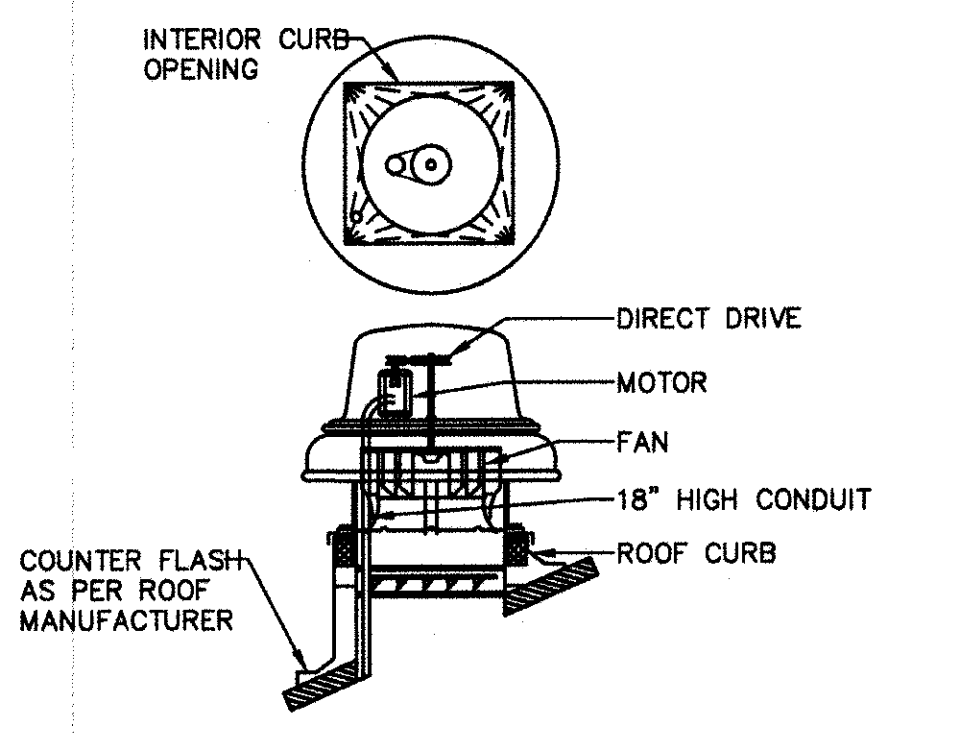


CEILING RETURN GRILLE DETAIL
N.T.S.



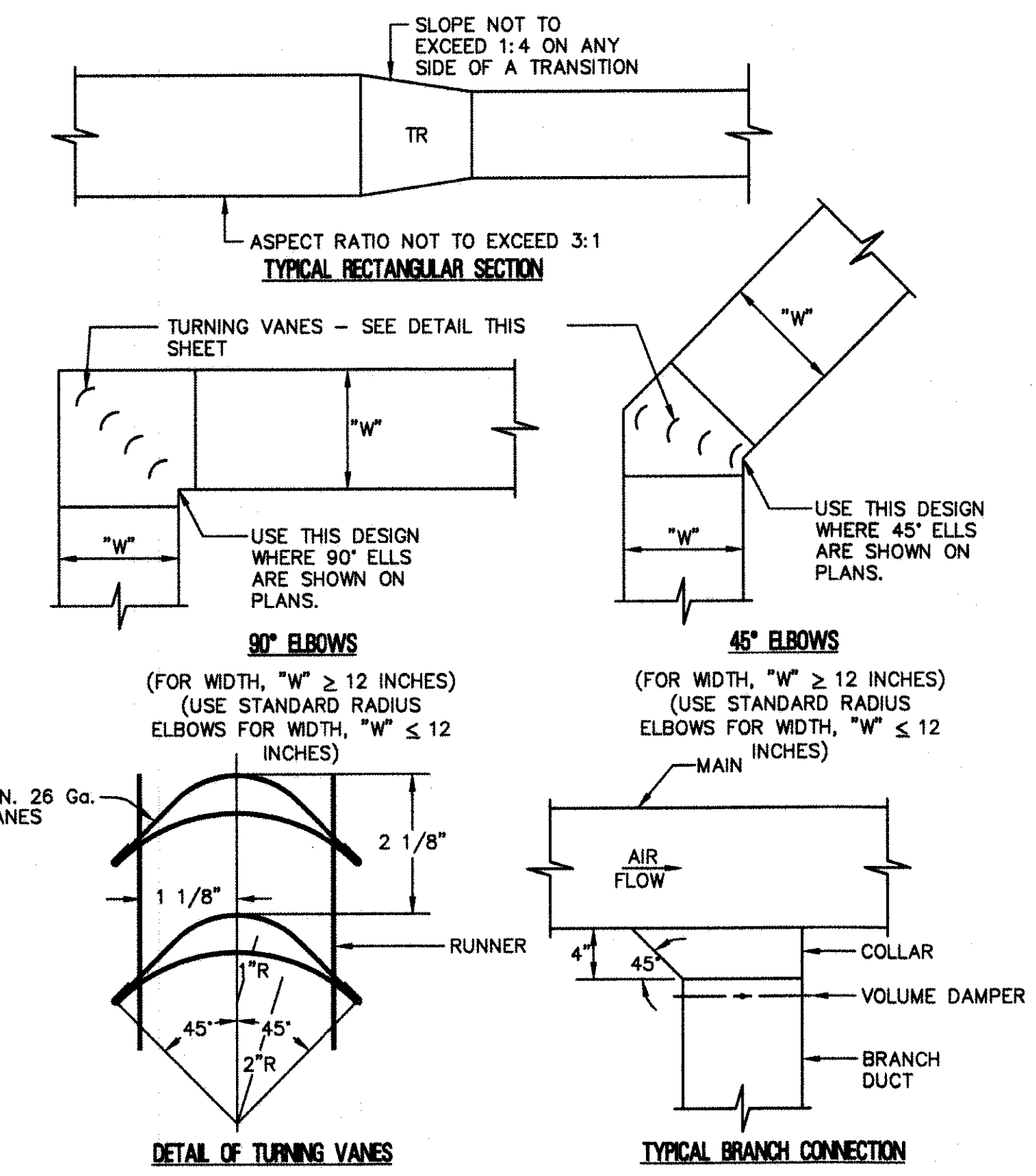
HYDRONIC PIPING FOR UNIT HEATER WITH 2-WAY VALVE
N.T.S.

- NOTES:**
1. PROVIDE DIELECTRIC UNIONS WHERE PIPING AND APPENDAGE MATERIALS DIFFER
 2. PETE'S PLUG SHOWN
 3. WHEN TAPPING INTO TOP OF MAINS, AIR VENTS ARE REQD AS SHOWN
 4. NORMALLY USE MANUAL AIR VENT; AUTOMATIC VENT ACCEPTABLE ONLY WITH BLADDER COMPRESSION TANK

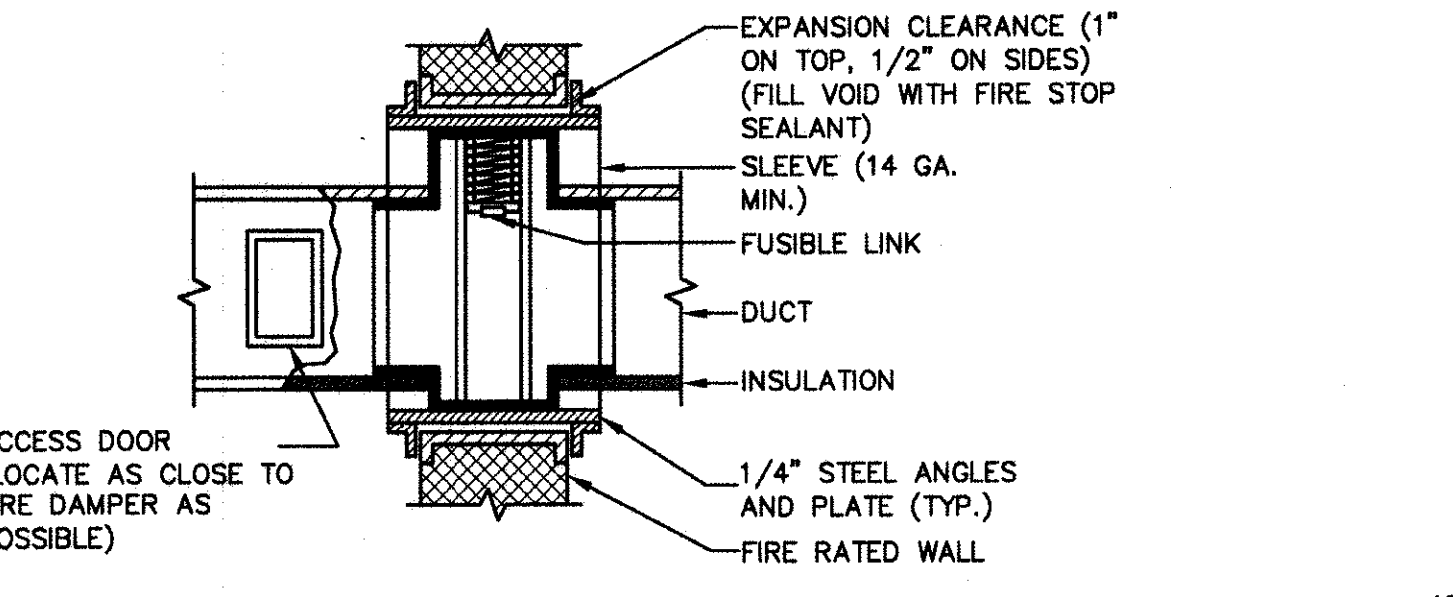


CENTRIFUGAL V-BELT DRIVEN SLOPED ROOF EXHAUSTER
N.T.S.

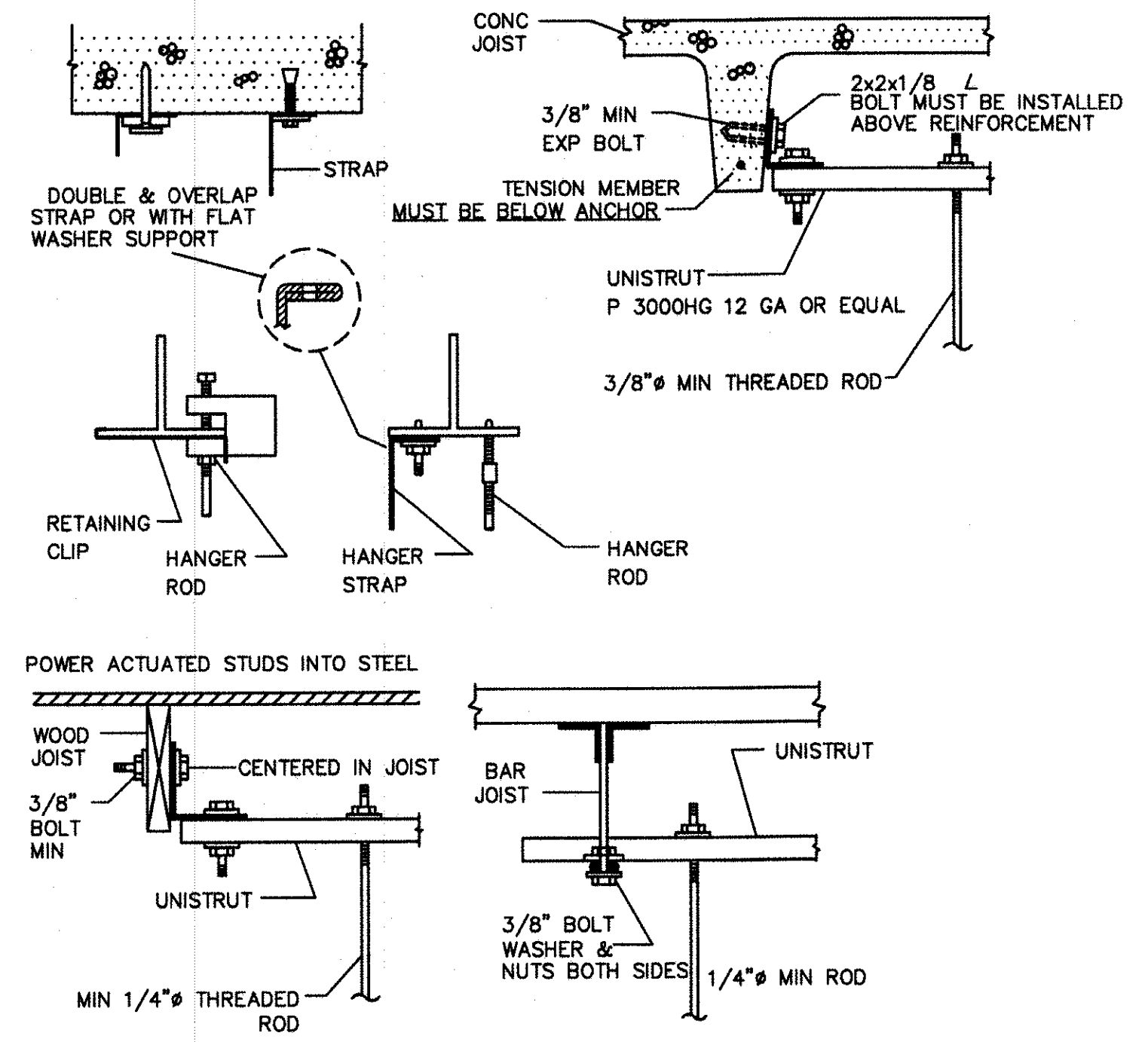
- NOTES:**
1. PROVIDE LOCAL DISCONNECT SWITCH
 2. PROVIDE MOTORIZED OR BACKDRAFT DAMPER AS REQD
 3. CURB AND FAN FROM SAME MANUFACTURER



DETAILS OF DUCT LAYOUT
N.T.S.

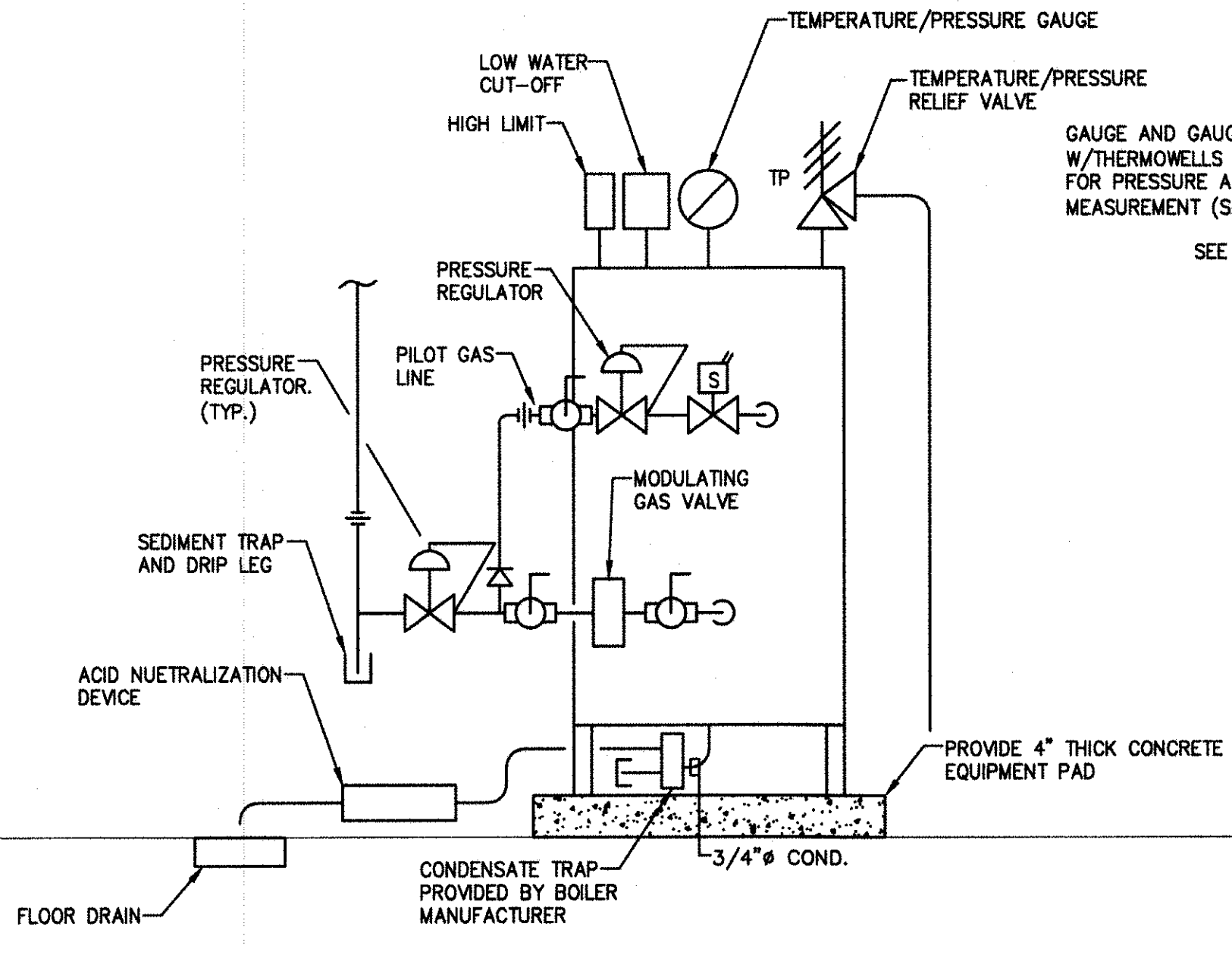


VERTICAL FIRE DAMPER DETAIL
N.T.S.
(INSTALL HORIZONTAL & "OUT OF WALL" FIRE DAMPERS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS)

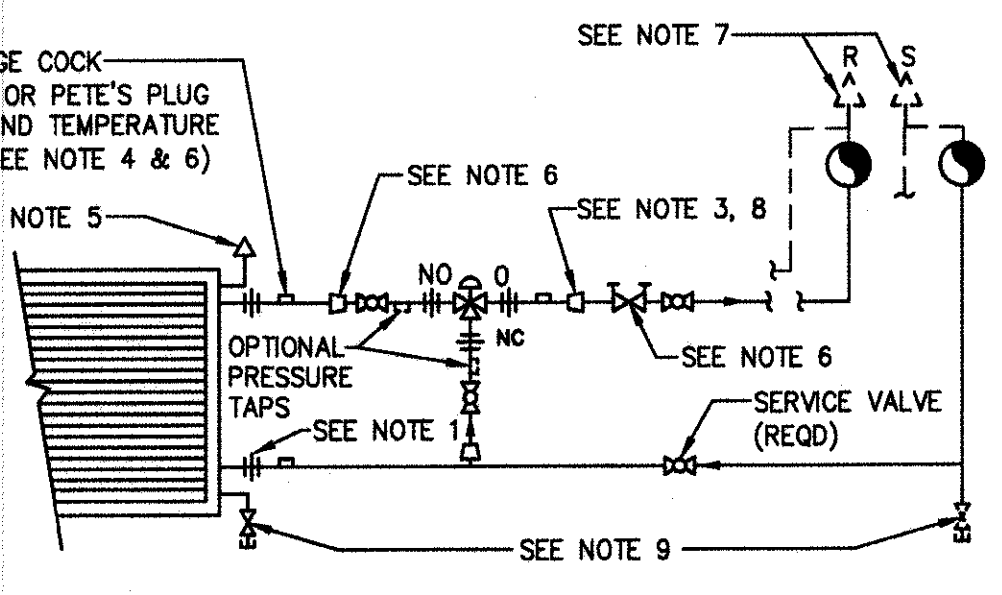


UPPER ATTACHMENT AND JOIST HANGERS FOR DUCTWORK
N.T.S.

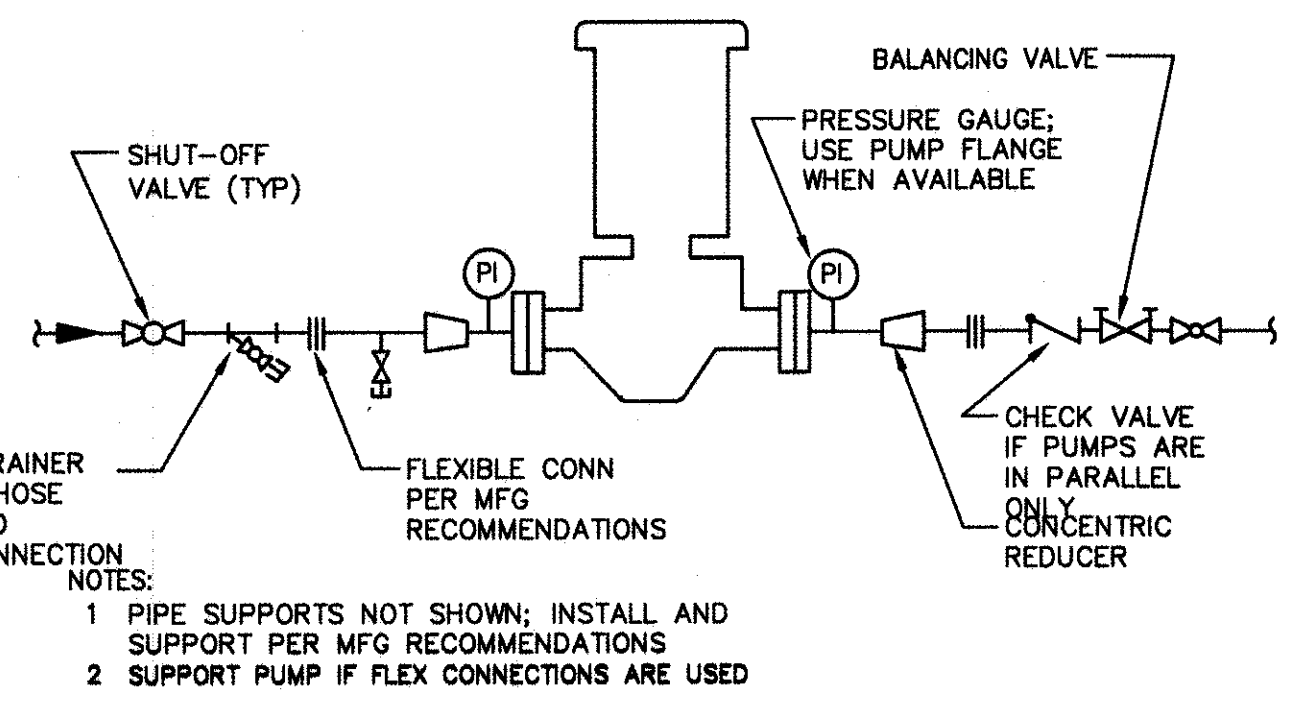
- NOTES:**
1. ALLOWABLE LOADS AND ELEMENT SIZING SEALED BY REGISTERED ENGINEER IN STATE OF NEW JERSEY.



