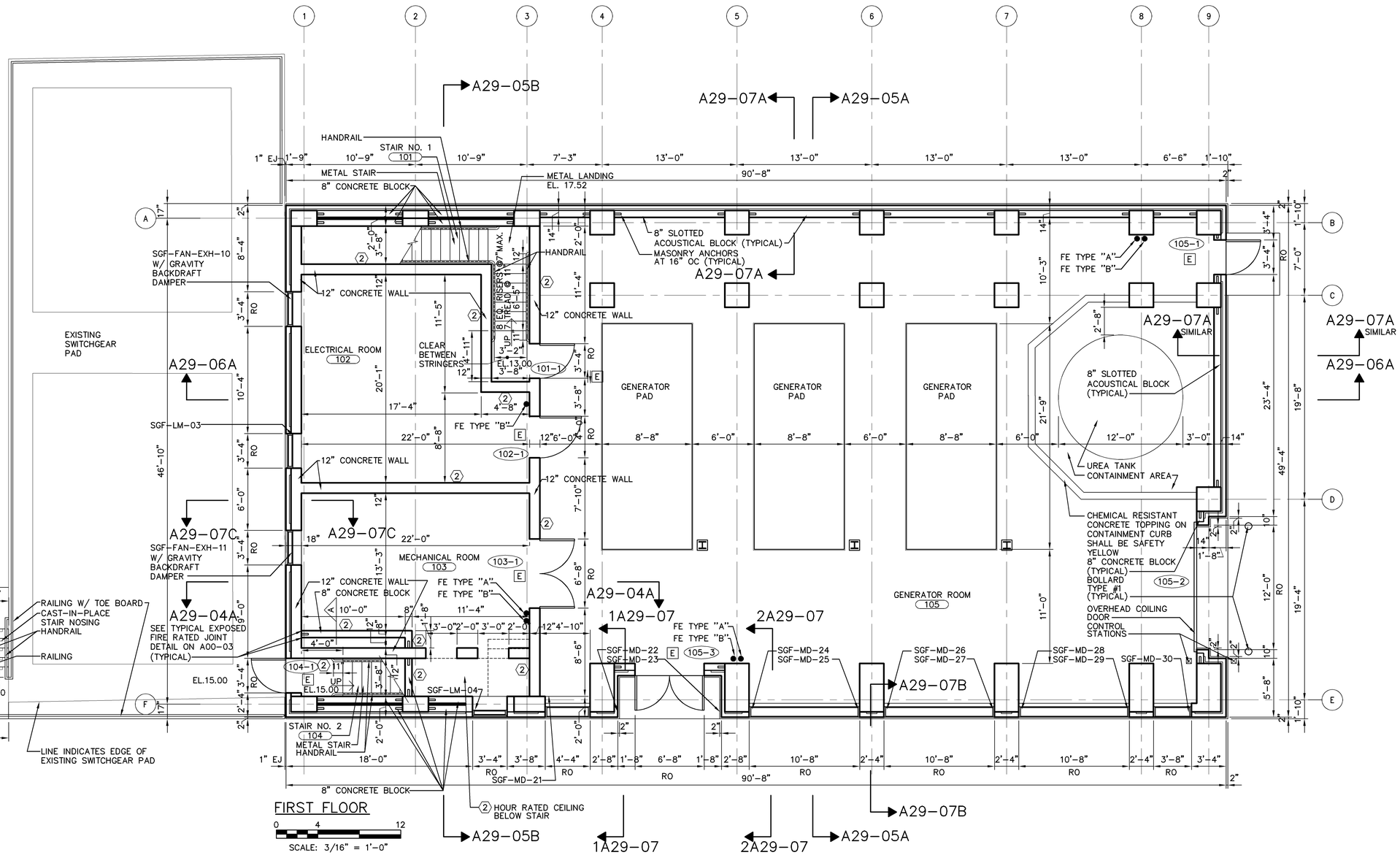
NOTES:

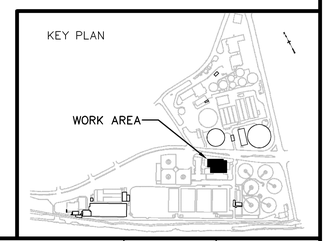
1. SEE SHEET A00-03 FOR ROOM FINISH SCHEDULE.
2. SEE SHEET A00-04 FOR DOOR SCHEDULE AND DETAILS.
3. SEE SHEET A00-05 FOR RAILING AND HANDRAIL DETAILS.
4. COORDINATE WITH 'S' DRAWINGS FOR CONCRETE COLUMN REINFORCING.
5. COORDINATE WITH 'M" DRAWINGS FOR LOUVERS, MOTORIZED DAMPERS, WALL EXHAUST FANS AND GRAVITY DAMPERS THAT ARE IDENTIFIED WITH EQUIPMENT TAGS. EQUIPMENT TAGS IDENTIFICATION KEY:
SGF-MD-# = MOTORIZED DAMPER TAG,
SGF-FAN EXH-# = EXHAUST FAN TAG,
SGF-LM-# = LOUVER MOTOR TAG



FIRST FLOOR

0 4 12

SCALE: 3/16" = 1'-0"



NO.	ISSUED FOR	DATE	BY
A	CONFORMED DOCUMENT	07/05/09	OAM
2	ADDENDUM NO. 2	05/26/09	DMCS
1	ADDENDUM NO. 1	05/11/09	DMCS

DESIGNED DFC
DRAWN MH
CHECKED DFC
PROJ.ENGR. DFC
CAD REF. NO. 2A001SGFA
APPROVED

HORIZONTAL DATUM IS REFERENCED TO VIRGINIA STATE GRID, NORTH AMERICAN DATUM 1983 (NAD 83)

VERTICAL DATUM IS REFERENCED TO NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29)

ORIGINAL SIGNED DOCUMENT ON FILE

MALCOLM PIRNIE
Independent Environmental Engineers, Scientists & Consultants
3101 Wilson Boulevard Suite 550
Arlington, VA 22201

ARLINGTON COUNTY VIRGINIA

ARLINGTON COUNTY
WATER POLLUTION CONTROL PLANT

UPGRADE AND EXPANSION
PHASE 7F

STANDBY GENERATOR FACILITY

PLAN AT FLOOR EL. 13.00

THE SCALE BAR SHOWN BELOW MEASURES ONE INCH LONG ON THE ORIGINAL DRAWING.

