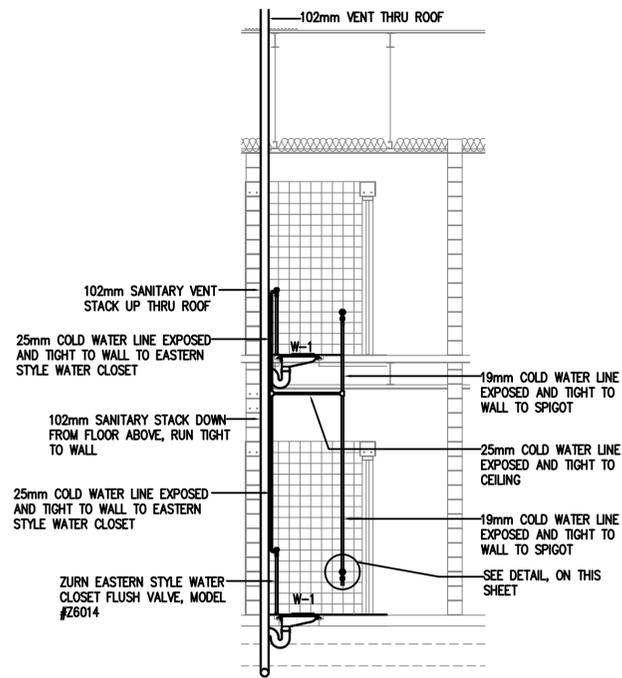
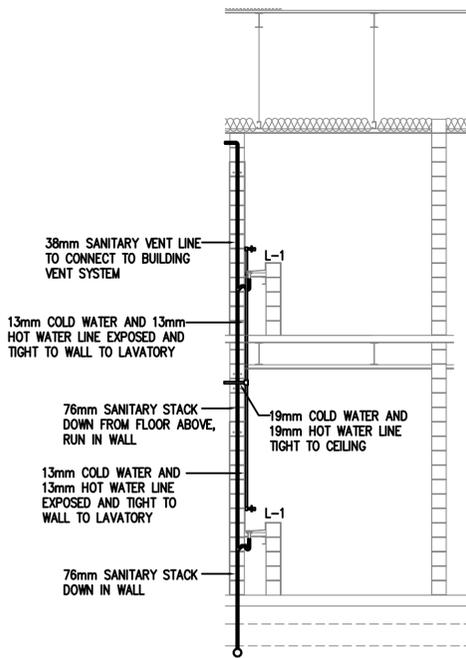


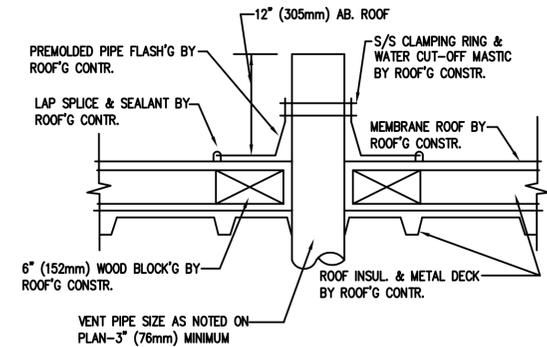
**TYPICAL SHOWER & LATRINE BUILDING
SANITARY & WATER INSTALLATION SCHEMATIC**
NO SCALE



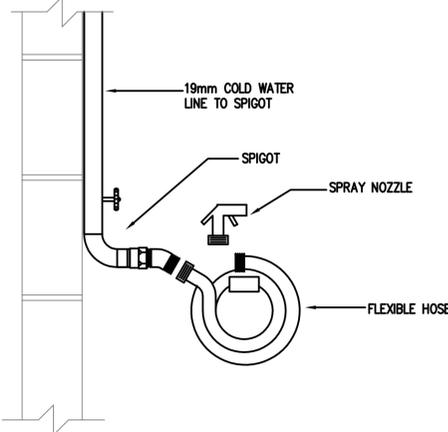
**TYPICAL EASTERN STYLE WATER CLOSET
SANITARY & WATER INSTALLATION SCHEMATIC**
NO SCALE



**TYPICAL LAVATORY SANITARY & WATER
INSTALLATION SCHEMATIC**
NO SCALE



TYPICAL DETAIL - VENT THRU ROOF
NO SCALE



TYPICAL DETAIL - SPIGOT, FLEXIBLE HOSE, AND SPRAY NOZZLE
NO SCALE



SYMBOL	DESCRIPTION	DATE	APR

DESIGNED BY:	DATE:	04-01-08
DWN BY:	SUBMITTED BY:	---
CHK BY:	FILE NO.:	-----

Baker
 MICHAEL BAKER, INC.
 11000
 Alameda
 Alameda, CA 94601
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US Army Corps
 of Engineers
 Transatlantic Programs
 Center

AFGHAN NATIONAL BORDER POLICE
 AFGHANISTAN NATIONAL
 BORDER POLICE UNIT FACILITY
 BORDER POLICE COMPANY
 PLUMBING DETAILS

