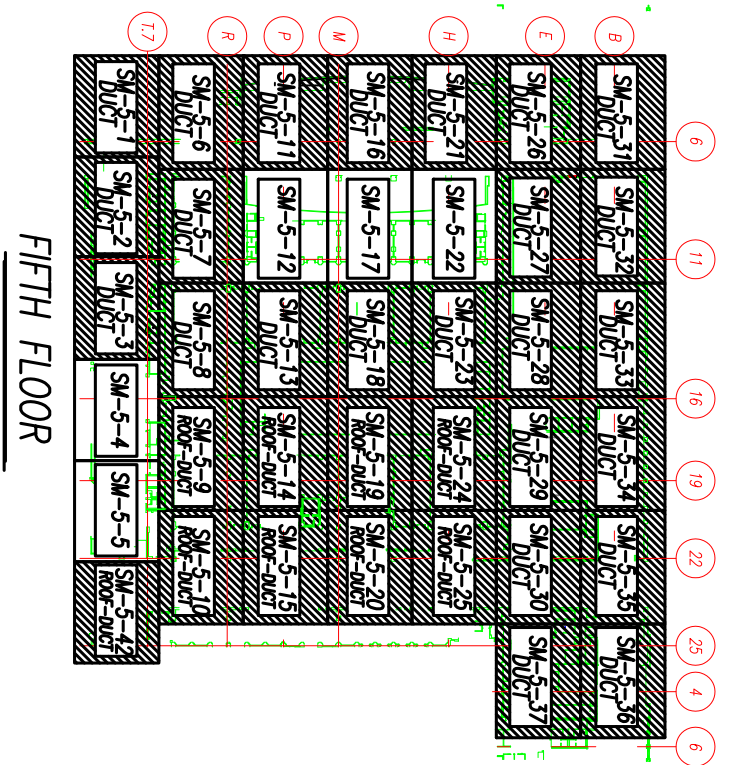


RECORD DRAWINGS
The Keating JV



- NOTES:
- 1 - ALL JOIST TO BE REMOVED PER SHOWN CONSTRUCTION DIMENSIONS
 - 2 - CH = AIR LOUSE - DIA = NO AIRLOUSE LANGE
 - 3 - 1" V-BOX = AIR LOUSE - 1" AIRLOUSE LANGE
 - 4 - 1" V-BOX = AIR LOUSE - 1" AIRLOUSE LANGE
 - 5 - 1" V-BOX = AIR LOUSE - 1" AIRLOUSE LANGE
 - 6 - 1" V-BOX = AIR LOUSE - 1" AIRLOUSE LANGE
 - 7 - 1" V-BOX = AIR LOUSE - 1" AIRLOUSE LANGE
 - 8 - 1" V-BOX = AIR LOUSE - 1" AIRLOUSE LANGE

AB	AS BUILT	BLJ	01-11-11
S	SIGN OFF	BLJ	06-20-09
A	FOR APPROVAL	BLJ	06-22-09
REV	DESCRIPTION	DATE	BY

Advantage CONTRACTING INC.
A Minority Owned Business Enterprise
219 W. Hartner Street • Philadelphia, PA 19119
www.advantagecontracts.com

PA CONVENTION CENTER
EXPANSION AND RENOVATION
LEVEL 5 PARTIAL PARTIAL PLAN

REVISED: 06/24/09
DATE: 06/24/09
BY: SM 3-14

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HIGHEST JOIST

38'-10 1/2"

5'-1 1/2"
CLR OPNG

20

8'-6 1/4"

38'-6 1/2"

5'-1 1/2"
CLR OPNG

61.5X61.5
CLEAR OPENING
FOR EF-19

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FOR EF-19

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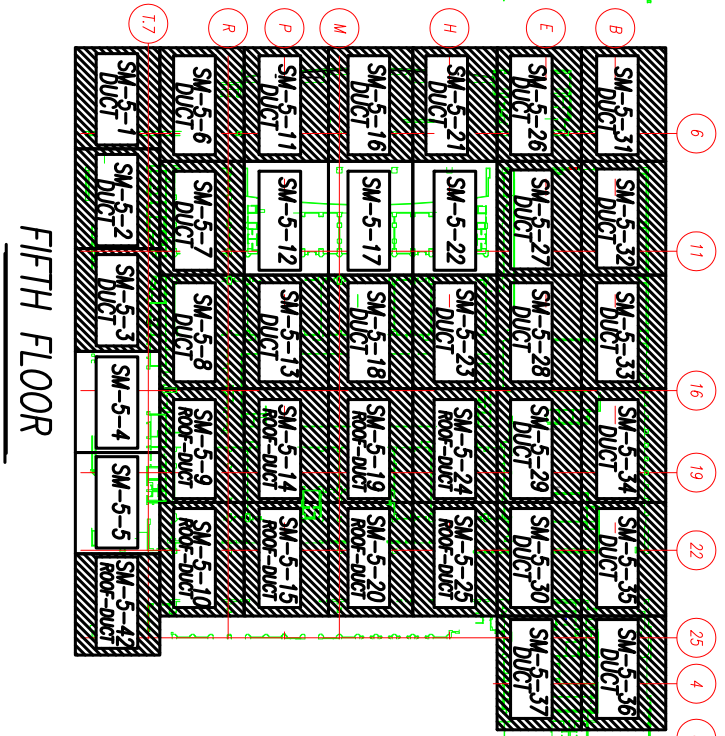
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FOR EF-19

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EF-19

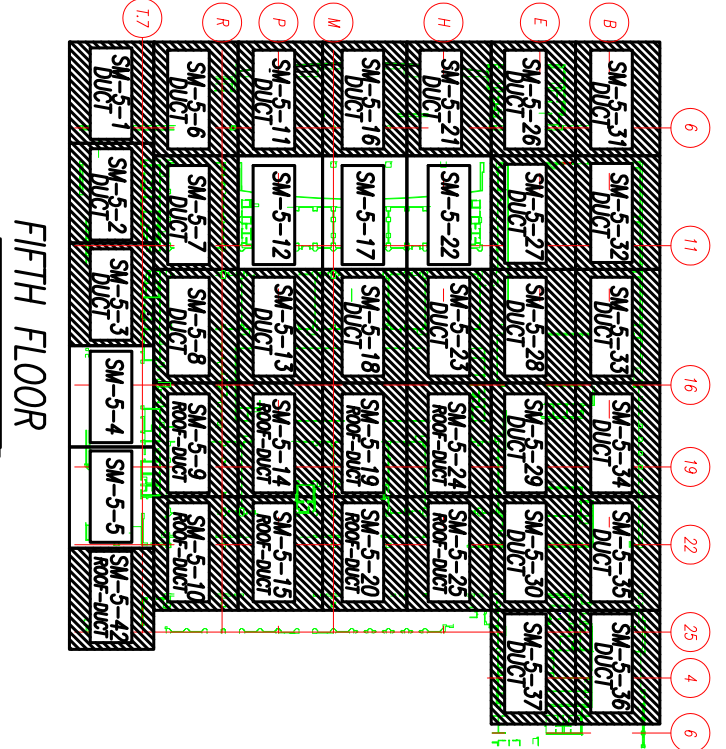
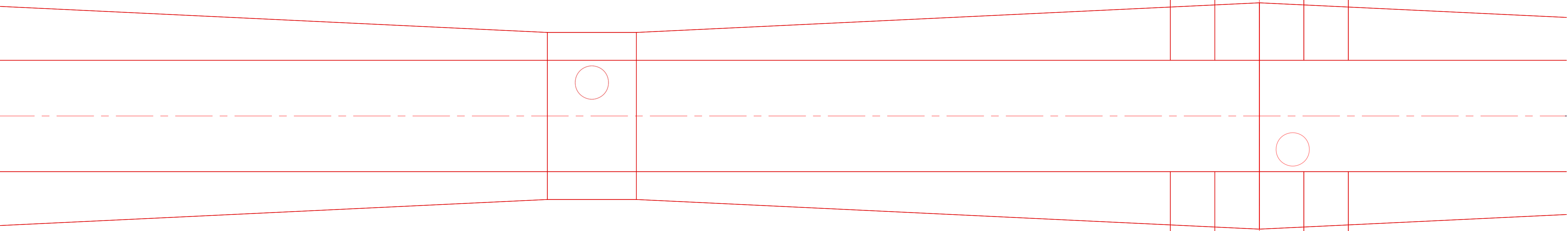
FAN LOCATIONS BY JOIST
MANUFACTURER RFI#122 AND
RFI#326 WITH ATTACHED
SKETCHES

RECORD DRAWINGS
The Heating JV



NOTES:

1. ALL WORK TO BE COMPLETED BY 10/15/2020.
2. 1" = 1/8" = 1/16" = 1/32" = 1/64" = 1/128" = 1/256" = 1/512" = 1/1024" = 1/2048" = 1/4096" = 1/8192" = 1/16384" = 1/32768" = 1/65536" = 1/131072" = 1/262144" = 1/524288" = 1/1048576" = 1/2097152" = 1/4194304" = 1/8388608" = 1/16777216" = 1/33554432" = 1/67108864" = 1/134217728" = 1/268435456" = 1/536870912" = 1/1073741824" = 1/2147483648" = 1/4294967296" = 1/8589934592" = 1/17179869184" = 1/34359738368" = 1/68719476736" = 1/137438953472" = 1/274877906944" = 1/549755813888" = 1/1099511627776" = 1/2199023255552" = 1/4398046511104" = 1/8796093022208" = 1/17592186044416" = 1/35184372088832" = 1/70368744177664" = 1/140737488355328" = 1/281474976710656" = 1/562949953421312" = 1/1125899906842624" = 1/2251799813685248" = 1/4503599627370496" = 1/9007199254740992" = 1/18014398509481984" = 1/36028797018963968" = 1/72057594037927936" = 1/144115188075855872" = 1/288230376151711744" = 1/576460752303423488" = 1/1152921504606846976" = 1/2305843009213693952" = 1/4611686018427387904" = 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RECORD DRAWINGS
The Keating JV

- NOTES:
- 1 - ALL DUCT TO BE COMPLETED PER MECHANICAL CONSTRUCTION STANDARDS.
 - 2 - CIP = AIR TIGHT - DUCT = NO AIRLEAK LANE
 - 3 - VAVLES = AIR TIGHT - VAVLES LANE
 - 4 - VAVLES = AIR TIGHT - VAVLES LANE
 - 5 - VAVLES = AIR TIGHT - VAVLES LANE
 - 6 - VAVLES = AIR TIGHT - VAVLES LANE
 - 7 - VAVLES = AIR TIGHT - VAVLES LANE
 - 8 - VAVLES = AIR TIGHT - VAVLES LANE

AS BUILT	BLJ	01-11-11
S SIGN OFF	BLJ	06-27-06
A FOR APPROVAL	BLJ	06-27-06
FOR APPROVAL	BLJ	06-27-06

Advantage
CONTRACTING INC.

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Tel: 215-595-1400 Fax: 215-595-1401
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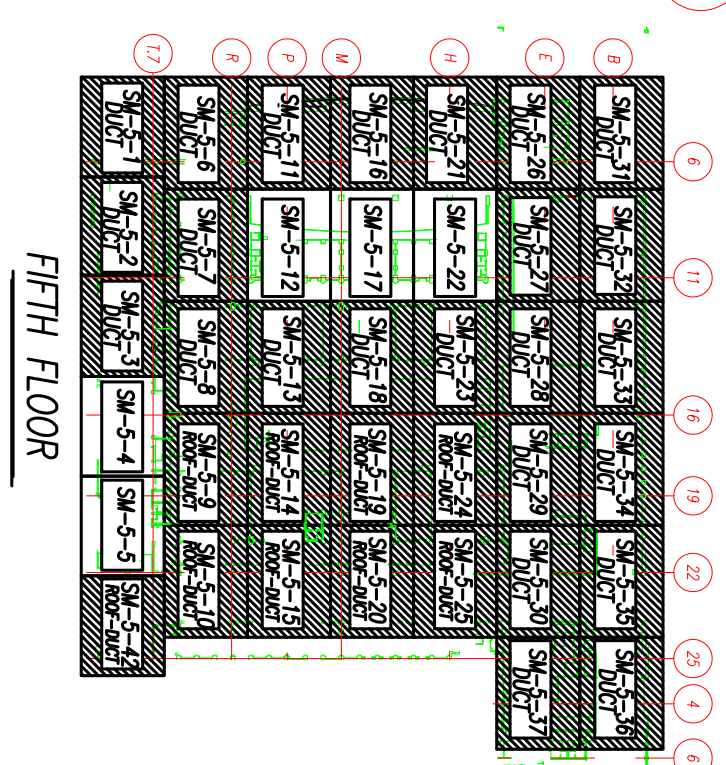
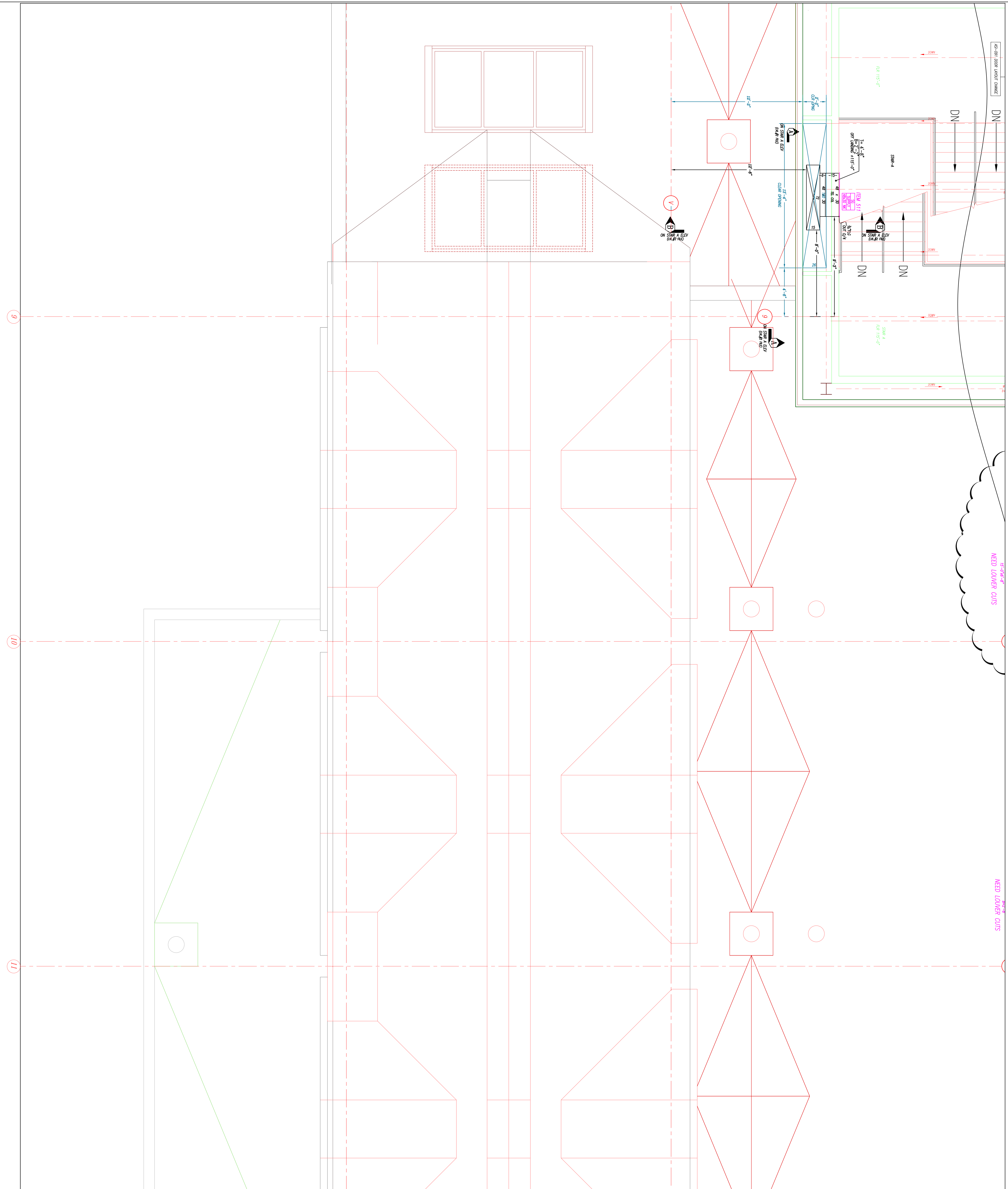
LEVEL 5 PARTIAL DUCT PLAN

REV: 06-27-06

DATE: 06-27-06

BY: BLJ

FOR: SM 3-19



RECORD DRAWINGS

The Keating JV

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Advantage
CONTRACTING CO. INC.

A Minority Owned Business Enterprise

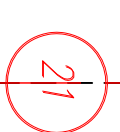
219 W. Horner Street • Philadelphia, PA 19119
Phone: 215-844-0191 Fax: 215-844-0192
www.advantagecontracting.com

DB
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PA CONVENTION
EXPA AND RENOVATION
CENTER

LEVEL 5 PARTIAL DUCT PLAN

TITLE	REVISED	DATE	BY	CHK	DATE
DESIGN - M202	100	01-11-07	86320		



RECORD DRAWINGS

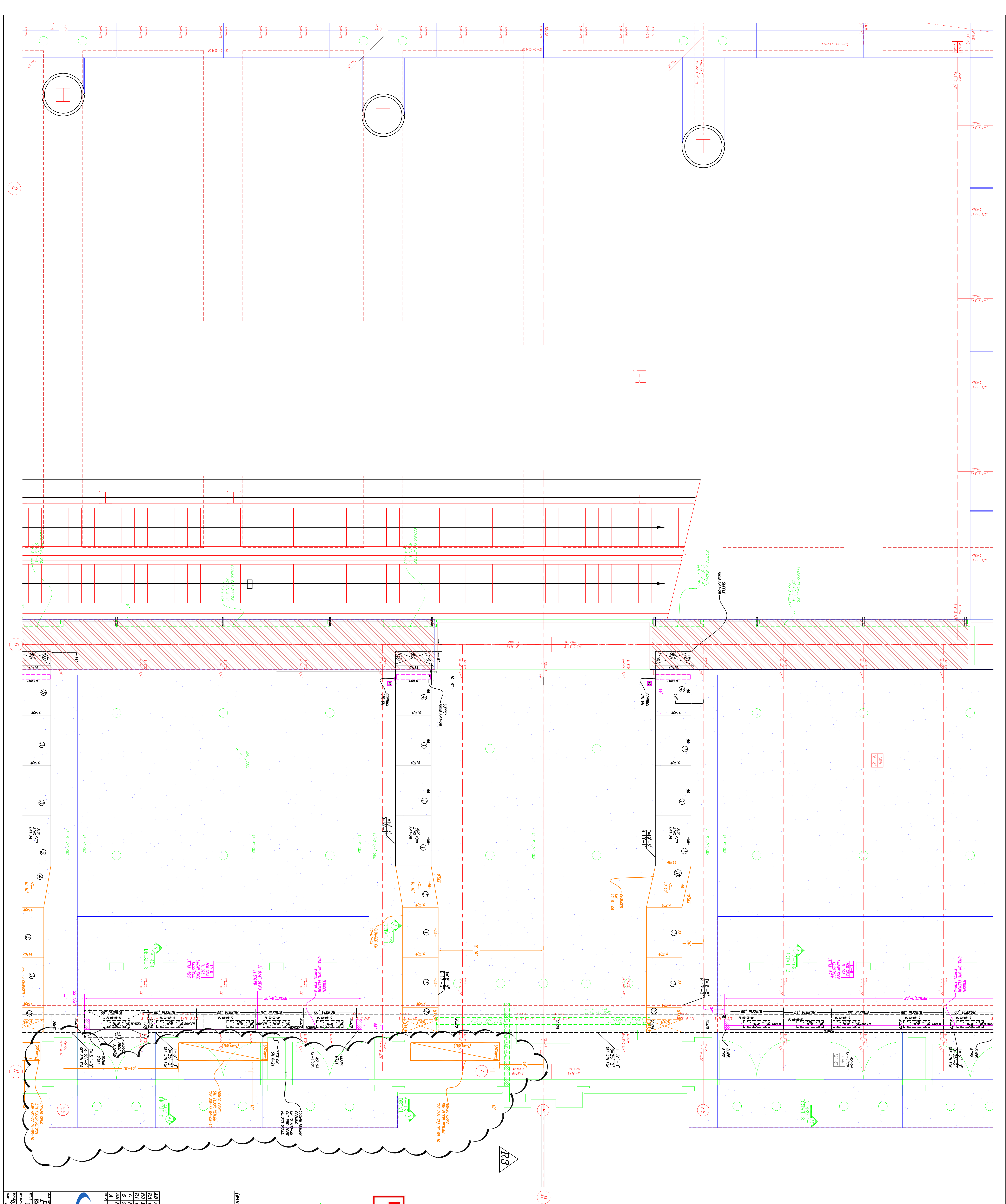
The Keating JV

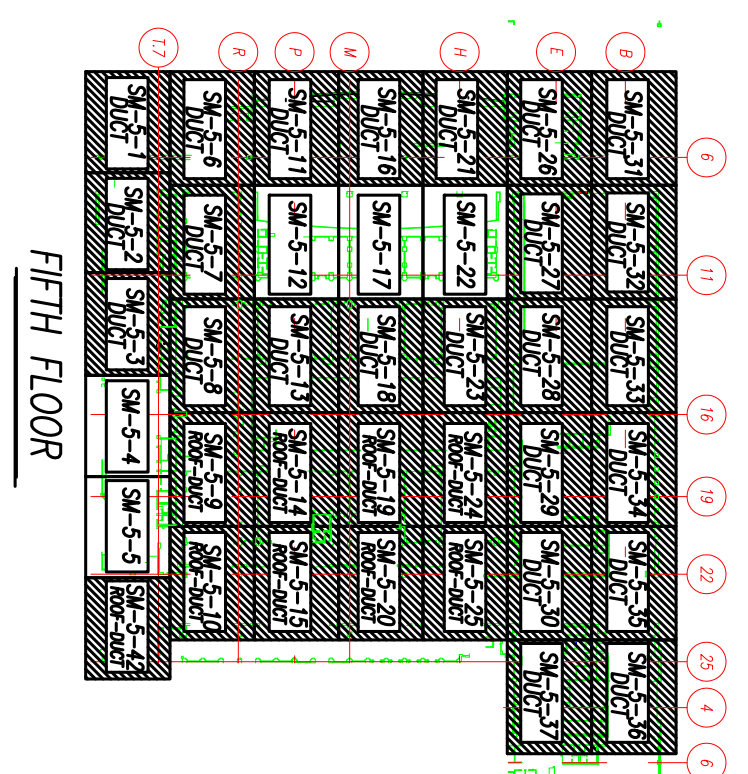
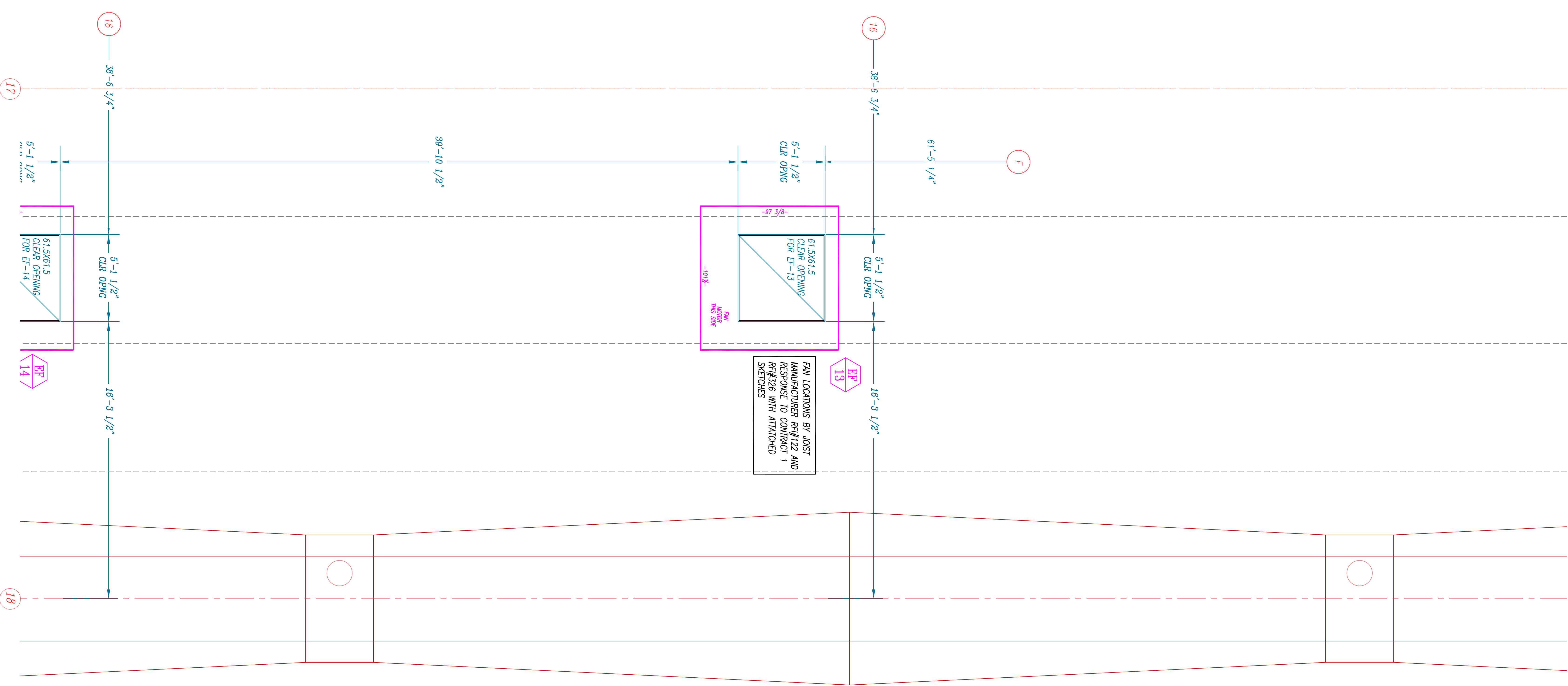
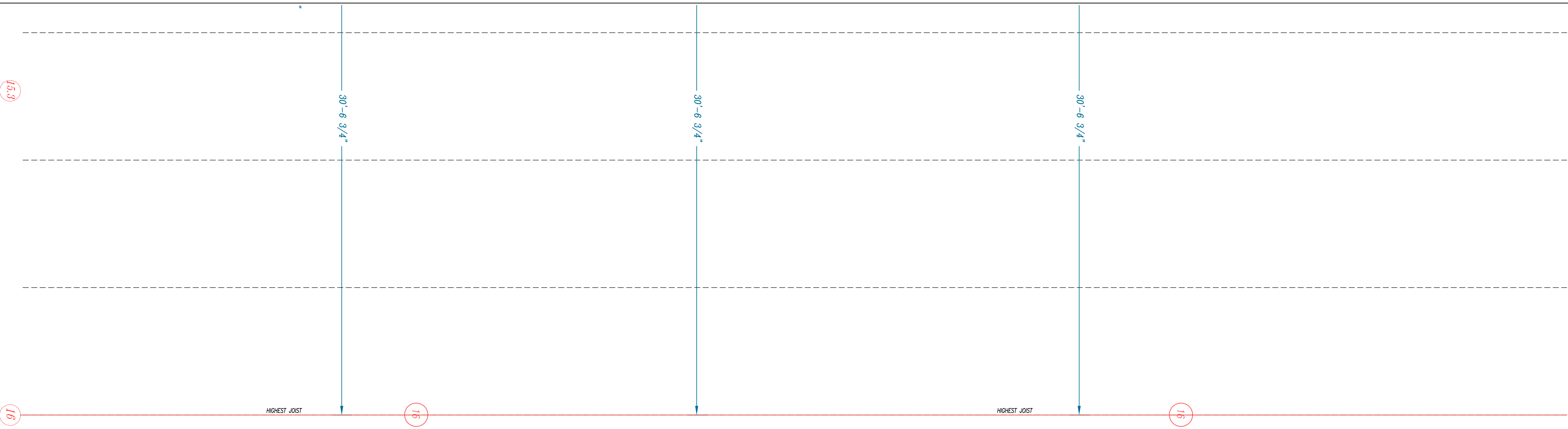
[illegible]

NOTES:

1. - I-20 IS TO BE FABRICATED PER SMOCK CONSTRUCTION STANDARDS.
2. - C-20 = AIR FLOW - ONLY, NO ACROSS LIVING
3. - T-PAID = AIR FLOW - "I" ACROSS LIVING
4. - C-20 = AIR FLOW - STAINLESS STEEL
5. - C-20 = AIR FLOW - ALUMINUM
6. - ∇ = K/S CORROSION OF DUCT
7. - If O-D = 10" OR DUCT ABOVE FINISHED FLOOR
Be O-T = BOTTOM OF DUCT ABOVE FINISHED FLOOR
8. - COORDINATION NOTE - ALLOW 2" ALL AROUND DUCT FOR FLAME PROTECTING AND INSULATION WHERE REQUIRED.

