

**ANNEX "A"**

**PROJECT: SOLAR PV POWER SYSTEM AT MAIN BUILDING**

**QUERIES/CLARIFICATIONS RAISED DURING THE PRE-BID CONFERENCE:**

	Query/Clarifications	TWG/BAC Reply
1	Can we conduct an ocular inspection on the site before the bid opening?	Yes, From April 19, Friday until Monday, 22 April 2024, from 8:00 a.m. to 5:00 p.m. (inspected already)
2	Regarding the technical specification, there is a statement of compliance column and another that says annex. Is it where we put in the word "comply" and on the next column, annex, is it where we indicate the page on the brochure?	Yes. Please provide appropriate tagging.
	<p>Regarding the structural capacity, do you have additional documents that you can share with us with the retrofitting of the building? Our structural partner was one of the bidders when you conducted the retrofitting. The reason why we are asking is because the budget is a bit tight when we have to include the structural aspect of the project. The change that we noticed from the previous Terms of Reference (TOR) is that the capacity was reduced. But I don't think it was enough to cover the structural analysis part of the project considering our structural partners mentioned that the building is old, and that retrofitting has been conducted. Can the retrofitting documents be shared with us as to what was retrofitted in the building? This will help us assess the structural integrity of the building to the Solar Panels and equipment to be installed at the roof top.</p> <p>Is it identified in those plans as to what was retrofitted in the building?</p>	<p>The available results of the previous retrofitting to comply with the latest Building Code's zoning requirement will be made available upon request for the viewing/evaluation/analysis at Engineering and Facilities Management Department (EFMD)</p> <p>The subject for the structural analysis will cover the two roof deck sites, to accommodate the total capacity at 280kWp,</p> <p>1.) on top of 13<sup>th</sup> floor &amp; 2.) on top of the 2<sup>nd</sup> floor.</p> <p>The budget allotted for the structural analysis is sufficient based on the market study.</p> <p>Yes. See attached Annex A and B.</p>
	Regarding the ITB clause, 5.3, Section 3 of the Bidding Documents, we note the requirements for experience in Supply, Delivery, and Installation of at least 200 kW peak solar PV system. Despite not having completed at least 200 kW peak solar PV system, given also that we already completed an accumulation of at least 172.55 kW peak and other power generation project such as Supply and Installation of 2x135 megawatt coal-fired power plant, do we still need to meet the	Yes.

qualification for us to participate in the bidding?	
Is the inverter warranty ten (10) years or twelve (12) years?	The warranty for the micro-inverter is ten (10) years by product manufacturer.
Is there a PCAB level requirement for this construction?	No.
Will you be requiring the bidders for any ISO certification?	No.
Do we need to buy the bidding document to be pre-screened?	No.
Is net metering or Distributed Energy Resources (DER) required for this project?	No. But the system feature must be readily available for the future application.

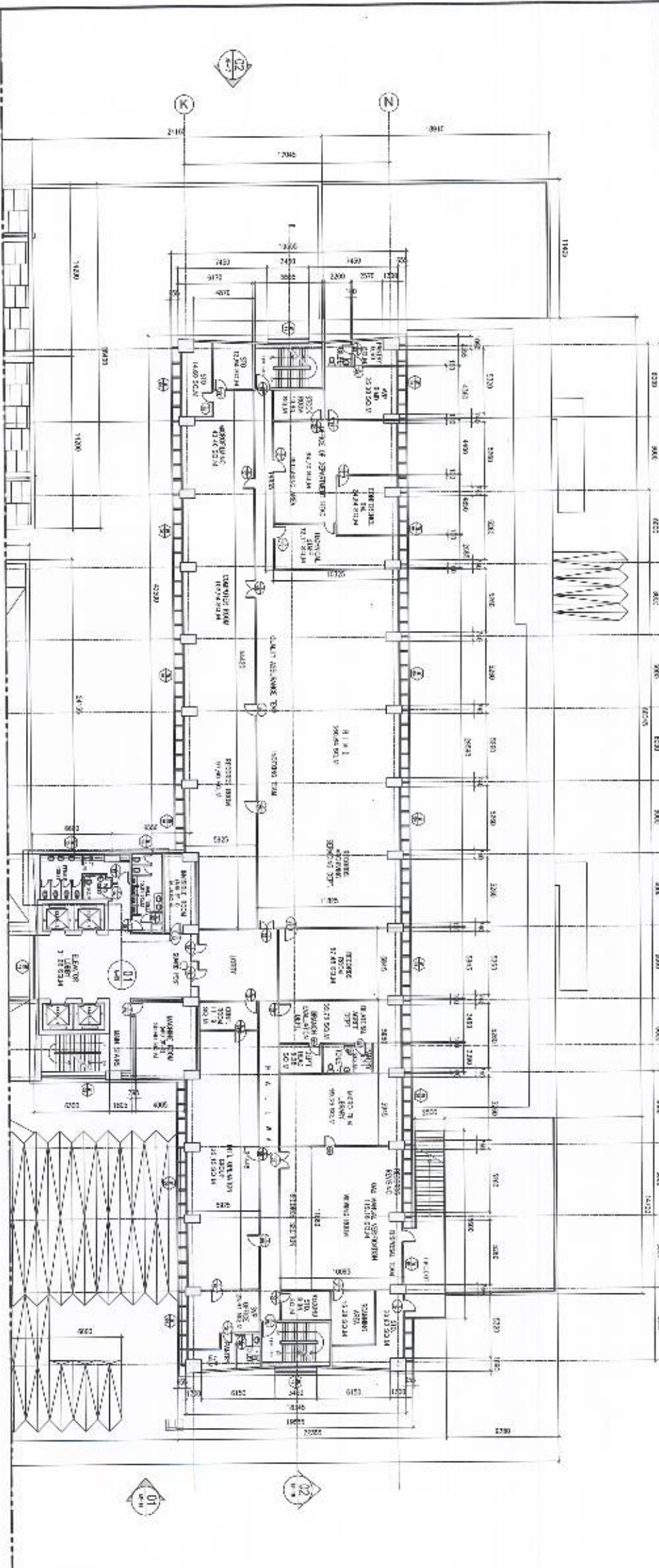
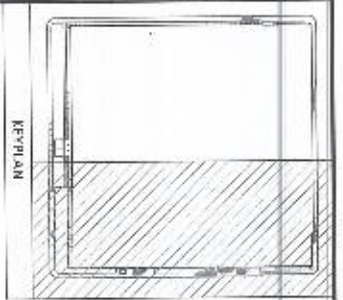
**WRITTEN QUERIES:**