SHEET
 REFERENCE
 NUMBER:
S-P1

PLUMBING LEGEND - SYMBOLS AND ABBREVIATIONS

	SANITARY SEWER PIPING	DEG. OR °	DEGREE	NO.	NUMBER
	VENT PIPING (V)	DIA. OR Ø	DIAMETER	OZ.	OUNCE
	COLD WATER PIPING (CW)	E.C.	ELECTRICAL CONTRACTOR	O.D.	OUTSIDE DIAMETER
	HOT WATER PIPING (HW)	F	FAHRENHEIT	%	PERCENT
	140° HOT WATER PIPING (HW)	GA.	GAGE OR GAUGE	PH. OR Ø	PHASE (ELECTRICAL)
	BALL VALVE	GAL.	GALLONS	P.C.	PLUMBING CONTRACTOR
	UNION	G.P.H.	GALLONS PER HOUR	LBS.	POUNDS
	WATER HAMMER ARRESTOR (WHA)	G.P.M.	GALLONS PER MINUTE	P.S.I.	POUNDS PER SQUARE INCH
	BACKFLOW PREVENTER	HD.	HEAD	P.S.I.G.	POUNDS PER SQUARE INCH GAGE
	CLEANOUT (CO.)	HP.	HORSEPOWER	PRESS.	PRESSURE
	THERMOMETER	HR.	HOURLY(S)	S.O.V.	SHUT-OFF VALVE
	PRESSURE GAUGE (PG)	I.D.	INSIDE DIAMETER	SPEC.	SPECIFICATION
	FLOOR DRAIN	STD.	STANDARD	TEMP.	TEMPERATURE
	ROOF PENETRATION	M.B.H.	1,000 B.T.U./HR.	TYP.	TYPICAL
		MIN.	MINIMUM	V.T.R.	VENT THROUGH ROOF
		N.C.	NORMALLY CLOSED	V.	VOLT
		N.O.	NORMALLY OPEN	VOL.	VOLUME
		N.T.S.	NOT TO SCALE	W.	WATT