Advantage
CONTRACTING INC.
 A Minority Owned Business Enterprise
 210 W. Hunter Street • Philadelphia PA 19106
 Phone: 215-584-0191 F: 215-584-0192
www.advantagecontractors.com





RECORD DRAWINGS

The Keating JV

NOTES:

1. - ALL DUCT TO BE FABRICATED PER SUCHAN CONSTRUCTION STANDARDS
2. $\rightarrow$ = AIR FLOW - ONLY - NO ACROSS LINES
3. $\rightarrow$ + A/C = AIR FLOW - NO ACROSS LINES
4. $\rightarrow$ = AIR FLOW - STEELNESS TITEL
5. $\rightarrow$ = AIR FLOW - ALUMINUM
6. $\rightarrow$ = K/C CONSTRUCTION OF DUCT
7. $\rightarrow$ = TOP OF DUCT HOLES FINISHED FLOOR
8. $\rightarrow$ = BOTTOM OF DUCT HOLES FINISHED FLOOR

COORDINATION NOTE: - ALLOW 2" ALL AROUND DUCT FOR FLANGE COORDINATION AND FOR ELECTRICAL INSULATION WHERE REQUIRED

REV	AS BUILT	BLJ	01-11-1, 1
A	SIGN OFF	BLJ	06-27-0
	FOR APPROVAL	BLJ	06-18-0
		TRC	DATE

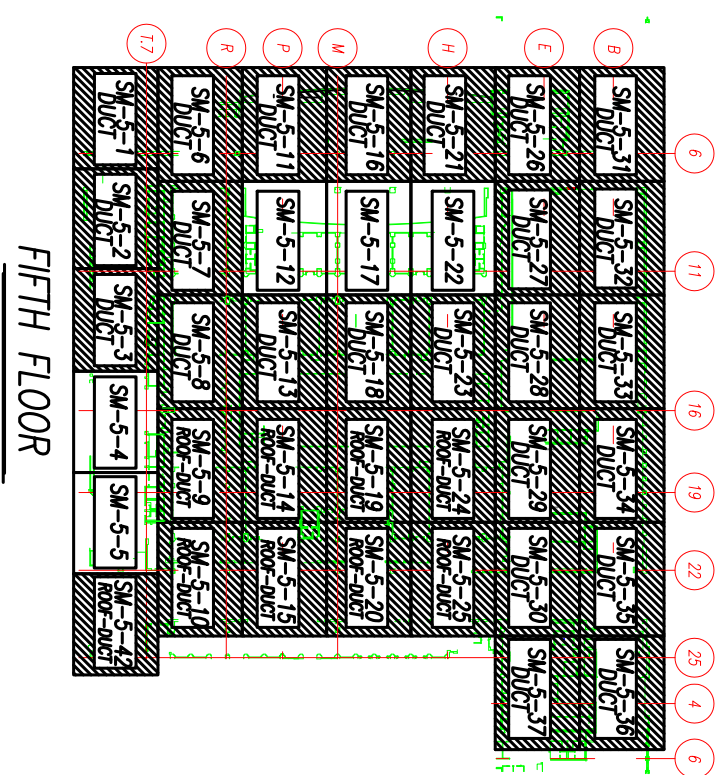
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www.advantagecontracting.com

PA CONVENTION CENTER
EXPANSION AND RENOVATION

TITLE		LEVEL 5 PARTIAL DUCT PLAN	
REF: DWG- M234	M233	DC. CLS.	
SCALE: 8" = 1'-0"		CR.	
DATE	06-12-09	BY	BLJ
		DATE	SM 5-24
		JOB NO.	8520



RECORD DRAWINGS

The Keating JV

The Keating JV

- NOTES:**
1. - ALL DUCT TO BE FABRICATED PER SMOKE CONCENTRATION STANDARDS
 2. - $\square$ = AIR FLOW - ONLY, NO ACROSS LAMING
 3. - ∇ = AIR FLOW - ACROSS LAMING
 4. - $\square$ = AIR FLOW - STAINLESS STEEL
 5. - $\square$ = AIR FLOW - ALUMINUM
 6. - ∇ = K.G. CONSTRUCTION OF DUCT
 7. - $\square$ = TOP OF DUCT ROOF FINISHED FLOOR
 8. - $\square$ = BOTTOM OF DUCT ROOF FINISHED FLOOR
- COORDINATING NOTE:** - ALL FLOW DUCT PER PLANCE CONSTRUCTION AND FOR ELEVATION, INSULATION AND/OR COATING AND FOR ELEVATION, INSULATION AND/OR COATING WHERE REQUIRED.

AB	AS BUILT	EG	01-11-1
S	SIGN OFF	EG	08-27-0
A	FOR APPROVAL	BLJ	06-18-0
REV	DESCRIPTION	BL	DATE



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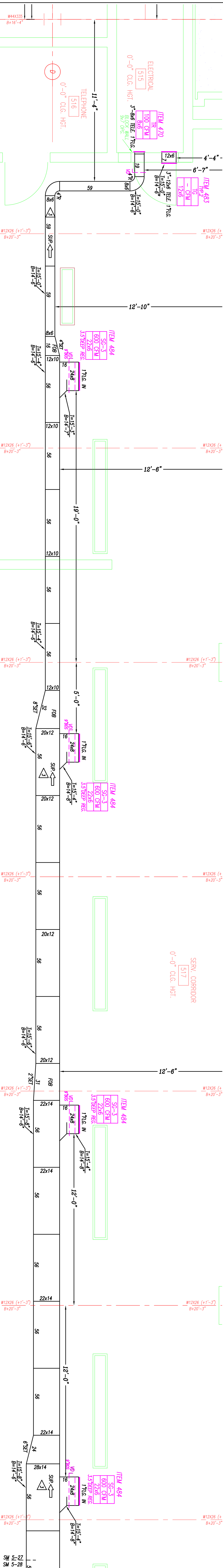
TITLE: LEVEL 5 PARTIAL DUCT PLAN

DATE: 12/24/04

PROJECT NO.: M25323-01

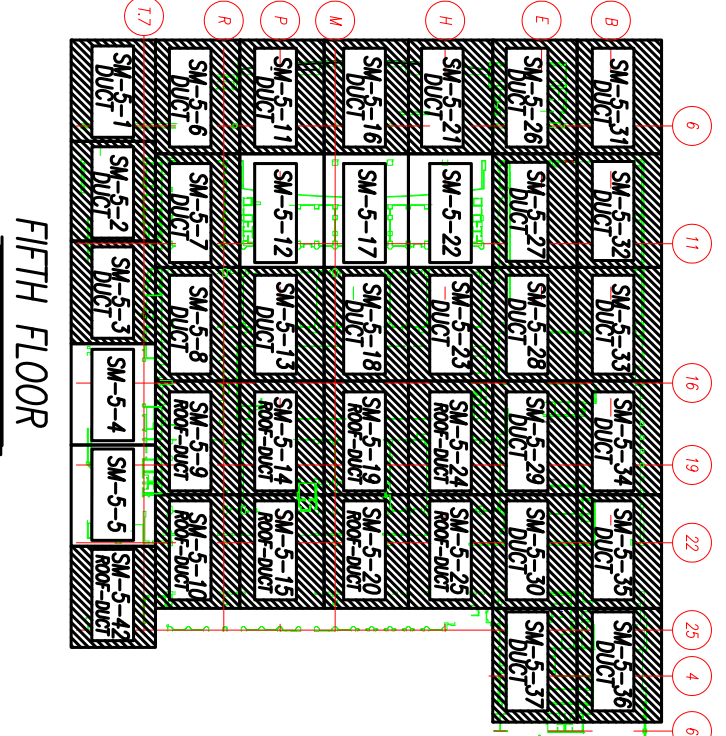
DATE: 06-18-09

BY	DATE	BY	DATE
<i>B/L</i>	06/18/09	<i>SM</i>	06/20/09
DATE: 06-18-09	DATE: 06-18-09	DATE: 06-18-09	DATE: 06-18-09



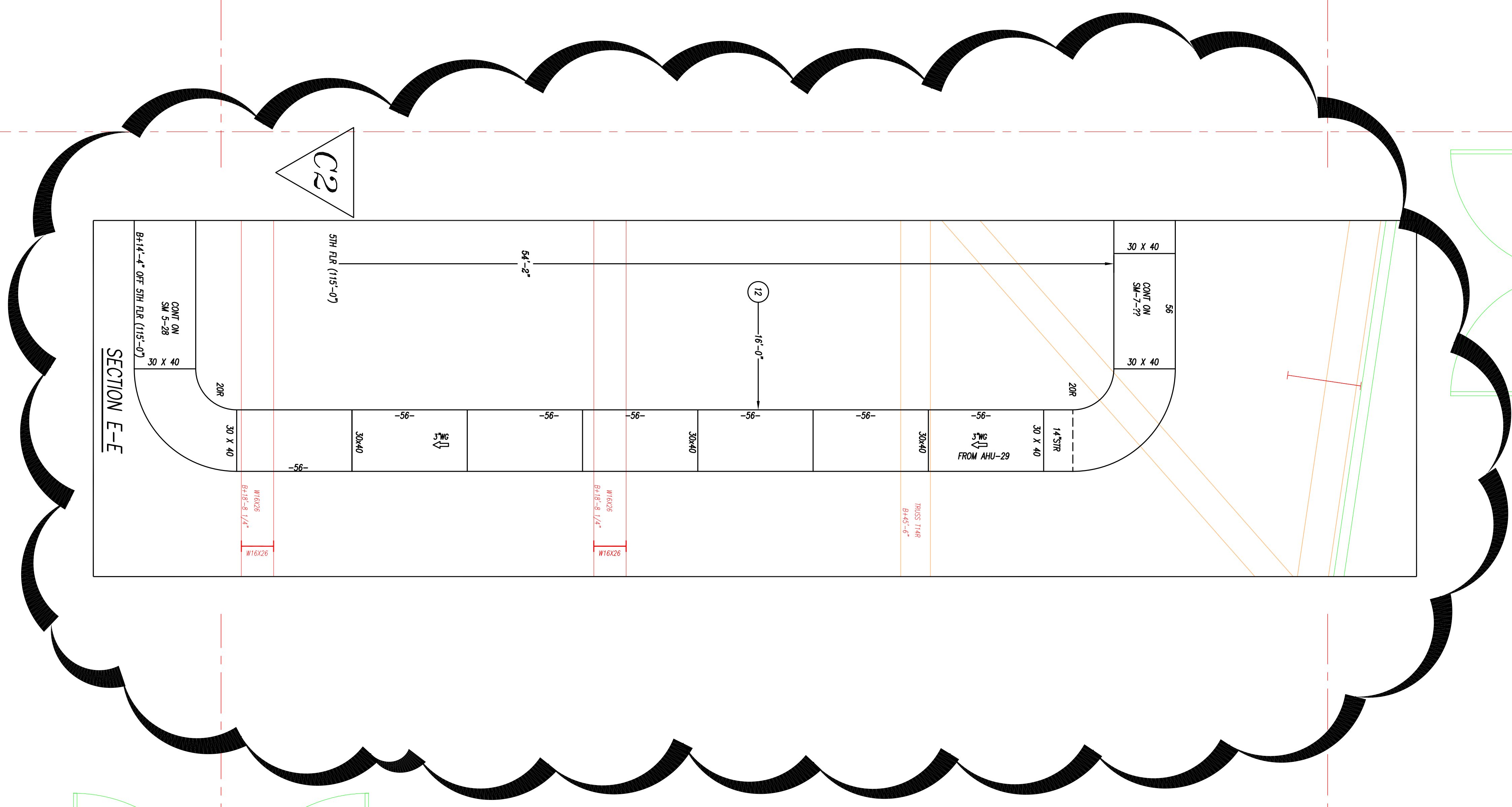
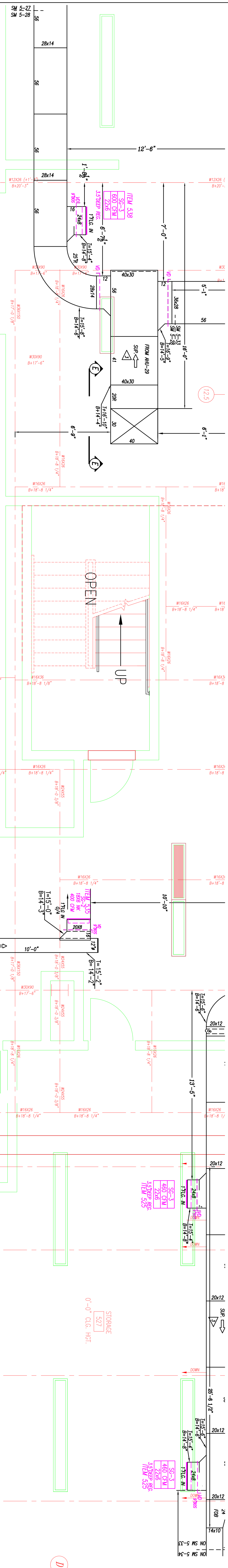
BALCONY
501
0'-0" CLS. HGT.

RECORD DRAWINGS
The Keating JV



NOTES:

- ALL WORK TO BE COMPLETED PER SHOWN CONSTRUCTION STANDARDS.
- 1'-0" = 1/4" = 1/8" = 1/16" = 1/32" = 1/64" = 1/128" = 1/256" = 1/512" = 1/1024" = 1/2048" = 1/4096" = 1/8192" = 1/16384" = 1/32768" = 1/65536" = 1/131072" = 1/262144" = 1/524288" = 1/1048576" = 1/2097152" = 1/4194304" = 1/8388608" = 1/16777216" = 1/33554432" = 1/67108864" = 1/134217728" = 1/268435456" = 1/536870912" = 1/1073741824" = 1/2147483648" = 1/4294967296" = 1/8589934592" = 1/17179869184" = 1/34359738368" = 1/68719476736" = 1/137438953472" = 1/274877906944" = 1/549755813888" = 1/1099511627776" = 1/2199023255552" = 1/4398046511104" = 1/8796093022208" = 1/17592186044416" = 1/35184372088832" = 1/70368744177664" = 1/140737488355328" = 1/281474976710656" = 1/562949953421312" = 1/1125899906842624" = 1/2251799813685248" = 1/4503599627370496" = 1/9007199254740992" = 1/18014398509481984" = 1/36028797018963968" = 1/72057594037927936" = 1/144115188075855872" = 1/288230376151711744" = 1/576460752303423488" = 1/1152921504606846976" = 1/2305843009213693952" = 1/4611686018427387904" = 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AB	AS BUILT	EG	08-03-10
B1	REVISED FOR GRDS	BG	08-03-10
C2	FOR CONSTRUCTION (REV RISER)	EG	10-30-09
S	SIGN OFF	BG	10-30-09
C	FOR CONSTRUCTION	BG	08-04-09
A	FOR APPROVAL	BLJ	07-17-09
REV	REVISION	RC	DATE

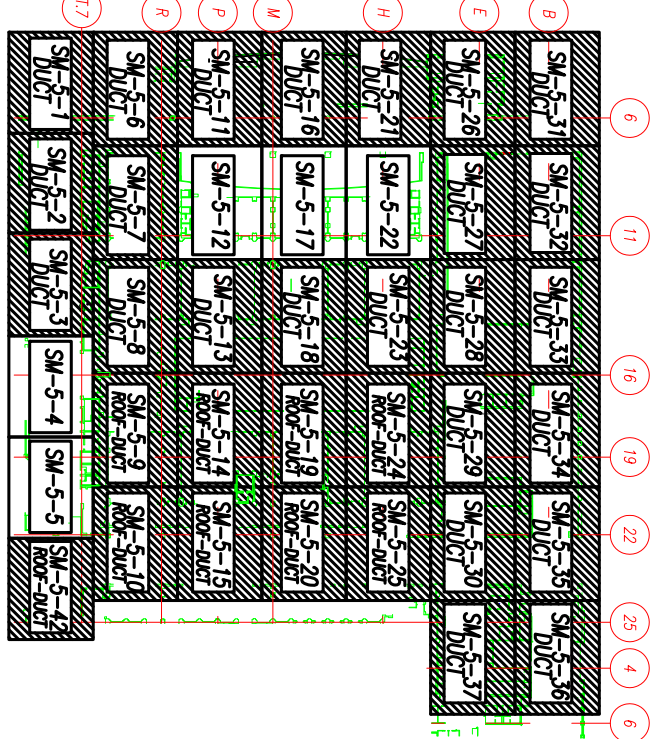
NOTES:
1. - ALL DOCT TO BE PROTECTED PER BAYCON CONSTRUCTION STANDARDS.
2. - $\Rightarrow$ AIR FLOW - DUCT - NO ACROSS LIVING
3. - $\Rightarrow$ AIR FLOW - $\Rightarrow$ ACROSS LIVING
4. - $\Rightarrow$ AIR FLOW - STAINLESS STEEL
5. - $\Rightarrow$ AIR FLOW - ALUMINUM
6. - $\Rightarrow$ AIR CONSTRUCTION OF DUCT
7. - To 0-0 - 1" OF DUCT ABOVE FINISHED FLOOR
8. - 0-0 - 0" = BOTTOM OF DUCT ABOVE FINISHED FLOOR
9. - $\Rightarrow$ ALL DOCT TO BE PROTECTED PER BAYCON CONSTRUCTION STANDARDS.
10. - ALL DOCT TO BE PROTECTED PER BAYCON CONSTRUCTION STANDARDS.

FIFTH FLOOR

The floor plan shows a grid of rooms. The rooms are numbered as follows:

- Room 501: 501
- Room 502: 502
- Room 503: 503
- Room 504: 504
- Room 505: 505
- Room 506: 506
- Room 507: 507
- Room 508: 508
- Room 509: 509
- Room 510: 510
- Room 511: 511
- Room 512: 512
- Room 513: 513
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- Room 554: 554
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- Room 558: 558
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- Room 561: 561
- Room 562: 562
- Room 563: 563
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- Room 580: 580
- Room 581: 581
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- Room 599: 599
- Room 600: 600
- Room 601: 601
- Room 602: 602
- Room 603: 603
- Room 604: 604
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RECORD DRAWINGS
The Keating JV



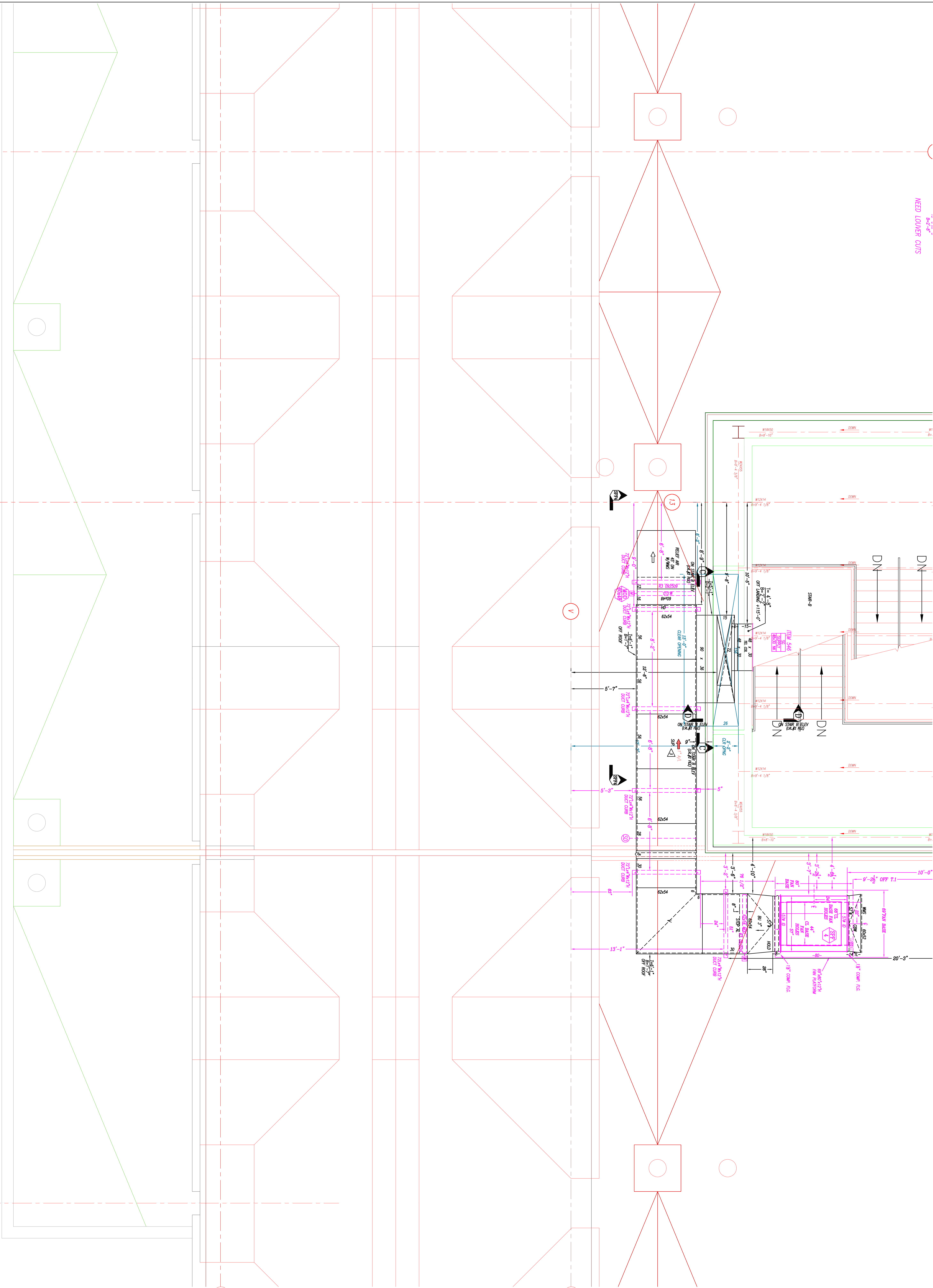
RECORD DRAWINGS
The Testing JV

NOTES:
1 - ALL WORK TO BE COMPLETED BY 10/1/2020
2 - ALL WORK TO BE COMPLETED BY 10/1/2020
3 - ALL WORK TO BE COMPLETED BY 10/1/2020
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10 - ALL WORK TO BE COMPLETED BY 10/1/2020

AS BUILT	BY	DATE
REVISION FOR GBS	BY	DATE
SIGN OFF (REV-1 SPRINKLER)	BY	DATE
SIGN OFF	BY	DATE
FOR CONSTRUCTION	BY	DATE
FOR APPROVAL	BY	DATE

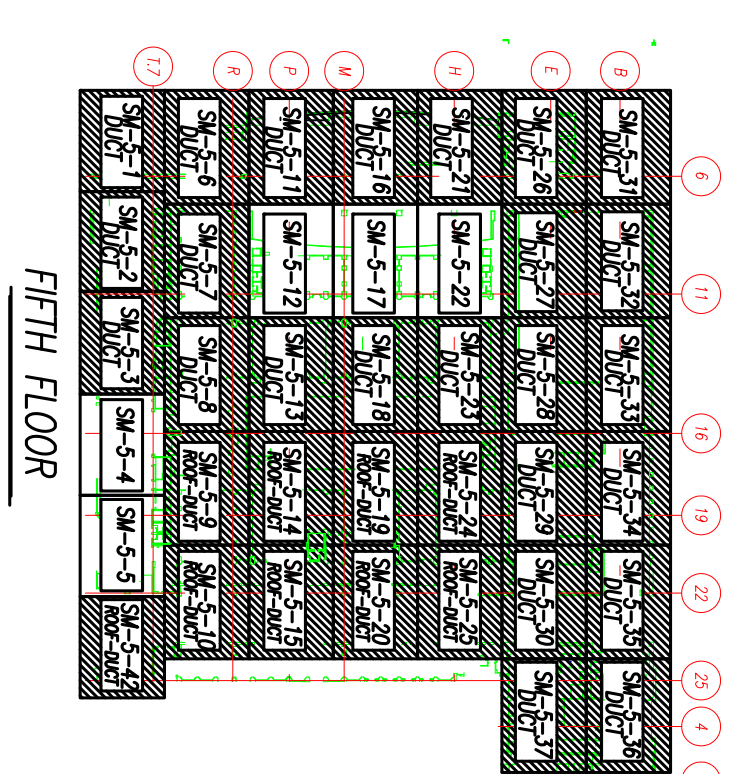
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EXPANSION AND RENOVATION
LEVEL 5 PARTIAL DUCT PLAN
REVISED 10/1/2020
BY BJL

NEED LOWER CUTS



RECORD DRAWINGS

The Keating JV



- NOTES:**
1. - ALL DOCT TO BE FABRICATED PER SHAWM CONSTRUCTION STANDARD
 2. - Δ = AIR FLOW - ONLY - NO ACOUST LINING
 3. - ∇ = AIR FLOW - ∇ = ACOUST LINING
 4. - $\rightarrow$ = AIR FLOW - SMOOTHNESS STEEL
 5. - $\leftarrow$ = AIR FLOW - ALUMINUM
 6. - $\triangleleft$ = KIC CONSTRUCTION OF DOCT
 7. - $\frac{1}{2}$ O.D. = TOP OF DOCT ABOVE FINISHED FLOOR
 8. - $\frac{1}{2}$ O.D. = BOTTOM OF DOCT ABOVE FINISHED FLOOR
- COORDINATION NOTE - ALLOW 2" ALL AROUND DOCT FOR LAMINATE COATING AND FOR EXTERNAL INSULATION WHERE REQUIRED.

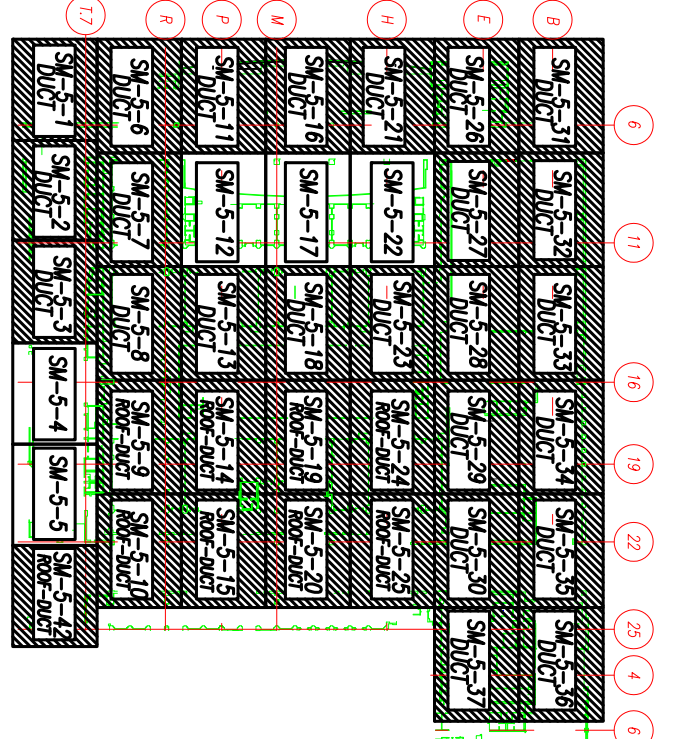
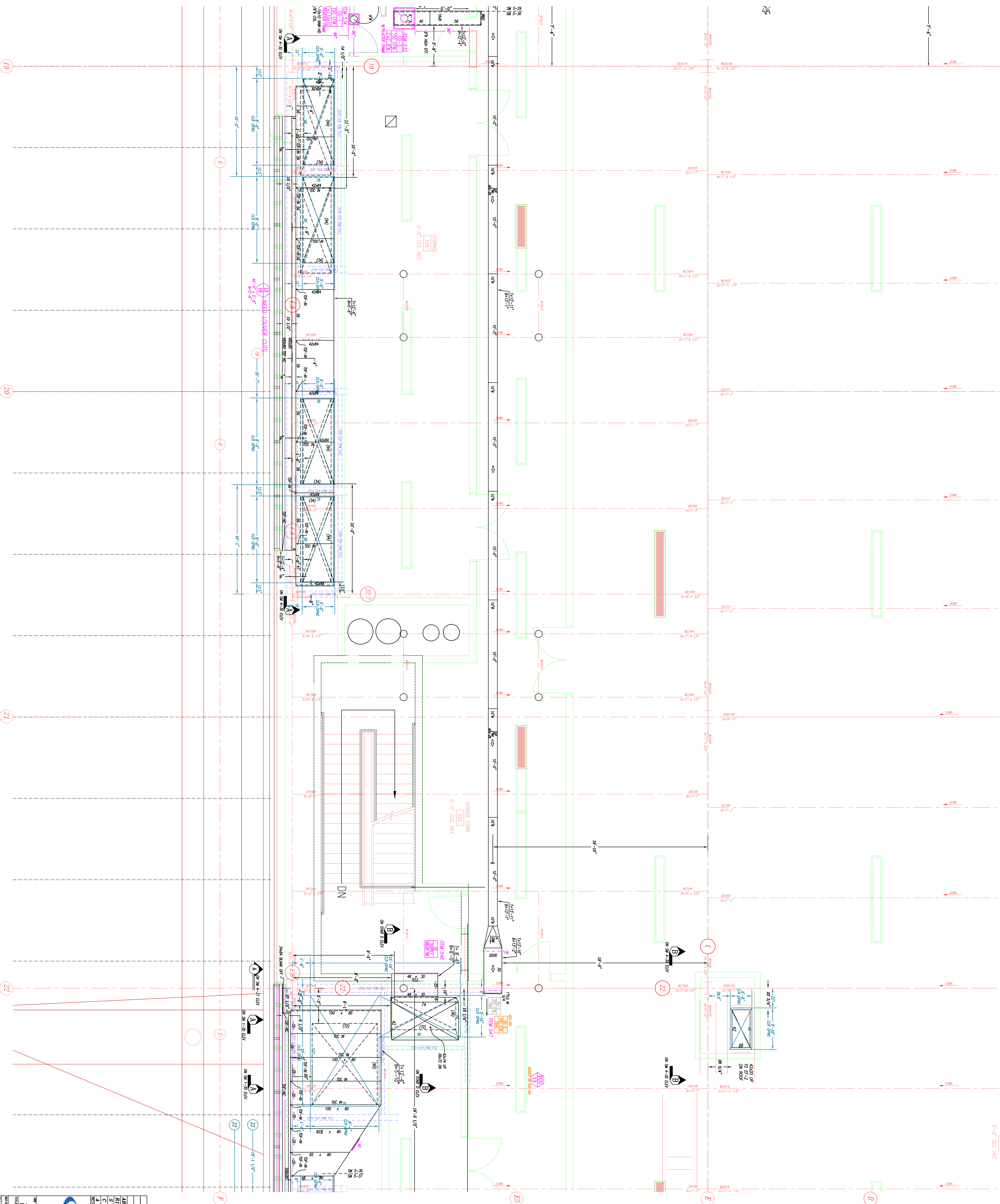
REV	DESCRIPTION	DATE
5	FOR APPROVAL	07-06-06
S	SIGN OFF	11-16-06
C	FOR CONSTRUCTION	12-18-06
R	REVISED FOR GRDS	02-08-07
AB	AS BUILT	02-02-07

