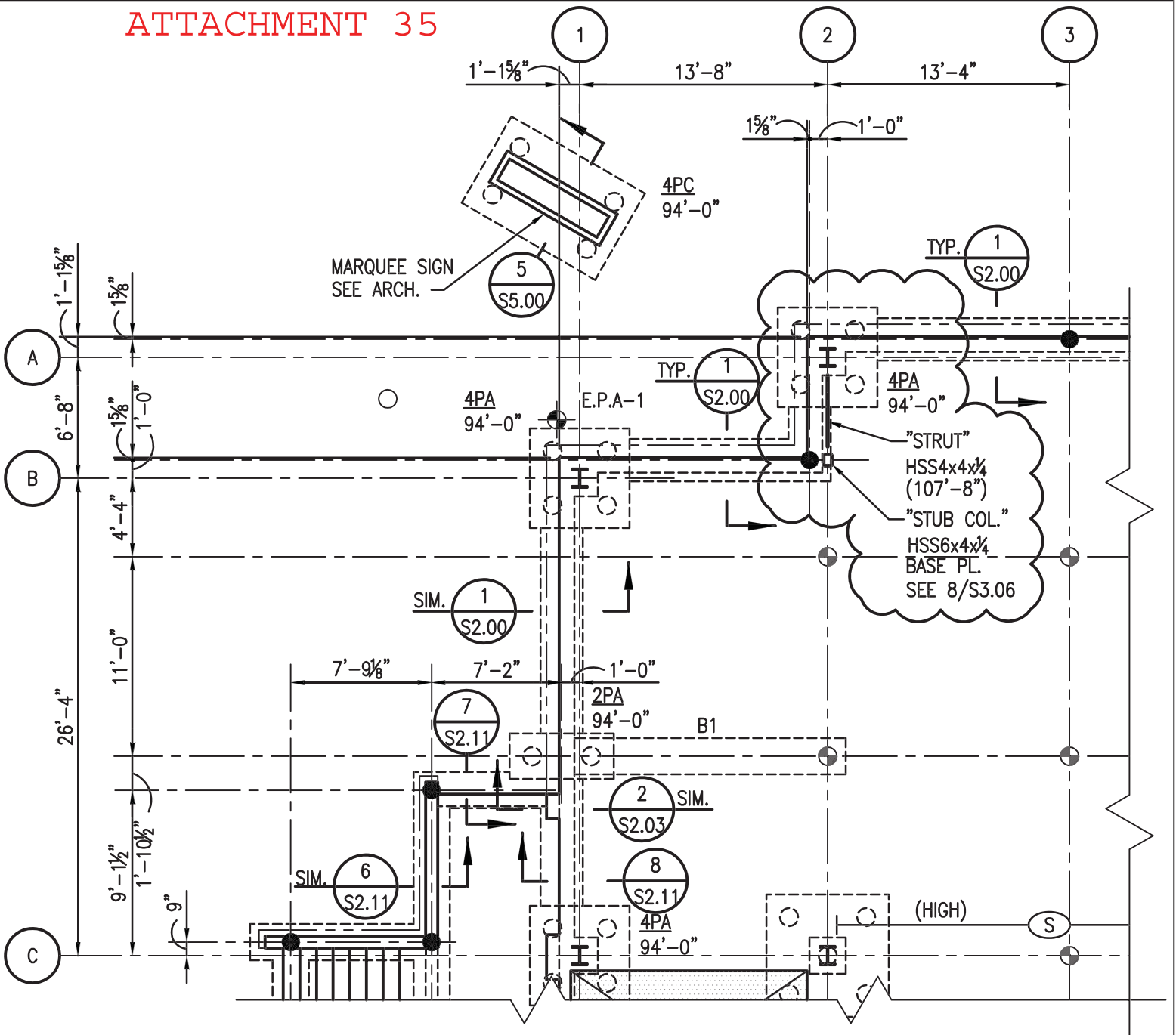


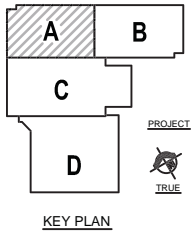
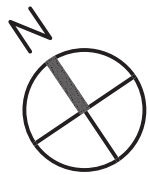
# ATTACHMENT 35



PLAN NOTES: UNLESS NOTED OTHERWISE:  
 1. SEE 1/S1.01 FOR PLAN NOTES.

## 1 PART FOUNDATION AND FIRST FLOOR FRAMING PLAN

S1.01 1/8"=1'-0"



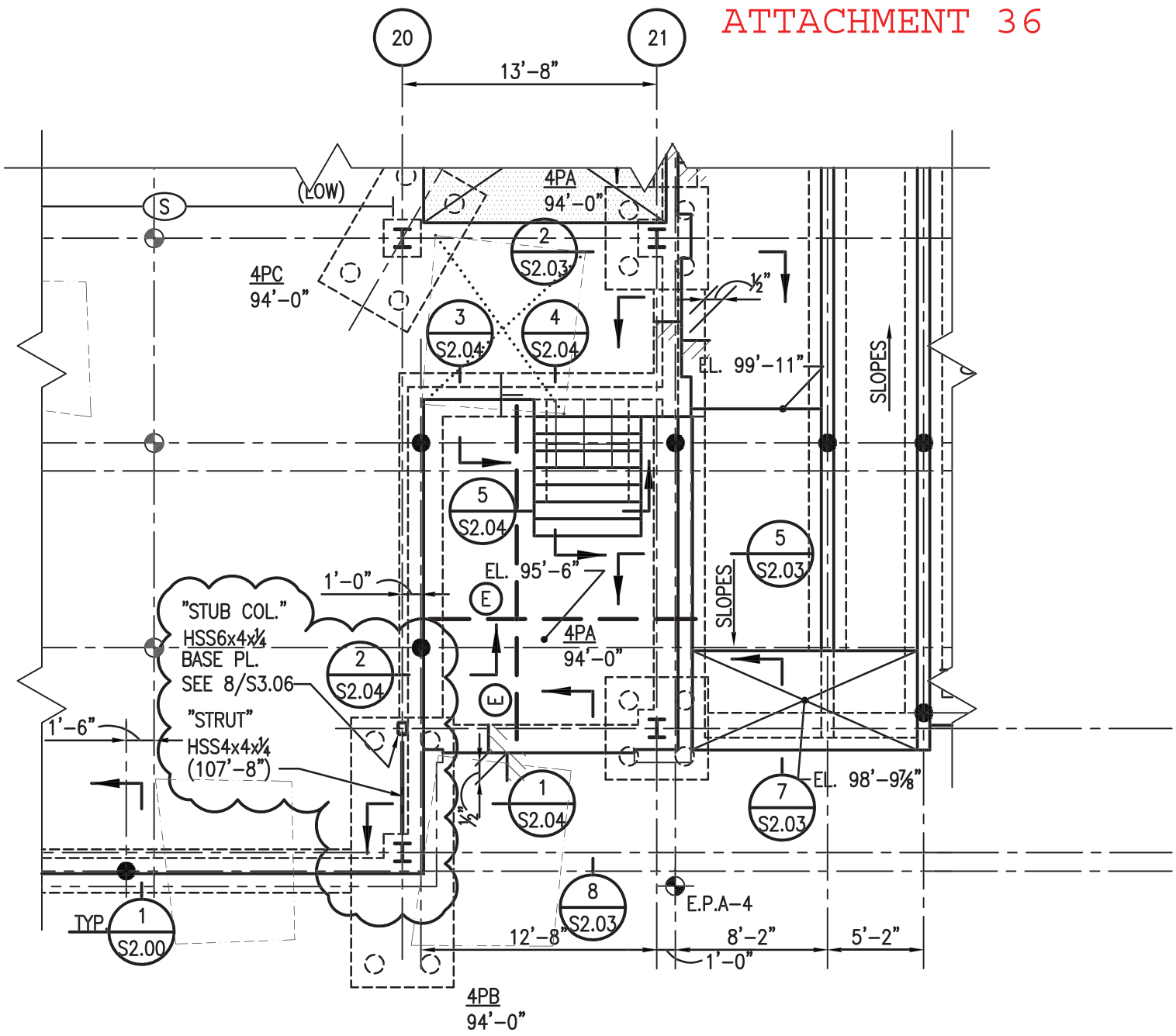
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11085  
 TITLE: REVISED PART FDN. & 1ST FLOOR FRAMING PLAN  
 SHEET: SK-1/S1.01 BID DOCUMENTS

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 REVISED: ADDENDUM 02-23 JANUARY 2013  
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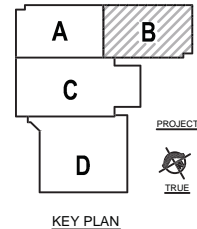
NEW 3 SECTION ELEMENTARY SCHOOL  
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 1. SEE 1/S1.01 FOR PLAN NOTES.

**1** PART FOUNDATION AND FIRST FLOOR  
 S1.02 FRAMING PLAN 1/8"=1'-0"

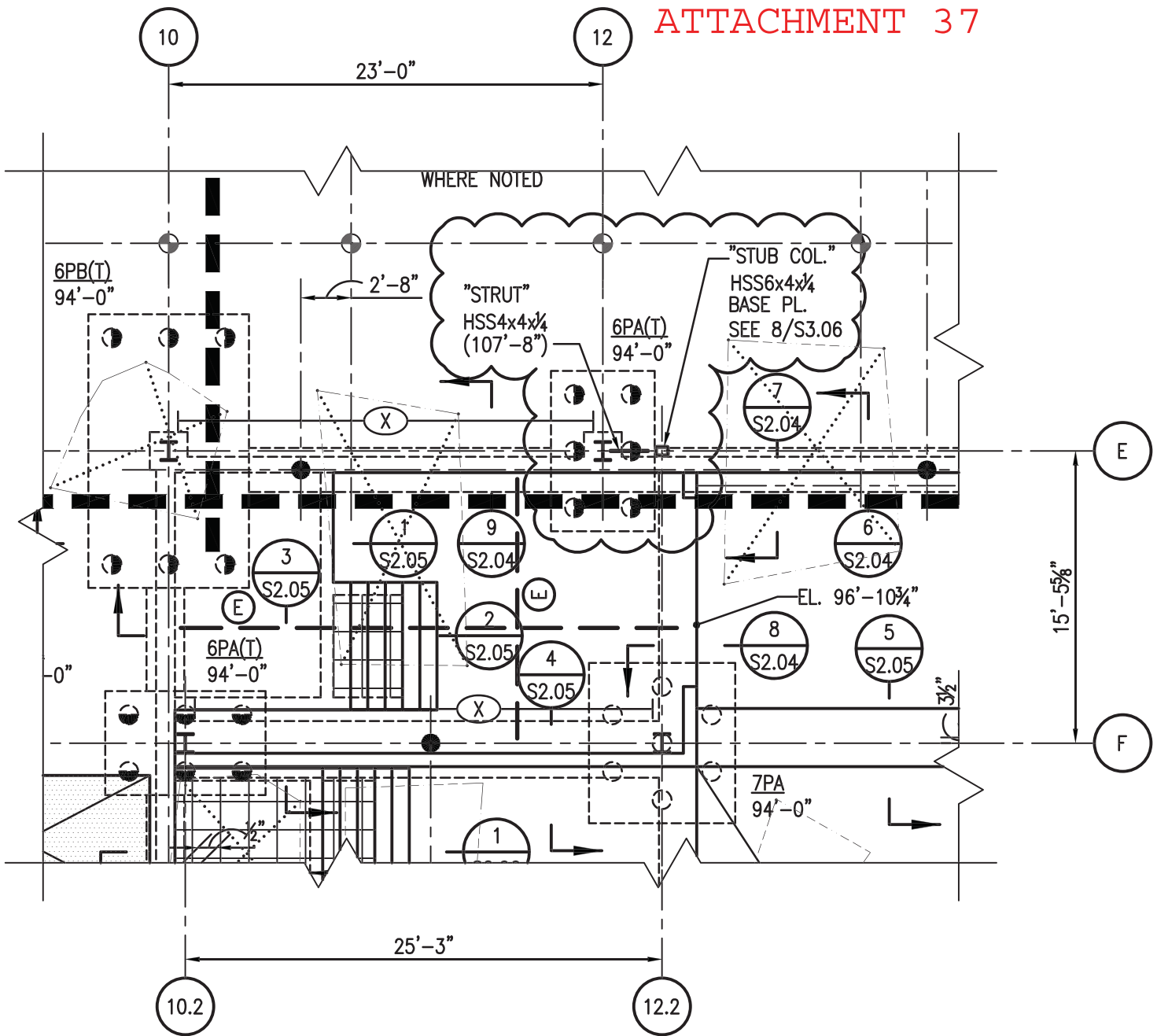


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 SHEET: SK-1/S1.02 BID DOCUMENTS

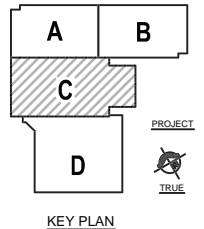
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 1. SEE 1/S1.01 FOR PLAN NOTES.

**1** PART FOUNDATION AND FIRST FLOOR  
 S1.02 FRAMING PLAN  
 1/8" = 1'-0"



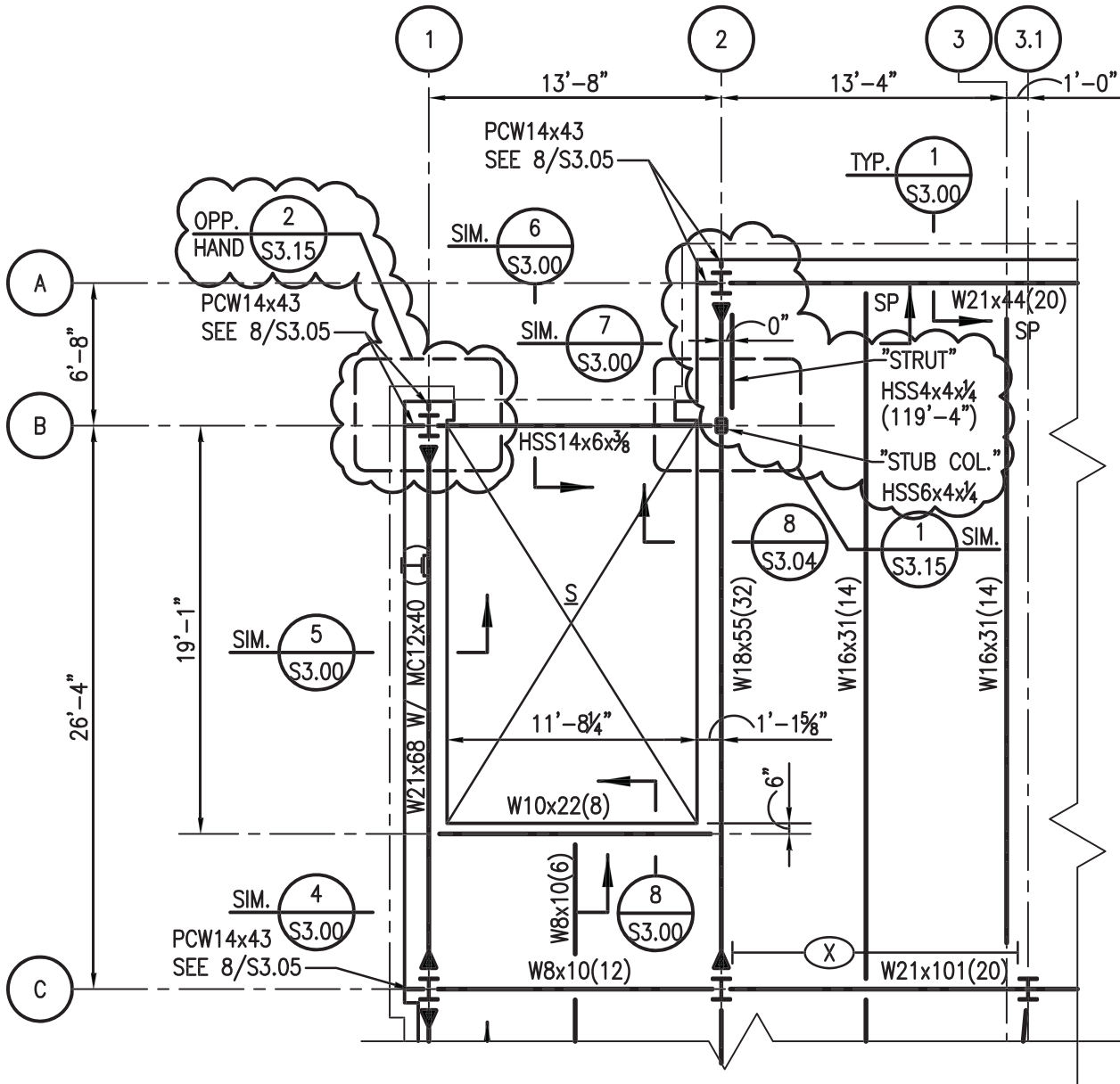
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 PHASE:  
 TITLE: REVISED PART 3RD FLOOR FRAMING PLAN  
 SHEET: SK-2/S1.02 BID DOCUMENTS

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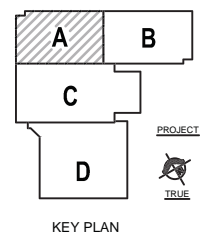


PLAN NOTES: UNLESS NOTED OTHERWISE:  
 1. SEE 1/S1.05 FOR PLAN NOTES.

**1** PART SECOND FLOOR FRAMING PLAN  
 S1.05 1/8"=1'-0"



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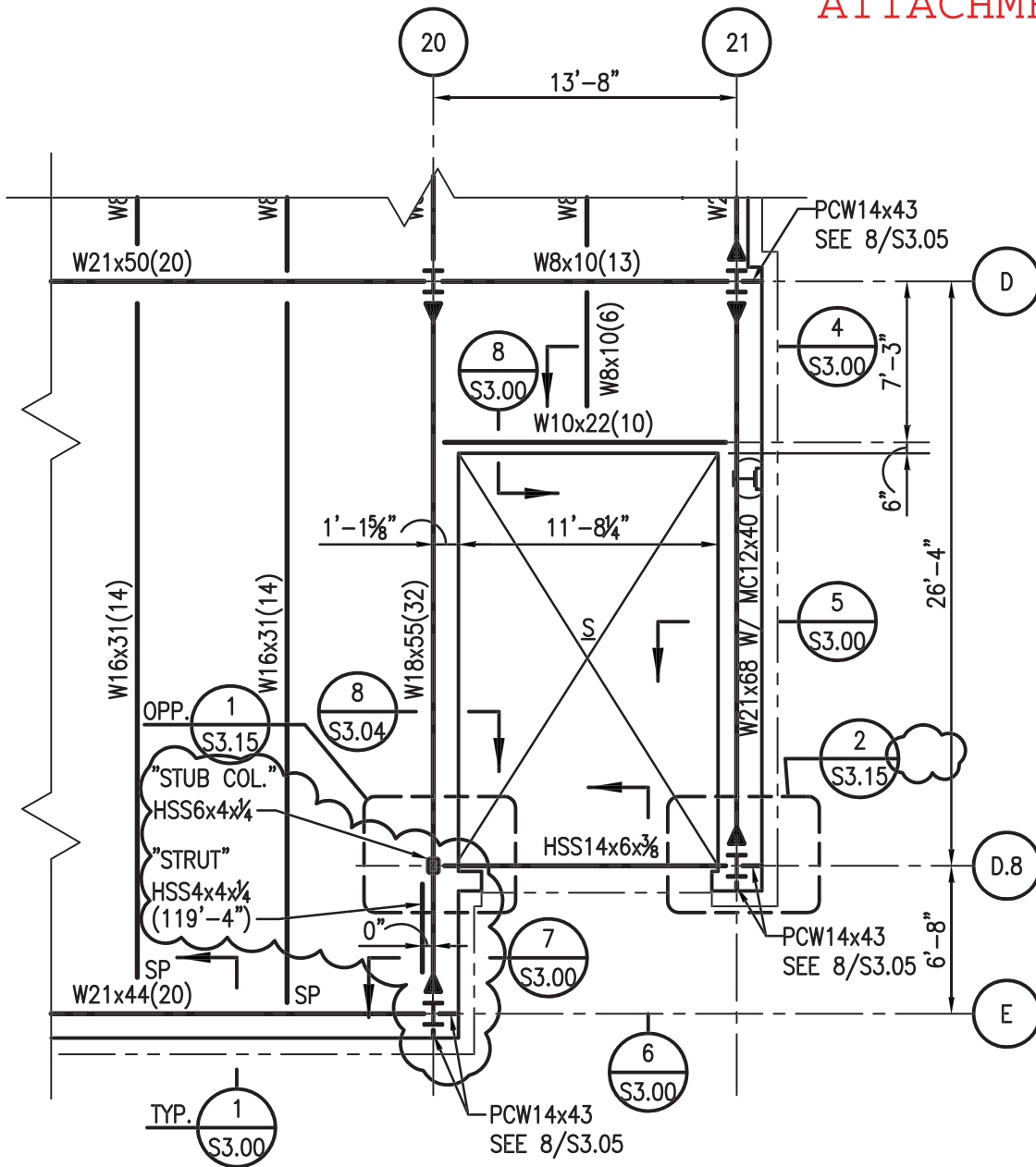
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 SHEET: SK-1/S1.05 BID DOCUMENTS

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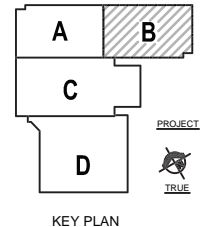
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 1. SEE 1/S1.05 FOR PLAN NOTES.

**1 PART SECOND FLOOR FRAMING PLAN**  
 S1.06 1/8"=1'-0"

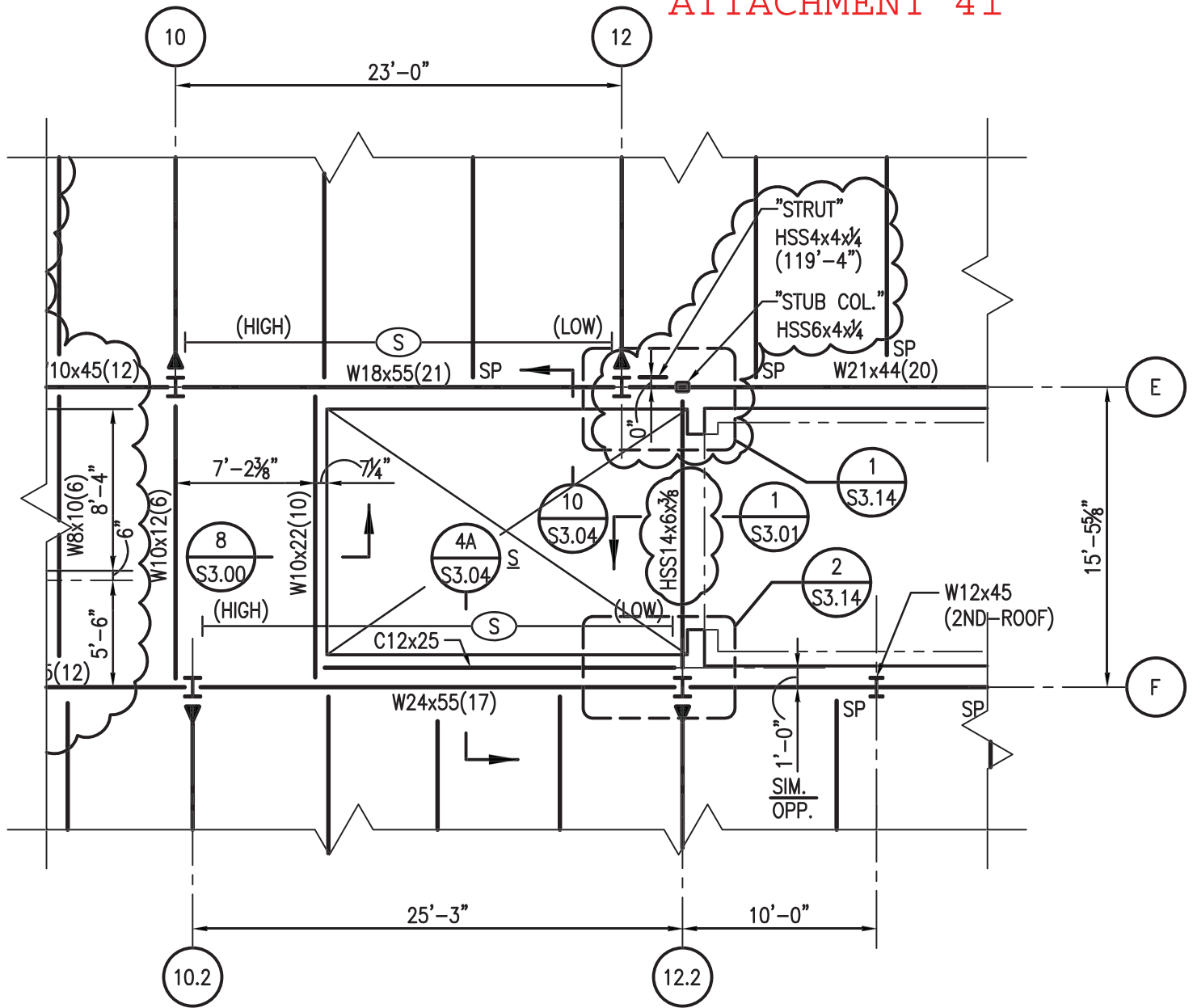


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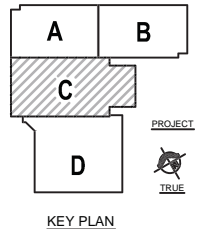
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**1** PART SECOND FLOOR FRAMING PLAN  
 S1.07 1/8"=1'-0"



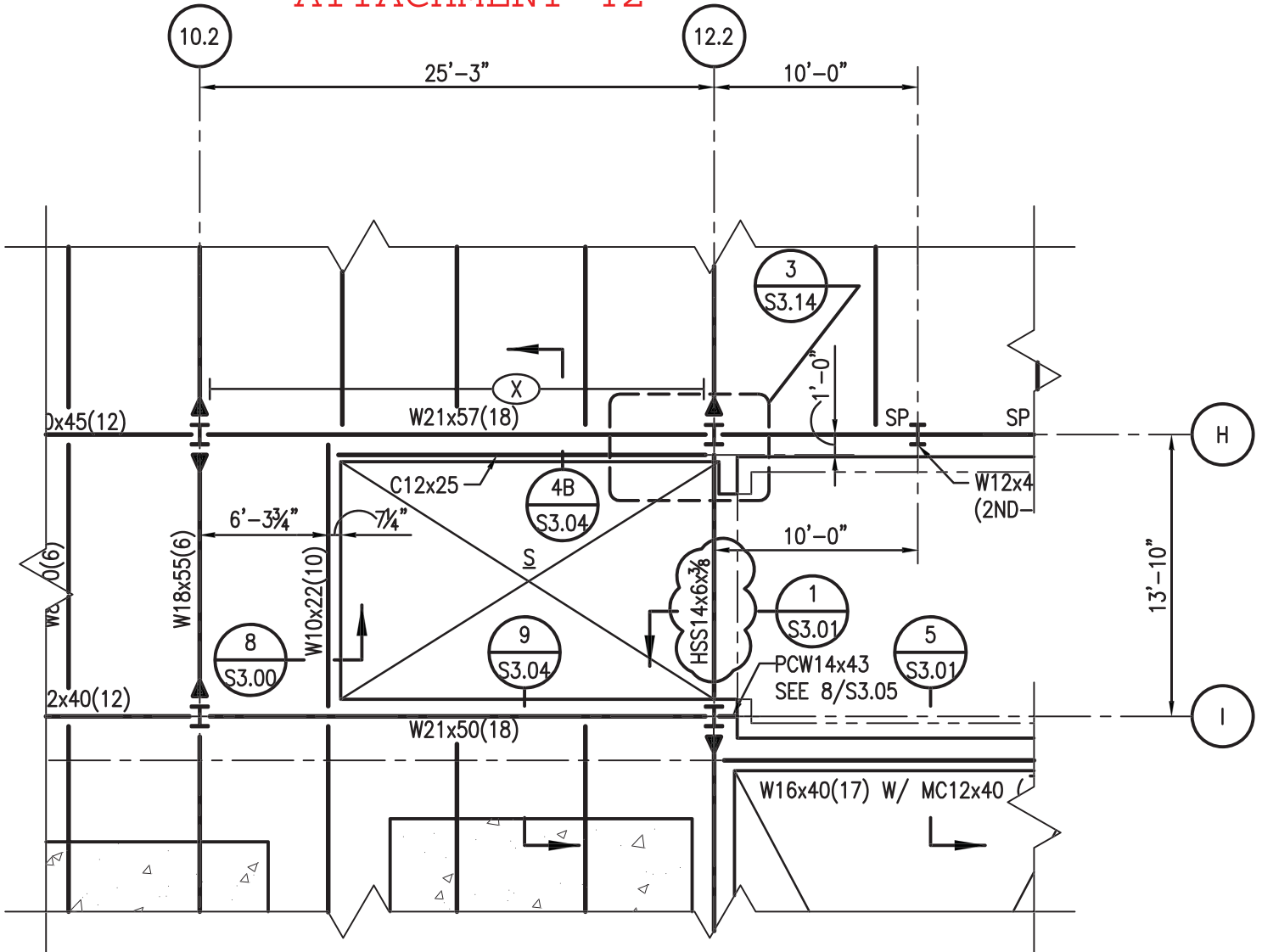
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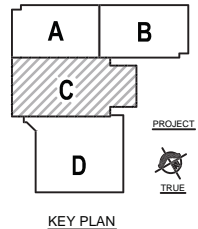


PLAN NOTES: UNLESS NOTED OTHERWISE:  
1. SEE 1/S1.05 FOR PLAN NOTES.

1 PART SECOND FLOOR FRAMING PLAN  
S1.07 1/8"=1'-0"



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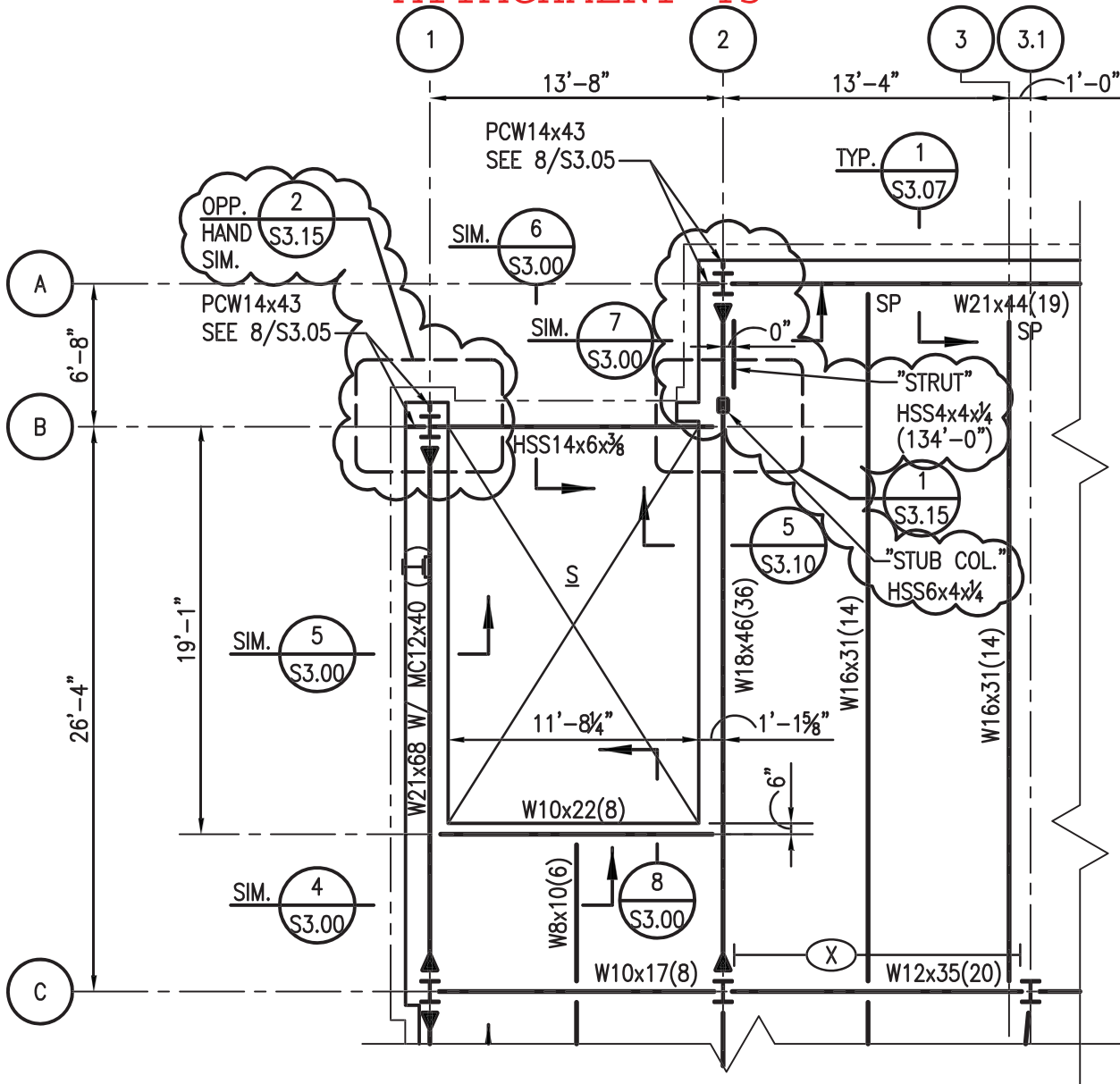
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SHEET: SK-2/S1.07 BID DOCUMENTS

DATE ISSUED: 7 DECEMBER 2012  
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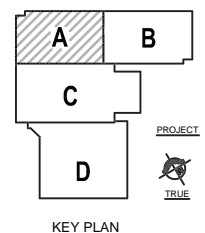


PLAN NOTES: UNLESS NOTED OTHERWISE:  
 1. SEE 1/S1.09 FOR PLAN NOTES.