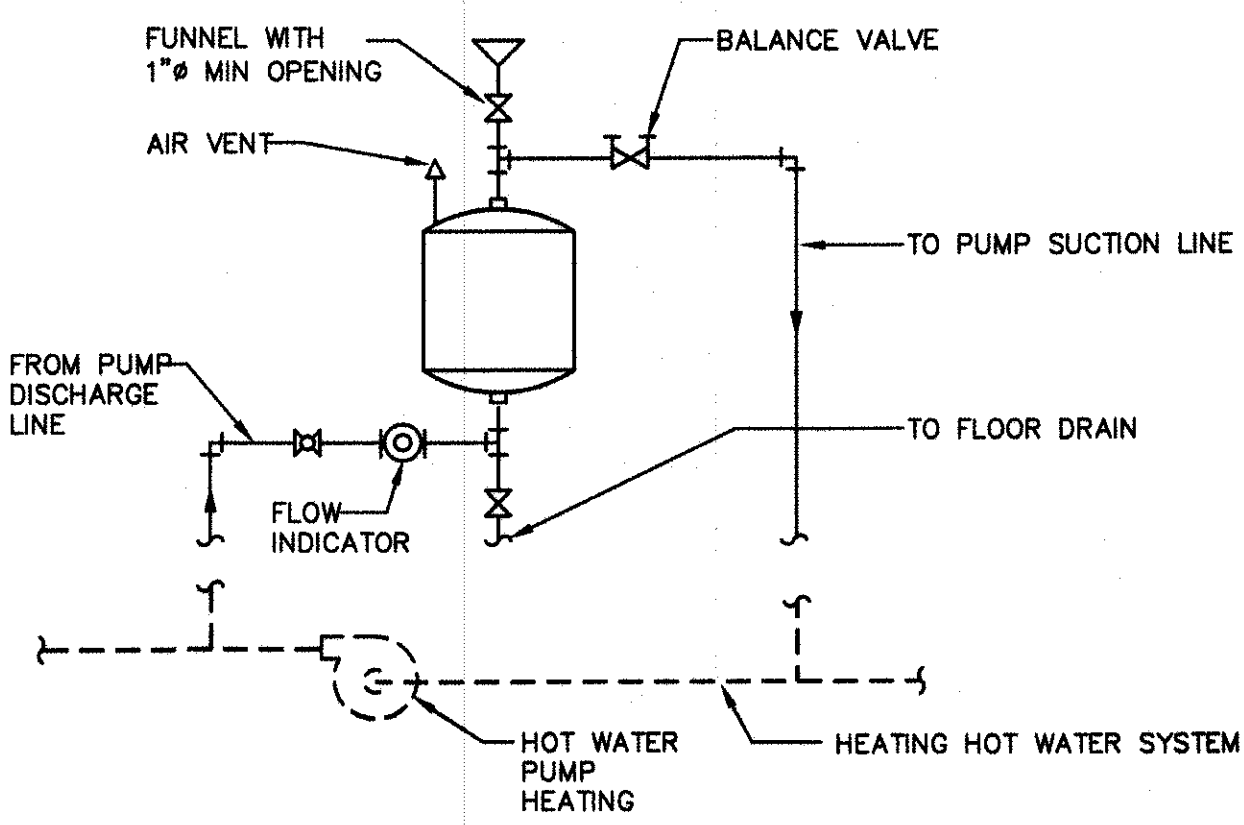
BOILER DETAIL
N.T.S.



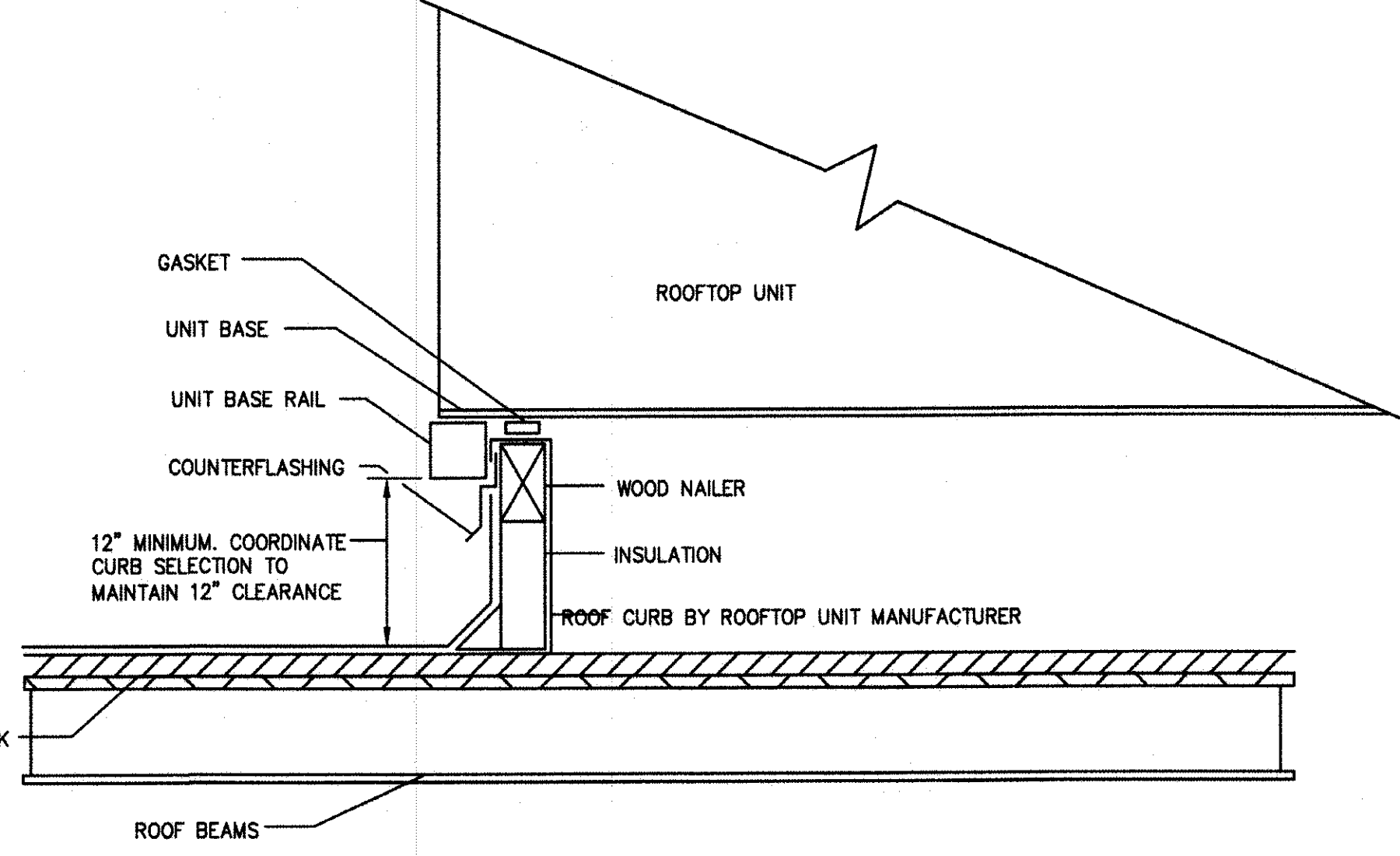
HYDRONIC PIPING FOR SINGLE COIL WITH 3-WAY VALVE
N.T.S.



INLINE PUMP DETAIL
N.T.S.



CHEMICAL SHOT FEEDER PIPING
N.T.S.



ROOF TOP AIR HANDLING UNIT CURB FLASHING DETAIL
N.T.S.

RV & W

REMINGTON, VERNICK & WALBERG ENGINEERS
4907 NEW JERSEY AVENUE
WILDWOOD CITY, N.J. 08260
(809) 522-6150, FAX (809) 522-5313
WEB SITE ADDRESS: WWW.RVE.COM
Certification of Authorization: 24 GA 28048700
ENGINEERING EXCELLENCE SINCE 1901--

DATE: _____

EDWARD J. WALBERG
NJ PROFESSIONAL ENGINEER LIC. No. 37259

DATE: 08-22-17

CHRISTOPHER A. SAPONARO
NJ PROFESSIONAL ENGINEER LIC. No. 40059

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.

ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES 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 EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO REMINGTON & VERNICK ENGINEERS AND AFFILIATES. AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON & VERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

NO.	REVISION	DATE	BY	CHK

MECHANICAL DETAILS

STONE HARBOR POLICE STATION
SINGLE STORY EXPANSION

CAPE MAY COUNTY
BOROUGH OF STONE HARBOR

NEW JERSEY

SCALE: AS NOTED

DATE: 8/20/17

JOB No.: 05-10-U-072.1

SHEET No.: M-42

ISSUED FOR BID
DATE: 08-28-2017



**REMINGTON, VERNICK
& WALBERG ENGINEERS**
4907 NEW JERSEY AVENUE
WILDWOOD CITY, N.J. 08260
(609) 522-5150, FAX (609) 522-5313
WEB SITE ADDRESS: WWW.RVE.COM
Certification of Authorization: 24 GA 28048700
-ENGINEERING EXCELLENCE SINCE 1901-

DATE:
EDWARD J. WALBERG
NJ PROFESSIONAL ENGINEER LIC. No. 37259

Christopher A. Saponaro
DATE:
CHRISTOPHER A. SAPONARO
NJ PROFESSIONAL ENGINEER LIC. No. 40069

PLANS WHICH DO NOT BEAR
AN EMBOSSED SEAL ARE NOT VALID.

ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES 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 EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO REMINGTON & VERNICK ENGINEERS AND AFFILIATES. AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON & VERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

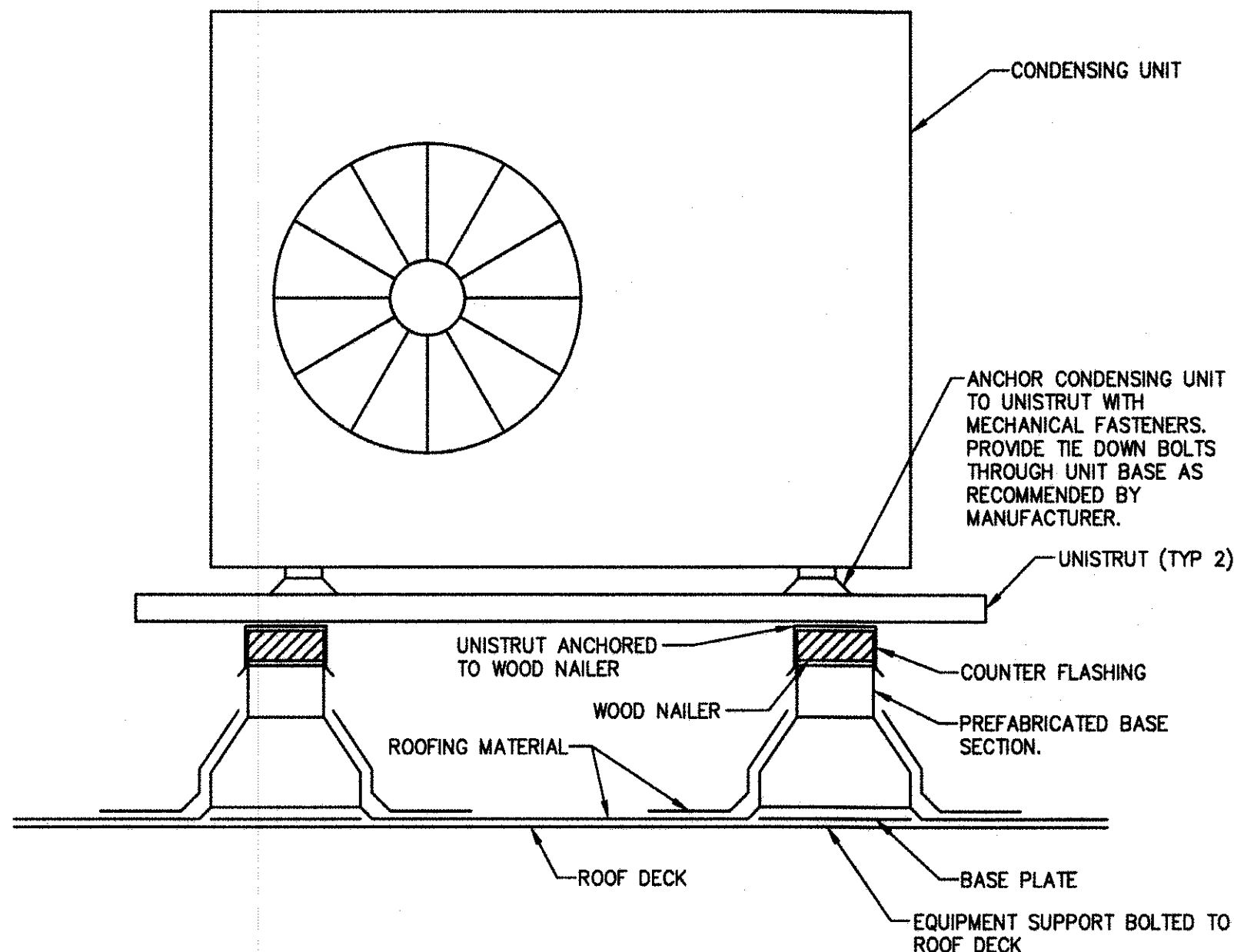
No.	REVISION	DATE	BY	CHK

MECHANICAL DETAILS

STONE HARBOR POLICE STATION
SINGLE STORY EXPANSION

BOROUGH OF STONE HARBOR
CAPE MAY COUNTY
NEW JERSEY

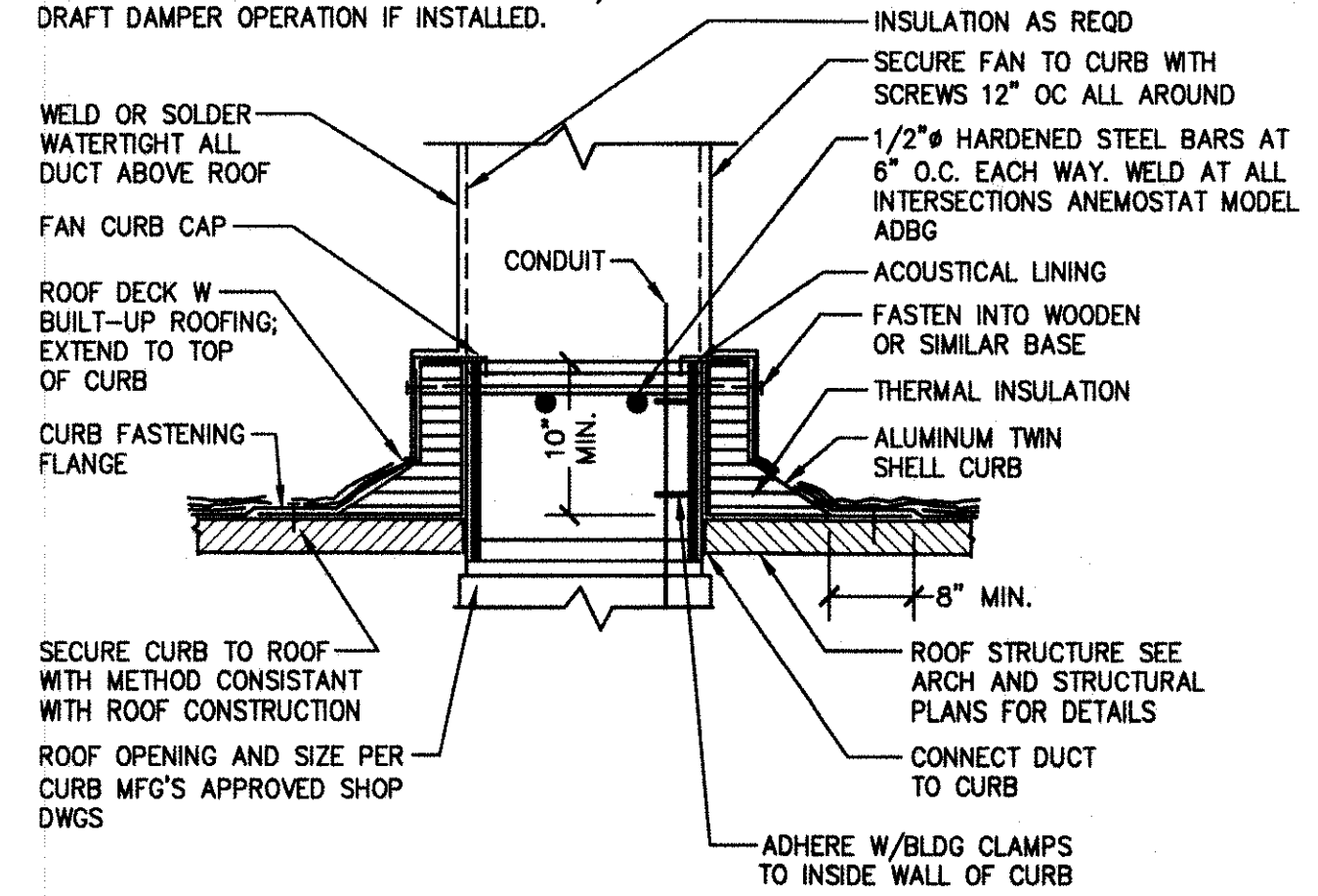
DRAWN BY: B.Z. DESIGN BY: TK. CHECKED BY: [Signature] SCALE: AS NOTED
DATE: 8/20/17 SHEET No.: M-4.3
JOB No.: 05-10-U-072.1



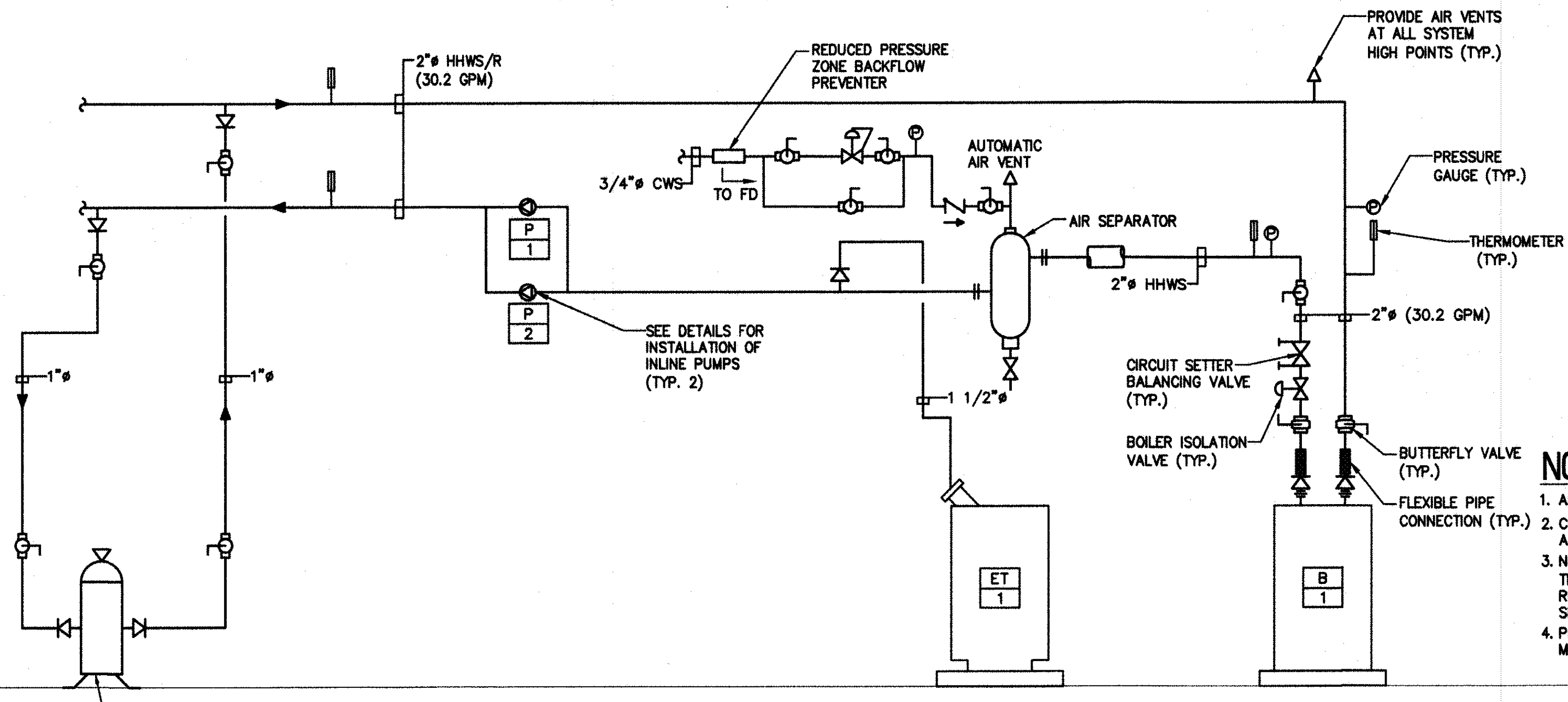
CONDENSING UNIT ROOF SUPPORT DETAIL
N.T.S.

NOTE:
1. ALL ROOFING MATERIALS AND FLASHING SHALL BE INSTALLED WATERTIGHT.

- NOTES:**
- PUSH BACK GRAVEL A MIN OF 30" IN ALL DIRECTIONS. FLASH WITH 90# MINERAL FACED BASE FLASHING. STRIP WITH 3 LAYERS OF ROOFING FELT EMBEDDED ASPHALT. GRAVEL TO MATCH
 - INSTALL LOUVER DAMPERS WHEN REQD W/OUT DEFORMATION TO LOUVER FRAME. INSURE LOUVER'S MOVEMENT IS FREE AND UNRESTRICTED AFTER FAN IS INSTALLED
 - IF ELECTRICAL CONDUIT IS TO BE INSTALLED INSIDE DUCT, SECURE TO DUCT WALL W/CLAMPS AND SCREWS. BE SURE THAT CONDUIT DOES NOT INTERFERE W/BACK DRAFT DAMPER OPERATION IF INSTALLED.

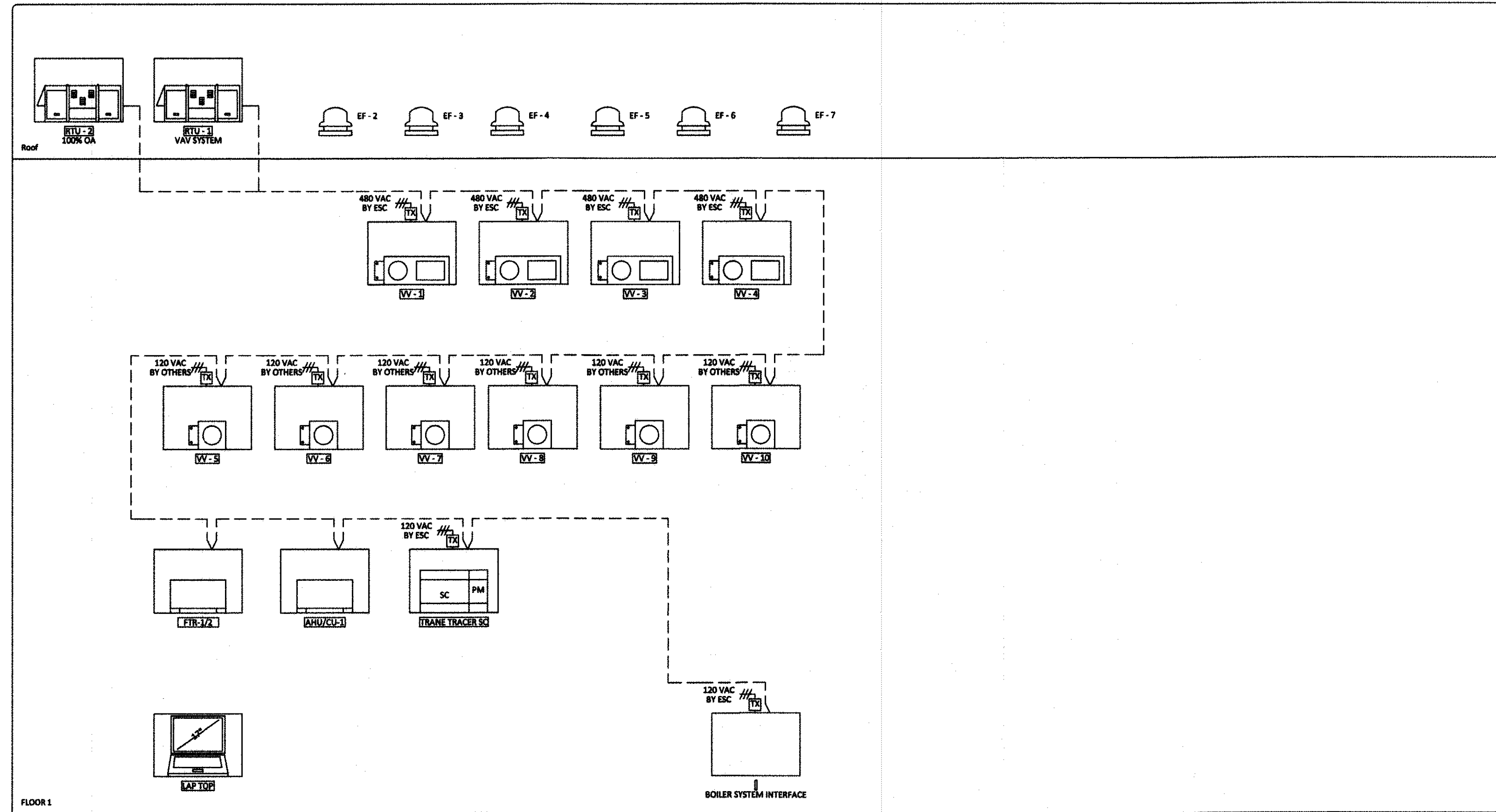


**DUCT PENETRATION OR CURB
INSTALLATION THRU MEMBRANE ROOF**
N.T.S.

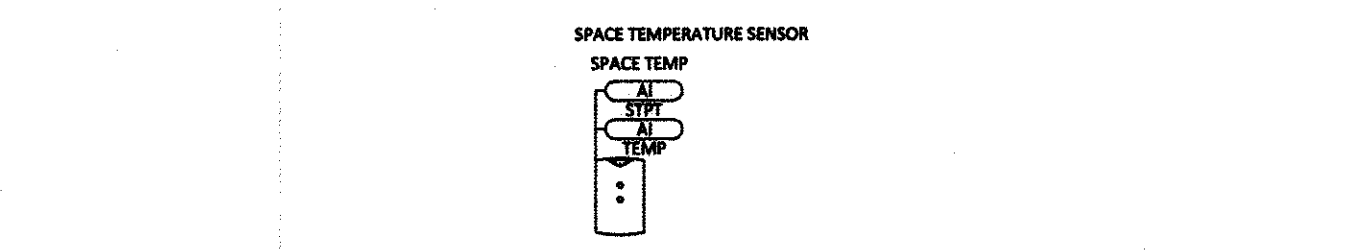


HEATING HOT WATER PIPING SCHEMATIC
SCALE: N.T.S.