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WINE LEVEL 5 PARTIAL DUCT PLAN

REF. IWC- <i>M252</i>	LOC. COL. S
SCALE $3/8"=1'-0"$	CH
	JOB NO. 8520



RECORD DRAWINGS

The Keating JV

NOTES:

1. - ALL DUCT TO BE FABRICATED PER SWISS CONSTRUCTION STANDARD

REV	DESCRIPTION	DATE
A	FOR APPROVAL	07-17
C	FOR CONSTRUCTION	08-06
S	SIGN OFF	10-03
R1	REVISED FOR GRDS	EC
AS	BUILT	08-06
AB		EC

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EXPANSION AND RENOVATION**

MEZ LEVEL 5 PARTIAL DUCT PLAN

DATE: 07-17-08
BY: BLD
JOB NO.: 0550
REV: 9-30

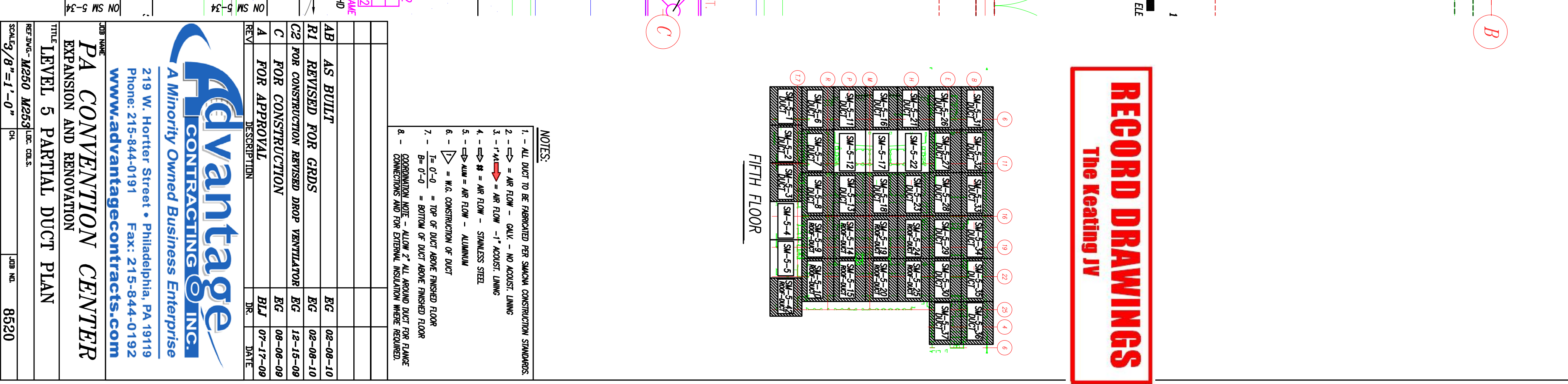
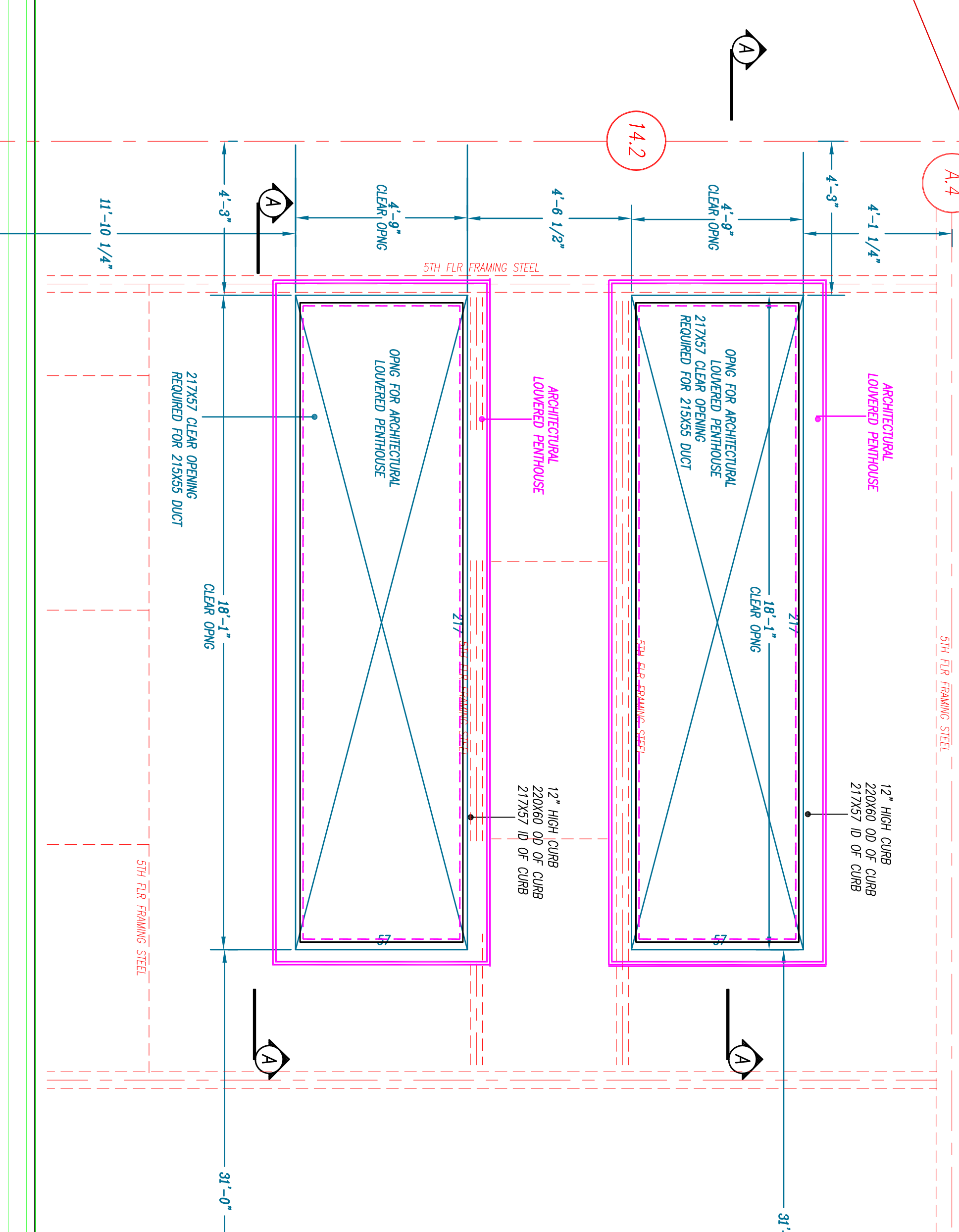


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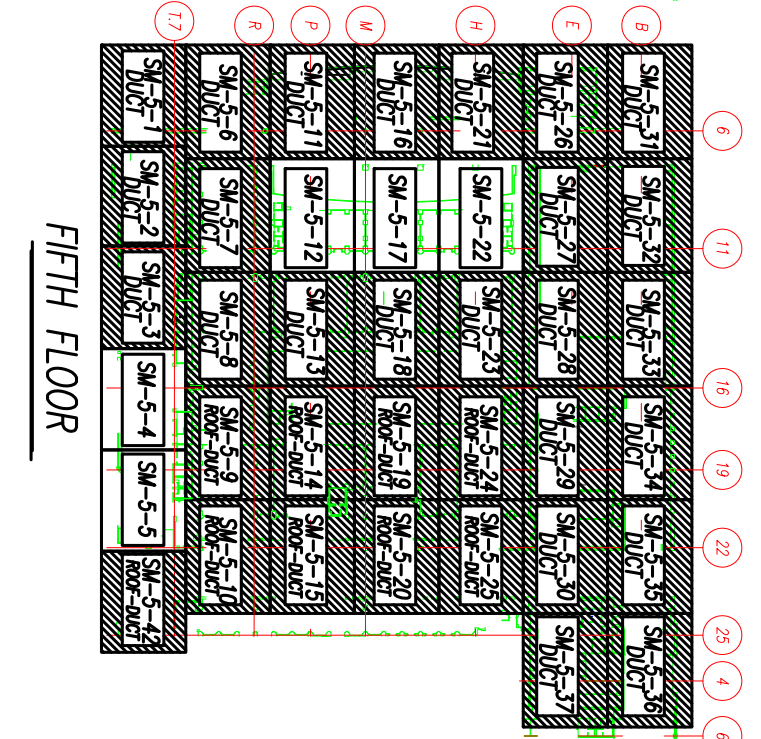
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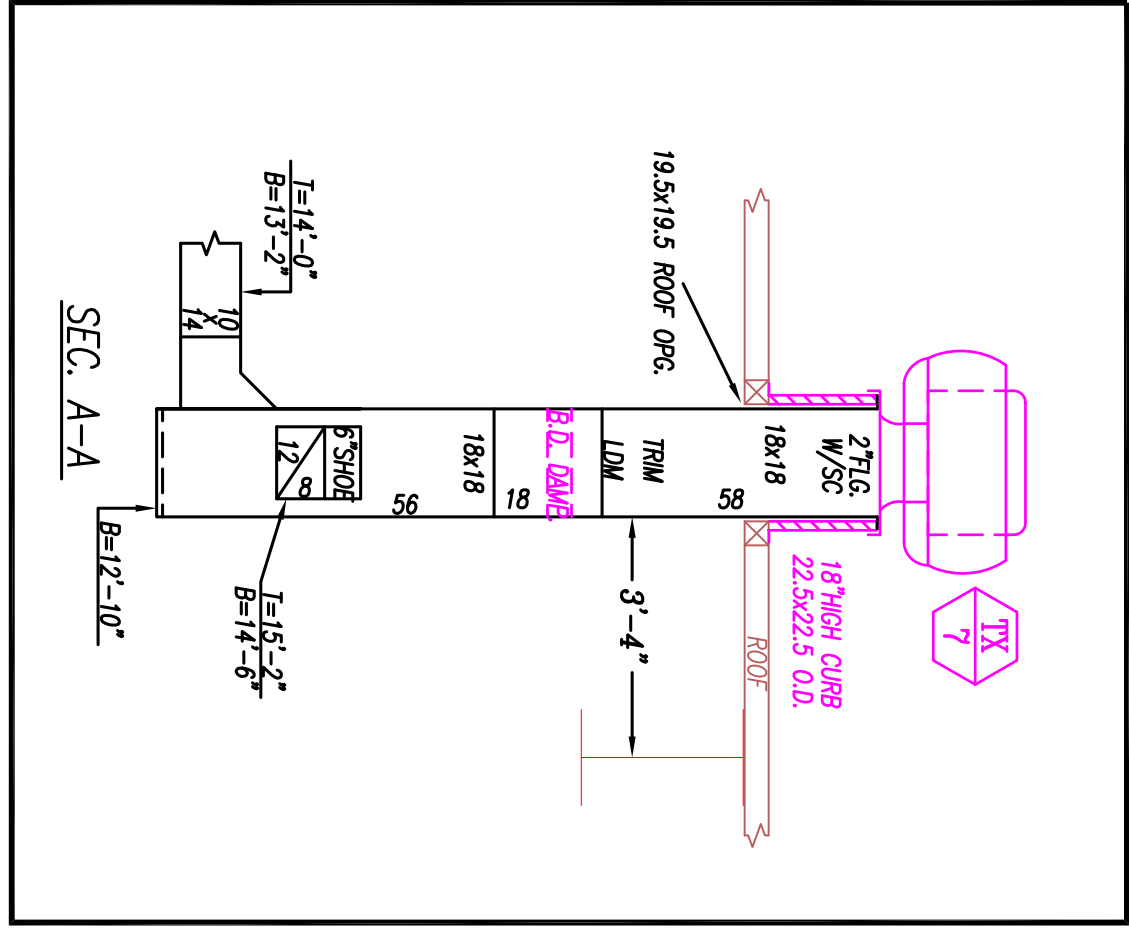
NOTES:

- 1 - ALL DOOR TO BE FABRICATED PER SIMON CONSTRUCTION STANDARDS.
- 2 - $\Rightarrow$ = AIR FLOW - OUT; - NO ACCESS LAMING
- 3 - $\Rightarrow$ = AIR FLOW - "T" ACCESS LAMING
- 4 - $\Rightarrow$ = $\Rightarrow$ = AIR FLOW - SMOKE TEST
- 5 - $\Rightarrow$ = AIR FLOW - ALUMINUM
- 6 - Δ = W/C CONSTRUCTION OF DOOR
- 7 - $I_{A=0.0}$ = TOP OF DOOR FRAME FINISHED FLOOR
 $I_{B=0.0}$ = BOTTOM OF DOOR FRAME FINISHED FLOOR
- 8 - COORDINATE WITH - ALLOW "T" ALL AROUND DOOR FOR LAMING CONNECTIONS AND TOP EXTENSION. INSULATION HERE REQUIRED.

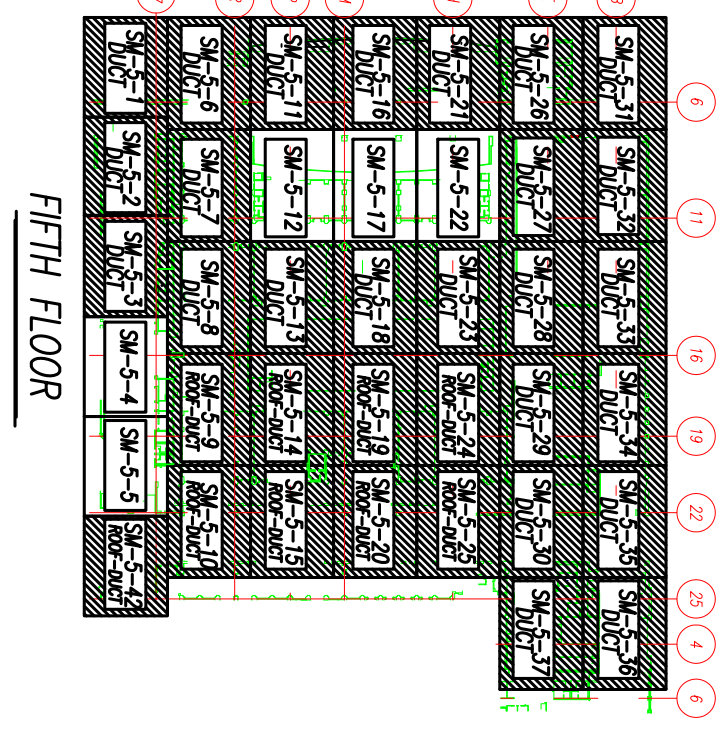


RECORD DRAWINGS

The Keating JV



RECORD DRAWINGS
The Keating JV



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WWW.ADVANTAGECONSTRUCTION.COM

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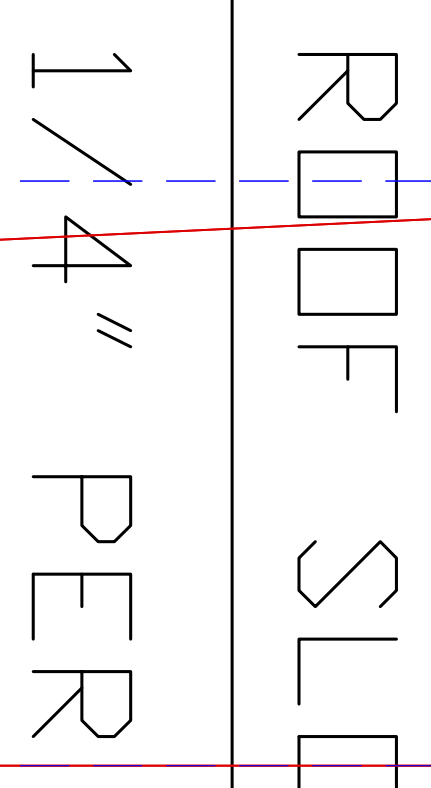
LEVEL 5 PARTIAL DUCT PLAN

REV	DATE	BY	CHK	DESCRIPTION
1	07-17-09	BJJ	SM	5-34

DATE: 07-17-09 BY: BJJ

NOTES:

- ALL WORK TO BE COMPLETED PER RECORD CONSTRUCTION DRAWINGS.
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The Keating JW

AB AS BUILT	EG	02-06-11
RI REVISED FOR GRDS	EG	02-06-11
C FOR CONSTRUCTION	EG	12-18-06
S SIGN OFF	EG	12-10-06
A FOR APPROVAL (SUBMIT AS 1-6 REV)	EG	01-29-06
REV	DESCRIPTION	DATE
	PR	

NOTES:

1. - ALL DUCT TO BE FABRICATED PER SAMEAN CONSTRUCTION STANDARDS
2. - $\square$ = AIR FLOW - ONLY, NO ACROSS LAMING
3. - ∇ = AIR FLOW - AIR FLOW - 1" ACROSS LAMING
4. - $\square$ = AIR FLOW - STEELNESS TITEL
5. - $\square$ = AIR FLOW - ALUMINUM
6. - ∇ = K/C CONSTRUCTION OF DUCT
7. - $\square$ = TOP OF DUCT ABOVE FINISHED FLOOR
8. - ∇ = BOTTOM OF DUCT ABOVE FINISHED FLOOR

CONSTRUCTION NOTE - ALL AIR FLOW DUCT FOR PLUMBING CONNECTIONS AND FOR ELECTRICAL INSULATION WAREHOUSE REQUIRED.

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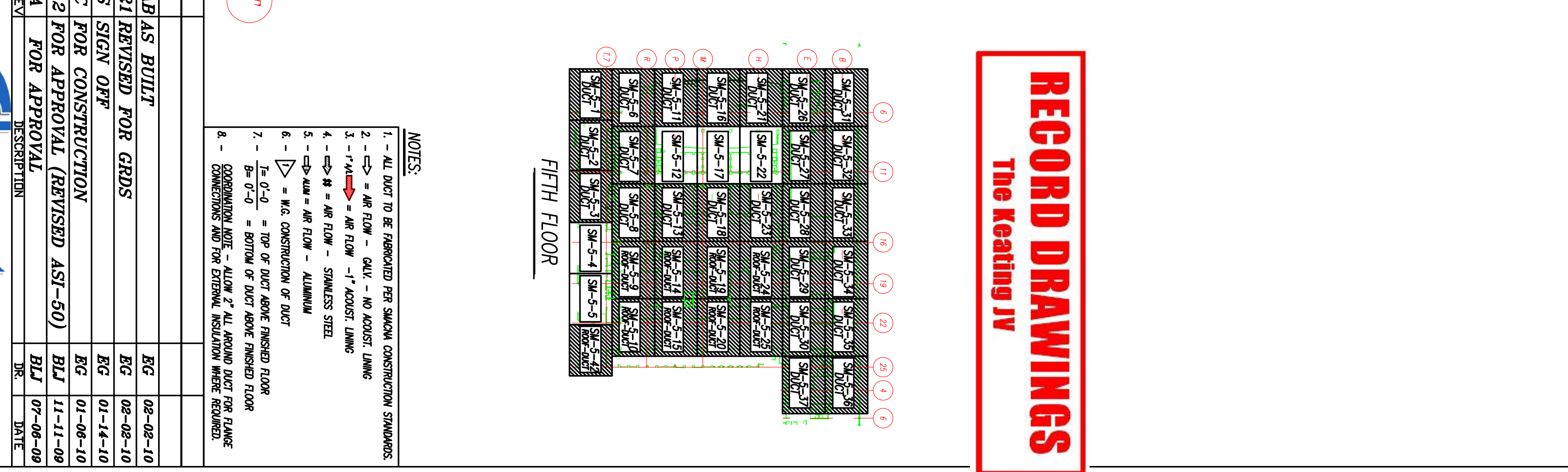
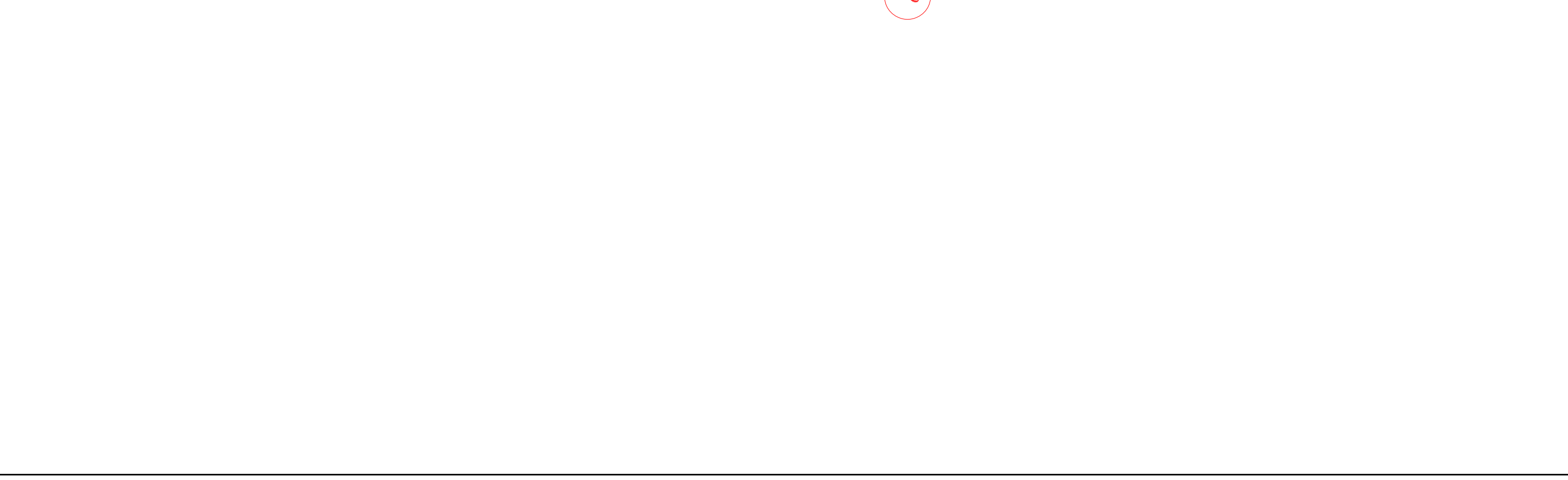
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2008

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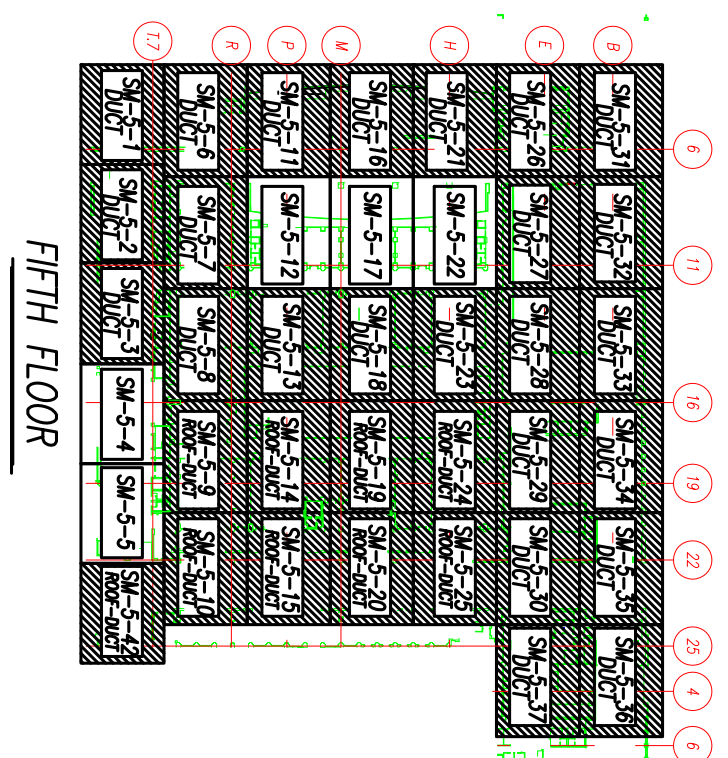
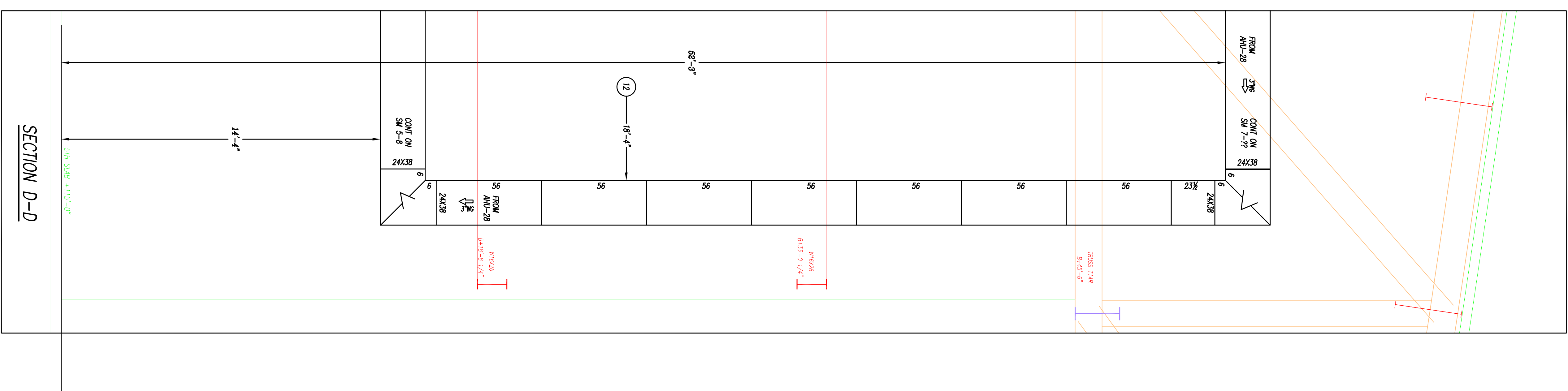
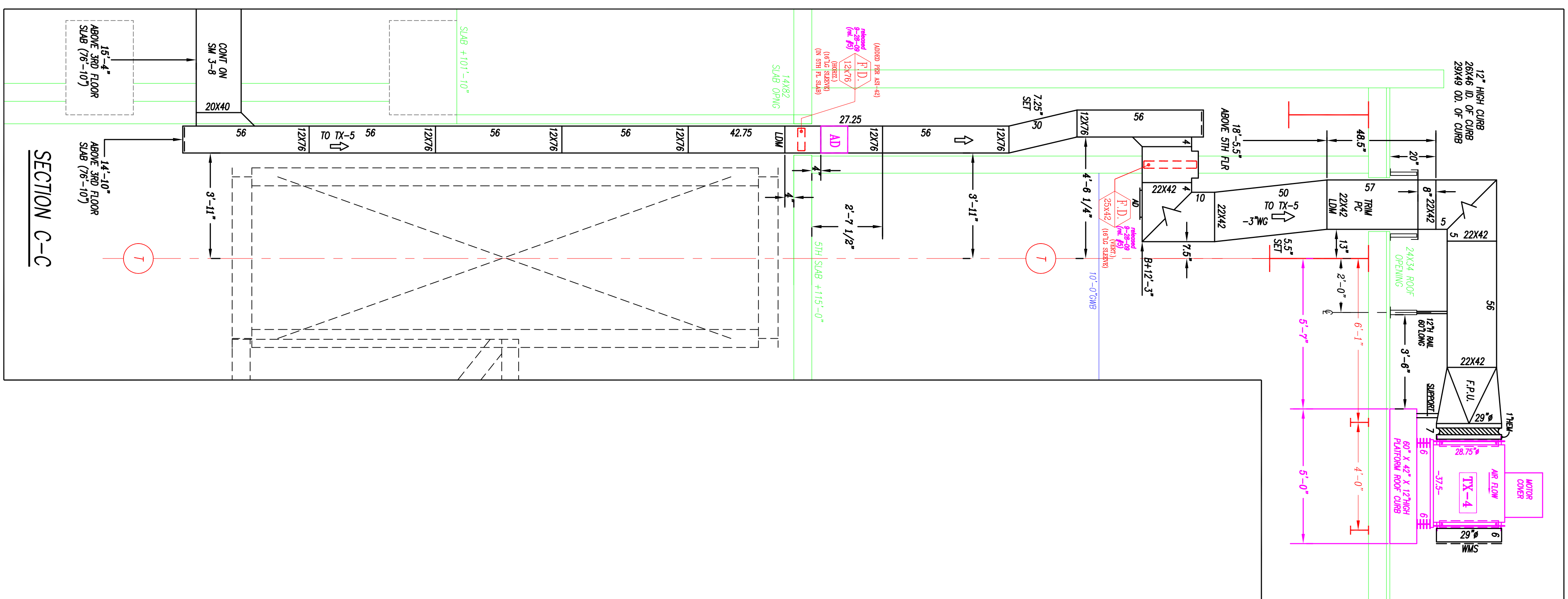
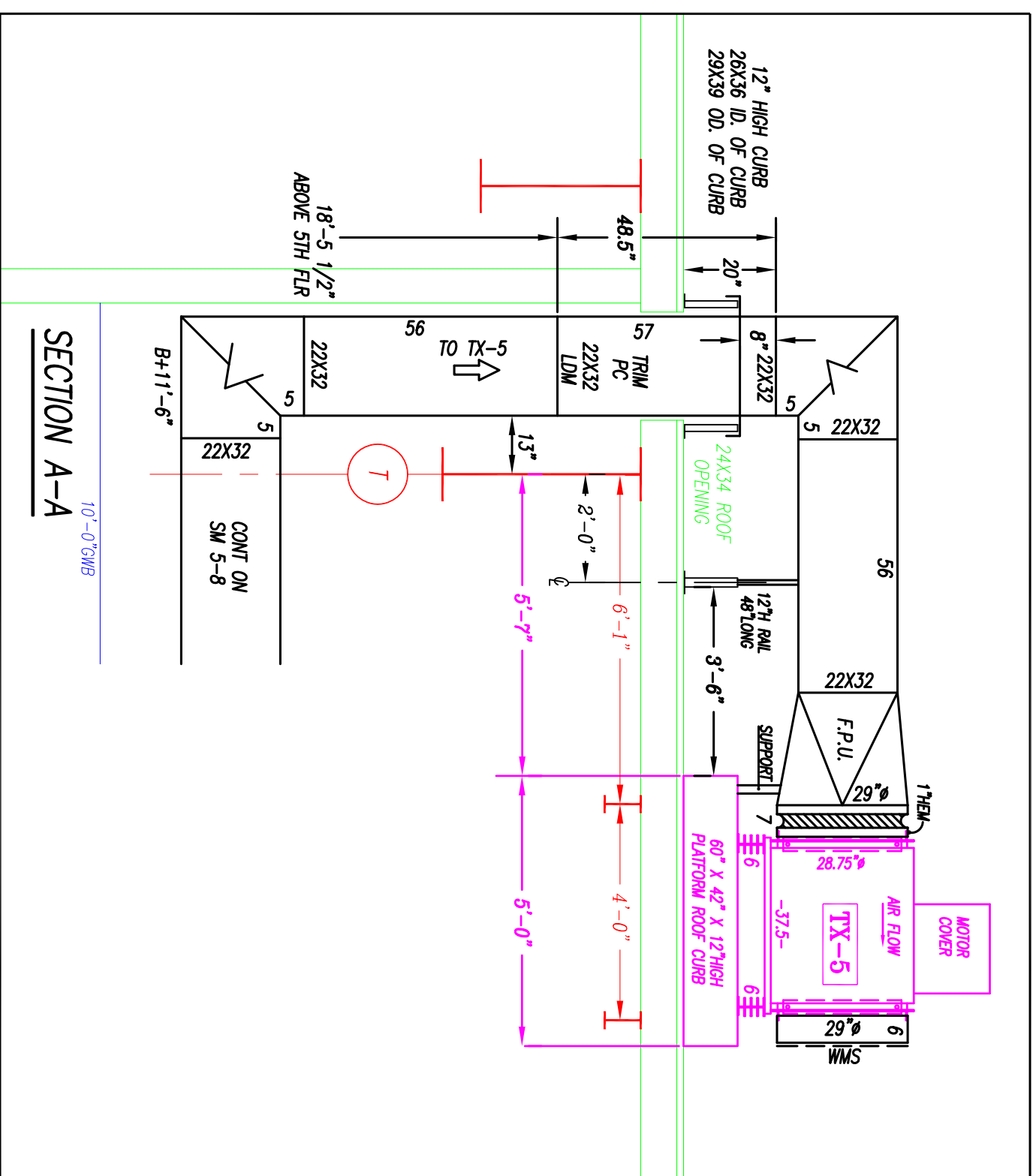
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7TH FLOOR