**1** PART THIRD FLOOR FRAMING PLAN  
 S1.09 1/8"=1'-0"



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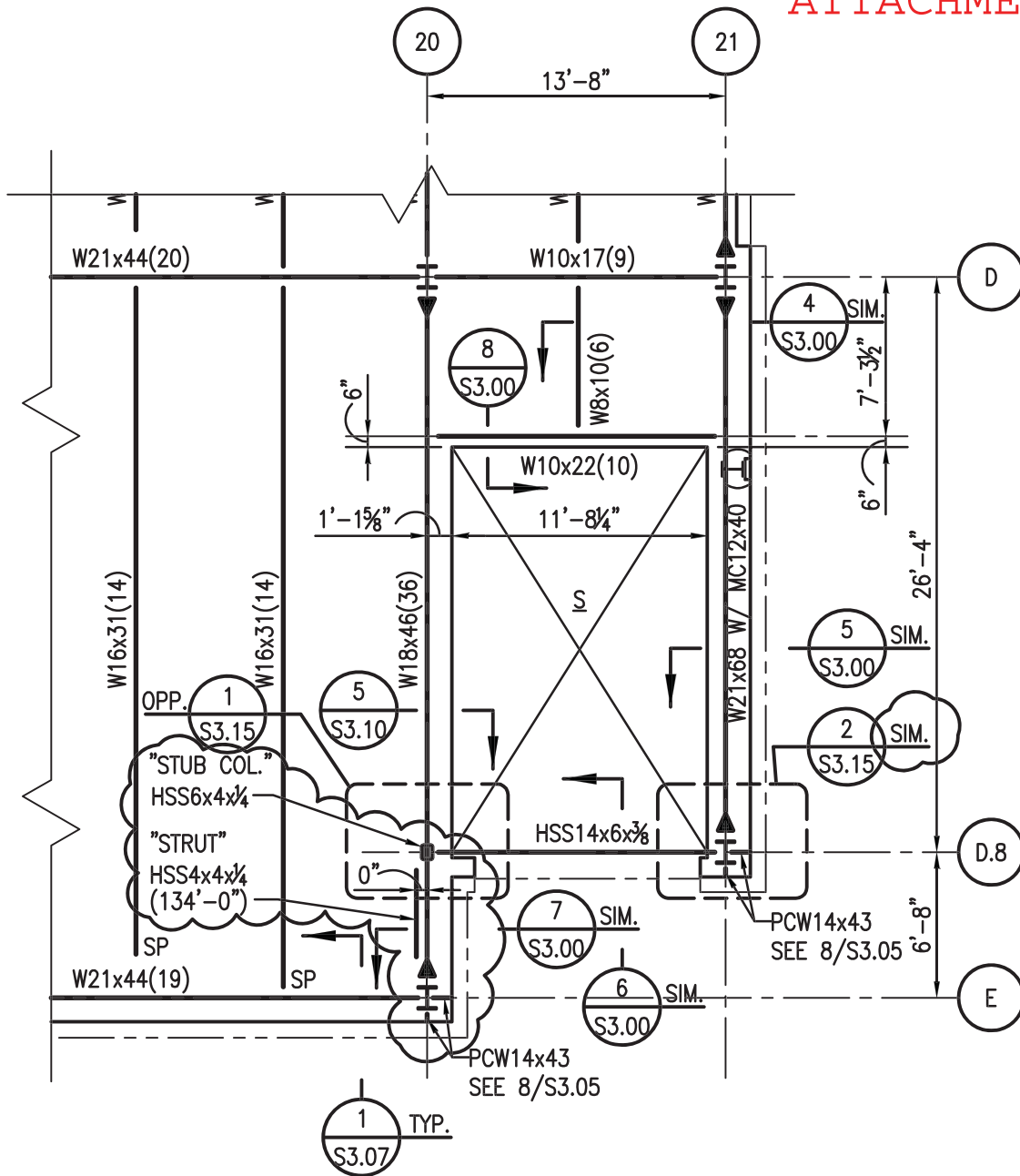


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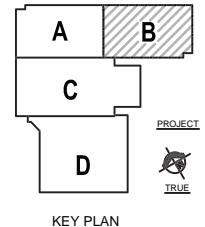
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**1 PART THIRD FLOOR FRAMING PLAN**  
 S1.10 1/8"=1'-0"

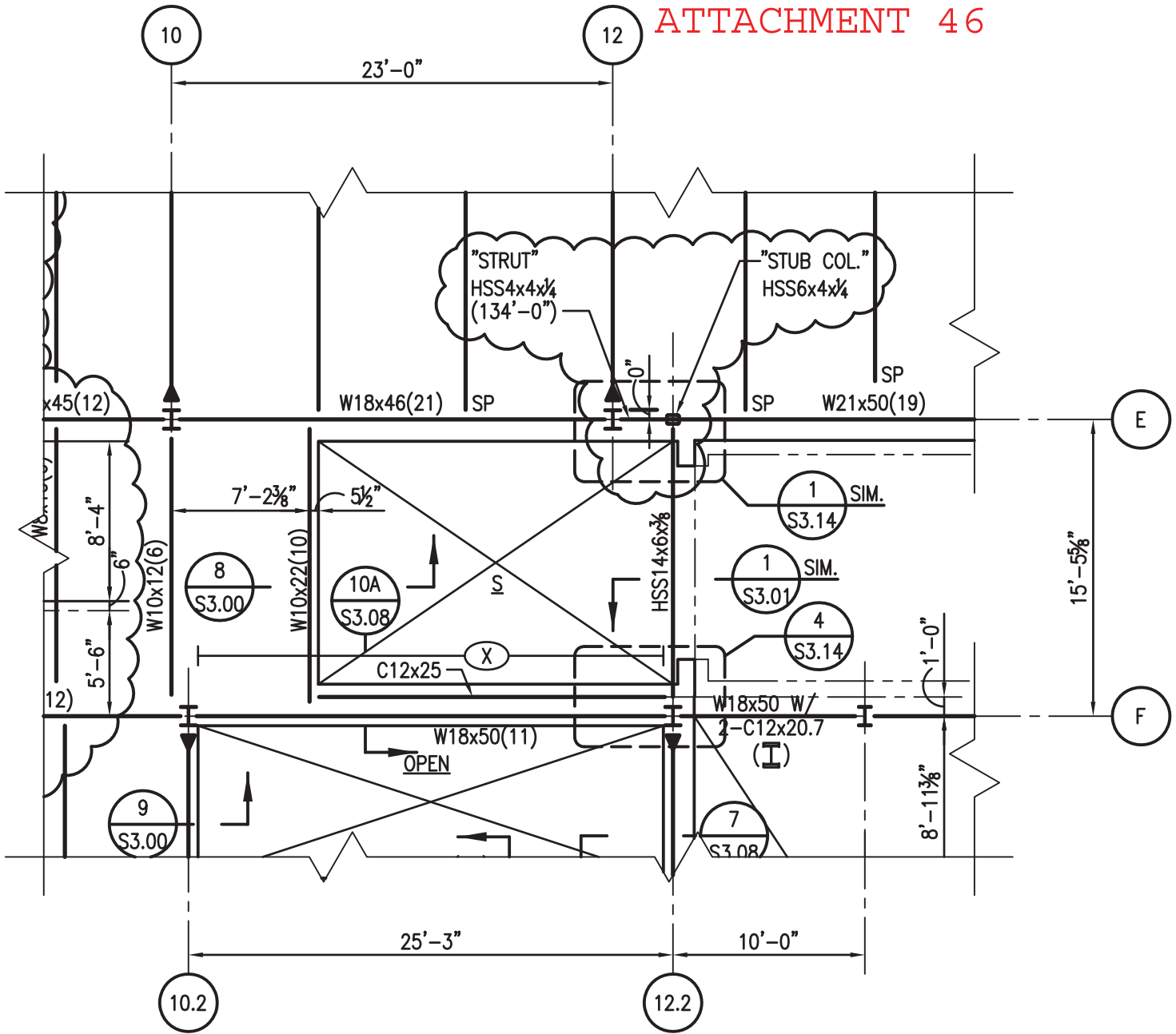


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 TITLE: REVISED PART 3RD FLOOR FRAMING PLAN  
 SHEET: SK-1/S1.10 BID DOCUMENTS

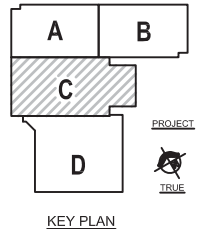
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**1** PART THIRD FLOOR FRAMING PLAN  
 S1.10 1/8"=1'-0"



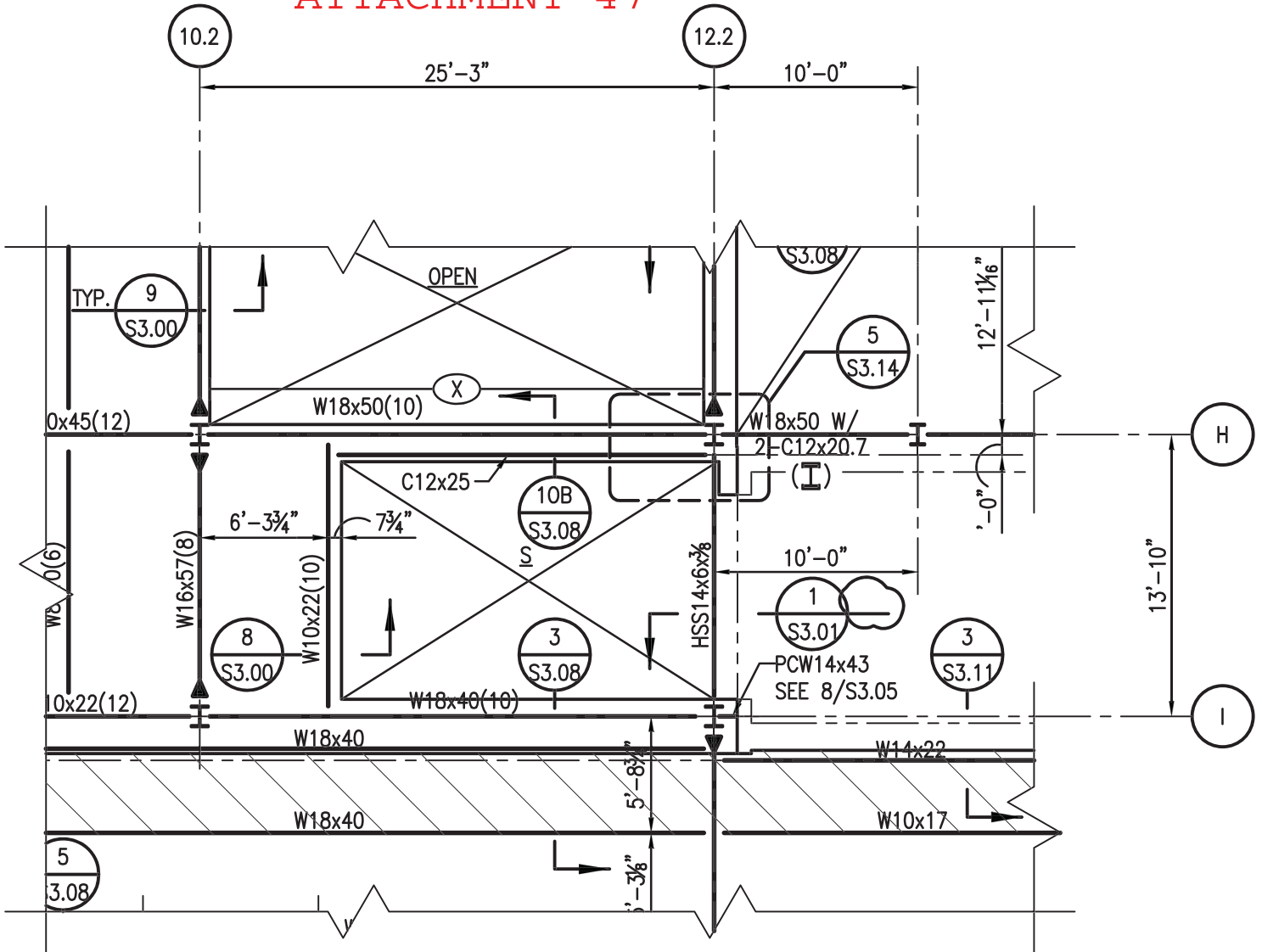
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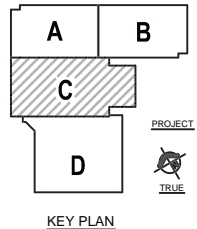


PLAN NOTES: UNLESS NOTED OTHERWISE:  
 1. SEE 1/S1.09 FOR PLAN NOTES.

1 PART THIRD FLOOR FRAMING PLAN  
 S1.11 1/8"=1'-0"



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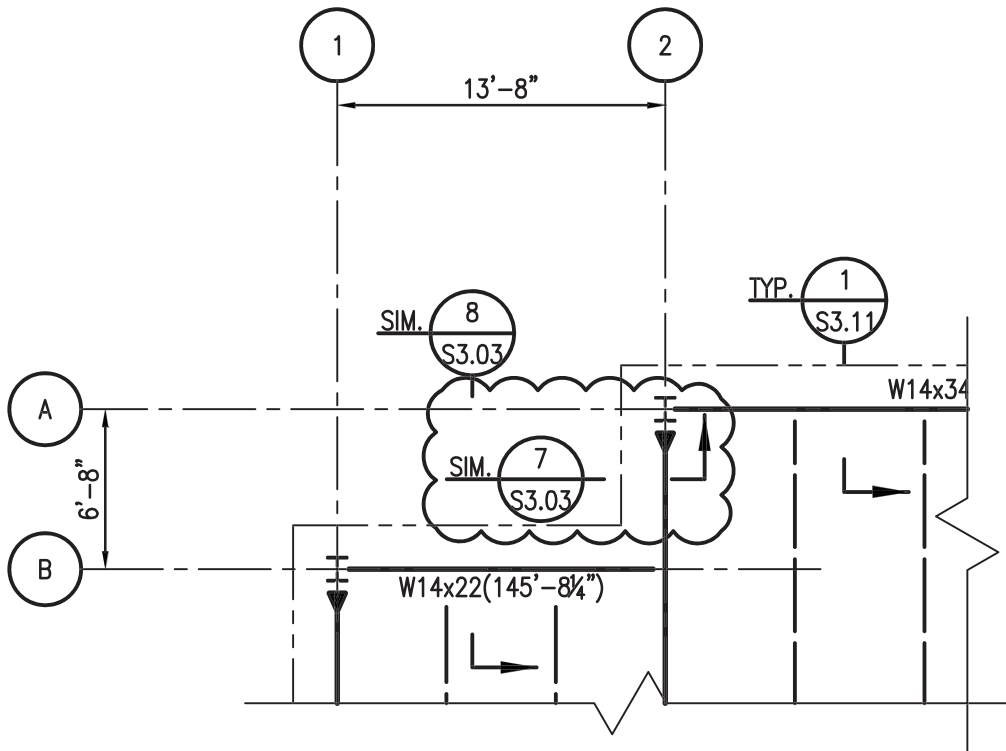


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 REVISED:  
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 PHASE:  
 TITLE: REVISED PART 3RD FLOOR FRAMING PLAN  
 SHEET: SK-1/S1.11 BID DOCUMENTS

NEW 3 SECTION ELEMENTARY SCHOOL  
 AT FISK-HOWARD SCHOOL  
 RECOVERY SCHOOL DISTRICT

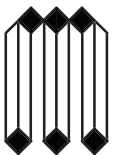


ATTACHMENT 48

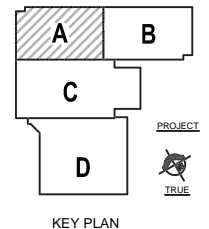


PLAN NOTES: UNLESS NOTED OTHERWISE:  
 1. SEE SHEET 1/S1.13 FOR PLAN NOTES

**1** PART ROOF FRAMING PLAN  
 S1.13 1/8" = 1'-0"



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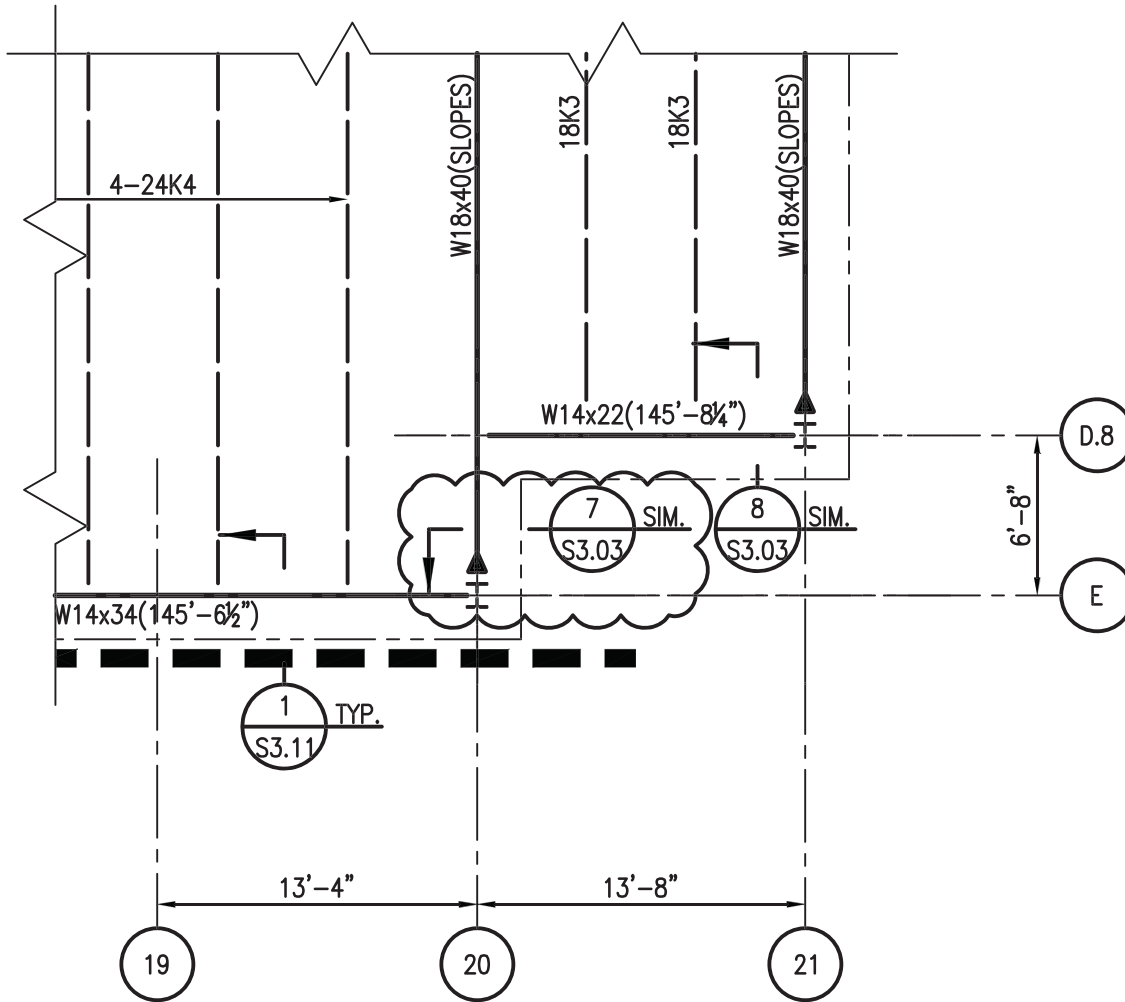
NEW 3 SECTION ELEMENTARY SCHOOL  
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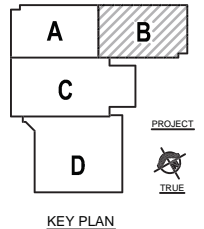


PLAN NOTES: UNLESS NOTED OTHERWISE:  
 1. SEE SHEET 1/S1.13 FOR PLAN NOTES

1 PART ROOF FRAMING PLAN  
 S1.14 1/8" = 1'-0"



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11085  
 TITLE: REVISED PART ROOF FRAMING PLAN  
 SHEET: SK-1/S1.14 BID DOCUMENTS

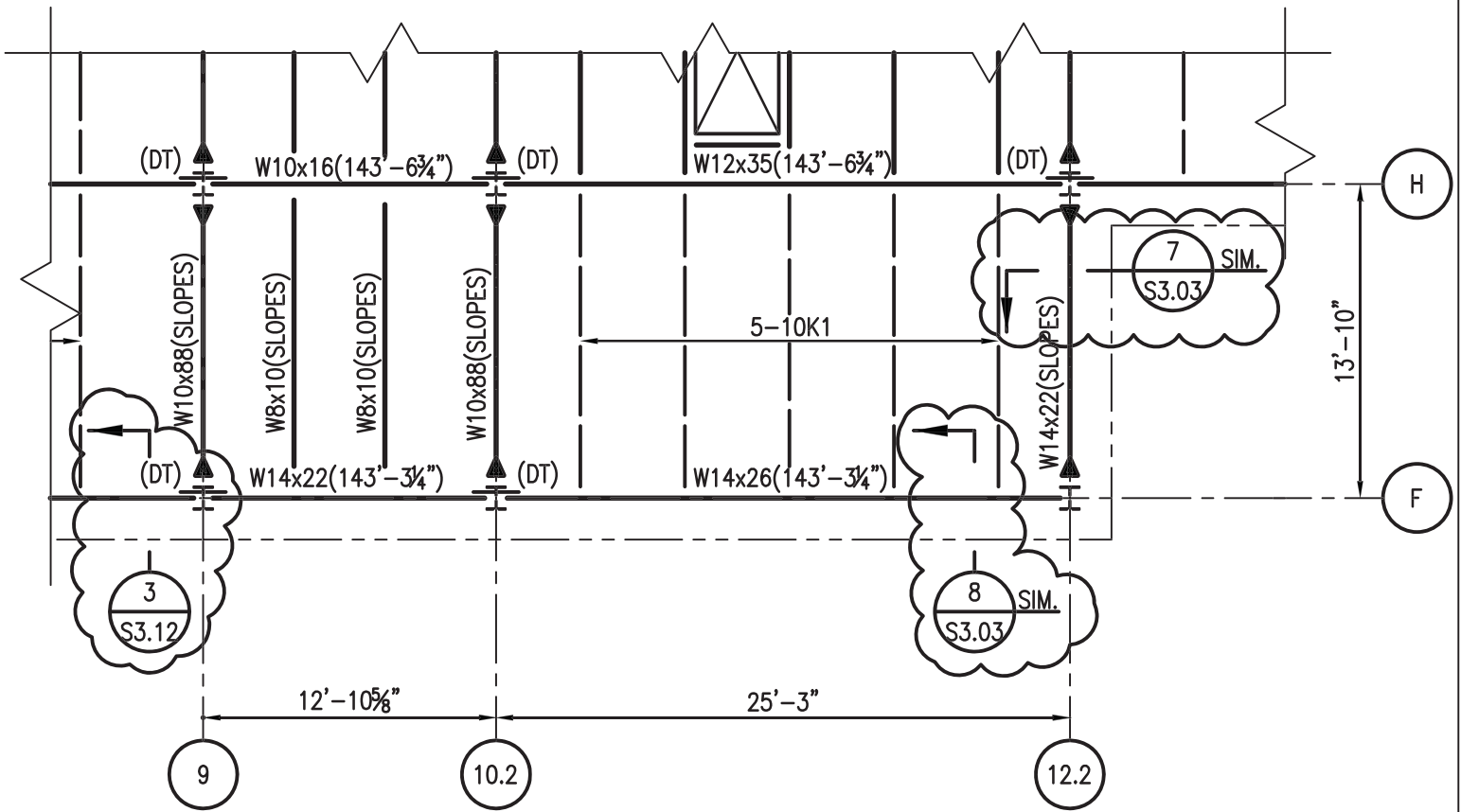
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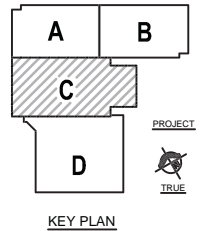
PLAN NOTES: UNLESS NOTED OTHERWISE:  
 1. SEE SHEET 1/S1.13 & 1/S1.15 FOR PLAN NOTES

## 1 PART ROOF FRAMING PLAN

S1.15 1/8" = 1'-0"



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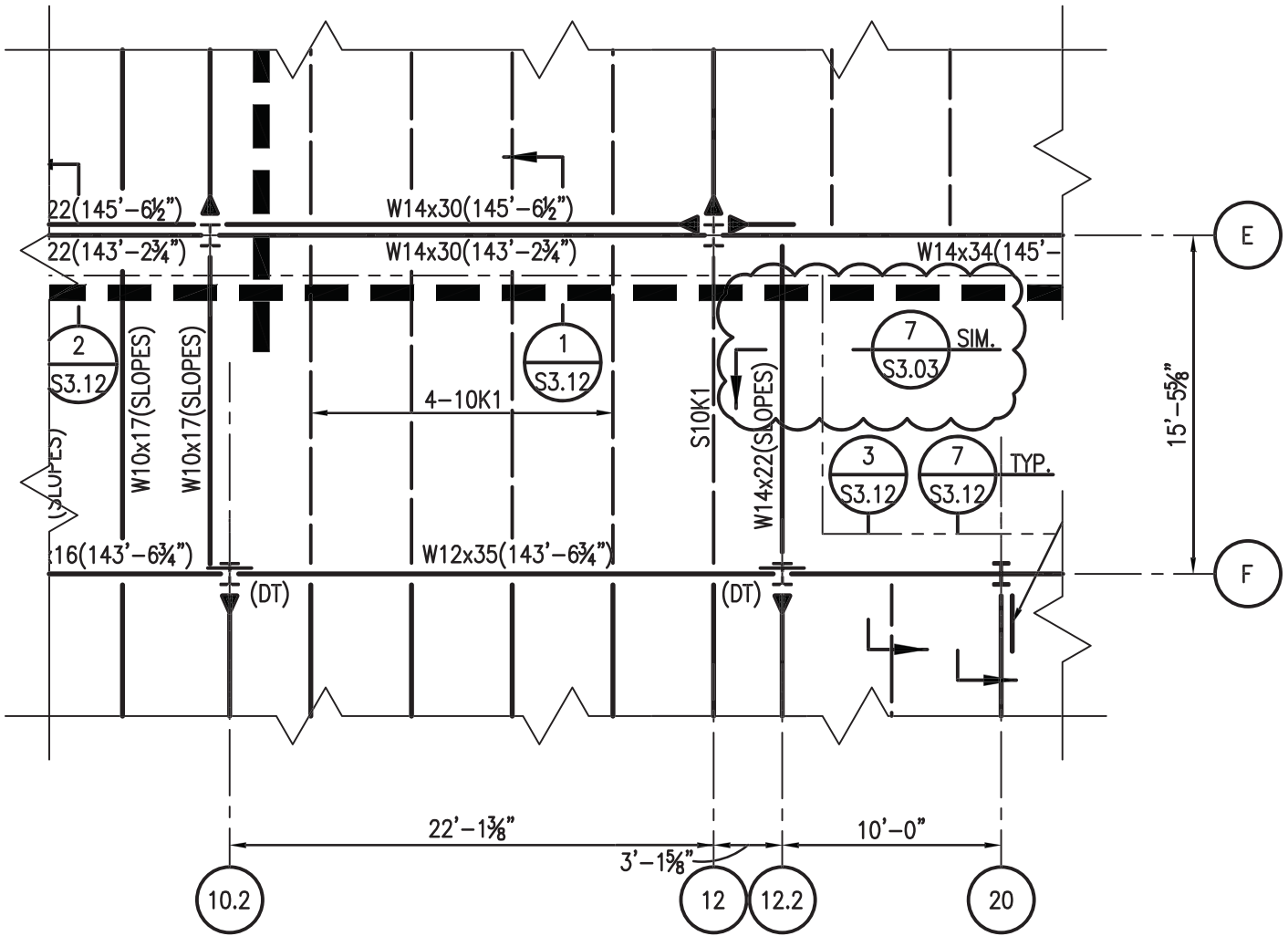
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 SHEET: SK-1/S1.15 BID DOCUMENTS

DATE ISSUED: 7 DECEMBER 2012  
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# ATTACHMENT 51

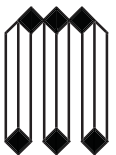


PLAN NOTES: UNLESS NOTED OTHERWISE:  
 1. SEE SHEET 1/S1.13 & 1/S1.15 FOR PLAN NOTES

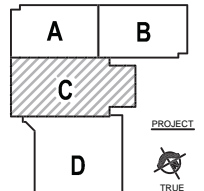
1  
S1.15

## PART ROOF FRAMING PLAN

1/8" = 1'-0"



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KEY PLAN

11085

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 ROOF FRAMING PLAN

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### NEW 3 SECTION ELEMENTARY SCHOOL AT FISK-HOWARD SCHOOL

RECOVERY SCHOOL DISTRICT

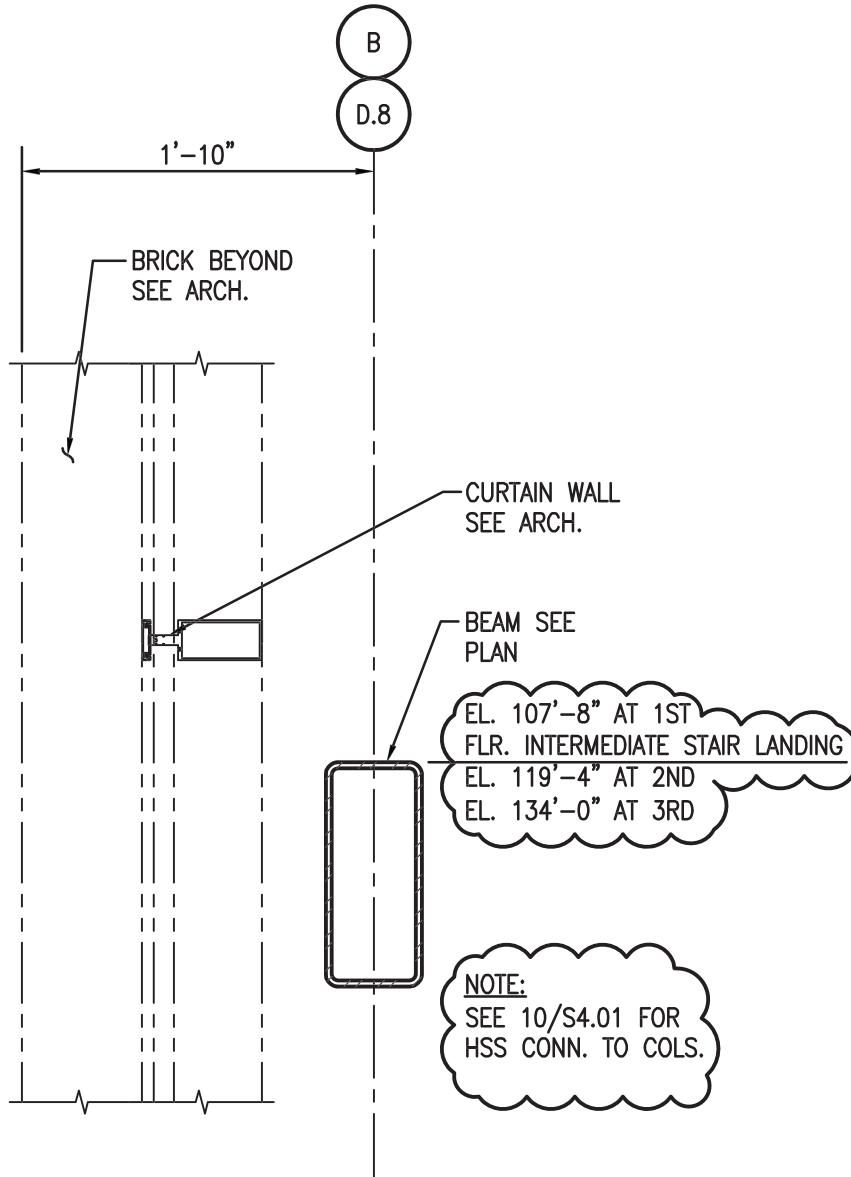
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# ATTACHMENT 52