- NOTES:**
- ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING M-1.0 APPLY TO THIS DRAWING.
 - COORDINATE PIPING LAYOUTS IN ALL AREAS WITH OTHER TRADES PRIOR TO INSTALLATION TO AVOID INTERFERENCE.
 - NOT ALL PIPE SIZES AND IN-LINE DEVICES ARE SHOWN ON THE PLAN FOR CLARITY, SEE THE DETAIL SHEET(S) FOR ADDITIONAL INFORMATION. THE CONTRACTOR SHALL PROVIDE ALL REDUCERS, VALVES, ETC. AS REQUIRED TO COMPLETE THE NEW WORK EVEN IF NOT SPECIFICALLY SHOWN ON THE PLAN OR DETAIL DRAWINGS.
 - PROVIDE LINE SIZE SHUT-OFF VALVES IN BRANCH LINE WHERE BRANCH LINES CONNECT TO MAINS.



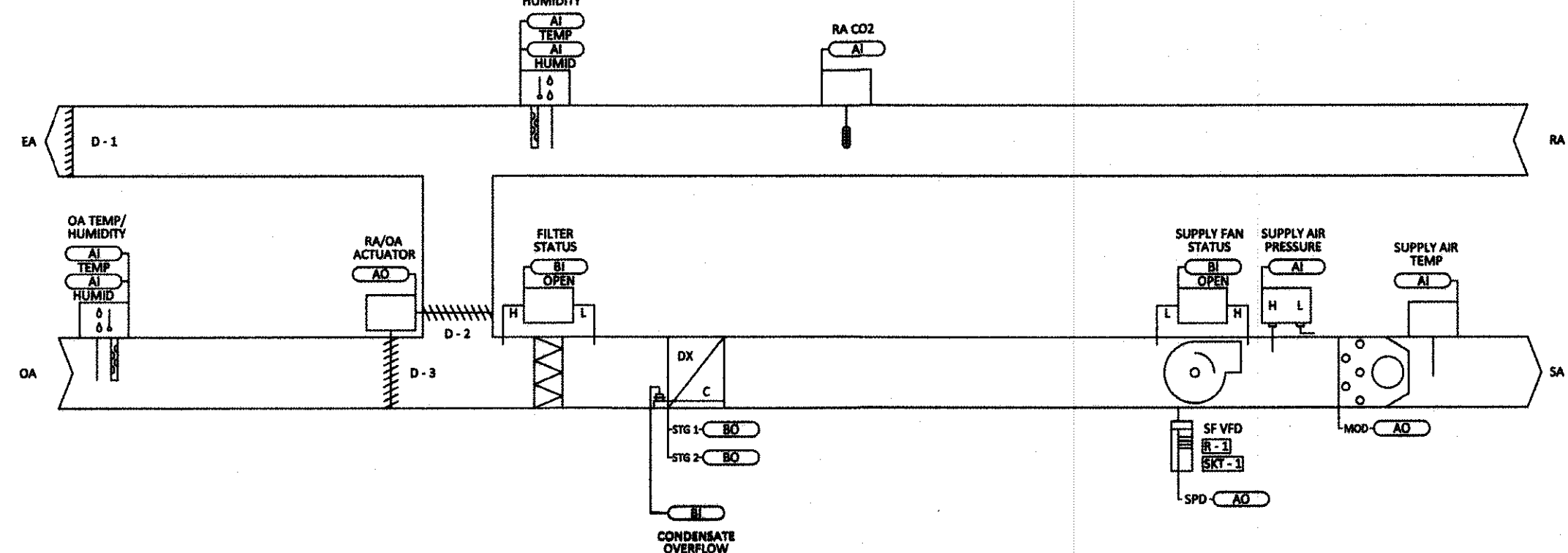
BAS CONTROL SYSTEM RISER
N.T.S.



NON-POWERED VAV TERMINAL CONTROL SCHEMATIC
N.T.S.



**BMS/FIRE ALARM SYSTEM INTERFACE
(COORDINATE WITH FIRE ALARM SYSTEM CONTRACTOR)**
N.T.S.



ROOFTOP AIR CONDITIONER CONTROL SCHEMATIC (VAV - RTU-1)
N.T.S.

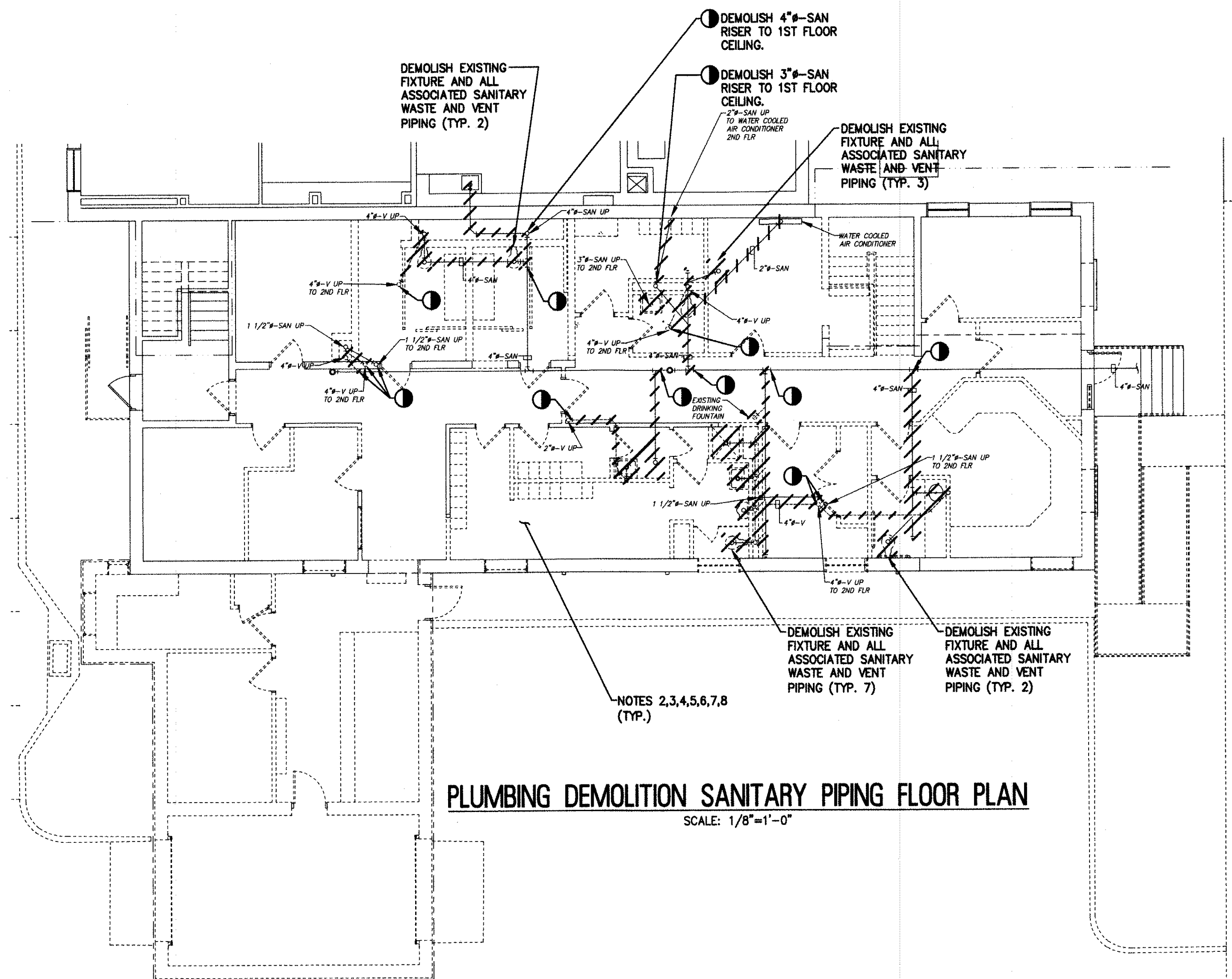
ISSUED FOR BID
DATE: 08-26-2017



**REMINGTON, VERNICK
& WALBERG ENGINEERS**
4907 NEW JERSEY AVENUE
WILDWOOD CITY, N.J. 08260
(609) 522-5150, FAX (609) 522-6313
WEB SITE ADDRESS: WWW.RVE.COM
Certification of Authorization: 24 GA 28048700
—ENGINEERING EXCELLENCE SINCE 1901—

DATE:
EDWARD J. WALBERG
NJ PROFESSIONAL ENGINEER LIC. No. 37259

DATE: 08-28-17
CHRISTOPHER A. SAPONARO
NJ PROFESSIONAL ENGINEER LIC. No. 40059



PLUMBING DEMOLITION SANITARY PIPING FLOOR PLAN

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

NOTES:

1. ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING M-1.0 APPLY TO THIS DRAWING.
2. THIS DEMOLITION PLAN HAS BEEN PROVIDED AS A GUIDE. HOWEVER, ALL DEMOLITION REQUIRED TO SUCCESSFULLY COMPLETE THIS PROJECT SHALL BE INCLUDED IN THE SCOPE OF WORK. IT IS THE INTENT OF THE PLANS AND SPECIFICATIONS TO SECURE A COMPLETELY INTERCONNECTED AND FUNCTIONING SYSTEM AND IF ANY WORKMANSHIP OR MATERIALS BE REQUIRED WHICH ARE OBVIOUSLY NECESSARY TO CARRY OUT THE FULL INTENT AND MEANING OF THE PLANS AND SPECIFICATIONS OR TO BE REASONABLY INFERRED THEREFROM, THE COST OF SUCH WORKMANSHIP OR MATERIALS SHALL BE INCLUDED IN THE SCOPE OF WORK.
3. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING & REPLACING ANY OR ALL FIXTURES AND/OR AREAS OF THE CEILING, FLOOR OR WALL DAMAGED AS A RESULT OF THE NEW/DEMOLITION WORK. REPAIRED & REPLACED FIXTURES AND PORTIONS OF THE CEILING, FLOOR, OR WALL SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THEIR ORIGINAL CONDITION.
4. DEMOLISH ALL UTILITY PIPING BACK TO MAIN AS SHOWN. TEMPORARILY CAP BRANCH PIPING IF BEING RE-USED FOR THE NEW WORK. PERMANENTLY CAP UNUSED PIPE AT MAIN AIR/WATER TIGHT. PROVIDE FLOOR CLEANOUTS FOR ALL UNUSED/ABANDONED SANITARY DRAIN PIPING.
5. THE EXISTING VALVE LAYOUT AS SHOWN IS APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY EXISTING VALVE SIZE AND LOCATION PRIOR TO COMMENCING WORK.
6. WHERE VENT PIPING IS SHOWN TO BE DEMOLISHED, REMOVE THE VENT PIPING UP THROUGH ROOF. CONTRACTOR TO VERIFY IN FIELD THAT NO EXISTING FIXTURES SCHEDULED TO REMAIN ARE CONNECTED TO VENT STACK. REMOVE VTR, AND PATCH AND REPAIR ROOF STRUCTURE.
7. WHERE UNDERGROUND PIPING IS SHOWN TO BE DEMOLISHED, PROVIDE PROPER BACKFILL AND PATCHING TO FINISHED FLOOR ELEVATION.
8. CONTRACTOR TO PATCH AND REPAIR ALL EXISTING UTILITY, SANITARY, AND VENT PIPING AS NECESSARY FOR A FULLY INTERCONNECTED AND OPERATIONAL SYSTEM. CONTRACTOR TO VERIFY EXISTING CONDITION AND RECONNECT PIPING TO REMAINING FIXTURES AS NECESSARY.

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.

ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES 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 EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO REMINGTON & VERNICK ENGINEERS AND AFFILIATES. AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON & VERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

NO.	REVISION	DATE	BY

PLUMBING DEMOLITION SANITARY PIPING FLOOR PLAN

STONE HARBOR POLICE STATION
SINGLE STORY EXPANSION

BOROUGH OF STONE HARBOR CAPE MAY COUNTY NEW JERSEY

DRAWN BY: B.Z.	DESIGN BY: TK.	CHECKED BY: [Signature]	SCALE: AS NOTED
DATE: 8/2017	SHEET No.: P-11		
JOB No.: 05-10-U-072.1			

ISSUED FOR BID
DATE: 08-28-2017



REMINGTON, VERNICK & WALBERG ENGINEERS
 4907 NEW JERSEY AVENUE
 WILDWOOD CITY, N.J. 08260
 (609) 522-5150, FAX (609) 522-5313
 WEB SITE ADDRESS: WWW.RVW.COM
 Certification of Authorization: 24 GA 28048700
 ENGINEERING EXCELLENCE SINCE 1901

DATE: _____
EDWARD J. WALBERG
 NJ PROFESSIONAL ENGINEER LIC. No. 37259

DATE: *08-22-17*
CHRISTOPHER A. SAPONARO
 NJ PROFESSIONAL ENGINEER LIC. No. 40059

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.

ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES 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 EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO REMINGTON & VERNICK ENGINEERS AND AFFILIATES. OWNER SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON & VERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

NO.	REVISION	DATE	BY

PLUMBING DEMOLITION UTILITY PIPING FLOOR PLAN

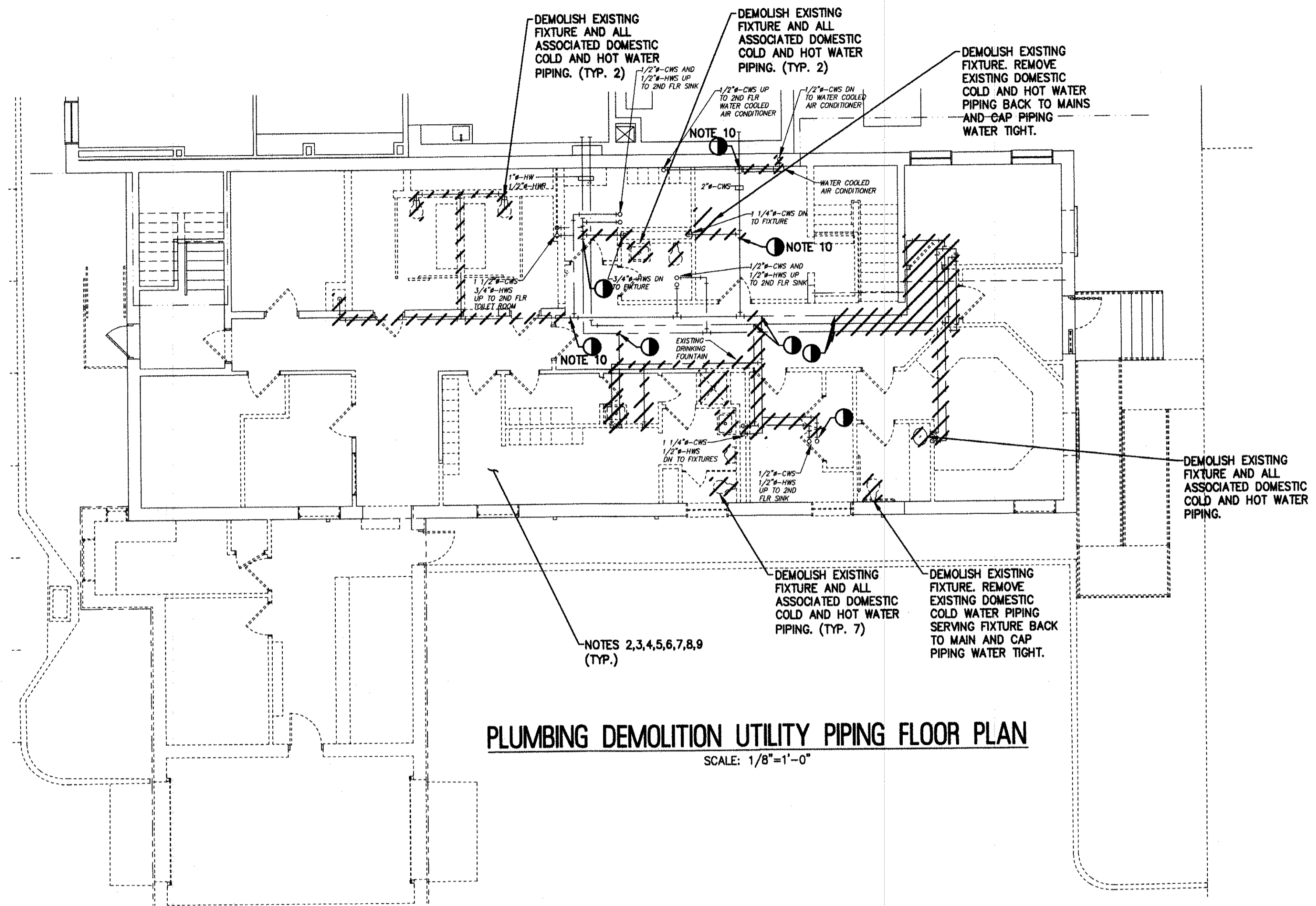
STONE HARBOR POLICE STATION
 SINGLE STORY EXPANSION

BOROUGH OF STONE HARBOR CAPE MAY COUNTY NEW JERSEY

DRAWN BY: B.Z. DESIGN BY: T.K. CHECKED BY: *[Signature]* SCALE: AS NOTED

DATE: 8/2017 SHEET No.: P-12

JOB No.: 05-10-U-072.1



PLUMBING DEMOLITION UTILITY PIPING FLOOR PLAN
 SCALE: 1/8"=1'-0"

NOTES:

- ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING M-1.0 APPLY TO THIS DRAWING.
- THIS DEMOLITION PLAN HAS BEEN PROVIDED AS A GUIDE. HOWEVER, ALL DEMOLITION REQUIRED TO SUCCESSFULLY COMPLETE THIS PROJECT SHALL BE INCLUDED IN THE SCOPE OF WORK. IT IS THE INTENT OF THE PLANS AND SPECIFICATIONS TO SECURE A COMPLETELY INTERCONNECTED AND FUNCTIONING SYSTEM AND IF ANY WORKMANSHIP OR MATERIALS BE REQUIRED WHICH ARE OBVIOUSLY NECESSARY TO CARRY OUT THE FULL INTENT AND MEANING OF THE PLANS AND SPECIFICATIONS OR TO BE REASONABLY INFERRED THEREFROM, THE COST OF SUCH WORKMANSHIP OR MATERIALS SHALL BE INCLUDED IN THE SCOPE OF WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING & REPLACING ANY OR ALL FIXTURES AND/OR AREAS OF THE CEILING, FLOOR OR WALL DAMAGED AS A RESULT OF THE NEW/DEMOLITION WORK. REPAIRED & REPLACED FIXTURES AND PORTIONS OF THE CEILING, FLOOR, OR WALL SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THEIR ORIGINAL CONDITION.
- DEMOLISH ALL UTILITY PIPING BACK TO MAIN AS SHOWN. TEMPORARILY CAP BRANCH PIPING IF BEING RE-USED FOR THE NEW WORK. PERMANENTLY CAP UNUSED PIPE AT MAIN AIR/WATER TIGHT. PROVIDE FLOOR CLEANOUTS FOR ALL UNUSED/ABANDONED SANITARY DRAIN PIPING.
- THE EXISTING VALVE LAYOUT AS SHOWN IS APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY EXISTING VALVE SIZE AND LOCATION PRIOR TO COMMENCING WORK.
- WHERE VENT PIPING IS SHOWN TO BE DEMOLISHED, REMOVE THE VENT PIPING UP THOROUGH ROOF. CONTRACTOR TO VERIFY IN FIELD THAT NO EXISTING FIXTURES SCHEDULED TO REMAIN ARE CONNECTED TO VENT STACK. REMOVE VTR, AND PATCH AND REPAIR ROOF STRUCTURE.
- WHERE UNDERGROUND PIPING IS SHOWN TO BE DEMOLISHED, PROVIDE PROPER BACKFILL AND PATCHING TO FINISHED FLOOR ELEVATION.
- CONTRACTOR TO PATCH AND REPAIR ALL EXISTING UTILITY, SANITARY, AND VENT PIPING AS NECESSARY FOR A FULLY INTERCONNECTED AND OPERATIONAL SYSTEM. CONTRACTOR TO VERIFY EXISTING CONDITION AND RECONNECT PIPING TO REMAINING FIXTURES AS NECESSARY.
- PATCH AND REPAIR UTILITY WALL PENETRATION WATERTIGHT. COORDINATE FINISH WITH ARCHITECT.
- CAP EXISTING PIPING WATERTIGHT.

