



DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTER ALTOONA, PENNSYLVANIA PROJECT NO. 503-13-120



PROJECT CONTACT DIRECTORY

JAMES E. VAN ZANDT MEDICAL CENTER

CONTRACTING OFFICER
MICHAEL KOONTZ

CONTRACTING OFFICER'S REPRESENTATIVE (COR)
PAUL WEIMER

MILLER-REMICK CORPORATION

ENGINEER OF RECORD
ANTHONY D. PACARO JR. P.E.



Department of Veterans Affairs


<u>SHEET NO.</u>	<u>TITLE</u>
<u>GENERAL</u>	
GI-001	COVER SHEET AND DRAWING INDEX
GC-101	GENERAL - SITE CONSTRUCTION STAGING AREA
<u>CIVIL</u>	
C-101	BASEMENT SEEPAGE REPAIR, ROOF DRAIN REPLACEMENT
C-102	BASEMENT SEEPAGE REPAIR, ROOF DRAIN REPLACEMENT-DETAILS
<u>ARCHITECTURAL</u>	
A-001	ARCHITECTURAL COVERSHEET
AD-101	ARCHITECTURAL FLOOR PLANS - DEMOLITION
AD-201	ARCHITECTURAL - BUILDING ELEVATIONS - DEMOLITION
A-101	ARCHITECTURAL FLOOR PLANS - NEW WORK
A-201	ARCHITECTURAL - BUILDING ELEVATIONS - NEW WORK
A-401	ARCHITECTURAL - CONTROL ROOM PARTIAL PLANS
A-402	ARCHITECTURAL CONTROL ROOM - SECTIONS
A-501	ARCHITECTURAL - DETAILS
<u>STRUCTURAL</u>	
S-001	STRUCTURAL - NOTES AND ABBREVIATIONS
S-101	STRUCTURAL - WALKWAY DEMOLITION PLAN AND ELEVATIONS
S-101	STRUCTURAL - WALKWAY FRAMING PLAN AND ELEVATIONS - NEW WORK
S-301	STRUCTURAL - SECTIONS AND DETAILS

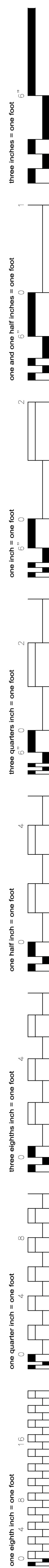
SHEET NO.	TITLE
<u>MECHANICAL</u>	
M-001	SYMBOLS, LEGENDS AND ABBREVIATIONS
MD-101	MECHANICAL DEMOLITION BOILER PLANT-BASEMENT
MD-102	MECHANICAL DEMOLITION BOILER PLANT-FIRST FLOOR
MD-103	MECHANICAL DEMOLITION BOILER PLANT-ROOF PLAN
MQ-101	MECHANICAL EQUIPMENT ARRANGEMENT BOILER PLANT-BASEMENT
MQ-102	MECHANICAL EQUIPMENT ARRANGEMENT-FIRST FLOOR LOWER PLAN
MQ-103	MECHANICAL EQUIPMENT ARRANGEMENT-FIRST FLOOR UPPER PLAN
MP-101	MECHANICAL (STEAM GENERATION) PIPING MODIFICATIONS-BASEMENT
MP-102	MECHANICAL (STEAM GENERATION) PIPING MODIFICATIONS-FIRST FLOOR LOWER PLAN
MP-103	MECHANICAL (STEAM GENERATION) PIPING MODIFICATIONS-FIRST FLOOR UPPER PLAN
MP-104	MECHANICAL (STEAM GENERATION) BOILER PLANT-ROOF PLAN
MP-301	MECHANICAL - NEW WORK PIPING ELEVATIONS AND SECTIONS
MP-302	MECHANICAL - NEW WORK PIPING ELEVATIONS AND SECTIONS
MP-501	MECHANICAL (STEAM GENERATION) MISCELLANEOUS PIPING DETAILS
MP-502	MECHANICAL (STEAM GENERATION) MISCELLANEOUS PIPING DETAILS NO. 2
MP-503	MECHANICAL (STEAM GENERATION) MISCELLANEOUS PIPING DETAILS NO. 3
MP-504	MECHANICAL (STEAM GENERATION) PIPING MODIFICATIONS - STEAM HEADER ASSEMBLY DETAIL
MP-601	MECHANICAL (STEAM GENERATION) STEAM GENERATION SYSTEM FLOW DIAGRAM-FIRST FLOOR
MP-602	MECHANICAL (STEAM GENERATION) STEAM GENERATION SYSTEM FLOW DIAGRAM-BASEMENT
MP-603	MECHANICAL (STEAM GENERATION) NATURAL GAS AND NO. 2 FUEL OIL FLOW DIAGRAM - DEMOLITION
MP-604	MECHANICAL (STEAM GENERATION) NATURAL GAS AND NO. 2 FUEL OIL FLOW DIAGRAM - MODIFICATIONS
MP-605	MECHANICAL (STEAM GENERATION) TEMPORARY STEAM BOILER SYSTEM PHASE 1 (RENTAL & TEMPORARY)
MP-606	MECHANICAL (STEAM GENERATION) SCHEDULES
MP-607	MECHANICAL (STEAM GENERATION) SCHEDULES
MP-608	MECHANICAL (STEAM GENERATION) SCHEDULES
M-701	MECHANICAL CONTROLS - MISCELLANEOUS