6
S3.00
SECTION-1ST FLOOR INTERMEDIATE STAIR LANDING, 2ND & 3RD FLOOR
1"=1'-0"



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TITLE:  
REVISED SECTION

SHEET: SK-1/S3.00 BID DOCUMENTS

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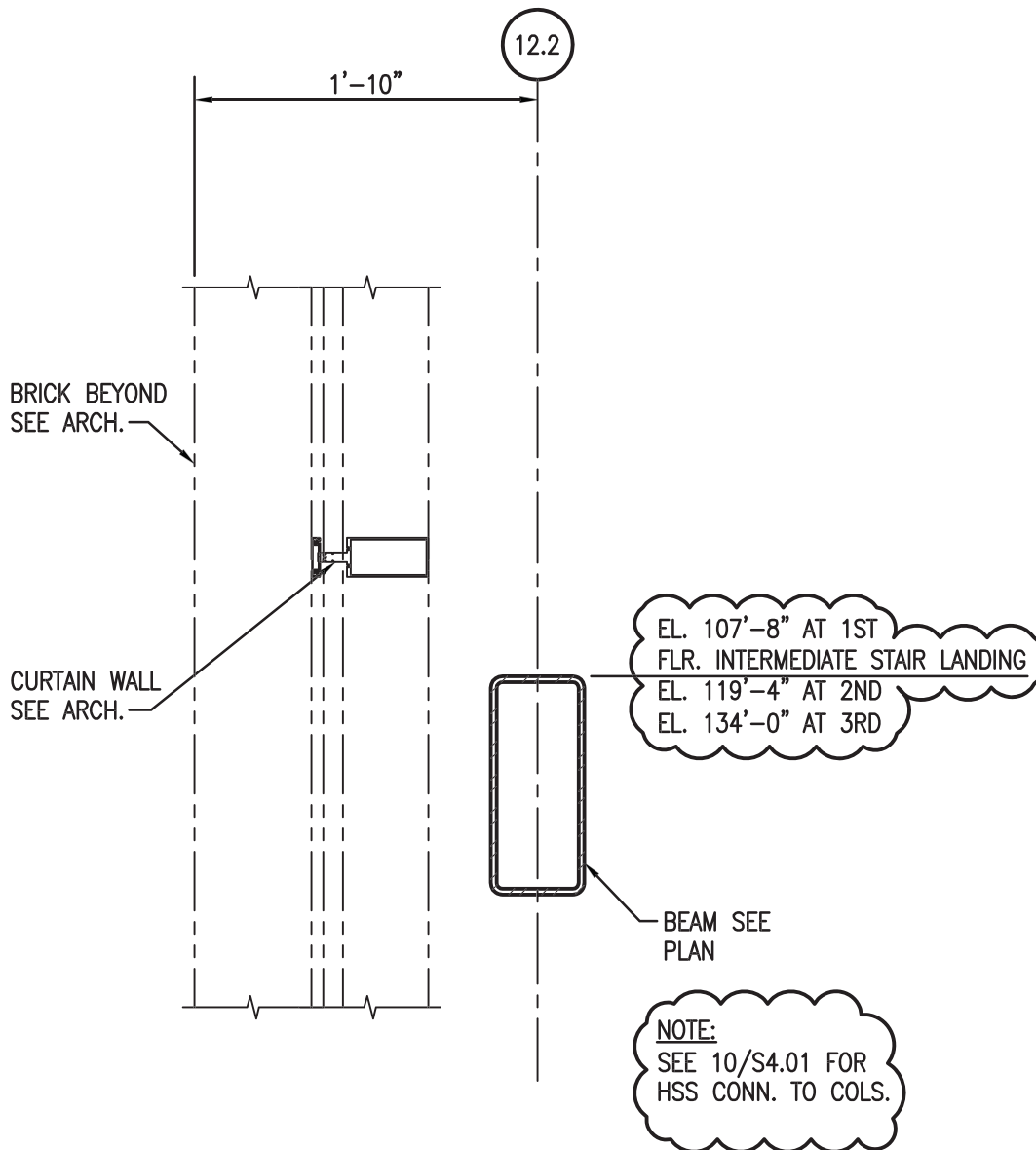
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RECOVERY SCHOOL DISTRICT

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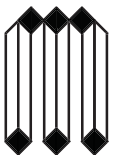
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# ATTACHMENT 53



1 SECTION-1ST FLOOR INTERMEDIATE STAIR  
S3.01 LANDING, 2ND & 3RD FLOOR 1"=1'-0"



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TITLE:  
REVISED SECTION

SHEET: SK-1/S3.01 BID DOCUMENTS

DATE ISSUED: 7 DECEMBER 2012  
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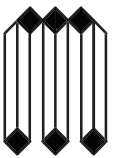
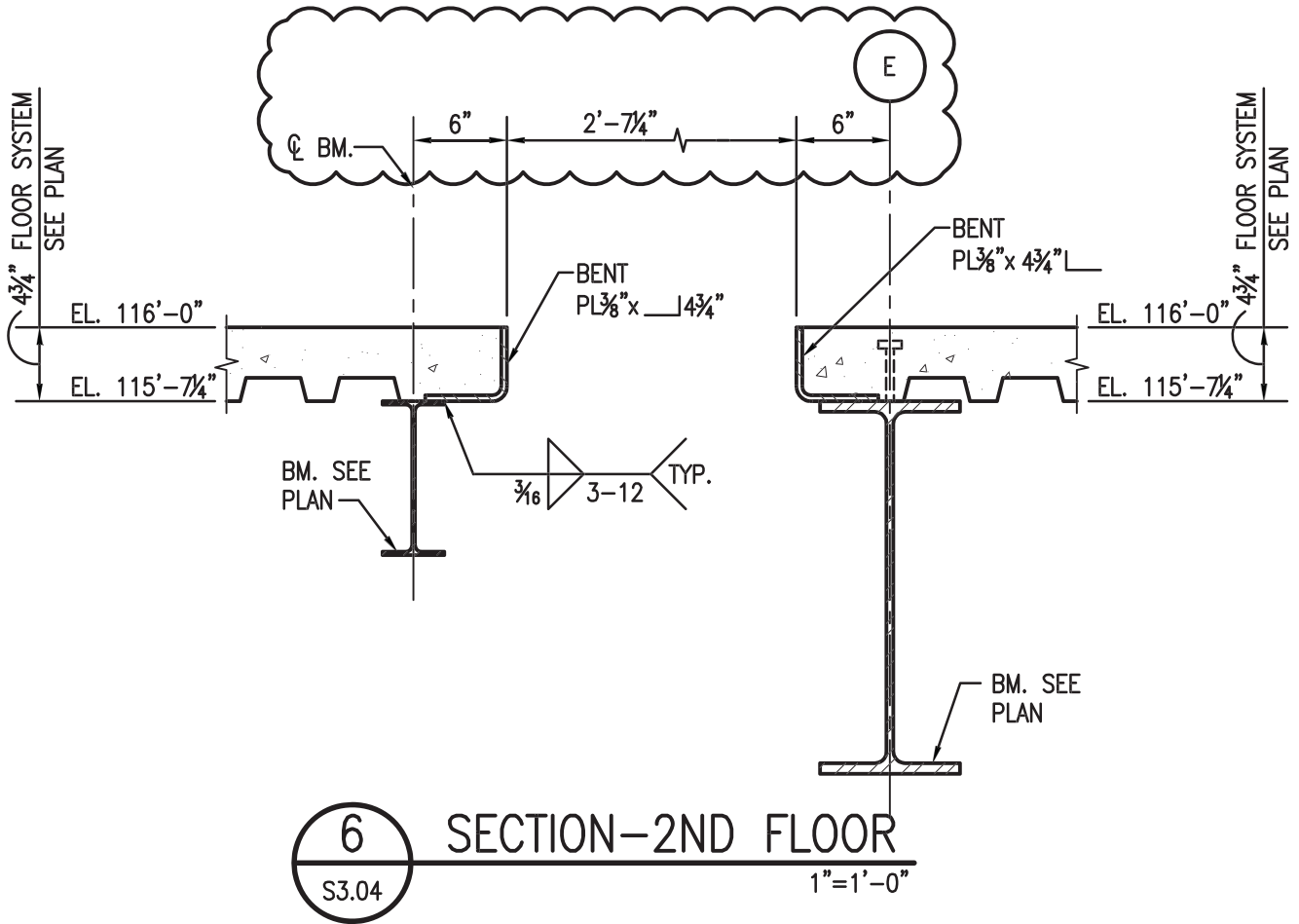
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# ATTACHMENT 54



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TITLE:  
REVISED SECTION

SHEET: SK-1/S3.04 BID DOCUMENTS

DATE ISSUED: 7 DECEMBER 2012  
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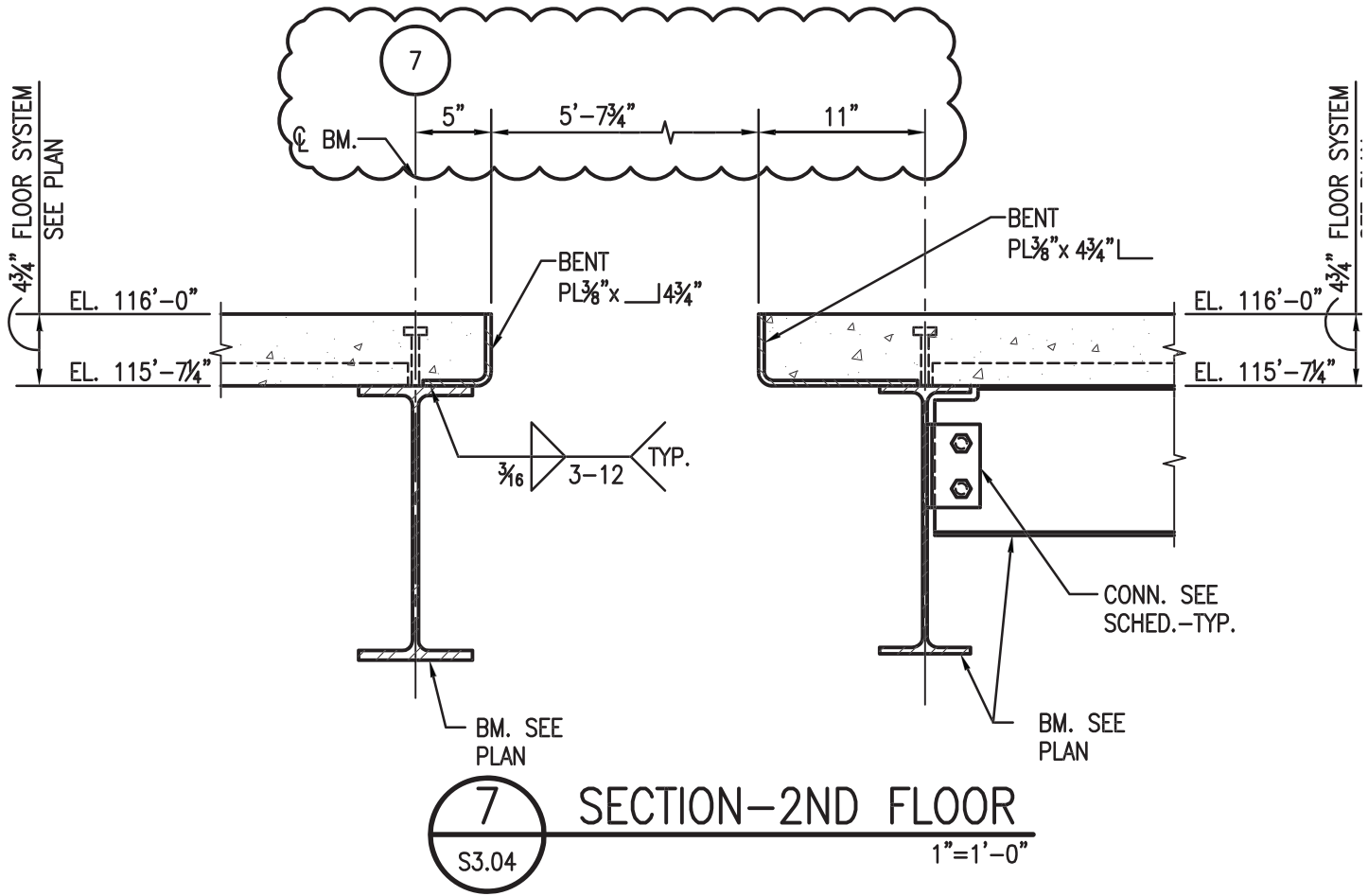
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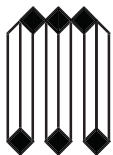
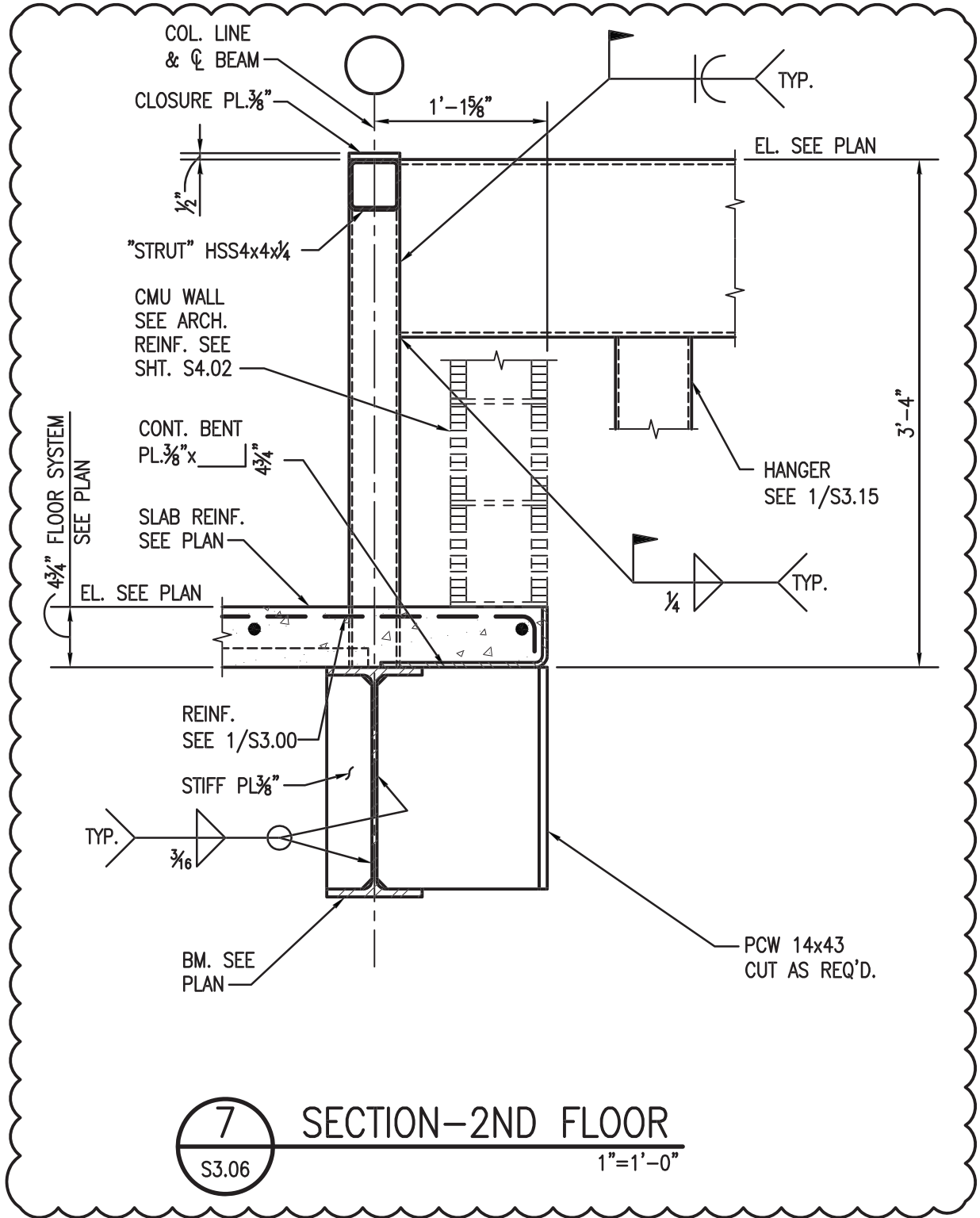
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# ATTACHMENT 56



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JOB NO. 12053

11085

TITLE:  
REVISED DETAIL

SHEET: **SK-1/S3.06** BID DOCUMENTS

DATE ISSUED: 7 DECEMBER 2012  
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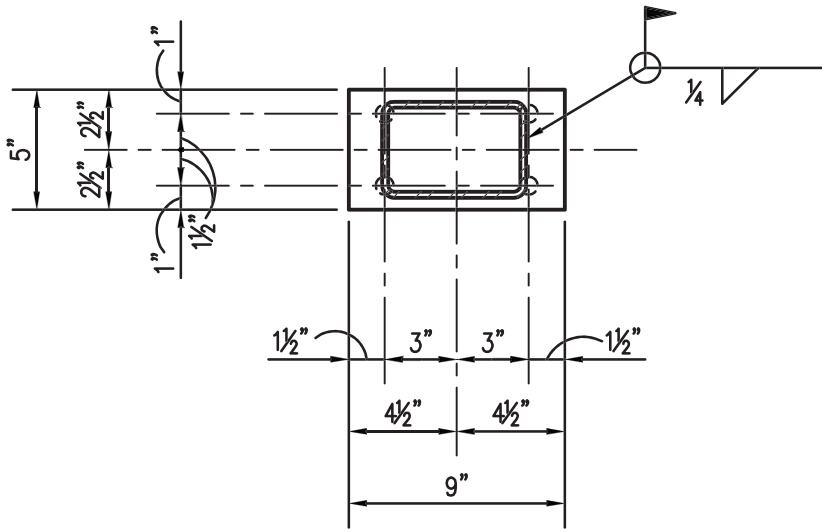
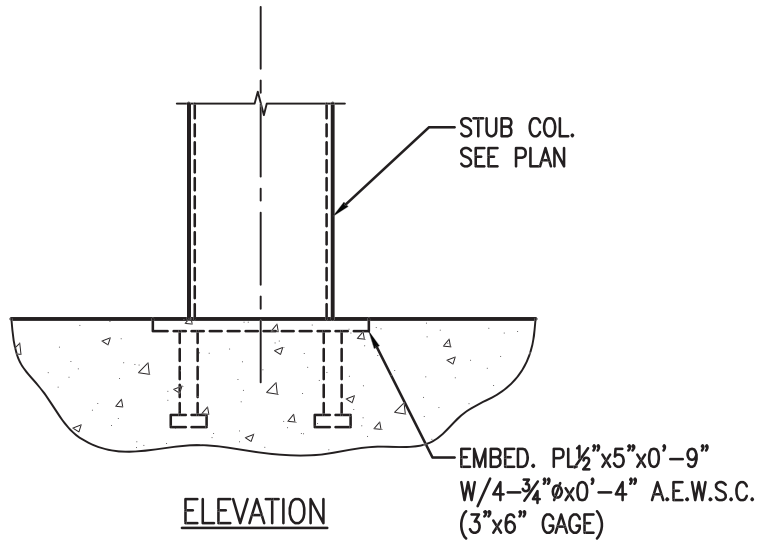
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# ATTACHMENT 57



8
DETAIL—BASE PLATE  
S3.06
1 1/2"=1'-0"



11085

TITLE:  
ADDED DETAIL

CHECKED BY: JAS

PHASE:

SHEET: SK-2/S3.06 BID DOCUMENTS

DATE ISSUED: 7 DECEMBER 2012  
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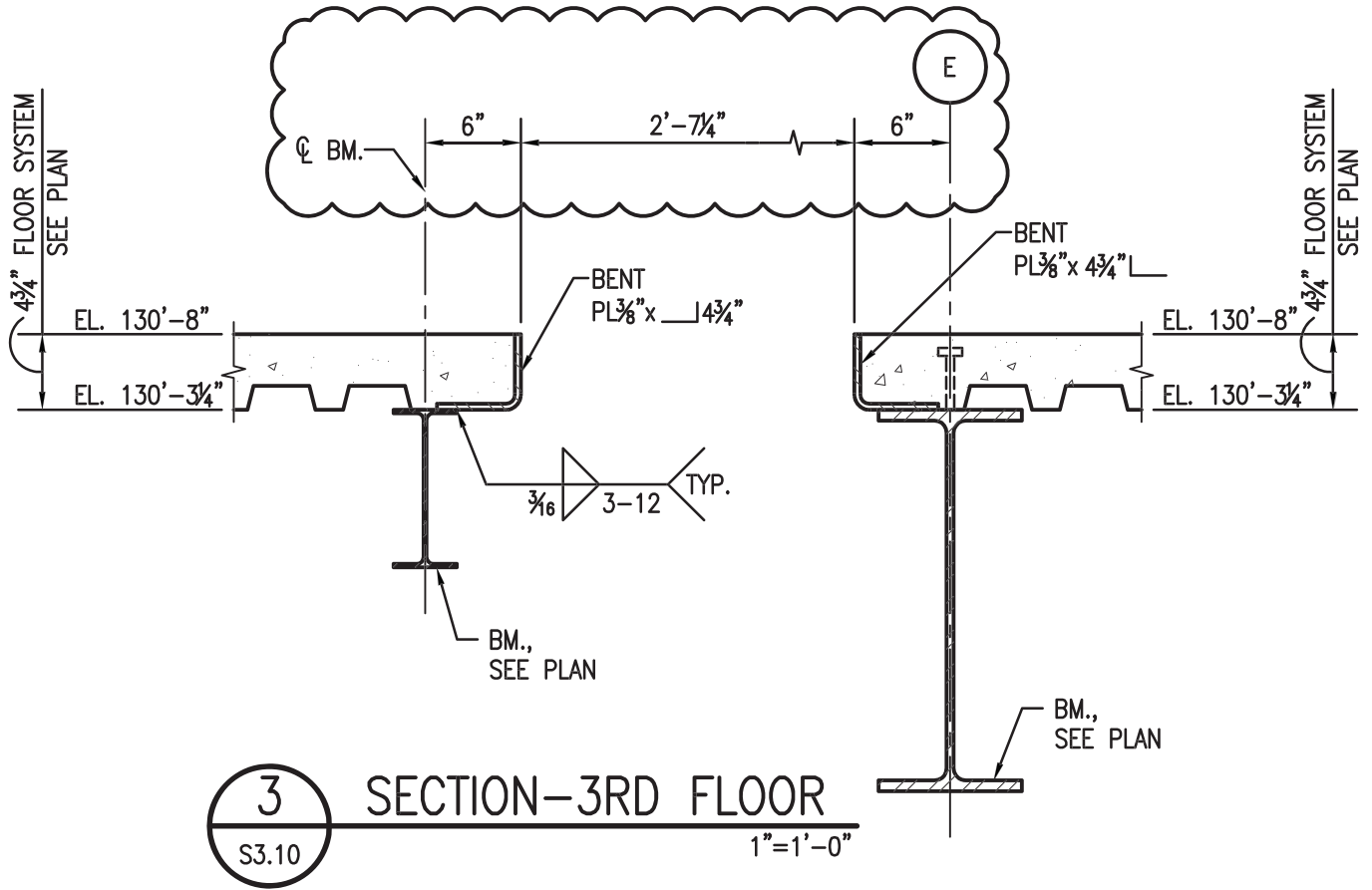
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# ATTACHMENT 58



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TITLE:  
REVISED SECTION

SHEET: SK-1/S3.10 BID DOCUMENTS

DATE ISSUED: 7 DECEMBER 2012  
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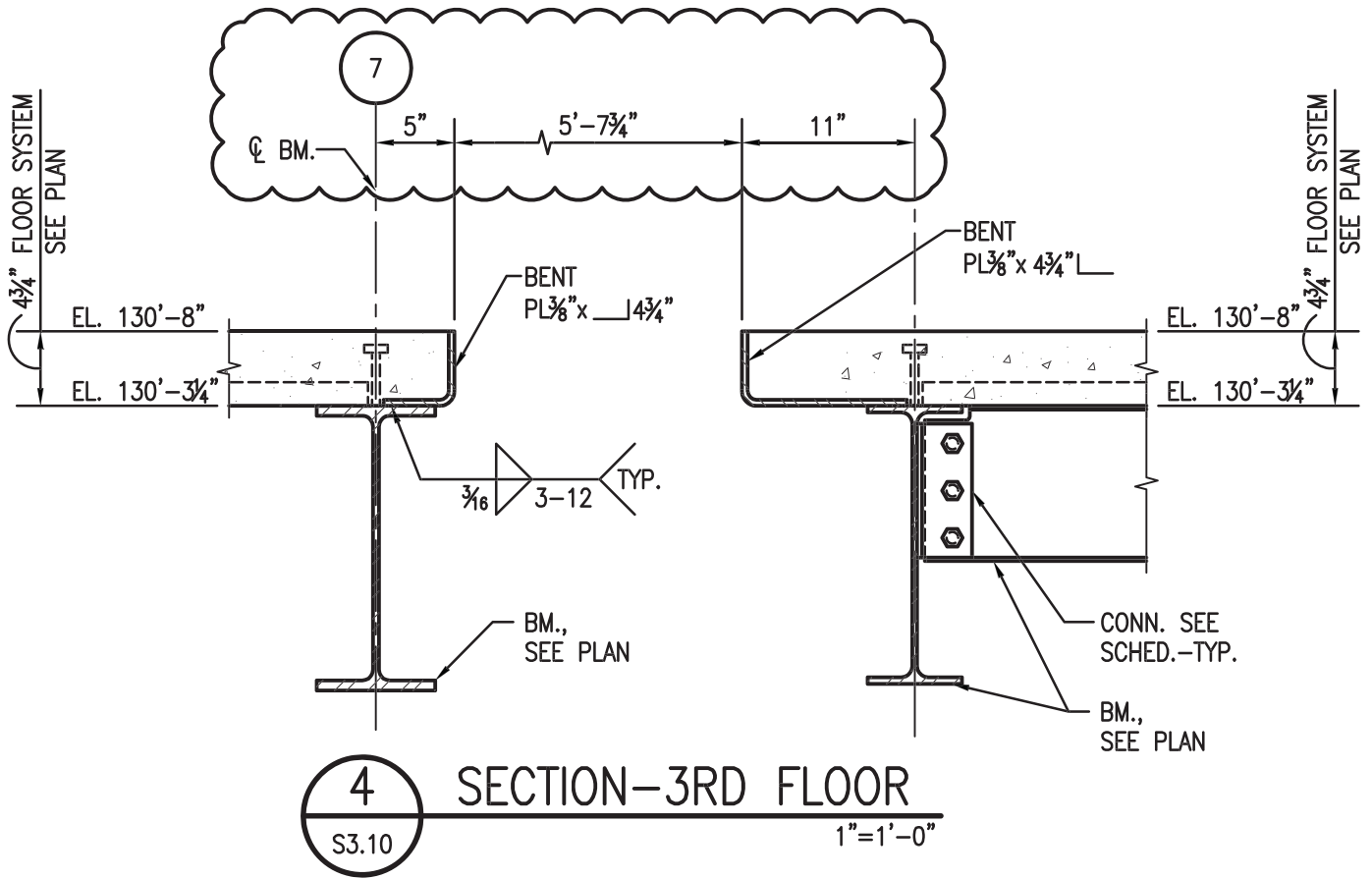
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TITLE:  
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SHEET: SK-2/S3.10 BID DOCUMENTS

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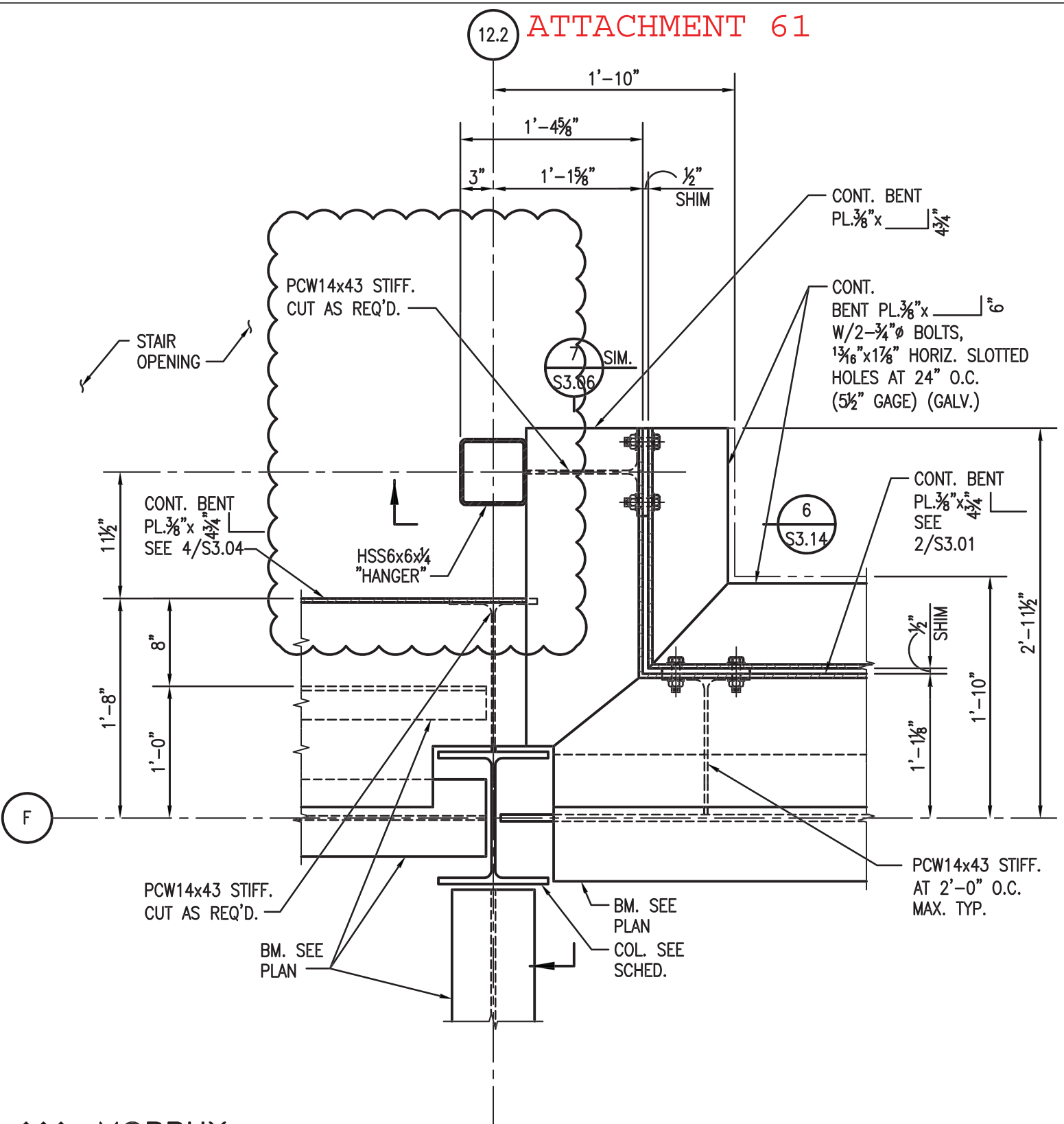
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12.2 ATTACHMENT 61