DATE: APRIL 2009

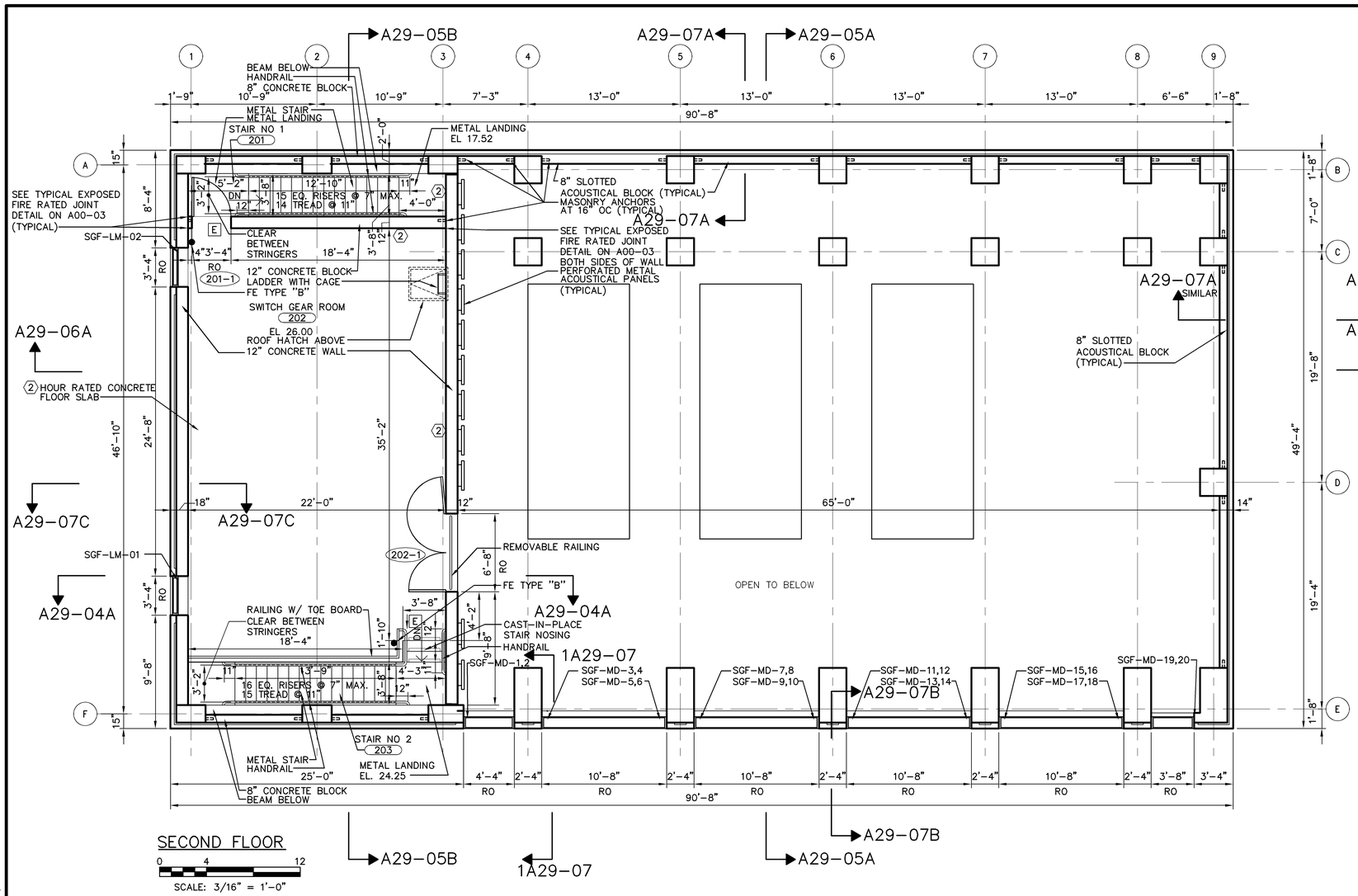
DRAWING NUMBER
A29-01

SHEET OF

User: CONTINI Spec: ARLINGTON CNTY Flle: E:\Arlington\VA & 7B Active Project\196-03\SGF\ARCH\2A001SGF0.DWG Scale: 1:1 Date: 06/08/2009 Time: 11:02 Layout: A29-01

NOTES:

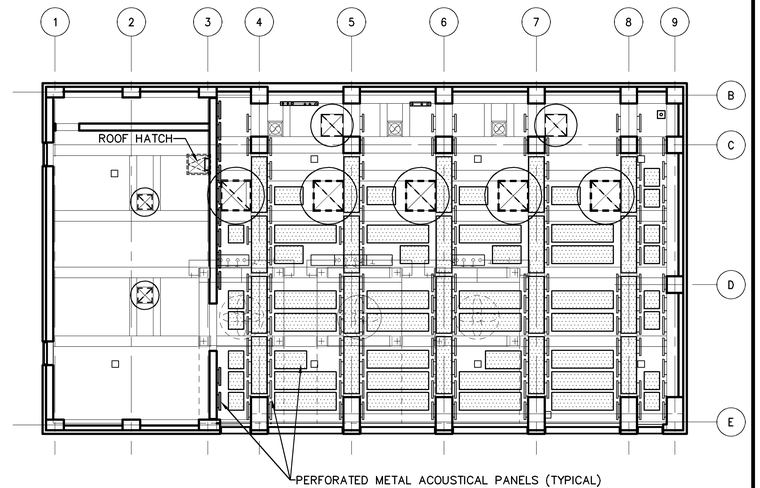
1. SEE SHEET A00-03 FOR ROOM FINISH SCHEDULE.
2. SEE SHEET A00-04 FOR DOOR SCHEDULE AND DETAILS.
3. SEE SHEET A00-05 FOR RAILING AND HANDRAIL DETAILS.
4. COORDINATE WITH 'S' DRAWINGS FOR CONCRETE COLUMN REINFORCING.
5. COORDINATE WITH 'M' DRAWINGS FOR LOUVERS, MOTORIZED DAMPERS, WALL EXHAUST FANS AND GRAVITY DAMPERS THAT ARE IDENTIFIED WITH EQUIPMENT TAGS. EQUIPMENT TAGS IDENTIFICATION KEY:
   SGF-MD-# = MOTORIZED DAMPER TAG,
   SGF-FAN EXH-# = EXHAUST FAN TAG,
   SGF-LM-# = LOUVER MOTOR TAG