ISSUED FOR BID
 DATE: 08-28-2017



REMINGTON, VERNICK & WALBERG ENGINEERS
 4907 NEW JERSEY AVENUE
 WILDWOOD CITY, N.J. 08260
 (609) 522-5150, FAX (609) 522-5313
 WEB SITE ADDRESS: WWW.RVWE.COM
 Certification of Authorization: 24 GA 28048700
 -ENGINEERING EXCELLENCE SINCE 1901-

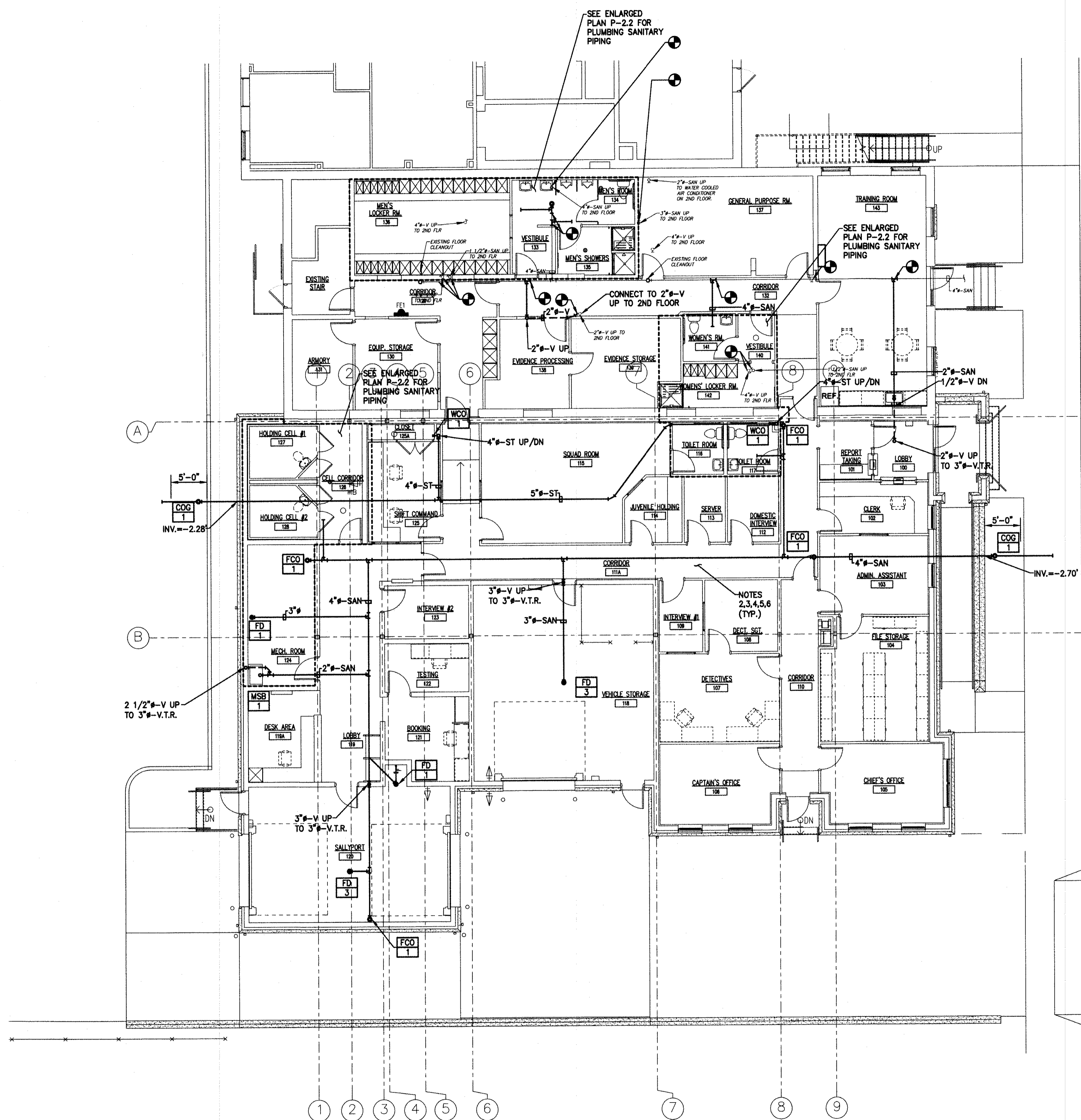
DATE: _____
EDWARD J. WALBERG
 NJ PROFESSIONAL ENGINEER LIC. No. 37259
 DATE: *08-22-17*
CHRISTOPHER A. SAPONARO
 NJ PROFESSIONAL ENGINEER LIC. No. 40059

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.
 ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES 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 EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO REMINGTON & VERNICK ENGINEERS AND AFFILIATES. OWNER SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON & VERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

NO.	REVISION	DATE	BY

PLUMBING SANITARY PIPING FIRST FLOOR PLAN
 STONE HARBOR POLICE STATION
 SINGLE STORY EXPANSION
 BOROUGH OF STONE HARBOR CAPE MAY COUNTY NEW JERSEY

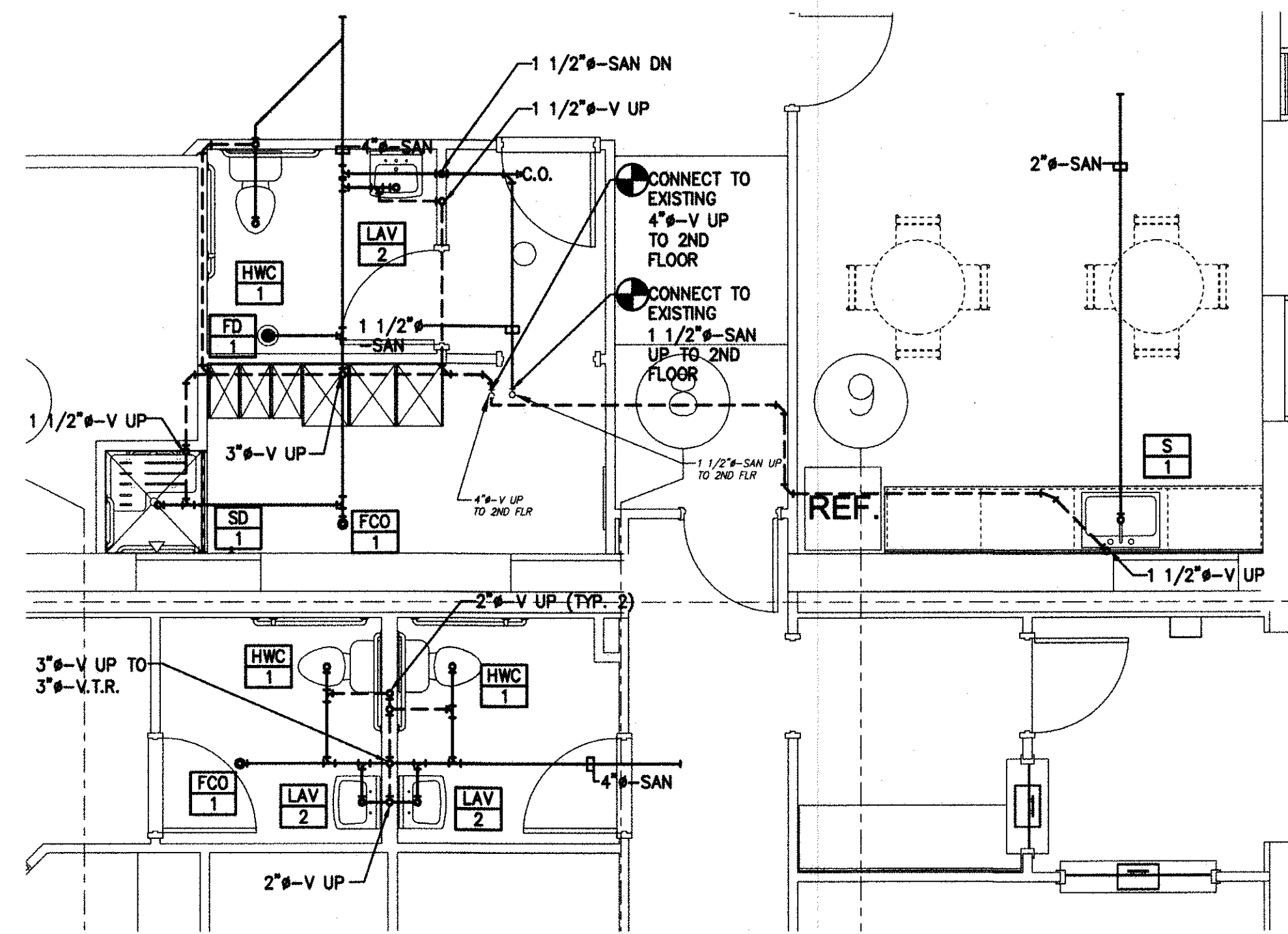
DRAWN BY: B.Z. DESIGN BY: TK. CHECKED BY: _____ SCALE: AS NOTED
 DATE: 8/2017 SHEET No.: P-21
 JOB No.: 05-104J-072.1



PLUMBING SANITARY PIPING PLAN
 SCALE: 1/8"=1'-0"

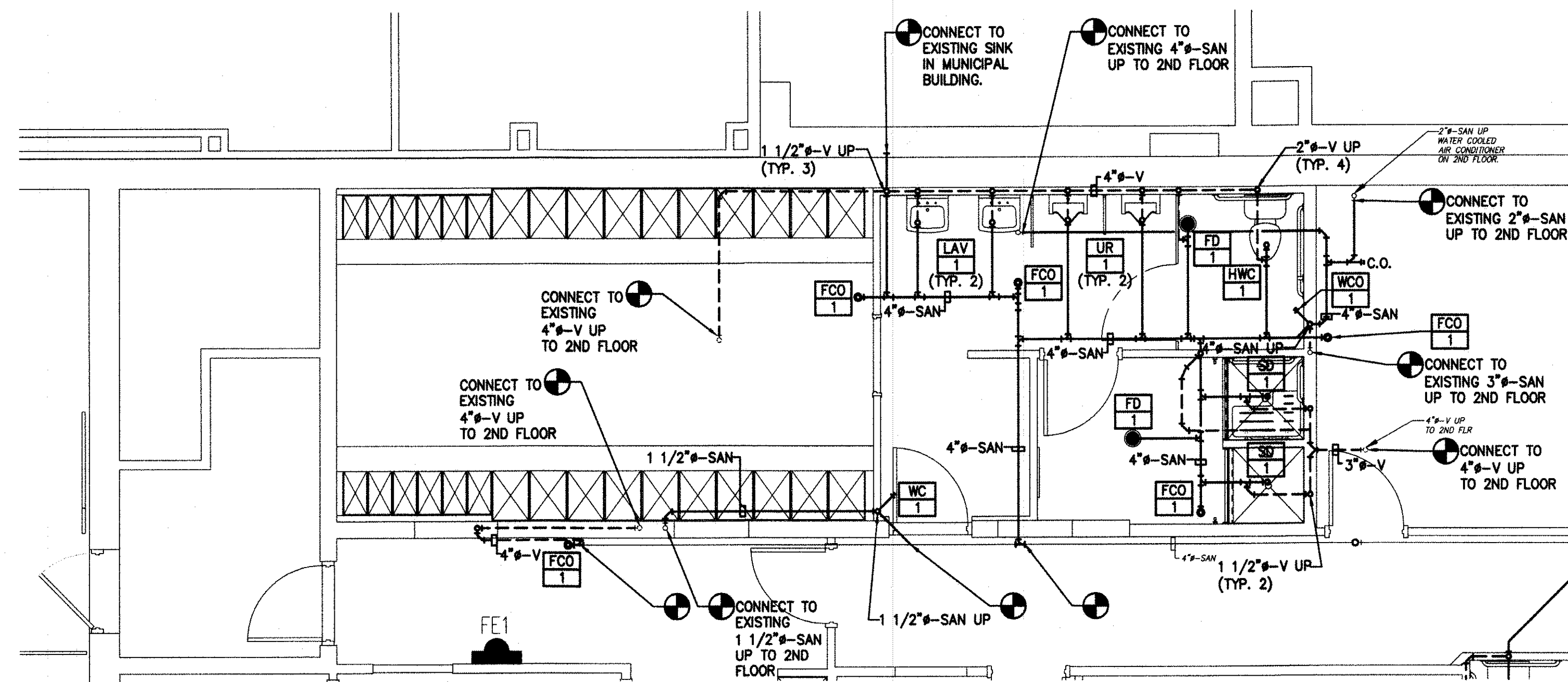
- NOTES:**
1. ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING M-1.0 APPLY TO THIS DRAWING.
 2. ALL INVERTS SHOWN ARE APPROXIMATE. INVERT ELEVATION BASED ON FINISHED FLOOR ELEVATION OF 0.00'.
 3. ALL HORIZONTAL DRAINAGE PIPING 3 INCHES IN DIAMETER AND SMALLER SHALL BE SLOPED A MINIMUM OF 1/4" PER FOOT IN THE DIRECTION OF FLOW. ALL HORIZONTAL DRAINAGE PIPING 4 INCHES IN DIAMETER AND LARGER SHALL BE SLOPED A MINIMUM OF 1/8" PER FOOT IN THE DIRECTION OF FLOW.
 4. CONTRACTOR SHALL ROUTE DRAINAGE RISERS AND VENT LINES IN THE WALLS WHERE SHOWN. WHERE PIPING CAN NOT BE LOCATED IN WALLS, THE CONTRACTOR SHALL PROVIDE CHASE WALLS AS REQUIRED TO CONCEAL PIPING FROM VIEW. CHASE WALL AND FINISH TO MATCH SURROUNDING WALLS. COORDINATE ALL CHASE WALLS WITH ARCHITECT.
 5. COORDINATE PIPING LAYOUTS IN ALL AREAS WITH OTHER TRADES PRIOR TO INSTALLATION TO AVOID INTERFERENCES. RELOCATE NEW PIPE TO ACCOMMODATE NEW DUCTWORK, EQUIPMENT, STRUCTURE, CONDUIT, ETC.
 6. NOT ALL PIPE SIZES AND INLINE DEVICES ARE SHOWN ON THE PLAN FOR CLARITY PURPOSES. SEE THE PLUMBING RISER DIAGRAMS AND DETAIL SHEET(S) FOR ADDITIONAL REQUIREMENTS AND DETAILS. THE CONTRACTOR SHALL PROVIDE ALL REDUCERS, FITTINGS, ETC. AS REQUIRED TO COMPLETE THE NEW WORK EVEN IF NOT SPECIFICALLY SHOWN ON THE PLAN OR RISER DIAGRAMS.

ISSUED FOR BID
 DATE: 08-26-2017



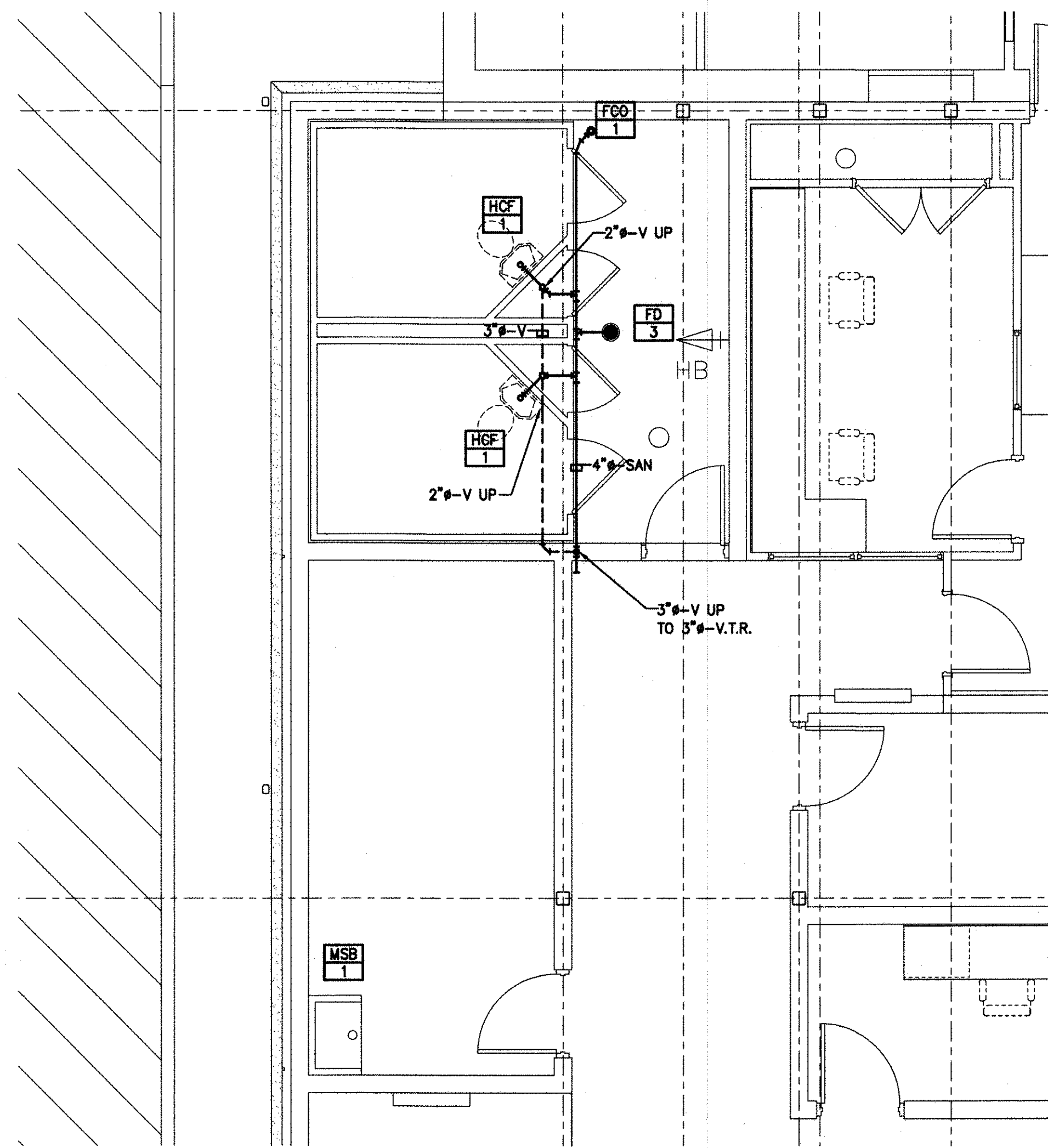
PLUMBING SANITARY PIPING ENLARGED WOMENS RM 141, WOMENS LOCKER ROOM 142 AND TOILER ROOMS 116 & 117 FLOOR PLANS

SCALE: 1/4=1'-0"



PLUMBING SANITARY PIPING ENLARGED MENS RM 134 AND MENS SHOWER 135 FLOOR PLANS

SCALE: 1/4=1'-0"



PLUMBING SANITARY PIPING ENLARGED HOLDING CELLS AND MECHANICAL ROOM FLOOR PLAN

SCALE: 1/4=1'-0"

NOTES:

1. ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING M-1.0 APPLY TO THIS DRAWING.
2. ALL INVERTS SHOWN ARE APPROXIMATE. INVERT ELEVATION BASED ON FINISHED FLOOR ELEVATION OF 0.00'.
3. ALL HORIZONTAL DRAINAGE PIPING 3 INCHES IN DIAMETER AND SMALLER SHALL BE SLOPED A MINIMUM OF 1/4" PER FOOT IN THE DIRECTION OF FLOW. ALL HORIZONTAL DRAINAGE PIPING 4 INCHES IN DIAMETER AND LARGER SHALL BE SLOPED A MINIMUM OF 1/8" PER FOOT IN THE DIRECTION OF FLOW.
4. CONTRACTOR SHALL ROUTE DRAINAGE RISERS AND VENT LINES IN THE WALLS WHERE SHOWN. WHERE PIPING CAN NOT BE LOCATED IN WALLS, THE CONTRACTOR SHALL PROVIDE CHASE WALLS AS REQUIRED TO CONCEAL PIPING FROM VIEW. CHASE WALL AND FINISH TO MATCH SURROUNDING WALLS. COORDINATE ALL CHASE WALLS WITH ARCHITECT.
5. COORDINATE PIPING LAYOUTS IN ALL AREAS WITH OTHER TRADES PRIOR TO INSTALLATION TO AVOID INTERFERENCES. RELOCATE NEW PIPE TO ACCOMMODATE NEW DUCTWORK, EQUIPMENT, STRUCTURE, CONDUIT, ETC.
6. NOT ALL PIPE SIZES AND INLINE DEVICES ARE SHOWN ON THE PLAN FOR CLARITY PURPOSES. SEE THE PLUMBING RISER DIAGRAMS AND DETAIL SHEET(S) FOR ADDITIONAL REQUIREMENTS AND DETAILS. THE CONTRACTOR SHALL PROVIDE ALL REDUCERS, FITTINGS, ETC. AS REQUIRED TO COMPLETE THE NEW WORK EVEN IF NOT SPECIFICALLY SHOWN ON THE PLAN OR RISER DIAGRAMS.

RV & W
REMINGTON, VERNICK & WALBERG ENGINEERS
 4907 NEW JERSEY AVENUE
 WILDWOOD CITY, N.J. 08260
 (800) 622-6150, FAX (800) 822-6313
 WEB SITE ADDRESS: WWW.RVE.COM
 Certification of Authorization: 24 GA 28048700
 -ENGINEERING EXCELLENCE SINCE 1991-

DATE: 06-22-07
EDWARD J. WALBERG
 NJ PROFESSIONAL ENGINEER LIC. No. 37259
Christopher A. Saponaro
 DATE: 06-22-07
CHRISTOPHER A. SAPONARO
 NJ PROFESSIONAL ENGINEER LIC. No. 40059

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.
 ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES 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 EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO REMINGTON & VERNICK ENGINEERS AND AFFILIATES. AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON & VERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

NO.	REVISION	DATE	BY

PLUMBING SANITARY PIPING ENLARGED FLOOR PLAN
 STONE HARBOR POLICE STATION
 SINGLE STORY EXPANSION
 BOROUGH OF STONE HARBOR CAPE MAY COUNTY NEW JERSEY

DRAWN BY: BZ DESIGN BY: TK CHECKED BY: [Signature] SCALE: AS NOTED
 DATE: 8/2017 SHEET No.: P-22
 05-10-U-072.1

ISSUED FOR BID
 DATE: 06-26-2017



**REMINGTON, VERNICK
& WALBERG ENGINEERS**
4907 NEW JERSEY AVENUE
WILDWOOD CITY, N.J. 08260
(809) 522-6150, FAX (809) 522-5313
WEB SITE ADDRESS: WWW.RVE.COM
Certification of Authorization: 24 GA 28048700
ENGINEERING EXCELLENCE SINCE 1901

DATE:
EDWARD J. WALBERG
NJ PROFESSIONAL ENGINEER LIC. No. 37259

Christopher A. Saponaro
DATE: *05-22-11*
CHRISTOPHER A. SAPONARO
NJ PROFESSIONAL ENGINEER LIC. No. 40059

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID

ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES 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 EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO REMINGTON & VERNICK ENGINEERS AND AFFILIATES, AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON & VERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

NO.	REVISION	DATE	BY

PLUMBING STORM PIPING ROOF PLAN

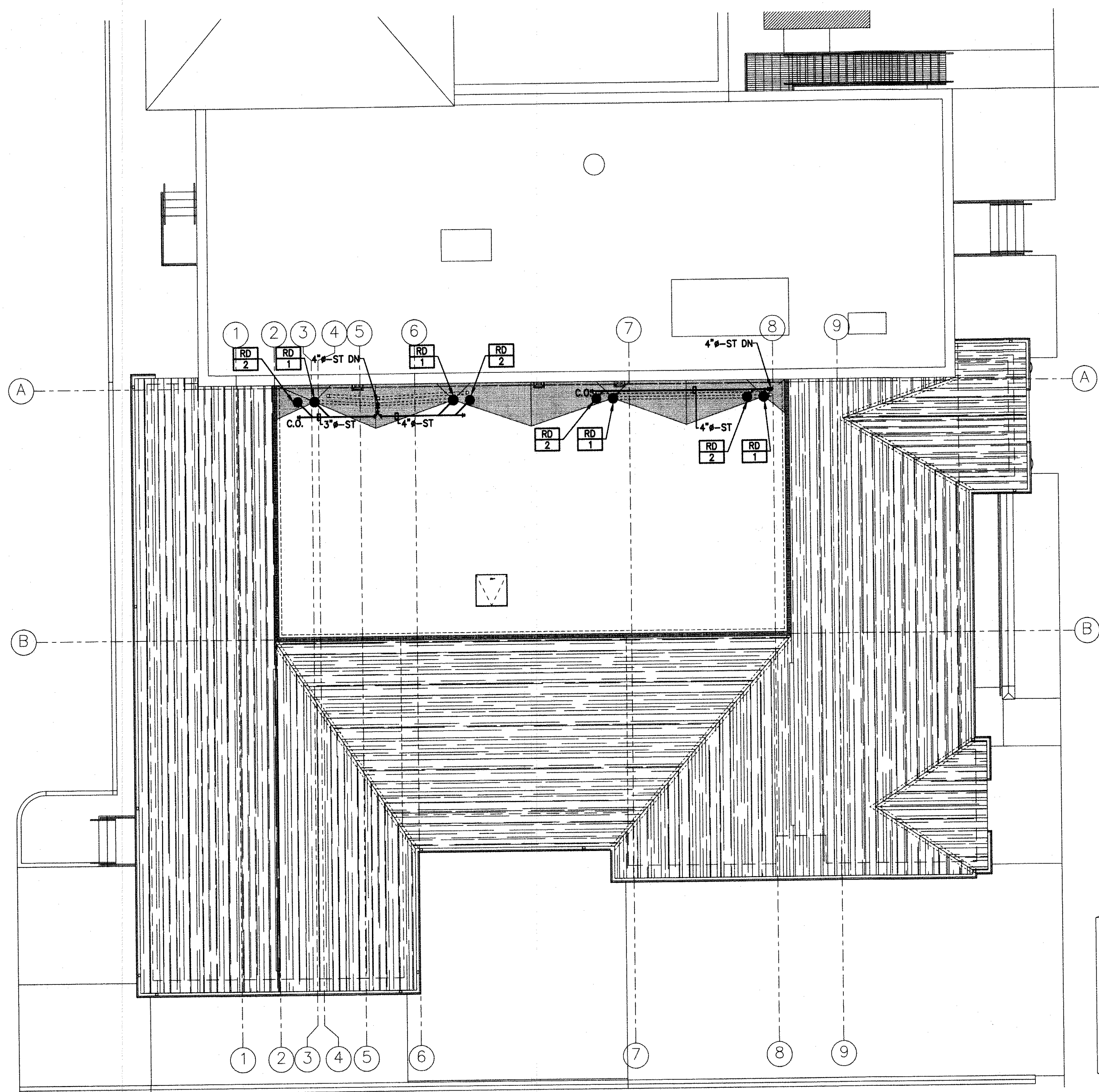
**STONE HARBOR POLICE STATION
SINGLE STORY EXPANSION**

NEW JERSEY

CAPE MAY COUNTY

BOROUGH OF STONE HARBOR

08-09-2011 09:34 AM



NOTES:

1. ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING M-1.0 APPLY TO THIS DRAWING.
2. ALL INVERTS SHOWN ARE APPROXIMATE. INVERT ELEVATION BASED ON FINISHED FLOOR ELEVATION OF 0.00'.
3. ALL HORIZONTAL DRAINAGE PIPING 3 INCHES IN DIAMETER AND SMALLER SHALL BE SLOPED A MINIMUM OF 1/4" PER FOOT IN THE DIRECTION OF FLOW. ALL HORIZONTAL DRAINAGE PIPING 4 INCHES IN DIAMETER AND LARGER SHALL BE SLOPED A MINIMUM OF 1/8" PER FOOT IN THE DIRECTION OF FLOW.
4. CONTRACTOR SHALL ROUTE DRAINAGE RISERS AND VENT LINES IN THE WALLS WHERE SHOWN. WHERE PIPING CAN NOT BE LOCATED IN WALLS, THE CONTRACTOR SHALL PROVIDE CHASE WALLS AS REQUIRED TO CONCEAL PIPING FROM VIEW. CHASE WALL AND FINISH TO MATCH SURROUNDING WALLS. COORDINATE ALL CHASE WALLS WITH ARCHITECT.
5. COORDINATE PIPING LAYOUTS IN ALL AREAS WITH OTHER TRADES PRIOR TO INSTALLATION TO AVOID INTERFERENCES. RELOCATE NEW PIPE TO ACCOMMODATE NEW DUCTWORK, EQUIPMENT, STRUCTURE, CONDUIT, ETC.
6. NOT ALL PIPE SIZES AND IN-LINE DEVICES ARE SHOWN ON THE PLAN FOR CLARITY PURPOSES. SEE THE PLUMBING RISER DIAGRAMS AND DETAIL SHEET(S) FOR ADDITIONAL REQUIREMENTS AND DETAILS. THE CONTRACTOR SHALL PROVIDE ALL REDUCERS, FITTINGS, ETC. AS REQUIRED TO COMPLETE THE NEW WORK EVEN IF NOT SPECIFICALLY SHOWN ON THE PLAN OR RISER DIAGRAMS.