	<b>Query/Clarifications</b>	<b>TWG/BAC Reply</b>
1	What is the system voltage of the main building and what is the existing 3-Phase System of the Main Building? Is it 4-Wires or 3 Wires?	The system voltage of the building is 480V, 3-wires + 1 ground. Please re-verify at site.
2	Can we request additional details about the isolation/potential transformer? Would it be possible for you to provide us with the following specifications:  2.1) Primary and Secondary Voltage Rating  2.2.) Any specialized features or certifications mandated for compliance.	Yes. Transformer must be rated 300kVA (min.), 60Hz, 3-Phase with rated output adaptable to the existing LVSG Tapping point, 480V, 3Phase, 4-Wires @ Power substation no.1.  Primary Voltage must be configure based on the inverter output of Solar PV system and Secondary voltage must be configure based on the existing LVSG configurations.  Philippine National Standards (PNS) or any approved equivalent.  This amends the technical specification under Section VII, Item 1.4, Isolation Transformer, Total Capacity minimum of 250kVA and Form-02, Price schedule/ Bid Breakdown, Phase B Item no. 1, Transformer Assembly, Isolation Transformer, pad mounted, Total Capacity minimum of 250kVA.
3	We kindly seek clarification on what type of existing waterproofing materials were used on the roof deck?	Poly urethane membrane for the Entire roof deck of Main Building and Atactic Polypropylene (APP) Torch applied water proofing membrane to the partial area on top of 2 <sup>nd</sup> floor roof deck, north wing.



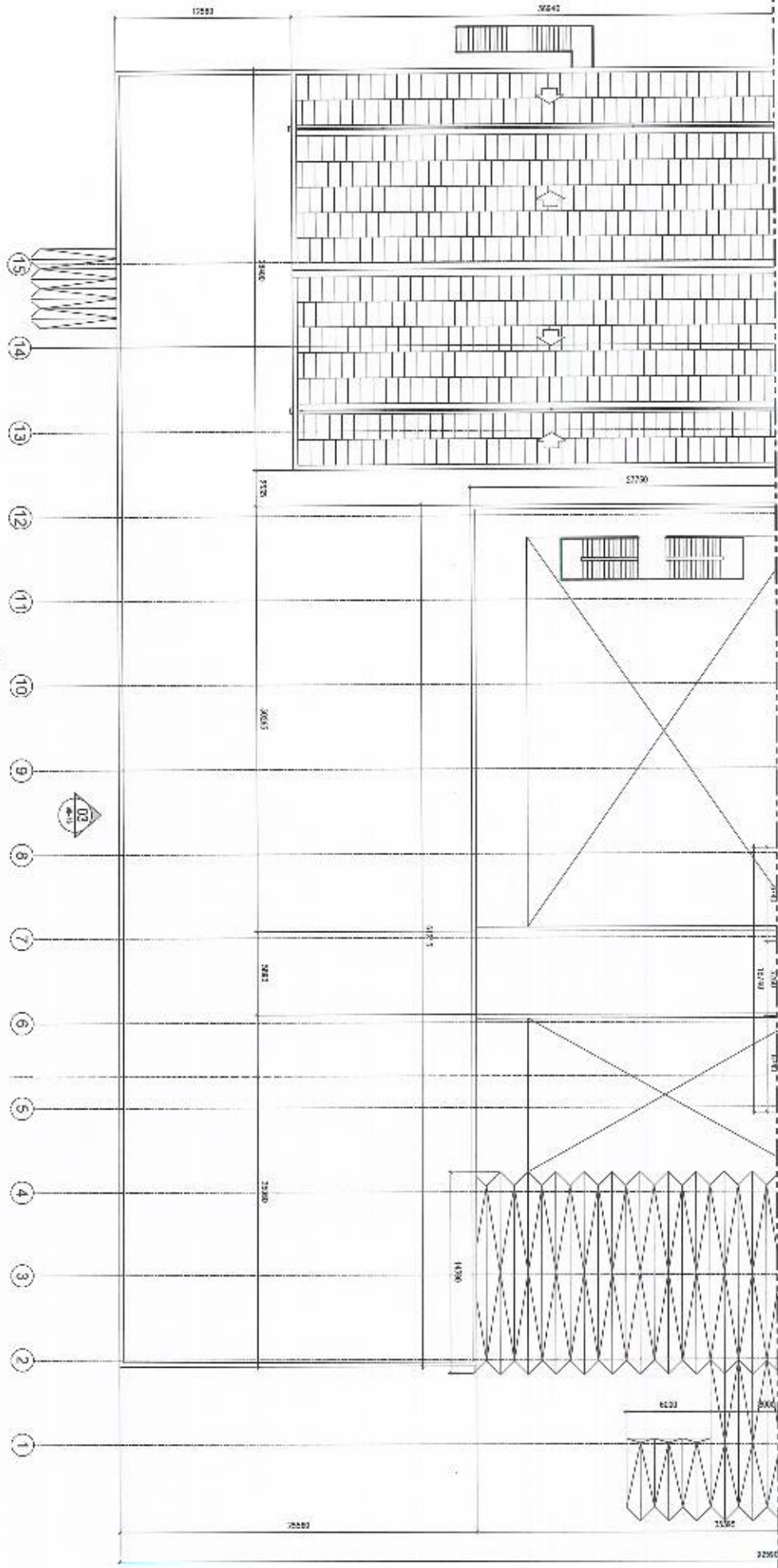
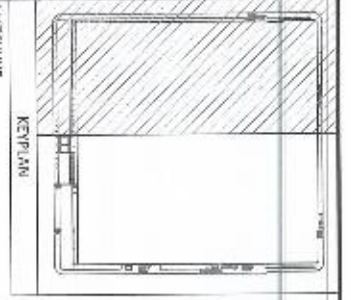
	Additionally, are we allowed to do chipping, coring, and boring work at the preferred site?	Yes. Provided structural stability will not be affected.  Also, the ballast method of securing the solar PV system anchorage is not allowed due to entailed added weight load.
4	Are there any designated areas for the overcurrent protection devices such as panel boards, microinverters, circuit breakers, transformers, and etc.?	Yes.
5	Can we request for the electrical room layout and updated Single Line Diagram located on the 2nd floor of the main building?	We can provide only a single line diagram of the building.
6	What will be the terms of payment?	One-time payment.
7	May we request for the site inspection where the solar panel will be installed?	Yes.
8	Can we conduct some assessment in the project surroundings and the stability of the location of the solar PV installation?	Yes. It is required to clarify issues that may be raised on site.