2 DETAIL  
S3.14 1"=1'-0"

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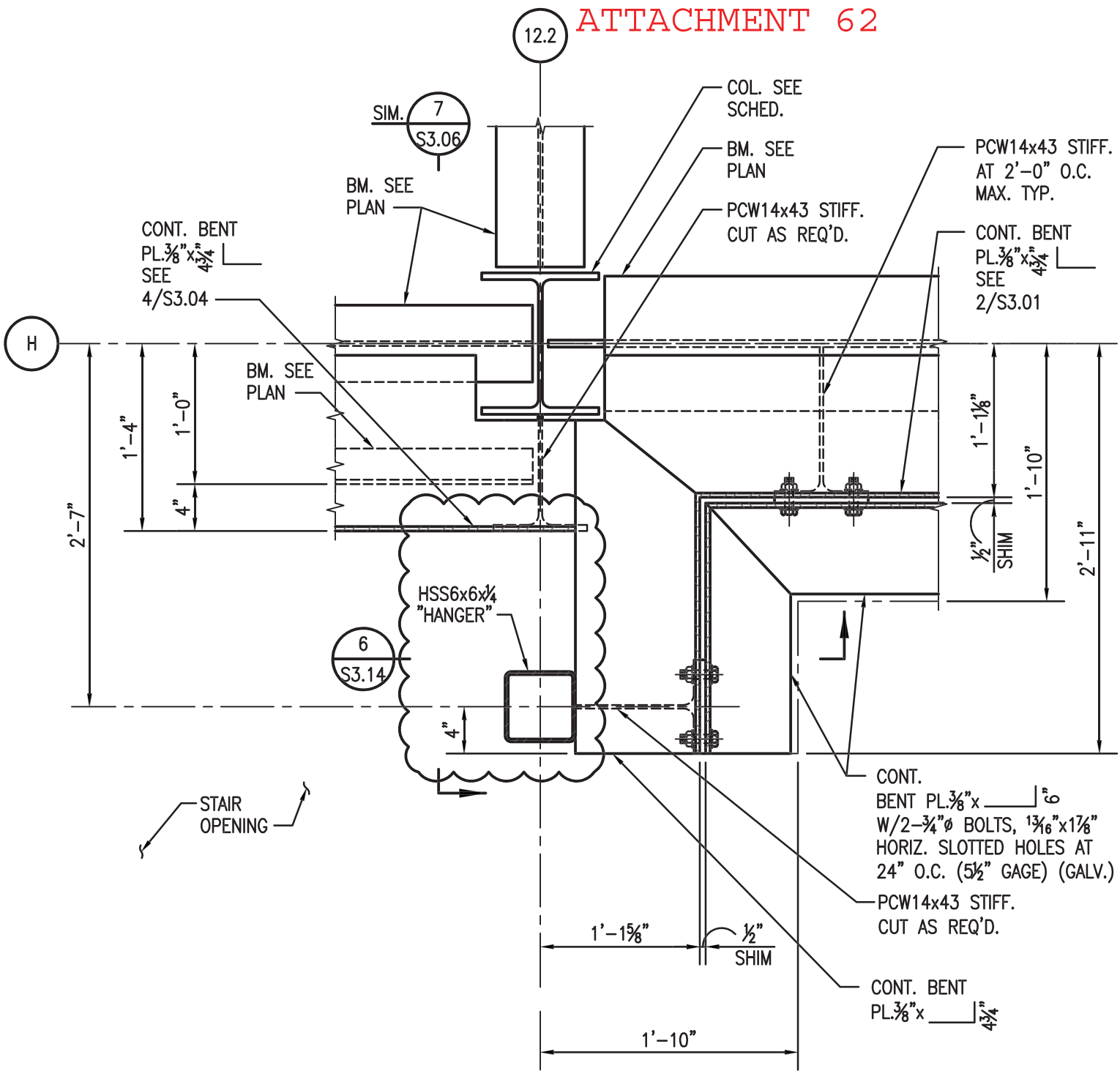
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**3** DETAIL  
S3.14 1"=1'-0"

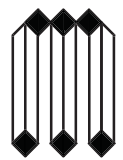
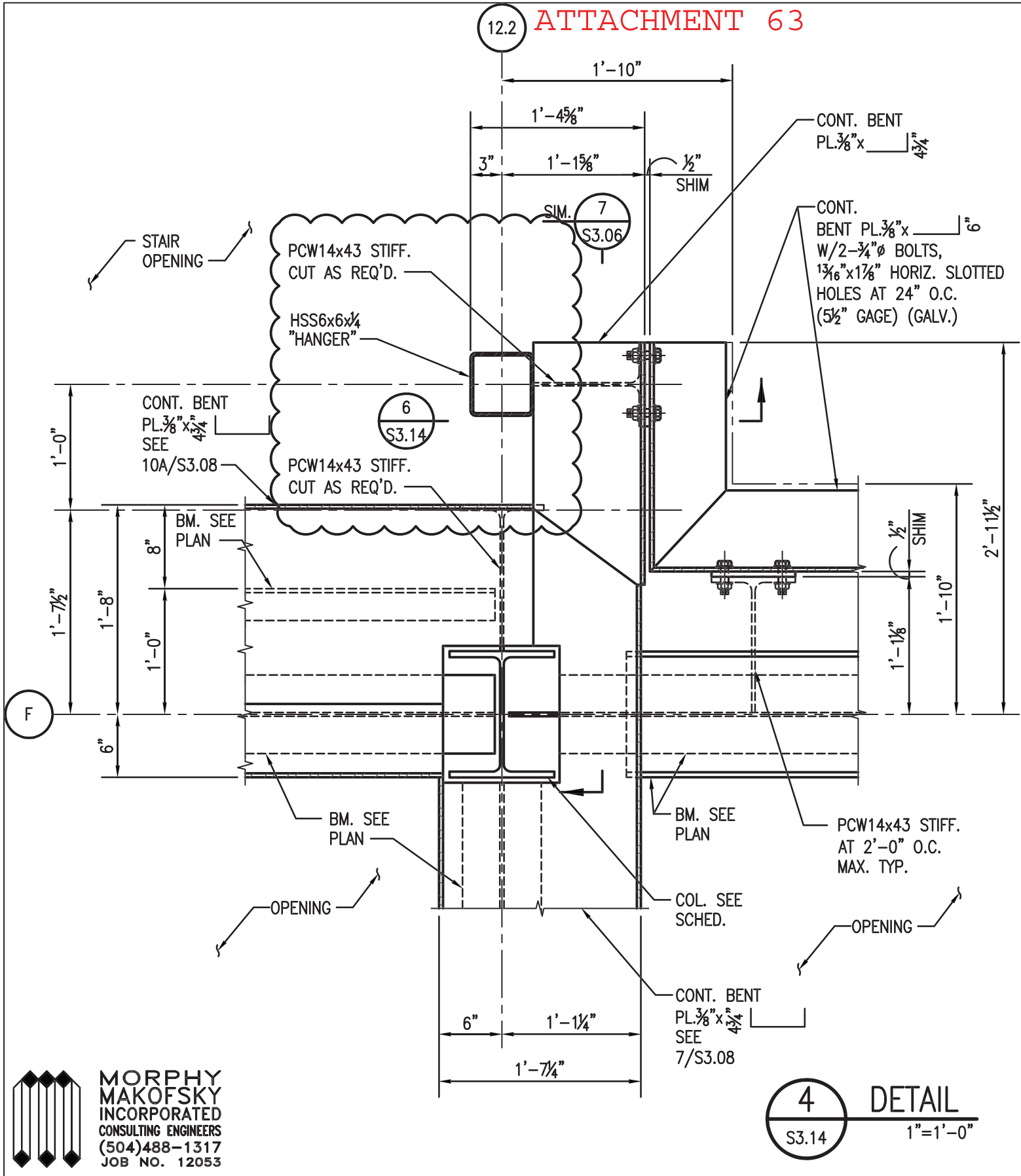


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TITLE: ADDED DETAIL  
SHEET: SK-3/S3.14 BID DOCUMENTS

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TITLE: ADDED DETAIL

SHEET: SK-4/S3.14 BID DOCUMENTS

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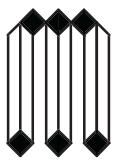
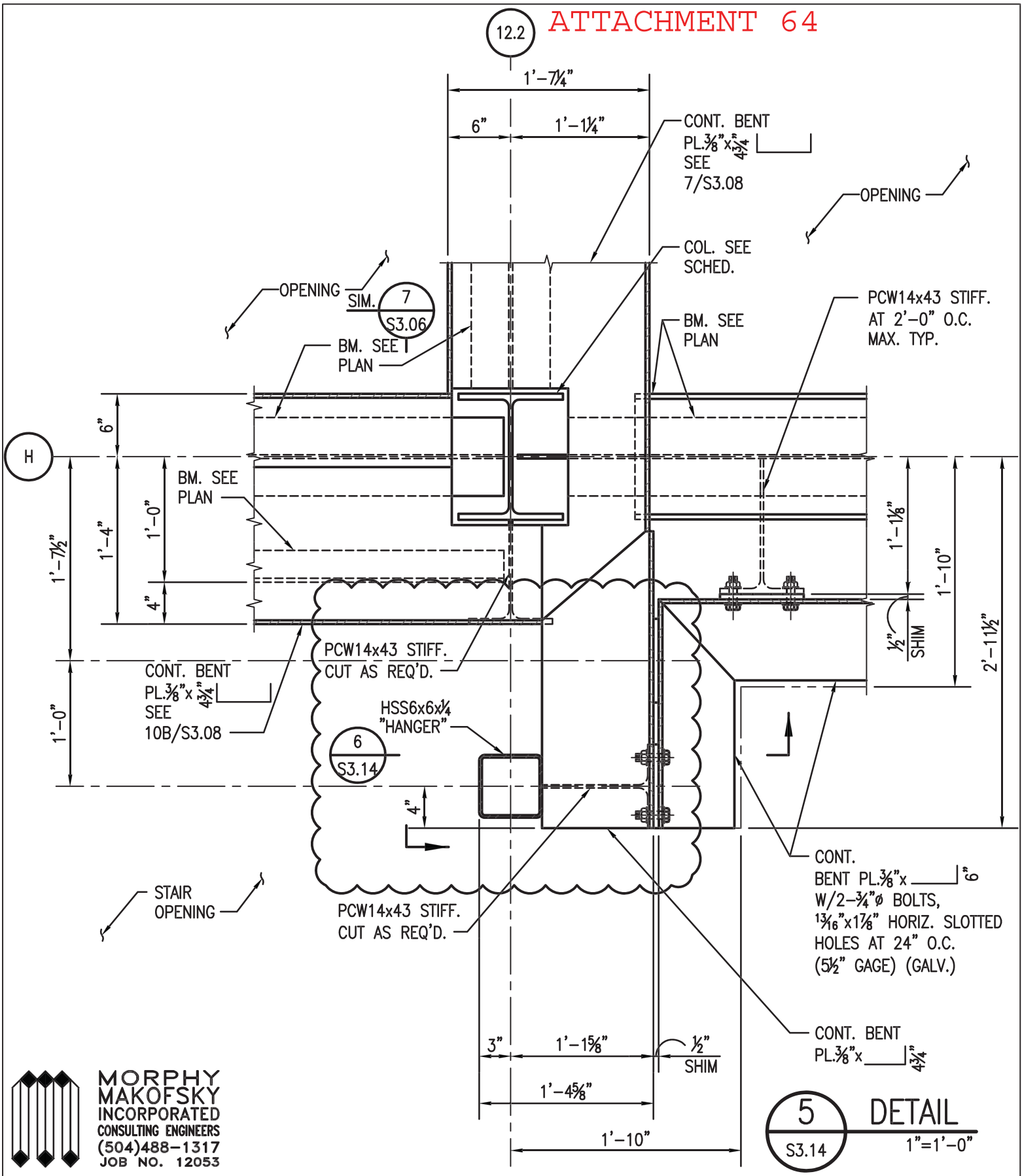
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12.2

# ATTACHMENT 64



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**5** **DETAIL**  
S3.14 1" = 1'-0"

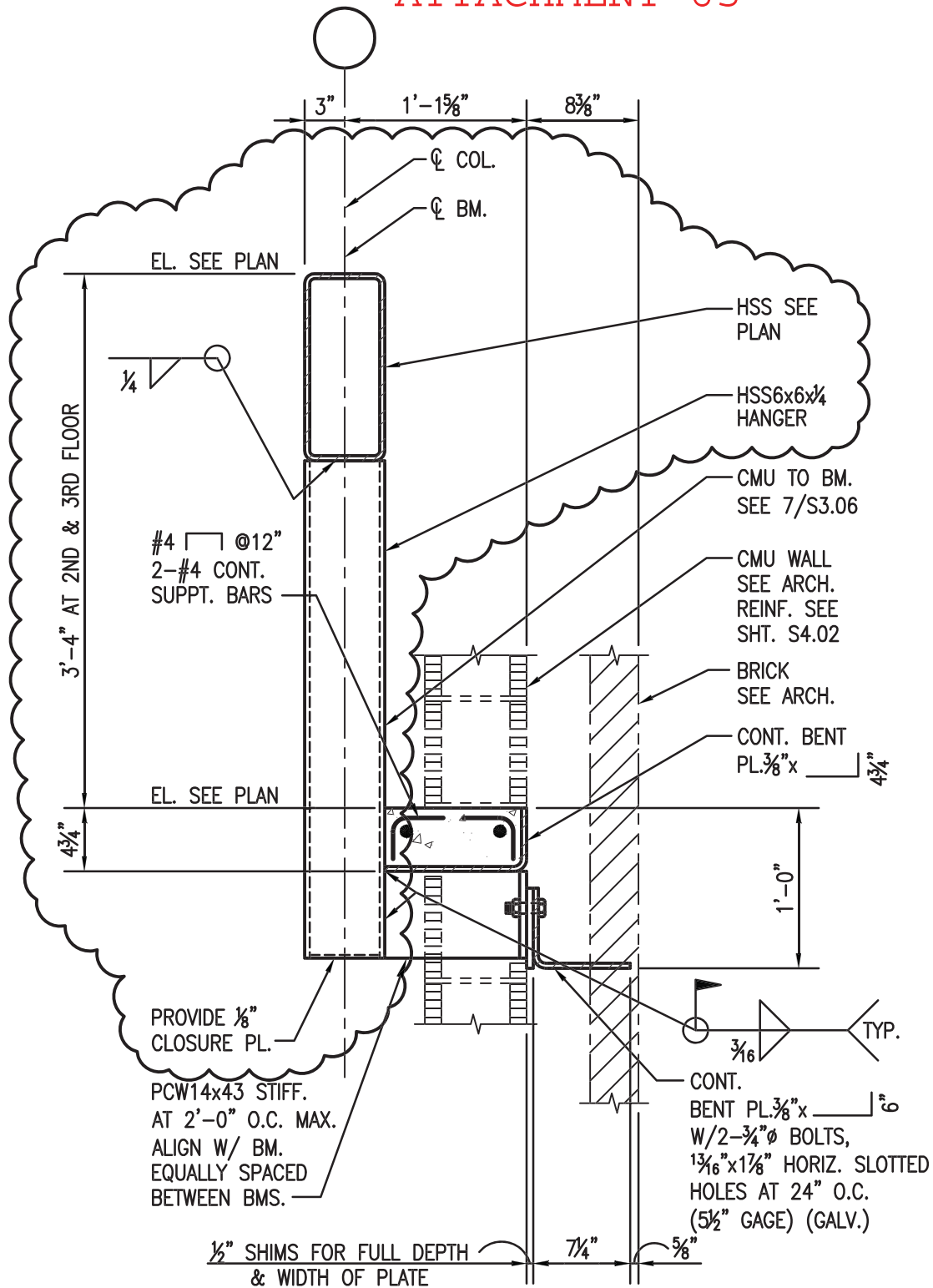
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TITLE: ADDED DETAIL  
SHEET: SK-5/S3.14 BID DOCUMENTS

DATE ISSUED: 7 DECEMBER 2012  
REVISED: ADDENDUM 02-23 JANUARY 2013  
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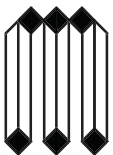
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# ATTACHMENT 65



6
DETAIL  
S3.14
1"=1'-0"



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TITLE:  
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SHEET: SK-6/S3.14 BID DOCUMENTS

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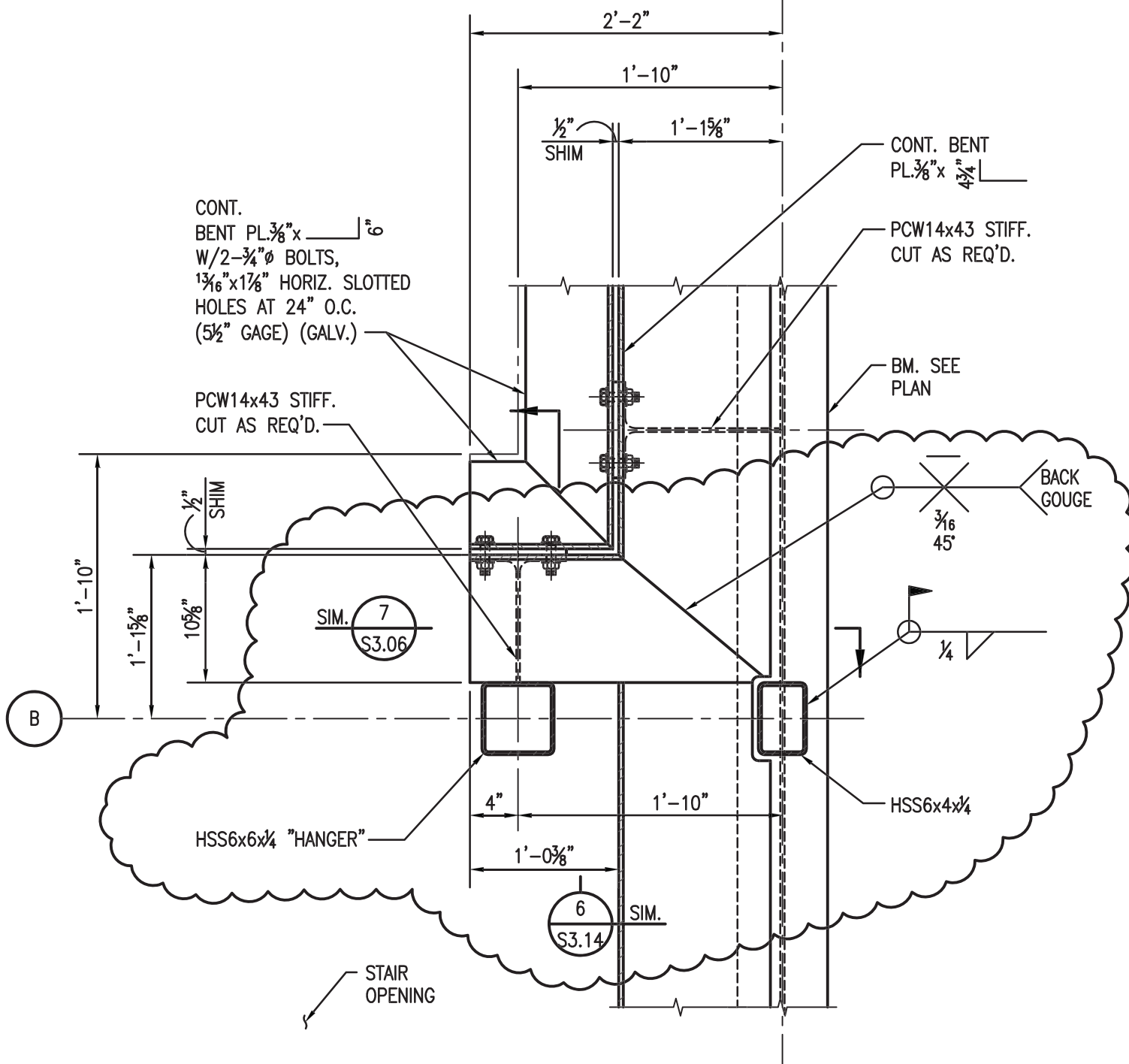
NEW 3 SECTION ELEMENTARY SCHOOL  
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 RECOVERY SCHOOL DISTRICT

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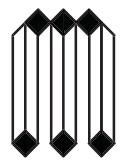
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2  
20



1 PLAN DETAIL  
S3.15 1"=1'-0"



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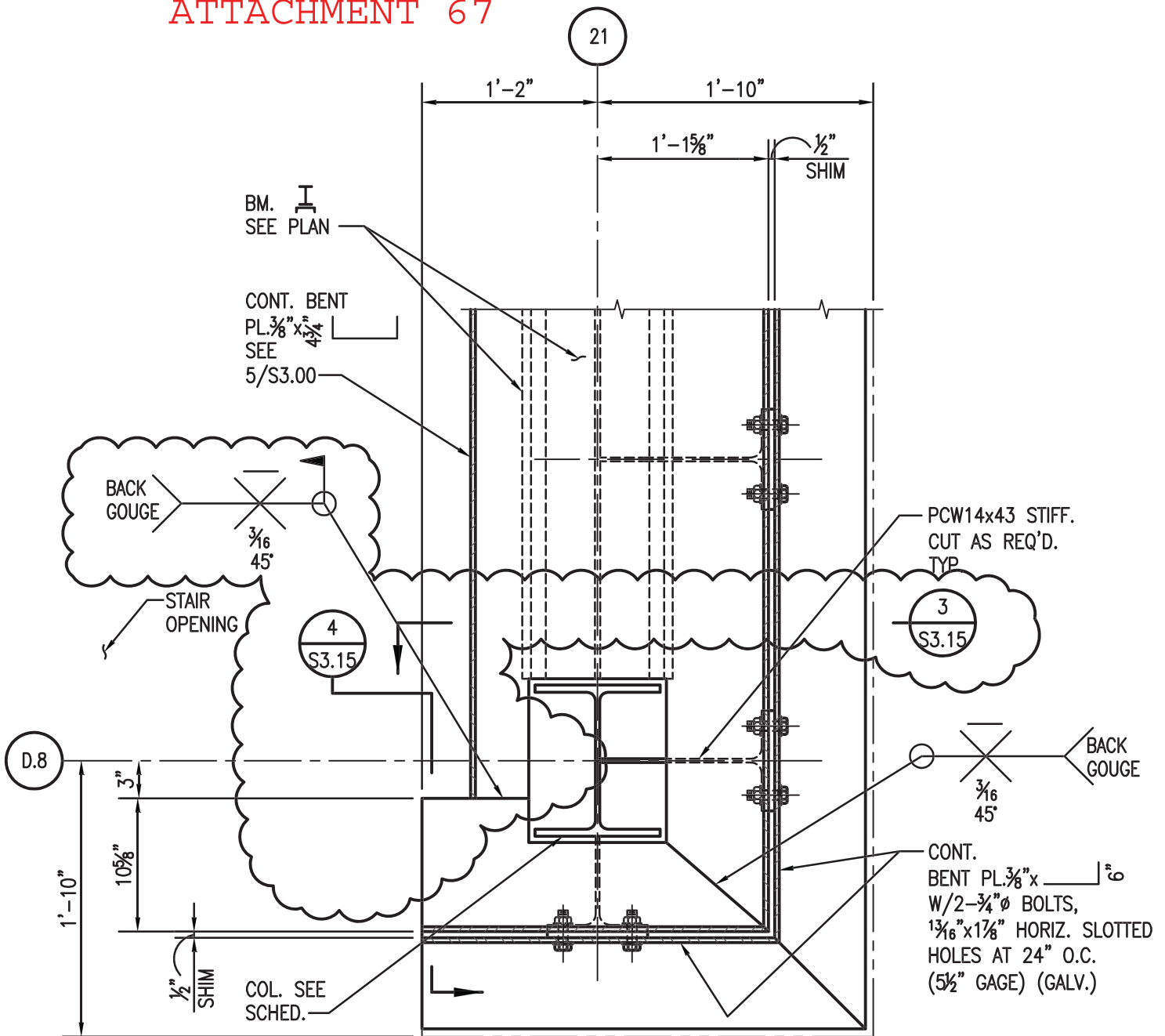
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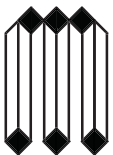
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# ATTACHMENT 67



2 PLAN DETAIL  
S3.15 1"=1'-0"



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DATE ISSUED: 7 DECEMBER 2012  
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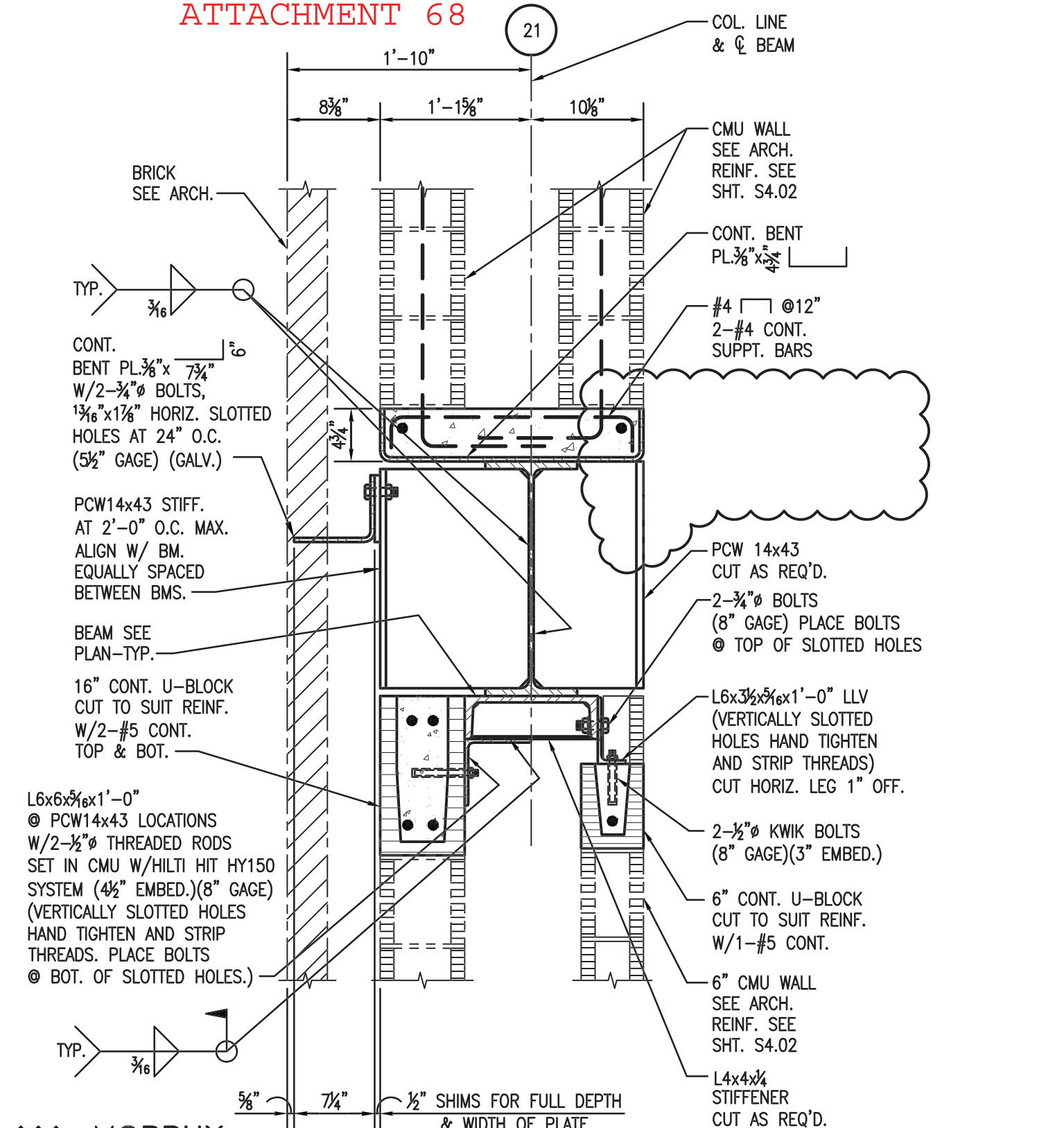
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# ATTACHMENT 68

21



3 SECTION-3RD FLOOR  
S3.15 1"=1'-0"

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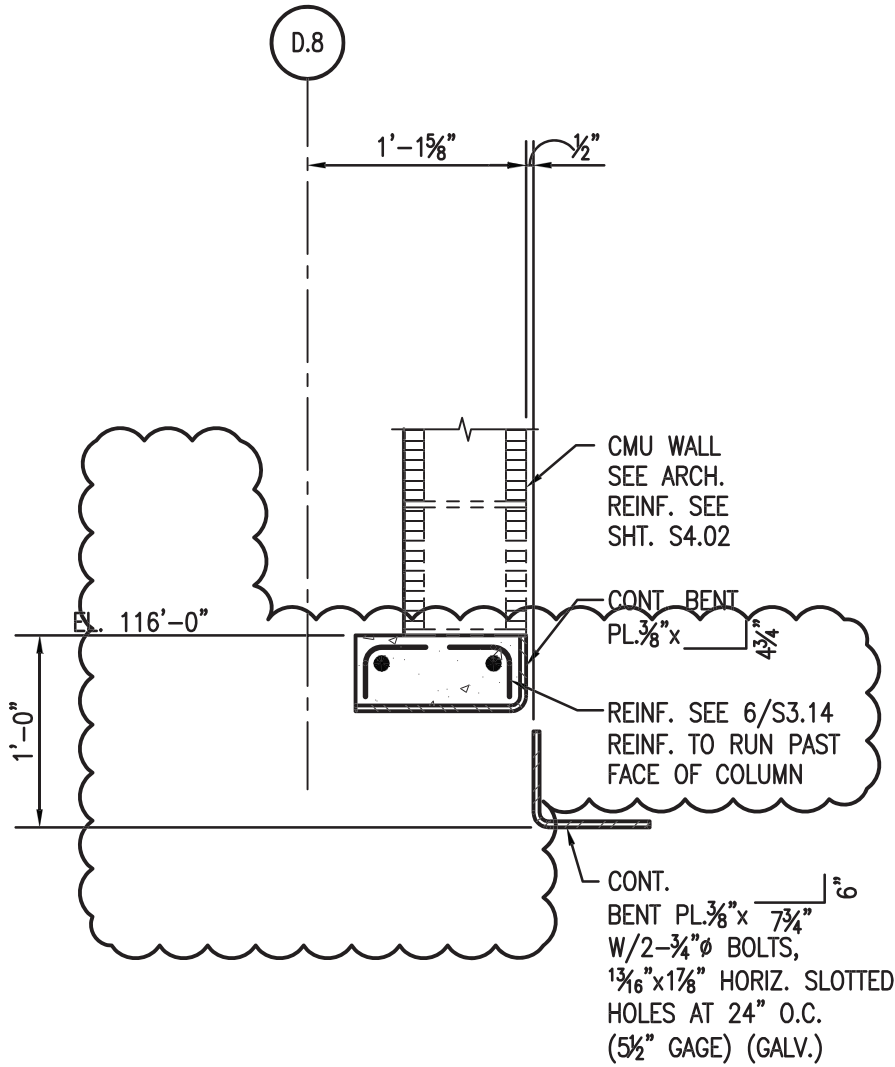
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TITLE: REVISED SECTION  
SHEET: SK-3/S3.15 BID DOCUMENTS

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# ATTACHMENT 69



4 SECTION-2ND FLOOR  
S3.15

1" = 1'-0"