ISSUED FOR BID
DATE: 06-26-2011

DATE: 06/20/11	SCALE: AS NOTED
528 No.: 06-10-U-072.1	SHEET No.: P-23



**REMINGTON, VERNICK
& WALBERG ENGINEERS**
4907 NEW JERSEY AVENUE
WILDWOOD CITY, N.J. 08260
(609) 822-6150, FAX (609) 822-5313
WEB SITE ADDRESS: WWW.RVE.COM
Certification of Authorization: 24 GA 28046700
-ENGINEERING EXCELLENCE SINCE 1901-

DATE:
EDWARD J. WALBERG
NJ PROFESSIONAL ENGINEER LIC. No. 37259
Christopher A. Saponaro
DATE: **08-22-11**
CHRISTOPHER A. SAPONARO
NJ PROFESSIONAL ENGINEER LIC. No. 40059

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID

ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES 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 EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNER'S SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO REMINGTON & VERNICK ENGINEERS AND AFFILIATES. AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON & VERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

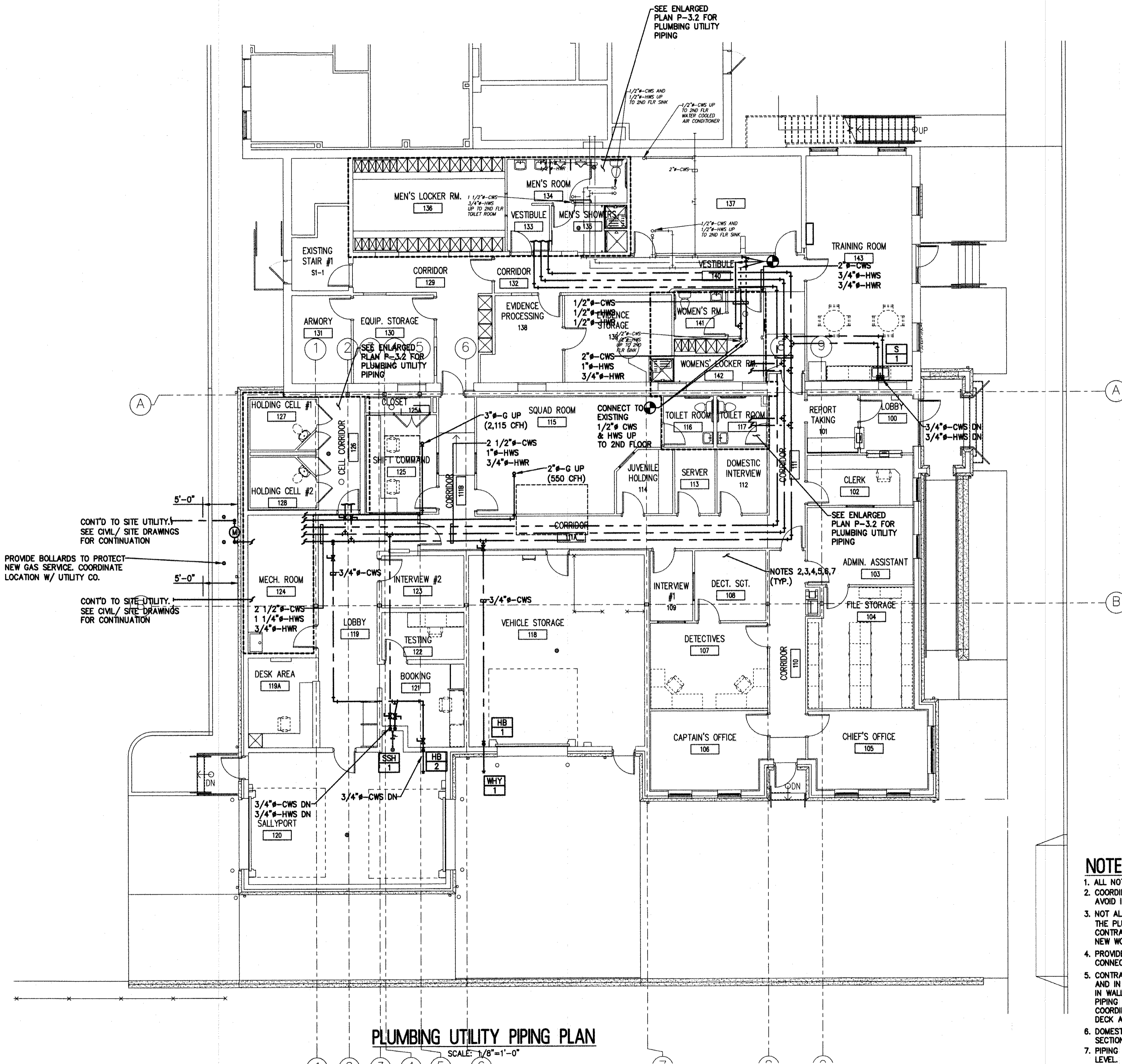
No.	REVISION	DATE	BY

PLUMBING UTILITY PIPING FIRST FLOOR PLAN

STONE HARBOR POLICE STATION
SINGLE STORY EXPANSION

BOROUGH OF STONE HARBOR
CAPE MAY COUNTY
NEW JERSEY

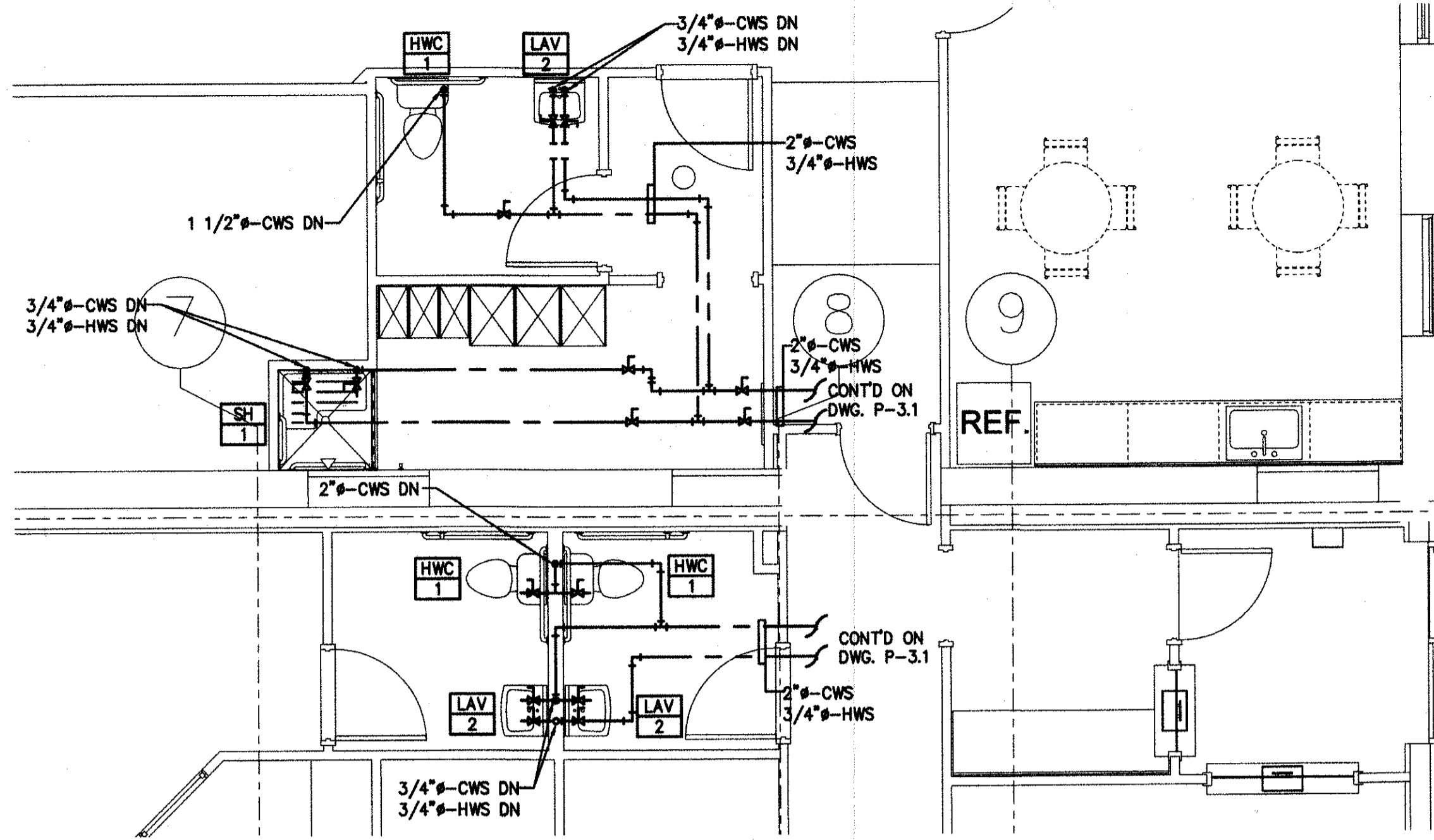
DRAWN BY: B.Z.	DESIGNED BY: T.K.	CHECKED BY: <i>[Signature]</i>	SCALE: AS NOTED
DATE: 8/20/17	SHEET No.:		P-3.1
JOB No.:	DATE:		05-10-U-072.1



NOTES:

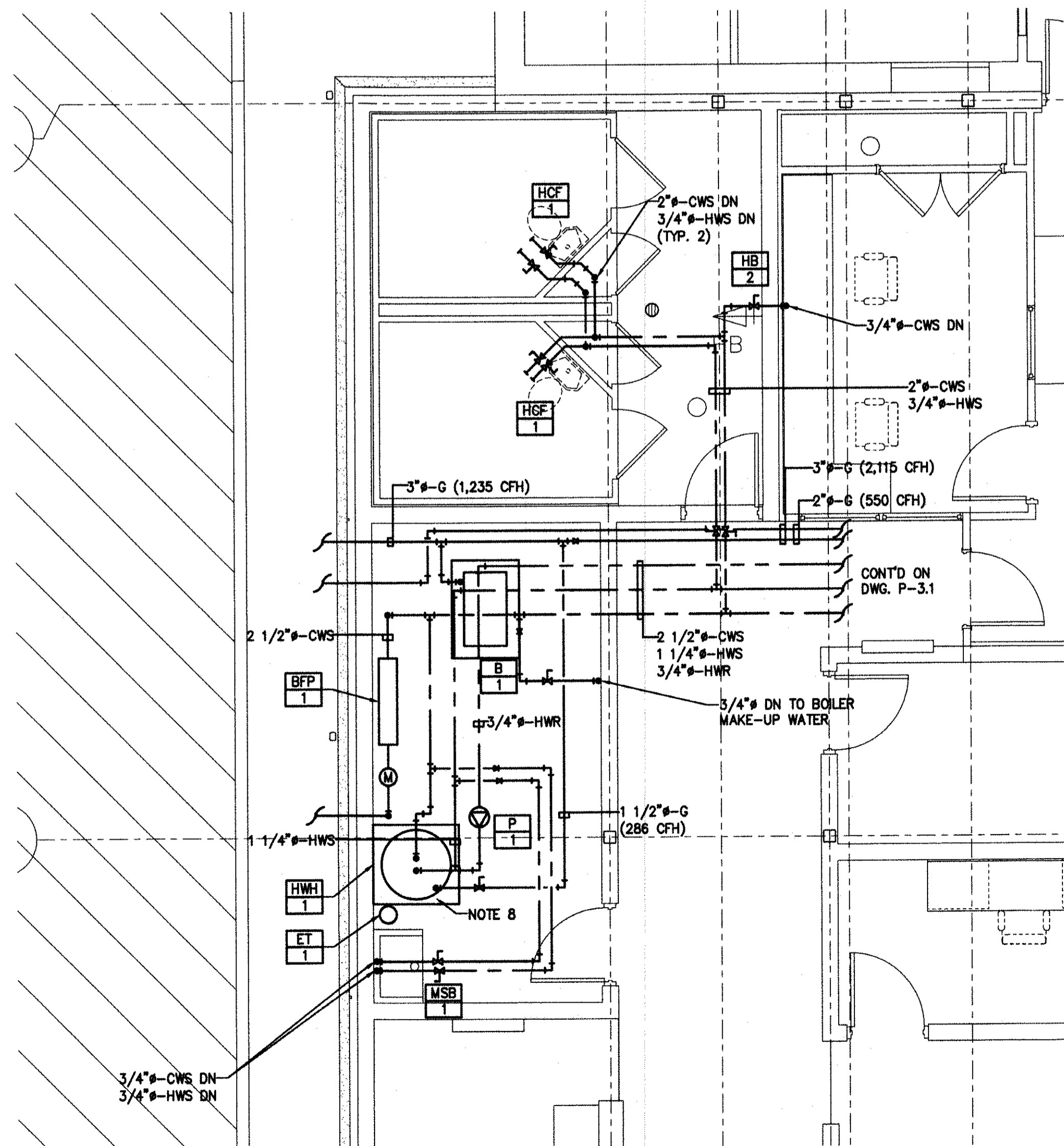
1. ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING M-1.0 APPLY TO THIS DRAWING.
2. COORDINATE PIPING LAYOUTS IN ALL AREAS WITH OTHER TRADES PRIOR TO INSTALLATION TO AVOID INTERFERENCES.
3. NOT ALL PIPE SIZES AND IN-LINE DEVICES ARE SHOWN ON THE PLAN FOR CLARITY. SEE THE PLUMBING RISER DIAGRAMS AND DETAIL SHEET(S) FOR ADDITIONAL INFORMATION. THE CONTRACTOR SHALL PROVIDE ALL REDUCERS, VALVES, ETC. AS REQUIRED TO COMPLETE THE NEW WORK EVEN IF NOT SPECIFICALLY SHOWN ON THE PLAN, RISER, OR DETAIL DRAWINGS.
4. PROVIDE LINE SIZE SHUT-OFF VALVES IN BRANCH LINES WHERE BRANCH LINES CONNECT TO MAINS.
5. CONTRACTOR SHALL ROUTE UTILITY AND DRAINAGE PIPING ABOVE CEILINGS, BELOW FLOORS, AND IN WALLS AS SHOWN, UNLESS OTHERWISE NOTED. WHEN PIPING CAN NOT BE LOCATED IN WALLS, THE CONTRACTOR SHALL PROVIDE CHASE WALLS AS REQUIRED TO CONCEAL PIPING FROM VIEW. CHASE WALL MATERIAL AND FINISH TO MATCH THE SURROUNDING WALLS. COORDINATE CHASE WALLS WITH ARCHITECT. ROUTE UTILITY MAINS AS CLOSE TO THE ROOF DECK AS POSSIBLE. ROUTE PIPE THROUGH OPEN WEB JOIST WHERE POSSIBLE.
6. DOMESTIC WATER PIPING SHALL BE SOLDERED COPPER TUBE. SEE CONTRACT SPECIFICATION SECTION 221116.
7. PIPING SHOWN IN AREAS WITH OPEN/EXPOSED CEILING SHALL BE INSTALLED AT CEILING LEVEL.
8. COORDINATE GAS PIPING CONNECTION LOCATIONS WITH EQUIPMENT IN FIELD. APPROXIMATE GAS CONNECTION LOCATIONS ARE SHOWN FOR CLARITY PURPOSES.

ISSUED FOR BID
DATE: 08-26-2017



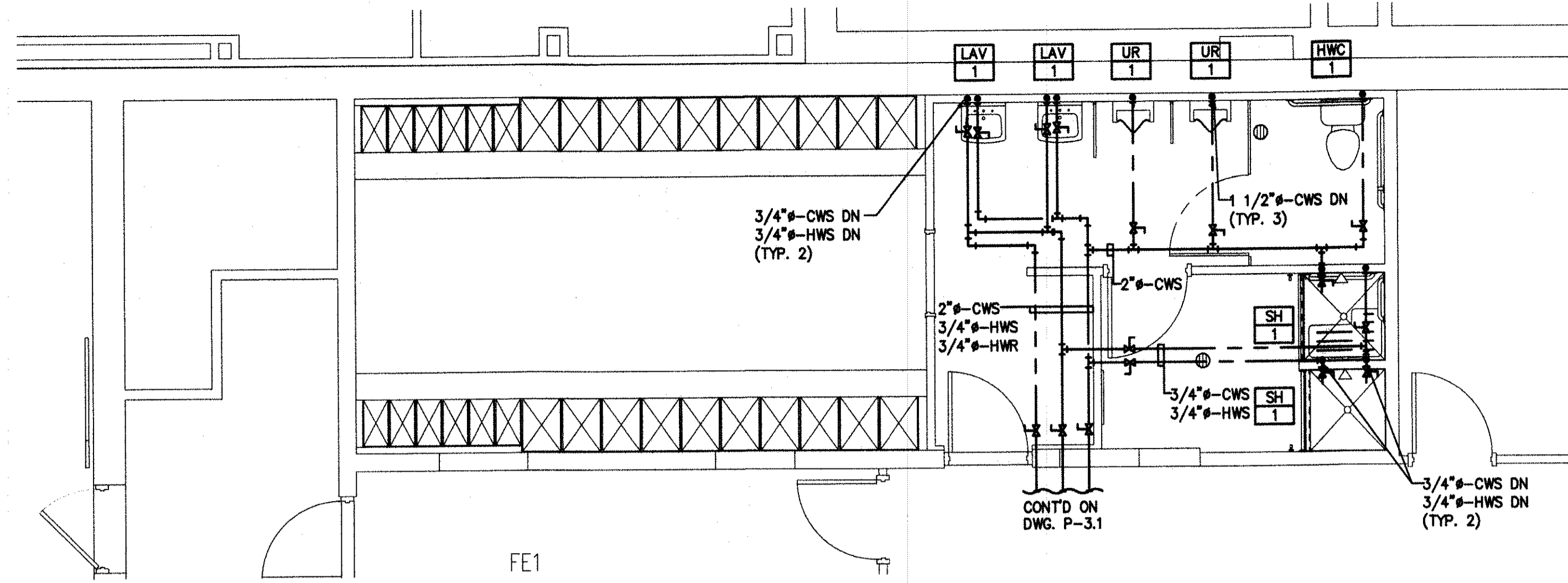
PLUMBING UTILITY PIPING ENLARGED WOMENS RM 141, WOMENS LOCKER ROOM 142 AND TOILER ROOMS 116 & 117 FLOOR PLANS

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



PLUMBING UTILITY PIPING ENLARGED HOLDING CELLS AND MECHANICAL ROOM FLOOR PLAN

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



PLUMBING UTILITY PIPING ENLARGED MENS RM 134 AND MENS SHOWER 135 FLOOR PLANS

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

NOTES:

1. ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING M-1.0 APPLY TO THIS DRAWING.
2. COORDINATE PIPING LAYOUTS IN ALL AREAS WITH OTHER TRADES PRIOR TO INSTALLATION TO AVOID INTERFERENCES.
3. NOT ALL PIPE SIZES AND IN-LINE DEVICES ARE SHOWN ON THE PLAN FOR CLARITY. SEE THE PLUMBING RISER DIAGRAMS AND DETAIL SHEET(S) FOR ADDITIONAL INFORMATION. THE CONTRACTOR SHALL PROVIDE ALL REDUCERS, VALVES, ETC. AS REQUIRED TO COMPLETE THE NEW WORK EVEN IF NOT SPECIFICALLY SHOWN ON THE PLAN, RISER, OR DETAIL DRAWINGS.
4. PROVIDE LINE SIZE SHUT-OFF VALVES IN BRANCH LINES WHERE BRANCH LINES CONNECT TO MAINS.
5. CONTRACTOR SHALL ROUTE UTILITY AND DRAINAGE PIPING ABOVE CEILINGS, BELOW FLOORS, AND IN WALLS AS SHOWN, UNLESS OTHERWISE NOTED. WHEN PIPING CAN NOT BE LOCATED IN WALLS, THE CONTRACTOR SHALL PROVIDE CHASE WALLS AS REQUIRED TO CONCEAL PIPING FROM VIEW. CHASE WALL MATERIAL AND FINISH TO MATCH THE SURROUNDING WALLS. COORDINATE CHASE WALLS WITH ARCHITECT. ROUTE UTILITY MAINS AS CLOSE TO THE ROOF DECK AS POSSIBLE. ROUTE PIPE THROUGH OPEN WEB JOIST WHERE POSSIBLE.
6. DOMESTIC WATER PIPING SHALL BE SOLDERED COPPER TUBE. SEE CONTRACT SPECIFICATION SECTION 221116.
7. PIPING SHOWN IN AREAS WITH OPEN/EXPOSED CEILING SHALL BE INSTALLED AT CEILING LEVEL.
8. PROVIDE NEW 4" THICK CONCRETE PAD. PAD TO EXTEND 6 INCHES PAST EQUIPMENT ON ALL SIDES. INCLUDE WWF 6x6-W2.9xW2.9 IMBEDDED AT MID-DEPTH. PREPARE CONCRETE FLOOR WITH BONDING AGENT TO ENSURE PROPER ADHESION OF NEW CONCRETE PAD. PROVIDE SIX (6) #4 REINFORCING BARS AT A MINIMUM 3" EMBEDMENT AT FOUR (4) CORNERS AND AT MID SPAN ON LONGEST SIDE OF PAD. BARS SHOULD EXTEND 3" ABOVE EXISTING FINISHED FLOOR. GROUT BARS INTO EXISTING FLOOR PRIOR TO POURING NEW EQUIPMENT PAD. CONCRETE PAD SHALL BE IN ACCORDANCE WITH THE DIVISION 15 SPECIFICATIONS.



REMINGTON, VERNICK & WALBERG ENGINEERS
 4807 NEW JERSEY AVENUE
 WILDWOOD CITY, N.J. 08280
 (800) 522-5150, FAX (800) 522-5313
 WEB SITE ADDRESS: WWW.RVW.COM
 Certification of Authorization: 24 GA 28048700
 ENGINEERING EXCELLENCE SINCE 1901

DATE: _____
EDWARD J. WALBERG
 NJ PROFESSIONAL ENGINEER LIC. No. 37258
Christopher A. Saponaro
 DATE: 08-22-17
CHRISTOPHER A. SAPONARO
 NJ PROFESSIONAL ENGINEER LIC. No. 40059

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.

ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES 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 EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO REMINGTON & VERNICK ENGINEERS AND AFFILIATES. OWNER SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON & VERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

NO.	REVISION	DATE	BY

PLUMBING UTILITY PIPING ENLARGED FLOOR PLAN
 STONE HARBOR POLICE STATION
 SINGLE STORY EXPANSION
 BOROUGH OF STONE HARBOR CAPE MAY COUNTY NEW JERSEY

DRAWN BY: B.Z. T.J.K.
 DATE: 8/20/17
 SHEET No.: P-3.2
 AS NOTED
 05-10-U-072.1

ISSUED FOR BID
 DATE: 08-28-2017



**REMINGTON, VERNICK
& WALBERG ENGINEERS**
4907 NEW JERSEY AVENUE
WILDWOOD CITY, N.J. 08260
(809) 522-5150, FAX (809) 522-5313
WEB SITE ADDRESS : WWW.RV.WE.COM
Certification of Authorization: 24 GA 28048700
-ENGINEERING EXCELLENCE SINCE 1901-

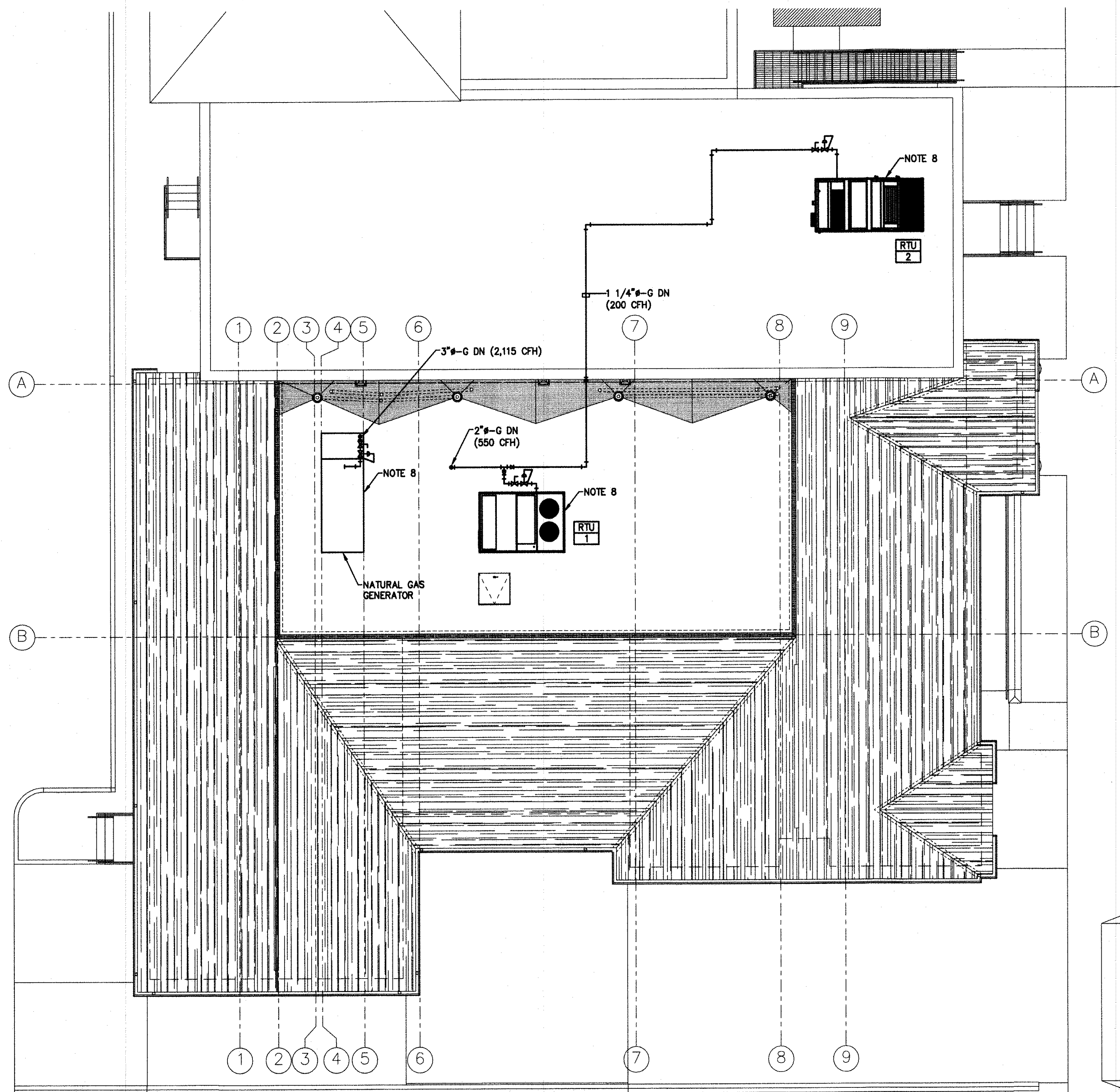
DATE:
EDWARD J. WALBERG
NJ PROFESSIONAL ENGINEER LIC. No. 37259

Christopher A. Saponaro
DATE: 08-22-17
CHRISTOPHER A. SAPONARO
NJ PROFESSIONAL ENGINEER LIC. No. 40059

PLANS WHICH DO NOT BEAR
AN EMBOSSED SEAL ARE NOT VALID.

ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES 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 EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES FOR THE SPECIFIC PROJECT INTERESTED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO REMINGTON & VERNICK ENGINEERS AND AFFILIATES; AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON & VERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

No.	REVISION	DATE	BY	CHK



PLUMBING FUEL GAS PIPING ROOF PLAN
SCALE: 1/8"=1'-0"

NOTES:

- ALL NOTES, SYMBOLS, AND ABBREVIATIONS ON DRAWING M-1.0 APPLY TO THIS DRAWING.
- COORDINATE PIPING LAYOUTS IN ALL AREAS WITH OTHER TRADES PRIOR TO INSTALLATION TO AVOID INTERFERENCES.
- NOT ALL PIPE SIZES AND IN-LINE DEVICES ARE SHOWN ON THE PLAN FOR CLARITY, SEE THE PLUMBING RISER DIAGRAMS AND DETAIL SHEET(S) FOR ADDITIONAL INFORMATION. THE CONTRACTOR SHALL PROVIDE ALL REDUCERS, VALVES, ETC. AS REQUIRED TO COMPLETE THE NEW WORK EVEN IF NOT SPECIFICALLY SHOWN ON THE PLAN, RISER, OR DETAIL DRAWINGS.
- PROVIDE LINE SIZE SHUT-OFF VALVES IN BRANCH LINES WHERE BRANCH LINES CONNECT TO MAINS.
- CONTRACTOR SHALL ROUTE UTILITY AND DRAINAGE PIPING ABOVE CEILINGS, BELOW FLOORS, AND IN WALLS AS SHOWN, UNLESS OTHERWISE NOTED. WHEN PIPING CAN NOT BE LOCATED IN WALLS, THE CONTRACTOR SHALL PROVIDE CHASE WALLS AS REQUIRED TO CONCEAL PIPING FROM VIEW. CHASE WALL MATERIAL AND FINISH TO MATCH THE SURROUNDING WALLS. COORDINATE CHASE WALLS WITH ARCHITECT. ROUTE UTILITY MAINS AS CLOSE TO THE ROOF DECK AS POSSIBLE. ROUTE PIPE THROUGH OPEN WEB JOIST WHERE POSSIBLE.
- DOMESTIC WATER PIPING SHALL BE SOLDERED COPPER TUBE. SEE CONTRACT SPECIFICATION SECTION 221116.
- PIPING SHOWN IN AREAS WITH OPEN/EXPOSED CEILING SHALL BE INSTALLED AT CEILING LEVEL.
- COORDINATE GAS PIPING CONNECTION LOCATIONS WITH EQUIPMENT IN FIELD. APPROXIMATE GAS CONNECTION LOCATIONS ARE SHOWN FOR CLARITY PURPOSES. SEE RISER DIAGRAM FOR ADDITIONAL PURPOSES.

**PLUMBING FUEL GAS PIPING ROOF
PLAN**

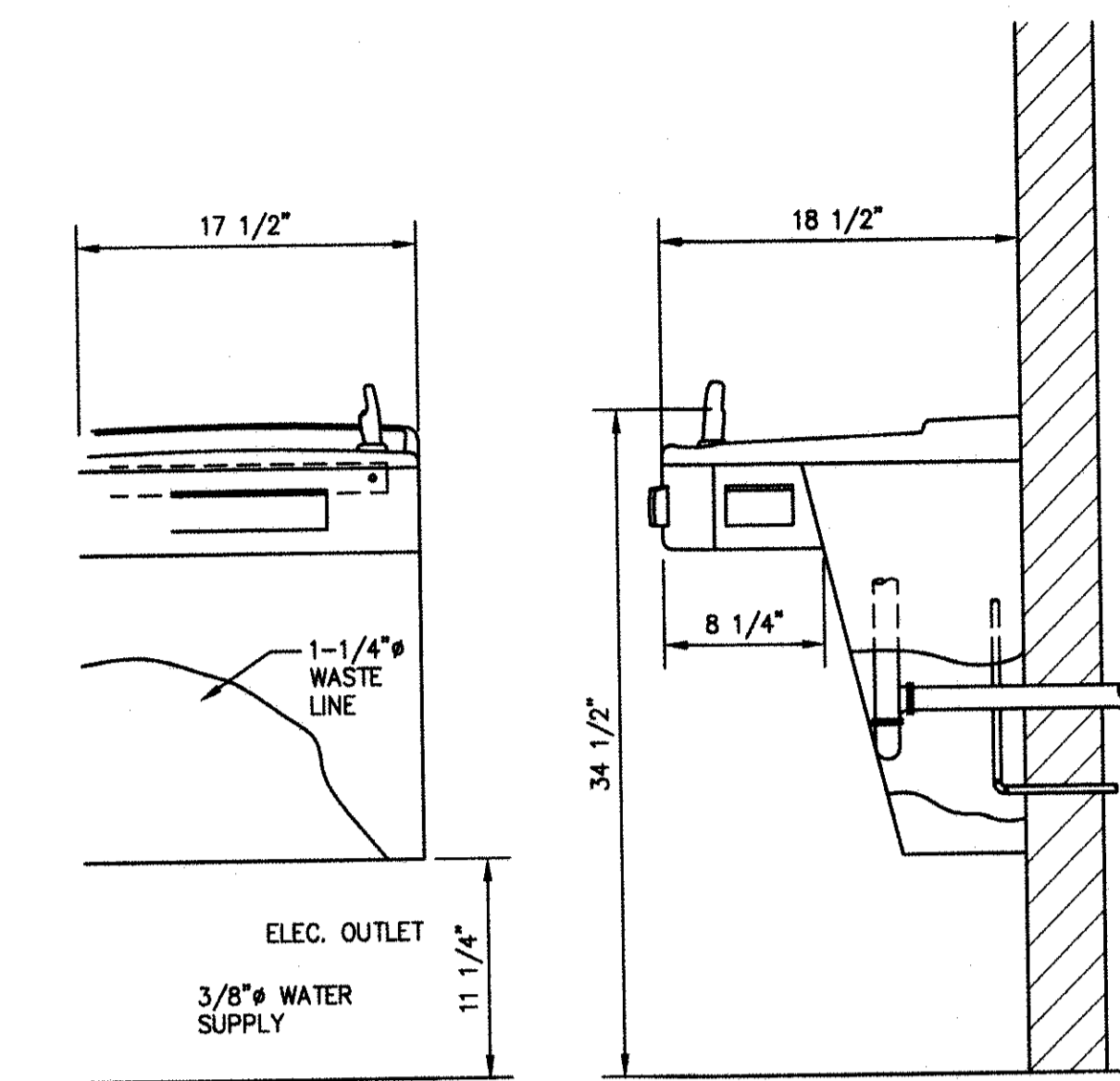
STONE HARBOR POLICE STATION
SINGLE STORY EXPANSION

BOROUGH OF STONE HARBOR CAPE MAY COUNTY NEW JERSEY

DRAWN BY:	DESIGN BY:	CHECKED BY:	SCALE:
B.Z.	T.K.	<i>[Signature]</i>	AS NOTED
DATE:	DATE:	SHEET No.:	
9/20/17		P-33	
JOB No.:			
05-10-14-072.1			

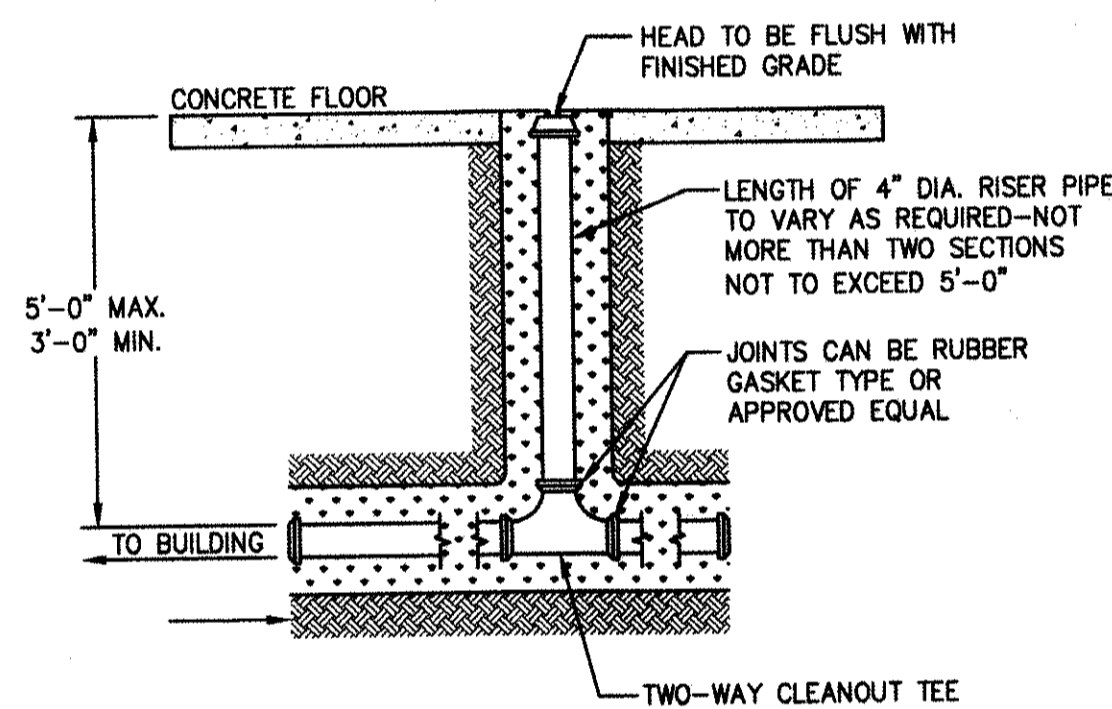
ISSUED FOR BID
DATE: 08-28-2017

P:\Projects\Stone Harbor\051014072.1\051014072.1_Plumbing\Issued For Bid\Fuel Gas Piping Roof Plan.dwg



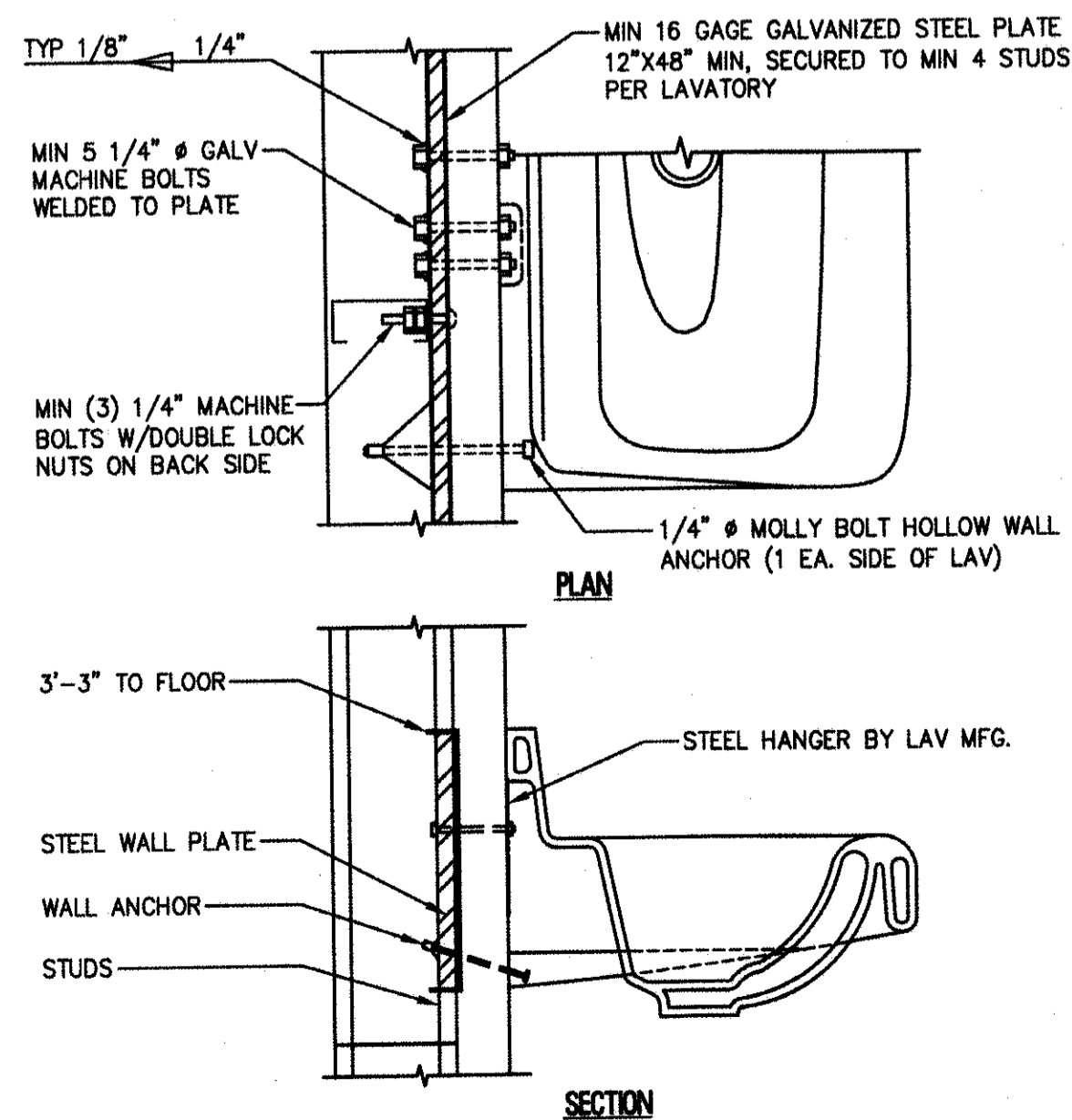
NOTES:
IF COOLER IS SET IN ALCOVE OR NEAR CORNER, ALLOW 1-1/2" PER SIDE FOR VENTILATION. SIMILAR FOR BARRIER-FREE SPLIT LEVEL COOLER. PROVIDE IN ACCORDANCE WITH THE ARCHITECTURAL DRAWINGS, MANUFACTURER'S RECOMMENDATIONS, AND ALL APPLICABLE CODES AND STANDARDS.

BARRIER-FREE VERSACOOILER
SCALE: N.T.S.

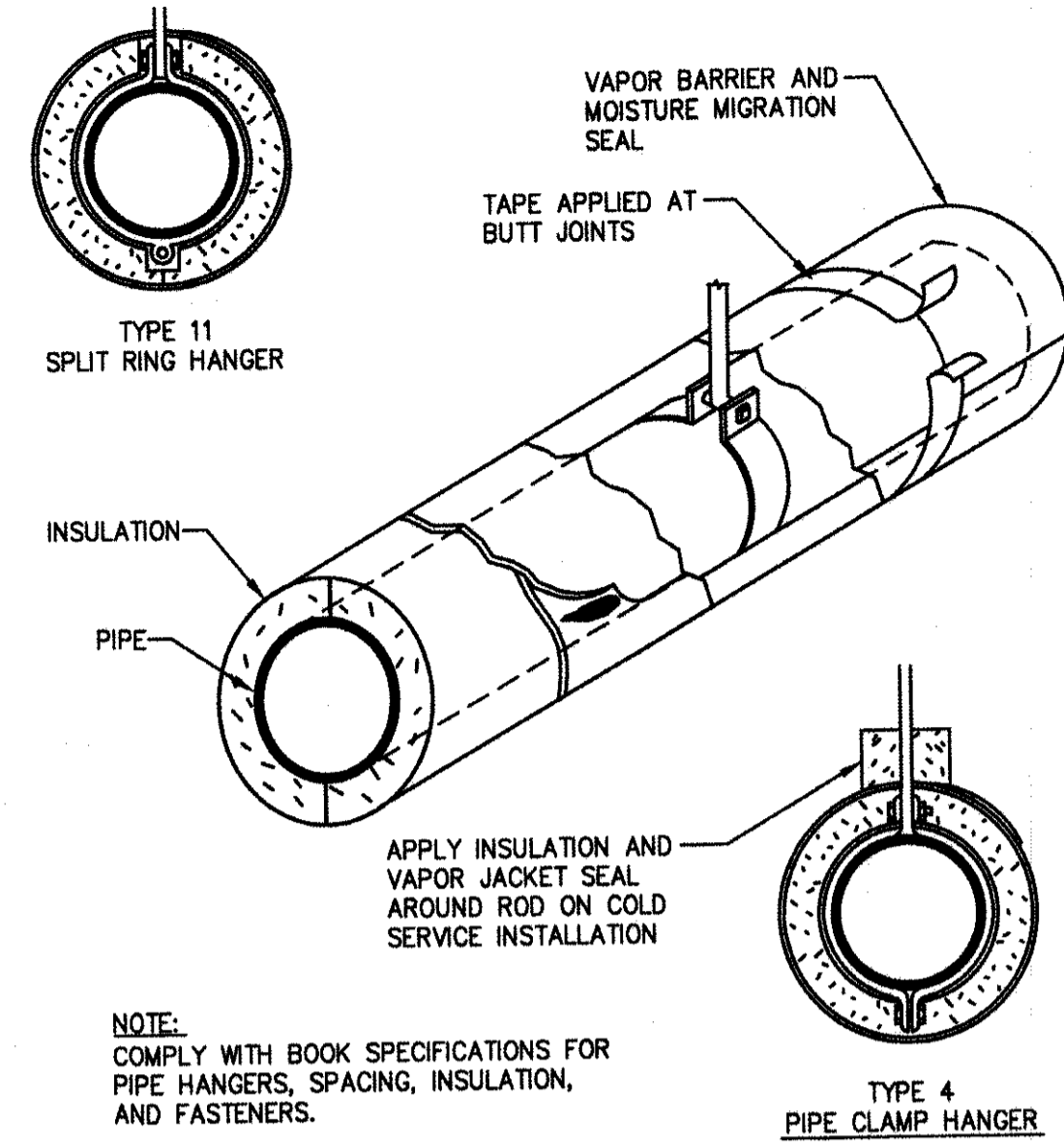


STANDARD CLEANOUT DETAIL
N.T.S.