NOTES	
1.	ALL ACTS TO BE FORWARDED FOR SIGNATURE CONCERNING SIGNATURES.
2.	ALL ACTS TO BE FORWARDED FOR SIGNATURE CONCERNING SIGNATURES.
3.	1. $\rightarrow$

	
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PA CONVENTION CENTER EXPANSION AND RENOVATION	
LEVEL 5 PARTIAL DUCT PLAN	
TITLE	DATE
REVISED - M-202	DATE
3/26/02 = -10"	DATE
8620	8620



RECORD DRAWINGS

The Keating JV

The Keating JW

NOTES:

1. - ALL DUCT TO BE INSULATED PER SMOKE CONSTRUCTION STANDARDS
2. - $\Rightarrow$ AIR FLOW - DUCT - NO ACCESS LANE
3. - $\Rightarrow$ $\Rightarrow$ AIR FLOW - AIR FLOW - NO ACCESS LANE
4. - $\Rightarrow$ $\Rightarrow$ AIR FLOW - AIR FLOW - NO ACCESS LANE
5. - $\Rightarrow$ $\Rightarrow$ AIR FLOW - AIR FLOW - NO ACCESS LANE
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7. - $\Rightarrow$ $\Rightarrow$ AIR FLOW - AIR FLOW - NO ACCESS LANE
8. - $\Rightarrow$ $\Rightarrow$ AIR FLOW - AIR FLOW - NO ACCESS LANE

AB	AS BUILT	EG
C	FOR CONSTRUCTION	EG
A	FOR APPROVAL	BJL
REV	DESCRIPTION	DATE

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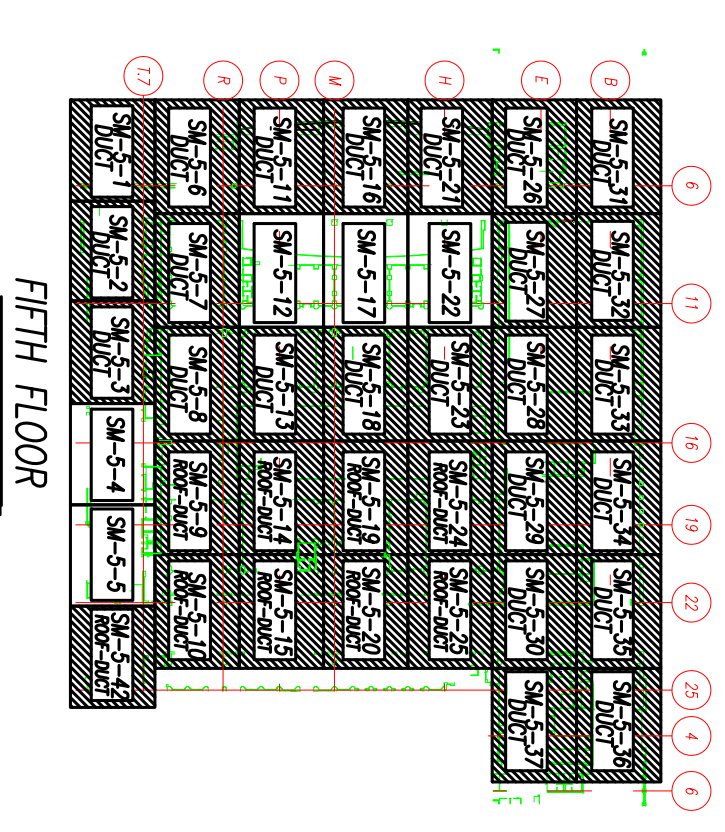
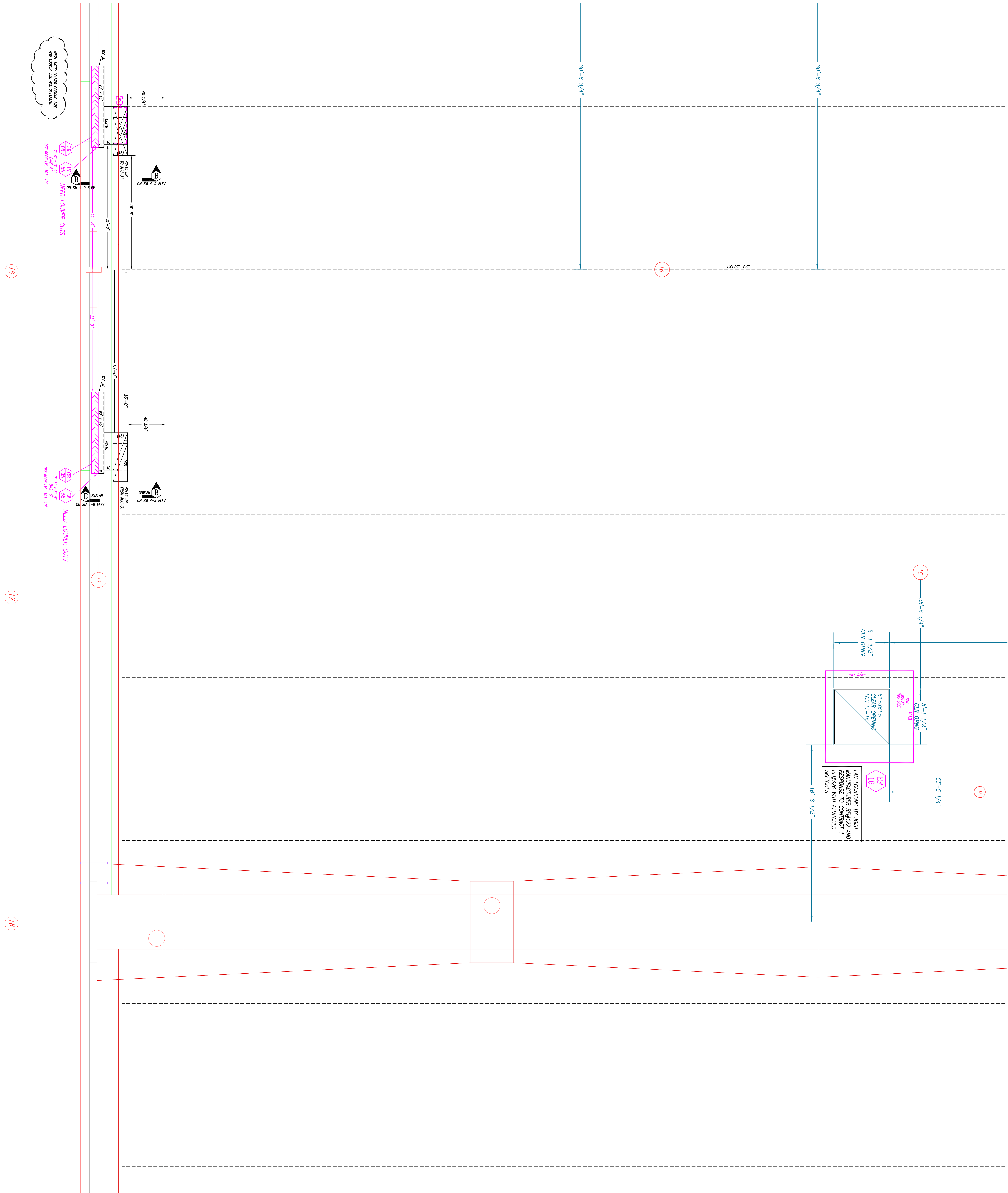
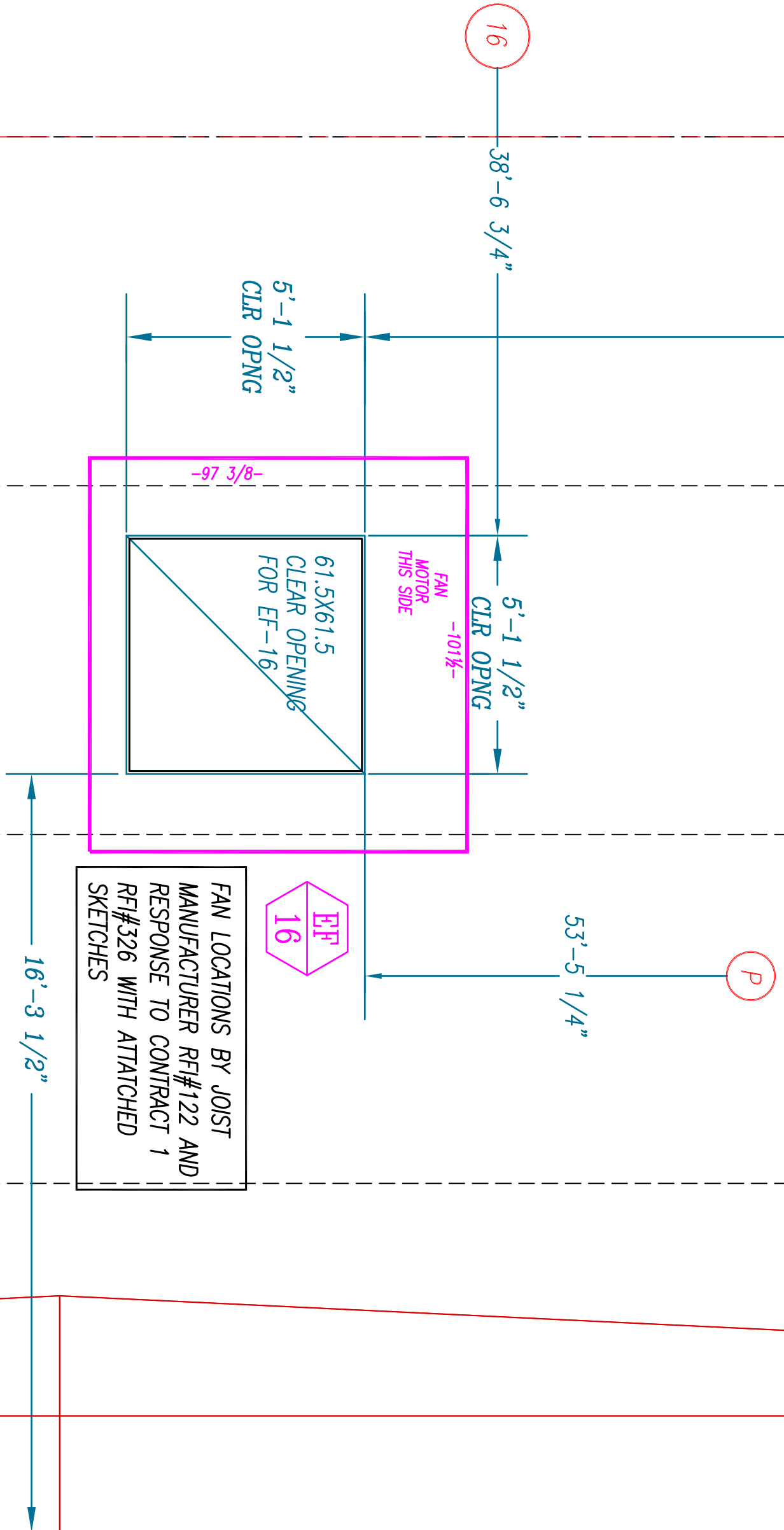
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PA CONVENTION CENTER
EXPANSION AND RENOVATION

2007

TITLE		LEVEL 5 PARTIAL DUCT PLAN	
REF. DUCT	SM 5-8	LOC. CLAS.	AS NOTED
DOUG/8"±1'-0"	CH	DOB NO.	8520
DATE	06-12-09	DR.	BLJ
		DWG. NO.	SM 5-8 ELEV



RECORD DRAWINGS
The Leading JV

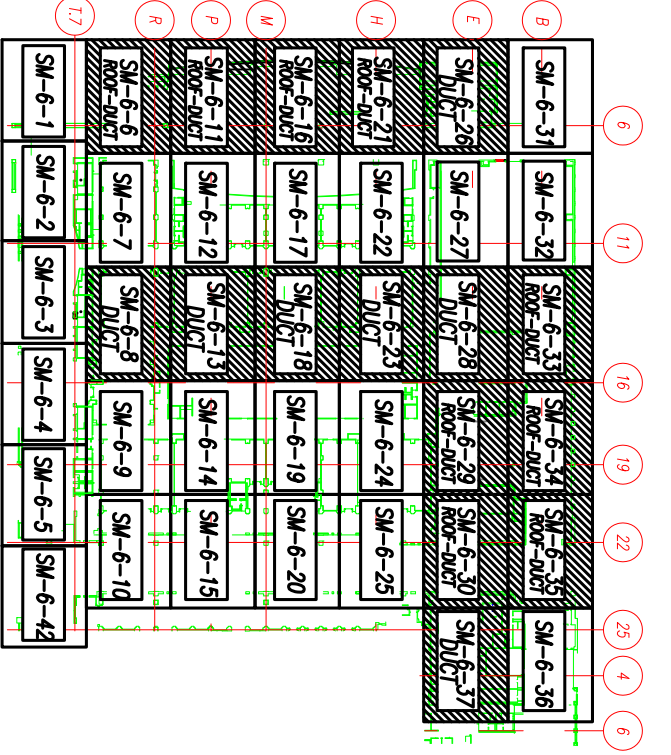
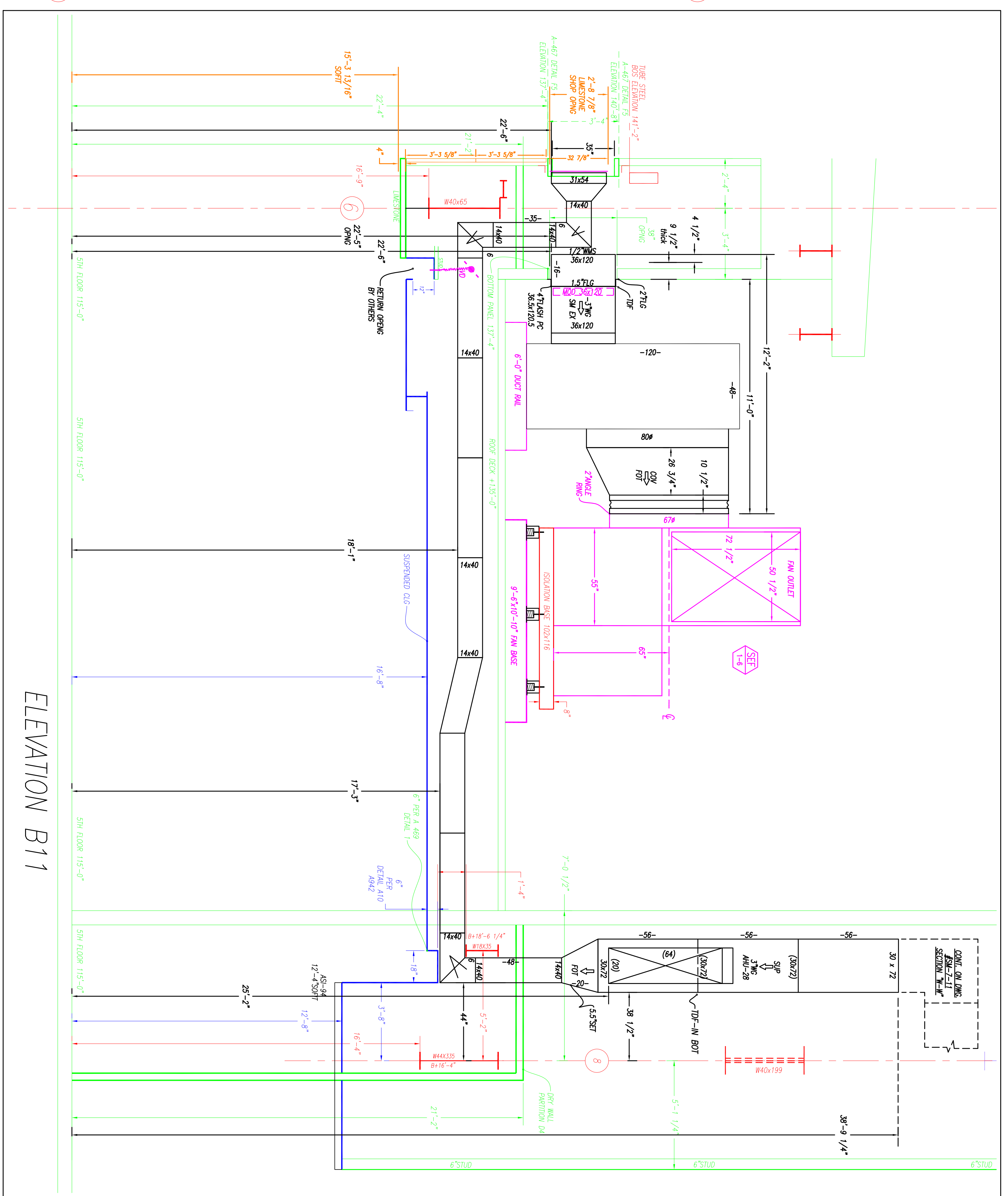
NOTES:
1 - ALL DUCT TO BE CONFORMED TO SHOWN CONSTRUCTION STANDARDS.
2 - CH = AIR DUCT - DUCT - NO AIRSIDE LANE
3 - V-VALVE = AIR DUCT - V-VALVE LANE
4 - V-VALVE = AIR DUCT - V-VALVE LANE
5 - V-VALVE = AIR DUCT - V-VALVE LANE
6 - V-VALVE = AIR DUCT - V-VALVE LANE
7 - V-VALVE = AIR DUCT - V-VALVE LANE
8 - V-VALVE = AIR DUCT - V-VALVE LANE

AB	ASB BUILD	BY	01-11-11
C	FOR CONSTRUCTION	BY	06-29-10
S	SIGN OFF	BY	06-29-10
A	FOR APPROVAL	BY	06-29-10

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PA CONVENTION CENTER
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LEVEL 5 PARTIAL DUCT PLAN

REVISED: M-2552 LOC. CASE: AS NOTED BY: RS201
DATE: 09-12-09 BY: BJJ FOR: SM 3-9



NOTES:

1. - ALL DUCT TO BE FABRICATED PER SIMCOCK CONSTRUCTION STANDARDS
2. - $\rightarrow$ = AIR FLOW - ONLY - NO ACCESS LANDING
3. - $\rightarrow$ = AIR FLOW - NO ACCESS LANDING
4. - $\rightarrow$ = AIR FLOW - STAINLESS STEEL
5. - $\rightarrow$ = AIR FLOW - ALUMINUM
6. - Δ = W.G. CONSTRUCTION OF DUCT
7. - $\frac{1}{2}$ O.D. = TOP OF DUCT ABOVE FINISHED FLOOR
8. - $\frac{1}{2}$ O.D. = BOTTOM OF DUCT FINISHED FLOOR

CONSTRUCTION AND FOR ELECTRICAL INSULATION WHERE REQUIRED.

CONSTRUCTION AND FOR ELECTRICAL INSULATION WHERE REQUIRED.

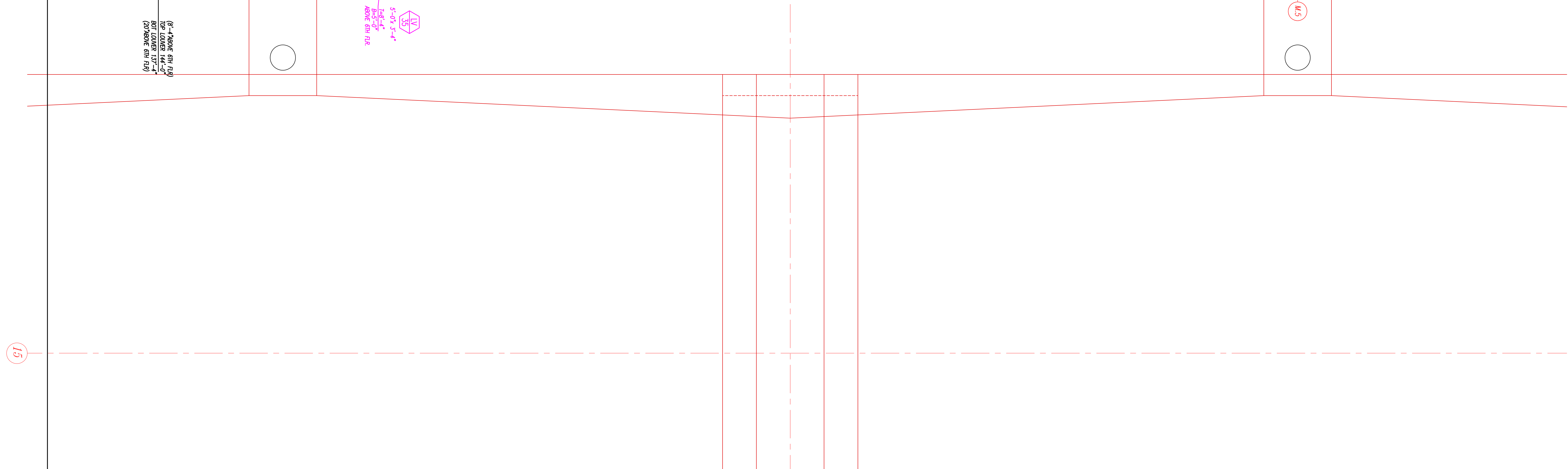
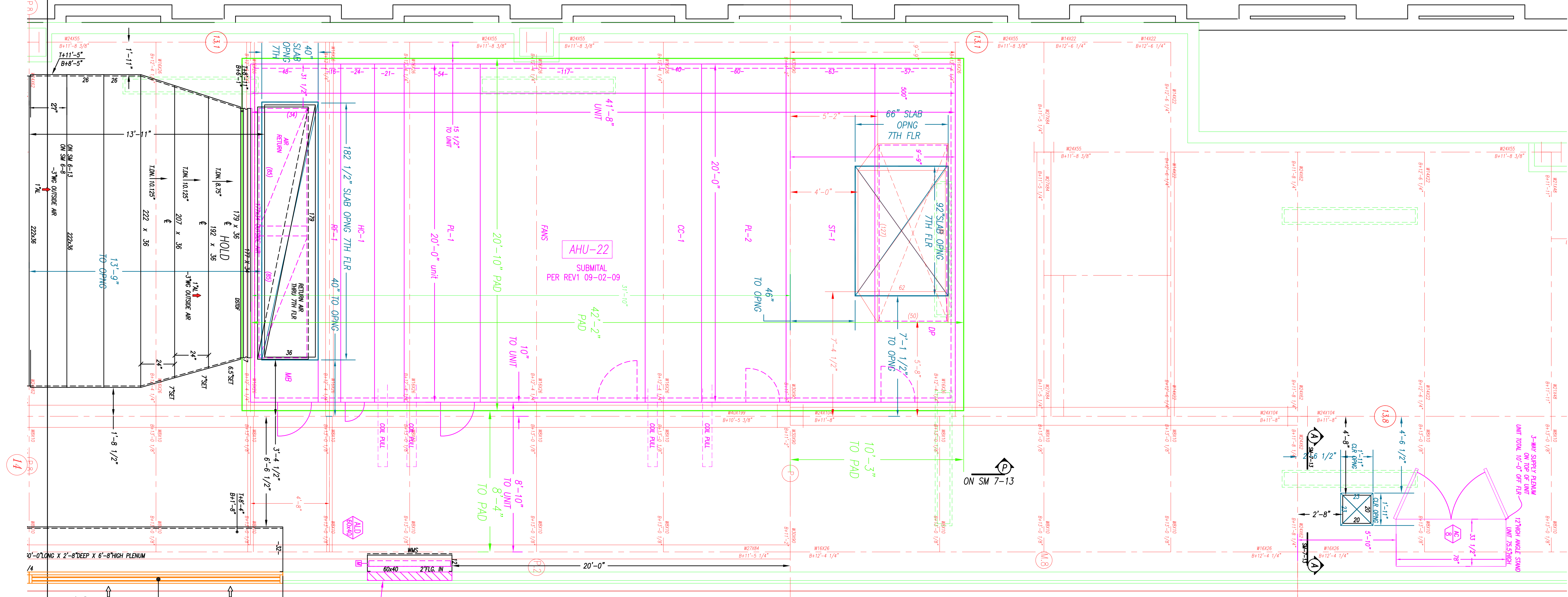
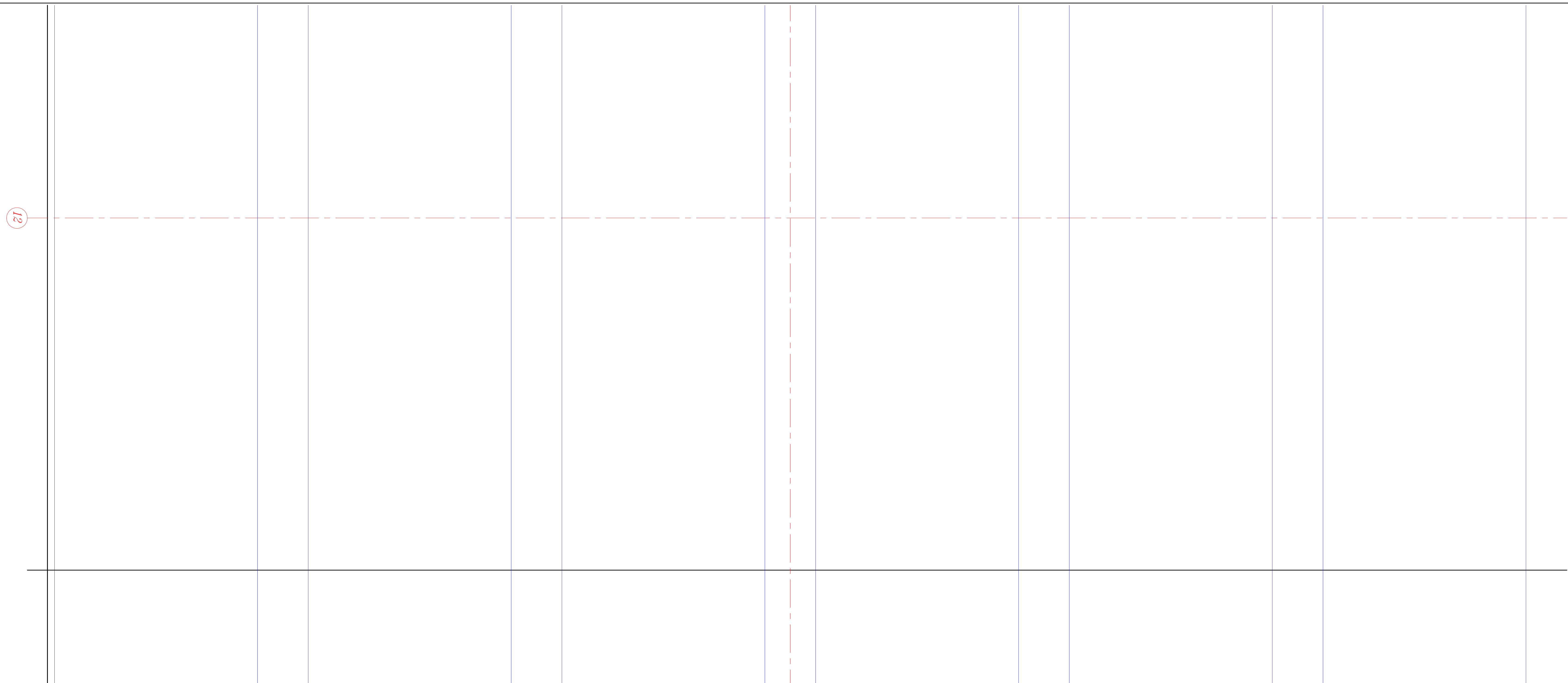
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TITLE
LEVEL 6 PARTIAL DICT PLAN