11085

TITLE:  
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DATE ISSUED: 7 DECEMBER 2012  
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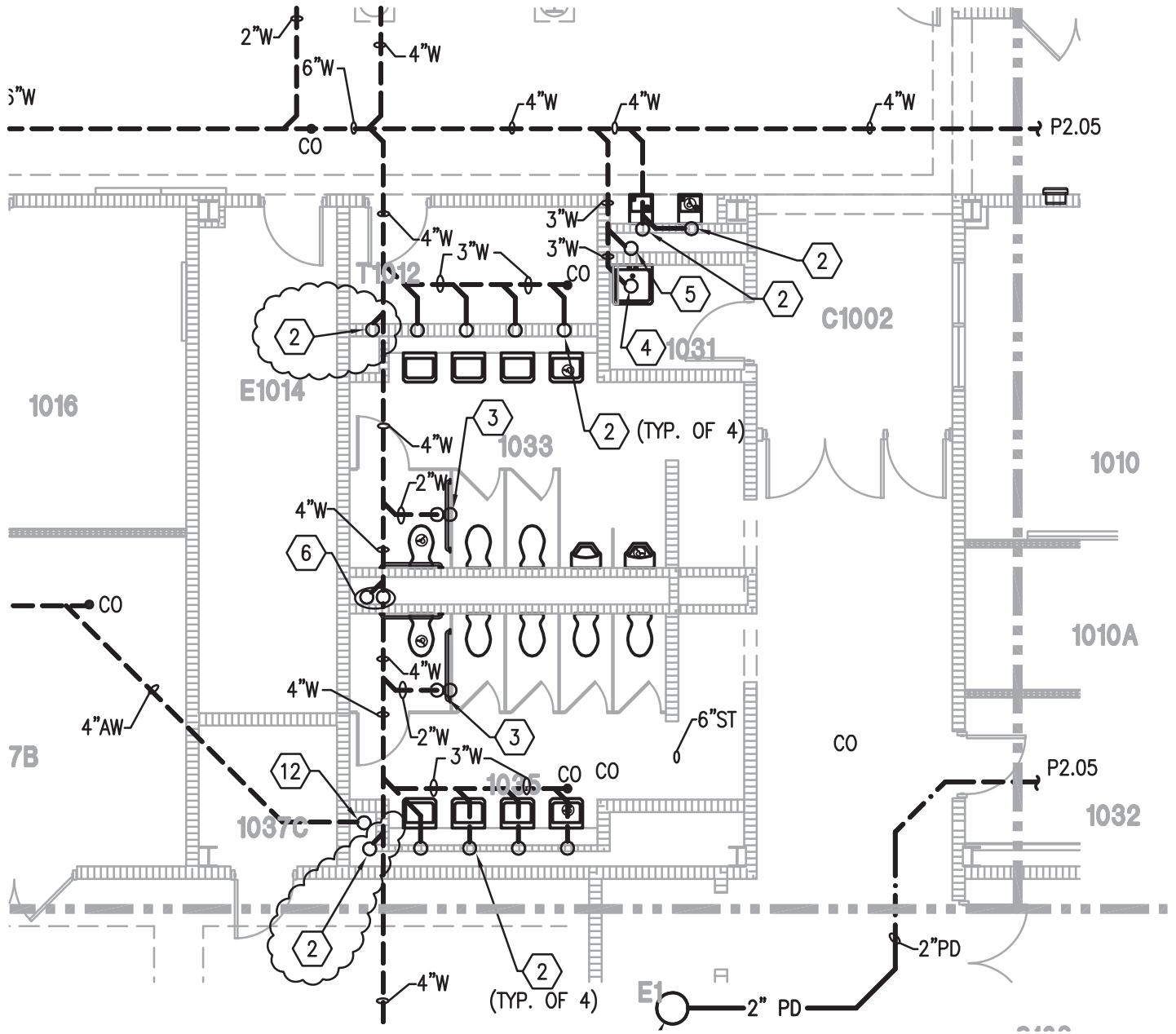
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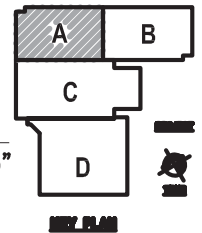


# ATTACHMENT 70



## FOUNDATION UNIT A PLUMBING PLAN

1/8" = 1'-0"



**11085**  
 TITLE:  
**Foundation unit A  
 Plumbing Plan**  
 SHEET:  
**SK-1/P2.01**

DATE ISSUED: 7 DECEMBER, 2012  
 REVISED: ADDENDUM 02, 23 JANUARY, 2013  
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 DRAWN BY:  
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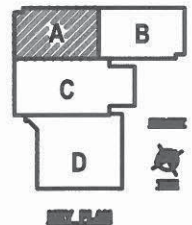
# ATTACHMENT 71

## NATURAL GAS LOAD SCHEDULE

<u>ITEM</u>	<u>QTY</u>	<u>BTU/HR EA.</u>	<u>TOTAL BTU/HR</u>	<u>PRESSURE</u>
BOILER	2	1,000,000	2,000,000	11-14"W.C.
DOMESTIC WATER HEATER	2	500,000	1,000,000	7-11"W.C.
KITCHEN	MISC. EQUIP.	1,180,000	1,180,000	7-11"W.C.
KITCHEN MAKE UP AIR UNIT	1	200,000	200,000	7-11"W.C.
SCIENCE ROOMS	5 OUTLETS	10,000	50,000	7"W.C.
EMERGENCY GAS GENERATOR	1	4,615,000	4,615,000	15"-20"W.C.
<b>TOTAL:</b>			<b>9,045,000 BTU/HR @ 5PSI AT GAS METER</b>	

## 1ST FLOOR UNIT A PLUMBING PLAN

1/8" = 1'-0"



**11085**

TITLE:  
**1ST Floor unit A  
Plumbing Plan**

SHEET:  
**SK-1/P2.02**

DATE ISSUED: 7 DECEMBER, 2012  
 REVISED: ADDENDUM 02, 22 JANUARY, 2013  
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DOCUMENTS

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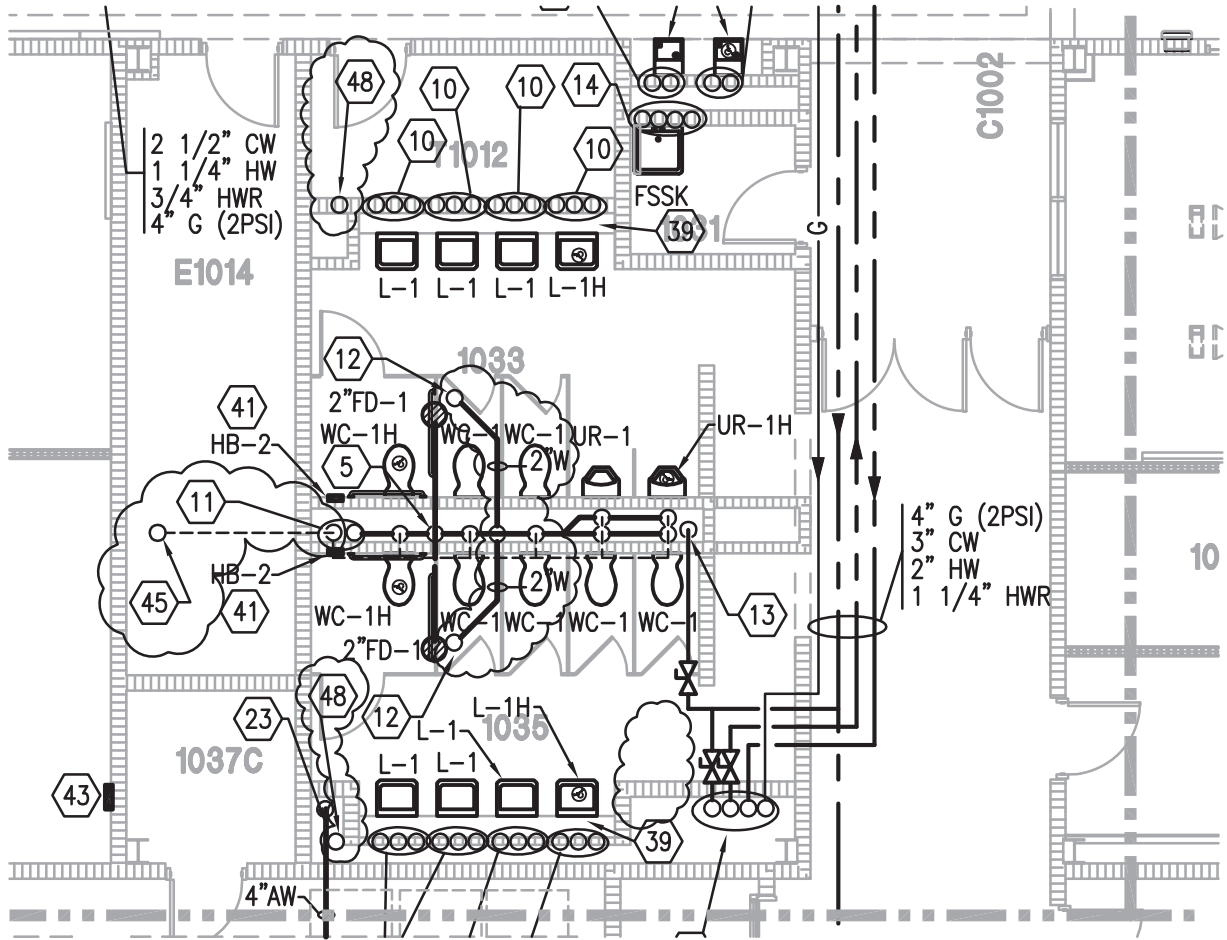
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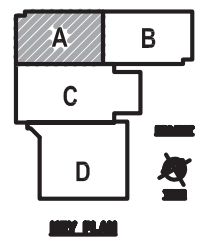
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# ATTACHMENT 72



11 4" WASTE STACK FROM ABOVE AND DOWN; 3" VENT STACK FROM BELOW.

- 45 3" VENT STACK UP.
- 46 1 1/2" VENT FROM BELOW.
- 47 4" WASTE FROM ABOVE.
- 48 2" WASTE UP AND DOWN.



## 1ST FLOOR UNIT A PLUMBING PLAN

1/8" = 1'-0"

**11085**

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SHEET: **SK-2/P2.02**

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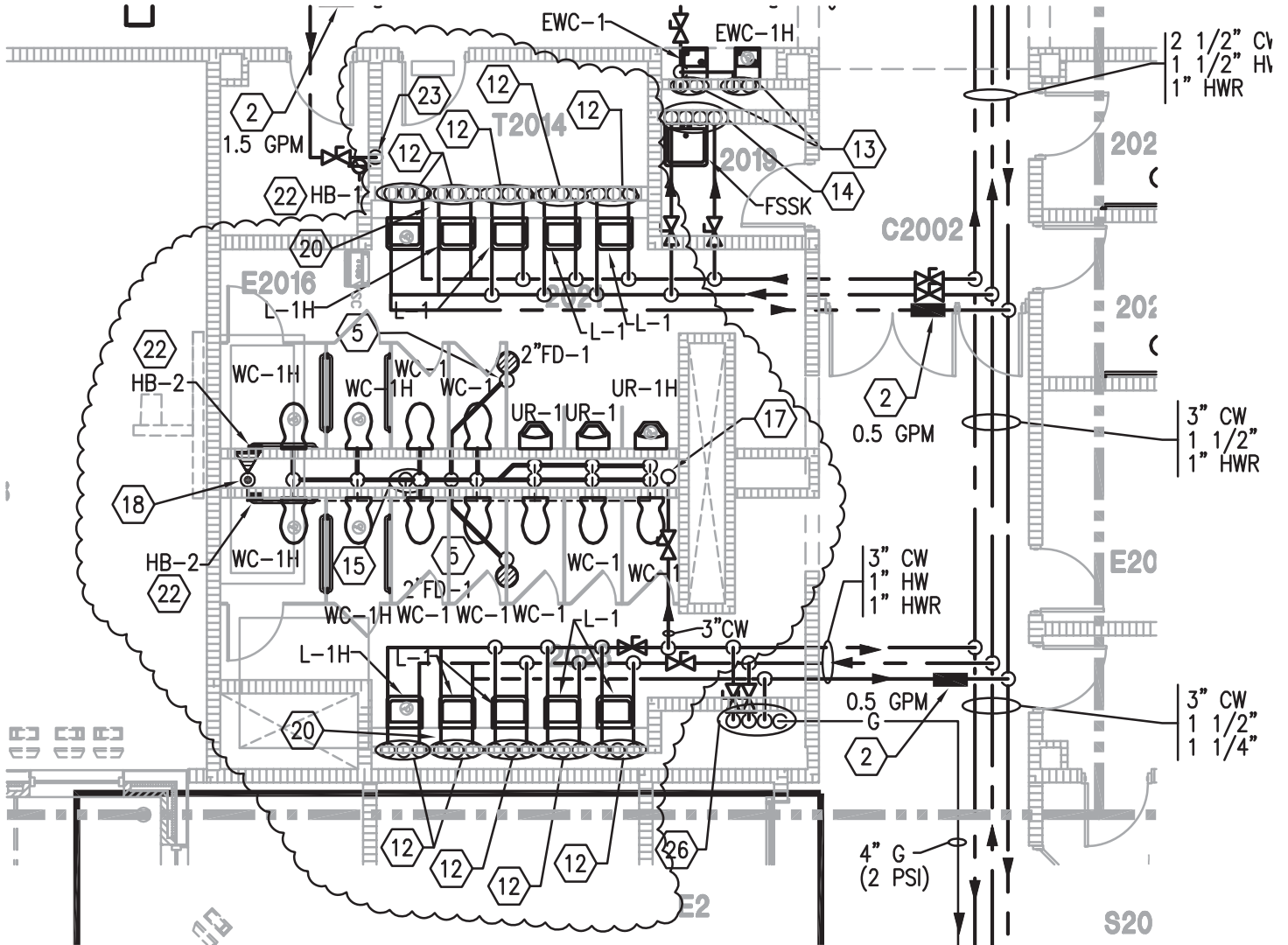
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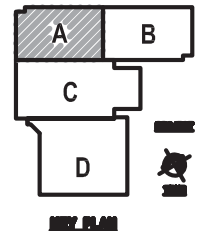
# ATTACHMENT 73



- 15 4" WASTE STACK FROM ABOVE AND DOWN.
- 16 2" 3/4" HOT AND COLD WATER UP; 2" WASTE
- 17 3" COLD WATER UP AND DOWN. EXTEND AND AS REQUIRED. PROVIDE WATER HAMMER ARRES SERVICE IN AN ACCESSIBLE LOCATION BEFORE I PROVIDE SHUT OFF VALVE WITH ACCESS PANEL
- 18 3" VENT STACK FROM BELOW AND UP.

## 2ND FLOOR UNIT A PLUMBING PLAN

1/8" = 1'-0"



**11085**

DATE ISSUED: 7 DECEMBER, 2012  
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SHEET: **SK-1/P2.03**

BID DOCUMENTS

NEW 3 SECTION ELEMENTARY SCHOOL  
 AT FISK-HOWARD SCHOOL  
 RECOVERY SCHOOL DISTRICT

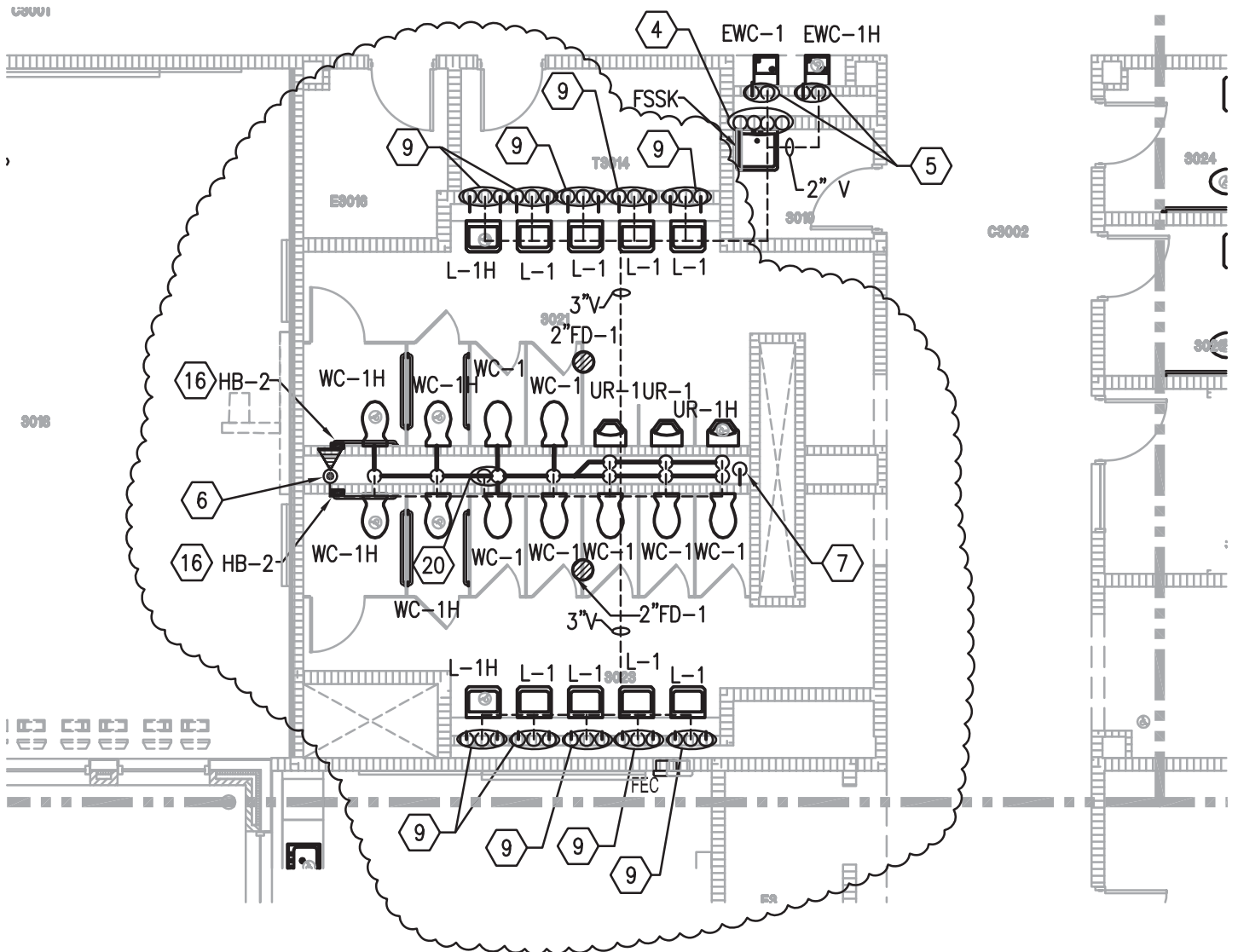
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# ATTACHMENT 74

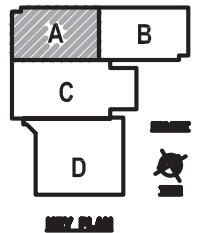


6 3" VENT STACK FROM BELOW AND UP TO 4" VENT THRU ROOF.

20 4" WASTE STACK DOWN.

## 3RD FLOOR UNIT A PLUMBING PLAN

1/8" = 1'-0"



**11085**  
 TITLE:  
**3rd Floor unit A  
 Plumbing Plan**  
 SHEET:  
**SK-1/P2.04**

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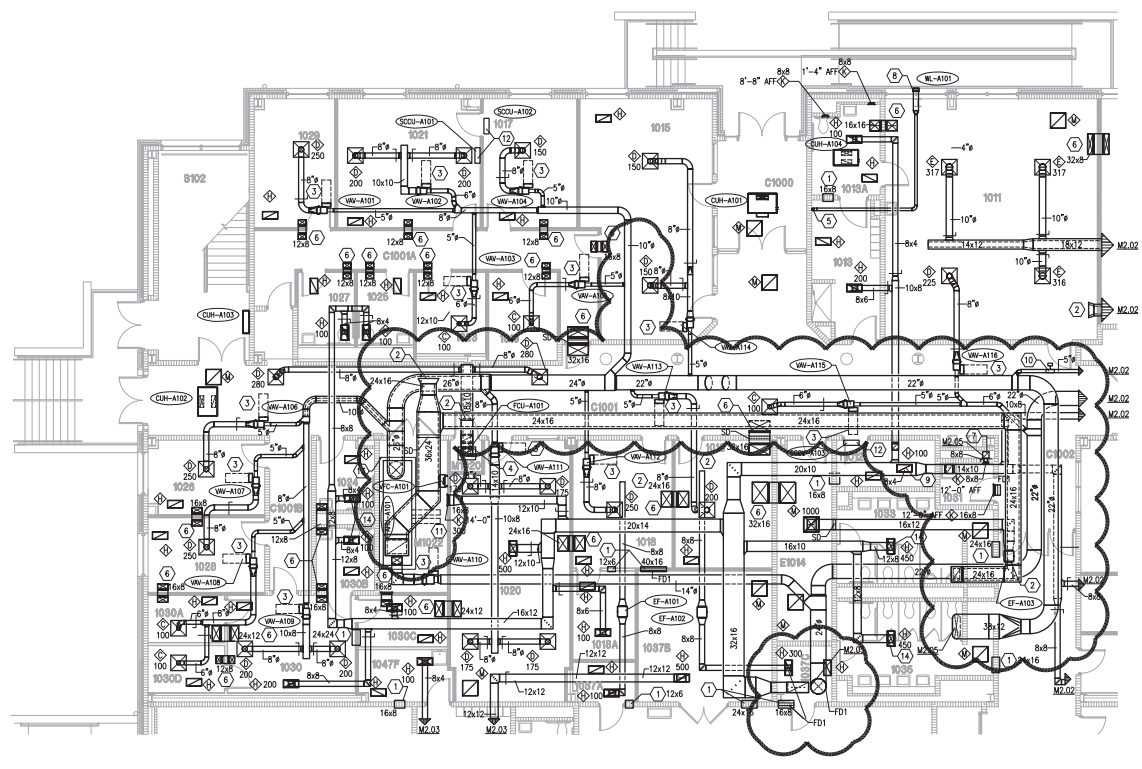
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HVAC CONTRACTOR IS REQUIRED TO COORDINATE DIFFUSER AND GRILLE LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS

MAIN SUPPLY AIR DUCTWORK TO BE MEDIUM PRESSURE RATED PER SMACNA REQUIREMENTS FROM DOAS UNIT. DUCTWORK BRANCHES FROM MAIN SHALL BE LOW PRESSURE RATED PER SMACNA REQUIREMENTS.

VAV BOXES SHALL BE INSTALLED SUCH THAT NO PIPING, DUCTWORK, ETC SHALL BE INSTALLED WITHIN 36" OF THE CONTROL PANEL. THE UNIT SHALL NOT BE INSTALLED DIRECTLY ABOVE A LIGHT FIXTURE, OR A CEILING TILE WITH A SPEAKER OR FIRE SPRINKLER HEAD. COORDINATE WITH ALL OTHER TRADES.

ALL HVAC GRILLES, REGISTERS, AND DIFFUSERS TO HAVE MEANS OF BALANCING. PROVIDE DAMPER IN ACCESSIBLE LOCATION. IF NO LOCATION IS AVAILABLE, PROVIDE THROUGH GRILLE BALANCING DAMPER.



1ST FLOOR VENTILATION PLAN - UNIT "A"

1/8" = 1'-0"

**VENTILATION PLAN NOTES:**

- 1 WALL OPENING LOCATED ABOVE THE CEILING.
- 2 END OF DUCT OPEN TO PLENUM SPACE ABOVE CEILING. PROVIDE BIRDSCREEN OVER OPENING.
- 3 DASHED LINE INDICATES APPROXIMATE CLEARANCE IN FRONT OF CONTROL PANEL TO VARIABLE VOLUME TERMINAL.
- 4 18x10 LINED SUPPLY AIR DUCT ON TOP OF 18x10 LINED RETURN AIR DUCT.
- 5 INSTALL 4" DIAMETER SHEET METAL DUCT FROM DRYER AND ROUTE DOWN TO CRAWL SPACE. CONTINUE OVER TO EXTERIOR WALL LOUVER. INSTALL BOOSTER FAN AND PRESSURE SWITCH PER MANUFACTURER INSTRUCTIONS. INSTALL CLEANOUT AT ALL ELBOWS IN DUCT.
- 6 ACCOUSTICALLY LINED AIR TRANSFER SOUND TRAP. EXTEND DUCTWORK UP TO PROVIDE NO LINE-OF-SIGHT FROM OPENING TO OPENING. REFER TO DETAIL.
- 7 EXHAUST DUCT FROM FIRST FLOOR TO THIRD FLOOR.
- 8 WALL LOUVER. SEE ARCHITECTURAL EXTERIOR ELEVATIONS. SHEET METAL PLENUM MOUNTED BEHIND WALL LOUVER. TRANSITION BOTTOM OF DUCT AT A SLOPE DOWNWARD TO WALL LOUVER. SEAL ALL SEAMS AND EDGES WATER-TIGHT. WRAAP PLENUM WITH INSULATION. DRIP PAN INSTALLED UNDER WALL LOUVER DUCTWORK. DRIP PAN SHALL EXTEND A MINIMUM OF 8" ON EACH SIDE OF THE DUCT. SEAL TIGHT TO THE WALL. DUCTWORK TO BE WRAPPED WITH INSULATION.
- 9 BALANCING DAMPER IN VERTICAL DUCT TO DIFFUSER.
- 10 DUCT STATIC PRESSURE SENSOR.
- 11 CLEARANCE REQUIRED FOR AIR HANDLING UNIT COIL PULLS.
- 12 MOUNT MINI-SPLIT EVAPORATOR UNIT ON WALL PER MANUFACTURER'S REQUIRED CLEARANCES. COORDINATE LOCATION WITH ALL TRADES. ROUTE REFRIGERANT PIPING UP TO ROOF. COORDINATE EXACT LOCATION WITH ALL TRADES.
- 13 3-1/2" HIGH CONCRETE HOUSEKEEPING PAD.
- 14 DIFFUSER TO HAVE THRU FACE VOLUME DAMPER.

ROOM LEGEND			UNIT A
ROOM NO.	ROOM NAME	AREA	1ST FLOOR
1011	SPECIAL NEEDS CLASSROOM	849 SF	10'-0"
1013	CHANGING ROOM	149 SF	10'-0"
1013A	RESTROOM	97 SF	10'-0"
1015	RECEPTION	484 SF	10'-0"
1016	SPEECH	205 SF	10'-0"
1017	PRINCIPAL (OFFICE C)	201 SF	10'-0"
1018	OP/PT	209 SF	10'-0"
1018A	STORAGE	91 SF	10'-0"
1019	S.R.T.	100 SF	10'-0"
1020	FACILITY/LOUNGE	496 SF	10'-0"
1021	CONFERENCE	301 SF	10'-0"
1023	S.R.T.	99 SF	10'-0"
1024	RESTROOM	65 SF	10'-0"
1025	WOMEN	67 SF	10'-0"
1026	OFFICE A	142 SF	10'-0"
1027	MEN	68 SF	10'-0"
1028	OFFICE A	144 SF	10'-0"
1029	OFFICE A	170 SF	10'-0"
1030	HEALTH CLINIC	225 SF	10'-0"
1030A	COY/EXAM RM	60 SF	10'-0"
1030B	RESTROOM	60 SF	10'-0"
1030C	STORAGE	75 SF	10'-0"
1030D	COY/EXAM RM	60 SF	10'-0"
1031	CUSTOMAL	44 SF	EXPOSED
1033	BOYS RESTROOM	214 SF	10'-0"
1035	GRLS RESTROOM	215 SF	10'-0"
1037A	SOUND	40 SF	10'-0"
1037B	STORAGE	290 SF	10'-0"
1037C	ELEVATOR EQUIPMENT	51 SF	EXPOSED
1047F	STORAGE	75 SF	10'-0"
C1000	VESTIBULE	150 SF	10'-0"
C1001	CORRIDOR	1402 SF	12'-0"
C1001A	CORRIDOR	323 SF	10'-0"
C1001B	CORRIDOR	107 SF	10'-0"
C1002	CORRIDOR	126 SF	10'-0"
E1014	ELECTRICAL	181 SF	EXPOSED
M1020	MECHANICAL	16 SF	EXPOSED
M1022	MECHANICAL	171 SF	EXPOSED
S102	STAR	352 SF	VARIES
T1012	TECHNOLOGY	92 SF	10'-0"

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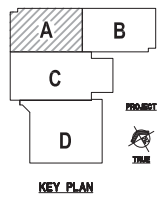
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NEW 3 SECTION ELEMENTARY SCHOOL  
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KEY PLAN

**VERIFICATION NOTE**

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.

SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

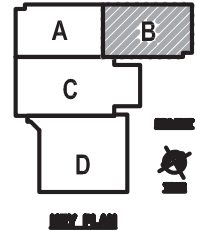
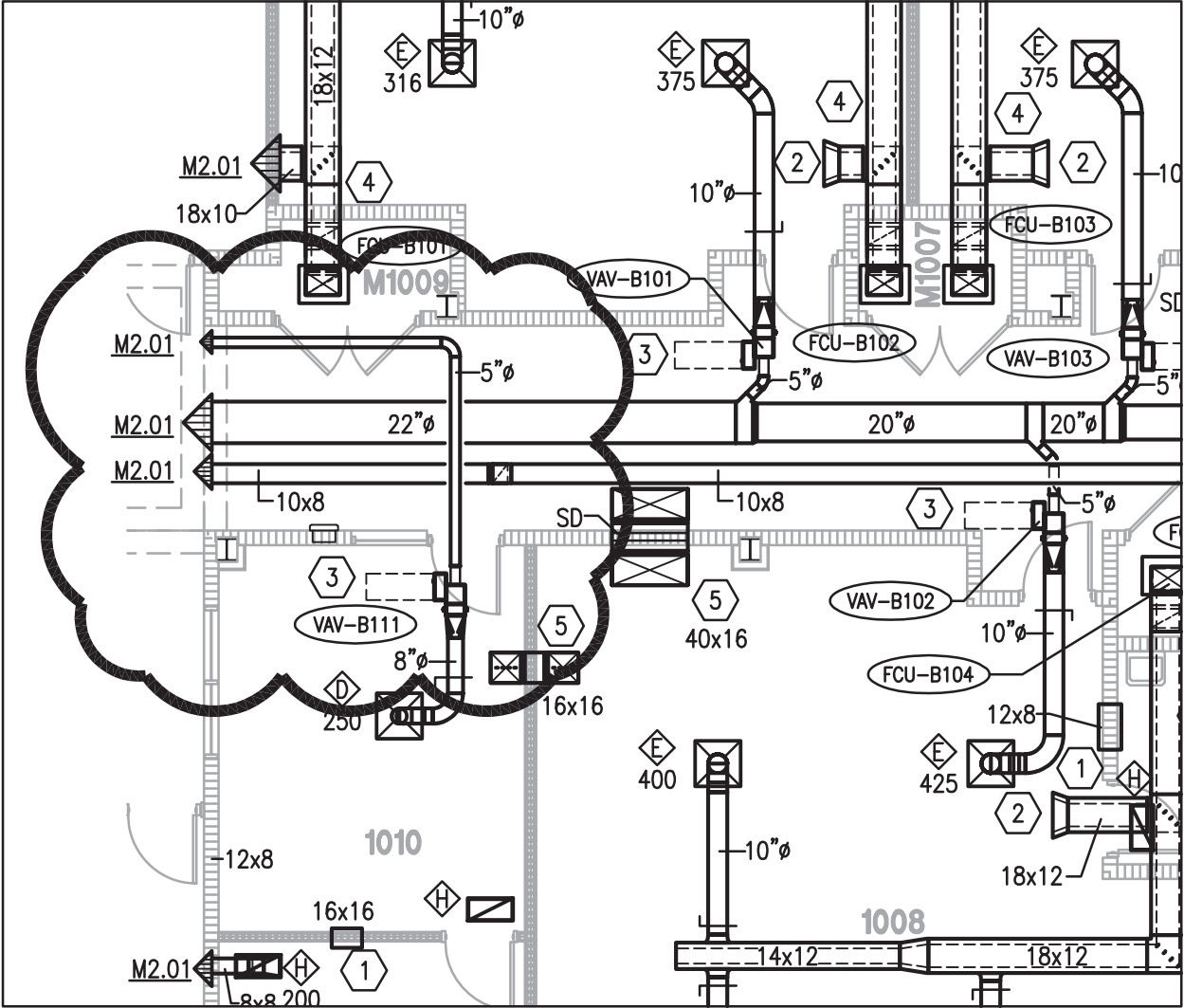
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11085

TITLE:  
**1ST FLOOR UNIT A VENTILATION PLAN**

SHEET:  
**M2.01**

# ATTACHMENT 76



11085

DATE ISSUED: 7 DECEMBER, 2012  
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 PHASE: \_\_\_\_\_

TITLE:  
 1ST FLOOR UNIT B  
 VENTILATION PLAN

SHEET:  
 SK-1/M2.02

BID  
 DOCUMENTS

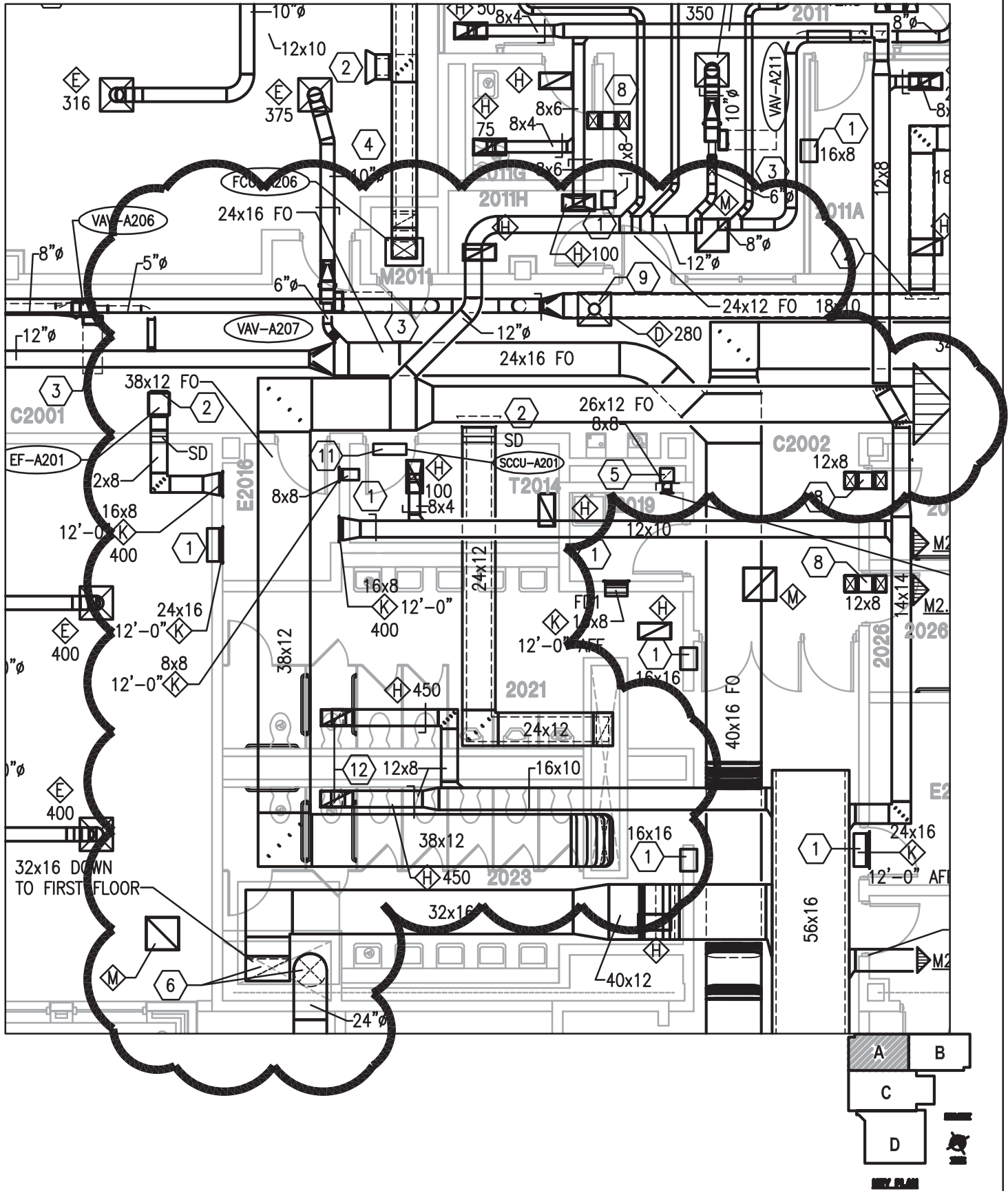
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# ATTACHMENT 77



11085

TITLE:  
2ND FLOOR UNIT A  
VENTILATION PLAN

SHEET:  
SK-1/M2.05

DATE ISSUED: 7 DECEMBER, 2012  
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## NEW 3 SECTION ELEMENTARY SCHOOL AT FISK-HOWARD SCHOOL

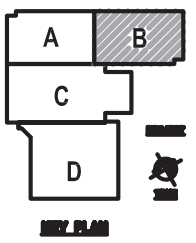
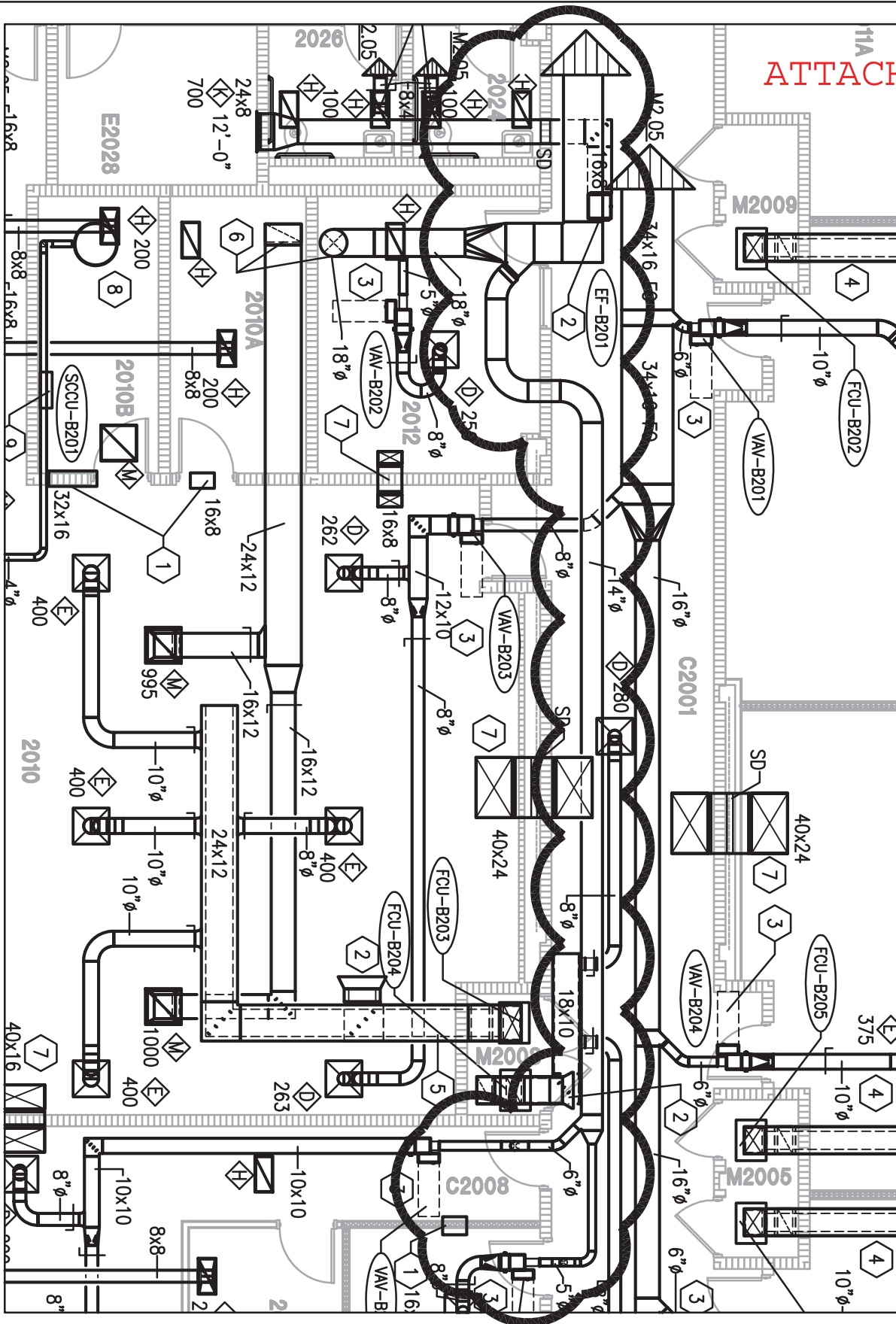
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11085

TITLE:  
2ND FLOOR UNIT C  
VENTILATION PLAN

SHEET:  
SK-1/M2.06

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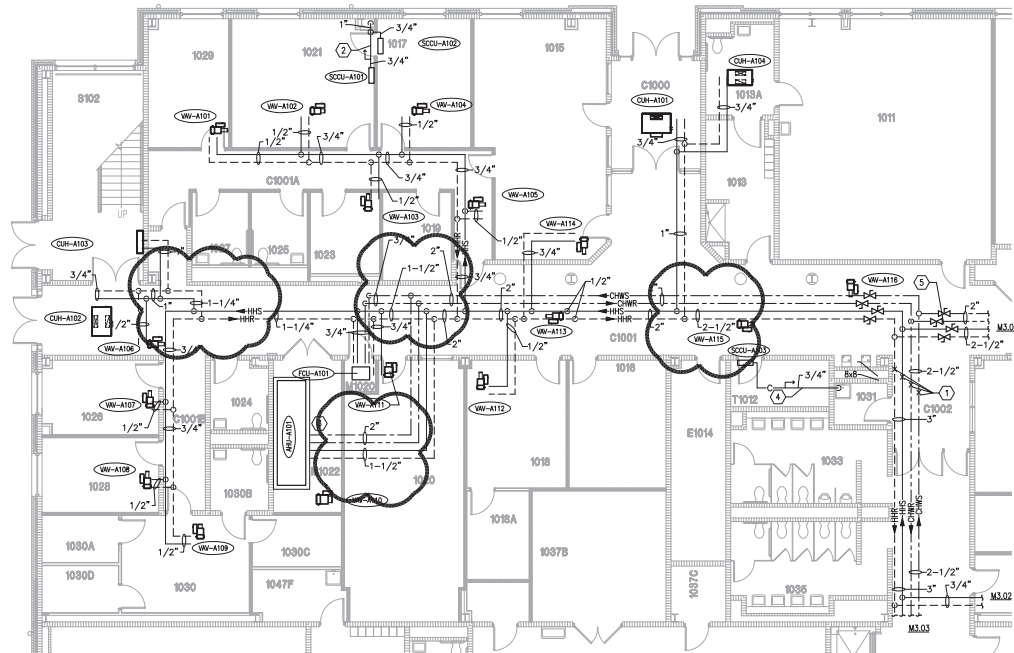
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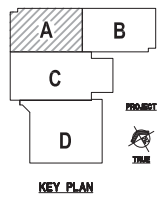
ROOM LEGEND		UNIT A 1ST FLOOR	
ROOM NO.	ROOM NAME	AREA	CLNG HT
1011	SPECIAL NEEDS CLASSROOM	849 SF	10'-0"
1013	CHANGING ROOM	149 SF	10'-0"
1013A	RESTROOM	87 SF	10'-0"
1015	RECEPTION	484 SF	10'-0"
1016	SPEECH	205 SF	10'-0"
1017	PRINCIPAL (OFFICE C)	201 SF	10'-0"
1018	OP/PT	209 SF	10'-0"
1018A	STORAGE	91 SF	10'-0"
1019	S.R.T.	100 SF	10'-0"
1020	FACILITY/Lounge	496 SF	10'-0"
1021	CONFERENCE	301 SF	10'-0"
1023	S.R.T.	99 SF	10'-0"
1024	RESTROOM	65 SF	10'-0"
1025	WOMEN	67 SF	10'-0"
1026	OFFICE A	142 SF	10'-0"
1027	MEN	68 SF	10'-0"
1028	OFFICE A	144 SF	10'-0"
1029	OFFICE A	170 SF	10'-0"
1030	HEALTH CLINIC	225 SF	10'-0"
1030A	COI/EXAM RM	60 SF	10'-0"
1030B	RESTROOM	60 SF	10'-0"
1030C	STORAGE	75 SF	10'-0"
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1037C	ELEVATOR EQUIPMENT	51 SF	EXPOSED
1047F	STORAGE	75 SF	10'-0"
C1000	VESTIBLE	150 SF	10'-0"
C1001	CORRIDOR	1402 SF	12'-0"
C1001A	CORRIDOR	323 SF	10'-0"
C1001B	CORRIDOR	107 SF	10'-0"
C1002	CORRIDOR	126 SF	10'-0"
E1014	ELECTRICAL	181 SF	EXPOSED
M1020	MECHANICAL	16 SF	EXPOSED
M1022	MECHANICAL	171 SF	EXPOSED
S102	STAR	352 SF	VARIES
T1012	TECHNOLOGY	92 SF	10'-0"

**DRAWING SHEET M3.01 NOTES**

- ① PIPE ANCHOR, REFER TO SPECIFICATION SECTION 230516.
- ② INSULATED COPPER CONDENSATE DRAIN PIPING FROM COOLING UNITS CONDENSATE DRAIN OUTLET. SLOPE PIPE A MINIMUM OF 1" PER LINEAR FOOT TO HUB DRAIN WITH TURN DOWN ELBOW AND CUT PIPE END AT 45 DEGREES ANGLE ABOVE DRAIN.
- ③ 1-1/2" CONDENSATE DRAIN LINE WITH TRAP TO O.S.D. COORDINATE EXACT LOCATION WITH DIVISION 22-PLUMBING CONTRACTOR. REFER TO DETAIL.
- ④ INSULATED COPPER CONDENSATE DRAIN PIPING FROM COOLING UNITS CONDENSATE DRAIN OUTLET. SLOPE PIPE A MINIMUM OF 1" PER LINEAR FOOT TO FSSK IN ROOM 1031 WITH TURN DOWN ELBOW AND CUT PIPE END AT 45 DEGREES ANGLE ABOVE DRAIN.
- ⑤ VALVES TO BE LOCATED ABOVE ACCESSIBLE CEILING.

**1ST FLOOR HVAC PIPING PLAN - UNIT "A"**  
1/8" = 1'-0"

PROVIDE 1" INSULATED CONDENSATE DRAIN WITH TRAP FROM EACH FAN COIL UNIT TO FLOOR DRAIN. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR. PROVIDE AIR GAP OVER DRAIN. REFER TO DETAILS.



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**NEW 3 SECTION ELEMENTARY SCHOOL  
AT FISK-HOWARD SCHOOL  
RECOVERY SCHOOL DISTRICT**  
NEW ORLEANS, LOUISIANA 70119  
211 S. LOPEZ STREET

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**11085**  
TITLE:  
**1ST FLOOR UNIT A  
HVAC PIPING PLAN**  
SHEET:  
**M3.01**

MARK	FAN COIL UNIT SCHEDULE																		
	FANS				COILS														
	SUPPLY				COOLING COIL (EWT 44')							HEATING COIL (EWT 150')							
CFM	EXT. S.P.	HP	ELEC.	EAT	LAT	SENS. MBH	GPM	WPD	EAT	LAT	MBH	GPM	WPD	EAT	LAT	MBH	GPM	WPD	
FCU-A101	560	0.5	1/3	277/1	75.0 62.5	57.7	-	10.5	1.50	0.7	70.0	118.0	29.0	1.93	0.8				
FCU-B101	950	0.5	1/2	277/1	75.0 62.5	57.8	-	17.6	2.51	1.1	70.0	114.5	45.6	3.04	2.2				
FCU-B102	950	0.5	1/2	277/1	75.0 62.5	57.8	-	17.6	2.51	1.1	70.0	114.5	45.6	3.04	2.2				
FCU-B103	950	0.5	1/2	277/1	75.0 62.5	57.8	-	17.6	2.51	1.1	70.0	114.5	45.6	3.04	2.2				
FCU-B104	1200	0.5	1/2	277/1	75.0 62.5	58.5	-	21.4	3.05	1.5	70.0	111.6	53.8	3.59	3.0				
FCU-B105	1200	0.5	1/2	277/1	75.0 62.5	58.5	-	21.4	3.05	1.5	70.0	111.6	53.8	3.59	3.0				
FCU-B106	560	0.5	1/3	277/1	75.0 62.5	57.7	-	10.5	1.50	0.7	70.0	118.0	29.0	1.93	0.8				
FCU-B107	950	0.5	1/2	277/1	75.0 62.5	57.8	-	17.6	2.51	1.1	70.0	114.5	45.6	3.04	2.2				
FCU-B108	1200	0.5	1/2	277/1	75.0 62.5	58.5	-	21.4	3.05	1.5	70.0	111.6	53.8	3.59	3.0				
FCU-B109	1200	0.5	1/2	277/1	75.0 62.5	58.5	-	21.4	3.05	1.5	70.0	111.6	53.8	3.59	3.0				
FCU-B110	950	0.5	1/2	277/1	75.0 62.5	57.8	-	17.6	2.51	1.1	70.0	114.5	45.6	3.04	2.2				
FCU-B111	950	0.5	1/2	277/1	75.0 62.5	57.8	-	17.6	2.51	1.1	70.0	114.5	45.6	3.04	2.2				
FCU-A201	1200	0.5	1/2	277/1	75.0 62.5	58.5	-	21.4	3.05	1.5	70.0	111.6	53.8	3.59	3.0				
FCU-A202	1200	0.5	1/2	277/1	75.0 62.5	58.5	-	21.4	3.05	1.5	70.0	111.6	53.8	3.59	3.0				
FCU-A203	950	0.5	1/2	277/1	75.0 62.5	57.8	-	17.6	2.51	1.1	70.0	114.5	45.6	3.04	2.2				
FCU-A204	950	0.5	1/2	277/1	75.0 62.5	57.8	-	17.6	2.51	1.1	70.0	114.5	45.6	3.04	2.2				
FCU-A205	1200	0.5	1/2	277/1	75.0 62.5	58.5	-	21.4	3.05	1.5	70.0	111.6	53.8	3.59	3.0				
FCU-A206	950	0.5	1/2	277/1	75.0 62.5	57.8	-	17.6	2.51	1.1	70.0	114.5	45.6	3.04	2.2				
FCU-B201	560	0.5	1/3	277/1	75.0 62.5	57.7	-	10.5	1.50	0.7	70.0	118.0	29.0	1.93	0.8				
FCU-B202	950	0.5	1/2	277/1	75.0 62.5	57.8	-	17.6	2.51	1.1	70.0	114.5	45.6	3.04	2.2				
FCU-B203	1600	0.5	1	277/1	75.0 62.5	58.0	-	29.4	4.20	1.8	70.0	118.3	83.3	5.55	2.5				
FCU-B204	560	0.5	1/3	277/1	75.0 62.5	57.7	-	10.5	1.50	0.7	70.0	118.0	29.0	1.93	0.8				
FCU-B205	950	0.5	1/2	277/1	75.0 62.5	57.8	-	17.6	2.51	1.1	70.0	114.5	45.6	3.04	2.2				
FCU-B206	950	0.5	1/2	277/1	75.0 62.5	57.8	-	17.6	2.51	1.1	70.0	114.5	45.6	3.04	2.2				
FCU-B207	1200	0.5	1/2	277/1	75.0 62.5	58.5	-	21.4	3.05	1.5	70.0	111.6	53.8	3.59	3.0				
FCU-B208	1200	0.5	1/2	277/1	75.0 62.5	58.5	-	21.4	3.05	1.5	70.0	111.6	53.8	3.59	3.0				
FCU-B209	950	0.5	1/2	277/1	75.0 62.5	57.8	-	17.6	2.51	1.1	70.0	114.5	45.6	3.04	2.2				
FCU-B210	950	0.5	1/2	277/1	75.0 62.5	57.8	-	17.6	2.51	1.1	70.0	114.5	45.6	3.04	2.2				

MARK	FAN COIL UNIT SCHEDULE																		
	FANS				COILS														
	SUPPLY				COOLING COIL (EWT 44')							HEATING COIL (EWT 150')							
CFM	EXT. S.P.	HP	ELEC.	EAT	LAT	SENS. MBH	GPM	WPD	EAT	LAT	MBH	GPM	WPD	EAT	LAT	MBH	GPM	WPD	
FCU-A301	1200	0.5	1/2	277/1	75.0 62.5	58.5	-	21.4	3.05	1.5	70.0	111.6	53.8	3.59	3.0				
FCU-A302	1200	0.5	1/2	277/1	75.0 62.5	58.5	-	21.4	3.05	1.5	70.0	111.6	53.8	3.59	3.0				
FCU-A303	950	0.5	1/2	277/1	75.0 62.5	57.8	-	17.6	2.51	1.1	70.0	114.5	45.6	3.04	2.2				
FCU-A304	950	0.5	1/2	277/1	75.0 62.5	57.8	-	17.6	2.51	1.1	70.0	114.5	45.6	3.04	2.2				
FCU-A305	1200	0.5	1/2	277/1	75.0 62.5	58.5	-	21.4	3.05	1.5	70.0	111.6	53.8	3.59	3.0				
FCU-A306	950	0.5	1/2	277/1	75.0 62.5	57.8	-	17.6	2.51	1.1	70.0	114.5	45.6	3.04	2.2				
FCU-A307	560	0.5	1/3	277/1	75.0 62.5	57.7	-	10.5	1.50	0.7	70.0	118.0	29.0	1.93	0.8				
FCU-B301	950	0.5	1/2	277/1	75.0 62.5	57.8	-	17.6	2.51	1.1	70.0	114.5	45.6	3.04	2.2				
FCU-B302	950	0.5	1/2	277/1	75.0 62.5	57.8	-	17.6	2.51	1.1	70.0	114.5	45.6	3.04	2.2				
FCU-B303	950	0.5	1/2	277/1	75.0 62.5	57.8	-	17.6	2.51	1.1	70.0	114.5	45.6	3.04	2.2				
FCU-B304	950	0.5	1/2	277/1	75.0 62.5	57.8	-	17.6	2.51	1.1	70.0	114.5	45.6	3.04	2.2				
FCU-B305	560	0.5	1/3	277/1	75.0 62.5	57.7	-	10.5	1.50	0.7	70.0	118.0	29.0	1.93	0.8				
FCU-B306	1200	0.5	1/2	277/1	75.0 62.5	58.5	-	21.4	3.05	1.5	70.0	111.6	53.8	3.59	3.0				
FCU-B307	1200	0.5	1/2	277/1	75.0 62.5	58.5	-	21.4	3.05	1.5	70.0	111.6	53.8	3.59	3.0				
FCU-B308	950	0.5	1/2	277/1	75.0 62.5	57.8	-	17.6	2.51	1.1	70.0	114.5	45.6	3.04	2.2				
FCU-B309	950	0.5	1/2	277/1	75.0 62.5	57.8	-	17.6	2.51	1.1	70.0	114.5	45.6	3.04	2.2				
FCU-C301	1600	0.5	1	277/1	75.0 62.5	58.0	-	29.4	4.20	1.8	70.0	118.3	83.3	5.55	2.5				
FCU-C302	560	0.5	1/3	277/1	75.0 62.5	57.7	-	10.5	1.50	0.7	70.0	118.0	29.0	1.93	0.8				
FCU-C303	1200	0.5	1/2	277/1	75.0 62.5	58.5	-	21.4	3.05	1.5	70.0	111.6	53.8	3.59	3.0				
FCU-C304	560	0.5	1/3	277/1	75.0 62.5	57.7	-	10.5	1.50	0.7	70.0	118.0	29.0	1.93	0.8				

- NOTES:  
 1. REFER TO SPECIFICATION SECTION 238219.  
 2. HEATING COIL TO BE PLACED IN REHEAT POSITION.  
 3. REFER TO PLANS & SCHEMATIC SHEETS FOR UNIT LAYOUT DETAILS.  
 4. DISCONNECT TO BE PROVIDED BY DIVISION 26.  
 5. COOLING COIL SHALL BE SELECTED WITH NO GLYCOL.

- NOTES:  
 1. REFER TO SPECIFICATION SECTION 238219.  
 2. HEATING COIL TO BE PLACED IN REHEAT POSITION.  
 3. REFER TO PLANS & SCHEMATIC SHEETS FOR UNIT LAYOUT DETAILS.  
 4. DISCONNECT TO BE PROVIDED BY DIVISION 26.  
 5. COOLING COIL SHALL BE SELECTED WITH NO GLYCOL.

MARK	AIR HANDLING UNIT SCHEDULE																								NOTES	WEIGHT
	FANS				COILS																					
	SUPPLY				COOLING COIL (EWT 44')						HEATING COIL (EWT 150')															
CFM	MAX O.A.	EXT. S.P.	TOTAL S.P.	HP	TYPE	ELEC.	EAT	LAT	COOLING LOAD SENS.	TOTAL	GPM	WTR	WPD	APD	EAT	LAT	MBH	GPM	WTD	WPD	APD					
AHU-A101	7,000	2,100	2.25	5.15	(2) 10.0	PLENUM	460/3	73.5	51.6	167.7	197.6	27.7	14.3	2.8	1.60	68.6	100.6	244.9	16.0	31.6	0.20	0.43	1.2,3,4,5,6	2,846 LBS		
XXXX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX		
AHU-D201	22,000	4,400	1.50	3.52	(2) 15.0	PLENUM	460/3	74.0	51.8	533.3	644.5	90.9	14.2	8.1	0.90	70.0	100.8	742.1	48.1	30.8	2.60	0.24	1,2,3,4,5,6	7,021 LBS		
AHU-D202	13,000	5,850	2.25	3.89	15.0	FC	460/3	72.6	52.2	292.8	345.3	49.1	14.1	12.2	0.61	68.9	101.3	459.9	29.5	31.2	1.40	0.27	1,2,3,4,5	4,405 LBS		
AHU-D203	9,000	3,870	2.25	3.89	15.0	FC	460/3	72.9	51.1	205.1	242.4	34.4	14.1	7.0	0.63	68.9	100.7	313.2	20.4	30.7	1.10	0.26	1,2,3,4,5	3,355 LBS		

- NOTES:  
 1. REFER TO SPECIFICATION SECTION 23731.3.  
 2. REFER TO VAV TERMINAL UNIT SCHEDULE FOR OUTSIDE AIR VALUES.  
 3. REFER TO PLANS & SCHEMATIC SHEETS FOR UNIT LAYOUT DETAILS.  
 4. VARIABLE FREQUENCY CONTROLLER (VFC) SHALL BE PROVIDED ON SUPPLY FAN.  
 5. REFER TO ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR VFC'S.  
 6. PROVIDE CONVENIENCE OUTLET AND LIGHTS ON SEPARATE CIRCUIT.  
 7. UNIT SHALL BE SUPPLIED WITH FACTORY MOUNTED BELLMOUTH FITTING

MARK	MBH	AIR-COOLED CONDENSING UNIT SCHEDULE				SERVICE	NOTES
		NOMINAL TONS	SUCTION TEMP	AMBIENT TEMP	KW		
ACCU-A101	12.0	1.0	45	105	1.0	208/1	1,2,3,4,5,6
ACCU-A102	12.0	1.0	45	105	1.0	208/1	1,2,3,4,5,6
ACCU-A103	12.0	1.0	45	105	1.0	208/1	1,2,3,4,5,6
ACCU-A201	12.0	1.0	45	105	1.0	208/1	1,2,3,4,5,6
ACCU-A301	12.0	1.0	45	105	1.0	208/1	1,2,3,4,5,6
ACCU-B201	22.5	2.0	45	105	1.8	208/1	1,2,3,4,5,6
ACCU-D101	60.7	5.0	45	105	6.5	480/3	1,2,3,4,6
ACCU-D102	12.0	1.0	45	105	1.0	208/1	1,2,3,4,5,6
ACCU-D103	12.0	1.0	45	105	1.0	208/1	1,2,3,4,5,6

- NOTES:  
 1. UNIT SHALL BE ROOF MOUNTED ON EQUIPMENT RAILS AND VIBRATION ISOLATORS.  
 2. REFER TO PROJECT MANUAL SECTION 236200.  
 3. INCLUDE THE FOLLOWING ACCESSORIES: HIGH AMBIENT UNLOADER PRESSURE/STAT, PROTECTIVE COIL GUARDS, PHASE LOSS/VOLTAGE PROTECTION, HAIL GUARD, AND VIBRATION ISOLATORS.  
 4. UNIT SHALL INCLUDE LOW AMBIENT EVAPORATOR DEFROST CONTROL.  
 5. OUTDOOR UNIT TO POWER INDOOR UNIT.  
 6. ALL INTERCONNECTIONS LINE AND LOW VOLTAGE CABLING BETWEEN OUTDOOR AND INDOOR UNITS SHALL BE BY DIVISION 23, INCLUDING CONDUIT AND CONDUCTORS.

**VergesRome** Architects  
**FANNING HOWEY**  
 A Joint Venture  
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NEW 3 SECTION ELEMENTARY SCHOOL  
 AT FISK-HOWARD SCHOOL  
 RECOVERY SCHOOL DISTRICT  
 NEW ORLEANS, LOUISIANA 70119  
 211 S. LOPEZ STREET

DATE ISSUED: 7 DECEMBER 2012  
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BID DOCUMENTS  
**11085**  
 TITLE:  
**HVAC SCHEDULES**  
 SHEET:  
**M5.02**

# ATTACHMENT 81

## VARIABLE FREQUENCY CONTROLLER SCHEDULE

MARK	HP	ELEC SERV	MARK SERVING	EQUIPMENT SERVING	NOTES
VFC-A101	20.0 HP	460/3	AHU-A101	SUPPLY FAN	1,2,3,4,6
XXX	XX	XX	XX	XX	XX
VFC-D201	30.0 HP	460/3	AHU-D201	SUPPLY FAN	1,2,3,4,5
VFC-D202	15.0 HP	460/3	AHU-D202	SUPPLY FAN	1,2,3,4
VFC-D203	15.0 HP	460/3	AHU-D203	SUPPLY FAN	1,2,3,4
VFC-D204	15.0 HP	460/3	P-D201	CHILLED WATER PUMP	1,2,3,4
VFC-D205	15.0 HP	460/3	P-D202	CHILLED WATER PUMP	1,2,3,4
VFC-D206	15.0 HP	460/3	P-D203	CHILLED WATER PUMP	1,2,3,4
VFC-D207	7.5 HP	460/3	P-D204	HEATING WATER PUMP	1,2,3,4
VFC-D208	7.5 HP	460/3	P-D205	HEATING WATER PUMP	1,2,3,4

### NOTES

1. REFER TO CONTRACTOR SCOPE REQUIREMENTS FOR RESPONSIBILITY.
2. DIVISION 26 CONTRACTOR TO PROVIDE POWER WIRING TO VFC AND FROM VFC TO MOTOR.
3. TEMPERATURE CONTROL CONTRACTOR SHALL PROVIDE ALL TEMPERATURE CONTROL WIRING.
4. REFER TO PROJECT MANUAL SECTION 232923.
5. VFC TO CONTROL TWO (2) 15 HP PLENUM SUPPLY FANS.
6. VFC TO CONTROL TWO (2) 10 HP PLENUM SUPPLY FANS.