FIXTURE LIST

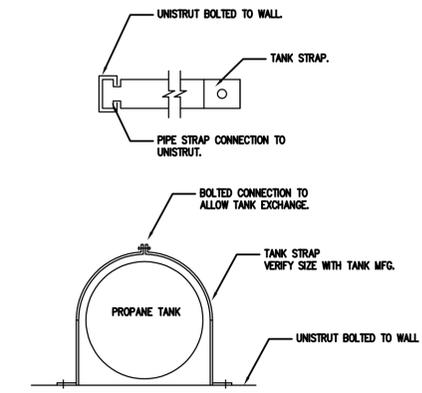
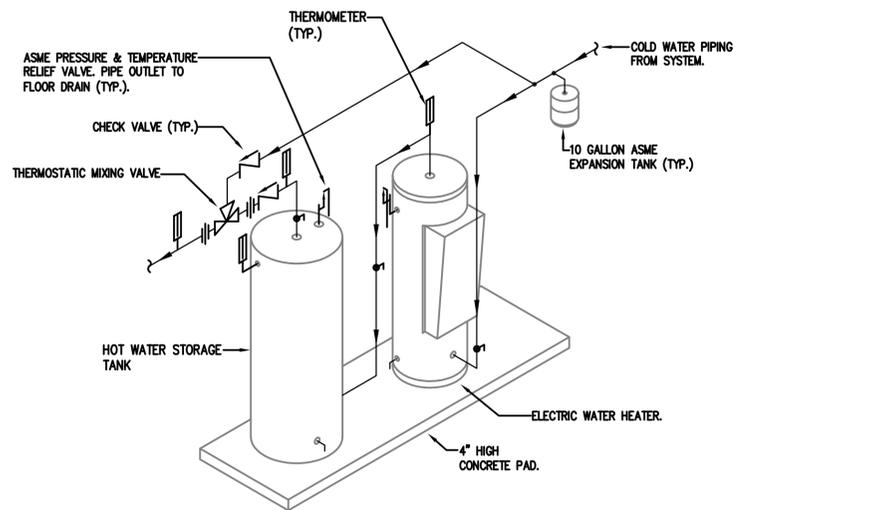
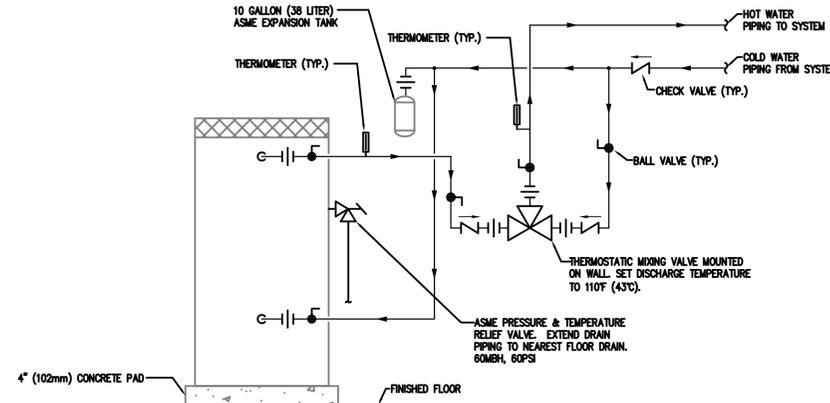
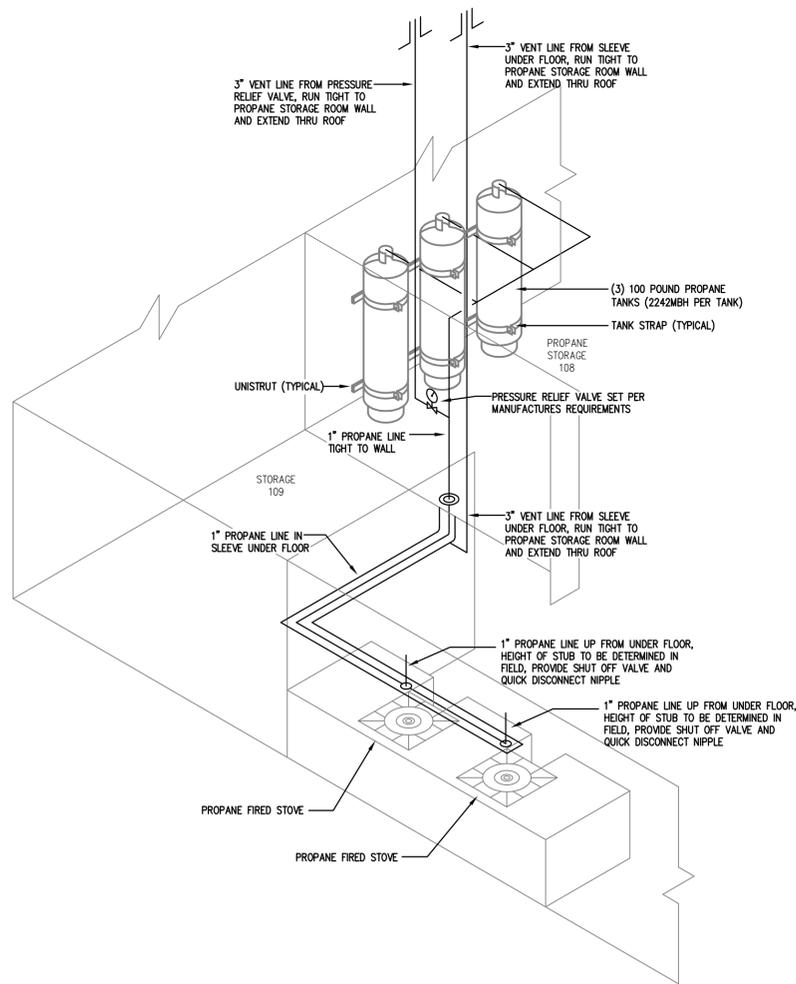
TYPE	ITEM	SOIL & WASTE	VENT	COLD WATER	HOT WATER	REMARKS	REMARKS 2
W-1	EASTERN STYLE WATER CLOSET	102mm	51mm	25mm	-----	FLUSH VALVE	LOW FLOW EFFICIENT TYPE
L-1	TROUGH FIXTURE	38mm	38mm	13mm	13mm	FABRICATED IN FIELD	LOW FLOW EFFICIENT TYPE
L-2	LAVATORY	38mm	38mm	13mm	13mm	WALL HUNG FIXTURE	LOW FLOW EFFICIENT TYPE
SH-1	SHOWER	FLOOR DRAIN	-----	13mm	13mm	PRIVATE SHOWER	LOW FLOW EFFICIENT TYPE
S-1	COUNTERTOP SINK	38mm	38mm	13mm	13mm	559mm x 635mm x 165mm STAINLESS STEEL SINK	LOW FLOW EFFICIENT TYPE
S-2	2-COMPARTMENT SINK	INDIRECT WASTE	-----	13mm	13mm	STAINLESS STEEL PREP SINK	LOW FLOW EFFICIENT TYPE
S-3	3-COMPARTMENT SINK	38mm	38mm	13mm	13mm	STAINLESS STEEL DISHWASHING SINK	LOW FLOW EFFICIENT TYPE
MB-1	MOP BASIN	76mm	51mm	19mm	19mm	-----	LOW FLOW EFFICIENT TYPE
UT-1	UTILITY TUB	76mm	51mm	19mm	19mm	STAINLESS STEEL WALL HUNG	LOW FLOW EFFICIENT TYPE
HWH-1	WATER HEATER	---	---	SEE DWG.	SEE DWG.	151 LITER ELECTRIC WATER HEATER, 380/3ø, 24KW	-----
EW-1	EYE WASH	76mm	38mm	13mm	-----	WALL HUNG FIXTURE	LOW FLOW EFFICIENT TYPE

GENERAL PLUMBING KITCHEN NOTES:

1. ALL ROUGH-INS AND FINAL PLUMBING CONNECTIONS SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE LATEST CODE REQUIREMENTS. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION AND COMPLIANCE WITH ALL APPLICABLE CODE REQUIREMENTS.
2. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL FAUCETS, VACUUM BREAKERS, CHECK VALVES, ETC. REQUIRED FOR ITEMS OF FOOD SERVICE EQUIPMENT THAT ARE NOT SUPPLIED AS PART OF THE EQUIPMENT, AND FOR PROVIDING FINAL CONNECTIONS TO SAME.
3. PLUMBING CONTRACTOR SHALL PROVIDE ALL FLOOR DRAINS, P-TRAPS, FLOOR SINKS, TRAPS, SHUT-OFF VALVES, SHOCK ABSORBERS, PIPING, GAUGES, FITTINGS, AND ANY ADDITIONAL PIPING AND/OR FITTINGS REQUIRED FOR EQUIPMENT INSTALLATION.

GENERAL PLUMBING NOTES:

1. ALL SANITARY PIPING SHALL BE BELOW FLOOR, AND ALL WATER, AND VENT PIPING SHALL BE TIGHT TO CEILING, UNLESS OTHERWISE NOTED.
2. PLUMBING CONTRACTOR SHALL COORDINATE PLUMBING WORK WITH THE WORK OF ALL OTHER TRADES. VERIFY THE LOCATIONS OF ALL UTILITIES AT THE SITE PRIOR TO THE START OF ANY PLUMBING WORK.
3. COORDINATE ALL ACCESS PANEL LOCATIONS WITH THE ARCHITECT AND GENERAL CONTRACTOR.
4. ALL SANITARY PIPING BELOW SLAB SHALL BE A MINIMUM OF 51mm, UNLESS OTHERWISE NOTED OR AS REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
5. ALL SANITARY BRANCH LINES SHALL BE SLOPED AT 6mm PER 305mm, AND ALL MAIN LINES SHALL BE SLOPED AT 3mm PER 305mm, UNLESS OTHERWISE NOTED OR AS REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
6. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH ALL UTILITY AUTHORITIES FOR INSTALLATION REQUIREMENTS, REGULATIONS, FEES, PERMITS, AND APPROVALS BEFORE THE START OF CONSTRUCTION.
7. THE PLUMBING CONTRACTOR SHALL ROUGH-IN AND CONNECT ALL EQUIPMENT REQUIRING WATER, WASTE, AND/OR VENT WHETHER OR NOT FURNISHED UNDER THIS CONTRACT. THE PLUMBING CONTRACTOR SHALL ALSO FURNISH AND INSTALL ALL NECESSARY PIPE, FITTINGS, VALVES, TRAPS, ETC., REQUIRED FOR A COMPLETE INSTALLATION, LEAVING SAME READY FOR SERVICE.



DATE	APR
SYMBOL	
DESCRIPTION	

DESIGNED BY: DATE: 04-01-08

SUBMITTED BY: ---

DWN BY: ---

CHK BY: ---

FILE NO: ---

Arside Business Park
15108
Moon Township, Pa. 15108
(412) 269-6300

Baker
MICHAEL BAKER CORP.

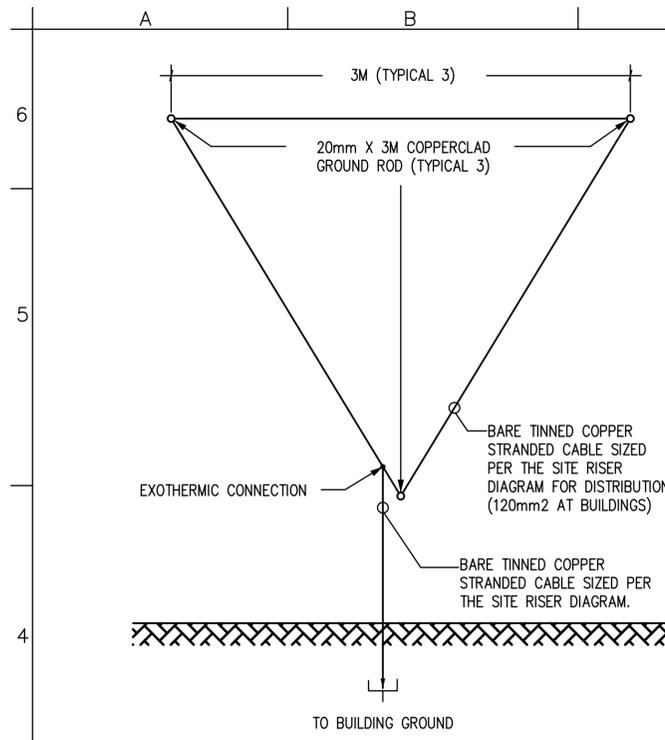
US Army Corps
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AFGHANISTAN NATIONAL
BORDER POLICE UNIT FACILITY
BORDER POLICE COMPANY