<u>SHEET NO.</u>	<u>TITLE</u>
<u>ELECTRICAL</u>	
E-001	ELECTRICAL SYMBOLS AND ABBREVIATIONS
E-002	ELECTRICAL GENERAL NOTES
ED-101	ELECTRICAL POWER AND SYSTEMS DEMOLITION-BASEMENT PLAN
ED-102	ELECTRICAL POWER AND SYSTEMS DEMOLITION-FIRST FLOOR PLAN
ED-103	ELECTRICAL LIGHTING DEMOLITION-BASEMENT PLAN
ED-104	ELECTRICAL LIGHTING DEMOLITION-FIRST FLOOR PLAN
EP-101	ELECTRICAL POWER AND SYSTEMS NEW WORK-BASEMENT PLAN
EP-102	ELECTRICAL POWER AND SYSTEMS NEW WORK-FIRST FLOOR PLAN
EP-103	ELECTRICAL POWER AND SYSTEMS NEW WORK- MEZZANINE AND ROOF PLAN
EL-101	ELECTRICAL LIGHTING NEW WORK-BASEMENT PLAN
EL-102	ELECTRICAL LIGHTING NEW WORK-FIRST FLOOR PLAN
EL-103	ELECTRICAL LIGHTING NEW WORK-MEZZANINE PLAN
E-501	ELECTRICAL DETAILS
E-502	ELECTRICAL DETAILS
ED-601	ELECTRICAL DEMOLITION SINGLE LINE DIAGRAM
E-601	ELECTRICAL NEW WORK SINGLE LINE DIAGRAM
E-602	ELECTRICAL SCHEDULES
<u>PLUMBING</u>	
P-001	PLUMBING SYMBOLS, ABBREVIATIONS AND GENERAL NOTES
P-101	PLUMBING - PLANS
P-401	PLUMBING - DETAILS AND SCHEDULES
P-601	SOFTENED WATER FLOW DIAGRAM

Chief Information Officer	Fire Chief	Safety / Occupational Health Manager	Mental Health Program Manager	FES Project Section Supervisor	FES M+O Supervisor	General Utilities Foreman	Project Manager
	Police Chief	Patient Safety Manager	Infection Control Coordinator	Energy Manager	Patient Care Facilities Foreman	General Properties Foreman	A+MM Chief / Contracting Officer

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Drawing Title COVER SHEET AND DRAWING INDEX		Project Title ALTOONA BOILER REPLACEMENT		Project Number 503-13-120		Office of Construction and Facilities Management
Approved: Project Director		Location VA MEDICAL CENTER ALTOONA, PA		Building Number BLDG. 03		
				Drawing Number <div style="text-align: center;"> GI-001 Dwg. 1 of 63 </div>		
		Date 06-03-2014	Checked QE	Drawn GGP	 Department of Veterans Affairs	