SECOND FLOOR

0 4 12

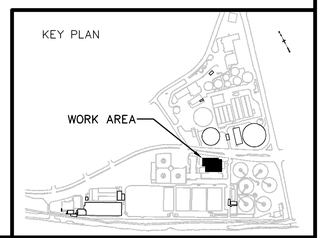
SCALE: 3/16" = 1'-0"



REFLECTED CEILING PLAN

6 0 6 12

SCALE: 3/32" = 1'-0"



NO.	ISSUED FOR	DATE	BY
A	CONFORMED DOCUMENT	07/05/09	OAM
2	ADDENDUM NO. 2	05/26/09	DMCS
1	ADDENDUM NO. 1	05/11/09	DMCS

DESIGNED DFC
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PROJ.ENGR. DFC
CAD REF. NO. 2A002SGFA
APPROVED

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ORIGINAL SIGNED DOCUMENT ON FILE

MALCOLM PIRNIE
Independent Environmental Engineers, Scientists & Consultants
3101 Wilson Boulevard Suite 550
Arlington, VA 22201

ARLINGTON COUNTY
WATER POLLUTION CONTROL PLANT

UPGRADE AND EXPANSION
PHASE 7F

STANDBY GENERATOR FACILITY

PLAN AT FLOOR EL. 26.00

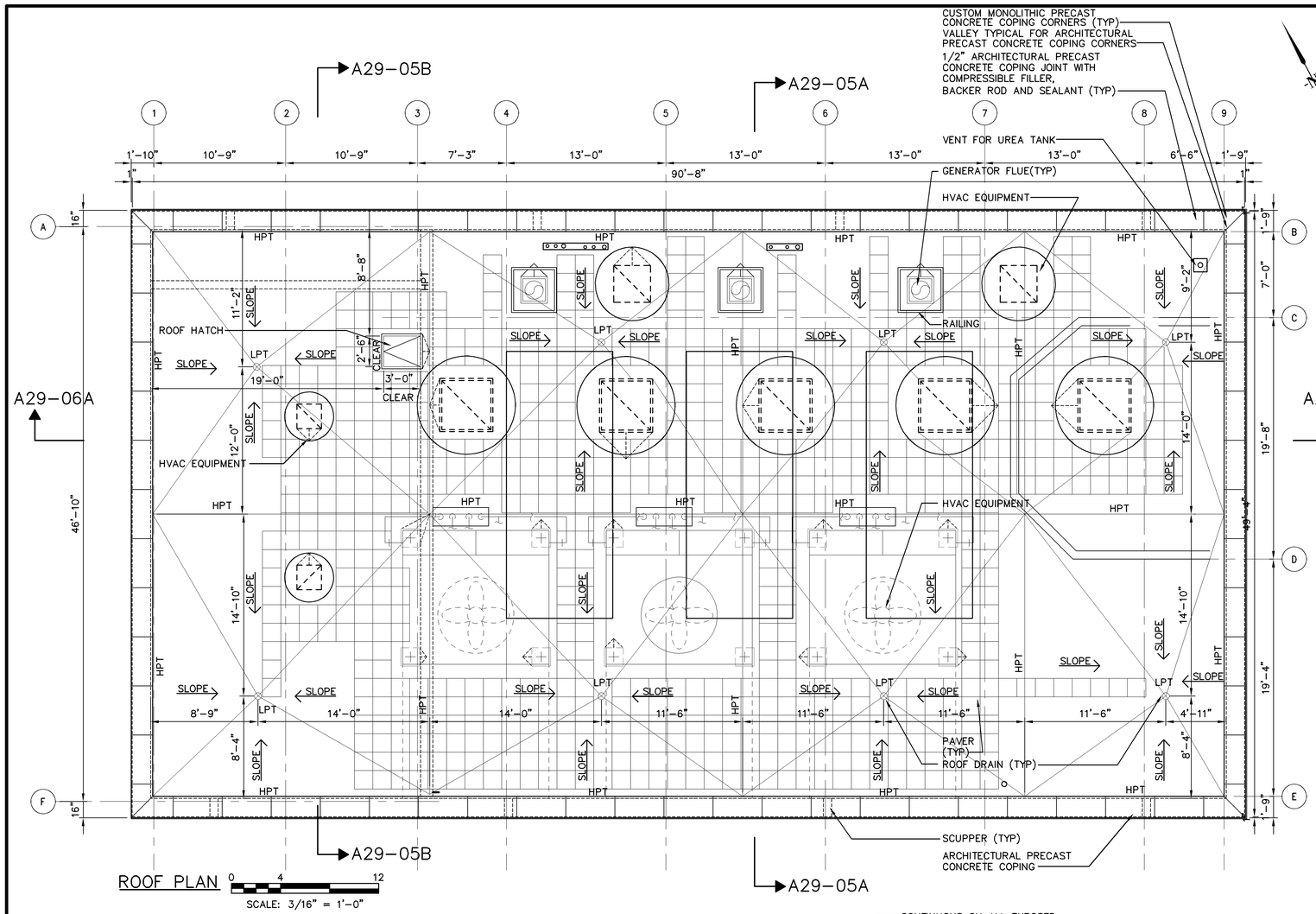
THE SCALE BAR SHOWN BELOW MEASURES ONE INCH LONG ON THE ORIGINAL DRAWING.