TITLE
LEVEL 6 PARTIAL DICT PLAN



DATE	10-06-09	BY	SM	13
REVISION	10-06-09	BY	SM	13
TITLE	LEVEL 6 PARTIAL DUCT PLAN			
PROJECT	FA CONVENTION CENTER EXPANSION AND RENOVATION			
CLIENT	FA CONVENTION CENTER			
DESIGNER	Advantage Engineering			
ENGINEER	Advantage Engineering			
ARCHITECT	Advantage Engineering			
MECHANICAL	Advantage Engineering			
ELECTRICAL	Advantage Engineering			
PLUMBING	Advantage Engineering			
STRUCTURAL	Advantage Engineering			
ENVIRONMENTAL	Advantage Engineering			
SAFETY	Advantage Engineering			
OTHER	Advantage Engineering			

RECORD DRAWINGS
The Keating IV

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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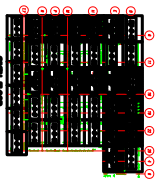
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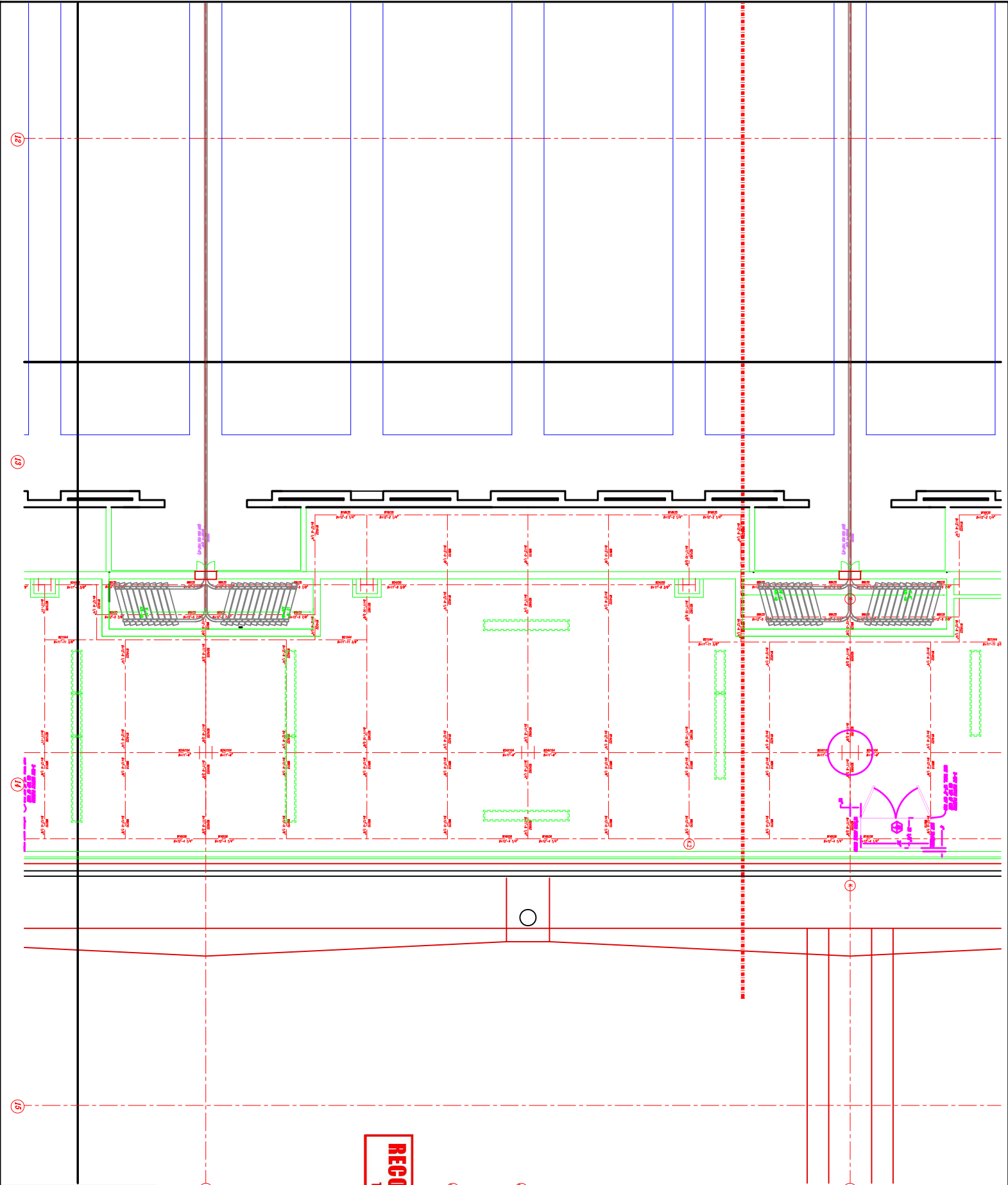
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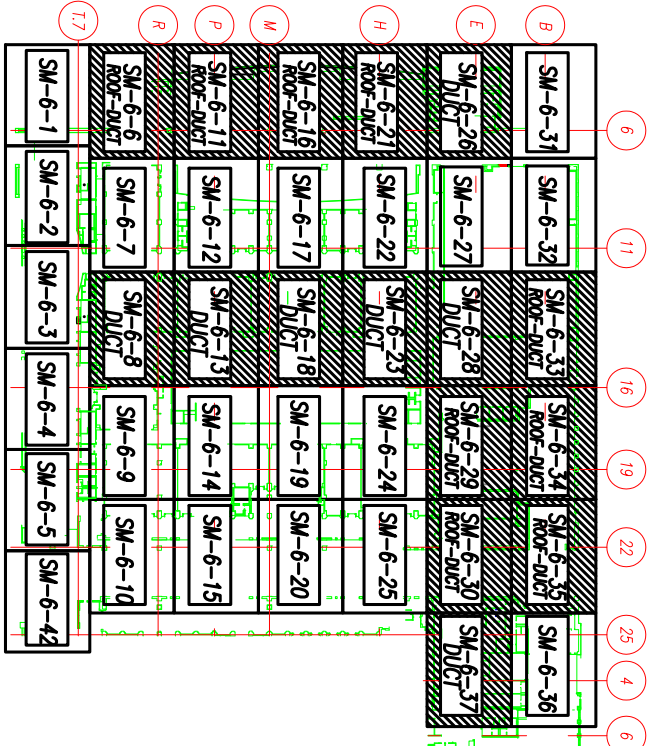
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RECORD DRAWINGS
The Keating JV



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PHASE 1 BUILDING 1000 FLM





RECORD DRAWINGS
The Reading IV

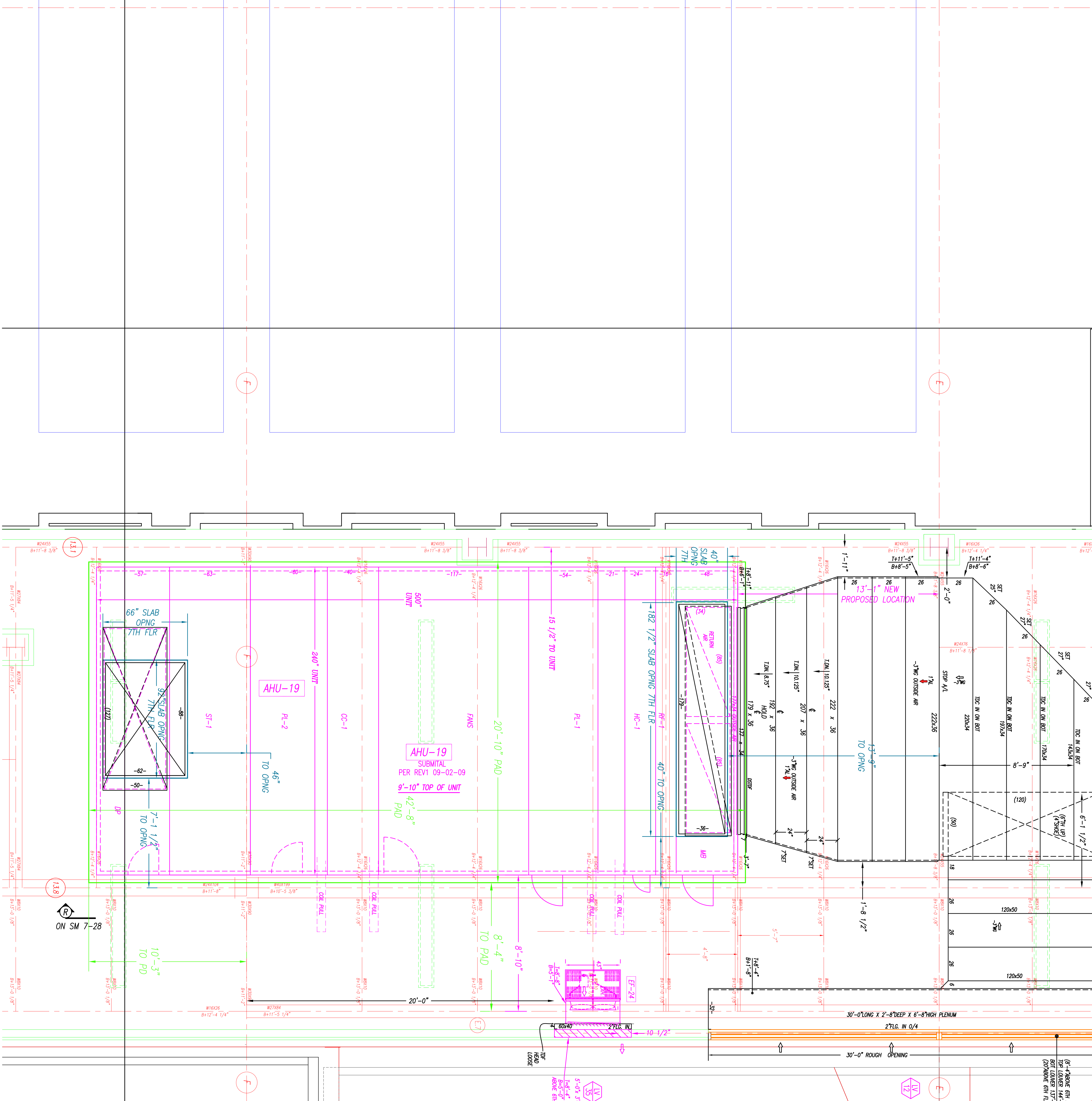
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AB	AS BUILT	EG	01-10-10
C	FOR CONSTRUCTION	EG	01-10-10
S	FOR OVP	EG	01-10-10
A	FOR APPROVAL	EG	01-10-10
N	NOT FOR CONSTRUCTION	EG	01-10-10

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EXPANSION AND RENOVATION
LEVEL 6 PARTIAL DUCT PLAN

REV	DATE	BY	CHK	DESCRIPTION
01	09-06-09	SM	0-23	



14B	AS BUILT	EO	01-11-11
C	FOR CONSTRUCTION	EO	01-10-10
S	SIGN OFF	EO	01-12-10
A	FOR APPROVAL	EO	01-14-10
REV	DESCRIPTION	EO	00-00-00
		RE	DATE

PA CONSULTING CENTER
EXPANSION AND RENOVATION

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Phone: 215-944-0191 Fax: 215-944-0192

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DATE: 06/26/11

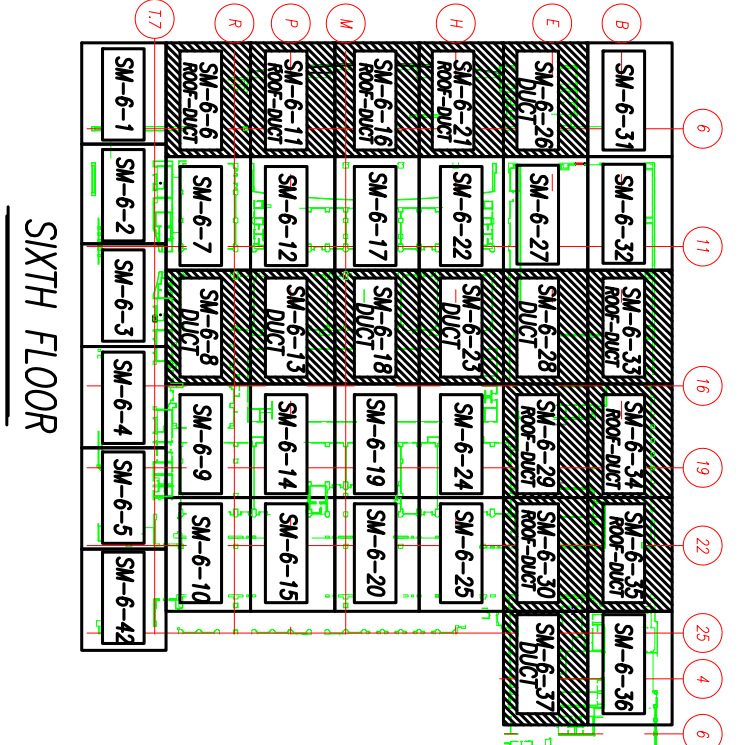
BY: MRS. J. M. GIBSON

DATE: 06/26/11

BY: MRS. J. M. GIBSON

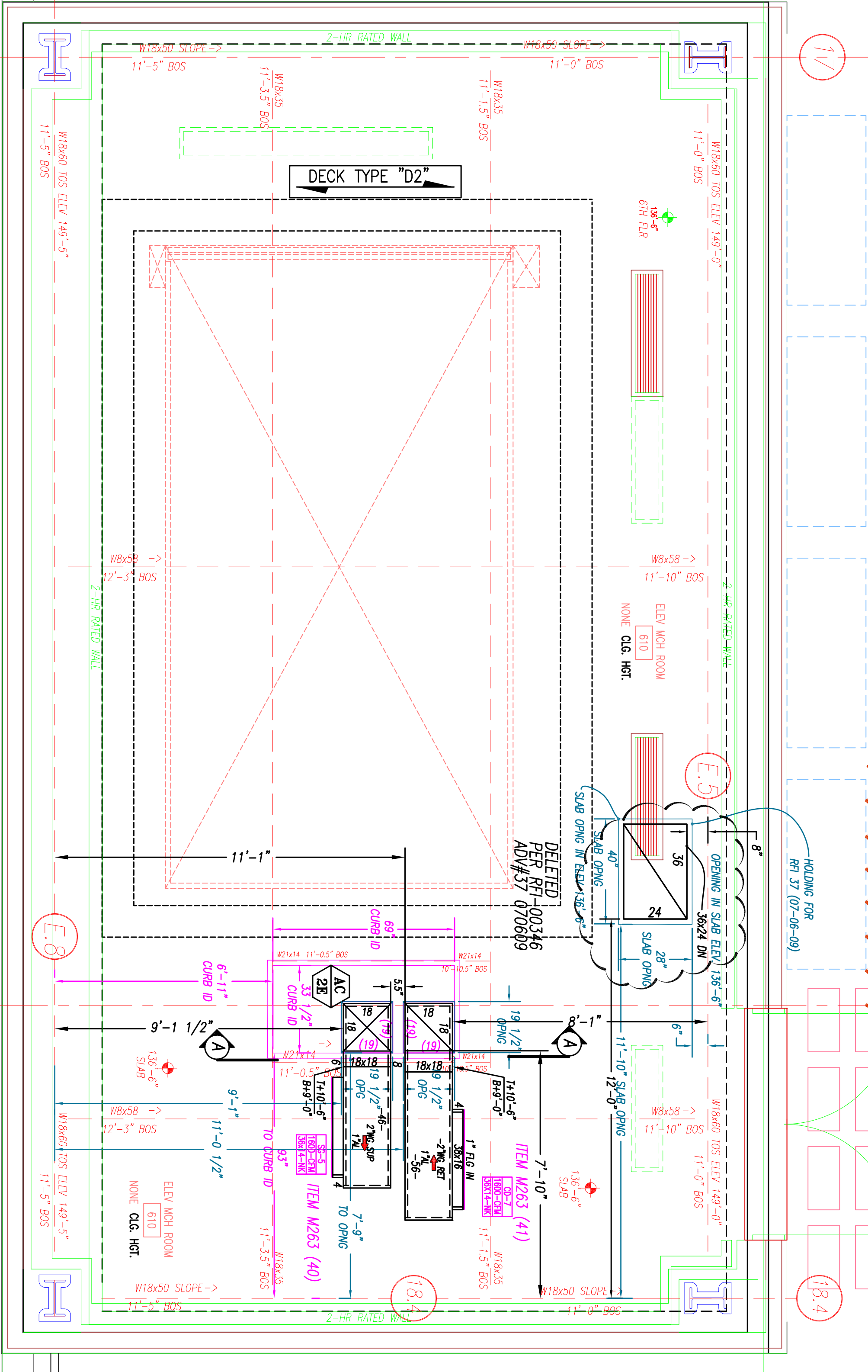
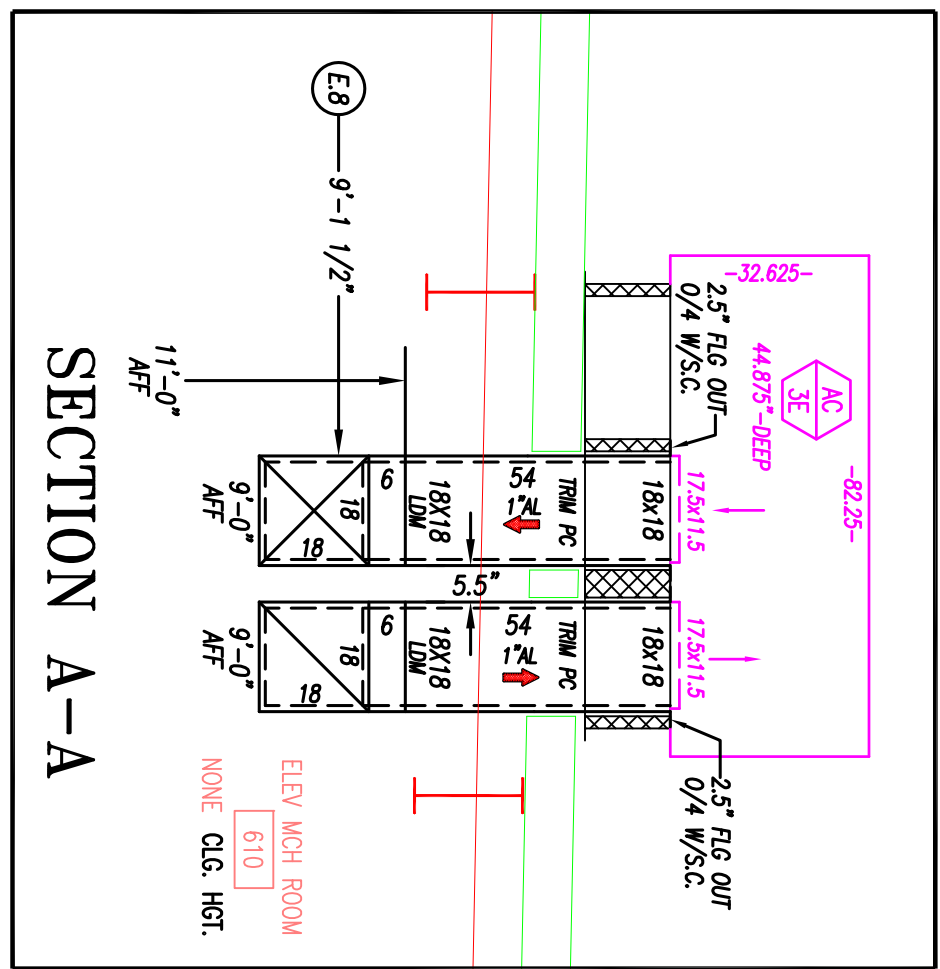
NOTES:

1. - ALL DUCT TO BE FABRICATED PER SMITH CONSTRUCTION STANDARDS
2. - ∇ = AIR FLOW - ONLY - NO ACCESS LANDING
3. - ∇ = AIR FLOW - ONLY - NO ACCESS LANDING
4. - ∇ = AIR FLOW - SPANLESS STEEL
5. - ∇ = AIR FLOW - ALUMINUM
6. - ∇ = W.S. CONSTRUCTION OF DUCT
7. - ∇ = TOP OF DUCT ABOVE FINISHED FLOOR
8. - ∇ = BOTTOM OF DUCT ABOVE FINISHED FLOOR
9. - ∇ = BOTTOM OF DUCT ABOVE FINISHED FLOOR
10. - CONSTRUCTION NOTE - ALLOW 2" ALL AROUND DUCT FOR FLAME PROTECTION AND FOR EXHAUST INSULATION WHERE REQUIRED.

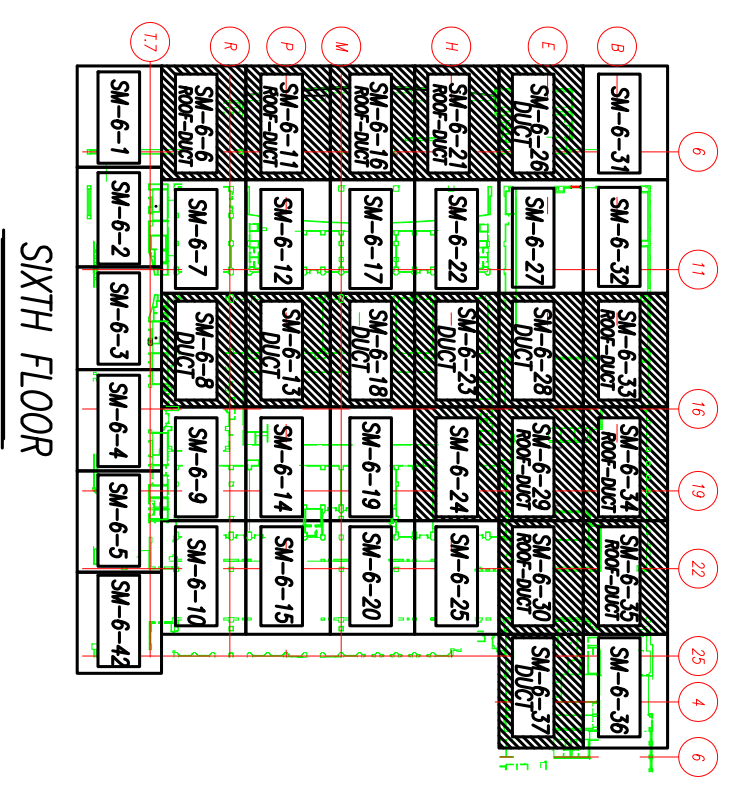


RECORD DRAWINGS

The Keating JV



AS-24 4000 2-1/4\"/>
FIRE RATED WALL



RECORD DRAWINGS
The Keating JV

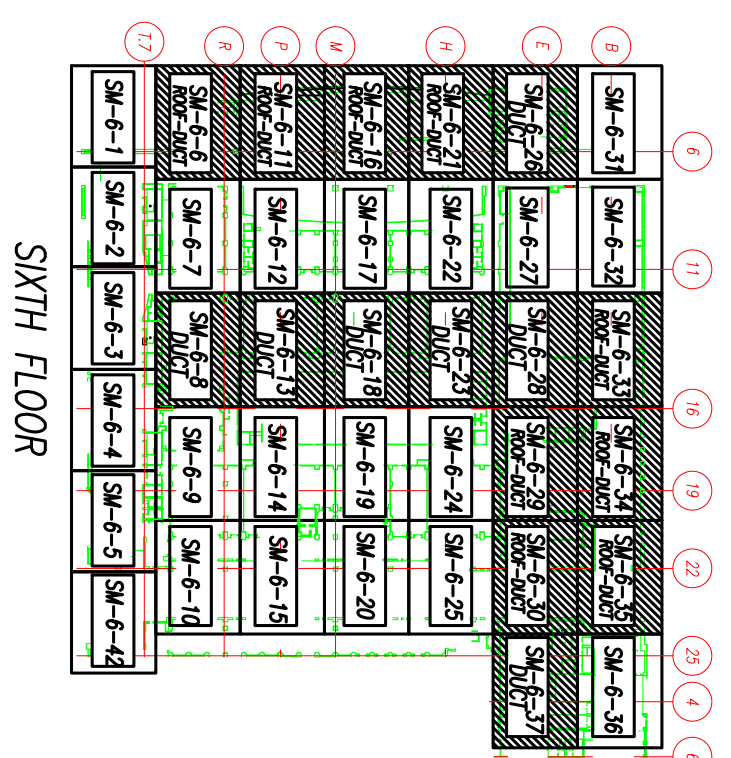
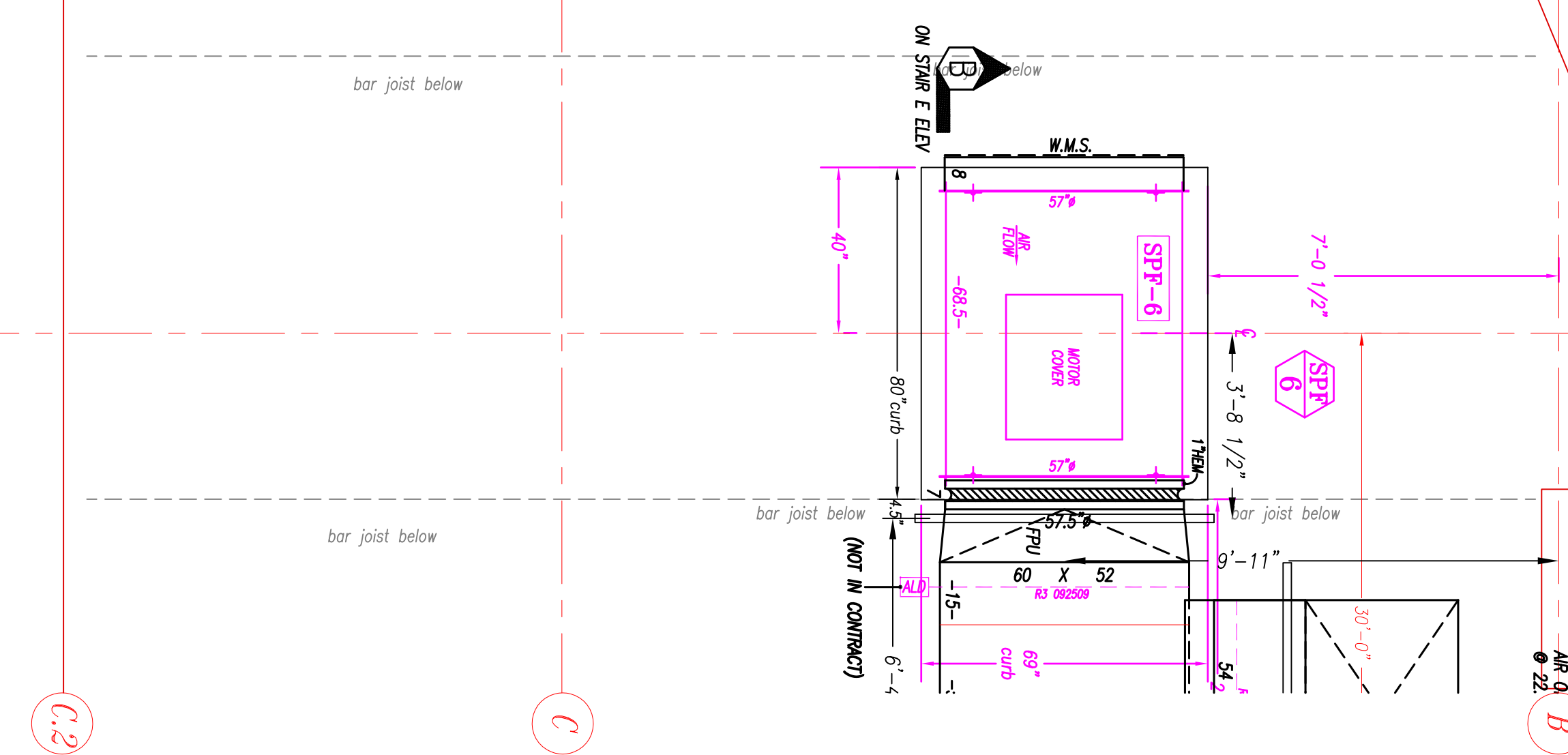
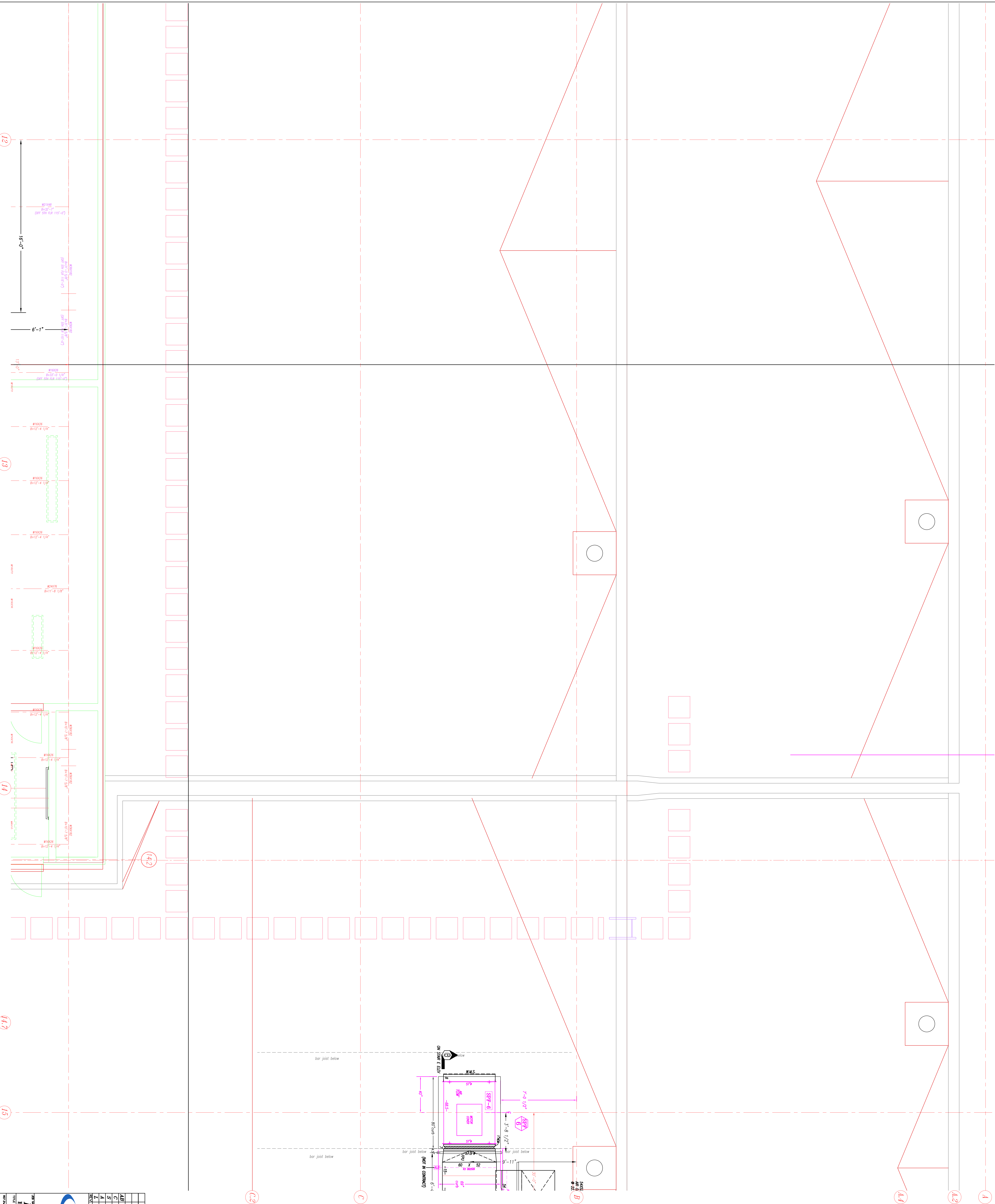
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AB	AS BUILT	EG	01-11-11
C	FOR CONSTRUCTION	EG	12-04-09
S	SIGN OFF	EG	11-18-09
A	FOR APPROVAL	BJ	09-20-09
NO	NO	NO	NO

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PA CONVENTION CENTER
EXPANSION AND RENOVATION
TITLE: LEVEL 6 PARTIAL DUCT PLAN
DATE: 09-20-09
BY: BJ

REV	DATE	BY	CHK	APP	DESCRIPTION
1	09-20-09	BJ	NO	NO	SM 6-29



RECORD DRAWINGS
The Keating JV

AB	AS BUILT	EG	01-18-1
C	FOR CONSTRUCTION	EG	12-04-0
S	SIGN OFF	EG	11-19-0
A	FOR APPROVAL	EG	09-20-0
CURB LOCATIONS		EG	06-25-0
REVISION DESCRIPTION		DR	DATE

NOTES:

1. - ALL DUCT TO BE FABRICATED PER SMACH CONSTRUCTION STANDARDS
2. - $\rightarrow$ = AIR FLOW - ONLY - NO ACCESS LUNGS
3. - $\rightarrow$ = AIR FLOW - ONLY - NO ACCESS LUNGS
4. - $\rightarrow$ = AIR FLOW - AIR FLOW - STAINLESS STEEL
5. - $\rightarrow$ = AIR FLOW - ALUMINUM
6. - $\rightarrow$ = M.S. CONSTRUCTION OF DUCT
7. - $\rightarrow$ = TOP OF DUCT ABOVE FINISHED FLOOR
8. - $\rightarrow$ = BOTTOM OF DUCT ABOVE FINISHED FLOOR

CONSTRUCTION NOTE - ALL DUCT TO BE FABRICATED PER SMACH CONSTRUCTION STANDARDS AND THE EXISTING INSULATION WHERE REQUIRED.