1 SITE PLAN - TEMPORARY BOILER AND EQUIPMENT TRAILERS
SCALE: 1" = 20'-0"

2 TEMPORARY PIPE SUPPORTS AND PIPING

**Department of
Veterans Affairs**

[illegible]

Miller-Remick LLC
 M.E.P. & Structural Engineering
 A Service Disabled Veteran Owned
 Small Business

1010 KINGS HIGHWAY SOUTH
 CHERRY HILL, NEW JERSEY 08034
 PHONE: (856)429-4000
 FAX: (856)429-5002



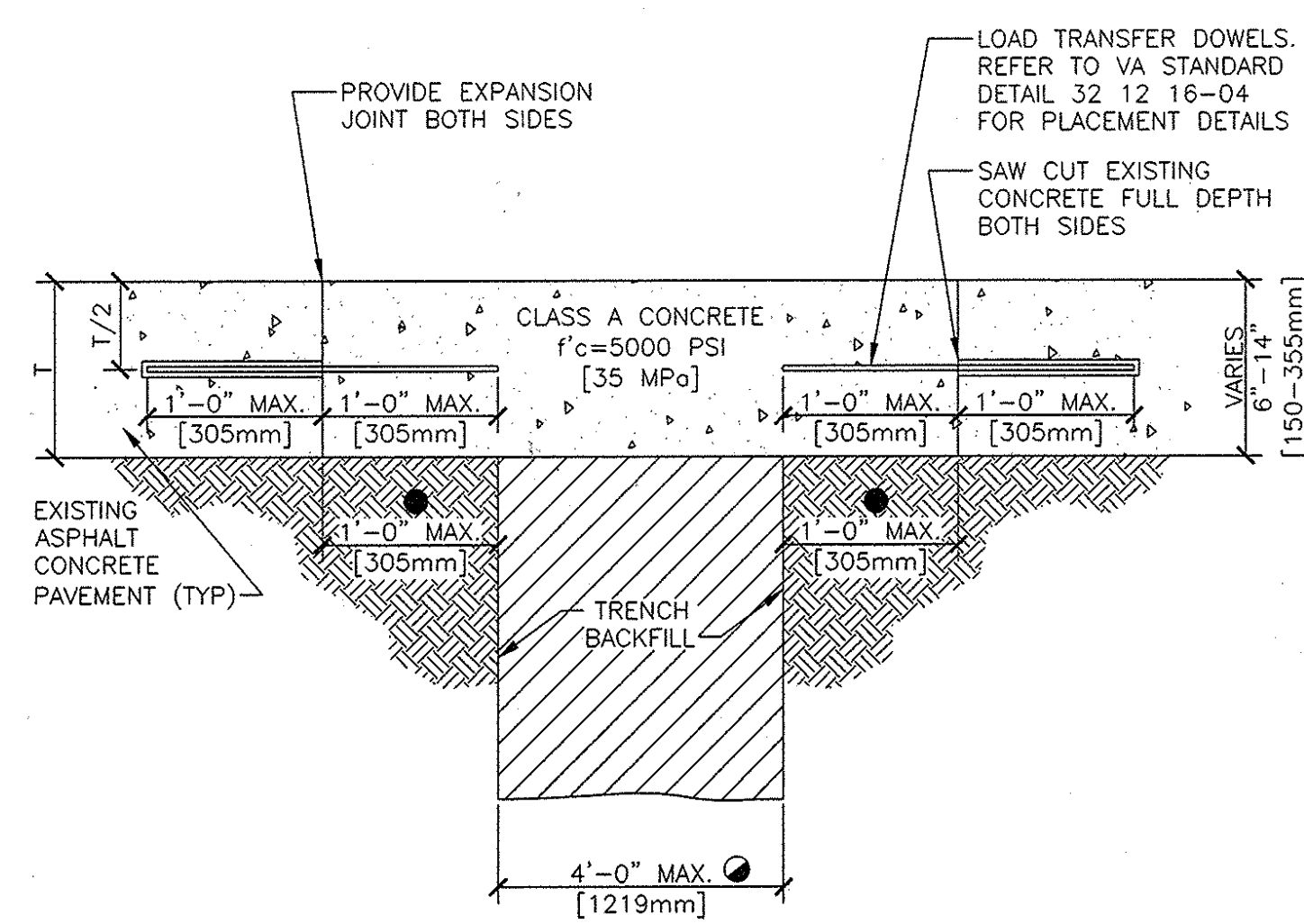
Drawing Title

**GENERAL - SITE CONSTRUCTION
STAGING AREA**