3rd Floor  
Plan



THIRD FLOOR PLAN  
SCALE 1:750

	<b>AS-BUILT PLAN OF THE SSS MAIN BUILDING</b> OF THE 833 NARI BUILDING, East Avenue, Fuzhou, China		<b>AS - BUILT PLAN</b> OF THE 833 NARI BUILDING, East Avenue, Fuzhou, China	<b>SOCIAL SECURITY SYSTEM</b> OF THE 833 NARI BUILDING, East Avenue, Fuzhou, China	1:750 DATE: 2018.08.08 GROUP:	<b>AS-BUILT PLAN</b> OF THE 833 NARI BUILDING, East Avenue, Fuzhou, China	07A
	PROJECT NO:	DRAWING NO:					



1 THIRD FLOOR PLAN  
1:150



AS-BUILT PLAN OF THE SSS MAIN BUILDING

PROJECT NO. 111-2  
DATE: 11/1/2  
DRAWN BY: [Name]

AS-BUILT PLAN OF THE SSS MAIN BUILDING  
11/1/2

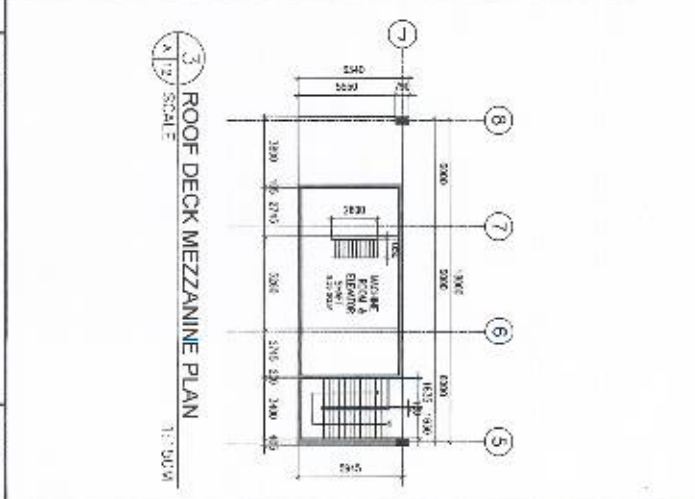
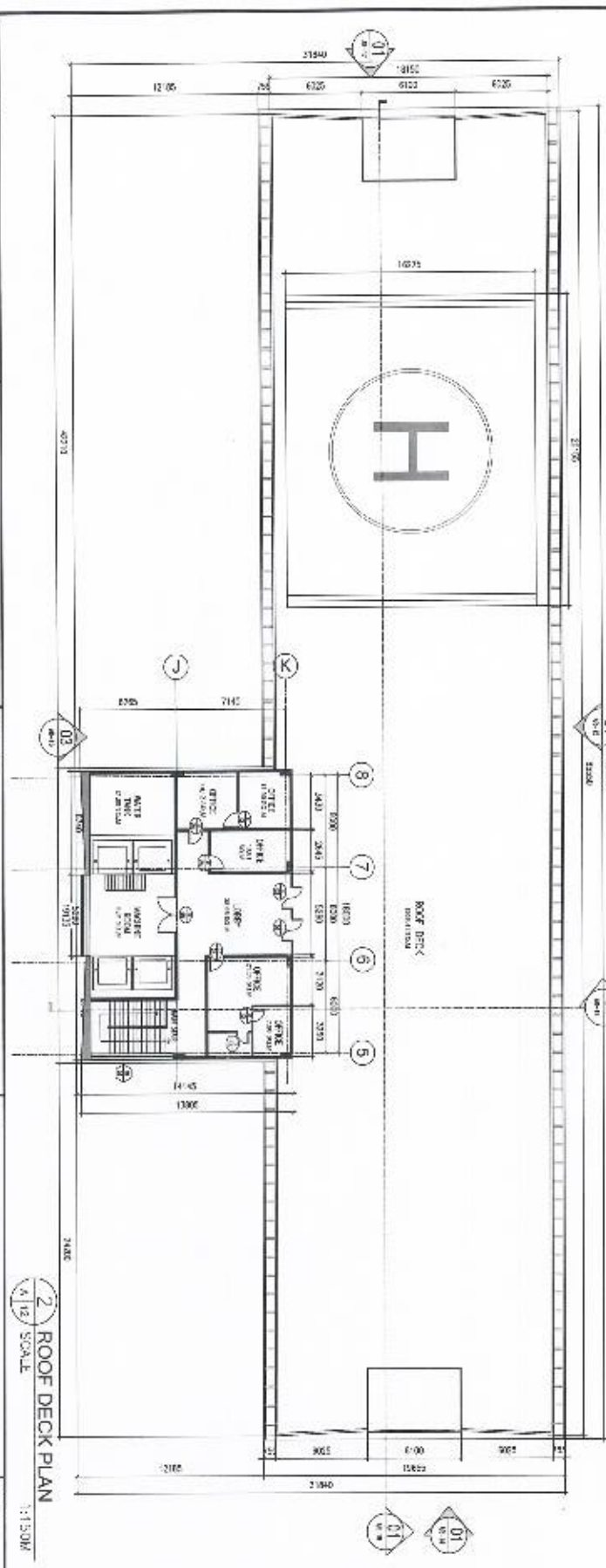
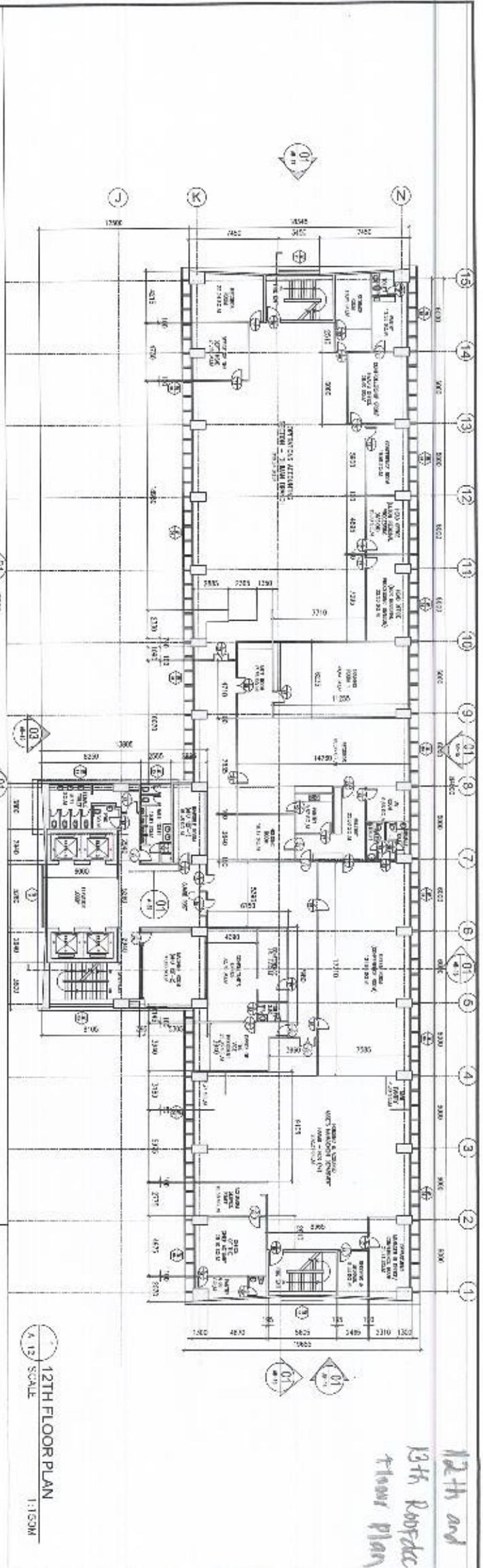
SOCIAL SECURITY SYSTEM  
11/1/2