DATE: APRIL 2009

DRAWING NUMBER
A29-02

SHEET OF

User: Cutler Spec: ARLINGTON CNTY Files: \96-03\SGF\Conformed Documents\ARCH\2A002SGFA.DWG Scale: 1:1 Date: 07/13/2009 Time: 14:28 Layout: A29-02

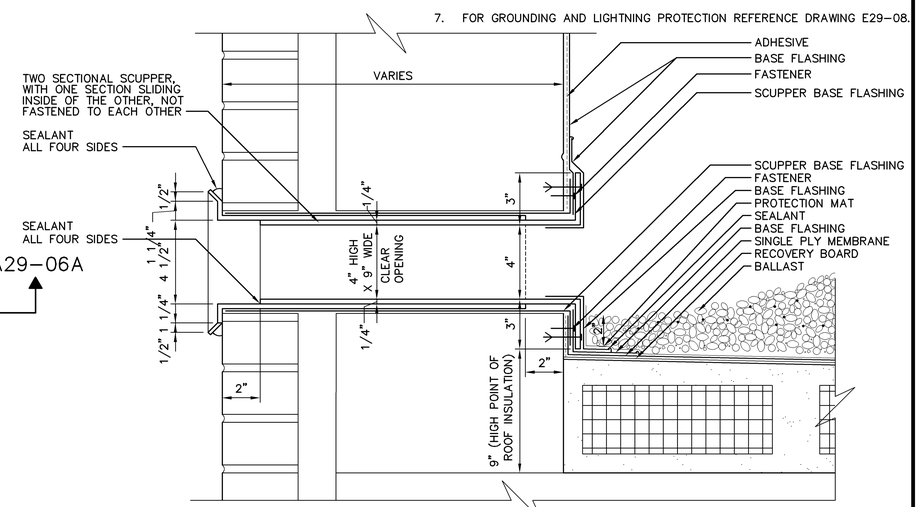


ROOF PLAN 0 4 12

SCALE: 3/16" = 1'-0"

NOTES:

1. 1/4" PER FOOT MINIMUM SLOPE ON ALL COMPOSITE ROOF SYSTEMS.
2. FOR ROOF DRAIN TYPES SEE SPECIFICATION SECTION 15413.
3. HPT INDICATES HIGH POINT OF COMPOSITE ROOF INSULATION 9" ABOVE TOP OF CONCRETE SLAB.
4. LPT INDICATES LOW POINT OF COMPOSITE ROOF INSULATION 5" ABOVE TOP OF CONCRETE SLAB.
5. ARCHITECTURAL PRECAST CONCRETE COPING LENGTHS ARE 4'-0" UNLESS OTHERWISE NOTED.
6. SLOPE PAVERS TO FOLLOW SLOPE OF INSULATION AND ROOF SYSTEM.
7. FOR GROUNDING AND LIGHTNING PROTECTION REFERENCE DRAWING E29-08.

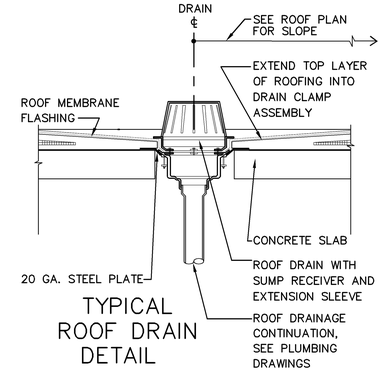


TYPICAL SCUPPER DETAIL FOR ROOF DETAIL NO. 1

0 3" 12"

SCALE: 3" = 1'-0"

* COORDINATE SCUPPER LOCATION BASED ON SIZE OF PRECAST CONCRETE PLANK AND FINISH ROOFING SYSTEM HIGH POINT (LOCATE MIN 2", MAX 3" ABOVE HIGH POINT)

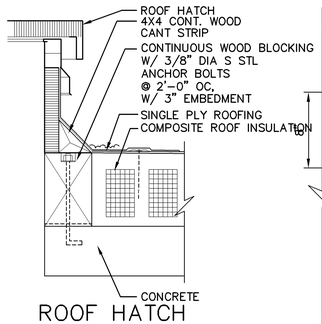


TYPICAL ROOF DRAIN DETAIL

SCALE: 3/4" = 1'-0"

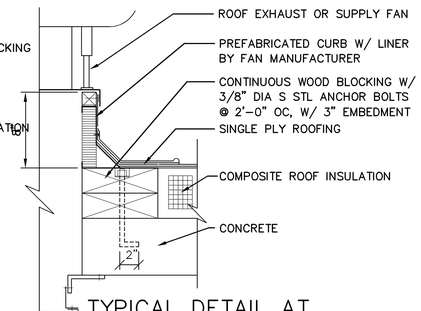
0 1 2

SCALE: 3/4" = 1'-0"



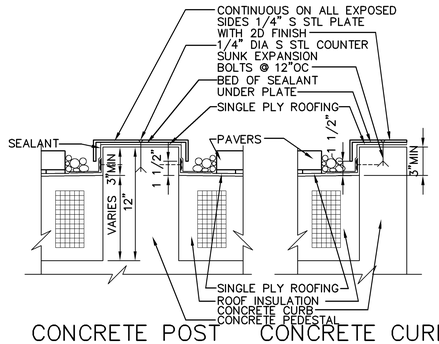
ROOF HATCH DETAIL

SCALE 1 1/2" = 1'-0"



TYPICAL DETAIL AT ROOF EXHAUST OR SUPPLY FAN

SCALE: 1 1/2" = 1'-0"

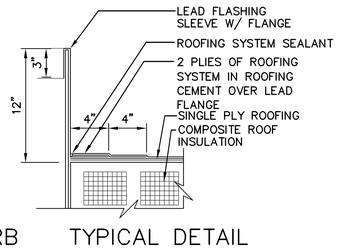


CONCRETE POST CURB ROOF DETAIL

SCALE: 1 1/2" = 1'-0"

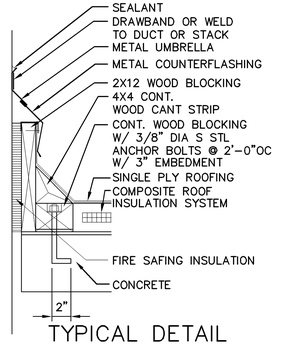
CONCRETE CURB ROOF DETAIL

SCALE: 1 1/2" = 1'-0"



TYPICAL DETAIL AT VENT THRU ROOF

SCALE: 1 1/2" = 1'-0"

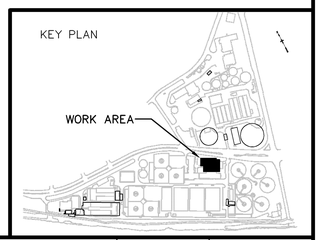


TYPICAL DETAIL AT ROOF DUCT OR STACK

SCALE: 1 1/2" = 1'-0"

1 0 1

SCALE: 1 1/2" = 1'-0"