Approved: Project Director

Project Title		
ALTOONA BOILER REPLACEMENT		
Location		
VA MEDICAL CENTER ALTOONA, PA		
Date	Checked	Drawn
06-03-2014	JJM	JJM

Project Number	503-13-120
Building Number	BLDG. 03
Drawing Number	GC-101
	Dwg. 2 of 63

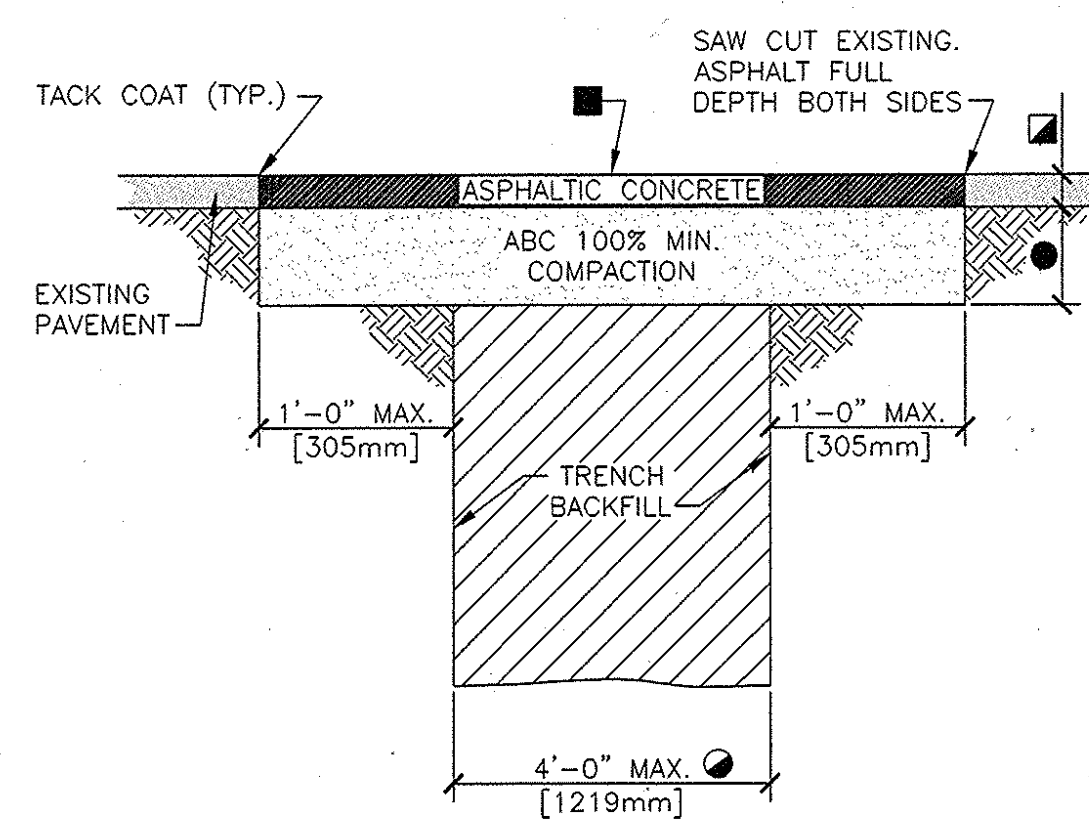


- REFER TO NOTE 13 ON VA STANDARD DETAIL 32 12 16-04 "UTILITY TRENCH PAVEMENT PATCH NOTES".

REFER TO VA STANDARD DETAIL 32 12 16-04 "UTILITY TRENCH PAVEMENT PATCH NOTES" FOR ADDITIONAL INFORMATION.