AS-BUILT PLAN

THIRD FLOOR PLAN  
ARCHITECTURAL

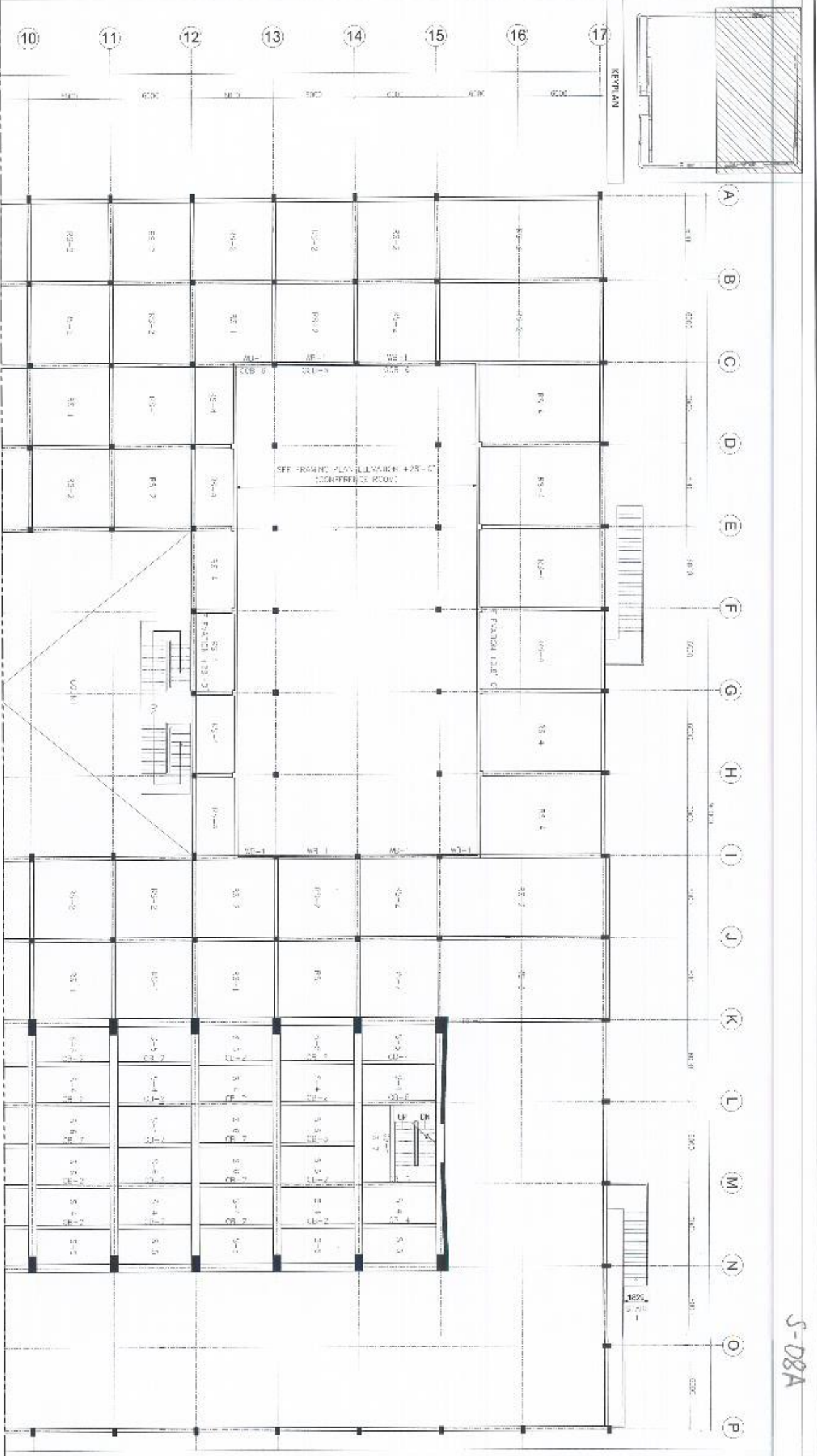
A  
07B







12th and  
13th Roofdeck  
Floor plan

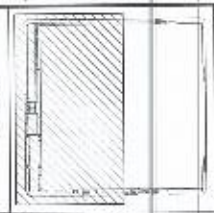
	<b>AS - BUILT PLAN OF THE SSS MAIN BUILDING</b>		<b>SOCIAL SECURITY SYSTEM</b>	400 WORKING 0000'	<b>AS-BUILT PLAN</b>	12
	PROJECT NO.	SHEET NO.				



THIRD FLOOR STRUCTURAL FRAMING PLAN  
1/8" SCALE

 <p>DEPARTMENT OF ARCHITECTURE UNIVERSITY OF THE PHILIPPINES DILIMAN, QUEZON CITY</p>	PROJECT	VICTOR S. RINILLIO 2ND YEAR	DATE	11/2/2014
	 <p>SOCIAL SECURITY SYSTEM BUILDING DIVISION, QUEZON CITY</p>	CLIENT	DATE	11/2/2014
 <p>DEPARTMENT OF ARCHITECTURE UNIVERSITY OF THE PHILIPPINES DILIMAN, QUEZON CITY</p>	DESIGNER	DATE	11/2/2014	
 <p>DEPARTMENT OF ARCHITECTURE UNIVERSITY OF THE PHILIPPINES DILIMAN, QUEZON CITY</p>	DATE	11/2/2014	11/2/2014	
 <p>DEPARTMENT OF ARCHITECTURE UNIVERSITY OF THE PHILIPPINES DILIMAN, QUEZON CITY</p>	DATE	11/2/2014	11/2/2014	