MODIFIED VFC SCHEDULE TO REFLECT REMOVAL OF AHU-A201 AND  
MODIFICATION OF AHU-A101

11085

TITLE:  
HVAC SCHEDULES

SHEET:  
SK-1/M5.03

DATE ISSUED: 7 DECEMBER, 2012  
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# ATTACHMENT 82

VAV #/NAME	250	125	8.2	0.8	5"	1.0	21	20.6
VAV-A107	250	125	8.2	0.8	5"	1.0	21	20.6
VAV-A108	200	100	7.2	0.7	5"	1.0	16	20.7
VAV-A109	400	200	18.8	1.3	6"	1.0	18	28.9
VAV-A110	2100	0	-	-	-	-	-	-
VAV-A111	700	350	31.3	2.3	8"	1.0	18	27.2
VAV-A112	250	125	8.2	0.8	5"	1.0	21	20.6
VAV-A113	200	100	7.2	0.7	5"	1.0	16	20.7
VAV-A114	300	150	9.3	1.0	5"	1.0	24	18.7
VAV-A115	100	0	-	-	-	-	-	-
VAV-A116	225	0	-	-	-	-	-	-
VAV-B101	375	0	-	-	-	-	-	-
VAV-B102	425	0	-	-	-	-	-	-

VAV-A203	375	0	-	-	-	-	-	-
VAV-A204	375	0	-	-	-	-	-	-
VAV-A205	375	0	-	-	-	-	-	-
VAV-A206	100	0	-	-	-	-	-	-
VAV-A207	375	0	-	-	-	-	-	-
VAV-A208	NOT REQUIRED							
VAV-A209	150	75	6.2	0.5	5"	1.0	11	24.8
VAV-A210	150	75	6.2	0.5	5"	1.0	11	24.8
VAV-A211	350	175	17.0	1.1	6"	1.0	16	30.9
VAV-A212	150	75	6.2	0.5	5"	1.0	11	24.8
VAV-A213	250	125	8.2	0.8	5"	1.0	21	30.6

### GENERAL NOTES:

- UNIT MANUFACTURER SHALL PROVIDE REQUIRED HANGING BRACKETS TO PROPERLY SUPPORT UNIT.
- HEATING COIL DESIGN BASED ON HIGH EFFICIENCY HOT WATER COIL

MODIFIED VAV SCHEDULE TO REMOVE VAV-A208 AND MODIFY FLOW THROUGH VAV-A110

11085

TITLE:  
HVAC SCHEDULES

SHEET:  
SK-2/M5.03

DATE ISSUED: 7 DECEMBER, 2012  
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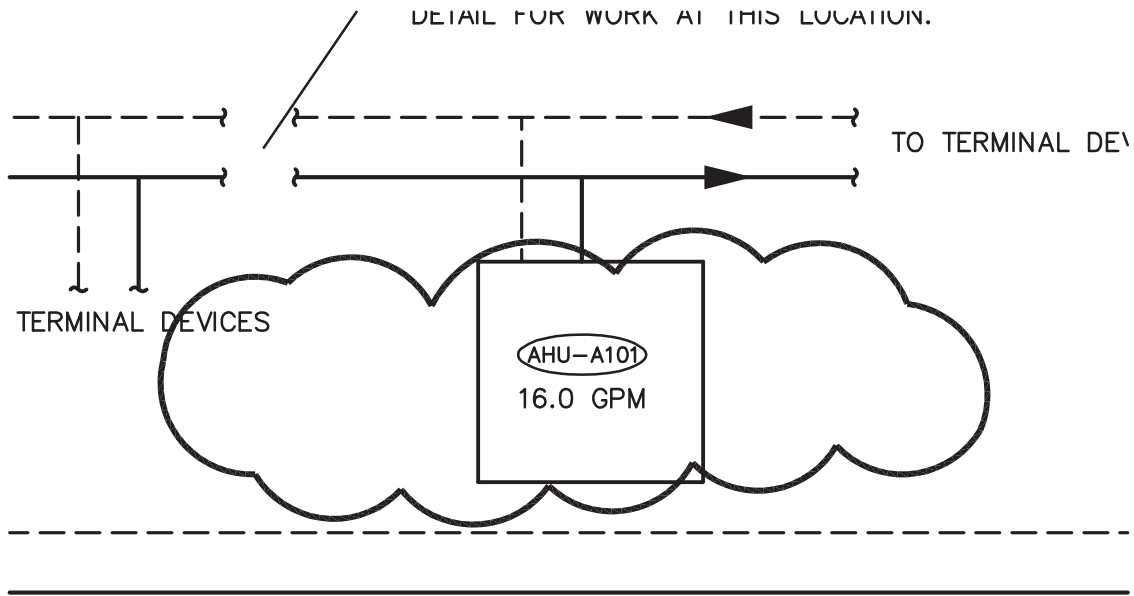
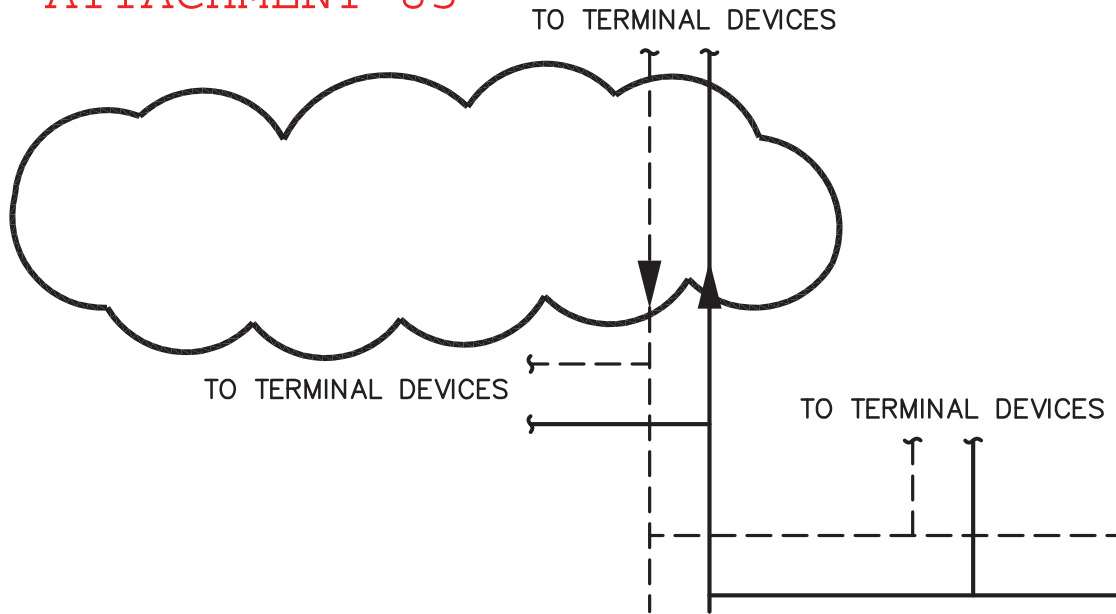
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# ATTACHMENT 83



REMOVE AHU-A201 FROM SCHEMATIC. CHANGE FLOW ON AHU-A101 TO 16.0 GPM.

11085

TITLE:  
HVAC HEATING WATER  
PIPING SCHEMATIC

SHEET:  
SK-4/M5.07

DATE ISSUED: 7 DECEMBER, 2012  
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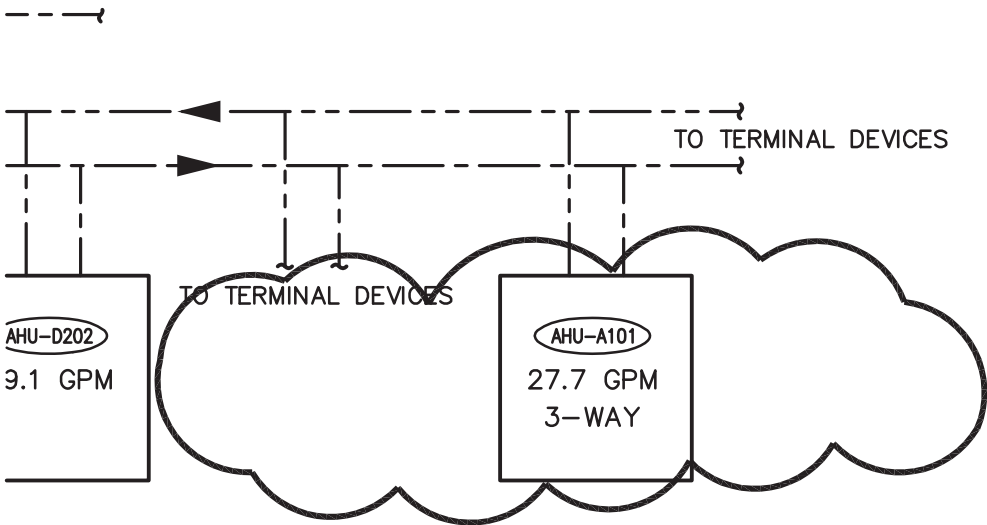
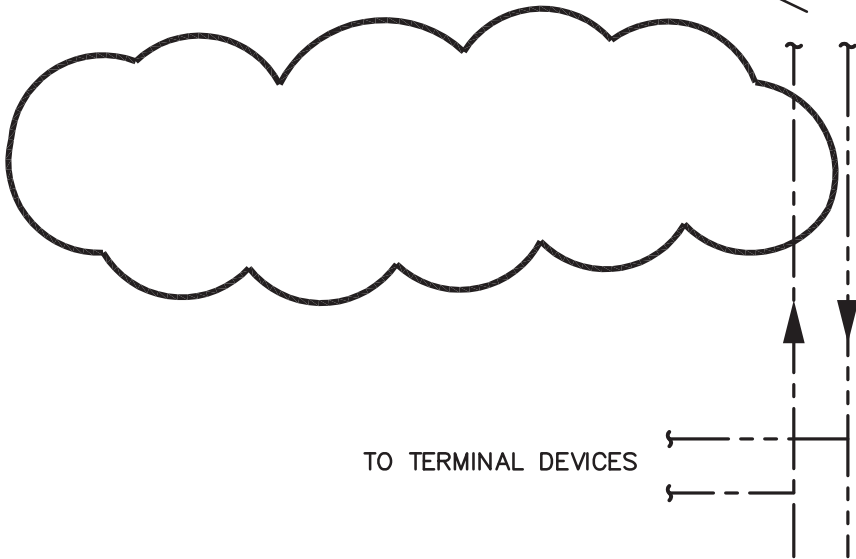
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SEE DIFFERENTIAL PRESSURE TRANSMITTER  
DETAIL FOR WORK AT THIS LOCATION.



REMOVE AHU-A201 FROM SCHEMATIC. CHANGE FLOW ON AHU-A101 TO 27.7 GPM.

11085

TITLE:  
HVAC CHILLED WATER  
PIPING SCHEMATIC

SHEET:  
SK-1/M5.08

DATE ISSUED: 7 DECEMBER, 2012  
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# ATTACHMENT 85

MAXIMUM ALLOWABLE FAN SOUND LEVELS								
MARK	TYPE	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz
AHU-A101	SUPPLY	87	82	84	90	89	89	85
XXX	X	X	X	X	X	X	X	X
AHU-D201	SUPPLY	89	79	81	88	86	85	82
AHU-D202	SUPPLY	94	93	91	87	89	82	77
AHU-D203	SUPPLY	90	92	90	91	85	79	75
DOAU-C301	SUPPLY	91	91	98	104	98	96	92
DOAU-C301	EXHAUST	81	85	90	83	76	72	69
DOAU-D201	SUPPLY	88	88	97	100	93	91	87
DOAU-D201	EXHAUST	81	84	94	87	79	78	75
DOAU-D202	SUPPLY	96	89	84	88	80	76	73
DOAU-D202	EXHAUST	81	81	80	76	79	77	73
FCU 560 CFM	SUPPLY	68	68	60	59	55	49	46
FCU 950 CFM	SUPPLY	73	73	70	68	64	58	55
FCU 1200 CFM	SUPPLY	73	73	70	68	64	58	55

L  
E

MAXIMUM SOUND LEVEL SCHEDULE, REMOVE AHU-A201. MODIFY SOUND LEVELS FOR AHU-A101.

**11085**

TITLE:  
MECHANICAL DETAILS  
AND SCHEDULES

SHEET:  
**SK-1/M5.09**

DATE ISSUED: 7 DECEMBER, 2012  
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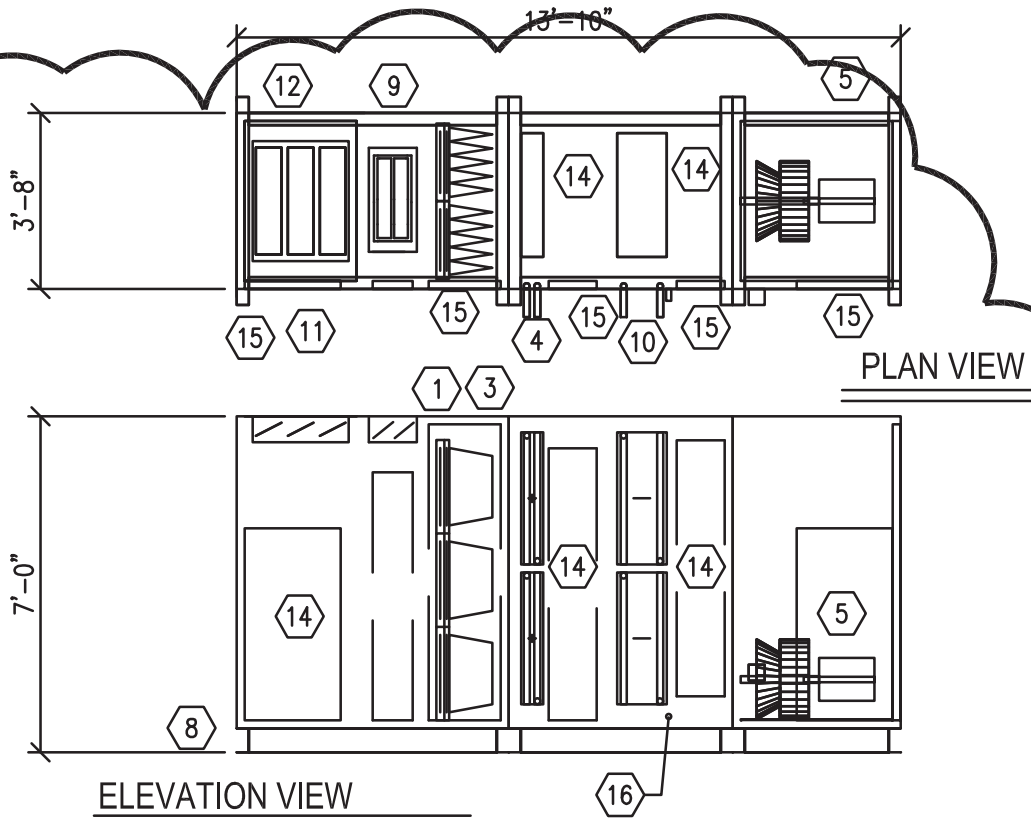
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PLAN VIEW

ELEVATION VIEW

AHU-A101

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

3

MODIFIED AHU-A101 PLAN/ELEVATION VIEW.

11085

TITLE:  
AHU/DOAU  
DETAILS

SHEET:  
SK-1/M5.10

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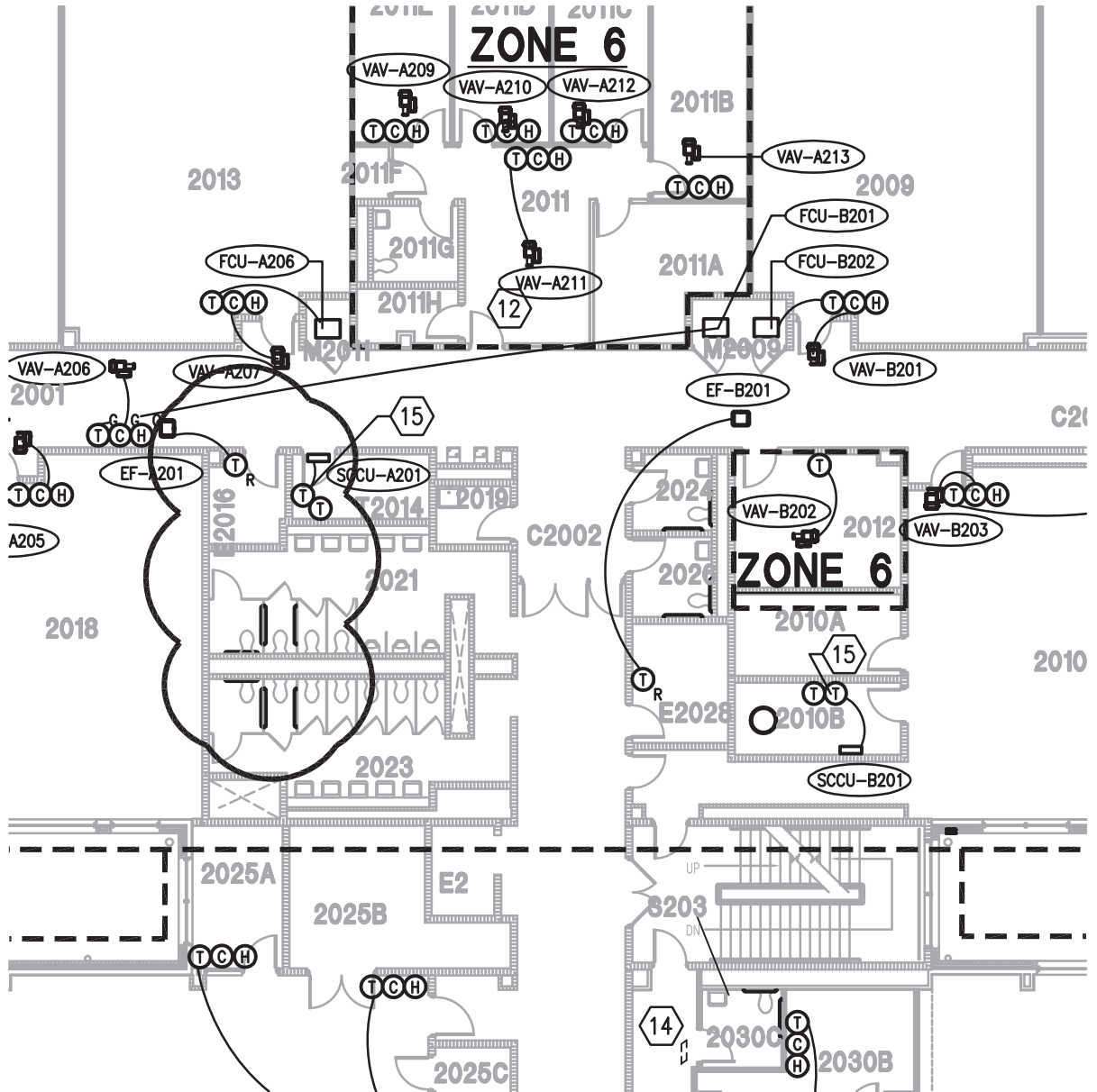
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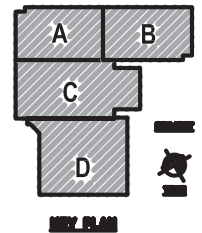


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# ATTACHMENT 87



REMOVED VAV-A208 AND AHU-A201



## NEW 3 SECTION ELEMENTARY SCHOOL AT FISK-HOWARD SCHOOL RECOVERY SCHOOL DISTRICT

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11085

TITLE:  
2ND FLOOR  
TEMP. CONTROL PLAN

SHEET:  
SK-2/M6.02

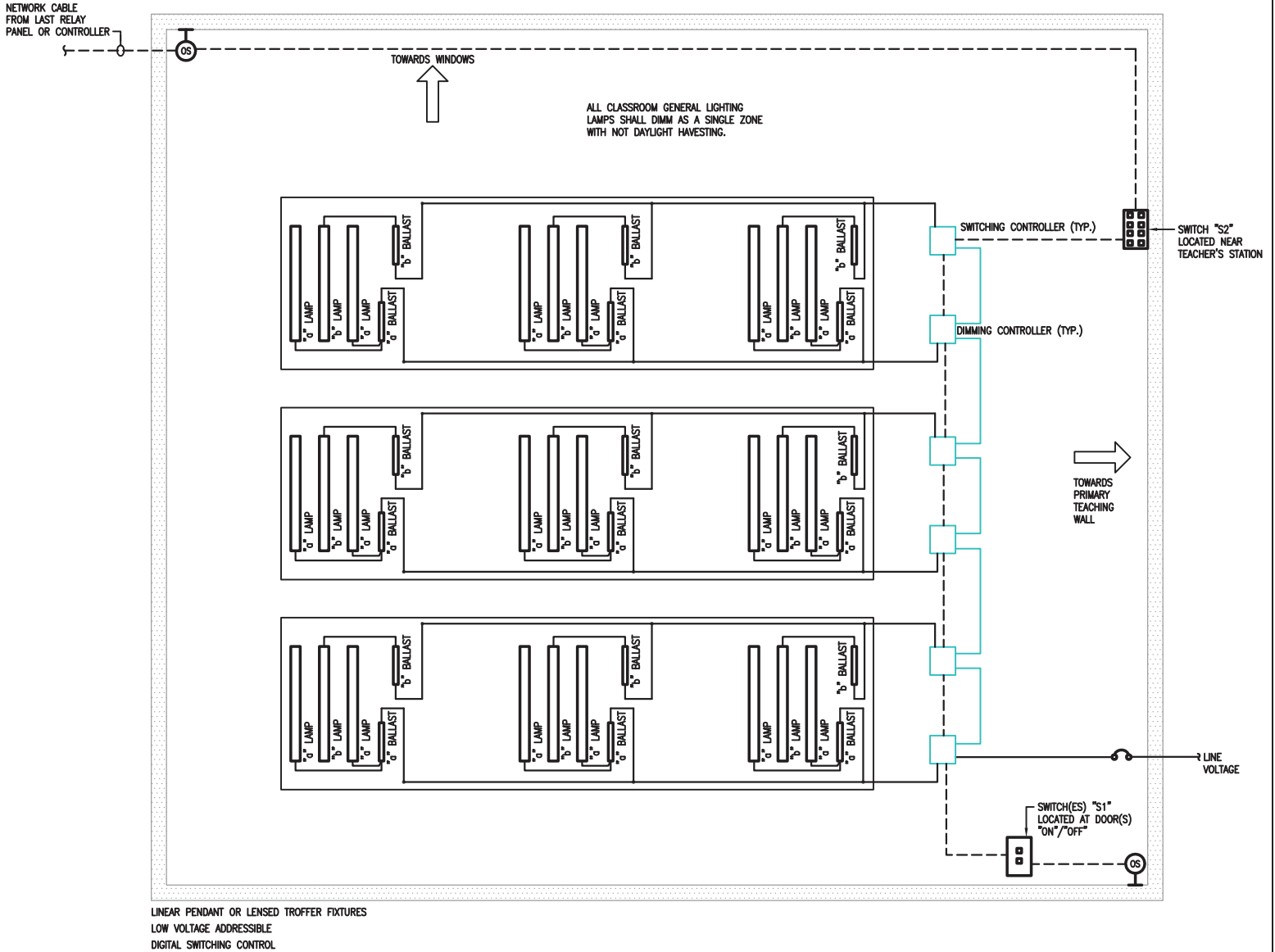
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# ATTACHMENT 88



**1** TYPICAL CLASSROOM WIRING DIAGRAM "NO DAYLIGHT HARVESTING"  
(LOW VOLTAGE CONTROL WITHOUT MARKER BOARD LT)

NO SCALE

<p>11085</p> <p>TITLE:</p> <p style="text-align: center;"><b>ELECTRICAL DETAILS</b></p> <p>SHEET:</p> <p><b>SK-1/E1.06</b></p>	<p>DATE ISSUED: 7 DECEMBER, 2012</p> <p>REVISED: ADDENDUM 02.23 JANUARY, 2013</p> <p>REVISED:</p> <p>REVISED:</p> <p>REVISED:</p> <p>DRAWN BY: <b>GLM</b></p> <p>CHECKED BY: <b>CS</b></p> <p>PHASE:</p>
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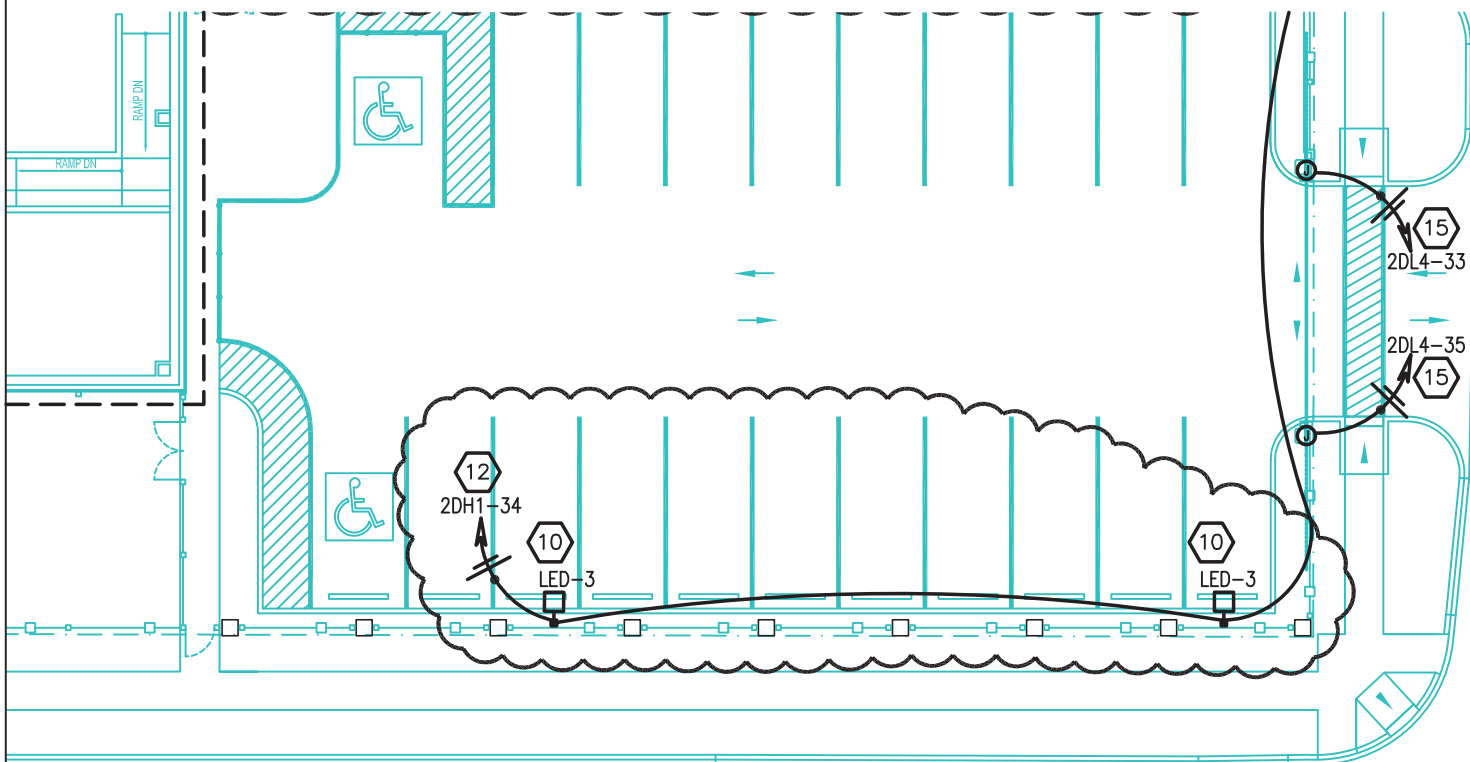


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# SITE PLAN NOTES:



10 POLE MOUNTED LIGHT FIXTURES. REFER TO DETAILS 4-E1.03 & 5-E1.04 FOR BASE REQUIREMENTS.



RA STREET

11085

TITLE:  
ELECTRICAL  
SITE PLAN

SHEET:  
SK-2/E2.01

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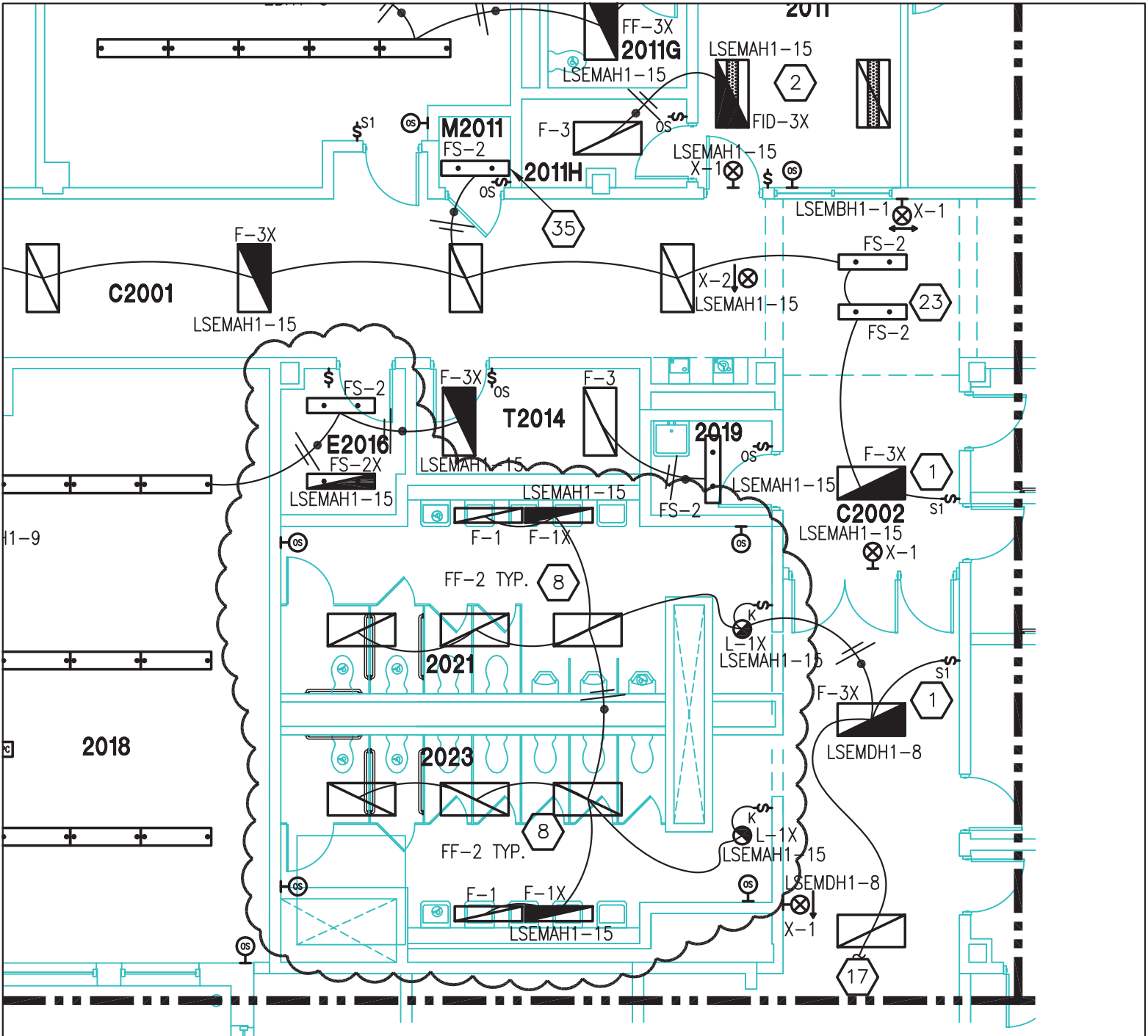
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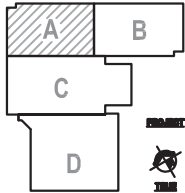
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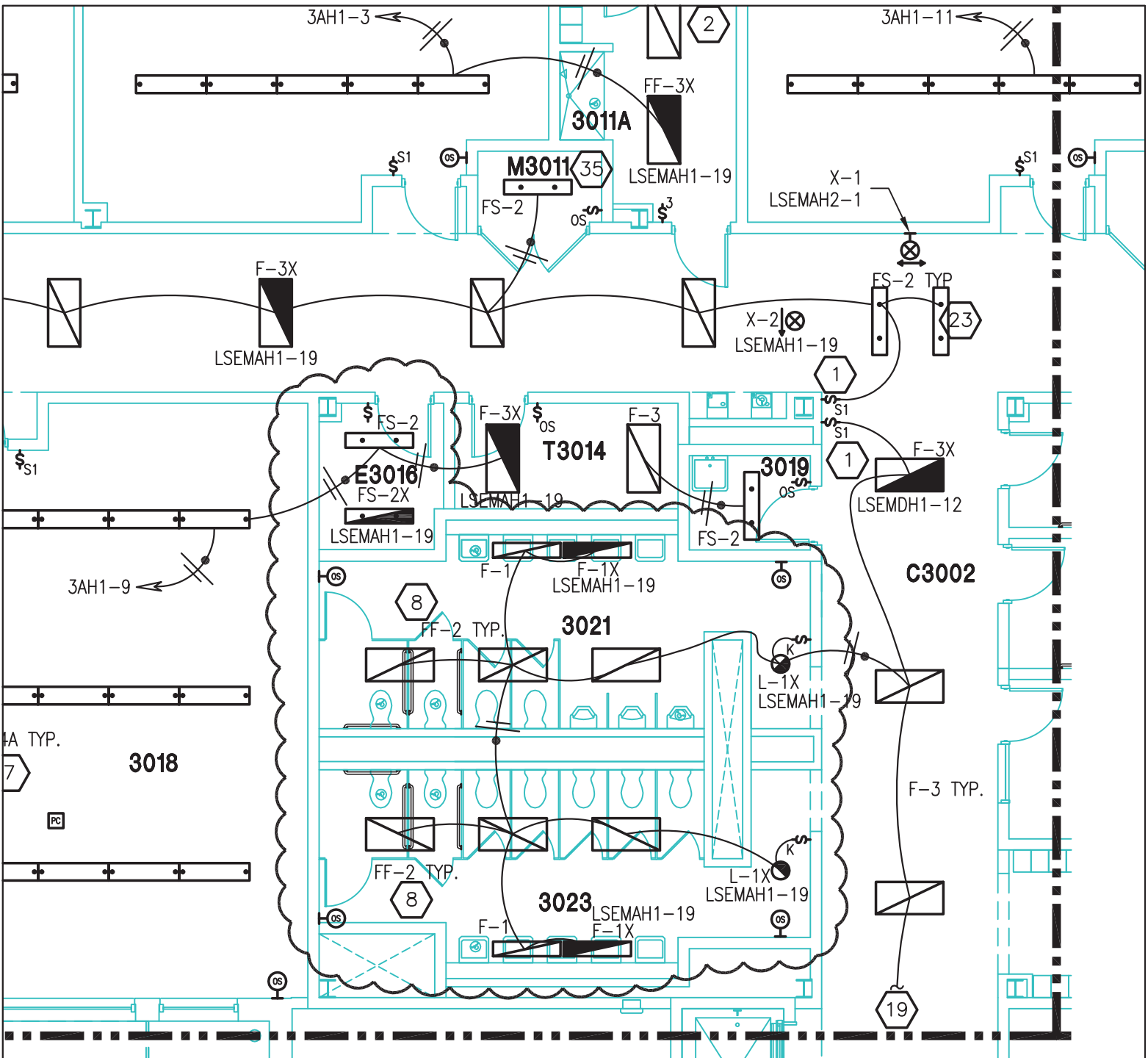
**KEY PLAN**