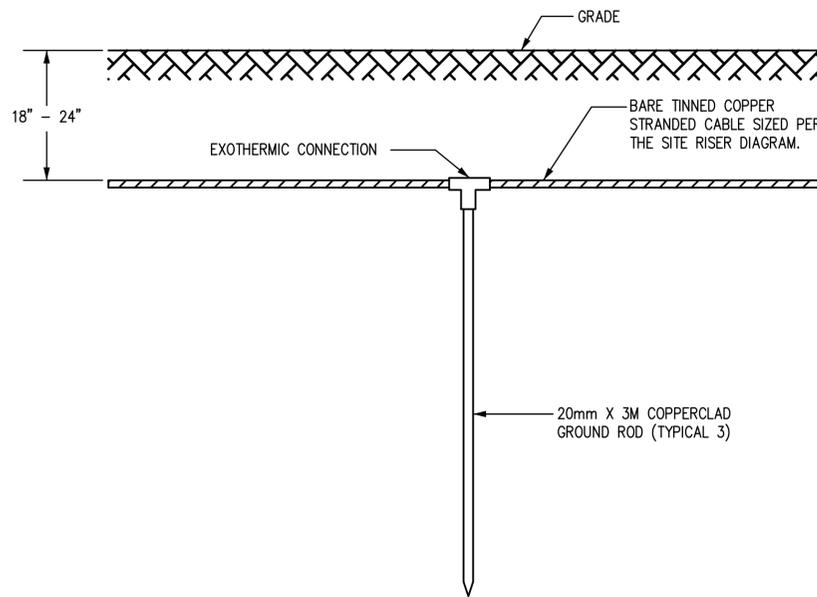
PLUMBING DETAILS, SCHEDULES,
AND SYMBOLS

SHEET REFERENCE NUMBER:
S-P2

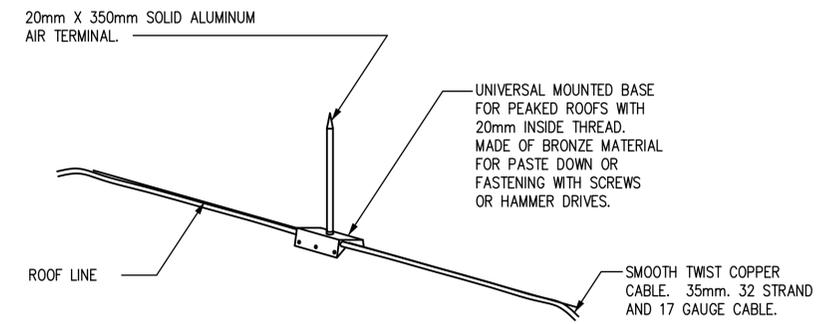
READY TO ADVERTISE SUBMISSION



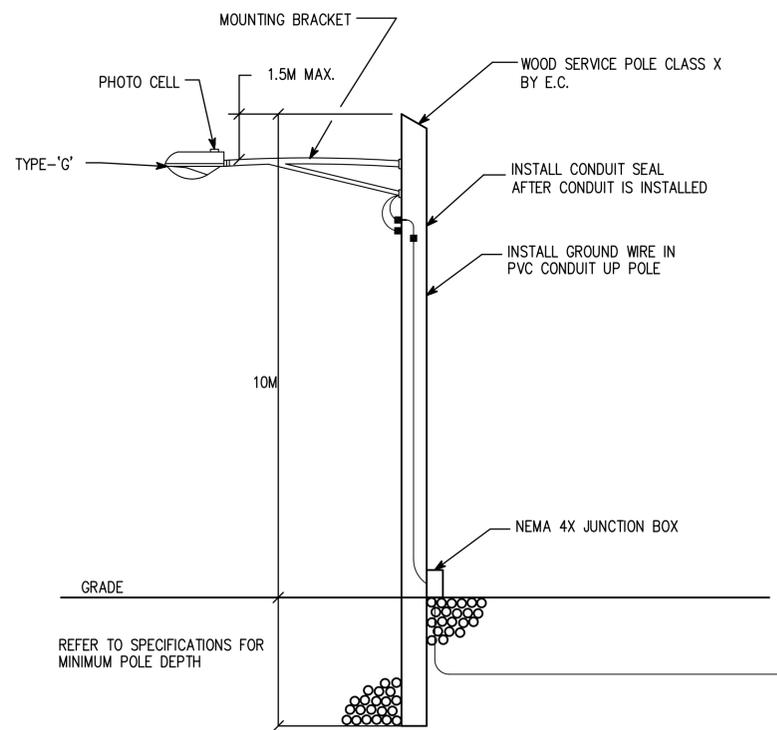
GROUND TRIPOD SYSTEM DETAIL - PLAN VIEW
NO SCALE



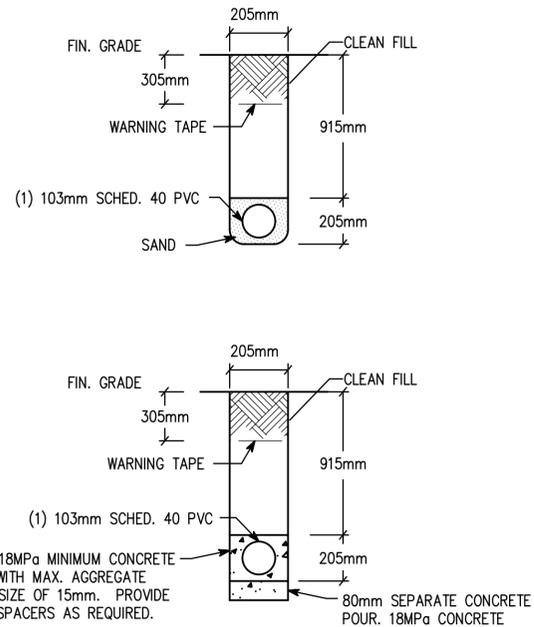
GROUND TRIPOD SYSTEM DETAIL - ELEVATION VIEW
NO SCALE



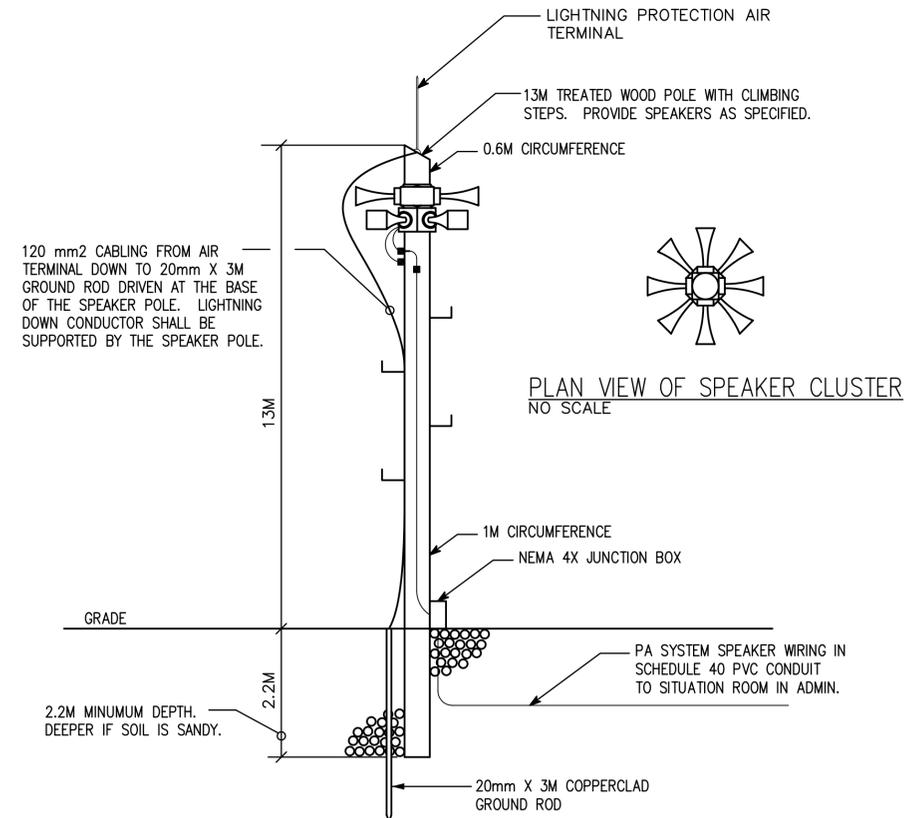
LIGHTNING PROTECTION AIR TERMINAL DETAIL
NO SCALE



POLE DETAIL - FIXTURE G
NO SCALE



TYPICAL DUCT BANK DETAILS FOR POWER AND DATA IN SAND AND CONCRETE
NO SCALE



NOTE: FLAG POLES SHALL BE PROVIDED WITH THE SAME LIGHTNING PROTECTION SYSTEM CONSISTING OF AN AIR TERMINAL, DOWN CONDUCTOR, GROUND ROD, AND ALL NECESSARY CONNECTIONS FOR A COMPLETE LIGHTNING PROTECTION SYSTEM.

POLE DETAIL - PA SYSTEM
NO SCALE



NO.	DATE	DESCRIPTION	SYMBOL

DESIGNED BY: ALF	DATE: 04-01-08
DWN BY: ALF	SUBMITTED BY: JRG
CHK BY: JRG	FILE NO: -----

Altricia Business Park
Altricia Township, Pa. 15108
Moon Township, Pa. 15108
(412) 269-6300