THIRD FLOOR STRUCTURAL FRAMING PLAN

5/089 SCALE

MATCHLINE

**PROJECT NO.**

**PROJECT TITLE:** AS - BUILT PLAN OF THE SSS MAIN BUILDING

**OWNER:** SOCIAL SECURITY SYSTEM

**DATE:**

**SCALE:**

**PROJECT NO.:**

**DATE:**

**SCALE:**

**PROJECT TITLE:** THIRD FLOOR STRUCTURAL FRAMING PLAN

**DATE:**

**SCALE:**

**PROJECT NO.**

**PROJECT TITLE:** AS - BUILT PLAN OF THE SSS MAIN BUILDING

**OWNER:** SOCIAL SECURITY SYSTEM

**DATE:**

**SCALE:**

**PROJECT NO.:**

**DATE:**

**SCALE:**

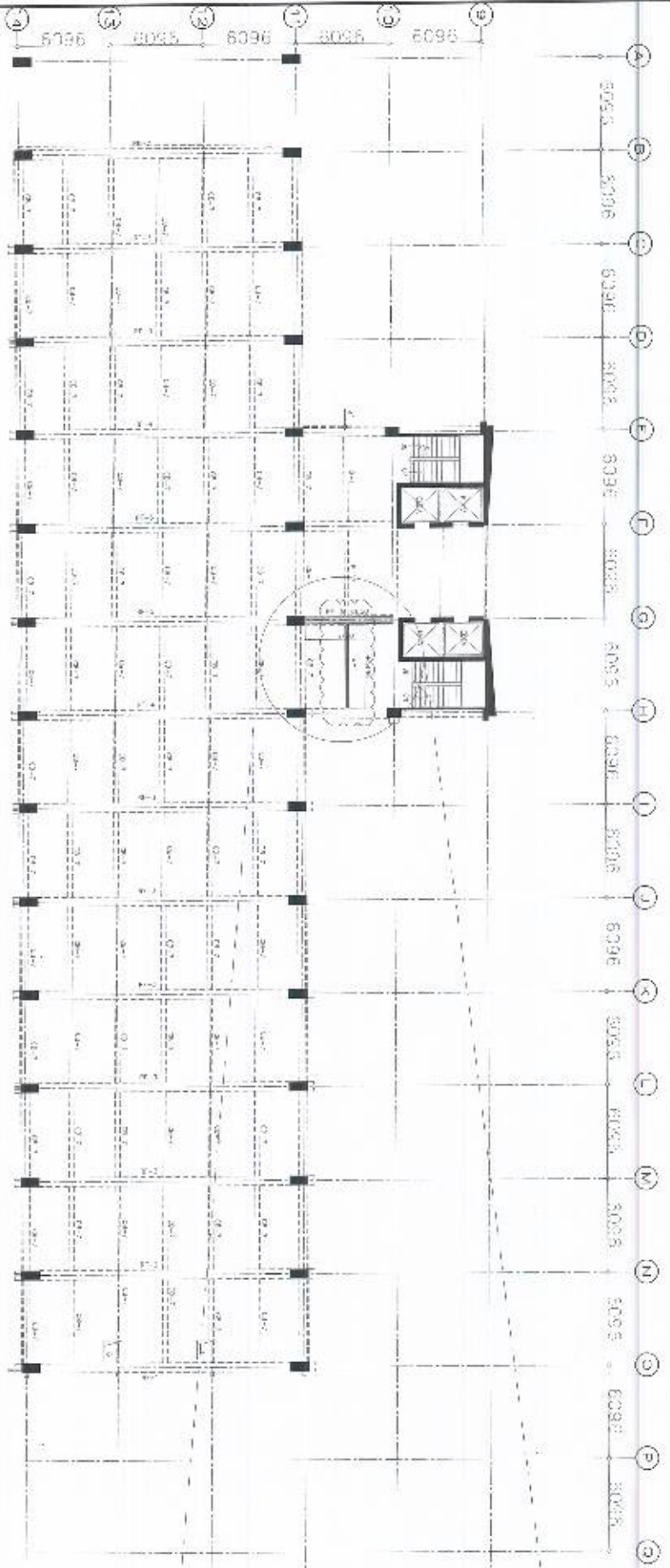
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**DATE:**

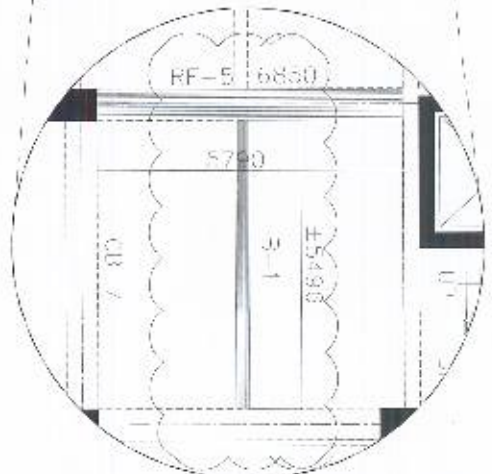
**SCALE:**

S-088

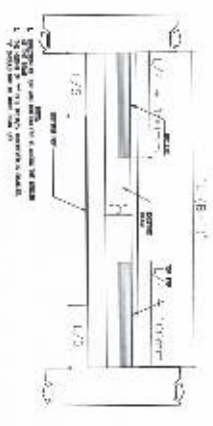




1 4TH FLOOR TO 12TH FLOOR FRAMING PLAN (TYPICAL)  
1/8" = 1'-0"



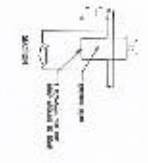
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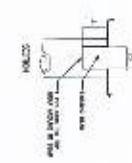
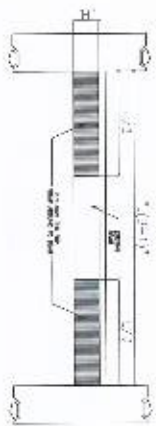
2 PRIMARY FIBERS TYPICAL CFRP ON BEAM DETAIL  
1/8\"/>