PIPE TO BE INSTALLED ON VIRGIN OR COMPACTED SOIL (SEE DETAIL)

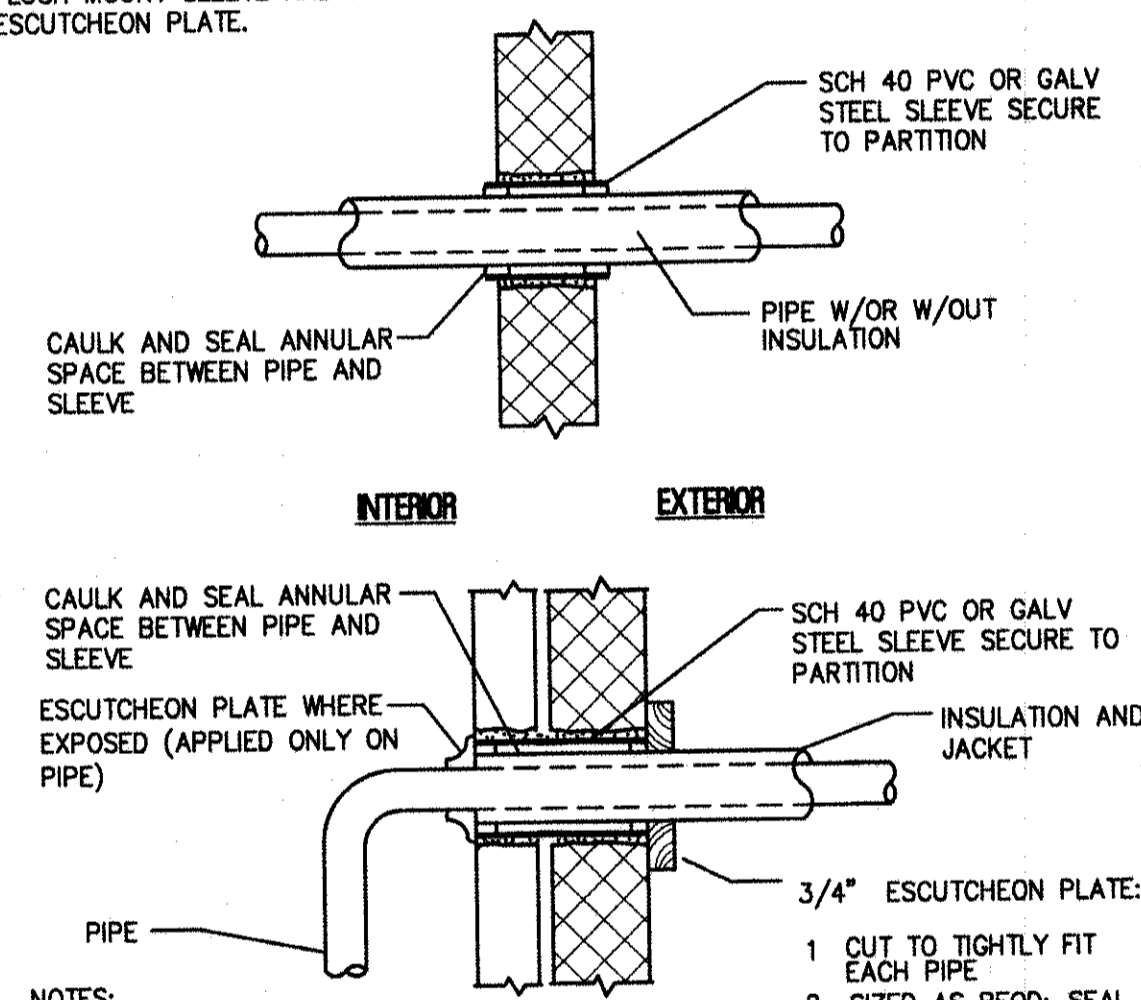


LAVATORY MOUNTING DETAIL
SCALE: N.T.S.



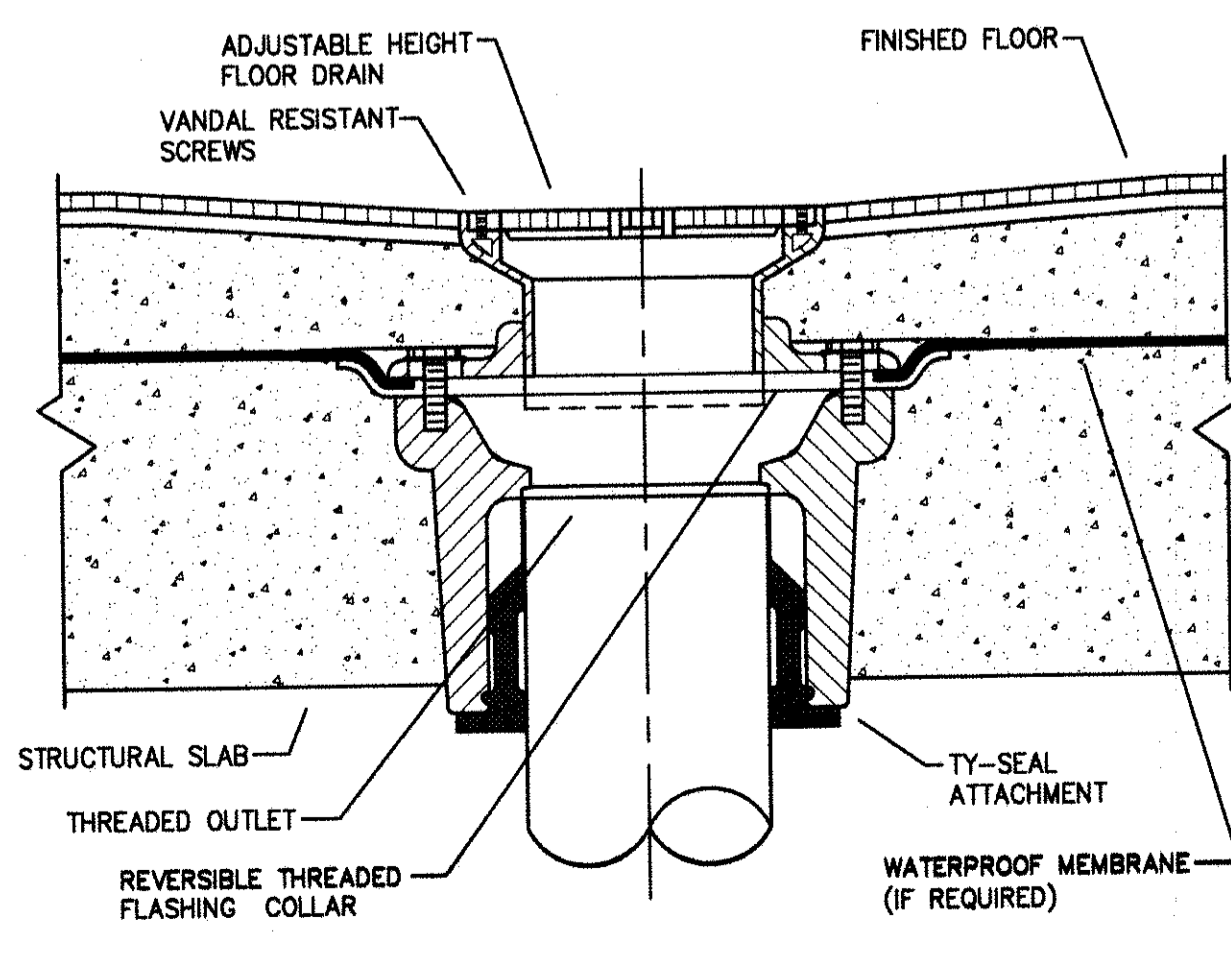
HANGER, INSULATION AND VAPOR JACKET DETAIL
N.T.S.

NOTE: WHERE PIPING IS EXPOSED AT FINISH WALLS, FLUSH MOUNT SLEEVE AND PROVIDE ESCUTCHEON PLATE.

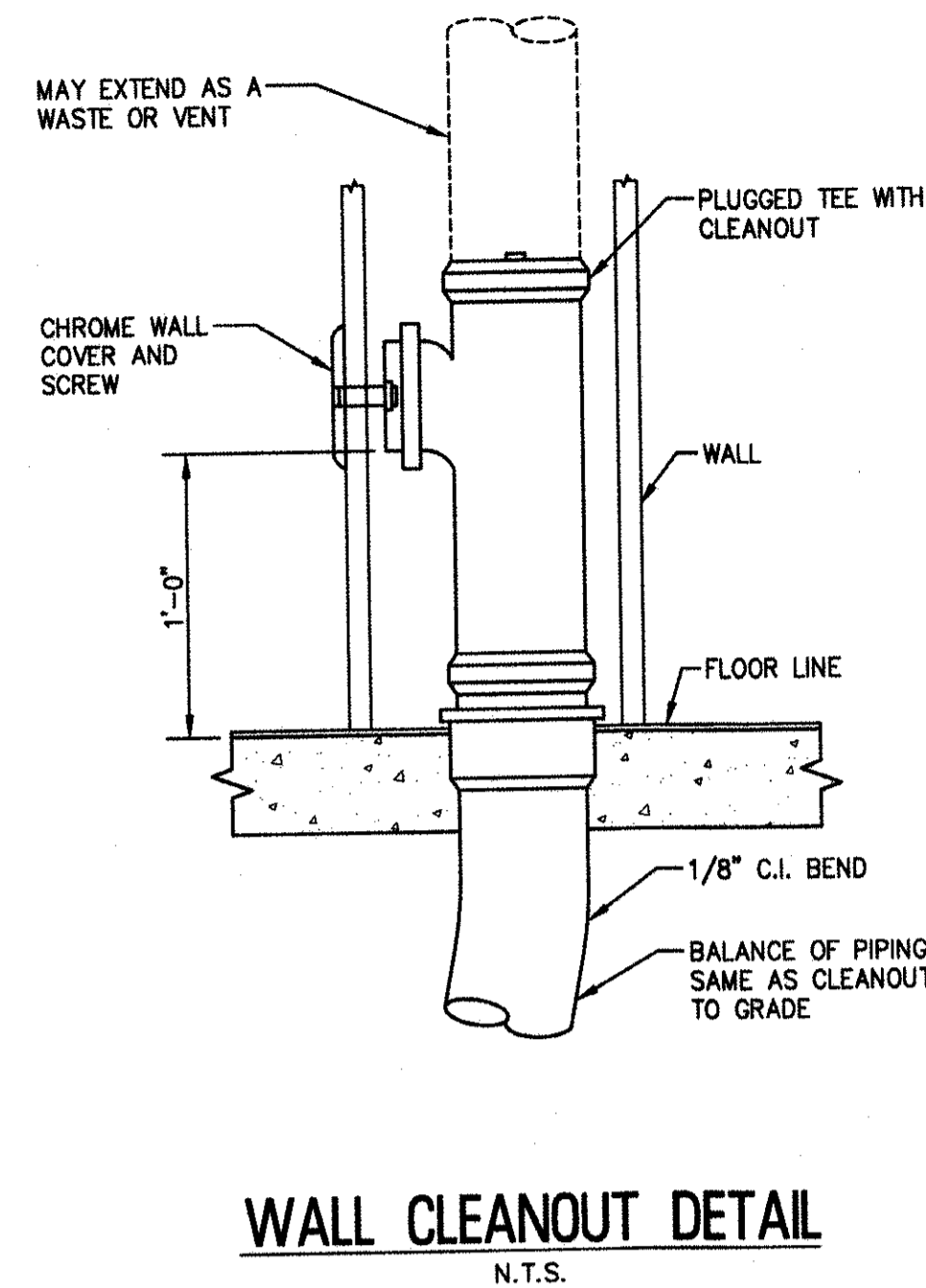


NOTES:
1. TYP FOR NON-INSULATED PIPE AND CONDUIT
2. TYP FOR MASONRY OR CONCRETE WALL
3. FIRE RATED WALLS MUST BE SEALED W/ APPROPRIATE FIRE RETARDED CAULKING
4. ESCUTCHEONS ARE MADE TO FIT PIPE ONLY

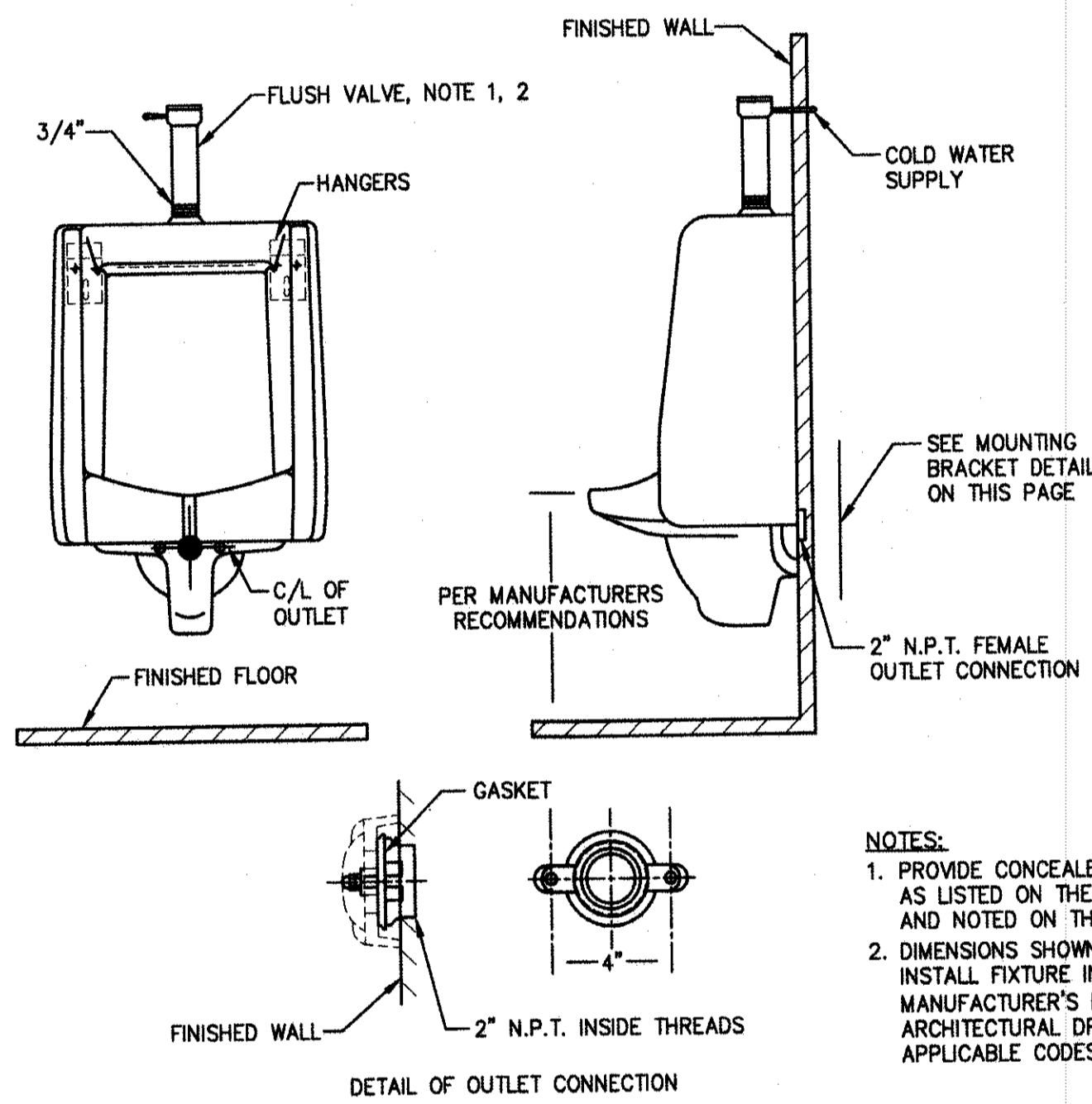
PIPE PENETRATION THRU WALLS
N.T.S.



FLOOR DRAIN DETAIL
N.T.S.

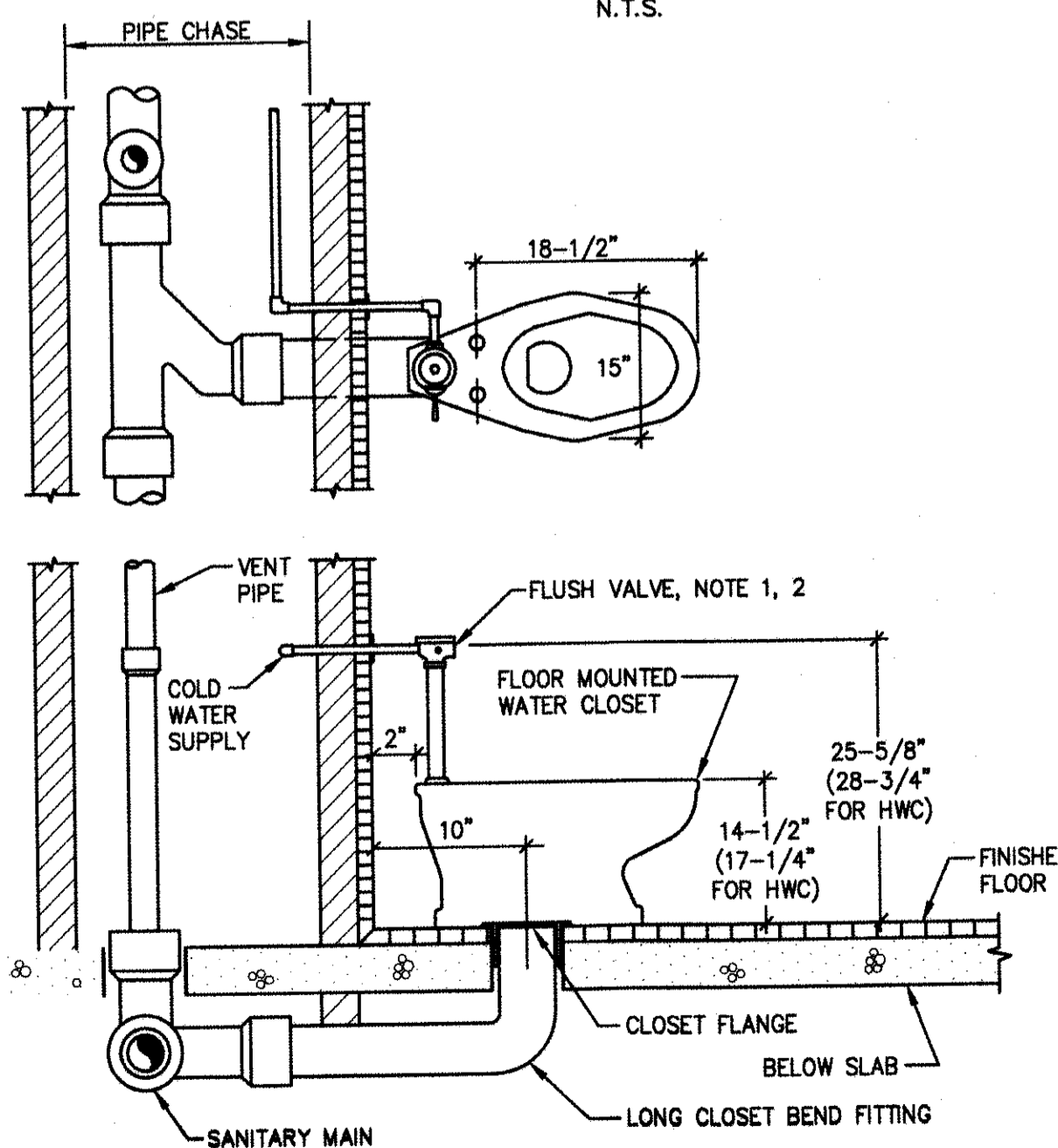


WALL CLEANOUT DETAIL
N.T.S.



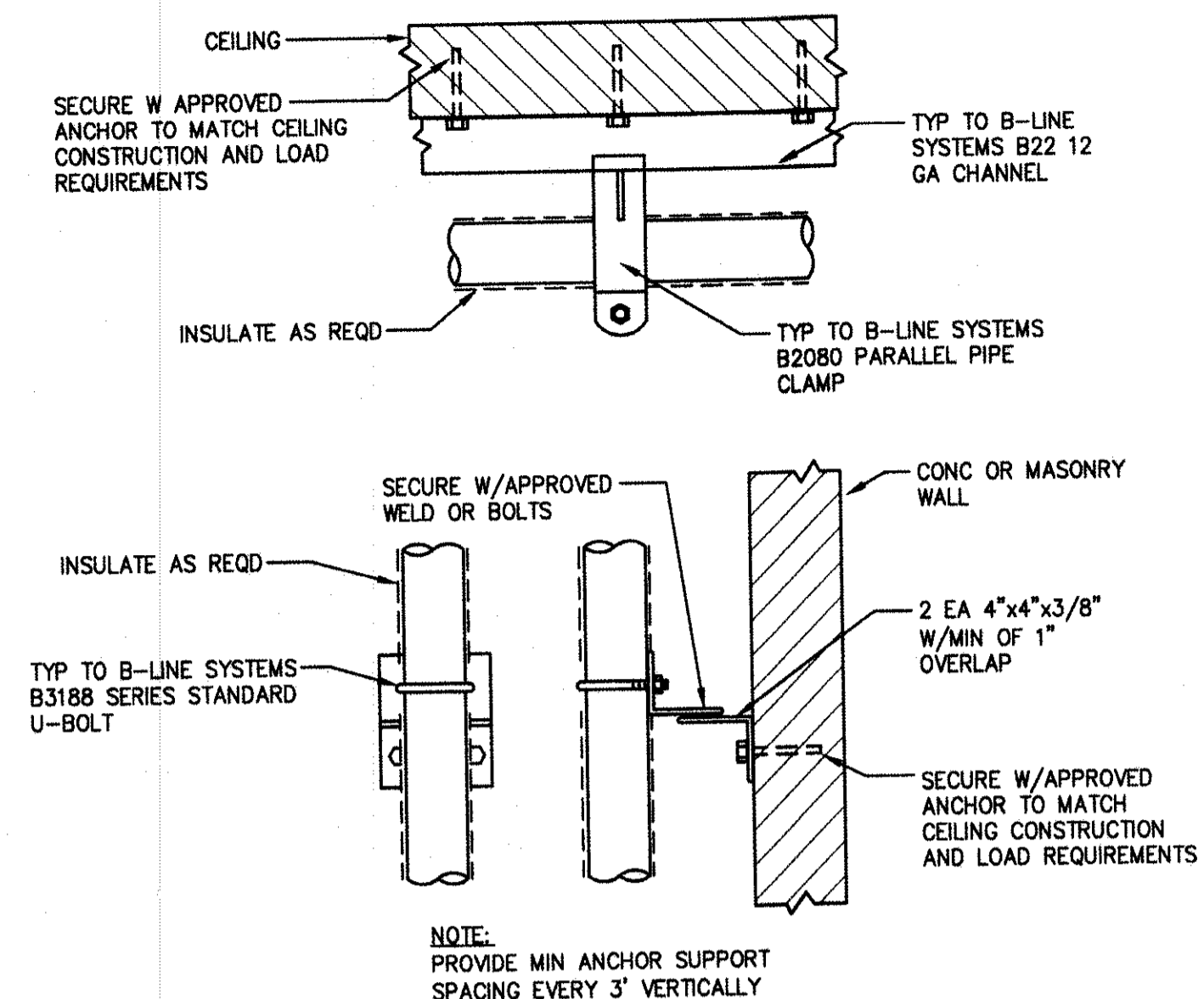
WALL MOUNTED URINAL DETAIL
N.T.S.

NOTES:
1. PROVIDE CONCEALED OR EXPOSED FLUSHVALVE AS LISTED ON THE PLUMBING FIXTURE SCHEDULE AND NOTED ON THE PROJECT DRAWINGS.
2. DIMENSIONS SHOWN ARE APPROXIMATE. INSTALL FIXTURE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, THE ARCHITECTURAL DRAWINGS, AND ALL APPLICABLE CODES AND STANDARDS.



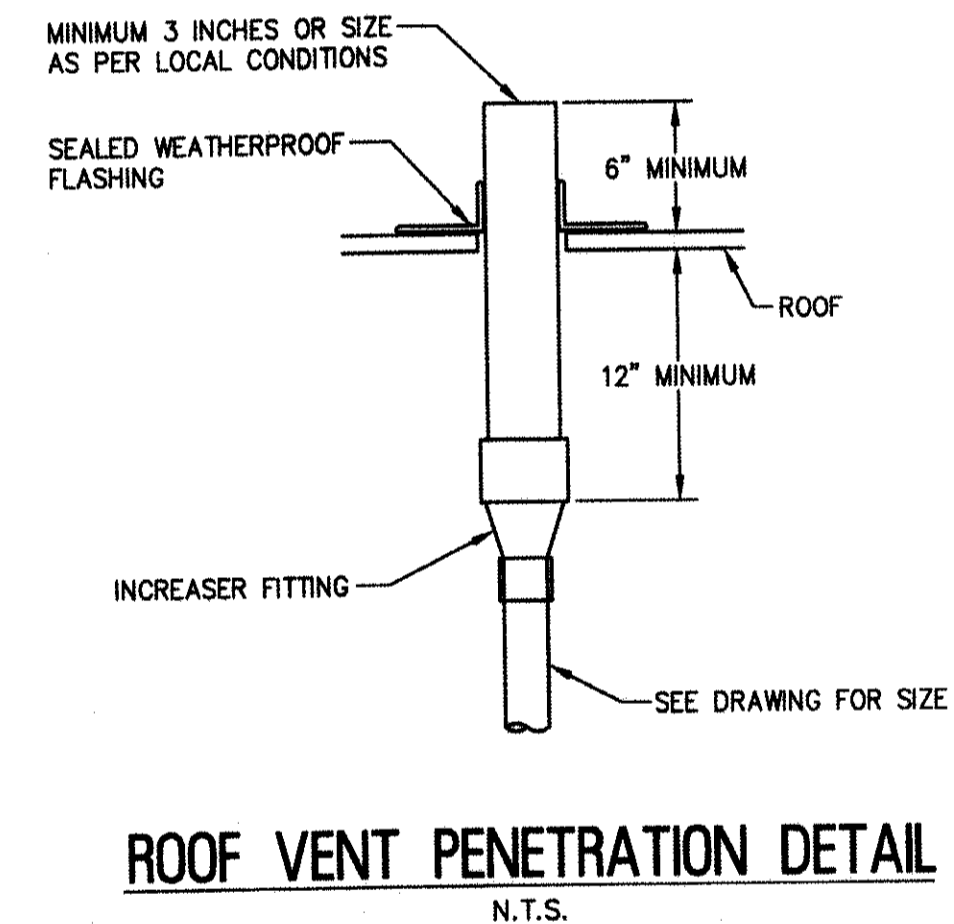
ON-THE-FLOOR WATER CLOSET
N.T.S.