TYPE 3 UTILITY TRENCH PATCH

NTS

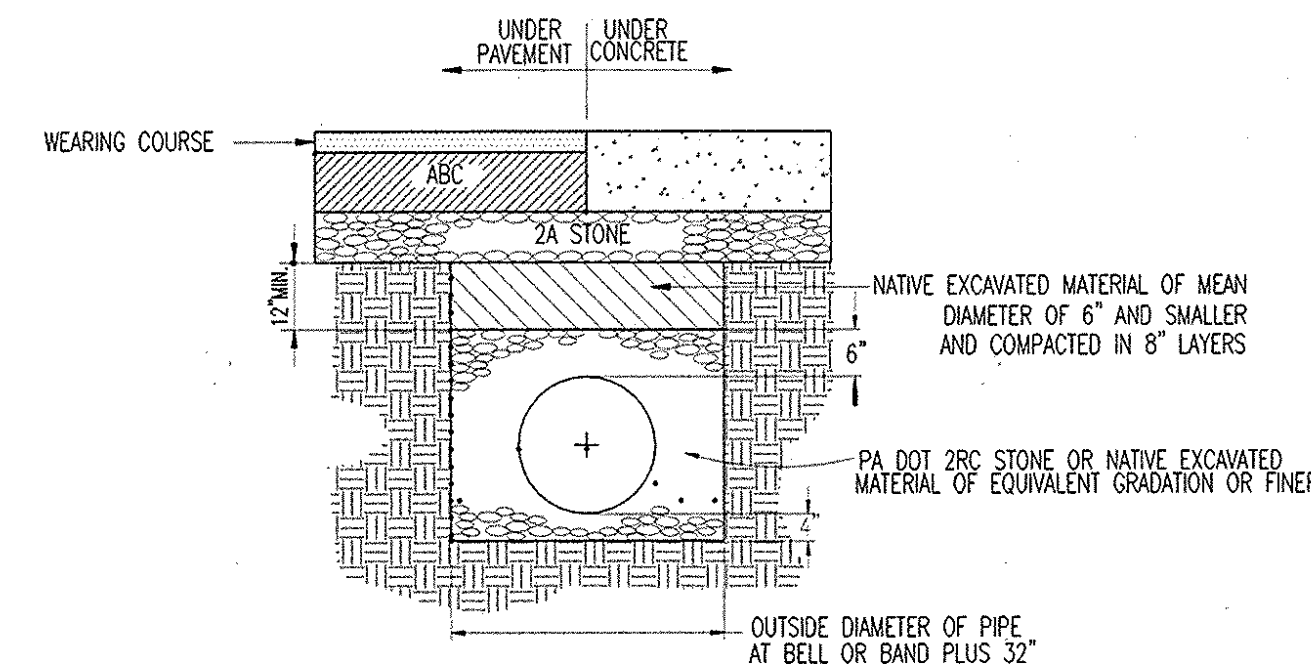


- FOR TRENCH WIDTHS EXCEEDING 4' [1219mm] REFER TO VA STANDARD DETAIL 32 12 16-02 "TYPE 2 UTILITY TRENCH PATCH". FOR TRENCH WHERE PORTLAND CEMENT CONCRETE (PCC) PAVEMENT EXISTS, REFER TO 32 12 16-03 "TYPE 3 UTILITY TRENCH PATCH".
- 2" [50mm] MINIMUM OR THICKNESS OF EXISTING PAVEMENT WHICHEVER IS GREATER.
- BITUMINOUS SURFACE TREATMENT (CHIPSEAL) REQUIRED ONLY FOR LONGITUDINAL TRENCHES WITH WIDTHS GREATER THAN 6' [1829mm].
- 4" [100mm] MINIMUM ABC OR THICKNESS OF EXISTING GRANULAR BASE COURSE MATERIALS (E.G. ABC & SELECT MATERIAL) WHICHEVER IS GREATER.

REFER TO VA STANDARD DETAIL 32 12 16-04 "UTILITY TRENCH PAVEMENT PATCH NOTES" FOR ADDITIONAL INFORMATION.

