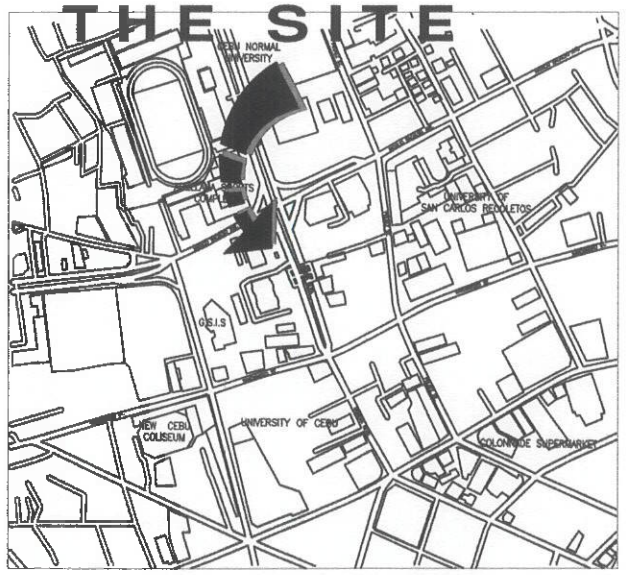
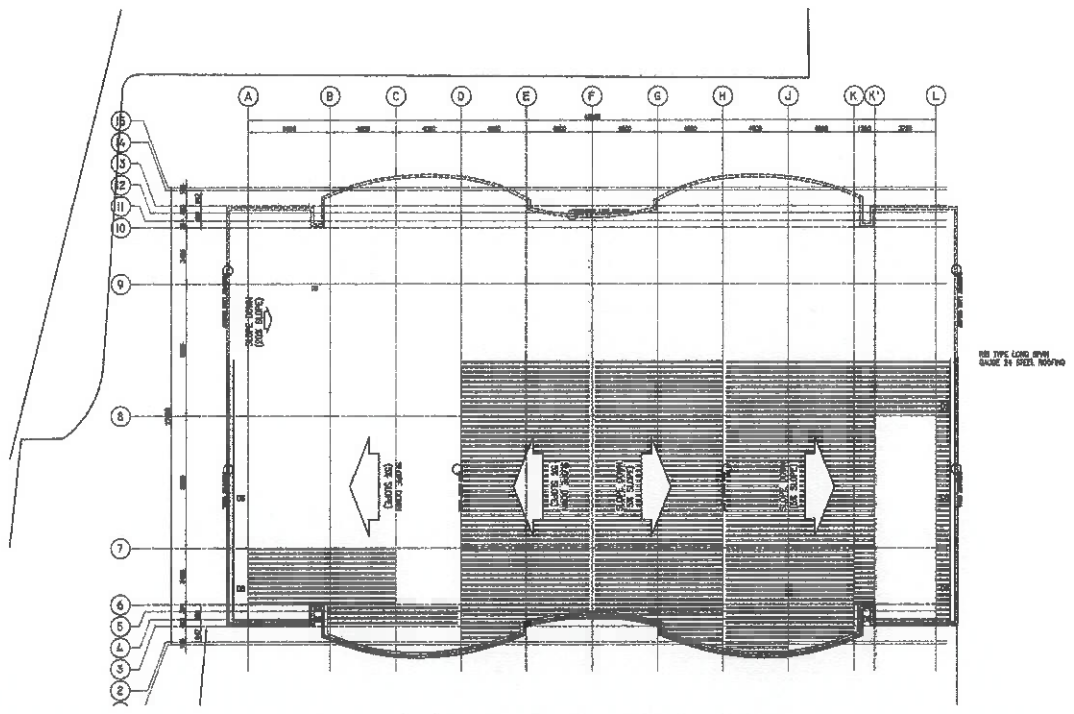
1 CS-001 EXTERIOR PERSPECTIVE
SCALE NTS



2 CS-001 LOCATION PLAN
SCALE NTS



3 CS-001 SITE DEVELOPMENT PLAN
SCALE NTS

INDEX OF DRAWINGS

SHEET NO.	DRAWING TITLE
CS-001	VICINITY MAP, INDEX OF DRAWINGS
	PERSPECTIVE, SITE DEVELOPMENT PLAN
	STRUCTURAL
S-001	GENERAL NOTES, TYPICAL CONCRETE REPAIR DETAILS,
	TYP. BEAM RETROFITTING DETAIL FOR FLEXURE & SHEAR
	TYP. COLUMN RETROFITTING DETAIL
S-002	SUMMARY OF COLUMNS, BEAMS AND GIRDERS RETROFITTING
S-003	GROUND FLOOR FRAMING PLAN SHOWING COLUMNS FOR RETROFITTING,
	EC1 DETAIL, TYP. COLUMN RETROFITTING SECTION DETAIL
S-004	SECOND FLOOR FRAMING PLAN SHOWING BEAMS FOR FLEXURE ENHANCEMENT
S-005	SECOND FLOOR FRAMING PLAN SHOWING BEAMS FOR SHEAR ENHANCEMENT
S-006	THIRD FLOOR FRAMING PLAN SHOWING BEAMS FOR FLEXURE ENHANCEMENT
S-007	THIRD FLOOR FRAMING PLAN SHOWING BEAMS FOR SHEAR ENHANCEMENT
S-008	DECK FLOOR FRAMING PLAN SHOWING BEAMS FOR FLEXURE ENHANCEMENT
S-009	DECK FLOOR FRAMING PLAN SHOWING BEAMS FOR SHEAR ENHANCEMENT

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PLACE :	MAKATI CITY

OWNER: SOCIAL SECURITY SYSTEM (SSS)
EAST AVENUE, DILIMAN, QUEZON CITY

CLIENT
APPROVED BY:

PROJECT TITLE/LOCATION: PROPOSED STRUCTURAL RETROFITTING OF SSS CEBU BUILDING
BRGY. KALUBIHAN, OSMEÑA BLVD., CEBU CITY

SHEET CONTENTS: EXTERIOR PERSPECTIVE, LOCATION PLAN, SITE DEVELOPMENT PLAN

CADD	DATE	NO.	REVISIONS	CHK	DATE
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DESIGNED	DATE				
JMBP	JUNE 2020				
APPROVED	DATE				
ACO	JUNE 2020	0			

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GENERAL NOTES:

A. GENERAL

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED.
2. ALL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE SPECIFICATIONS.
3. ALL DIMENSIONS SHALL TAKE PRECEDENCE OVER THE SCALE SHOWN ON PLANS, SECTIONS, AND DETAILS.
4. THE CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS AT THE SITE PRIOR TO CONSTRUCTION.
5. THE CONTRACTOR SHALL SUBMIT WORKING / SHOP DRAWINGS FOR ANY PROPOSED CHANGES TO SUIT ACTUAL FIELD CONDITIONS WHICH ARE SUBJECT FOR THE APPROVAL OF THE CONSULTANT.
6. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SAFETY MEASURES AT THE SITE TO PROTECT LIVES, PROPERTIES, EXISTING STRUCTURES AND ENVIRONMENT.
7. NO STRUCTURE SHALL BE CONSTRUCTED UNTIL ALL PREPARATIONS HAS BEEN APPROVED BY THE CONSULTANT.

B. CONCRETE

1. MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS PERIOD: f'c = 28 MPa
2. CONCRETE COVER TO STIRRUPS & TIES = 40MM
3. ALL DEPOSITED CONCRETE SHALL BE COMPACTED USING VIBRATORS.
4. BEFORE CONCRETE IS POURED, CHECK WITH ALL TRADES TO ENSURE PROPER PLACEMENT OF ALL OPENINGS, SLEEVES, CURBS, CONDUITS, ETC. RELATIVE TO THE WORK.
5. WHEN CONCRETE WILL BE EXPOSED TO EXTERNAL SOURCES OF CHLORIDES IN SERVICES, SUCH AS DEICING SALTS, BRACKISH WATER, SEAWATER OR SPRAY FROM THESE SOURCES, CONCRETE MUST BE PROPORTIONED TO SATISFY THE SPECIAL EXPOSURE REQUIREMENTS OF ACI 318-14.
6. ALL CONCRETE SHALL BE KEPT MOIST FOR A MINIMUM OF 7 CONSECUTIVE DAYS IMMEDIATELY AFTER POURING BY THE USE OF WET BURLAP.

C. REINFORCING STEEL:

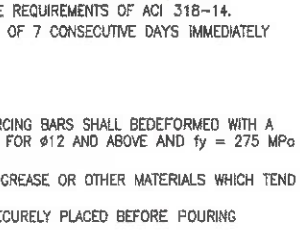
1. UNLESS OTHERWISE SPECIFIED ON PLANS, ALL REINFORCING BARS SHALL BEDEFORMED WITH A MINIMUM YIELD STRENGTH, fy = 414 MPa (60000 PSI) FOR ø12 AND ABOVE AND fy = 275 MPa (40000 PSI) FOR ø10 AND BELOW.
2. ALL REINFORCING BARS SHALL BE CLEANED OF RUST, GREASE OR OTHER MATERIALS WHICH TEND TO IMPAIR BOND.
3. ALL REINFORCING BARS SHALL BE ACCURATELY AND SECURELY PLACED BEFORE POURING CONCRETE OR APPLYING MORTAR OR GROUT.
4. LAPPED SPLICES SHALL BE STAGGERED WHERE POSSIBLE.
5. UNLESS INDICATED OTHERWISE, SPLICING OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH ACI- 318-95.