NOTES:
1. DIMENSIONS SHOWN ARE APPROXIMATE. INSTALL WATER CLOSET IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, THE ARCHITECTURAL DRAWINGS, AND ALL APPLICABLE CODES AND STANDARDS.

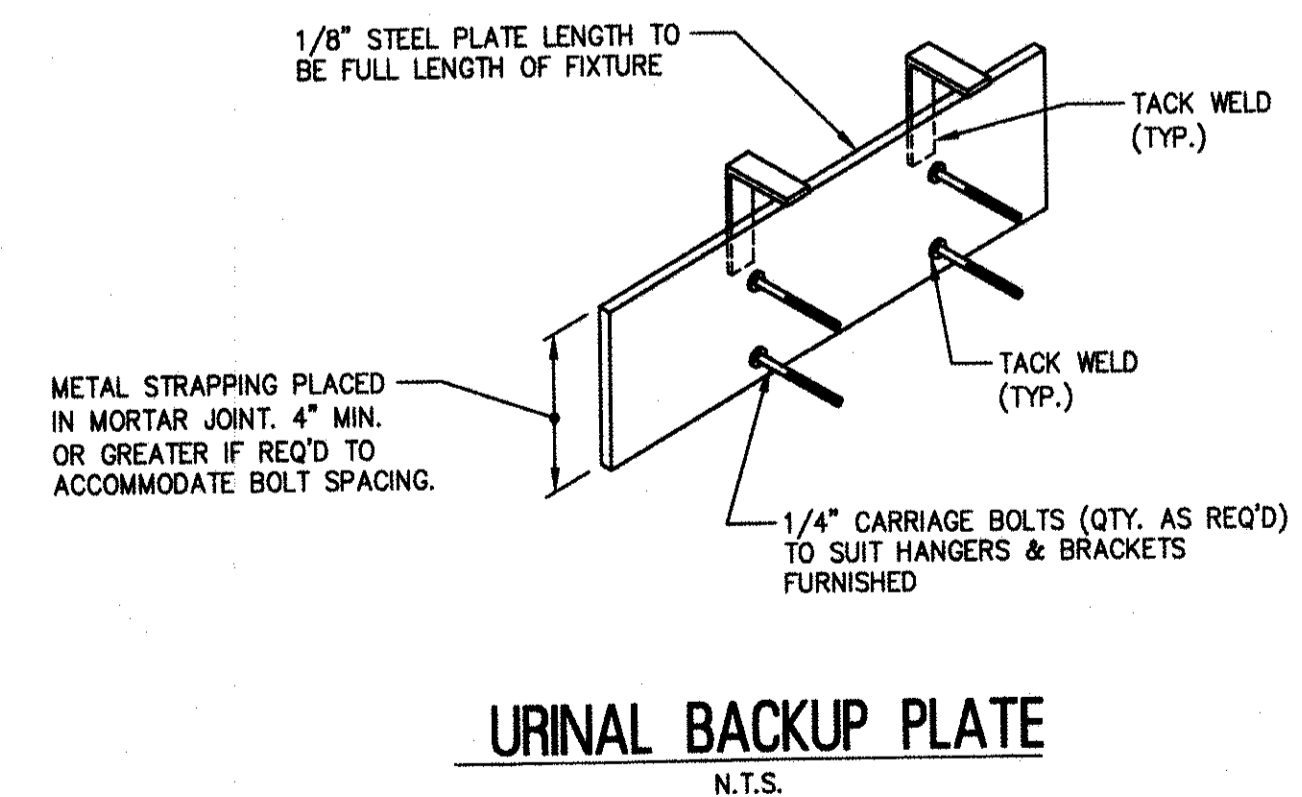


WALL AND CEILING CONDUIT AND PIPE BRACKET SUPPORTS
N.T.S.

NOTE: PROVIDE MIN ANCHOR SUPPORT SPACING EVERY 3' VERTICALLY



ROOF VENT PENETRATION DETAIL
N.T.S.



URINAL BACKUP PLATE
N.T.S.

RV & W
REMINGTON, VERNICK & WALBERG ENGINEERS
4907 NEW JERSEY AVENUE
WILDWOOD CITY, N.J. 08260
(609) 522-5150, FAX (609) 522-5313
WEB SITE ADDRESS: WWW.RVE.COM
Certification of Authorization: 24 GA 28048700
ENGINEERING EXCELLENCE SINCE 1901

DATE: _____
EDWARD J. WALBERG
NJ PROFESSIONAL ENGINEER LIC. No. 37259
DATE: 08-22-17
CHRISTOPHER A. SAPONARO
NJ PROFESSIONAL ENGINEER LIC. No. 40059

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID

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

NO.	REVISION	DATE	BY	CHK

PLUMBING DETAILS
STONE HARBOR POLICE STATION
SINGLE STORY EXPANSION
CAPE MAY COUNTY
BOROUGH OF STONE HARBOR
NEW JERSEY

DATE: 8/20/17
SCALE: AS NOTED
SHEET NO.: P-5.1
05-10-U-072.1

ISSUED FOR BID
DATE: 08-28-2017

PLUMBING FIXTURE SCHEDULE

TAG	FIXTURE	DESCRIPTION	MANUF.	MODEL	MANUF.	ACCESSORY	MINIMUM CONNECTION SIZE (IN)				WATER SUPPLY FIXTURE UNITS (WSFU)	DRAINAGE FIXTURE UNITS (DFU)
							COLD	HOT	DRAIN	VENT		
BFP-1	BACKFLOW PREVENTER	REDUCED PRESSURE ZONE ASSEMBLY	WATTS	LF909	WATTS	QT, S	2 1/2	N/A	N/A	N/A	N/A	N/A
COG-1	CLEANOUT	OUTDOOR, CLEANOUT ON GRADE	ZURN	Z1474	ZURN	G-VP	N/A	N/A	N/A	N/A	N/A	N/A
ET-1	EXPANSION TANK	DIAPHRAGM TYPE EXPANSION TANK	AMTROL	ST-12C	AMTROL	SERVICE CHECK VALVE	3/4	N/A	N/A	N/A	N/A	N/A
FCO-1	CLEANOUT	HEAVY DUTY ADJUSTABLE FLOOR CLEANOUT	ZURN	Z1400	ZURN	ZN, VP	N/A	N/A	N/A	N/A	N/A	N/A
FD-1	FLOOR DRAIN	SQUARE CAST IRON FLOOR DRAIN	WADE	1103G5	WADE	VANDAL PROOF SCREWS, DEEP SEAL TRAP	N/A	N/A	3	2	N/A	0.0
FD-2	FLOOR DRAIN	PRISON CELL FLOOR DRAIN	WADE	1843-PD	WADE	SECURITY SCREWS, GALVANIZED PARTS, DEEP SEAL TRAP	N/A	N/A	3	2	N/A	4.0
FD-3	FLOOR DRAIN	HEAVY DUTY SQUARE FLOOR DRAIN	WADE	2143	WADE	DEEP SEAL TRAP, NICKEL BRONZE ADJUSTABLE STRAINER, VANDAL PROOF GRATE, SECURITY SCREWS, SEDIMENT BUCKET	N/A	N/A	3	2	N/A	4.0
HB-1	HOSE BIBB	NO-KINK COPPER ALLOY BRONZE HOSE BIBB	NIBCO	HOSE BIBB	WATTS	SERIES B VACUUM BREAKER	3/4	N/A	N/A	N/A	2.5	N/A
HB-2	HOSE BIBB	ENCASED ANTI SIPHON AUTO DRAINING CERAMIC DISC WALL HYDRANT	ZURN	Z1330	ZURN	POLISHED FACE, INLET ELBOW	3/4	N/A	N/A	N/A	2.5	N/A
HWC-1	ADA WATER CLOSET	ELONGATED 1.6 GPF FLOOR MOUNTED ADA COMPLIANT WATER CLOSET W/AUTO EXPOSED FLUSH VALVE	ZURN ONE SYSTEM	Z5665.194.02.03.00	ZURN	HARWIRED AUTOMATIC EXPOSED FLUSH VALVE, POWER INVERTER KIT, TOILET SEAT, CLOSET BOLT/WAX RING	1	N/A	3	2	8.0	6.0
LAV-1	LAVATORY SINK	WALL HUNG LAVATORY W/ MANUAL GOOSENECK FAUCET	ZURN ONE SYSTEM	Z5314.076.3.01.01.8	ZURN	FAUCET, THERMOSTATIC MIXING VALVE, TRAP W/ ADA WRAP, SUPPLY KIT	1/2	1/2	1 1/2	1 1/2	1.0	1.0
MSB-1	MOP SERVICE BASIN	PRECAST TERRAZZO W/8" DROP FRONT	FIAT	TSB-3000	FIAT	830-AA, 832-AA, & 889-CC	1/2	1/2	3	1 1/2	3.0	5.0
MY-1	MIXING VALVE	THERMOSTATIC POINT OF USE MIXING VALVE	LEONARD	MODEL 270-LF	N/A	N/A	1/2	1/2	N/A	N/A	N/A	N/A
MY-2	MIXING VALVE	EMERGENCY FIXTURE THERMOSTATIC MIXING VALVE	BRADLEY	S19-2000	BRADLEY	N/A	1/2	1/2	N/A	N/A	N/A	N/A
RD-1	ROOF DRAIN	CAST IRON ADJUSTABLE ROOF DRAIN	WADE	3000AE	WADE	ROUGH BRONZE DOME, VANDAL PROOF, SUMP RECEIVER, DECK CLAMP & MOUNTING ACCESSORIES	N/A	N/A	LINE	N/A	N/A	N/A
RD-2	ROOF DRAIN	CAST IRON ADJUSTABLE OVERFLOW ROOF DRAIN	WADE	3000AE-SD	WADE	ADJUSTABLE STANDPIPE, ROUGH BRONZE DOME, VANDAL PROOF, DECK CLAMP & MOUNTING ACCESSORIES	N/A	N/A	LINE	N/A	N/A	N/A
SD-1	SHOWER DRAIN	CAST IRON SHOWER DRAIN	ZURN	FD2254-RS	ZURN	PB	N/A	N/A	2	1 1/2	N/A	2.0
S-1	SINK	STAINLESS STEEL TOP MOUNT SINK	ELKAY	LR2219	ELKAY	TYPE "A" DRILLING, LK02443 FAUCET, DRAIN W/ STRAINER, MIXING VALVE	1/2	1/2	3	1 1/2	N/A	5.0
SH-1	SHOWER	INDIVIDUAL FLUSH MOUNTED WALL SHOWER	BRADLEY	MS-11	BRADLEY	TW, SF, RSD, ST. (SEE DWGS FOR DIMENSIONS, COORD. W/ ARCH), FLAT MODEL WITH-5007 FLOOR, PROVIDE SD-1 SHOWER DRAIN.	1/2	1/2	2	1 1/2	3.0	2.0
SSH-1	SAFETY SHOWER	STAINLESS STEEL BARRIER FREE COMBINATION SAFETY SHOWER/FACEWASH	BRADLEY	S193148FSS	BRADLEY	BARRIER FREE, STAINLESS STEEL CONSTRUCTION, ID SIGN, S19-2100FZS THERMOSTATIC MIXING VALVE	1	N/A	N/A	N/A	N/A	N/A
UR-1	URINAL	1.0 GPF WALL HUNG URINAL W/ AUTOMATIC FLUSH VALVE	ZURN ONE SYSTEM	Z5798.235.01	ZURN	HARD-WIRED FLUSH VALVE, POWER INVERTER KIT, FLANGE AND STRAINER, MOUNTING BRACKET/CARRIER	3/4	N/A	2	2	5.0	5.0
WCO-1	WALL CLEAN OUT	WALL CLEAN OUT TEE AND COVER	ZURN	Z1441	ZURN	ZB-VP	N/A	N/A	LINE	N/A	N/A	N/A
WHY-1	WALL HYDRANT	BOX TYPE NON-FREEZE WALL HYDRANT W/VACUUM BREAKER	ZURN	Z1300	ZURN	CL, PB, RK. (SEE DWGS. FOR WALL THICKNESS), EXTRA OPERATING KEY	3/4	N/A	N/A	N/A	2.5	N/A
WHA-1	WATER HAMMER ARRESTOR	INLINE WATER HAMMER ARRESTOR	WILKINS/ZURN	1250X-B	N/A	NOTE 3	3/4	N/A	N/A	N/A	N/A	N/A
WHA-2	WATER HAMMER ARRESTOR	INLINE WATER HAMMER ARRESTOR	WILKINS/ZURN	1250X-A	N/A	NOTE 3	3/4	N/A	N/A	N/A	N/A	N/A

- NOTES
- COLOR/FINISH TO BE AS APPROVED BY THE ARCHITECT/OWNER.
 - PROVIDE ALL ACCESSORIES REQUIRED TO OPERATE AND INSTALL FIXTURES. INSTALL FIXTURES IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND ALL APPLICABLE CODES. COORDINATE FIXTURE DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
 - PROVIDE ACCESS PANELS FOR WATER HAMMER ARRESTORS AS RECOMMENDED BY MANUFACTURER.
 - PROVIDE MIXING VALVES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. LOCATE IN ACCESSIBLE LOCATION. PROVIDE ACCESS PANEL AS REQUIRED.

HOT WATER RECIRCULATION PUMP SCHEDULE

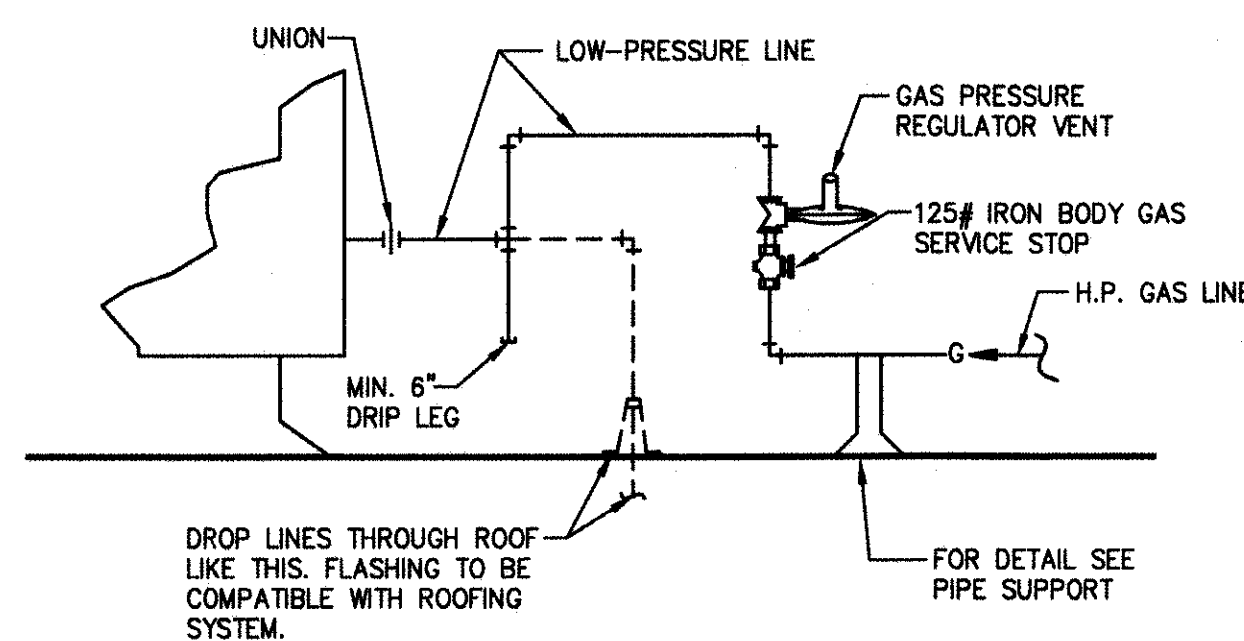
TAG	SERVICE	TYPE	FLUID TYPE	FLOW (gpm)	TDH (ft)	MOTOR WATTS	MOTOR RPM	ELECTRICAL (V / Hz / ph)	BASIS OF DESIGN MFR.	MODEL	DESCRIPTION	NOTES
P-1	DOMESTIC HOT WATER RECIRCULATION SYSTEM	CIRCULATOR	WATER	5	15	125	2950 (speed 3)	115/60/1	BELL & GOSSETT	NBF-25	BRONZE BODY, LEAD FREE, MAINTENANCE FREE CIRCULATOR	1

NOTES: 1. PROVIDE WITH MANUFACTURER'S AQUASTAT & AUTOMATIC TIME CONTROLLER.

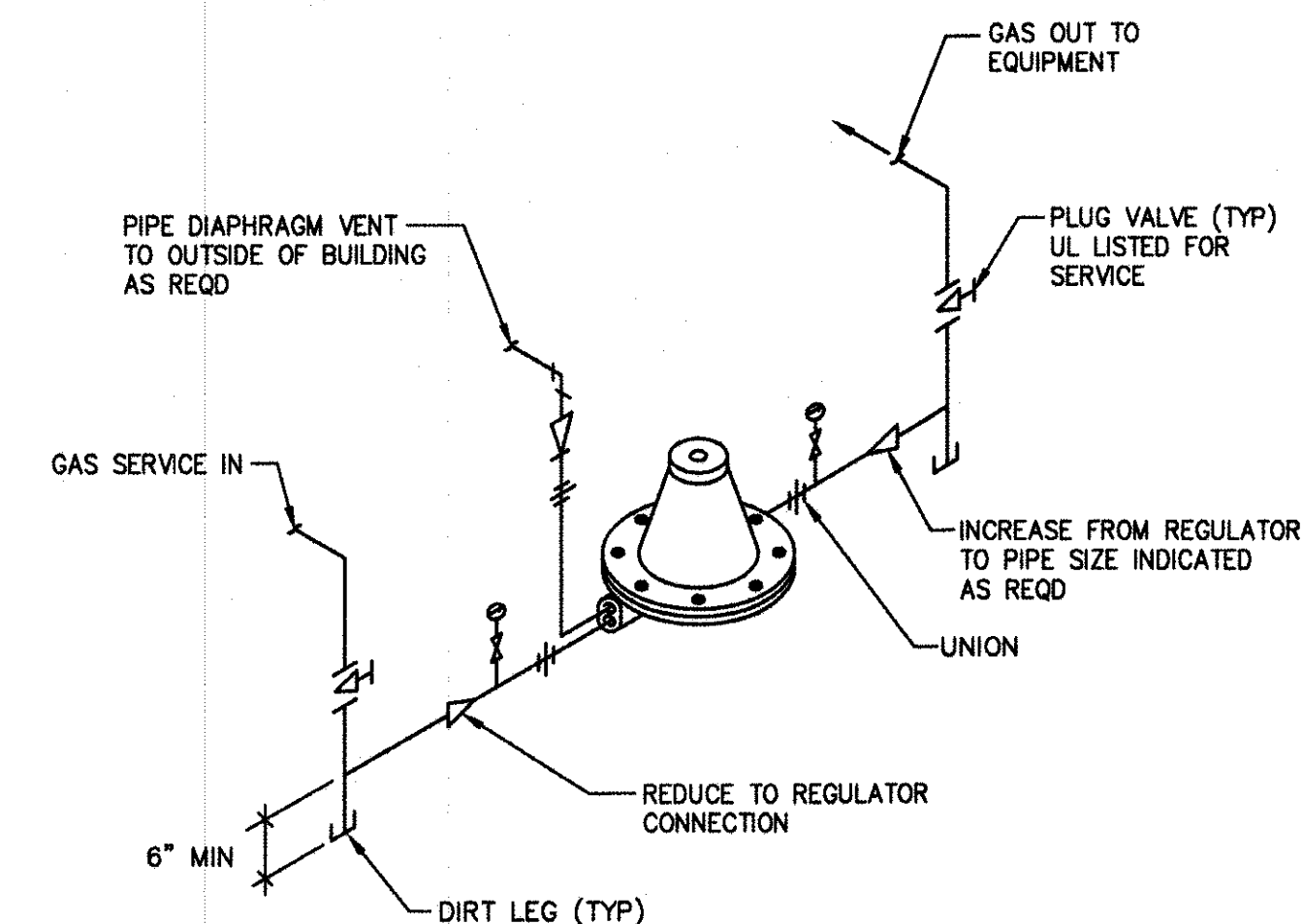
GAS HOT WATER HEATER SCHEDULE

TAG	MANUF.	MODEL	STORAGE CAPACITY (gallons)	GAS INPUT (MBH)	THERMAL EFFICIENCY	RECOVERY @ 100 F (gal/hr)	FIRST HOUR RATING	VENT SIZE (in)	COLD WATER INLET (in.)	HOT WATER OUTLET (in.)	NOTES
HWH-1	LOCHINVAR	SNA286-125	120	286	86%	332	428	4	2.0	2.0	1

NOTES: 1. PROVIDE WITH LOW-WATER CUT-OFF, INTEGRATED CONTROL WITH LCD DISPLAY, TEMPERATURE/PRESSURE RELIEF VALVES, ALARM CONTACTS, CONDENSATE NEUTRALIZATION KIT, MANUAL RESET HIGH LIMIT, POWER DIRECT VENT SYSTEM, AND ALL OTHER ACCESSORIES REQUIRED FOR INSTALLATION.
2. PROVIDE ASME RATED TANK WITH HANDHOLE.
3. PROVIDE WITH GLASS LINED INSULATED STORAGE TANK.



ROOF TOP GAS PIPING SUPPORT AT EQUIPMENT CONNECTION
N.T.S.



GAS PRESSURE REDUCING STATION
N.T.S.



REMINGTON, VERNICK & WALBERG ENGINEERS

4907 NEW JERSEY AVENUE
WILDWOOD CITY, N.J. 08260
(609) 522-5150, FAX (609) 522-5313
WEB SITE ADDRESS: WWW.RVVE.COM
Certification of Authority: 24 CA 2004870
-ENGINEERING EXCELLENCE SINCE 1901-

DATE: 08-22-17
EDWARD J. WALBERG
NJ PROFESSIONAL ENGINEER LIC. No. 37259

DATE: 08-22-17
CHRISTOPHER A. SAPONARO
NJ PROFESSIONAL ENGINEER LIC. No. 40059

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.

ALL DOCUMENTS PREPARED BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES 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 EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY REMINGTON & VERNICK ENGINEERS AND AFFILIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO REMINGTON & VERNICK ENGINEERS AND AFFILIATES. OWNER SHALL INDEMNIFY AND HOLD HARMLESS REMINGTON & VERNICK ENGINEERS AND AFFILIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

NO.	REVISION	DATE	BY

PLUMBING SCHEDULES
STONE HARBOR POLICE STATION
SINGLE STORY EXPANSION
 BOROUGH OF STONE HARBOR
 CAPE MAY COUNTY
 NEW JERSEY

DRAWN BY: B.L.Z.	DESIGN BY: T.K.	CHECKED BY: [Signature]	SCALE: AS NOTED
DATE: 8/2017	JOB No.: 05-10-U-072.1		SHEET No.: P-6.1

ISSUED FOR BID
DATE: 08-26-2017