NO.	ISSUED FOR	DATE	BY
A	CONFORMED DOCUMENT	07/05/09	OAM
1	ADDENDUM NO. 1	05/11/09	DMCS

DESIGNED DFC
DRAWN MH
CHECKED DFC
PROJ.ENGR. DFC
CAD REF. NO. 2A003SGFA
APPROVED

HORIZONTAL DATUM IS REFERENCED TO VIRGINIA STATE GRID, NORTH AMERICAN DATUM 1983 (NAD 83)

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ORIGINAL SIGNED DOCUMENT ON FILE

MALCOLM PIRNIE
Independent Environmental Engineers, Scientists & Consultants
3101 Wilson Boulevard Suite 550
Arlington, VA 22201

ARLINGTON COUNTY
WATER POLLUTION CONTROL PLANT

UPGRADE AND EXPANSION
PHASE 7F

STANDBY GENERATOR FACILITY

ROOF PLAN AND DETAILS

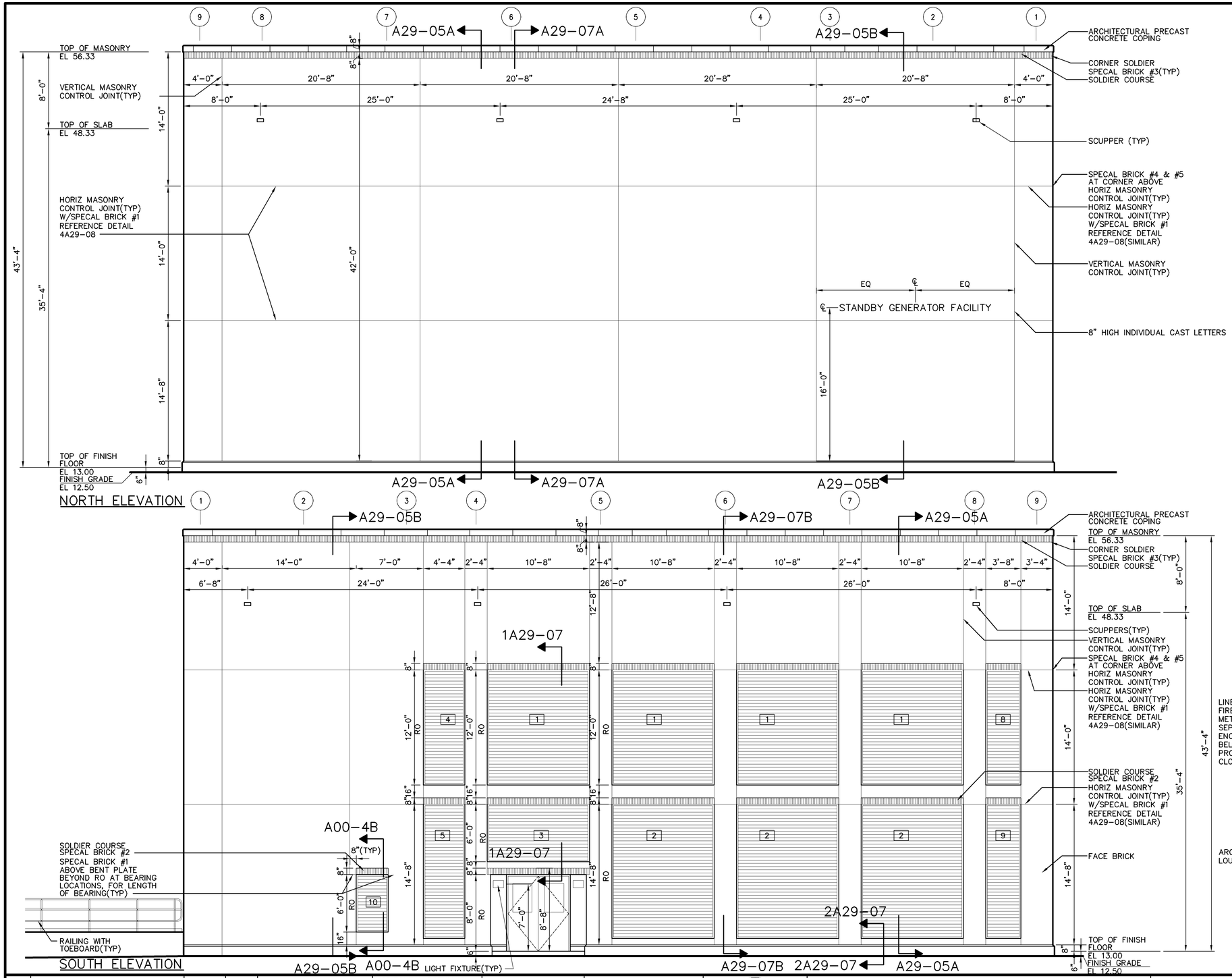
THE SCALE BAR SHOWN BELOW MEASURES ONE INCH LONG ON THE ORIGINAL DRAWING.

DATE: APRIL 2009

DRAWING NUMBER
A29-03

SHEET OF

User:Cutter Spec:ARLINGTON CNTY File:L:\96-03\SGF\Conformed Documents\ARCH\2A003SGFA.DWG Scale:1:1 Date:07/13/2009 Time:14:27 Layout:A29-03



NORTH ELEVATION

SOUTH ELEVATION

SECTION A29-04A
A29-01

NOTES:

1. ALUMINUM WINDOWS ARE 4'-0"W X 6'-0"H UNLESS OTHERWISE NOTED.
2. FOR LOUVER DETAILS REFERENCE SHEETS A00-04, A29-07 AND A29-08.
3. FOR SPECIAL BRICK DETAILS AND ARCHITECTURAL PRECAST CONCRETE SILL TYPES REFERENCE SHEET A00-03.