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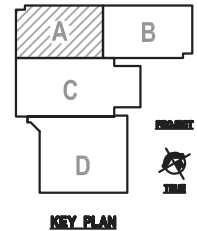
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TITLE:  
 UNIT A THIRD FLOOR  
 LIGHTING PLAN

SHEET:  
 SK-2/E4.09

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 DOCUMENTS

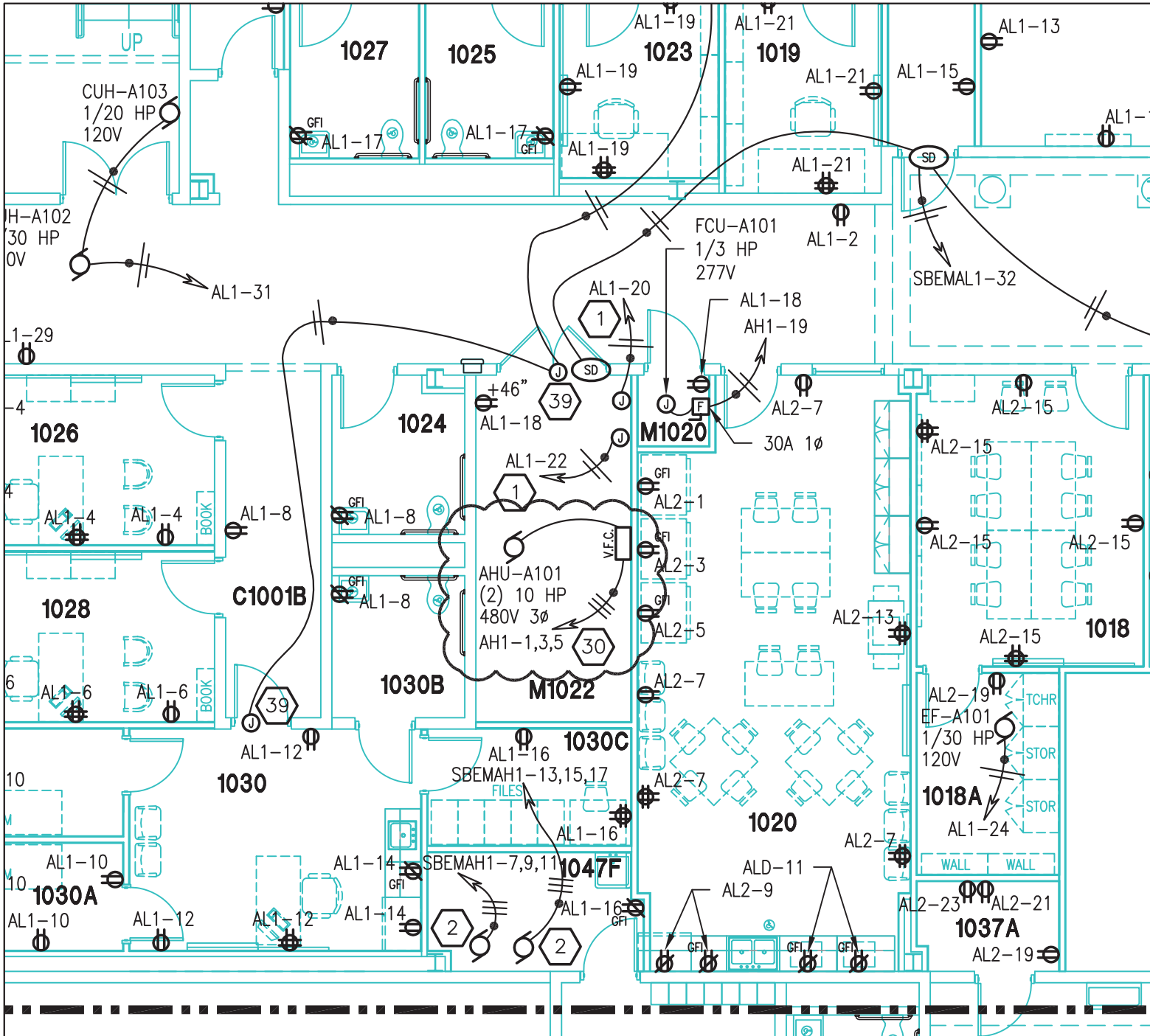
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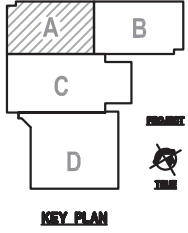
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TITLE:  
 UNIT A FIRST FLOOR  
 POWER PLAN

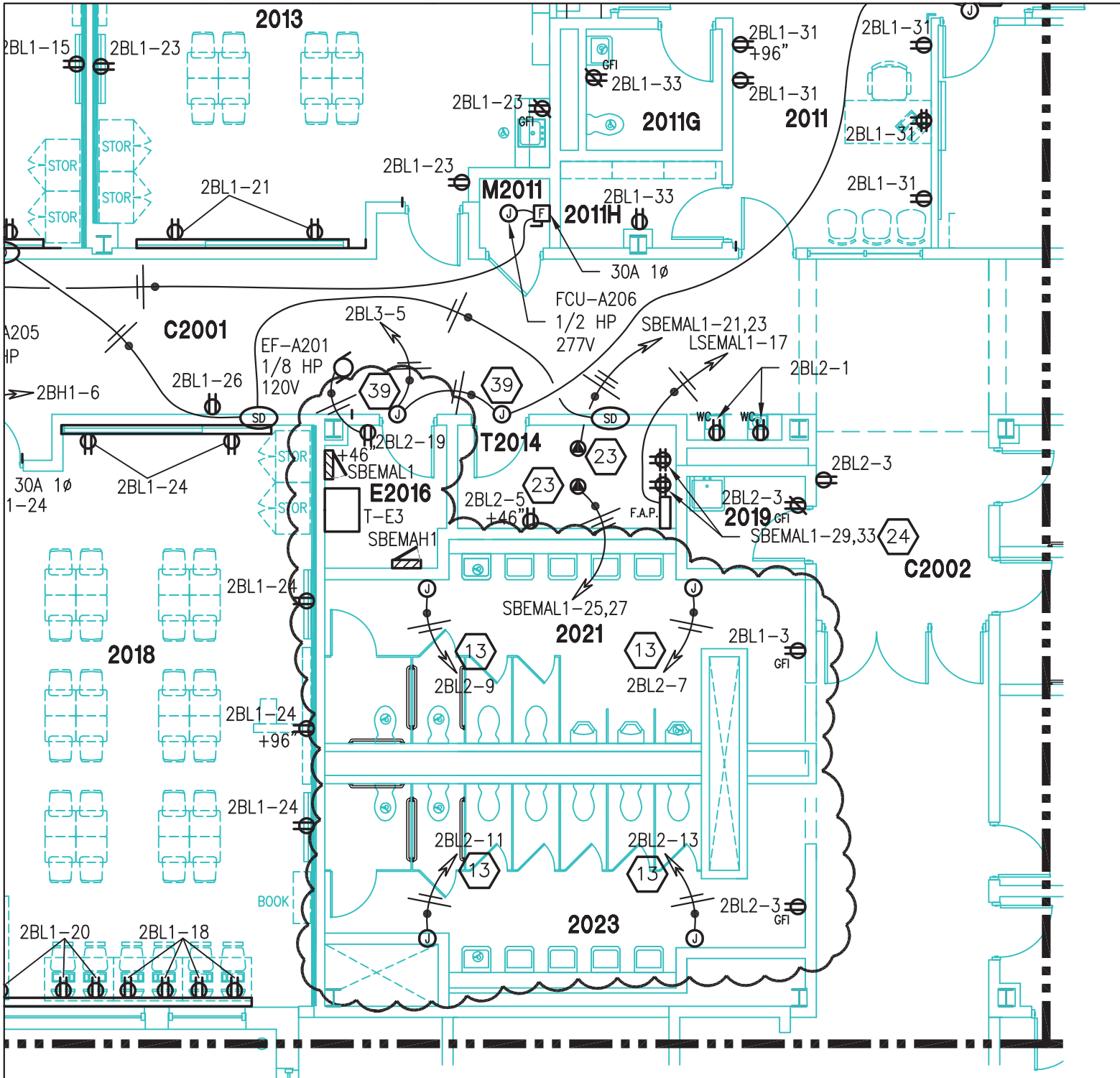
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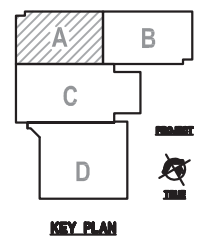
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TITLE:  
 UNIT A SECOND FLOOR  
 POWER PLAN

SHEET:  
 SK-1/E5.05

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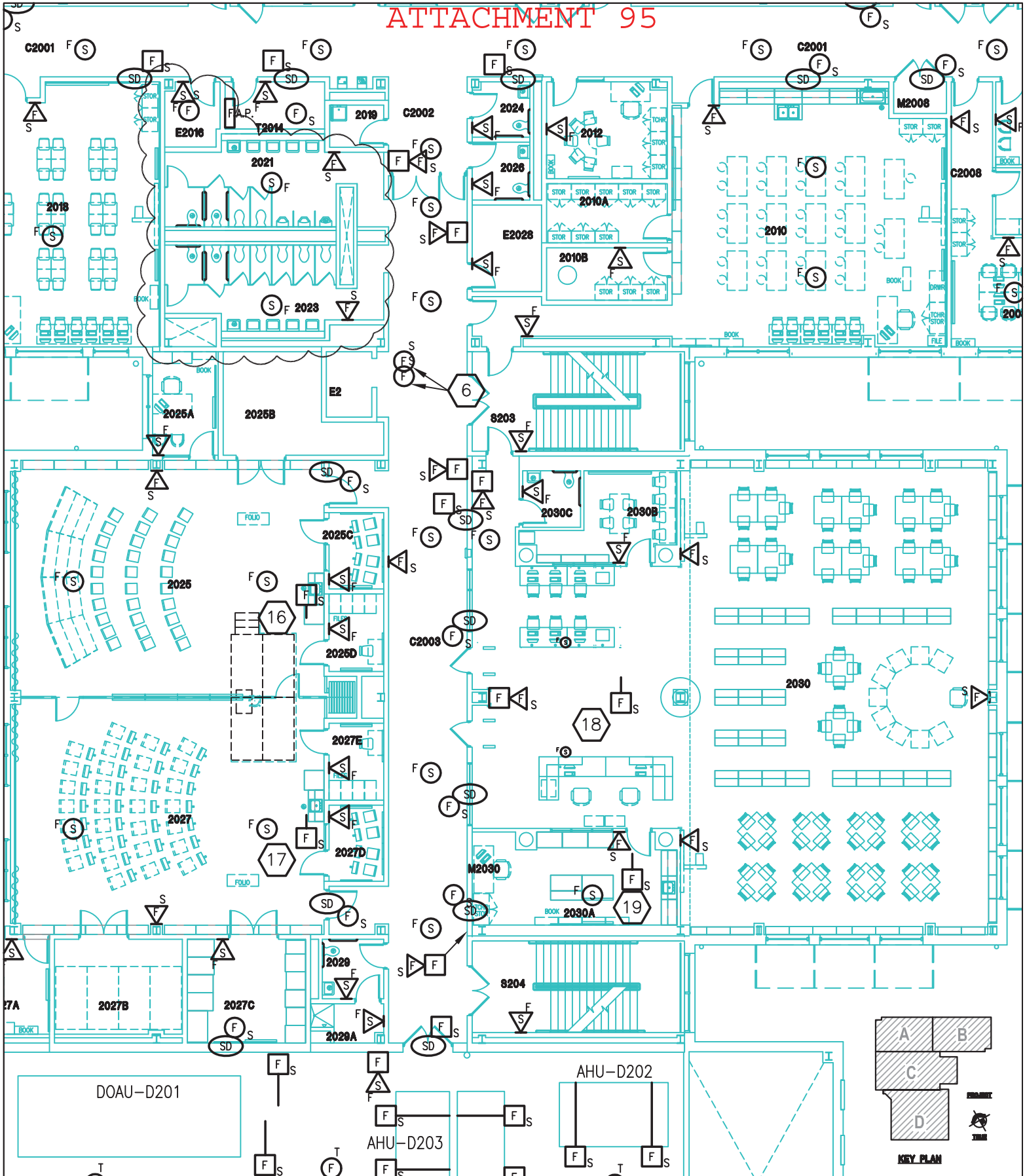
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# ATTACHMENT 95



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TITLE:  
SECOND FLOOR  
FIRE ALARM PLAN

SHEET:  
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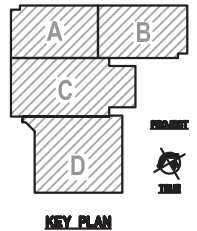
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## NEW 3 SECTION ELEMENTARY SCHOOL AT FISK-HOWARD SCHOOL

RECOVERY SCHOOL DISTRICT

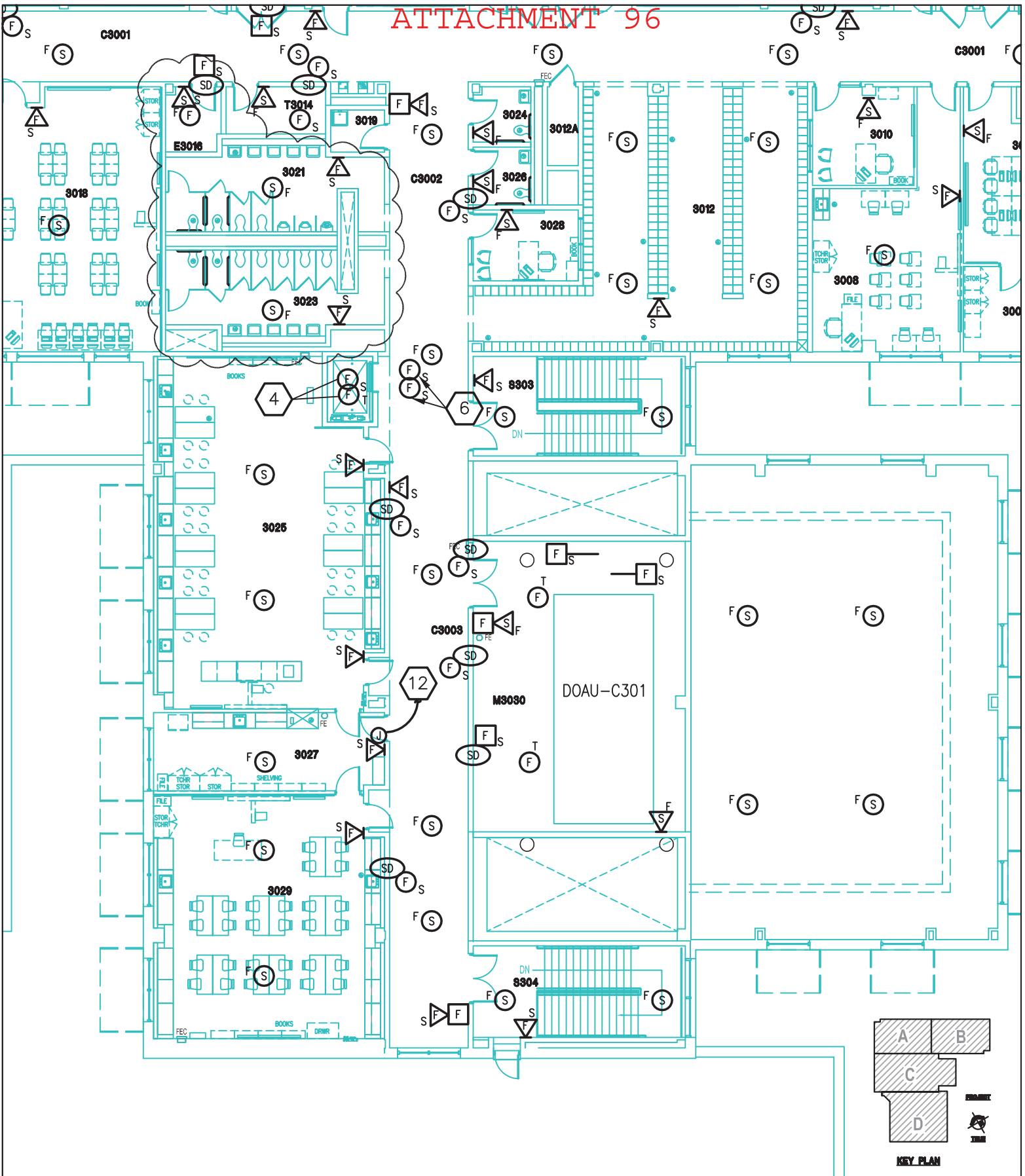
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TITLE:  
THIRD FLOOR  
FIRE ALARM PLAN

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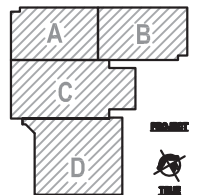
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AT FISK-HOWARD SCHOOL

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KEY PLAN

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# ATTACHMENT 97

## LIGHT FIXTURE SCHEDULE

PLAN TYPE	MANUFACTURER/CATALOG	MOUNTING	LAMPS			APPLIED VOLTAGE	DESCRIPTION
			NO.	WATTS	TYPE/LU		
LED-3	KIM LIGHTING WD18 SERIES GARDCO 140 SERIES LITHONIA AERIS AS1 LED SERIES	POLE	1	75	LED 4000K 530MA	277	AREA LIGHT, TYPE 3 DIST,RECT.HSNG,VENTED FLOW THRU FLAT TOP, FLAT TEMP. GLASS LENS,ARM MOUNT, PAINT FROM STAND. COLORS TBD LATER. MNT TO 18 FT, 5" SQR STRT STEEL POLE. RATED FOR 150MPH WIND GUST. 6346 DLVRD LUMENS. RFR TO DTL 4/E1.03 W/ 2'-6" BASE ABV GRD
LED-4	KIM LIGHTING WD18 SERIES GARDCO 140 SERIES LITHONIA AERIS AS1 LED SERIES	POLE	1	75	LED 4000K 530MA	277	AREA LIGHT, TYPE 3 DIST,RECT.HOUSING, VENTED FLOW THRU FLAT TOP, FLAT TEMP. GLASS LENS,ARM MOUNT, PAINT FROM STAND. COLORS TBD LATER. MOUNT TO 12 FT, 5" SQUARE STRAIGHT STEEL POLE. RATED FOR 150MPH WIND GUST. 6346 DELIVERED LUMENS. REFER TO DETAIL 5/E1.04

11085

TITLE:  
LUMINAIRE  
SCHEDULES

SHEET:  
SK-2/E8.01

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NEW 3 SECTION ELEMENTARY SCHOOL  
 AT FISK-HOWARD SCHOOL  
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# ATTACHMENT 98

<b>PANEL ID:</b> 2BL2 <b>CONFIGURATION:</b> 208Y/120 V, 3-PHASE, 4 WIRE PLUS GROUND <b>MAIN:</b> 400 A, MLO <b>SCCR (Amps RMS Symm.):</b> 10,000 A FULLY-RATED	<b>LOCATION:</b> E2028 <b>ENCLOSURE:</b> NEMA 1 <b>TRIM:</b> SURFACE <b>MODIFICATIONS:</b>
---	---

CIRC. NO.	LOAD DESCRIPTION	NOTES	AMPS	POLES	PHASE A	PHASE B	PHASE C	POLES	AMPS	NOTES	LOAD DESCRIPTION	CIRC. NO.
1	WATER COOLER C2001	4	20	1	1,000 1,600			1	20		RCPT 2007	2
3	RCPT C2002, 2019		20	1		800 1,200		1	20		RCPT 2007	4
5	RCPT T2014		20	1			200 1,600	1	20		RCPT 2007	6
7	HAND DRYER 2021	2	20	1	1,000 1,000			1	20		RCPT 2007	8
9	HAND DRYER 2021	2	20	1		1,000 1,000		1	20		RCPT 2006	10
11	HAND DRYER 2023	2	20	1			1,000 1,600	1	20		RCPT 2008	12
13	HAND DRYER 2023	2	20	1	1,000 1,200			1	20		RCPT 2008	14
15	SPARE		20	1		0 1,600		1	20		RCPT 2010	16
17	SPARE		20	1			0 1,200	1	20		RCPT 2010	18
19	RCPT E2016		20	1	200 1,200			1	20		RCPT 2010	20
21	RCPT 2011B		20	1		1,200 600		1	20		RCPT 2010	22
23	RCPT 2011A		20	1			600 1,600	1	20		RCPT 2012	24
25	RCPT 2009		20	1	1,600 400			1	20		RCPT 2010A, 2010B	26
27	RCPT 2009		20	1		1,200 3,328		2	40	3	KILN	28
29	RCPT 2009		20	1			1,600 3,328	/	/		/	30
31	RCPT 2009		20	1	1,000 0						SPACE	32
33	EF-C201		20	1		506 600		1	20		RCPT 2024, 2026	34
35	KILN EXHAUST RECEPT.		20	1			500 0	1	20		SPACE	36
37	RECEPT 2008		20	1	1,600 0						SPACE	38
39	SPACE					0 0					SPACE	40
41	SPACE						0 0				SPACE	42

CONNECTED LOAD PER PHASE (VA):                      22,400    22,234    21,028

TOTAL CONNECTED LOAD (VA):                      65,662  
 CONNECTED LOAD (AVG. AMPS PER PHASE):                      182  
 TOTAL DEMAND LOAD (VA):                      45,826  
 DEMAND LOAD (AVG. AMPS PER PHASE):                      127

**NOTES:**  
 1. NOTE 1: WITH A 200 AMP SUBFEED BREAKER "2BL4"  
 2. NOTE 2: 2#10, 1#10G, 1/2"C  
 3. NOTE 3: 3#8, 1#10G, 3/4"C  
 4. NOTE 4 GFI BREAKER

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 AT FISK-HOWARD SCHOOL  
 RECOVERY SCHOOL DISTRICT  
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# ATTACHMENT 99

PANEL ID:	<b>3AL3</b>	LOCATION:	E3016
CONFIGURATION:	208Y/120 V, 3-PHASE, 4-WIRE PLUS GROUND	ENCLOSURE:	NEMA 1
MAIN:	100 A, MLO	TRIM:	SURFACE
SCCR (Amps RMS Symm.):	10,000 A FULLY-RATED	MODIFICATIONS:	

CIRC. NO.	LOAD DESCRIPTION	NOTES	AMPS	POLES	PHASE	PHASE	PHASE	POLES	AMPS	NOTES	LOAD DESCRIPTION	CIRC. NO.
					A	B	C					
1	RCPT 3020		20	1	1,600							
					600							
3	RCPT 3020		20	1		1,200		1	20		RCPT C3001	2
						1,000		1	20	2	WATER COOLER C3001	4
5	RCPT 3020		20	1			1,600	1	20		RCPT E3016, T3014	6
							600					
7	RCPT 3020		20	1	1,000			1	20		RCPT 3021, 3023	8
					400							
9	RCPT 3018		20	1		1,600		1	20	1	HAND DRYER 3021	10
						1,500						
11	RCPT 3018		20	1			1,200	1	20	1	HAND DRYER 3021	12
							1,500					
13	RCPT 3018		20	1	1,600			1	20	1	HAND DRYER 3023	14
					1,500							
15	RCPT 3018		20	1		1,000		1	20	1	HAND DRYER 3023	16
						1,500						
17	SPARE		20	1			0	1	20		SPARE	18
							0					
19	SPARE		20	1	0			1	20		SPARE	20
					0							
21	SPARE		20	1		0		1	20		SPARE	22
						0						
23	SPARE		20	1			0	1	20		SPARE	24
							0					
25	SPACE				0						SPACE	26
					0							
27	SPACE					0					SPACE	28
						0						
29	SPACE						0				SPACE	30
							0					

CONNECTED LOAD PER PHASE (VA):	6,700	7,800	4,900
TOTAL CONNECTED LOAD (VA):	19,400		
CONNECTED LOAD (AVG. AMPS PER PHASE):	54		
TOTAL DEMAND LOAD (VA):	18,200		
DEMAND LOAD (AVG. AMPS PER PHASE):	51		

**NOTES:**

1. NOTE 1: 2#10, 1#10G, 1/2" C
2. NOTE 2 GFI BREAKER
3. NOTE 3
4. NOTE 4

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## NEW 3 SECTION ELEMENTARY SCHOOL AT FISK-HOWARD SCHOOL

### RECOVERY SCHOOL DISTRICT



# ATTACHMENT 100

PANEL ID:	<b>AH1</b>	LOCATION:	E1014
CONFIGURATION:	480Y/277 V, 3-PHASE, 4-WIRE PLUS GROUND	ENCLOSURE:	NEMA 1
MAIN:	400 A, MLO	TRIM:	SURFACE
SCCR (Amps RMS Symm.):	14,000 A FULLY-RATED	MODIFICATIONS:	

CIRC. NO.	LOAD DESCRIPTION	NOTES	AMPS	POLES	PHASE	PHASE	PHASE	POLES	AMPS	NOTES	LOAD DESCRIPTION	CIRC. NO.
					A	B	C					
1	AHU-A101 (2) 10 HP	3	30	3	8,400				20		LTS 1015, 1017, 1019, 1021 (UNIT A 1ST FL)	2
					2,505							
3							8,400					
5											LTS 1011, 1013, 1013A (UNIT A 1ST FL)	6
7	SPARE		20	1	0						LTS 1020, M1022, 1024 (UNIT A 1ST FL)	8
9	SPARE		20	1		0					LTS 1016, 1018, 1037B (UNIT A 1ST FL)	10
11	SPARE		20	1							LTS 1007, 1009 (UNIT B 1ST FL)	12
13	SPARE		20	1							LTS 1003, 1005 (UNIT B 1ST FL)	14
15	SPARE		20	1							LTS 1001 (UNIT B 1ST FL)	16
17	SPARE		20	1							LTS C1001, S101 (UNIT B 1ST FL)	18
19	FCU-A101		20	1							LTS 1002, 1004, 1002A (UNIT B 1ST FL)	20
21	FCU-B101		20	1							LTS 1006, 1006A, 1008 (UNIT B 1ST FL)	22
23	FCU-B102, B103		20	1							LTS 1010, 1010A, 1032 (UNIT B 1ST FL)	24
25	FCU-B104, B105		20	1							OUTDOOR LEARNING AREA	26
27	FCU-B106, B107		20	1							ELEVATOR SUMP PUMP	28
29	FCU-B108, B109		20	1							/	30
31	FCU-B110, B111		20	1							/	32
33	SPARE		20	1							SPARE	34
35	SPARE		20	1							SPARE	36
37	SPARE		20	1							SPARE	38
39	SPARE		20	1							SPARE	40
41	SPARE		20	1							SPARE	42
CONNECTED LOAD PER PHASE (VA):					51,372	45,380	46,194					

TOTAL CONNECTED LOAD (VA):	142,946
CONNECTED LOAD (AVG. AMPS PER PHASE):	172
TOTAL DEMAND LOAD (VA):	151,380
DEMAND LOAD (AVG. AMPS PER PHASE):	182

**NOTES:**

1. NOTE 1: SUBFEED 175 AMP BREAKER T-4 "DBAL1"
2. NOTE 2: 2#10, 1#10G, 1/2"C
3. NOTE 3 3#10, 1#10G, 3/4"C
4. NOTE 4 3#8, 1#10G, 3/4"C

11085

TITLE:  
PANELBOARD SCHEDULES

SHEET:  
SK-3/E8.04

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 AT FISK-HOWARD SCHOOL  
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# ATTACHMENT 101

<b>PANEL ID:</b> 2BH1	<b>LOCATION:</b> E2028
<b>CONFIGURATION:</b> 480Y/277 V, 3-PHASE, 4-WIRE PLUS GROUND	<b>ENCLOSURE:</b> NEMA 1
<b>MAIN:</b> 400 A, MLO	<b>TRIM:</b> SURFACE
<b>SCCR (Amps RMS Symm.):</b> 14,000 A FULLY-RATED	<b>MODIFICATIONS:</b>

CIRC. NO.	LOAD DESCRIPTION	NOTES	AMPS	POLES	PHASE A	PHASE B	PHASE C	POLES	AMPS	NOTES	LOAD DESCRIPTION	CIRC. NO.
1	LTS 2015, 2017 (UNIT A 2ND FL)		20	1	3,450 2,535			1	20		FCU-A201, A202	2
3	LTS 2013, 2011C-H (UNIT A 2ND FL)		20	1		3,065 2,535		1	20		FCU-A203, A204	4
5	LTS C2001, MECH (UNIT A 2ND FL)		20	1			1,675 2,535	1	20		FCU-A205, A206	6
7	LTS 2020, 2022 (UNIT A 2ND FL)		20	1	3,450 0			1	20		SPARE	8
9	LTS 2018, E2016 (UNIT A 2ND FL)		20	1		2,930 0		1	20		SPARE	10
11	LTS 2019, 2011A, 2011B (UNIT B 2ND FL)		20	1			2,415 0	1	20		SPARE	12
13	LTS 2005, 2007 (UNIT B 2ND FL)		20	1	3,450 2,234			1	20		FCU-B201, B202	14
15	LTS 2001, 2003 (UNIT B 2ND FL)		20	1		3,450 3,128		1	20		FCU-B203, B204	16
17	LTS C2001, MECH (UNIT B 2ND FL)		20	1			1,755 2,535	1	20		FCU-B205, B206	18
19	LTS 2002, 2004 (UNIT B 2ND FL)		20	1	3,450 2,535			1	20		FCU-B207, B208	20
21	LTS 2010, 2008A (UNIT B 2ND FL)		20	1		3,335 2,535		1	20		FCU-B209, B210	22
23	LTS 2010A, 2010B, 2012 (UNIT B 2ND FL)		20	1			1,220 0	1	20		SPARE	24
25	SPARE		20	1	0 0			1	20		SPARE	26
27	SPARE		20	1		0 0		1	20		SPARE	28
29	SPARE		20	1			0 0	1	20		SPARE	30
31	SPARE		20	1	0 0						SPACE	32
33	SPARE		20	1		0 0					SPACE	34
35	SPARE		20	1			0 0				SPACE	36
37	SPACE				0 0						SPACE	38
39	SPACE					0 0					SPACE	40
41	SPACE						0 0				SPACE	42

CONNECTED LOAD PER PHASE (VA):                      64,104      59,584      48,935

TOTAL CONNECTED LOAD (VA):	172,623
CONNECTED LOAD (AVG. AMPS PER PHASE):	208
TOTAL DEMAND LOAD (VA):	145,409
DEMAND LOAD (AVG. AMPS PER PHASE):	175

**NOTES:**

1. NOTE 1: 3#1/0, 1#6G, 1-1/2"C
2. NOTE 2 3#10, 1#10G, 3/4"C
3. NOTE 3: SUBFEED 175 AMP BREAKER T-2 "2BL1"
4. NOTE 4

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TITLE:  
**PANELBOARD SCHEDULES**

SHEET:  
**SK-4/E8.04**

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## NEW 3 SECTION ELEMENTARY SCHOOL AT FISK-HOWARD SCHOOL

### RECOVERY SCHOOL DISTRICT

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