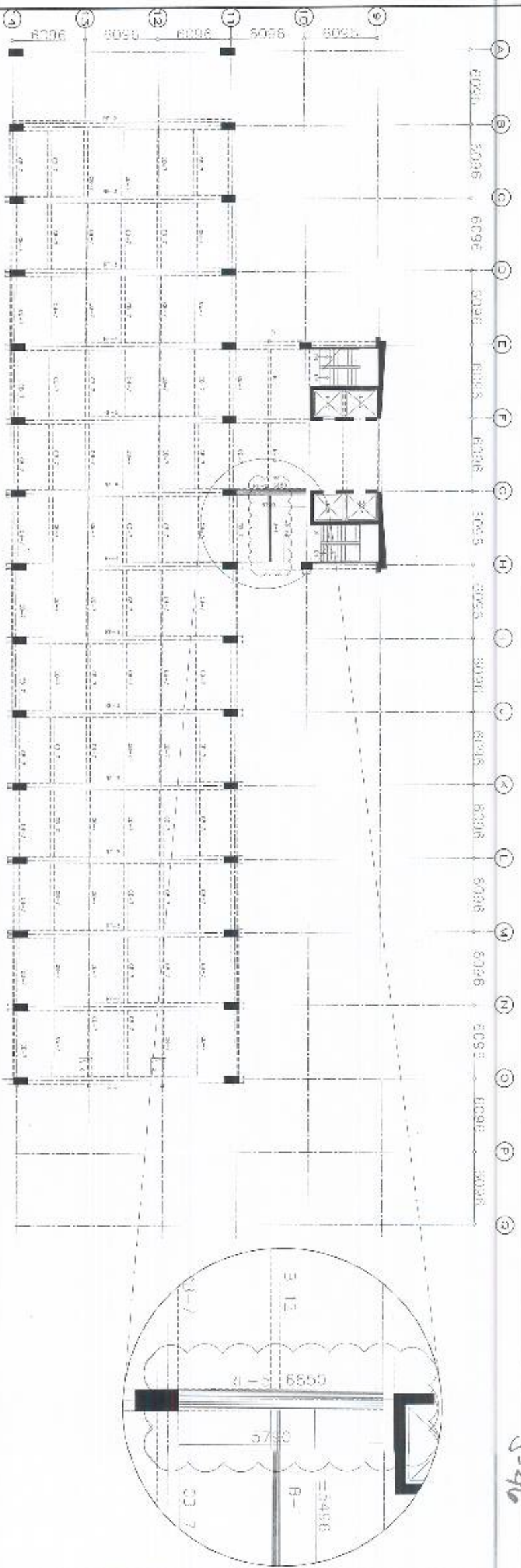
3 BEAM RETROFITTING STRIP DETAIL FOR SHEAR  
1/8\"/>



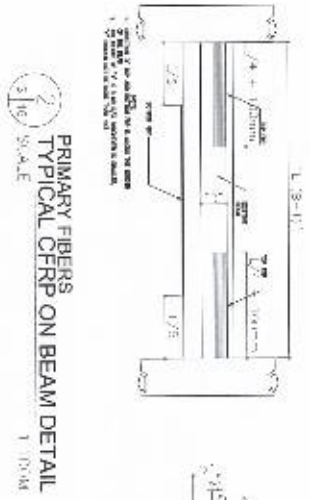
4 TYPICAL BEAM RETROFITTING WHOLE BEAM DETAIL FOR SHEAR  
1/8\"/>



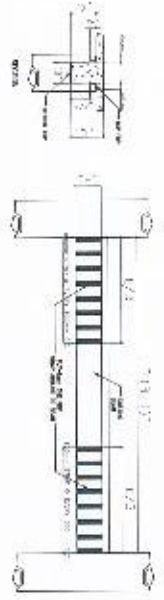
	<b>VICTOR &amp; ROMILLO, INC.</b> 1000 W. 10th St., Suite 1000 Los Angeles, CA 90015		<b>PROJECT NAME</b> <b>AS - BUILT PLAN OF THE SSS MAIN BUILDING</b>			<b>SHEET NUMBER</b> <b>AS BUILT PLAN</b>	
	<b>DATE</b> 1/2018	<b>SCALE</b> AS SHOWN	<b>ISSUED FOR</b> SSS Main Building, 2nd Floor, Office, Floor Plan, Sheet 45	<b>DATE</b> 1/2018		<b>SCALE</b> AS SHOWN	<b>LOCATION</b> 4TH FLOOR TO 12TH FLOOR FRAMING (S-45)



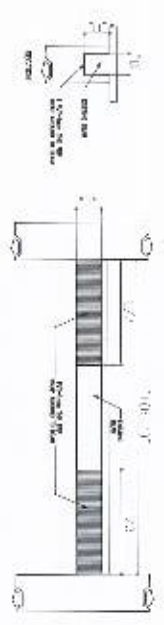
4TH FLOOR TO 12TH FLOOR FRAMING PLAN (TYPICAL)  
1:1200 SCALE



PRIMARY FIBERS TYPICAL CFRP ON BEAM DETAIL  
1:1000 SCALE