Advantage
CONTRACTING CO., INC.

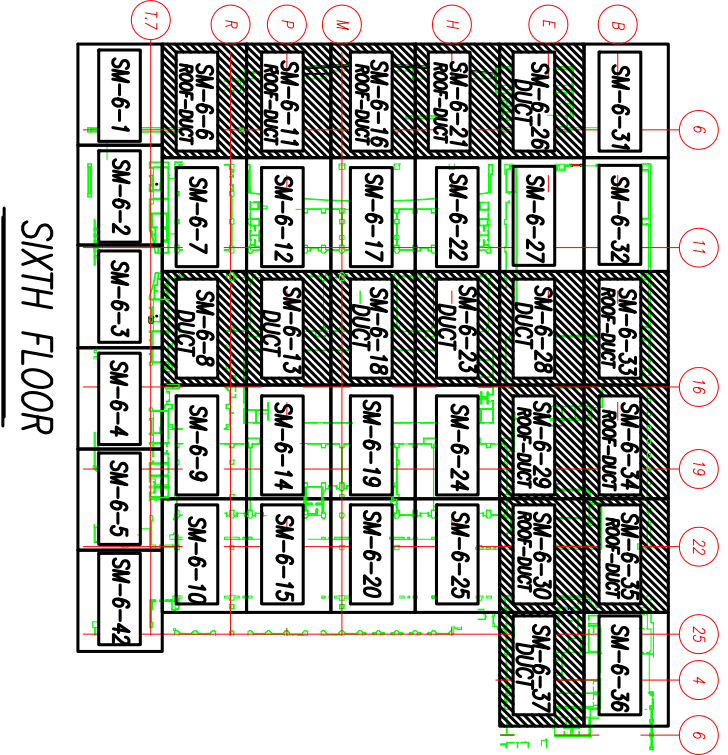
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RECORD DRAWINGS

The Keating JV

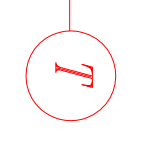
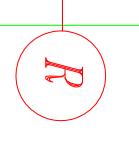


NOTES:

1. - ALL DUCT TO BE FABRICATED FOR SMITH CONSTRUCTION STANDARDS
2. - $\Rightarrow$ = AIR FLOW - ONLY - NO ACCESS, LAMING
3. - $\Rightarrow$ = AIR FLOW - ACCESS, LAMING
4. - $\Rightarrow$ = AIR FLOW - SMALLEST STEEL
5. - $\Rightarrow$ = AIR FLOW - ALUMINUM
6. - $\Rightarrow$ = R.A. CONSTRUCTION OF DUCT
7. - $\Rightarrow$ = TOP OF DUCT ABOVE FINISHED FLOOR
8. - $\Rightarrow$ = BOTTOM OF DUCT ABOVE FINISHED FLOOR

CONNECTIONS AND FITS - ALLOW 2" ALL AROUND DUCT FOR FLARE CONNECTIONS AND FOR EXTERNAL INSULATION WHEN REQUIRED.

	AS BUILT	R2	0-25-00
AB	FOR CONSTRUCTION	R2	18-06-00
C	SIGN OFF	R2	11-09-00
S	FOR APPROVAL	R2	05-10-00
A	PUR APPROVAL	B/L	00-00-00
L	CURS LOCATIONS	B/L	00-25-00
	REVISIONS	RC	MTC



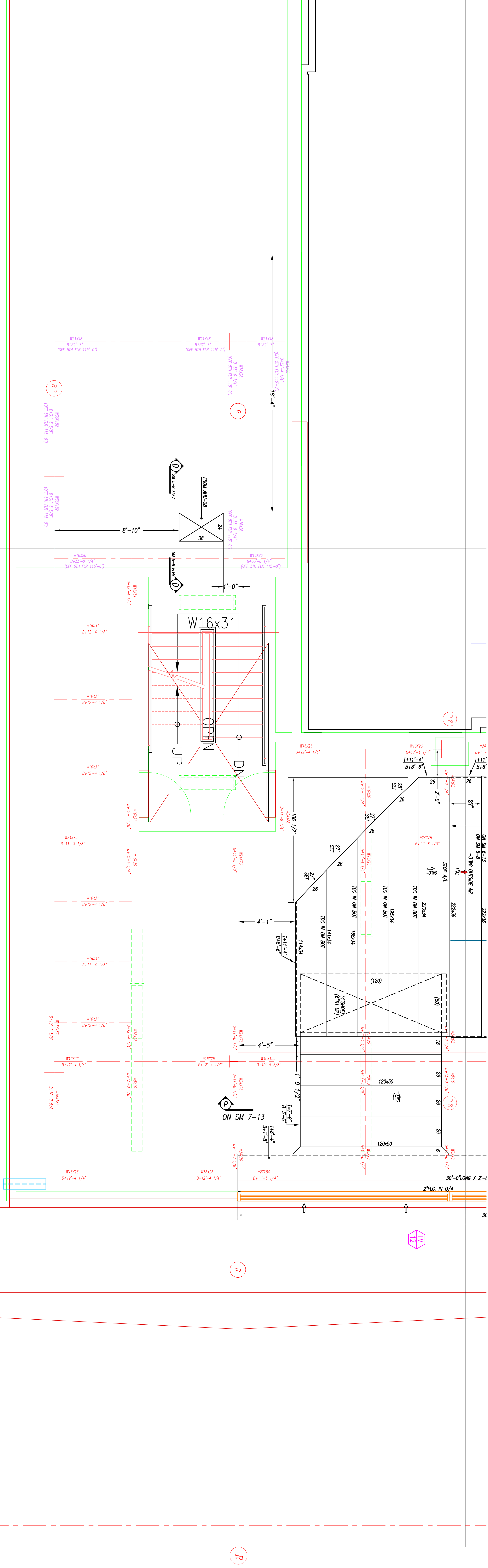
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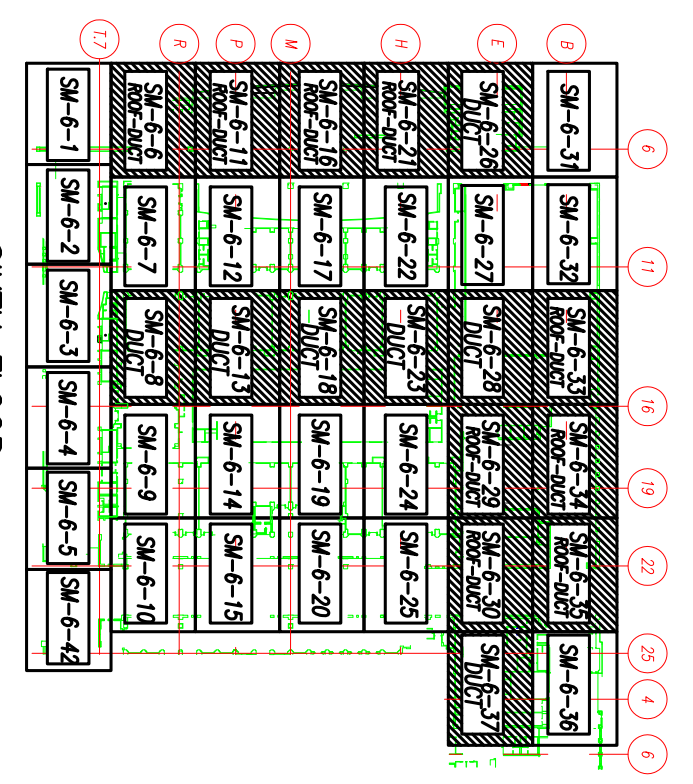
The Keating JV

SIXTH FLOOR

[illegible]



RECORD DRAWINGS
The Keating JV



- NOTES:
- 1 - ALL DUCT TO BE CONNECTED PER MECHANICAL CONSTRUCTION STANDARDS.
 - 2 - CIP - CONCRETE IN PLACE - CIP - NO JOIST LAYOUT.
 - 3 - CIP - CONCRETE IN PLACE - CIP - NO JOIST LAYOUT.
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FA CONVENTION CENTER
EXPANSION AND RENOVATION

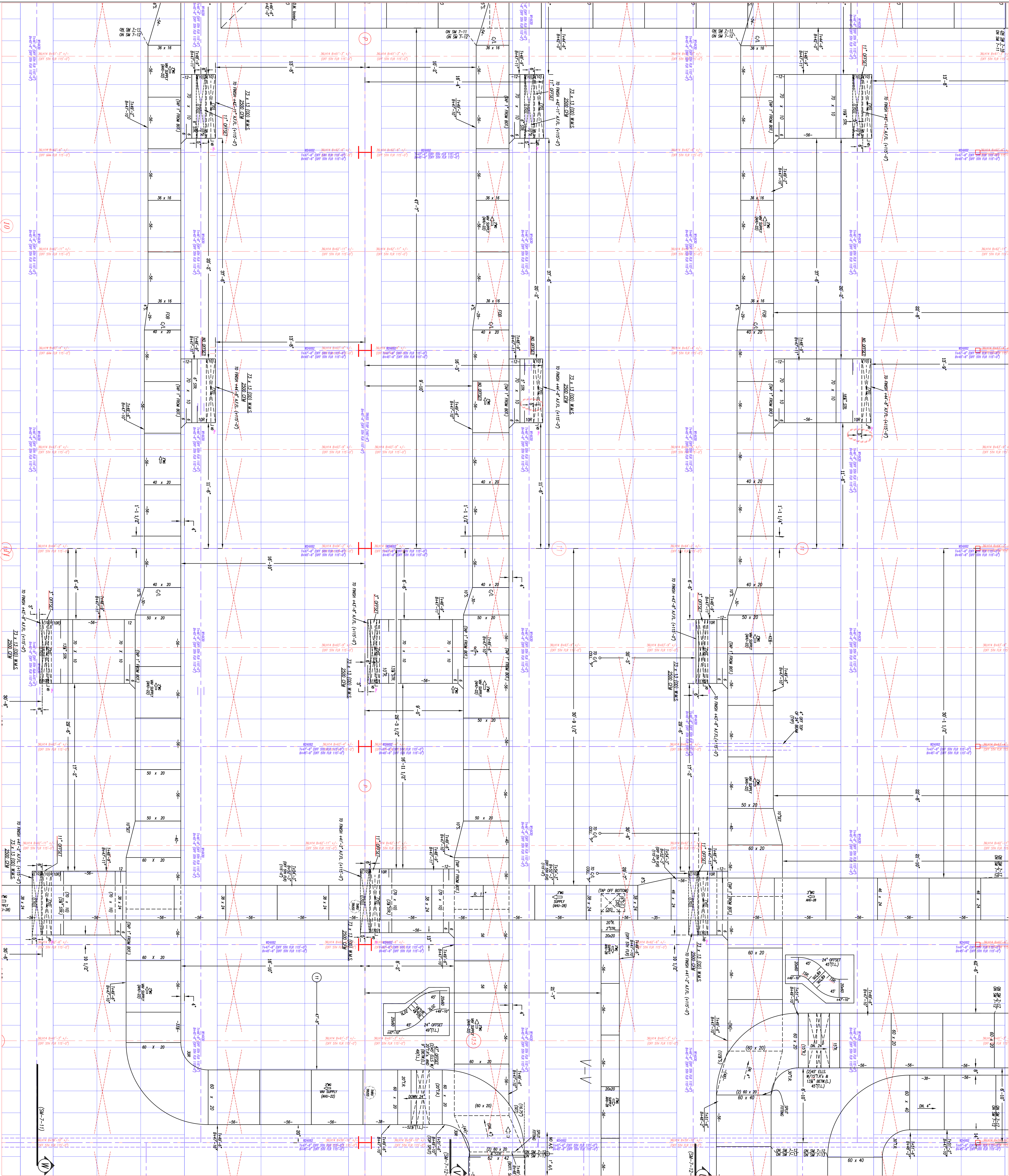
TITLE: LEVEL 6 PARTIAL DUCT PLAN

DATE: 09-06-09

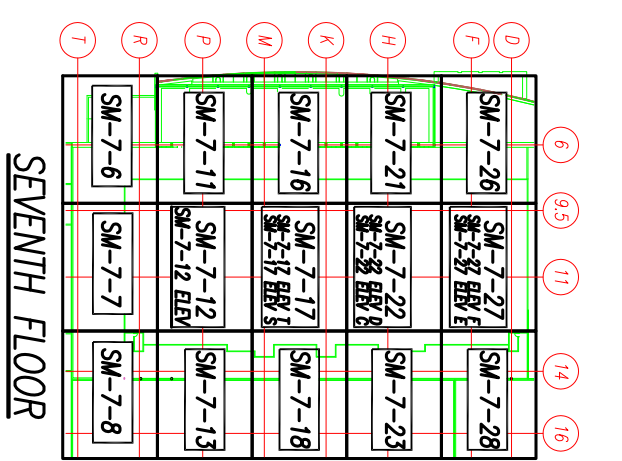
SCALE: 1/8" = 1'-0"

PROJECT: SM 6-8

NO.	DESCRIPTION	DATE	BY	CHKD.
1	AS BUILT	01-10-10	EG	
2	FOR CONSTRUCTION	01-10-10	EG	
3	SIGN OFF	01-14-10	EG	
4	FOR APPROVAL	09-06-09	EG	

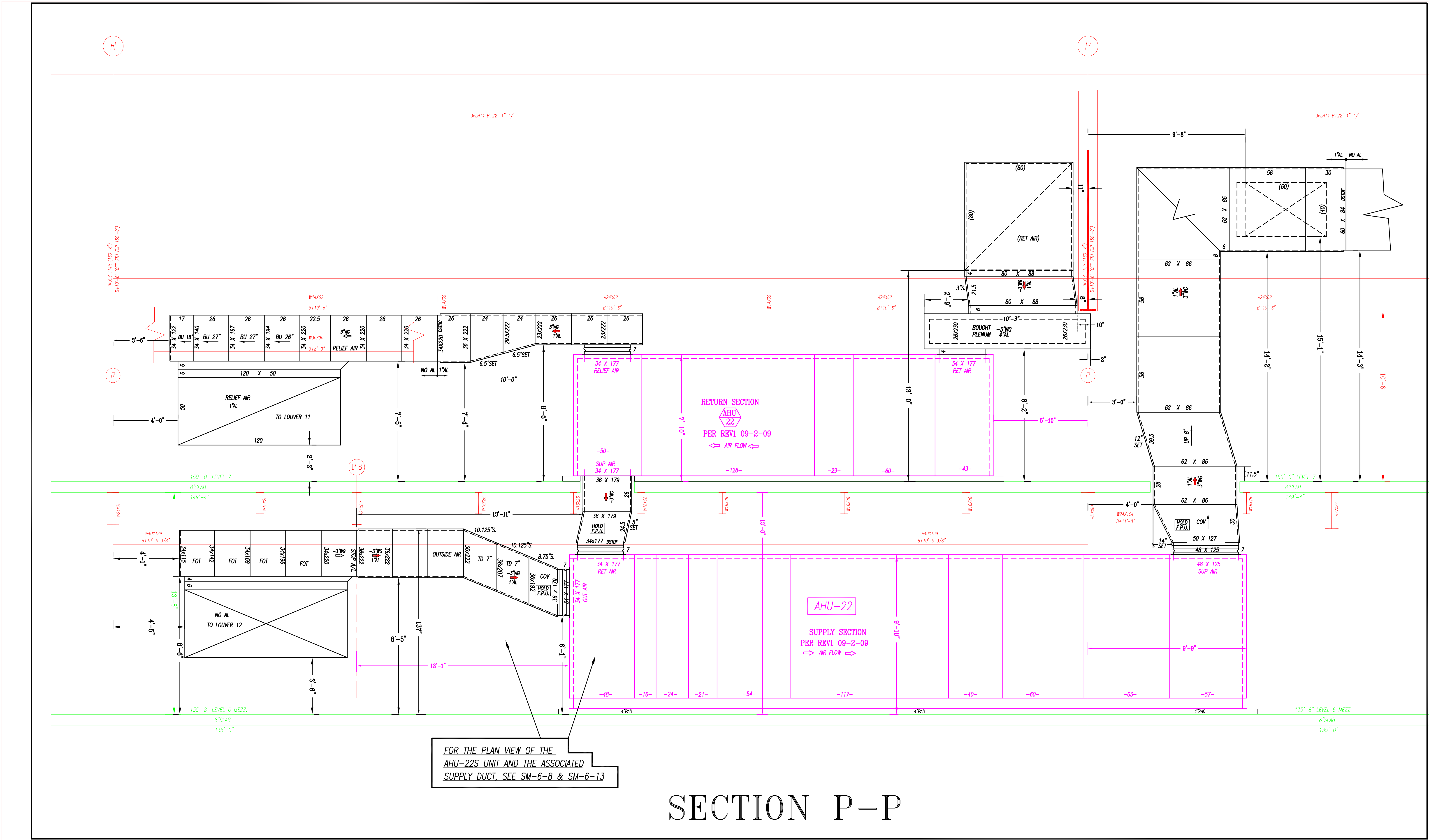
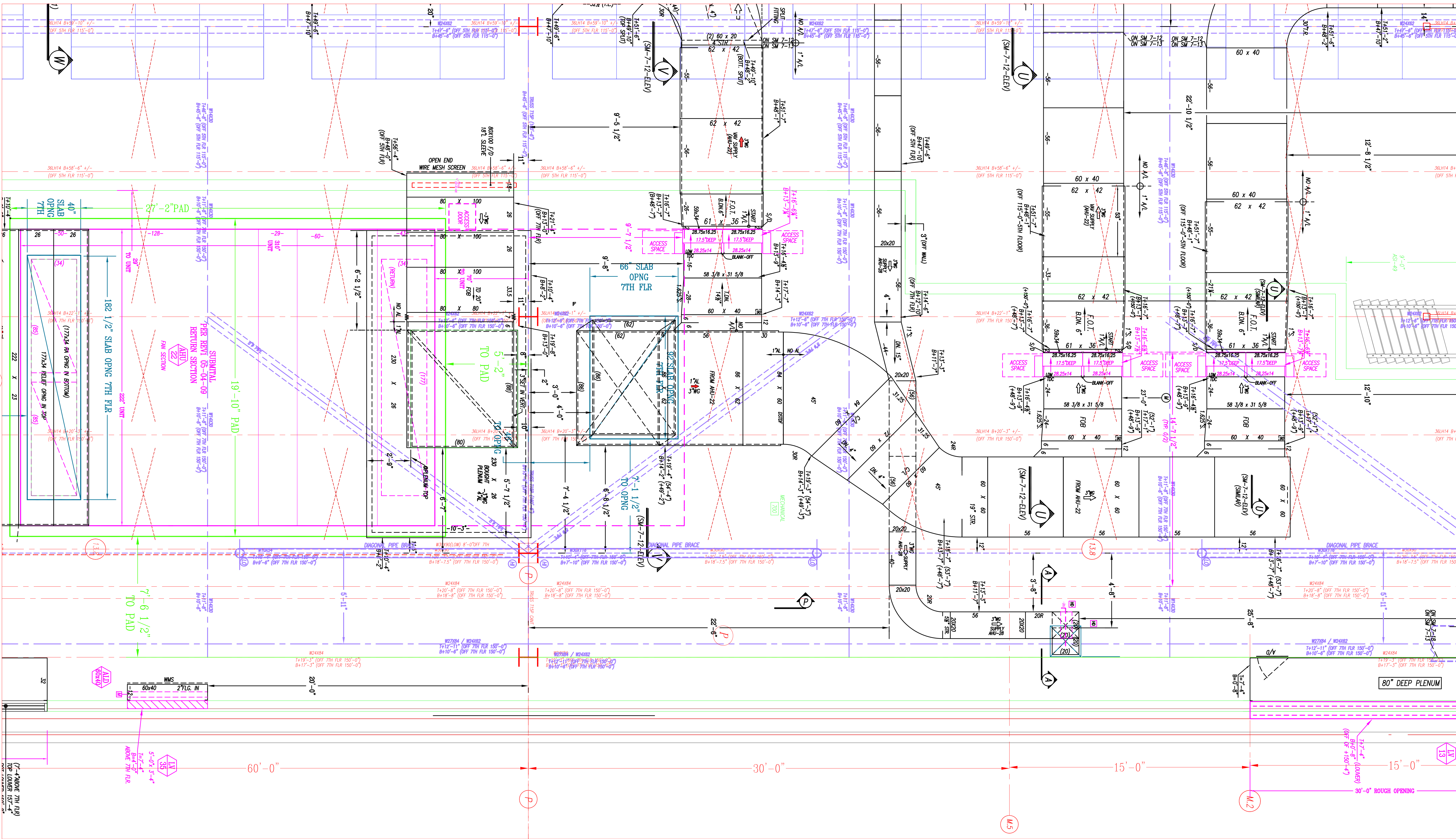
[illegible]

1. - ALL DUCT TO BE PROTECTED FOR SMOKE COMBUSTION STANDARDS
2. - $\Rightarrow$ - AIR FLOW - OUT - NO ACCESS JUNG
3. - $\Rightarrow$ - AIR FLOW - $\Rightarrow$ -¹ ACCESS JUNG
4. - $\Rightarrow$ - $\Rightarrow$ - AIR FLOW - STAINLESS STEEL
5. - $\Rightarrow$ - AIR FLOW - ALUMINUM
6. - $\triangle$ - R/C CONSTRUCTION OF DUCT
7. - $\Rightarrow$ - TOP OF DUCT HAVE FINISHED FLOOR
8. - $\Rightarrow$ - BOTTOM OF DUCT HAVE FINISHED FLOOR
9. - COORDINATION NOTE - DUCT $\Rightarrow$ ALL AROUND DUCT FOR FLAME PROTECTION AND THE EXTERIOR INSULATION WHEN REQUIRED