LAP SPLICES IN TENSION FOR BEAMS, COLUMNS AND WALLS (MM)

BAR DIA. (MM)	fy (Mpa)	fy (ksi)	f'c = 21 MPa (3000 psi)		f'c = 28-35 MPa (4000-5000 psi)	
			TOP	OTHERS	TOP	OTHERS
10	275	40	300	300	300	300
12	275	40	300	300	300	300
12	414	60	525	400	450	350
16	414	60	775	600	675	525
20	414	60	1075	825	925	725
25	414	60	1800	1375	1550	1200
28	414	60	2075	1600	1800	1400
32	414	60	2475	1900	2150	1650
36	414	60	2900	2225	2500	1925

ANCHORAGE LENGTH TABLE

BAR DIAMETER (mm)	ANCHORAGE LENGTH (m)	STANDARD HOOK (m)		
		90°	180°	135°
10	0.50	0.15	0.13	0.10
12	0.50	0.20	0.15	0.12
16	0.60	0.25	0.18	0.14
20	0.60	0.30	0.20	0.20
25	0.68	0.40	0.28	0.26
28	0.86	0.48	0.38	–
32	1.12	0.56	0.43	–
36	1.43	0.61	0.48	–



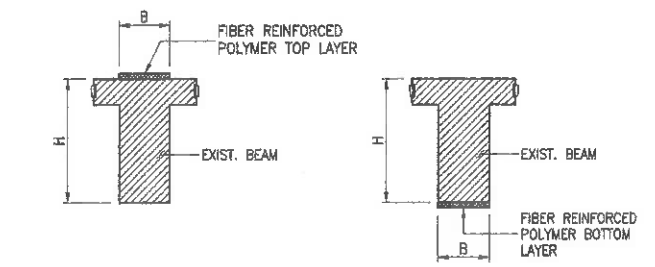
1 S-001 DETAIL SCALE NTS

NOTES:

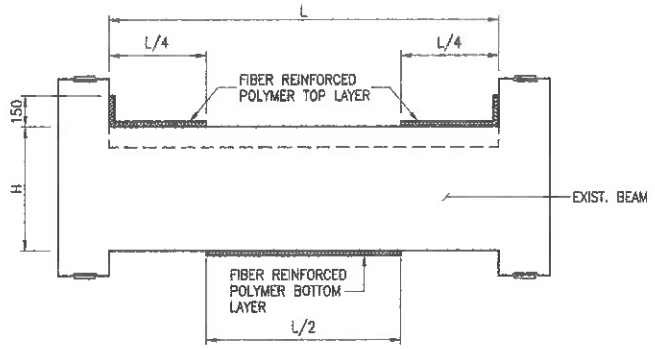
1. ACI SECTION 12.4 STATES THAT DEVELOPMENT LENGTH OF INDIVIDUAL BARS W/ IN A BUNDLE, IN TENSION OR COMPRESSION, SHALL BE THAT FOR THE INDIVIDUAL BAR, INCREASED 20% FOR THREE BAR BUNDLE, AND 33% FOR FOUR BAR BUNDLE.
2. FOR COLUMNS, AT ANY LEVEL NO MORE THAN ALTERNATE BARS SHOULD BE SPLICED. NOT MORE THAN 33% OF THE BARS SHALL BE SPLICED W/ IN THE REQUIRED LAP LENGTH. MIN. DISTANCE BETWEEN TWO ADJACENT BAR SPLICES SHALL BE 600MM. TOP BARS ARE HORIZONTAL BARS W/ MORE THAN 300MM DEPTH OF CONCRETE CAST BELOW THE REINFORCEMENT.
3. TOP BARS ARE HORIZONTAL BARS W/ MORE THAN 300MM DEPTH OF CONCRETE CAST BELOW THE REINFORCEMENT.
4. AS MUCH AS POSSIBLE, SPLICES SUBJECTED TO TENSILE STRESSES ARE DISCOURAGE, THESE SHOULD BE AVOIDED OR PROVIDED W/ STANDARD HOOKS.

D. FRP RETROFITTING

1. USE FIBER REINFORCED POLYMER (FRP) USING CARBON WITH A MINIMUM LAMINATE THICKNESS OF 1.0MM PER LAYER AND MINIMUM TENSILE STRENGTH IN PRIMARY FIBER DIRECTION OF 1000 MPa. CONCRETE REPAIR SHALL BE PERFORMED FOR ALL MEMBERS WITH DEFECTIVE CONCRETE PRIOR TO APPLICATION OF FRP.
2. CONTRACTOR TO SUBMIT CONSTRUCTION METHODOLOGY AND TECHNICAL SPECIFICATIONS FOR APPROVAL PRIOR TO IMPLEMENTATION.
3. CONTRACTOR TO PERFORM MATERIAL TESTING PRIOR TO FINAL ACCEPTANCE OF WORK.
4. THE CONTRACTOR SHALL CAREFULLY EXAMINE, COMPARE AND VERIFY THE DATA FURNISHED BY THE DRAWINGS AND SPECIFICATIONS. ANY QUERIES AS TO THE MEANING OF THE DRAWINGS OR OF THE SPECIFICATIONS OR OF ANY ERRORS/OMISSIONS AFTER ITS DISCOVERY, ANY WORK INVOLVING SUCH DISCREPANCIES SHALL BE DONE AT THE CONTRACTOR'S RISK.
5. CONTRACTOR TO VERIFY ALL DIMENSIONS AND LENGTHS OF MEMBERS.
6. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHWERWISE.
7. THIS DRAWING IS TO BE READ SIMULTANEOUSLY WITH ALL RELEVANT ENGINEER'S AND ARCHITECT'S DRAWINGS AND WITH ALL RELEVANT SPECIFICATIONS.
8. FOR FRP RETROFITTING:
   A. CONCRETE SURFACE PREPARATION AND CLEANLINESS PRIOR TO APPLICATION OF FRP WRAP SHALL BE INACCORDANCE TO MANUFACTURER'S REQUIREMENTS.
   B. BEAMS SHALL BE RETROFITTED USING SIKAWRAP 600C FOR FLEXURE (TOP & BOTTOM) & SIKAWRAP 300C FOR SHEAR. SEE PLANS FOR THE NUMBER OF LAYERS.

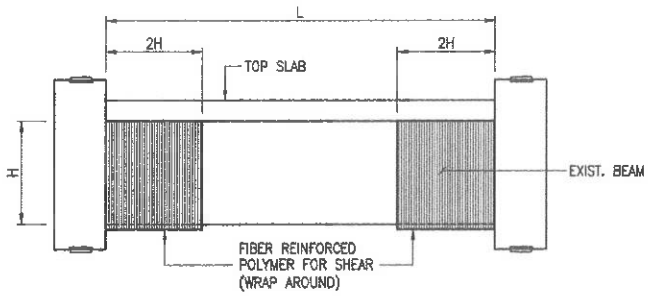


SECTION AT SUPPORT SECTION AT MIDSPAN

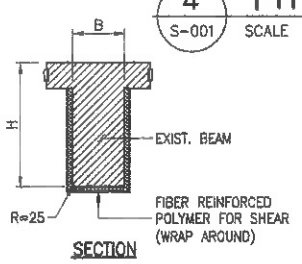


ELEVATION

2 S-001 TYP. BEAM RETROFITTING DETAIL FOR FLEXURE SCALE NTS



ELEVATION



SECTION

3 S-001 TYP. BEAM RETROFITTING DETAIL FOR SHEAR SCALE NTS

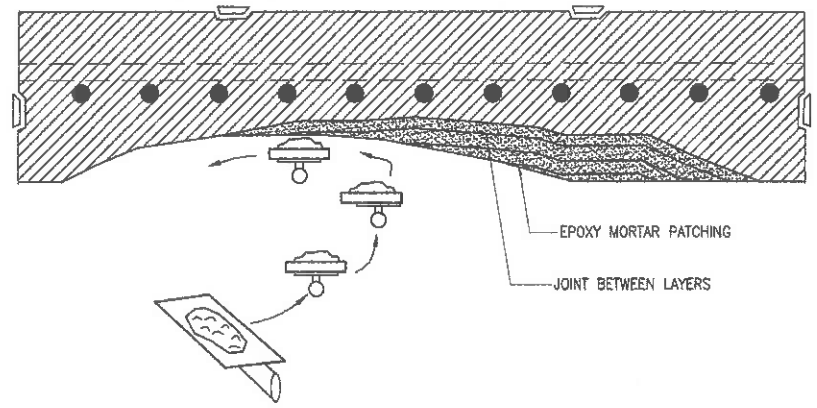
E. CONCRETE REPAIR

METHOD 1: CONCRETE REPAIR BY EPOXY PATCHING

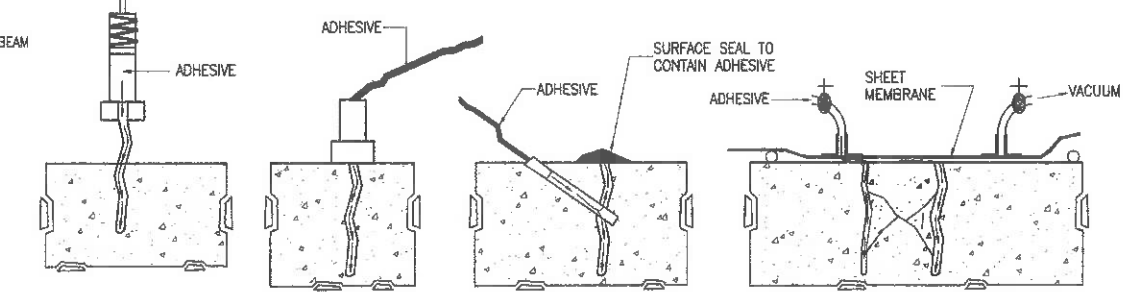
1. IDENTIFY SPALLED AREAS.
2. CHIPPING-REMOVE LOOSE CONCRETE AND CHIP TILL GOOD CONCRETE IS REACHED.
3. PREPARE STRUCTURAL EPOXY 316 PUTTY AND APPLY TO SPALLED AREA. LET EPOXY PUTTY CURE.
4. GRIND PROTRUDING EPOXY PUTTY FLUSH TO CONCRETE SURFACE.