BEAM RETROFITTING STRIP DETAIL FOR SHEAR  
1:1000 SCALE

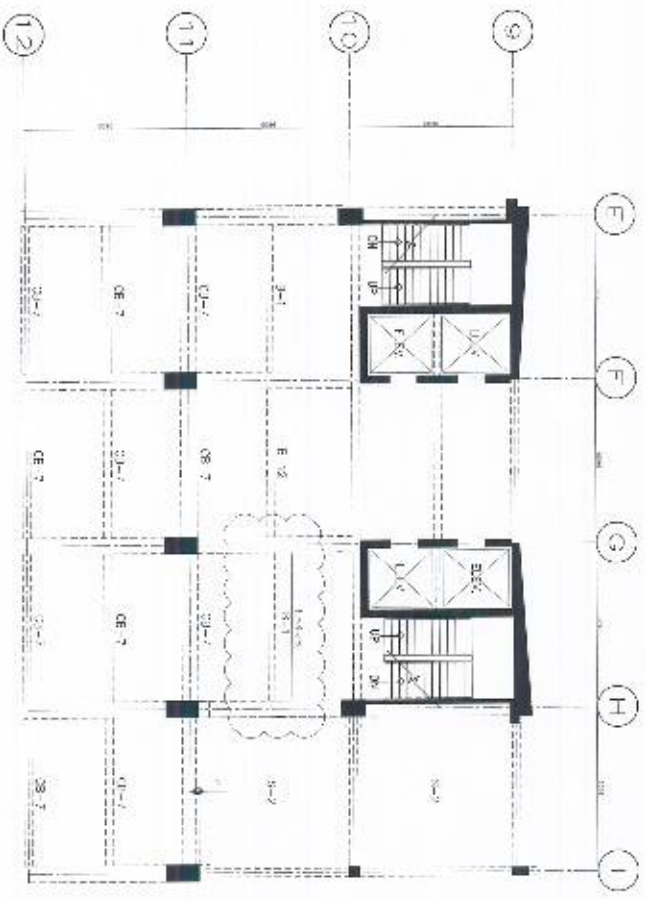


TYPICAL BEAM RETROFITTING WHOLE DETAIL FOR SHEAR  
1:1000 SCALE

	<b>PROJECT NO.</b> 2024-01-01	<b>CLIENT</b> SOCIAL SECURITY SYSTEM	<b>DATE</b> 2024-01-01	<b>APPROVED BY</b> [Signature]	<b>SCALE</b> 1:1200
	<b>DESIGNER</b> [Name]	<b>LOCATION</b> 4TH FLOOR TO 12TH FLOOR FRAMING & R.F.S.	<b>PROJECT NAME</b> AS - BUILT PLAN OF THE SSS MAIN BUILDING	<b>DATE</b> 2024-01-01	<b>SCALE</b> 1:1200
<b>PROJECT NO.</b> 2024-01-01	<b>CLIENT</b> SOCIAL SECURITY SYSTEM	<b>DATE</b> 2024-01-01	<b>APPROVED BY</b> [Signature]	<b>SCALE</b> 1:1200	<b>SCALE</b> 1:1200
<b>DESIGNER</b> [Name]	<b>LOCATION</b> 4TH FLOOR TO 12TH FLOOR FRAMING & R.F.S.	<b>PROJECT NAME</b> AS - BUILT PLAN OF THE SSS MAIN BUILDING	<b>DATE</b> 2024-01-01	<b>SCALE</b> 1:1200	<b>SCALE</b> 1:1200