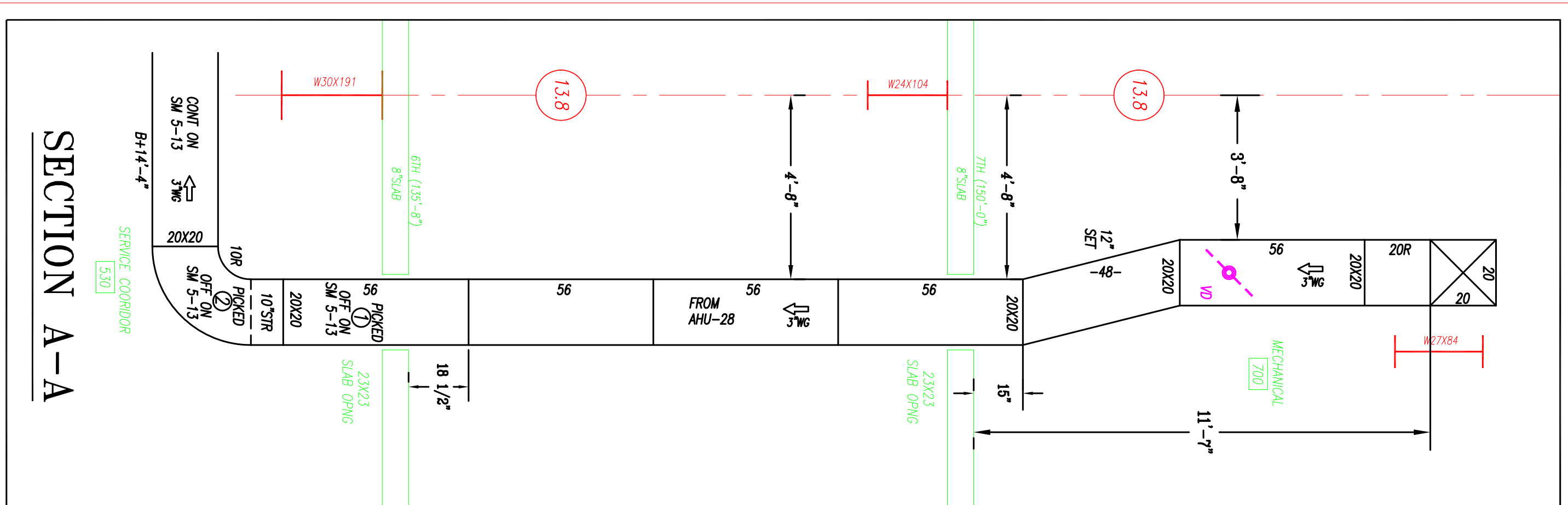
RECORD DRAWINGS

The Keating JV



FOR THE PLAN VIEW OF THE
AHU-22S UNIT AND THE ASSOCIATED
SUPPLY DUCT, SEE SM-6-8 & SM-6-13

SECTION P-P

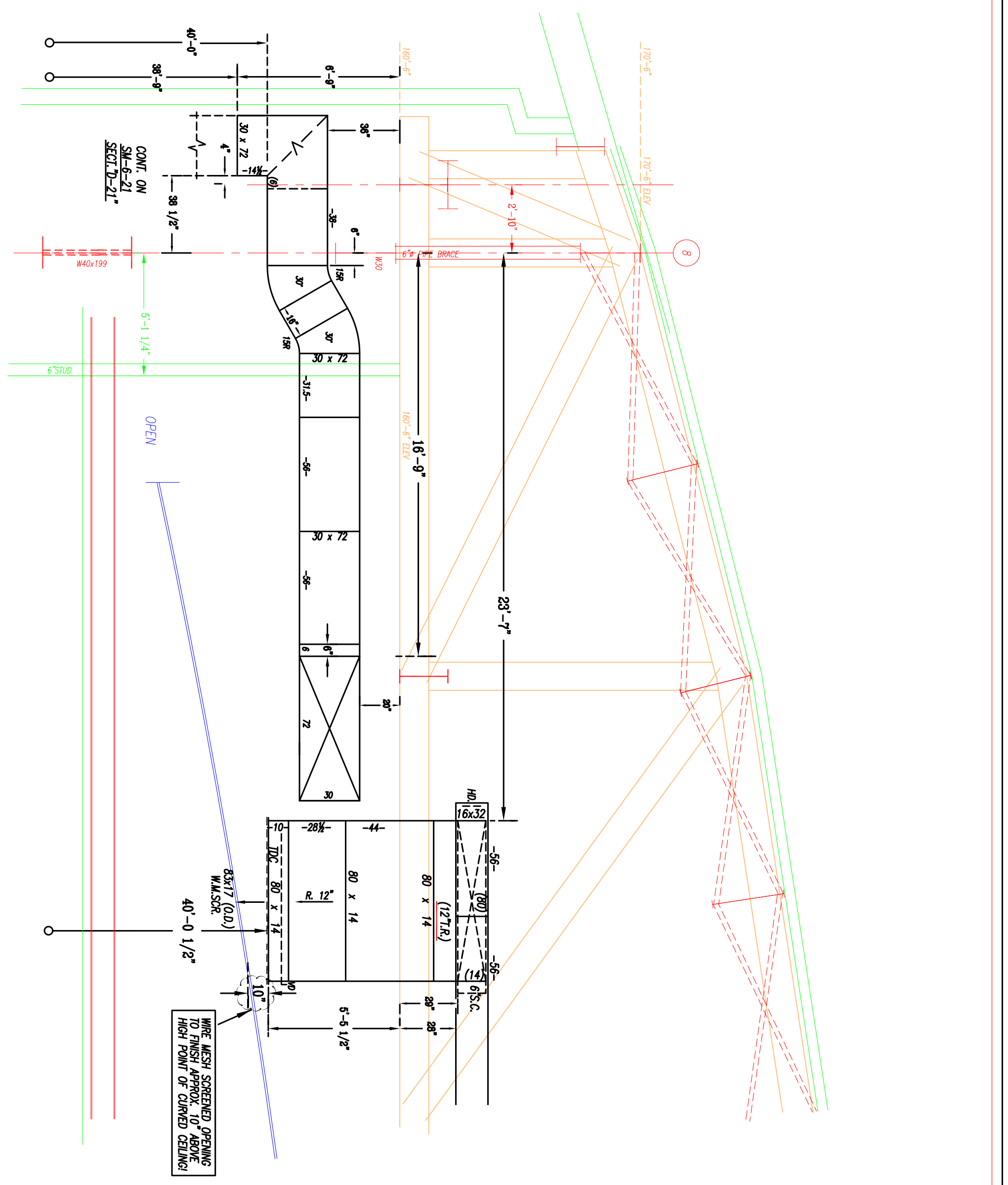
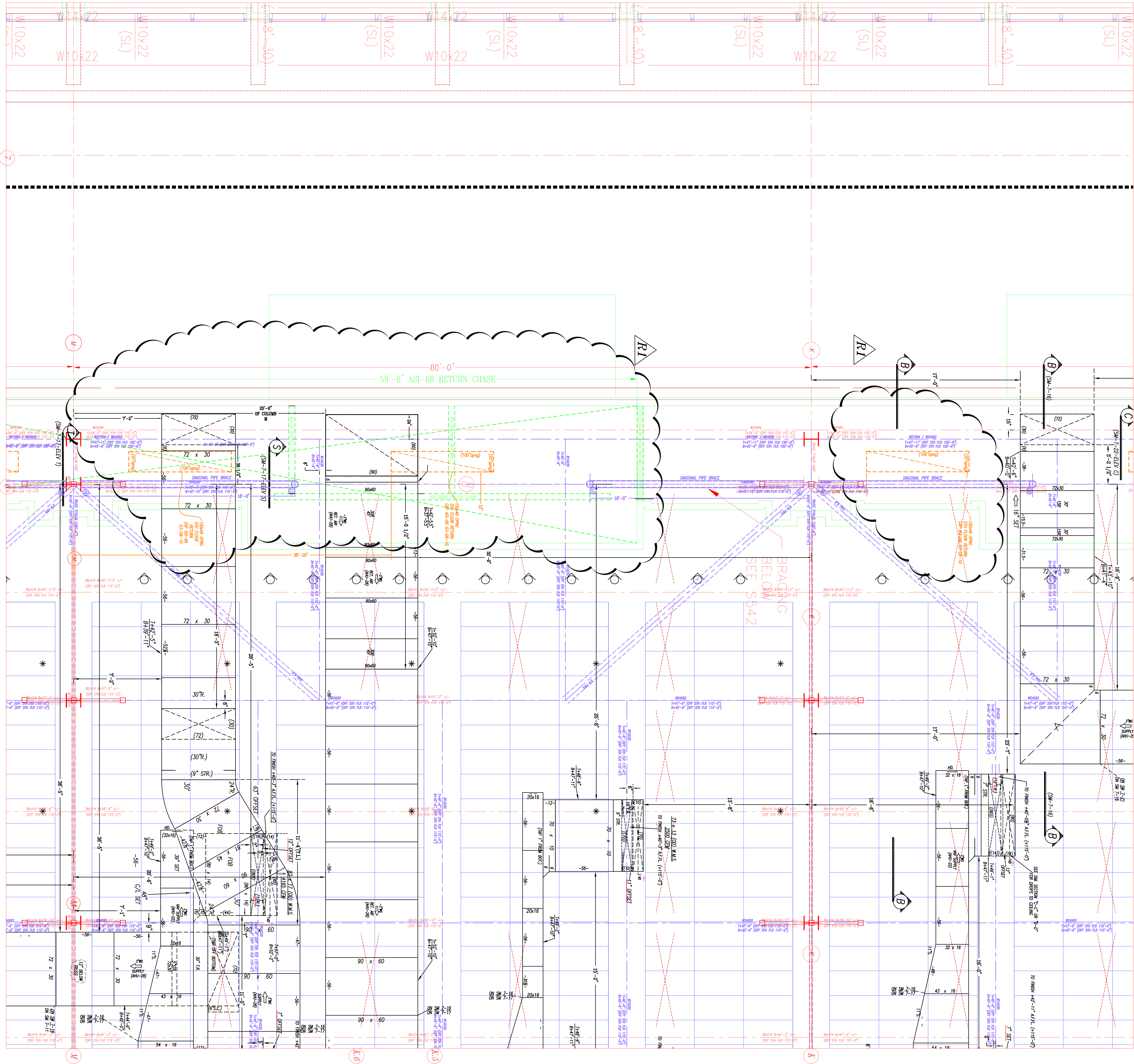


RECORD DRAWINGS
The Keating JV

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219 W. Haver Street, Philadelphia, PA 19106
Phone: 215-464-0191 Fax: 215-464-0192
www.advantagegroupinc.com

PA CONVENTION CENTER
EXPANSION AND RENOVATION
LEVEL 7 PARTIAL DUCT PLAN

REV	DATE	BY	CHK	DESCRIPTION
1	10-15-09	MSO		10-15-09
2	11-14-09	MSO		11-14-09
3	12-10-09	MSO		12-10-09
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SEVENTH FLOOR

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NOTES:
1. ALL DUCT TO BE INSTALLED PER MECHANICAL CONSTRUCTION STANDARDS.
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SECTION "B-B"

RECORD DRAWINGS
The Keating JV

Advantage
CONTRACTING INC.

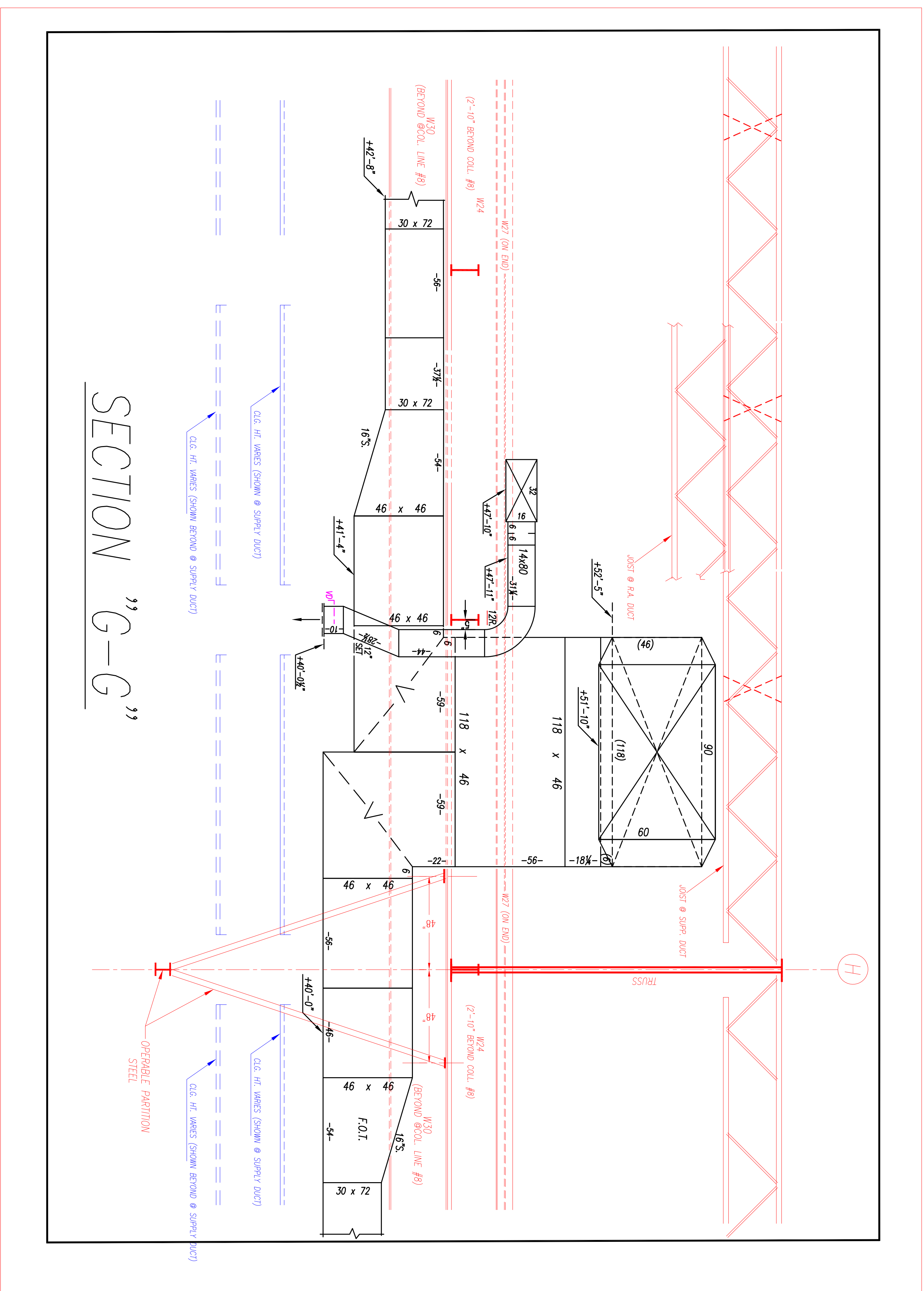
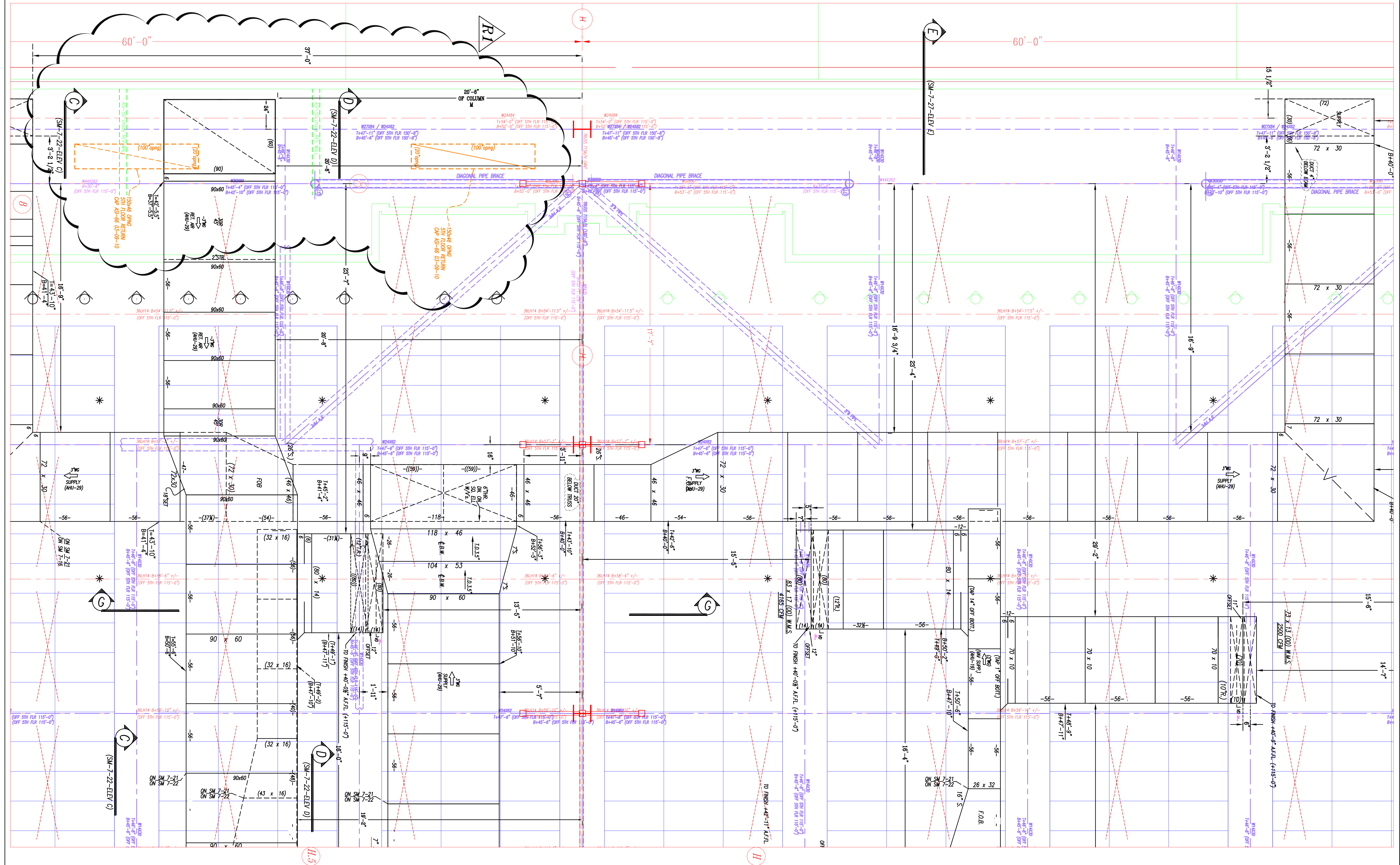
A Minority Owned Business Enterprise

219 W. Hartner Street • Philadelphia, PA 19119
www.advantagecontracts.com

PA CONVENTION CENTER
EXPANSION AND RENOVATION
LEVEL 7 PARTIAL DUCT PLAN

DATE: 11-24-09
BY: MSO

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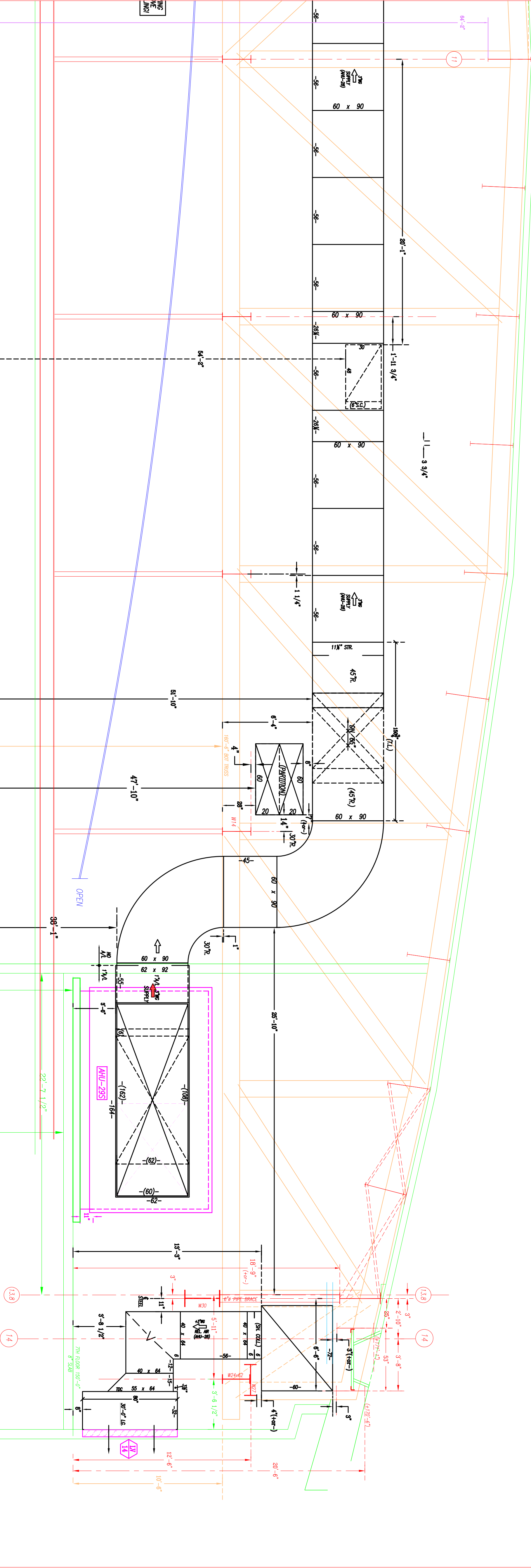
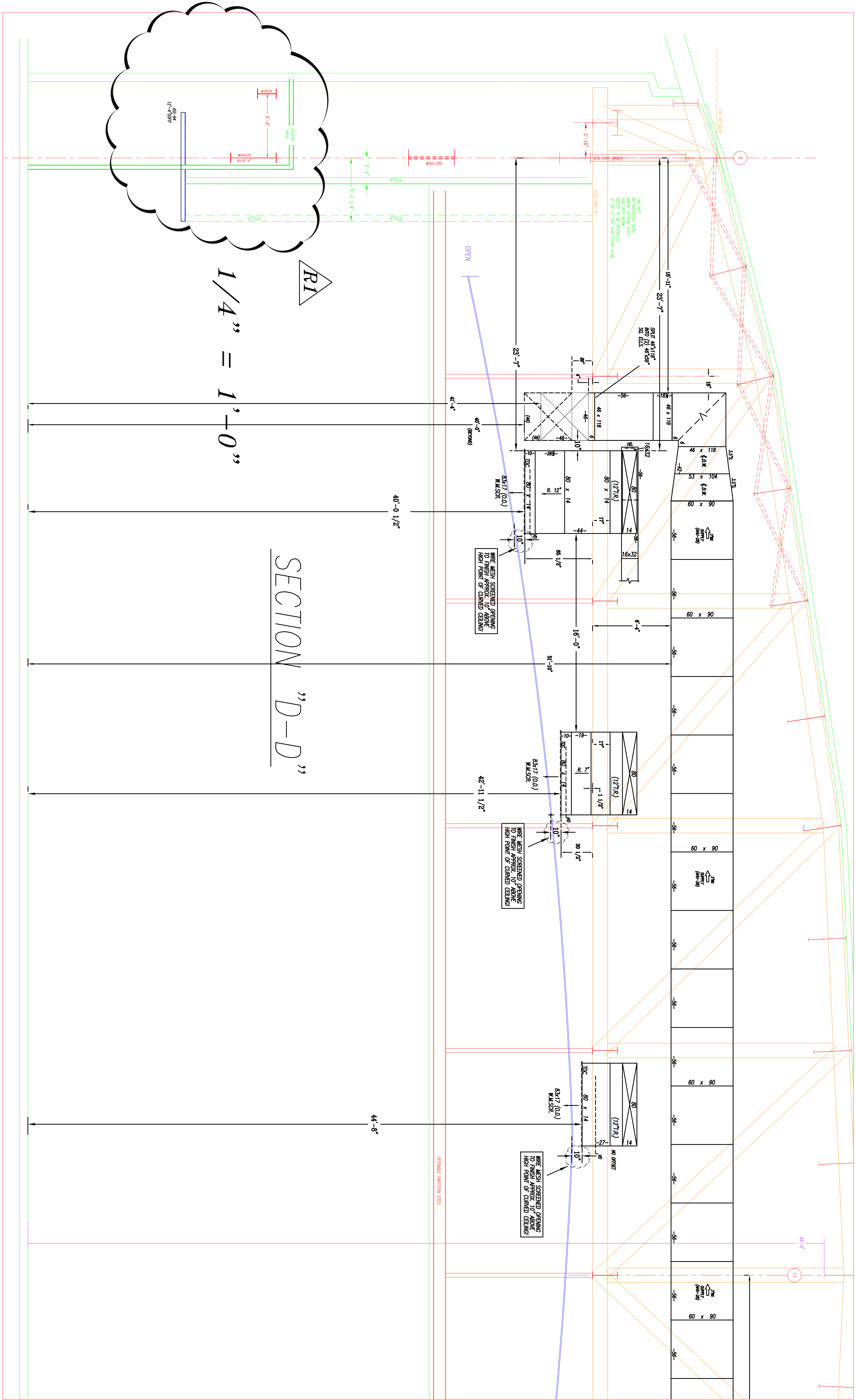


SEVENTH FLOOR

SM-7-26	SM-7-27	SM-7-28
SM-7-21	SM-7-22	SM-7-23
SM-7-16	SM-7-17	SM-7-18
SM-7-11	SM-7-12	SM-7-13
SM-7-6	SM-7-7	SM-7-8

[illegible]

- 1.- ALL DUCT TO BE FABRICATED PER SMOKE COMBUSTION STANDARDS.
- 2.- $\Rightarrow$ AIR FLOW - ONLY - NO ACCESS LUNING
- 3.- "AIR FLOW - $\rightarrow$ ACCESS LUNING"
- 4.- $\Rightarrow$ AIR FLOW - $\rightarrow$ ACCESS LUNING
- 5.- $\Rightarrow$ AIR FLOW - ALUMINUM
- 6.- $\Delta =$ R/S CONSTRUCTION OF DUCT
- 7.- In O-D = TOP OF DUCT ABOVE INSURED FLOOR
- 8.- B-T-O = BOTTOM OF DUCT ABOVE INSURED FLOOR
- 9.- CONNECTIONS MUST - ALLOW ∇ ALL APPLICABLE DUCT FOR FLAME COMBUSTION AND FOR EXHAUST RELOCATIONS WHEN REQUIRED.



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RECORD DRAWINGS
The Keating IV

NOTES:
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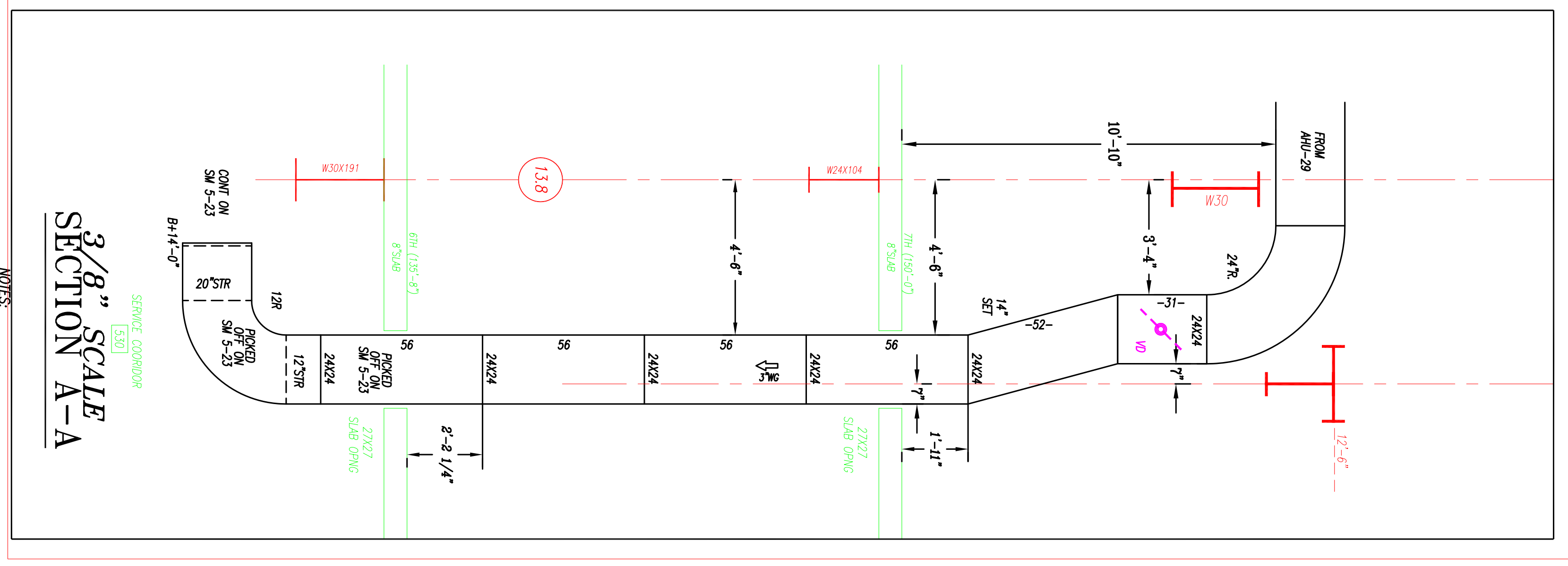
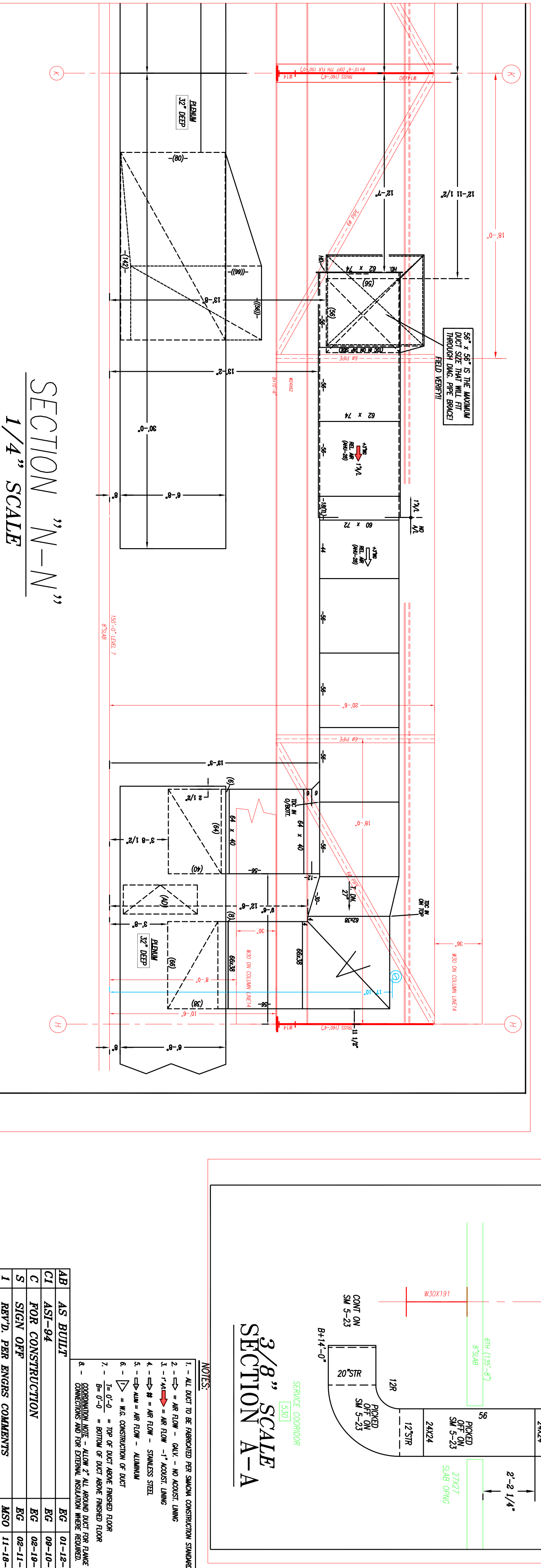
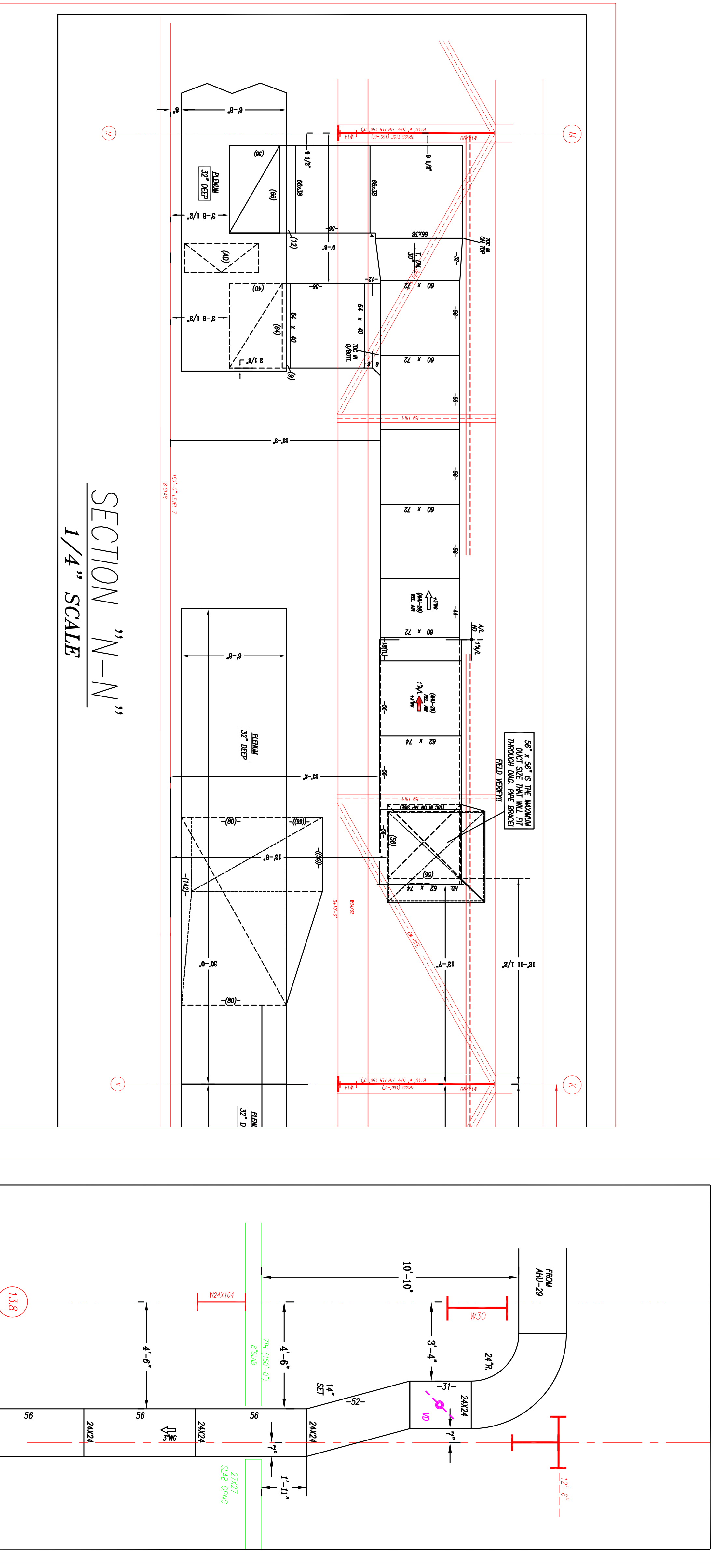
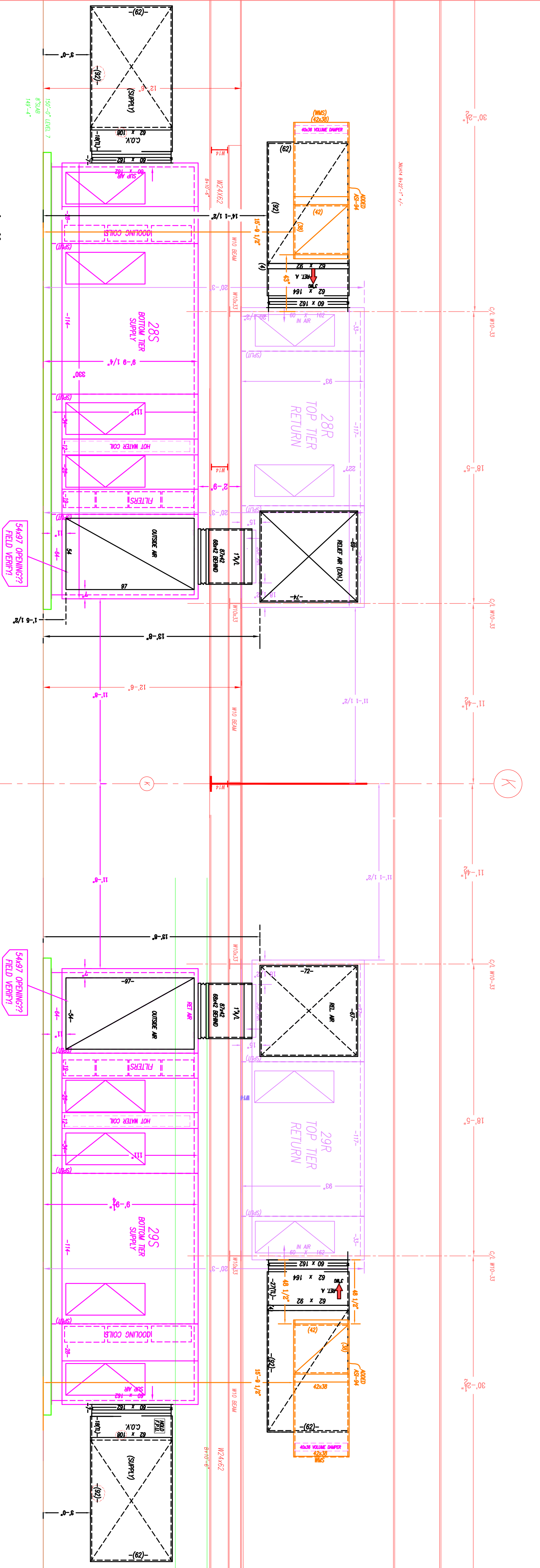
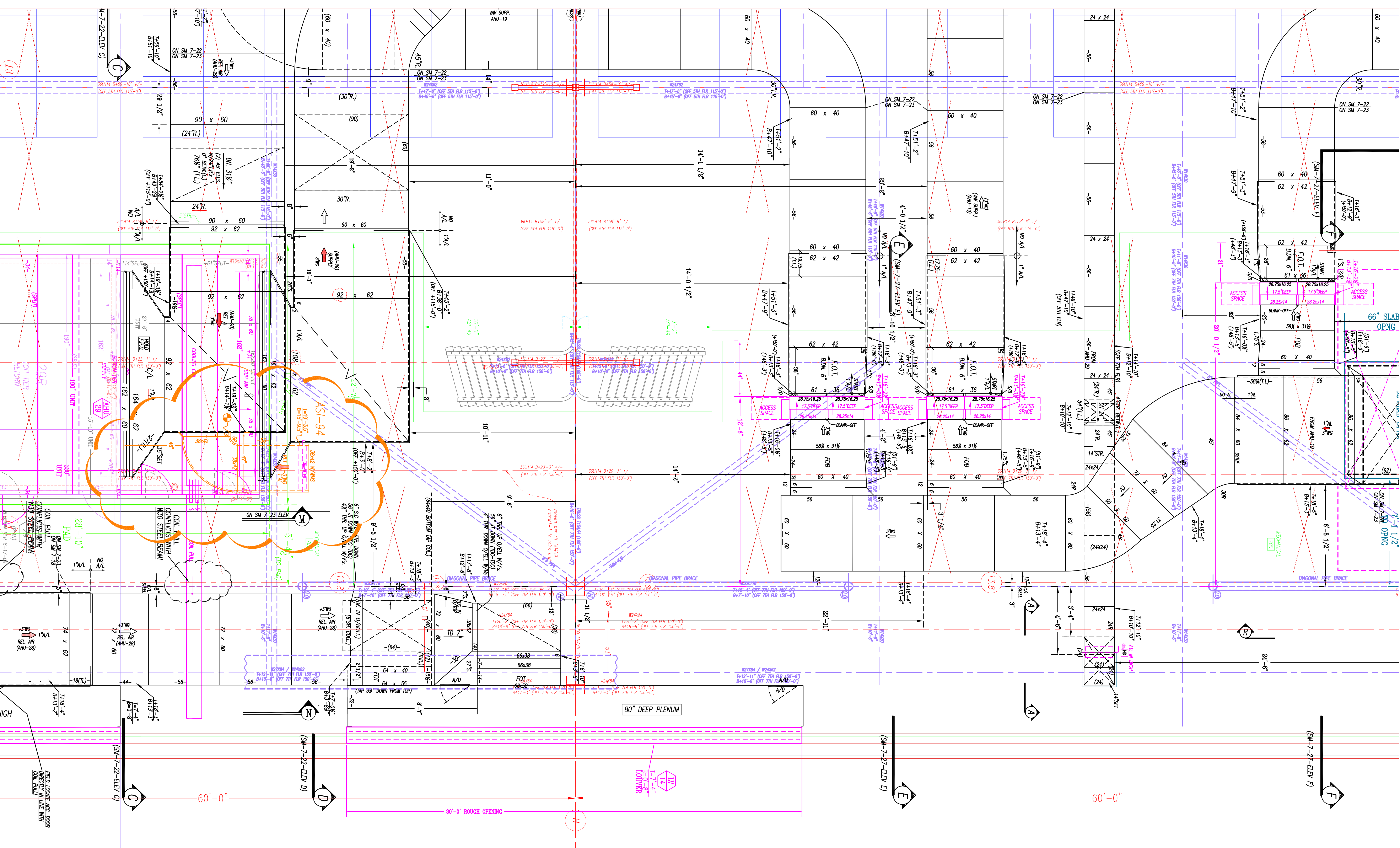
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BI	REVISED PER ASI-06	EG	08-09-10
C	FOR CONSTRUCTION	EG	08-18-10
I	REV'D PER ENGR'S COMMENTS	MSO	01-06-10
A	FOR APPROVAL	MO	10-28-09
NO	NO CHANGES	NO	10-28-09