METHOD 2: CONCRETE AND MASONRY REPAIR BY EPOXY INJECTION

1. IDENTIFY CRACKS
2. V-CUT ALONG CRACKS AND DRILL 1/2"ø HOLES TO A DEPTH OF APPROXIMATELY HALF THE STRUCTURES DIMENSION
3. CLEANING - REMOVE LOOSE CONCRETE AND CONCRETE POWDERS.
4. INSTALL1/4"ø COPPER TUBINGS INTO THE DRILLED HOLES.
5. APPLICATION OF STRUCTURAL EPOXY 316 PUTTY ON V-CUTS AND AROUND PERIPHERIES OF COPPER TUBINGS, AND ALLOW PUTTY TO CURE.
6. PRESSURE INJECT STRUCTURAL EPOXY 316 PUTTY THRU THE COPPER TUBES TO FILL CRACKS AND HONEYCOMBS (REPEAT #6 UNTIL ALL CRACKS AND HONEYCOMBS ARE FILLED WITH STRUCTURAL EPOXY 316 AND ALLOW EPOXY TO CURE).
7. GRIND PROTRUDING COPPER TUBES AND PUTTY FLUSH TO CONCRETE SURFACE.
8. APPLY REQUIRED FINISHES (IF NECESSARY).



METHOD 1: CONCRETE REPAIR BY EPOXY PATCHING



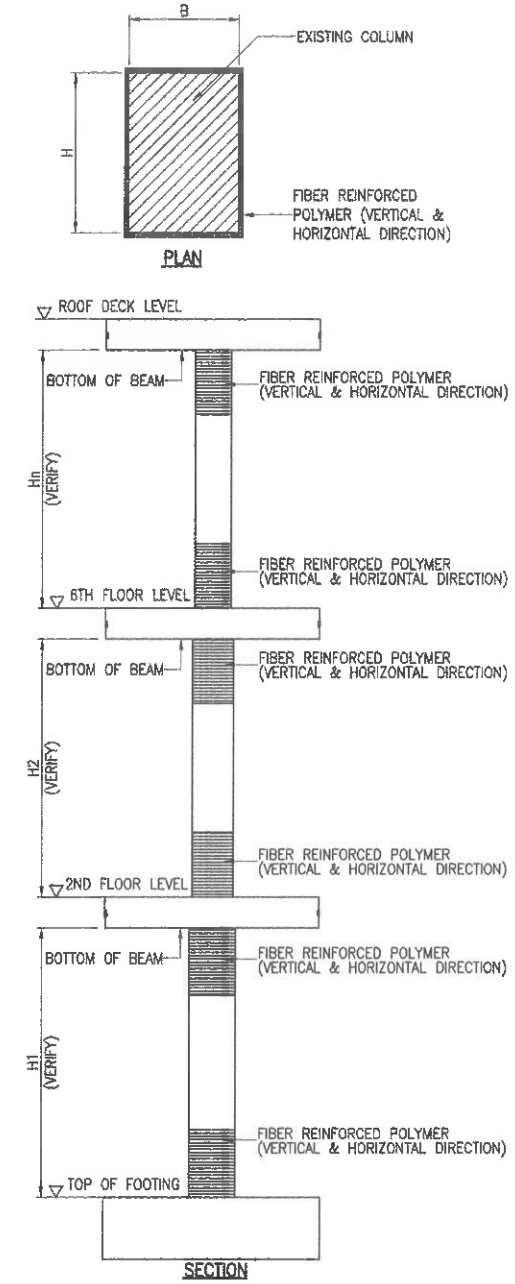
A. MANUAL PISTON TYPE INJECTION
B. SURFACE-MOUNTED PORT INJECTION
C. DRILLED HOLE PACKER INJECTION
D. VACUUM INJECTION

METHOD 2: CONCRETE REPAIR BY EPOXY INJECTION

4 S-001 TYPICAL CONCRETE REPAIR DETAILS SCALE NTS

NOTES:

1. UNLESS NOTED OTHERWISE, REPAIR METHOD(S) TO BE ADOPTED SHALL BE AS FOLLOWS:
   SPALLING OF CONCRETE/POOR WORKMANSHIP/ HAIRLINE CRACKS - METHOD 1
   CRACKING OF CONCRETE/ HONEYCOMB - METHOD 2
2. METHODS TO ADOPTED MAY VARY AS PER ENGINEER'S INSTRUCTION UPON CONFIRMATION OF ACTUAL CONDITION DURING REPAIR.
3. THE CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS SHOWING MAPPING PLAN FOR EACH METHOD USED IN THE REPAIR WORKS.



5 S-001 TYP. COLUMN RETROFITTING DETAIL SCALE NTS

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PLACE : MAKATI CITY

OWNER: SOCIAL SECURITY SYSTEM (SSS)
EAST AVENUE, DILIMAN, QUEZON CITY

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PROJECT TITLE/LOCATION: PROPOSED STRUCTURAL RETROFITTING OF SSS CEBU BUILDING
BRGY. KALUBIHAN, OSMEÑA BLVD., CEBU CITY

SHEET CONTENTS:
GENERAL NOTES
TYP. BEAM RETROFITTING DETAIL FOR FLEXURE AND SHEAR
TYPICAL CONCRETE REPAIR DETAILS
TYP. COLUMN RETROFITTING DETAIL

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SUMMARY OF COLUMNS RETROFITTING

Mark	Location	Grid	Existing Size	Proposed New Dimension	Column Enlargement Details	FRP Retrofitting details
C3	Foundation to Ground	Grid K'-7	450X450	-	-	1 Layer Sika Wrap 300C
		Grid K'-8	450X450	-	-	1 Layer Sika Wrap 300C
	Ground to Second	Grid K'-7	450X450	-	-	1 Layer Sika Wrap 300C
		Grid K'-8	450X450	-	-	1 Layer Sika Wrap 300C
	Second to Third	Grid K'-7	450X450	-	-	1 Layer Sika Wrap 300C
		Grid K'-8	450X450	-	-	1 Layer Sika Wrap 300C
	Third to Roof Deck	Grid K'-7	450X450	-	-	1 Layer Sika Wrap 300C
		Grid K'-8	450X450	-	-	1 Layer Sika Wrap 300C
C4	Foundation to Ground	Grid B-6	450X450	-	-	1 Layer Sika Wrap 300C
		Grid K-6	450X450	-	-	1 Layer Sika Wrap 300C
		Grid B-10	450X450	-	-	1 Layer Sika Wrap 300C
		Grid K-10	450X450	-	-	1 Layer Sika Wrap 300C
	Ground to Second	Grid B-6	450X450	-	-	1 Layer Sika Wrap 300C
		Grid K-6	450X450	-	-	1 Layer Sika Wrap 300C
		Grid B-10	450X450	-	-	1 Layer Sika Wrap 300C
		Grid K-10	450X450	-	-	1 Layer Sika Wrap 300C
	Second to Third	Grid B-6	450X450	-	-	1 Layer Sika Wrap 300C
		Grid K-6	450X450	-	-	1 Layer Sika Wrap 300C
		Grid B-10	450X450	-	-	1 Layer Sika Wrap 300C
		Grid K-10	450X450	-	-	1 Layer Sika Wrap 300C
	Third to Roof Deck	Grid B-6	450X450	-	-	1 Layer Sika Wrap 300C
		Grid K-6	450X450	-	-	1 Layer Sika Wrap 300C
		Grid B-10	450X450	-	-	1 Layer Sika Wrap 300C
		Grid K-10	450X450	-	-	1 Layer Sika Wrap 300C
C5	Foundation to Ground	Grid B-3	As built drawing	See EC1 detail	See EC1 detail	-
		Grid K-3	As built drawing	See EC1 detail	See EC1 detail	-
		Grid B-13	As built drawing	See EC1 detail	See EC1 detail	-
		Grid K-13	As built drawing	See EC1 detail	See EC1 detail	-
	Ground to Second	Grid B-3	As built drawing	See EC1 detail	See EC1 detail	-
		Grid K-3	As built drawing	See EC1 detail	See EC1 detail	-
		Grid B-13	As built drawing	See EC1 detail	See EC1 detail	-
		Grid K-13	As built drawing	See EC1 detail	See EC1 detail	-
	Second to Third	Grid B-3	As built drawing	See EC1 detail	See EC1 detail	-
		Grid K-3	As built drawing	See EC1 detail	See EC1 detail	-
		Grid B-13	As built drawing	See EC1 detail	See EC1 detail	-
		Grid K-13	As built drawing	See EC1 detail	See EC1 detail	-
	Third to Roof Deck	Grid B-3	As built drawing	See EC1 detail	See EC1 detail	-
		Grid K-3	As built drawing	See EC1 detail	See EC1 detail	-
		Grid B-13	As built drawing	See EC1 detail	See EC1 detail	-
		Grid K-13	As built drawing	See EC1 detail	See EC1 detail	-