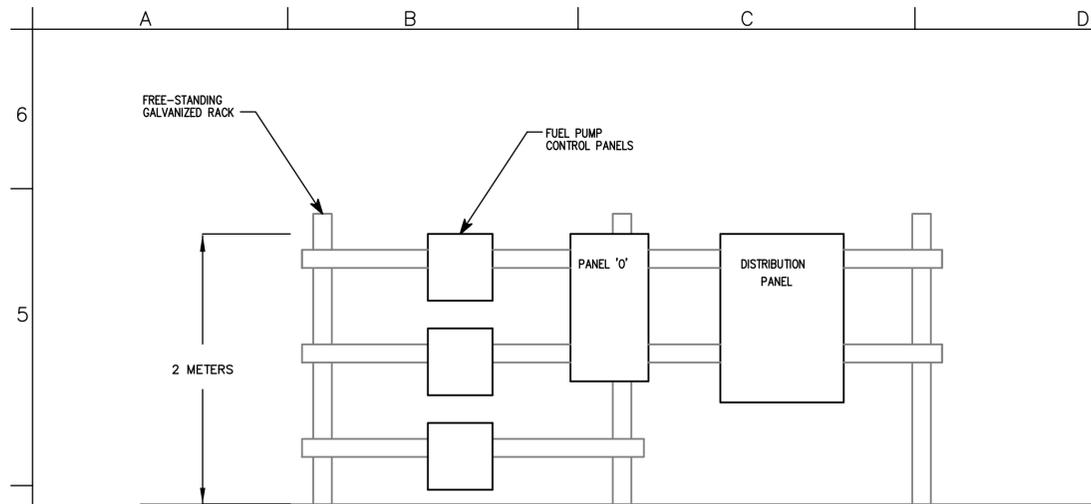
Baker
MICHAEL BAKER CORP., INC.

US Army Corps
of Engineers
Transatlantic Programs
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AFGHAN NATIONAL BORDER POLICE
AFGHANISTAN NATIONAL
BORDER POLICE UNIT FACILITY
BORDER POLICE COMPANY
ELECTRICAL
DETAILS I

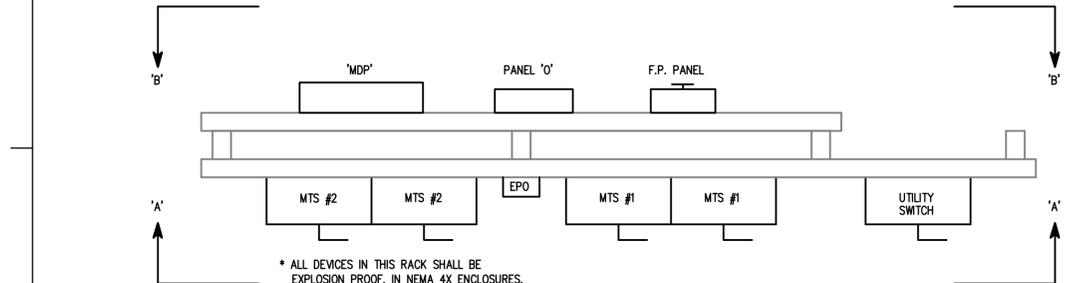
SHEET
REFERENCE
NUMBER:
S-E2

READY TO ADVERTISE SUBMISSION



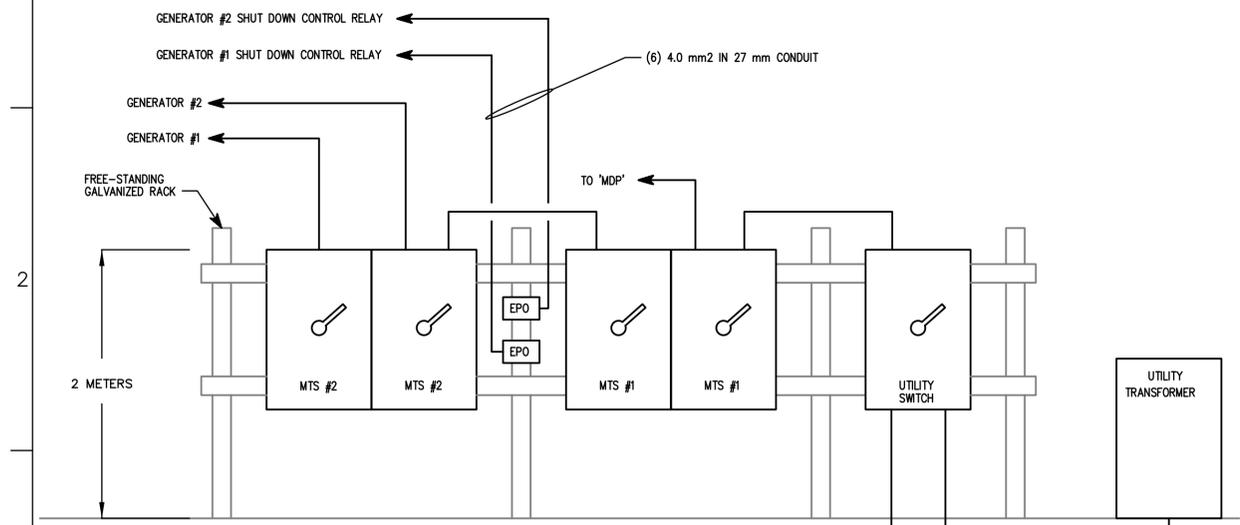
* ALL DEVICES IN THIS RACK SHALL BE EXPLOSION PROOF, IN NEMA 4X ENCLOSURES.

RACK DETAIL - ELEVATION 'B'
NO SCALE



* ALL DEVICES IN THIS RACK SHALL BE EXPLOSION PROOF, IN NEMA 4X ENCLOSURES.