Advantage
CONTRACTING INC.
A Minority Owned Business Enterprise

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www.advantagecontracts.com

PA CONVENTION CENTER
EXPANSION AND RENOVATION
LEVEL 7 PARTIAL DUCT PLAN

REVISED: 10-28-09
SCALE: 1/4" = 1'-0"



RECORD DRAWINGS
The Leading IV

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www.advantagecontracts.com

FA CONVENTION CENTER

EXPANSION AND RENOVATION

LEVEL 7 PARTIAL DUCT PLAN

DATE: 10-24-09

BY: M50

SCALE: AS SHOWN

PROJECT: FA CONVENTION CENTER

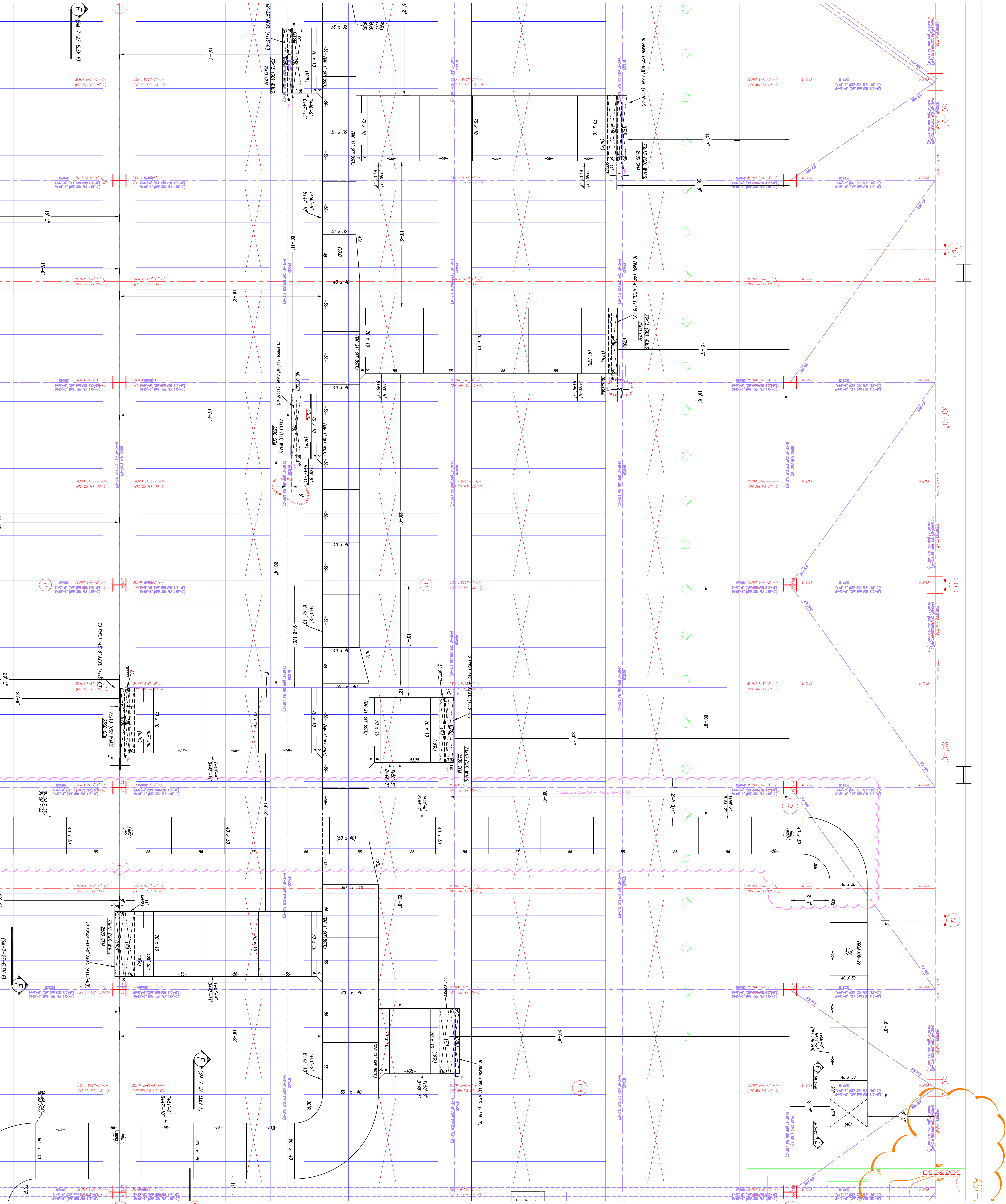
RECORD DRAWINGS
The Keating JV

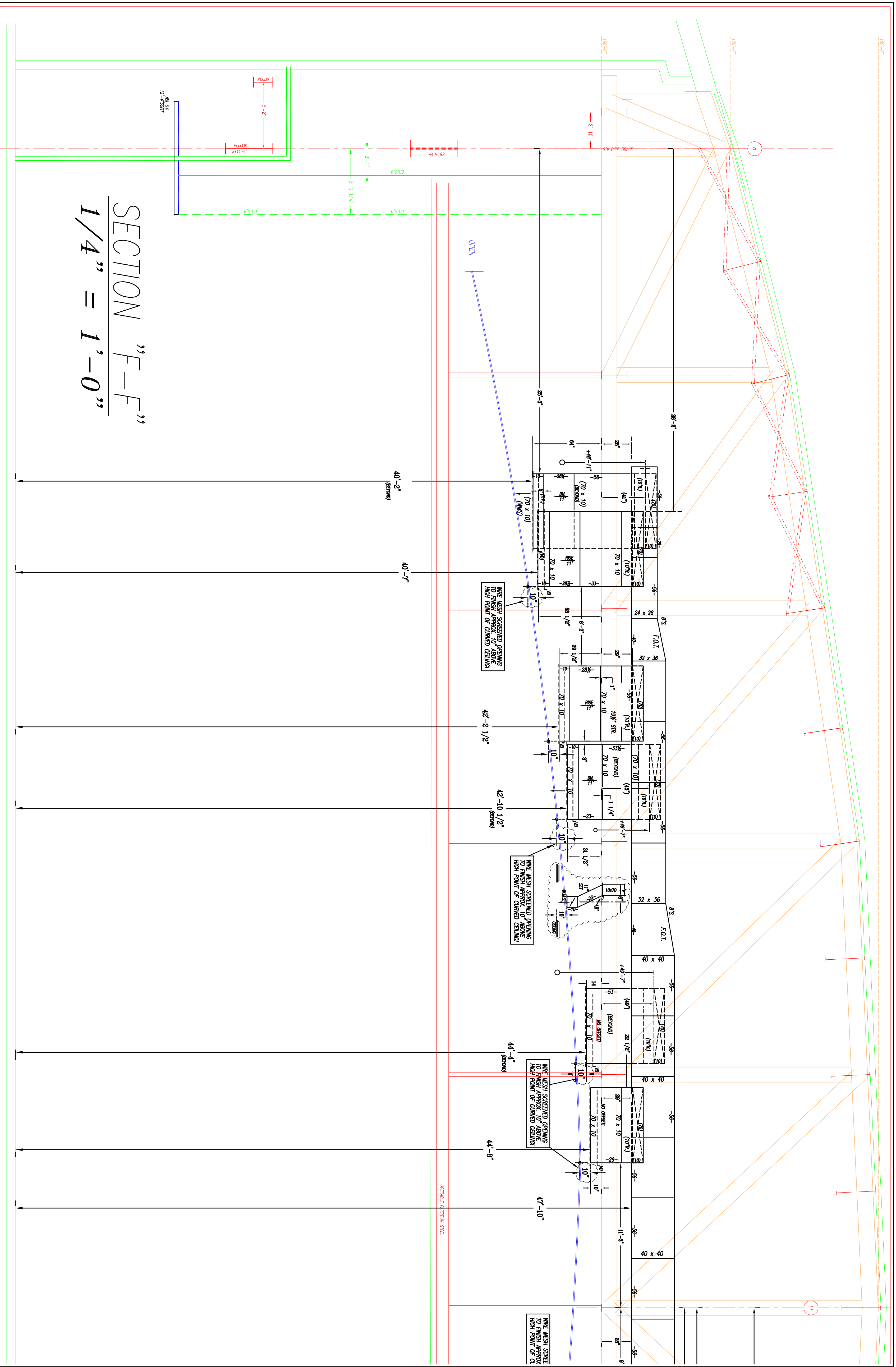
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SM-7-95	SM-7-96	SM-7-97
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NOTES:
1. ALL DUCT TO BE INSTALLED PER MECHANICAL CONSTRUCTION STANDARDS.
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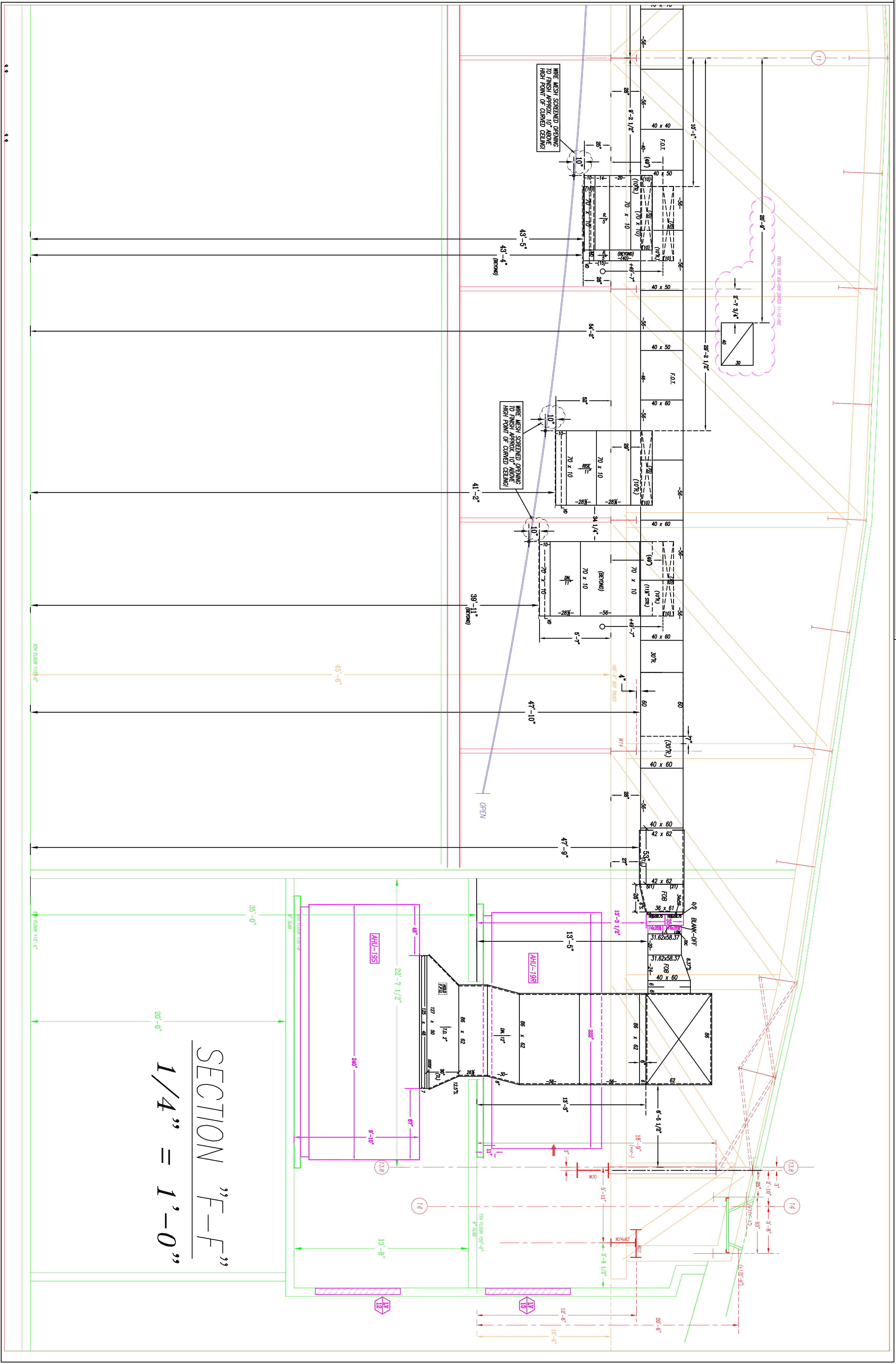
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C	FOR CONSTRUCTION	EG	08-19-10
S	SHOWN ON	EG	08-19-10
I	REV'D PER ENGINEER'S COMMENTS	MO	01-06-10
A	FOR APPROVAL	MO	01-06-10
1	FOR APPROVAL	MO	01-06-10

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EXPANSION AND RENOVATION
TITLE: LEVEL 7 PARTIAL DUCT PLAN
DATE: 10-28-09
SCALE: AS SHOWN
PROJECT: SM-7-27





SECTION "F-F"
1/4" = 1'-0"



SECTION "F-F"
1/4" = 1'-0"

- NOTES:
- 1 - ALL DUCT TO BE PROVIDED PER MECHANICAL CONSTRUCTION STANDARDS
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RECORD DRAWINGS
The Keating IV

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EXPANSION AND RENOVATION

LEVEL 7 PARTIAL DUCT PLAN

REVISED: 10-28-09

BY: MSO

DATE: 10-28-09

REVISED: 10-28-09

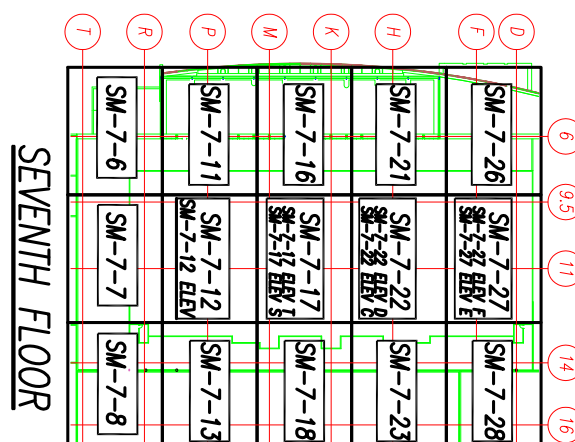
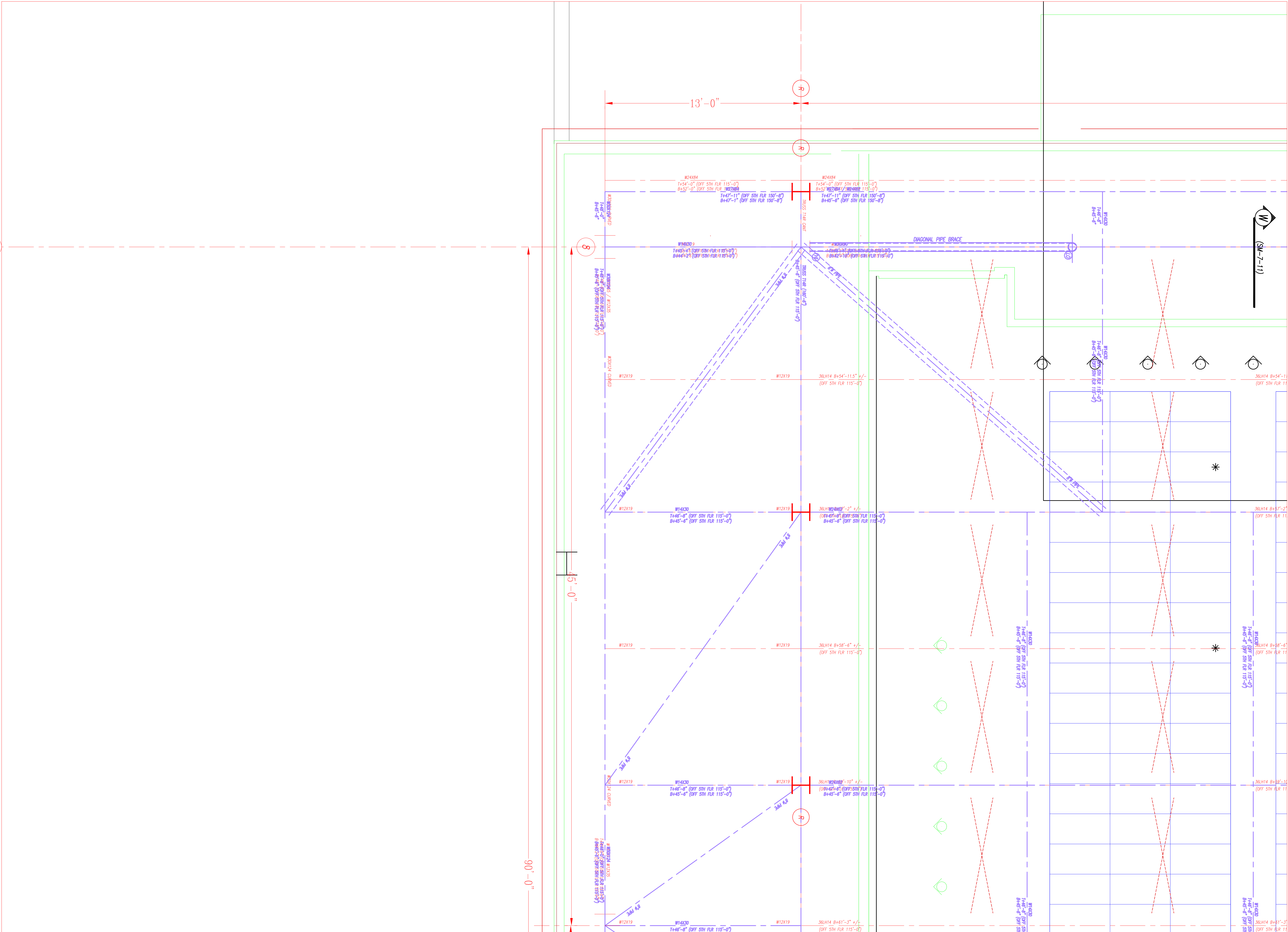
BY: MSO

DATE: 10-28-09

REVISED: 10-28-09

BY: MSO

DATE: 10-28-09



RECORD DRAWINGS
The Keating JV

NOTES:
1. - ALL WORK TO BE PERFORMED PER APPLICABLE CONSTRUCTION STANDARDS
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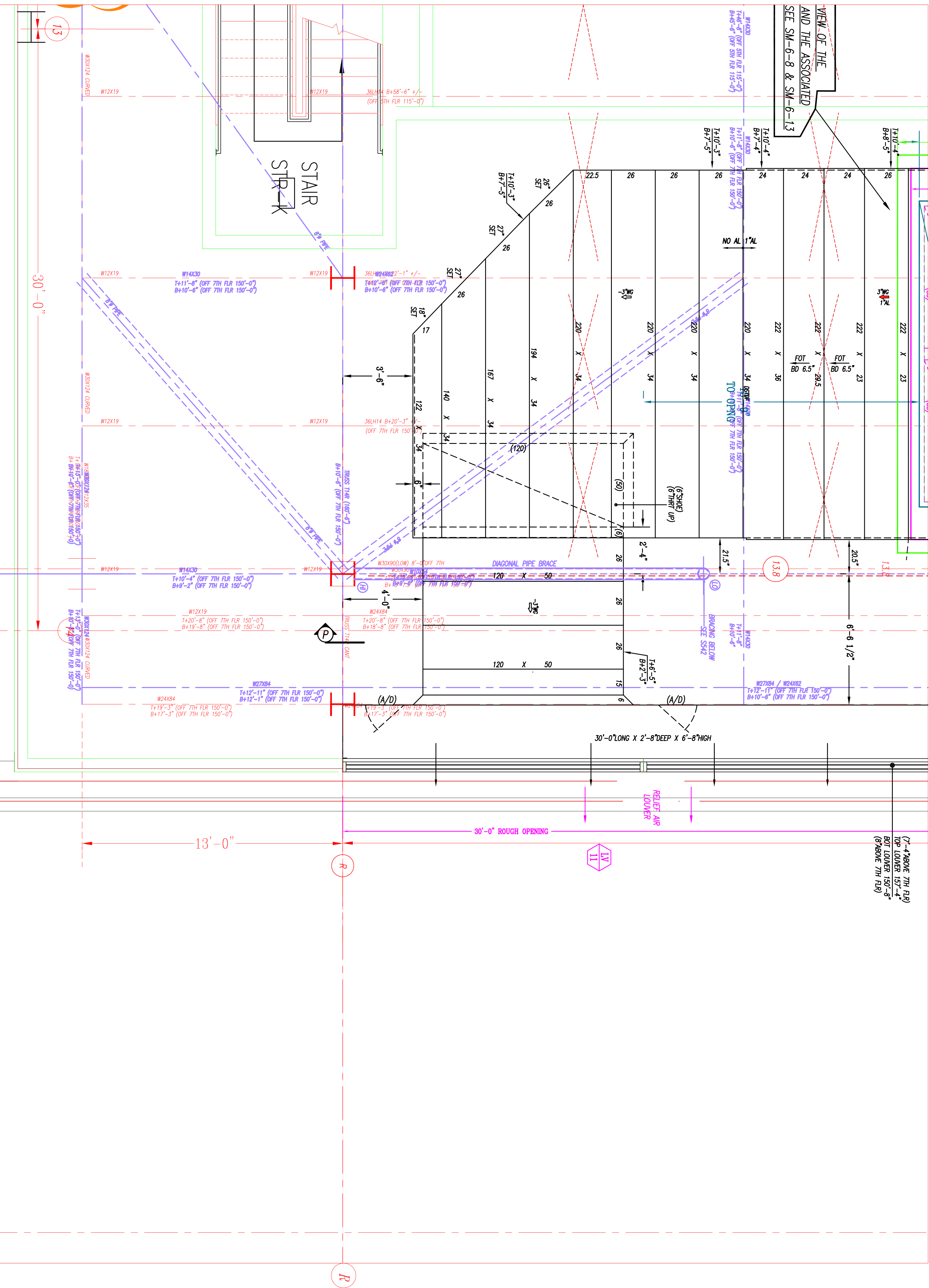
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C	FOR CONSTRUCTION	EG	08-18-10
S	SIGN OFF	EG	08-04-10
A	FOR APPROVAL	MO	11-24-09
NO	NO	NO	NO



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EXPANSION AND RENOVATION
LEVEL 7 PARTIAL DUCT PLAN

REV	DATE	BY	CHK	APP
1	11-24-09	EG	EG	MO



RECORD DRAWINGS
The Keating JV

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NOTES:
1. ALL DUCT TO BE CONNECTED TO EXISTING CONSTRUCTION STANDARDS.
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C	FOR CONSTRUCTION	EG	08-18-10
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I	REV'D. PER ARCH'S COMMENTS	MSO	11-18-09
A	FOR APPROVAL	MSO	10-18-09
N	NOTED	MSO	10-18-09

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REVISED	DATE	BY	CHK	APP	DATE	BY	CHK	APP
10-18-09	10-18-09	MSO	MSO	MSO	10-18-09	MSO	MSO	MSO