LEGEND:

1. INDICATES 10'-8"W X 12'-0"H FIXED ACOUSTICAL LOUVER UNLESS OTHERWISE NOTED.
2. INDICATES 10'-8"W X 14'-0"H FIXED ACOUSTICAL LOUVER UNLESS OTHERWISE NOTED.
3. INDICATES 10'-8"W X 6'-0"H FIXED ACOUSTICAL LOUVER UNLESS OTHERWISE NOTED.
4. INDICATES 4'-4"W X 12'-0"H FIXED ACOUSTICAL LOUVER UNLESS OTHERWISE NOTED.
5. INDICATES 4'-4"W X 14'-0"H FIXED ACOUSTICAL LOUVER UNLESS OTHERWISE NOTED.
6. NOT USED
7. NOT USED
8. INDICATES 3'-8"W X 12'-0"H FIXED ACOUSTICAL LOUVER UNLESS OTHERWISE NOTED.
9. INDICATES 3'-8"W X 14'-0"H FIXED ACOUSTICAL LOUVER UNLESS OTHERWISE NOTED.
10. INDICATES 3'-4"W X 6'-0"H OPERABLE LOUVER UNLESS OTHERWISE NOTED.
11. INDICATES 3"-4"W X 3'-4"H FIXED LOUVER UNLESS OTHERWISE NOTED.
12. INDICATES 3'-4"W X 5'-0"H OPERABLE LOUVER UNLESS OTHERWISE NOTED.

0 4 12
SCALE: 3/16" = 1'-0"

NO.	ISSUED FOR	DATE	BY
A	CONFORMED DOCUMENT	07/05/09	OAM
2	ADDENDUM NO. 3	06/06/09	DMCS
1	ADDENDUM NO. 1	05/11/09	DMCS

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CHECKED DFC
PROJ.ENGR. DFC
CAD REF. NO. 2A004SGFA
APPROVED

HORIZONTAL DATUM IS REFERENCED TO VIRGINIA STATE GRID, NORTH AMERICAN DATUM 1983 (NAD 83)

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ORIGINAL SIGNED DOCUMENT ON FILE

MALCOLM PIRNIE
Independent Environmental Engineers, Scientists & Consultants
3101 Wilson Boulevard Suite 550
Arlington, VA 22201