TYPE 1 UTILITY TRENCH PATCH

NTS



ROOF DRAIN INSTALLATION

NTS

GENERAL NOTES

1. MATERIAL AND COMPACTION REQUIREMENTS FOR PIPE BEDDING/SHADING SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS FOR THE APPLICABLE UTILITY PIPE.
2. TRENCH BACKFILL SHALL COMMENCE 1 FOOT [305mm] ABOVE THE TOP OF PIPE AND SHALL BE PER SECTION 31 20 00.
3. BACKFILL COMPACTION REQUIREMENTS SHALL BE PER SECTION 31 20 00.
4. THE 1 FOOT [305mm] TRENCH "SHOULDER" AREAS SHALL BE DELETED FOR TYPE 2 TRENCHES.
5. ABC SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 31 20 00.
6. PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 03 30 00.
7. ASPHALTIC TACK MATERIAL SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 32 12 16.
8. ASPHALTIC CONCRETE SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 32 12 16 FOR THE TYPE SPECIFIED.
9. BITUMINOUS SURFACE TREATMENT (CHIP SEAL) SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 32 12 16 FOR THE TYPE SPECIFIED.
10. LOAD TRANSFER DOWELS FOR JOINTS TRANSVERSE TO THE ROADWAY CENTERLINE SHALL BE SMOOTH STEEL DOWELS IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 03 30 00. DOWELS SHALL BE SIZED AND SPACED AS FOLLOWS:

PCCP THICKNESS	DOWEL SIZE	DOWEL LENGTH	DOWEL SPACING
6" [150mm]	#5 [No. 16]	12" [305mm]	18" [455mm]
7" [180mm]	#6 [No. 19]	15" [380mm]	15" [380mm]
8" [180mm]	#8 [No. 19]	15" [380mm]	12" [305mm]
10" [180mm]	#10 [No. 19]	15" [380mm]	12" [305mm]
11. DEFORMED TIE BARS SHALL BE USED IN TRENCH PATCHES LONGITUDINAL TO THE ROADWAY CENTERLINE WHEN THE TRENCH LENGTH IS GREATER THAN 50 FEET [15240mm]. TIE BARS SHALL BE 24 INCHES [610mm] LONG. DEFORMED #4 [No. 13] BARS FOR PCCP LESS THAN 8 INCHES [205mm] THICK AND #5 [No. 16] BARS IF 8 INCHES [205mm] THICK OR MORE. TIE BARS SHALL BE PLACED 30 INCHES [760mm] CENTER-TO-CENTER.
12. HOLES SHALL BE DRILLED 1 FOOT [305mm] INTO THE EXISTING SLAB FOR TIE BARS AND 7 INCHES [180mm] FOR DOWELS. HOLES SHALL BE OF A DIAMETER SUFFICIENT TO ACCOMMODATE THE TIE BAR ANCHORAGE OR DOWEL CAP. TIE BARS SHALL BE ANCHORED WITH AN APPROVED HIGH VISCOSITY EPOXY.
13. IF THE CONCRETE SLAB REMAINING NEXT TO A LONGITUDINAL OR TRANSVERSE JOINT IS LESS THAN 6 FEET [1829mm] AT ITS NARROWEST WIDTH, REMOVE AND REPLACE THE EXISTING CONCRETE TO THE JOINT.

100% BID DOCUMENTS

CONSULTANTS: 			PENNTERRA ENGINEERING, INC. PROFESSIONAL ENGINEER 			ARCHITECT/ENGINEERS: 			Drawing Title BASEMENT SEEPAGE REPAIR-ROOF DRAIN REPLACEMENT			Project Title ALTOONA BOILER REPLACEMENT			Project Number 503-13-120			Office of Construction and Facilities Management 		
									Approved: Facilities Engineering Service Chief			Location: VA MEDICAL CENTER ALTOONA, PA			Building Number BLDG. 03					
									Approved: Medical Center Director			Date: 06-03-2014			Drawing Number C-102					
NO. DESCRIPTION DATE												Checked JRS			Dwg. 4 of 63					