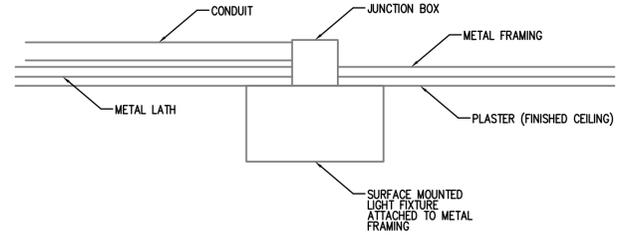
RACK DETAIL - PLAN VIEW
NO SCALE



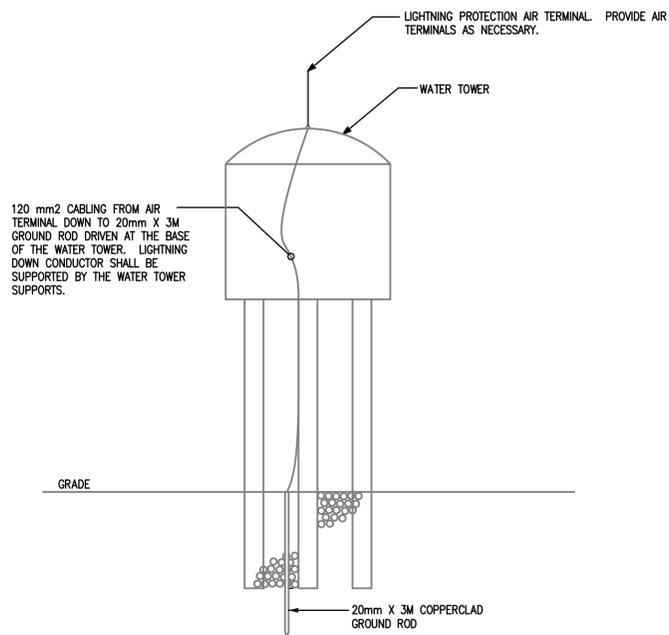
* ALL DEVICES IN THIS RACK SHALL BE EXPLOSION PROOF, IN NEMA 4X ENCLOSURES.

RACK DETAIL - ELEVATION 'A'
NO SCALE

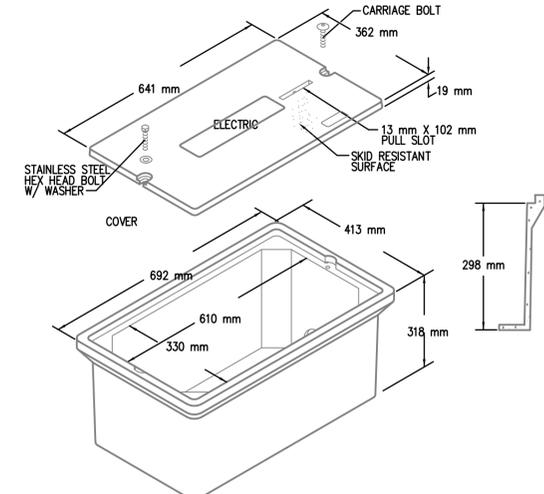
GROUND PER DETAIL ON S-E2



TYPICAL DETAIL FOR SURFACE MOUNTED LIGHT FIXTURES
NO SCALE

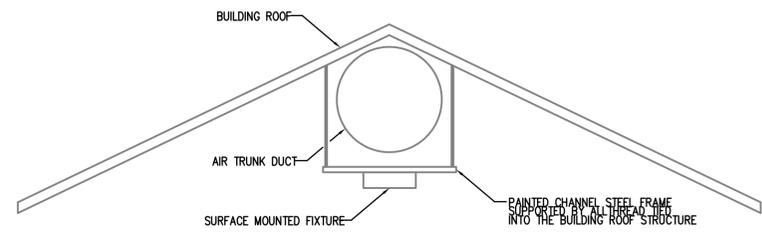


WATER TOWER LIGHTNING PROTECTION DETAIL
NO SCALE



NOTE: ALL HANDHOLES SHALL COMPLY WITH UFC 3-550-03FA.

TYPICAL DETAIL FOR HANDHOLES/PULLBOXES
NO SCALE



TYPICAL DETAIL FOR SURFACE MOUNTED LIGHT FIXTURES IN PEAKED CEILINGS
NO SCALE



DATE	DESCRIPTION	SYMBOL
APR		

DESIGNED BY: DATE: 04-01-08
 ALF
 DWN BY: SUBMITTED BY: JRG
 ALF
 CHK BY: FILE NO.:
 JRG

Alrcide Business Park
 Alrcide Ave
 Moon Township, Pa. 15108
 MICHAEL BAKER CORP. (412) 269-6300

US Army Corps
 of Engineers
 Transatlantic Programs
 Center

AFGHAN NATIONAL BORDER POLICE
 AFGHANISTAN NATIONAL
 BORDER POLICE UNIT FACILITY
 BORDER POLICE COMPANY
 ELECTRICAL
 DETAILS II

SHEET
 REFERENCE
 NUMBER:
S-E3