ARLINGTON COUNTY
WATER POLLUTION CONTROL PLANT

UPGRADE AND EXPANSION
PHASE 7F

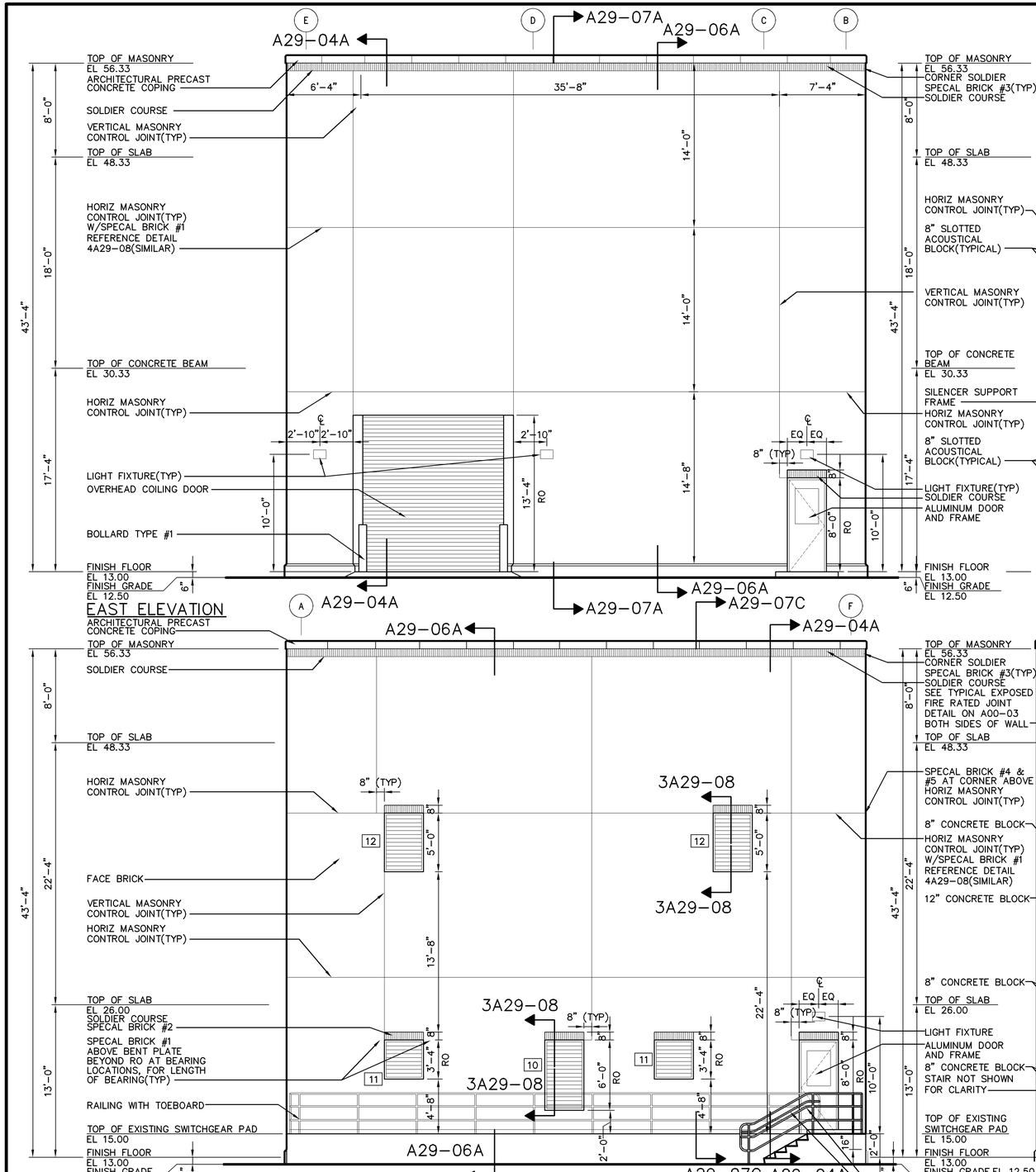
STANDBY GENERATOR FACILITY

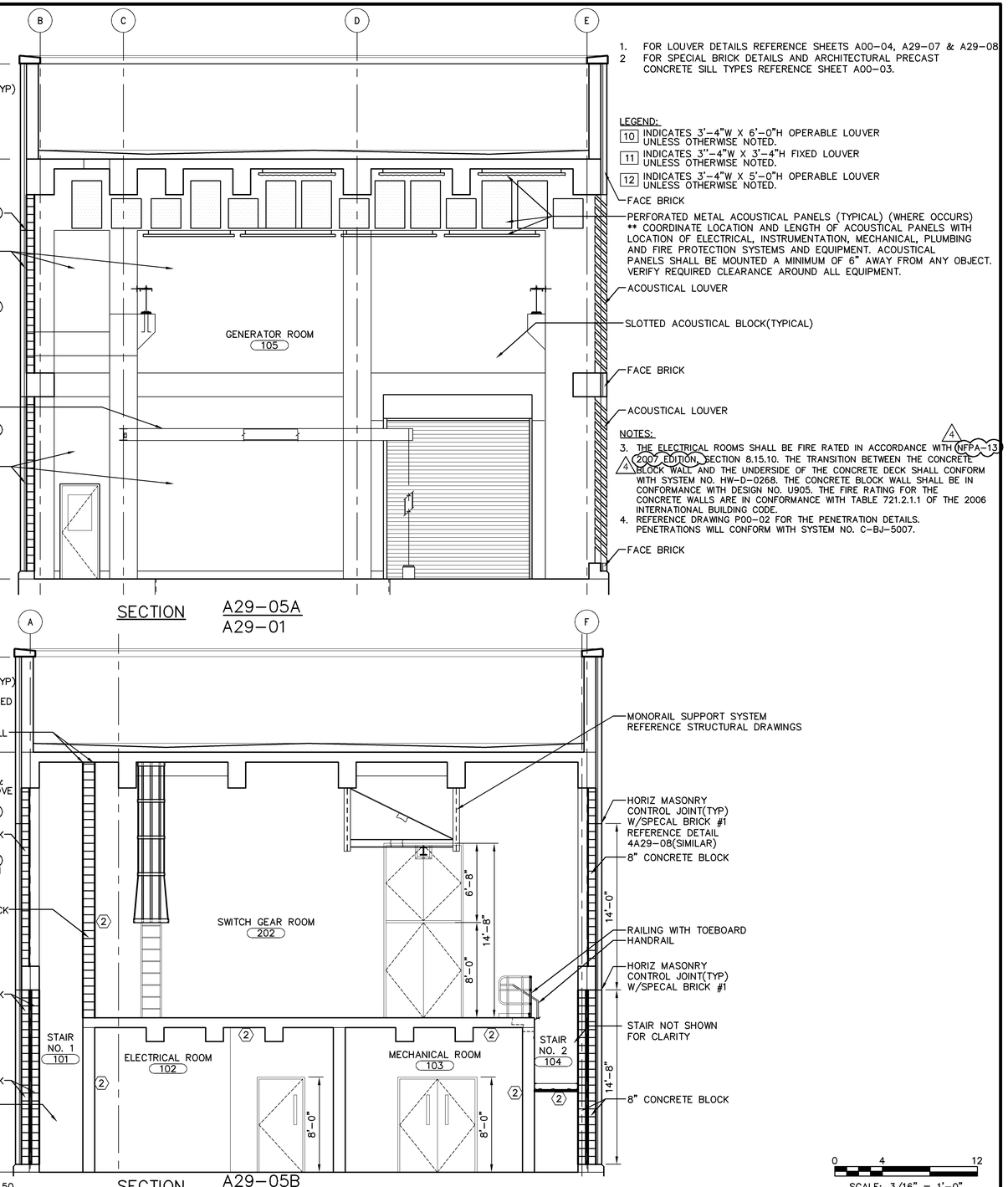
NORTH AND SOUTH ELEVATIONS

THE SCALE BAR SHOWN BELOW MEASURES ONE INCH LONG ON THE ORIGINAL DRAWING.

DATE: APRIL 2009
DRAWING NUMBER
A29-04
SHEET OF

User:Cutler Spec:ARLINGTON CNTY File:L:\96-03\SGF\Conformed Documents\ARCH\2A004SGFA.DWG Scale:1:1 Date:07/13/2009 Time:14:26 Layout:A29-04





1. FOR LOUVER DETAILS REFERENCE SHEETS A00-04, A29-07 & A29-08
2. FOR SPECIAL BRICK DETAILS AND ARCHITECTURAL PRECAST CONCRETE SILL TYPES REFERENCE SHEET A00-03.

LEGEND:

10 INDICATES 3'-4"W X 6'-0"H OPERABLE LOUVER UNLESS OTHERWISE NOTED.

11 INDICATES 3''-4"W X 3'-4"H FIXED LOUVER UNLESS OTHERWISE NOTED.

12 INDICATES 3'-4"W X 5'-0"H OPERABLE LOUVER UNLESS OTHERWISE NOTED.

FACE BRICK

PERFORATED METAL ACOUSTICAL PANELS (TYPICAL) (WHERE OCCURS) ** COORDINATE LOCATION AND LENGTH OF ACOUSTICAL PANELS WITH LOCATION OF ELECTRICAL, INSTRUMENTATION, MECHANICAL, PLUMBING AND FIRE PROTECTION SYSTEMS AND EQUIPMENT. ACOUSTICAL PANELS SHALL BE MOUNTED A MINIMUM OF 6" AWAY FROM ANY OBJECT. VERIFY REQUIRED CLEARANCE AROUND ALL EQUIPMENT.

ACOUSTICAL LOUVER

SLOTTED ACOUSTICAL BLOCK(TYPICAL)

FACE BRICK

ACOUSTICAL LOUVER

NOTES:

3. THE ELECTRICAL ROOMS SHALL BE FIRE RATED IN ACCORDANCE WITH (NFPA-13) (2007 EDITION), SECTION 8.15.10. THE TRANSITION BETWEEN THE CONCRETE BLOCK WALL AND THE UNDERSIDE OF THE CONCRETE DECK SHALL CONFORM WITH SYSTEM NO. HW-D-0268. THE CONCRETE BLOCK WALL SHALL BE IN CONFORMANCE WITH DESIGN NO. U905. THE FIRE RATING FOR THE CONCRETE WALLS ARE IN CONFORMANCE WITH TABLE 721.2.1.1 OF THE 2006 INTERNATIONAL BUILDING CODE.
4. REFERENCE DRAWING P00-02 FOR THE PENETRATION DETAILS. PENETRATIONS WILL CONFORM WITH SYSTEM NO. C-BJ-5007.