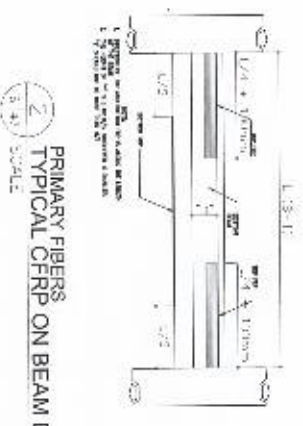
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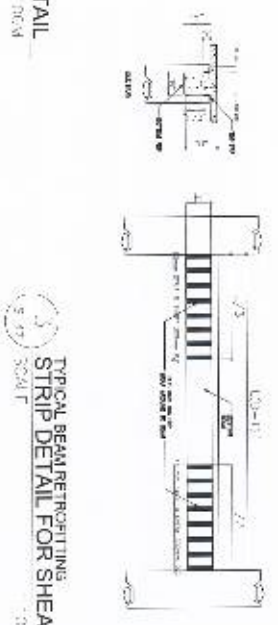


1 ROOF DECK A FLOOR FRAMING PLAN  
SCALE: 1/8" = 1'-0"

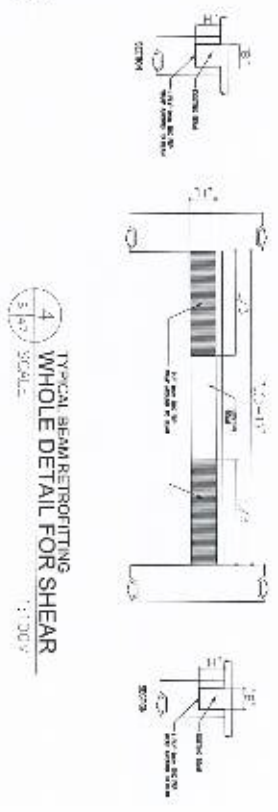
LOCATION	MARK	SECTION	TYPE	QUANTITY	REMARKS	REVISIONS
2ND FLOOR	B-1	301 S33.4	2 PLY CARBON FRP WHOLE	STRIP	1 PLY CARBON FRP WHOLE	
3RD FLOOR	B-1	301 S33.4	2 PLY CARBON FRP WHOLE	STRIP	1 PLY CARBON FRP WHOLE	
4TH FLOOR	B-1	301 S33.4	2 PLY CARBON FRP WHOLE	STRIP	1 PLY CARBON FRP WHOLE	
5TH FLOOR	B-1	301 S33.4	2 PLY CARBON FRP WHOLE	STRIP	1 PLY CARBON FRP WHOLE	
6TH FLOOR	B-1	301 S33.4	2 PLY CARBON FRP WHOLE	STRIP	1 PLY CARBON FRP WHOLE	
7TH FLOOR	B-1	301 S33.4	2 PLY CARBON FRP WHOLE	STRIP	1 PLY CARBON FRP WHOLE	
8TH FLOOR	B-1	301 S33.4	2 PLY CARBON FRP WHOLE	STRIP	1 PLY CARBON FRP WHOLE	
9TH FLOOR	B-1	301 S33.4	2 PLY CARBON FRP WHOLE	STRIP	1 PLY CARBON FRP WHOLE	
10TH FLOOR	B-1	301 S33.4	2 PLY CARBON FRP WHOLE	STRIP	1 PLY CARBON FRP WHOLE	
11TH FLOOR	B-1	301 S33.4	2 PLY CARBON FRP WHOLE	STRIP	1 PLY CARBON FRP WHOLE	
12TH FLOOR	B-1	301 S33.4	2 PLY CARBON FRP WHOLE	STRIP	1 PLY CARBON FRP WHOLE	
ROOF DECK A	B-5	609.8	2 PLY CARBON FRP WHOLE	STRIP	1 PLY CARBON FRP WHOLE	



2 PRIMARY FIBERS TYPICAL CFRP ON BEAM DETAIL  
SCALE: 3/4" = 1'-0"



3 TYPICAL BEAM RETROFITTING STRIP DETAIL FOR SHEAR  
SCALE: 3/4" = 1'-0"



4 TYPICAL BEAM RETROFITTING WHOLE DETAIL FOR SHEAR  
SCALE: 3/4" = 1'-0"

**PROVIDER:**  
VICTOR S. ROMILLO  
VALLERONCE  
751 N. 10th St.  
Phoenix, AZ 85003  
PH: 602.425.1111  
WWW.VSR.COM

**PROJECT TITLE:**  
AS - BUILT PLAN OF THE SSS MAIN BUILDING

**DATE:**  
05/20/2024

**DESIGNER:**  
SSS International (a subsidiary of Victor S. Romillo & Associates, Inc.)

**CLIENT:**  
SOCIAL SECURITY SYSTEM  
5951 Avenida Rivera, Phoenix, AZ 85018  
PH: 602.995.1111  
WWW.SSASYS.COM

**REVISIONS:**

NO.	DATE	DESCRIPTION
1	05/20/2024	AS-BUILT PLAN

**DATE:** 05/20/2024

**PROJECT:** ROOF DECK A FRAMING PLAN  
RETROFITTING THE TYPICAL BEAM RETROFITTING DETAIL

**SCALE:** AS SHOWN

S  
47

S-47