SUMMARY OF BEAMS AND GIRDERS RETROFITTING

Floor Level	Mark	Section		Flexure		Shear	GRID
		Width	Depth	ENDS	MIDSPAN		
Second Floor	2G7	300	600	1 Layer 300 mm width, Sika Wrap 600C @ Top	-	-	B/W A6-A7
	2G7	300	600	1 Layer 300 mm width, Sika Wrap 600C @ Top	-	-	B/W A9-A10
	2G5	300	600	-	1 Layer 300 mm width, Sika Wrap 600C @ Bottom	1 Layer U-Wrap of Sika Wrap 300C	B/W A9-A10
	2G5	300	600	-	1 Layer 300 mm width, Sika Wrap 600C @ Bottom	1 Layer U-Wrap of Sika Wrap 300C	B/W A10-A13
	2G3A	300	600	1 Layer 300 mm width, Sika Wrap 600C @ Top	-	-	B/W G4-G7
	2G1	300	700	1 Layer 300 mm width, Sika Wrap 600C @ Top	1 Layer 300 mm width, Sika Wrap 600C @ Bottom	1 Layer U-Wrap of Sika Wrap 300C	B/W G9- J9
	2G2	300	700	1 Layer 300 mm width, Sika Wrap 600C @ Top	-	1 Layer U-Wrap of Sika Wrap 300C	B/W J7-K'7
	2G5	300	600	-	1 Layer 300 mm width, Sika Wrap 600C @ Bottom	-	B/W K9-K10
	2G7	300	600	1 Layer 300 mm width, Sika Wrap 600C @ Top	-	-	B/W L9-L10
	2G5	300	600	-	-	1 Layer U-Wrap of Sika Wrap 300C	B/W B3-B6
	2G5	300	600	-	-	1 Layer U-Wrap of Sika Wrap 300C	B/W K3-K6
	2G2	300	700	-	-	1 Layer U-Wrap of Sika Wrap 300C	B/W B7-C7
	2G1	300	700	-	-	1 Layer U-Wrap of Sika Wrap 300C	B/W C7-E7
	2G1	300	700	-	-	1 Layer U-Wrap of Sika Wrap 300C	B/W G7-J7
	2G2	300	700	-	-	1 Layer U-Wrap of Sika Wrap 300C	B/W B9-C9
	2G1	300	700	-	-	1 Layer U-Wrap of Sika Wrap 300C	B/W C9-E9
	2G1	300	700	-	-	1 Layer U-Wrap of Sika Wrap 300C	B/W E9-G9
	2G2	300	700	-	-	1 Layer U-Wrap of Sika Wrap 300C	B/W J9-K9
	2G5	300	600	-	-	1 Layer U-Wrap of Sika Wrap 300C	B/W K10-K13
Third Floor	3G2	300	700	-	1 Layer 300 mm width, Sika Wrap 600C @ Bottom	1 Layer U-Wrap of Sika Wrap 300C	B/W J7-K'7
	3B3	250	400	-	1 Layer 250 mm width, Sika Wrap 600C @ Bottom	-	B/W K9-L9 & K8-L8
	3G7	300	600	-	1 Layer 300 mm width, Sika Wrap 600C @ Bottom	-	B/W L6-L7
	3G7	300	600	-	1 Layer 300 mm width, Sika Wrap 600C @ Bottom	-	B/W L9-L10
	3G5	300	600	-	-	1 Layer U-Wrap of Sika Wrap 300C	B/W B3-B6
	3G5	300	600	-	-	1 Layer U-Wrap of Sika Wrap 300C	B/W B10-B13
	3G2	300	700	-	-	1 Layer U-Wrap of Sika Wrap 300C	B/W B7-C7
	3G2	300	700	-	-	1 Layer U-Wrap of Sika Wrap 300C	B/W B9-C9
Floor	3G1	300	700	-	-	1 Layer U-Wrap of Sika Wrap 300C	B/W C7-E7
	3G1A	300	700	-	-	1 Layer U-Wrap of Sika Wrap 300C	B/W C8-E8
	3G1	300	700	-	-	1 Layer U-Wrap of Sika Wrap 300C	B/W C9-E9
	3G1	300	700	-	-	1 Layer U-Wrap of Sika Wrap 300C	B/W E9-G9
	3G1	300	700	-	-	1 Layer U-Wrap of Sika Wrap 300C	B/W G7-J7
	3G1A	300	700	-	-	1 Layer U-Wrap of Sika Wrap 300C	B/W G8-J8
	3G1	300	700	-	-	1 Layer U-Wrap of Sika Wrap 300C	B/W G9-J9
	3G5	300	600	-	-	1 Layer U-Wrap of Sika Wrap 300C	B/W K3-K6
	3G5	300	600	-	-	1 Layer U-Wrap of Sika Wrap 300C	B/W K10-K13
Roof Deck	DB2	250	400	1 Layer 250 mm width, Sika Wrap 600C @ Top	2 Layer 250 mm width, Sika Wrap 600C @ Bottom	-	B/W A9-B9 & A10-B10
	DG1A	300	700	1 Layer 300 mm width, Sika Wrap 600C @ Top	-	1 Layer U-Wrap of Sika Wrap 300C	B/W C8-E8
	DG1A	300	700	1 Layer 300 mm width, Sika Wrap 600C @ Top	-	1 Layer U-Wrap of Sika Wrap 300C	B/W G8-J8
	DG2	300	700	2 Layer 300 mm width, Sika Wrap 600C @ Top	-	1 Layer U-Wrap of Sika Wrap 300C	B/W J7-K'7
	DG5	300	600	-	-	1 Layer U-Wrap of Sika Wrap 300C	B/W B3-B6
	DG5	300	600	-	-	1 Layer U-Wrap of Sika Wrap 300C	B/W B10-B13
	DG2	300	700	-	-	1 Layer U-Wrap of Sika Wrap 300C	B/W B7-C7
Deck	DG1A	300	700	-	-	1 Layer U-Wrap of Sika Wrap 300C	B/W B8-C8
	DG2	300	700	-	-	1 Layer U-Wrap of Sika Wrap 300C	B/W B9-C9
	DG1	300	700	-	-	1 Layer U-Wrap of Sika Wrap 300C	B/W C7-E7
	DG1	300	700	-	-	1 Layer U-Wrap of Sika Wrap 300C	B/W C9-E9
	DG1	300	700	-	-	1 Layer U-Wrap of Sika Wrap 300C	B/W G7-J7
	DG1	300	700	-	-	1 Layer U-Wrap of Sika Wrap 300C	B/W G9-J9
	DG1A	300	700	-	-	1 Layer U-Wrap of Sika Wrap 300C	B/W J8-K'8
	DG2	300	700	-	-	1 Layer U-Wrap of Sika Wrap 300C	B/W J9-K9
	DG5	300	600	-	-	1 Layer U-Wrap of Sika Wrap 300C	B/W K3-K6
	DG5	300	600	-	-	1 Layer U-Wrap of Sika Wrap 300C	B/W K10-K13

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TIN NO. : 949-936-520-000
PTR NO. : 8122618
DATE : JANUARY 06, 2020
PLACE : MAKATI CITY

OWNER: SOCIAL SECURITY SYSTEM (SSS)
EAST AVENUE, DILIMAN, QUEZON CITY

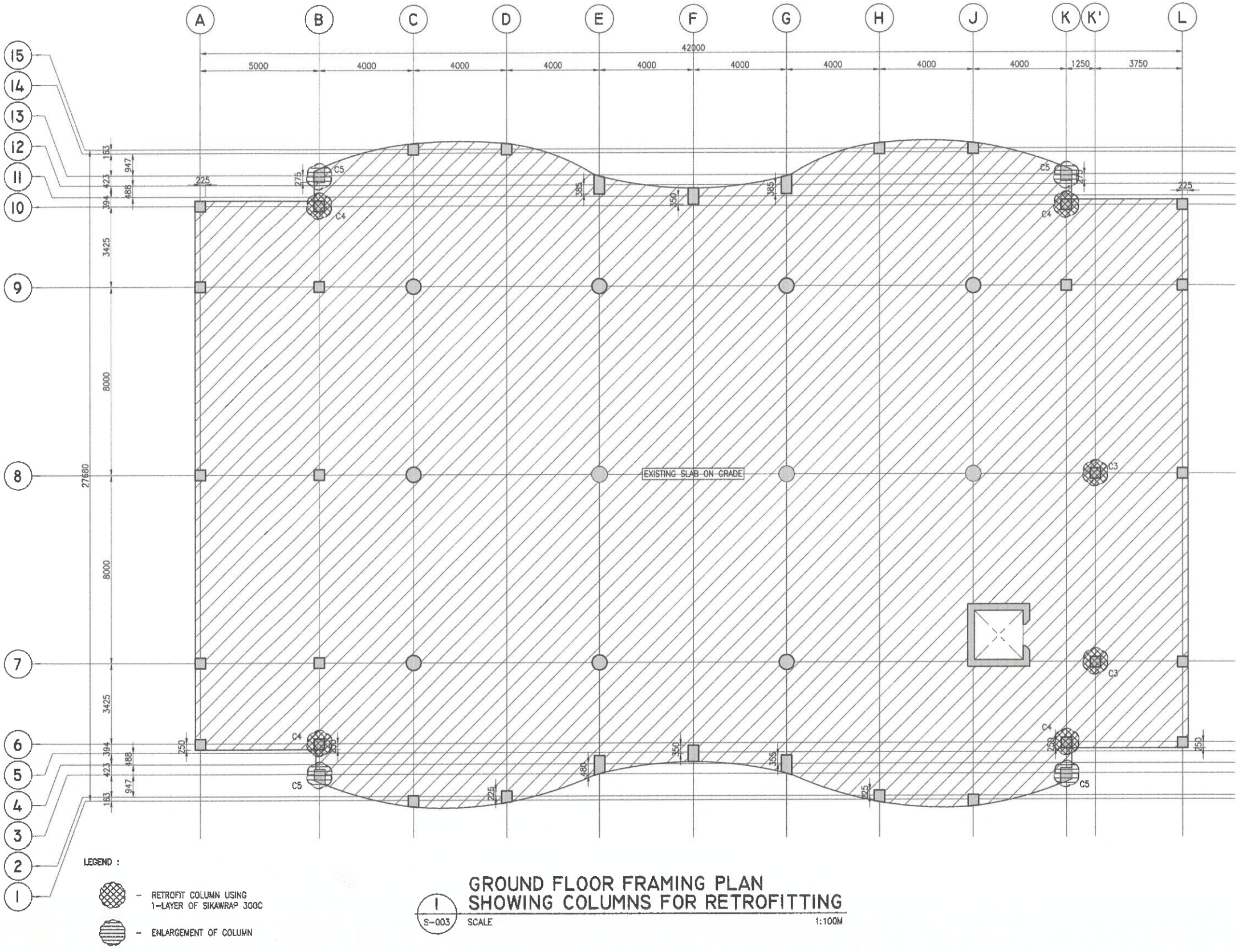
CLIENT
APPROVED BY:

PROJECT TITLE/LOCATION: PROPOSED STRUCTURAL RETROFITTING OF SSS CEBU BUILDING
BRGY. KALUBIHAN, OSMENA BLVD., CEBU CITY

SHEET CONTENTS: SUMMARY OF COLUMN RETROFITTING
SUMMARY OF BEAMS AND GIRDERS RETROFITTING

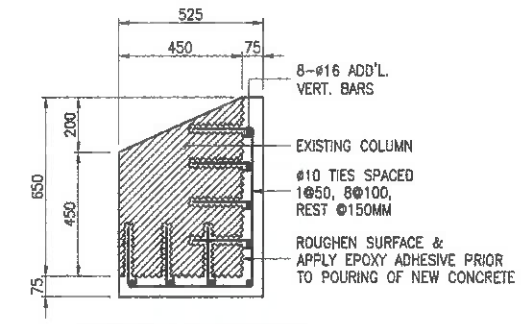
CADD	DATE	NO.	REVISIONS	CHK	DATE
AAP	JUNE 2020				
DESIGNED	DATE				
JMBP	JUNE 2020				
APPROVED	DATE				
ACO	JUNE 2020	0			

PAPER SIZE	SHEET NO.
20X30	S-002
SCALE	PROJECT NO.
AS SHOWN	SO-G-18-018



1 S-003 GROUND FLOOR FRAMING PLAN SHOWING COLUMNS FOR RETROFITTING

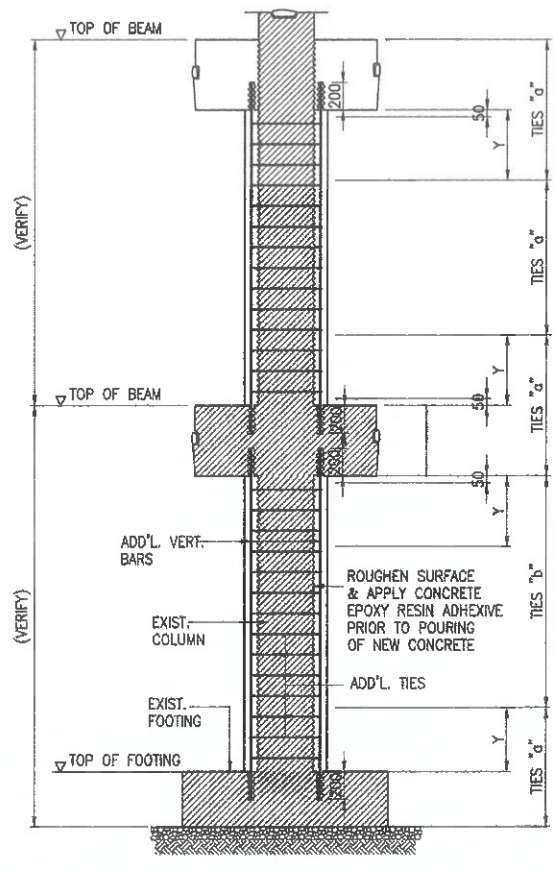
SCALE 1:100M



FOUNDATION TO 2ND FLOOR

2 S-003 ECI DETAILS

SCALE 1:15M



3 S-003 TYP. COLUMN RETROFITTING SECTION DETAIL

SCALE 1:20 M.

RETROFITTING

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PLACE : MAKATI CITY

OWNER: SOCIAL SECURITY SYSTEM (SSS)
EAST AVENUE, DILIMAN, QUEZON CITY

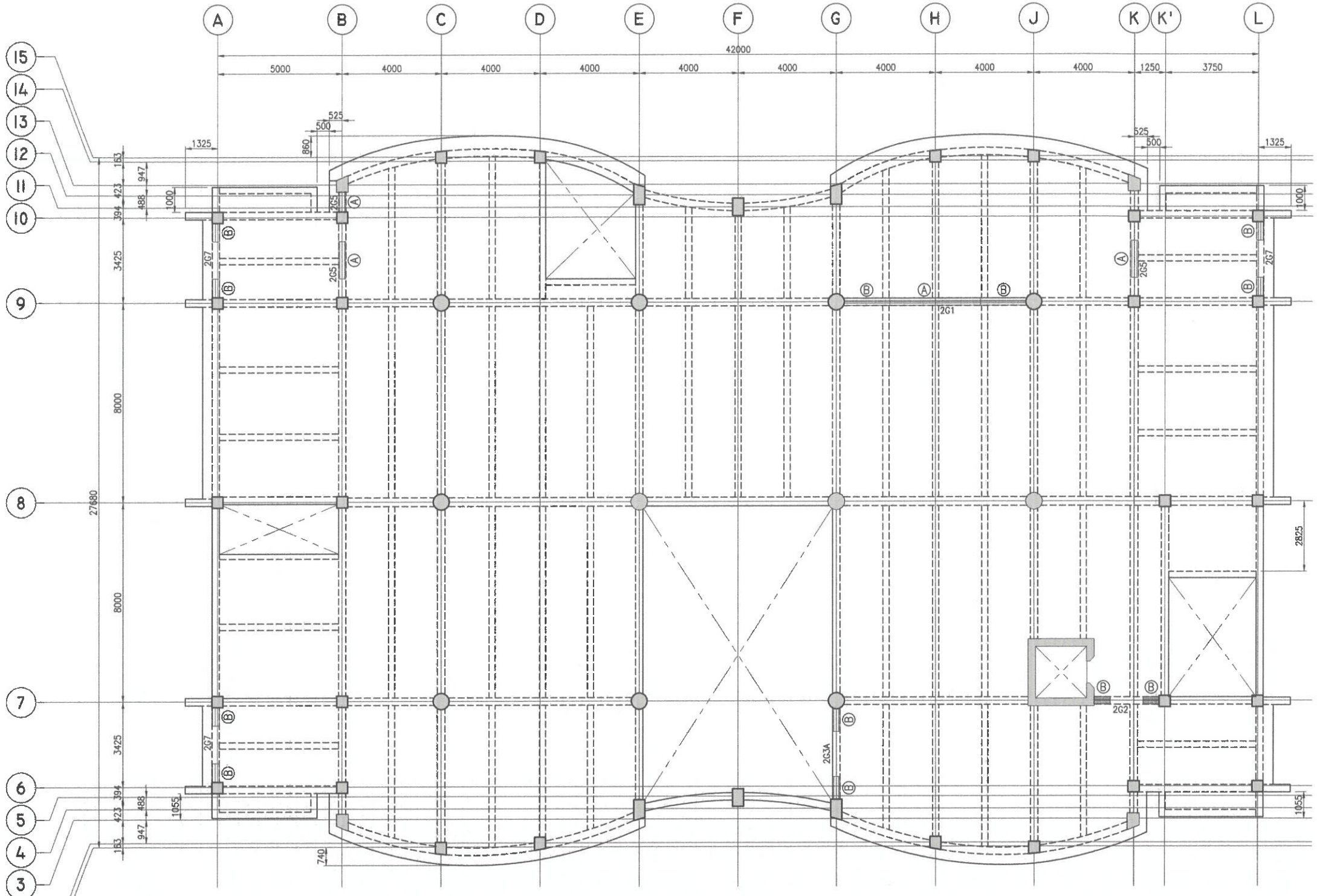
CLIENT
APPROVED BY:

PROJECT TITLE/LOCATION: PROPOSED STRUCTURAL RETROFITTING OF SSS CEBU BUILDING
BRGY. KALUBIHAN, OSMEÑA BLVD., CEBU CITY

SHEET CONTENTS: GROUND FLOOR FRAMING PLAN SHOWING COLUMNS FOR RETROFITTING EC1 DETAILS TYP. COLUMN RETROFITTING SECTION DETAIL