FACE BRICK

SCALE: 3/16" = 1'-0"

NO.	ISSUED FOR	DATE	BY
A	CONFORMED DOCUMENT	07/05/09	OAM
4	ISD REVISIONS	06/11/09	DMCS
3	ADDENDUM NO. 3	06/06/09	DMCS
2	ADDENDUM NO. 2	05/26/09	DMCS
1	ADDENDUM NO. 1	05/11/09	DMCS

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DRAWN DMCS
CHECKED
PROJ.ENGR.
CAD REF. NO. 2A005SGFA
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ARLINGTON COUNTY
WATER POLLUTION CONTROL PLANT

UPGRADE AND EXPANSION
PHASE 7F

STANDBY GENERATOR FACILITY EAST AND WEST ELEVATIONS AND BUILDING SECTIONS

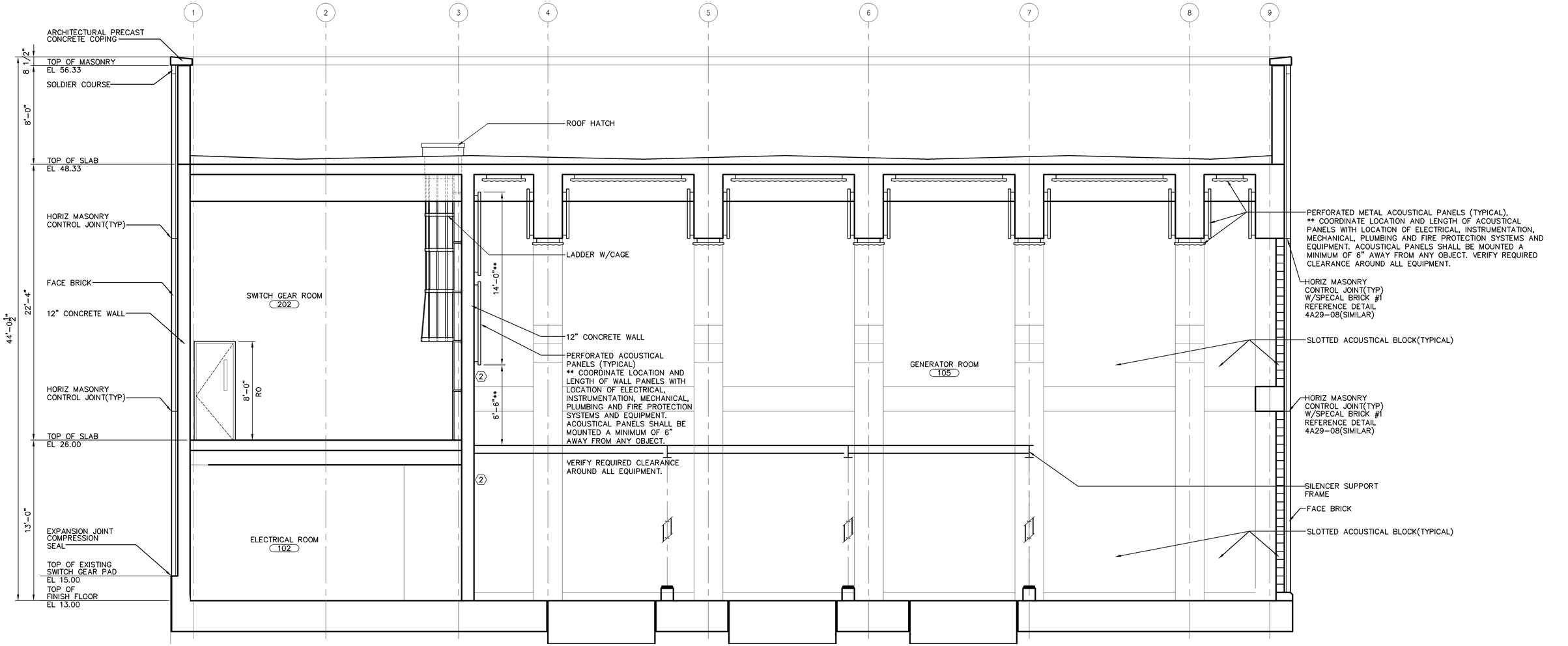
THE SCALE BAR SHOWN BELOW MEASURES ONE INCH LONG ON THE original DRAWING.

DATE: APRIL 2009
DRAWING NUMBER
A29-05
SHEET OF

User:Cutler Spec:ARLINGTON CNTY File:L:\96-03.SGF\Conformed Documents\ARCH\2A005SGFA.DWG Scale:1:1 Date:07/15/2009 Time:14:49 Layout:A29-05

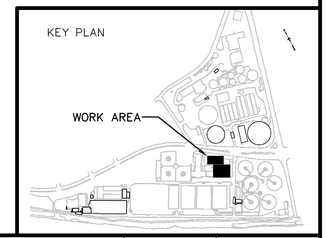
NOTES:

1. SEE SHEET A00-03 FOR ROOM FINISH SCHEDULE.
2. SEE SHEET A00-04 FOR DOOR SCHEDULE AND DETAILS.
3. SEE SHEET A00-05 FOR RAILING AND HANDRAIL DETAILS.
4. COORDINATE WITH 'S' DRAWINGS FOR CONCRETE COLUMN REINFORCING.



SECTION A29-06A
A29-01

2 0 6
SCALE: 1/4" = 1'-0"



NO.	ISSUED FOR	DATE	BY
A	CONFORMED DOCUMENT	07/05/09	OAM

DESIGNED DFC
DRAWN MH
CHECKED DFC
PROJ.ENGR. DFC
CAD REF. NO. 2A006SGFA
APPROVED

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ORIGINAL SIGNED DOCUMENT ON FILE

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Independent Environmental Engineers, Scientists & Consultants
3101 Wilson Boulevard Suite 550
Arlington, VA 22201

ARLINGTON COUNTY
WATER POLLUTION CONTROL PLANT

UPGRADE AND EXPANSION
PHASE 7F

STANDBY GENERATOR FACILITY

BUILDING SECTION

THE SCALE BAR SHOWN BELOW MEASURES ONE INCH LONG ON THE ORIGINAL DRAWING.

DATE: APRIL 2009
DRAWING NUMBER
A29-06
SHEET OF

User:Cutter Spec:ARLINGTON CNTY File:\\98-03\SGF\Conformed Documents\ARCH\2A006SGFA.DWG Scale:1:1 Date:07/15/2009 Time:14:48 Layout:A29-06