CADD	DATE	NO.	REVISIONS	CHK	DATE
AAP	JUNE 2020				
DESIGNED	DATE				
JMBP	JUNE 2020				
APPROVED	DATE				
ACO	JUNE 2020	0			

PAPER SIZE	SHEET NO.
20X30	S-003
SCALE	PROJECT NO.
AS SHOWN	SO-G-18-018



BEAM SCHEDULE	
2G1	300X700
2G2	300X700
2G3A	300X600
2G5	300X600
2G7	300X600

LEGEND :

Ⓐ – 1 LAYER, 300MM WIDTH, SIKA WRAP 600C @ BOTTOM

Ⓑ – 1 LAYER, 300MM WIDTH, SIKA WRAP 600C @ TOP

SECOND FLOOR FRAMING PLAN SHOWING BEAMS FOR FLEXURE ENHANCEMENT

1 / S-004

SCALE 1:100M

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PTR NO. : 8122818
DATE : JANUARY 06, 2020
PLACE : MAKATI CITY

OWNER: SOCIAL SECURITY SYSTEM (SSS)
EAST AVENUE, DILIMAN, QUEZON CITY

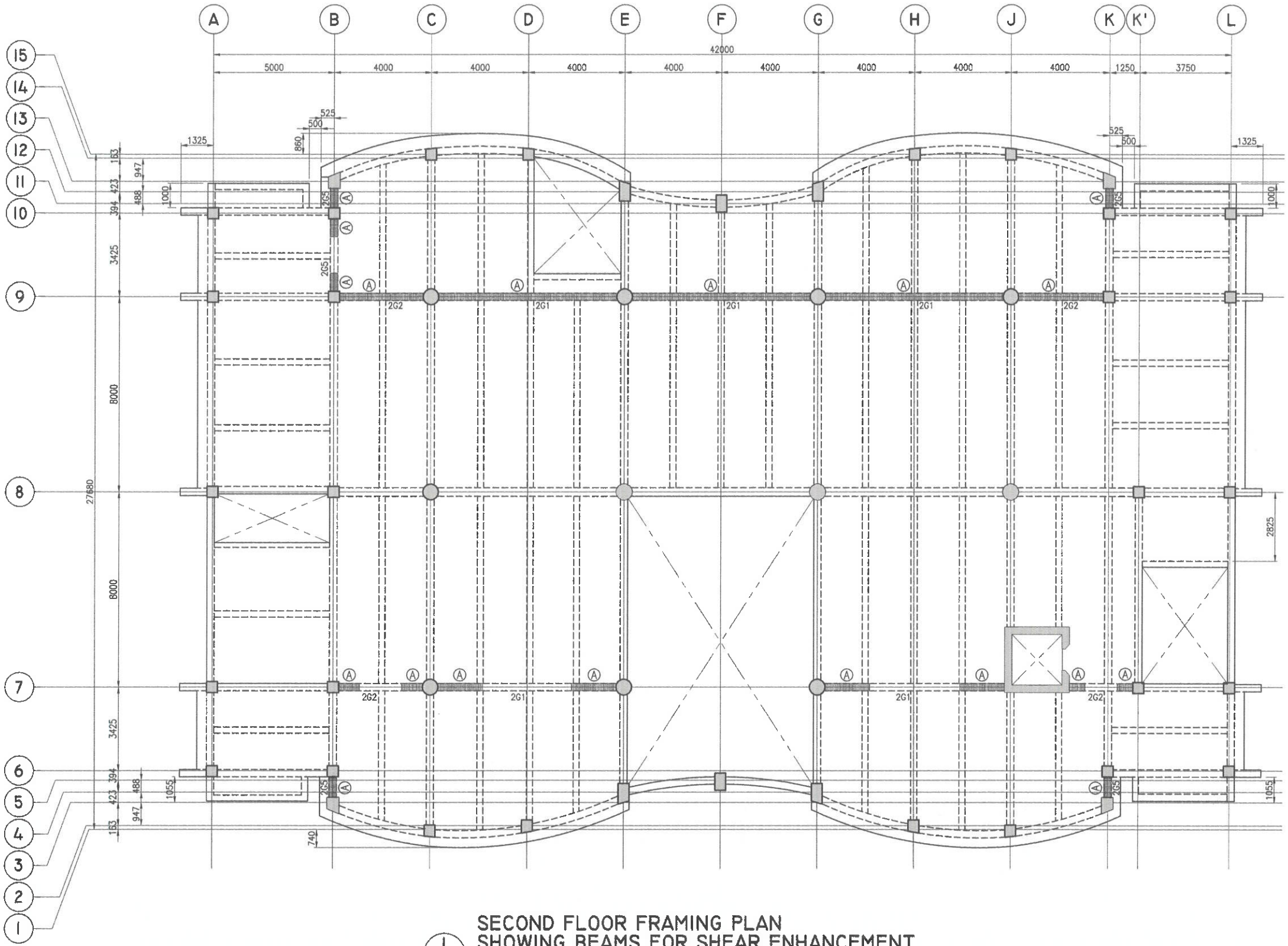
CLIENT
APPROVED BY:

PROJECT TITLE/LOCATION: PROPOSED STRUCTURAL RETROFITTING OF SSS CEBU BUILDING
BRGY. KALUBIHAN, OSMEÑA BLVD., CEBU CITY

SHEET CONTENTS: SECOND FLOOR FRAMING PLAN SHOWING BEAMS FOR FLEXURE ENHANCEMENT

CADD	DATE	NO.	REVISIONS	CHK	DATE
AAP	JUNE 2020				
DESIGNED	DATE				
JMBP	JUNE 2020				
APPROVED	DATE				
ACO	JUNE 2020	0			

PAPER SIZE	SHEET NO.
20X30	S-004
SCALE	PROJECT NO.
AS SHOWN	SO-G-18-018



BEAM SCHEDULE	
2G1	300X700
2G2	300X700
2G5	300X600

SECOND FLOOR FRAMING PLAN SHOWING BEAMS FOR SHEAR ENHANCEMENT

1 / S-005 SCALE 1:100M

LEGEND :

Ⓐ – 1 LAYER, U WRAP OF SIKA WRAP 300C

RETROFITTING

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PLACE : MAKATI CITY

OWNER: SOCIAL SECURITY SYSTEM (SSS)
EAST AVENUE, DILIMAN, QUEZON CITY

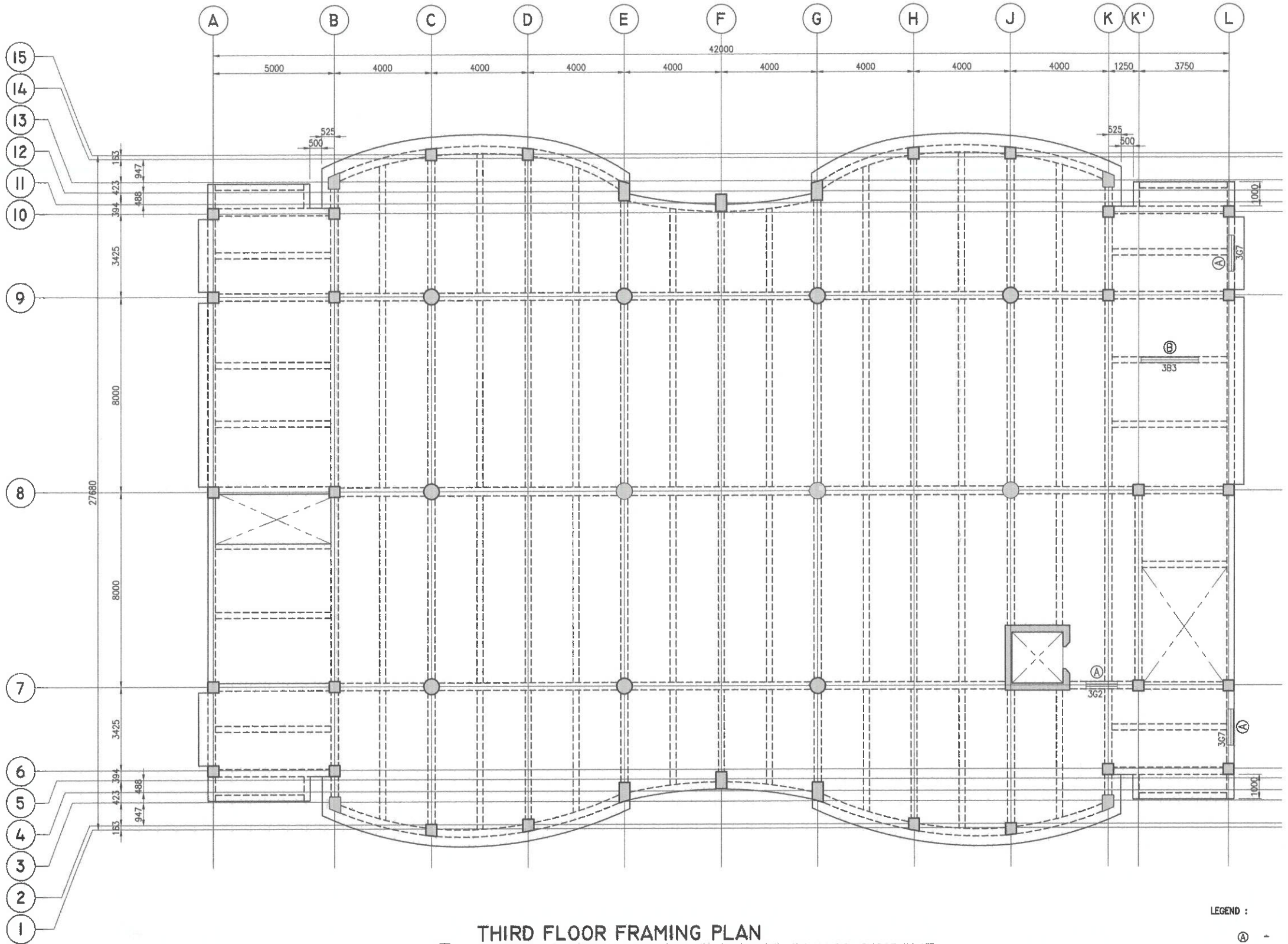
CLIENT
APPROVED BY:

PROJECT TITLE/LOCATION: PROPOSED STRUCTURAL RETROFITTING OF SSS CEBU BUILDING
BRGY. KALUBIHAN, OSMEÑA BLVD., CEBU CITY

SHEET CONTENTS: SECOND FLOOR FRAMING PLAN SHOWING BEAMS FOR SHEAR ENHANCEMENT

			REVISIONS	CHK	DATE
CADD	AAP	JUNE 2020			
DESIGNED		DATE			
JMBP	JUNE 2020				
APPROVED		DATE			
ACO	JUNE 2020	0			

PAPER SIZE	SHEET NO.
20X30	S-005
SCALE	PROJECT NO.
AS SHOWN	SO-G-18-018



BEAM SCHEDULE	
3G2	300X700
3G7	300X600
3B3	250X400

LEGEND :

Ⓐ – 1 LAYER, 300MM WIDTH, SIKA WRAP 600C @ BOTTOM

Ⓑ – 1 LAYER, 250MM WIDTH, SIKA WRAP 600C @ BOTTOM

THIRD FLOOR FRAMING PLAN SHOWING BEAMS FOR FLEXURE ENHANCEMENT

1 / S-006

SCALE 1:100M

RETROFITTING

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PLACE : MAKATI CITY

OWNER: SOCIAL SECURITY SYSTEM (SSS)
EAST AVENUE, DILIMAN, QUEZON CITY

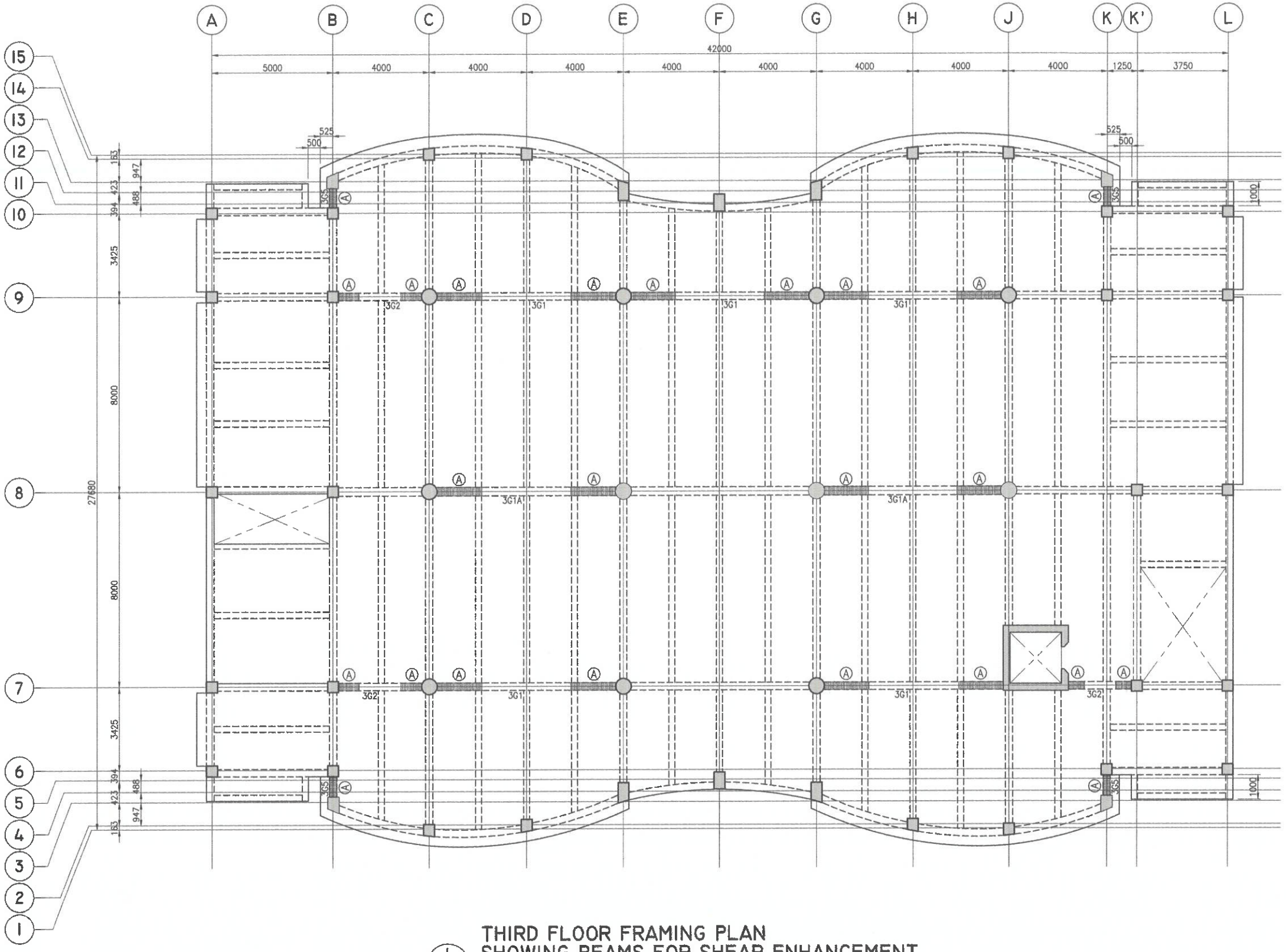
CLIENT
APPROVED BY:

PROJECT TITLE/LOCATION: PROPOSED STRUCTURAL RETROFITTING OF SSS CEBU BUILDING
BRGY. KALUBIHAN, OSMEÑA BLVD., CEBU CITY

SHEET CONTENTS: THIRD FLOOR FRAMING PLAN SHOWING BEAMS FOR FLEXURE ENHANCEMENT

CADD	DATE	NO.	REVISIONS	CHK	DATE
AAP	JUNE 2020				
DESIGNED	DATE				
JMBP	JUNE 2020				
APPROVED	DATE				
ACO	JUNE 2020	0			

PAPER SIZE	SHEET NO.
20X30	S-006
SCALE	PROJECT NO.
AS SHOWN	SO-G-18-018



BEAM SCHEDULE	
3G1	300X700
3G1A	300X700
3G2	300X700
3G5	300X600

THIRD FLOOR FRAMING PLAN
SHOWING BEAMS FOR SHEAR ENHANCEMENT

1 / S-007 SCALE 1:100M

LEGEND :

Ⓐ – 1 LAYER, U WRAP OF SIKA WRAP 300C

RETROFITTING

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DATE : JANUARY 06, 2020
PLACE : MAKATI CITY

OWNER: SOCIAL SECURITY SYSTEM (SSS)
EAST AVENUE, DILIMAN, QUEZON CITY

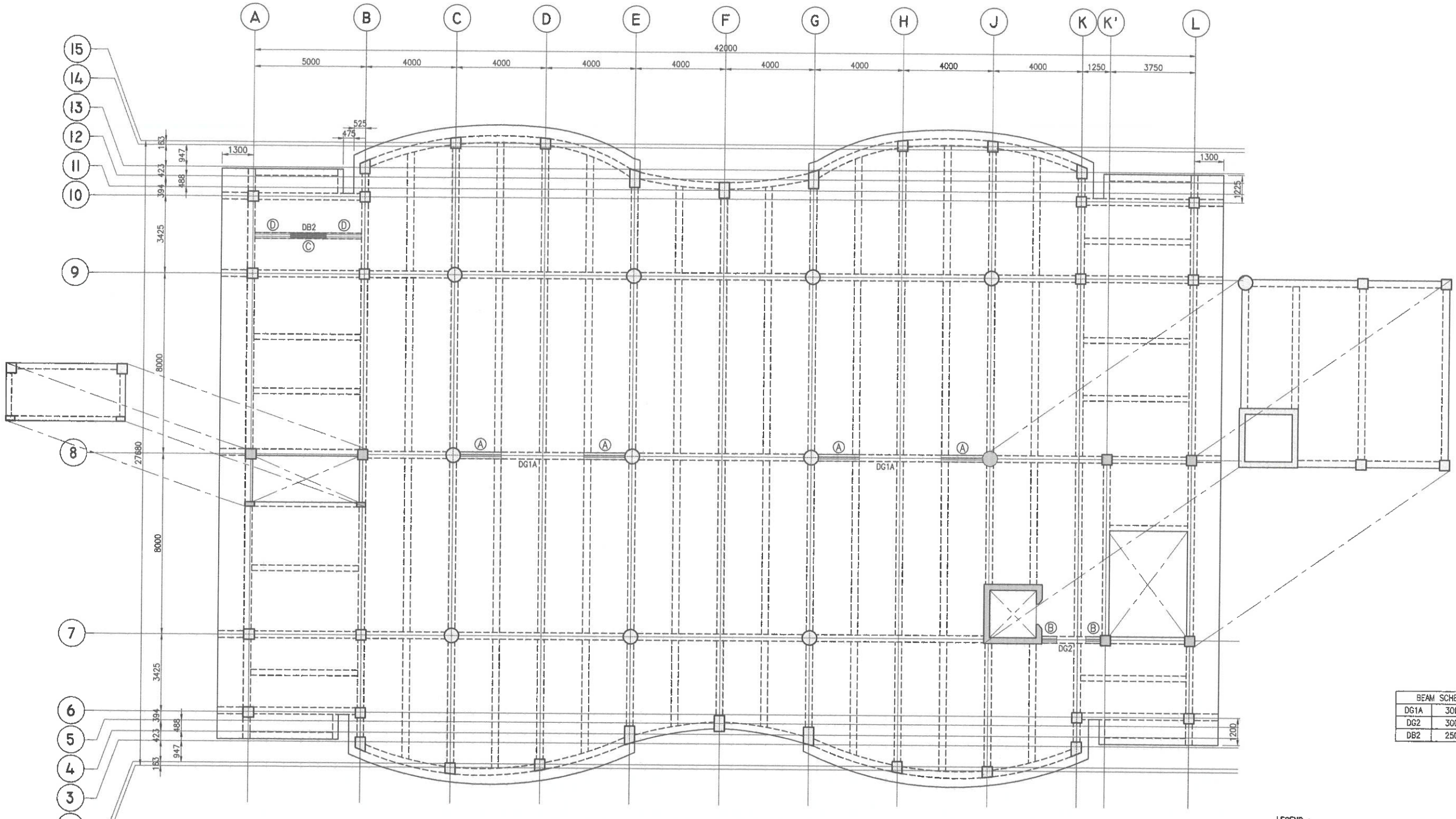
CLIENT
APPROVED BY:

PROJECT TITLE/LOCATION: PROPOSED STRUCTURAL RETROFITTING OF SSS CEBU BUILDING
BRGY. KALUBIHAN, OSMEÑA BLVD., CEBU CITY

SHEET CONTENTS: THIRD FLOOR FRAMING PLAN SHOWING BEAMS FOR SHEAR ENHANCEMENT

	DATE	NO.	REVISIONS	CHK	DATE
CADD AAP	JUNE 2020				
DESIGNED	DATE				
JMBP	JUNE 2020				
APPROVED	DATE				
ACO	JUNE 2020	0			

PAPER SIZE	SHEET NO.
20X30	S-007
SCALE	PROJECT NO.
AS SHOWN	SO-G-18-018



BEAM SCHEDULE	
DG1A	300X700
DG2	300X700
DB2	250X400

LEGEND :

- Ⓐ – 1 LAYER, 300MM WIDTH, SIKA WRAP 600C @ TOP
- Ⓑ – 2 LAYERS, 300MM WIDTH, SIKA WRAP 600C @ TOP
- Ⓒ – 2 LAYERS, 250MM WIDTH, SIKA WRAP 600C @ BOT.
- Ⓓ – 1 LAYER, 250MM WIDTH, SIKA WRAP 600C @ TOP

DECK FLOOR FRAMING PLAN SHOWING BEAMS FOR FLEXURE ENHANCEMENT

1 / S-008 SCALE 1:100M

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DATE : JANUARY 06, 2020
PLACE : MAKATI CITY

OWNER: SOCIAL SECURITY SYSTEM (SSS)
EAST AVENUE, DILIMAN, QUEZON CITY

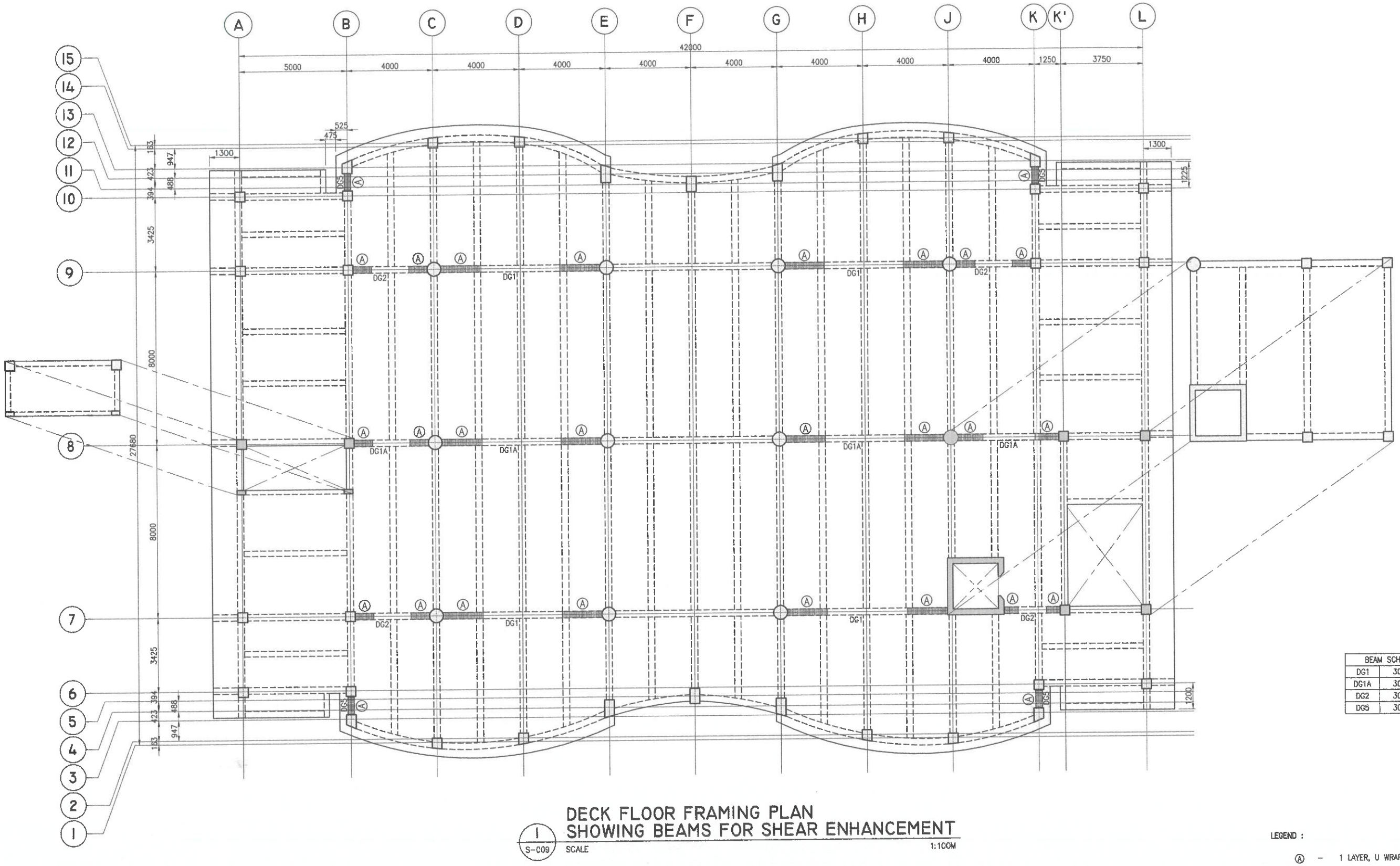
CLIENT
APPROVED BY:

PROJECT TITLE/LOCATION: PROPOSED STRUCTURAL RETROFITTING OF SSS CEBU BUILDING
BRGY. KALUBIHAN, OSMENA BLVD., CEBU CITY

SHEET CONTENTS: DECK FLOOR FRAMING PLAN SHOWING BEAMS FOR FLEXURE ENHANCEMENT

CADD	DATE	NO.	REVISIONS	CHK	DATE
AAP	JUNE 2020				
DESIGNED	DATE				
JMBP	JUNE 2020				
APPROVED	DATE				
ACO	JUNE 2020	0			

PAPER SIZE	SHEET NO.
20X30	S-008
SCALE	PROJECT NO.
AS SHOWN	SO-G-18-018



BEAM SCHEDULE	
DG1	300X700
DG1A	300X700
DG2	300X700
DG5	300X600

DECK FLOOR FRAMING PLAN SHOWING BEAMS FOR SHEAR ENHANCEMENT

1 / S-009 SCALE 1:100M

LEGEND :

Ⓐ – 1 LAYER, U WRAP OF SIKA WRAP 300C

RETROFITTING

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PTR NO. : 8122618
DATE : JANUARY 06, 2020
PLACE : MAKATI CITY

OWNER: SOCIAL SECURITY SYSTEM (SSS)
EAST AVENUE, DILIMAN, QUEZON CITY

CLIENT
APPROVED BY:

PROJECT TITLE/LOCATION: PROPOSED STRUCTURAL RETROFITTING OF SSS CEBU BUILDING
BRGY. KALUBIHAN, OSMEÑA BLVD., CEBU CITY

SHEET CONTENTS: DECK FLOOR FRAMING PLAN SHOWING BEAMS FOR SHEAR ENHANCEMENT

CADD	DATE	NO.	REVISIONS	CHK	DATE
AAP	JUNE 2020				
DESIGNED	DATE				
JMBP	JUNE 2020				
APPROVED	DATE				
ACO	JUNE 2020	0			

PAPER SIZE	SHEET NO.
20X30	S-009
SCALE	PROJECT NO.
AS SHOWN	SO-G-18-018