



REPUBLIC OF THE PHILIPPINES
PHILIPPINE STATISTICS AUTHORITY

**CONSTRUCTION OF FIT-OUT AND LANDSCAPE WORKS FOR THE
TWENTY-THREE (23) STOREY PHILIPPINE STATISTICS AUTHORITY
(PSA) OFFICE BUILDING WITH COVERED ROOF DECK
PSA COMPLEX, EAST AVENUE, DILIMAN, QUEZON CITY**

**DETAILED ARCHITECTURAL AND ENGINEERING DESIGN (DAED)
S T R U C T U R A L**

NOTE:
PURSUANT TO SECTION 4 OF ANNEX "A" OF THE REVISED IMPLEMENTING RULES AND REGULATION OF P.A. 9184, APPROVAL BY THE AUTHORIZED DPWH OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGN UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGN NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.

THE DESIGN CONSULTANT SHALL BE HELD RESPONSIBLE FOR THE FAILURE OF THE FACILITY/ES / STRUCTURES DUE TO FAULTY DESIGN EXCEPT FOR THE CHANGES MADE WITHOUT THE CONFORMITY OF THE CONSULTANTS.

DRAWINGS AND SPECIFICATIONS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE ARE PROPERTY AND DOCUMENTS OF THE ARCHITECT, WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. IT SHALL BE UNLAWFUL FOR ANY PERSON, WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT OR AUTHOR OF SAID DOCUMENTS, TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTLY OR IN WHOLE.

STRUCTURAL STEEL

- S.1. THE CONTRACTOR SHALL CHECK AND VERIFY ALL THE DIMENSIONS, SLOPES OR ANGLES AND DETAILS IN STRUCTURAL DRAWINGS WITH ARCHITECTURAL DRAWINGS. DISCREPANCIES (IF ANY) SHALL BE BROUGHT TO THE ENGINEER NOTICE BEFORE FABRICATING THE STEELWORKS.
- S.2. ALL STEELWORKS SHALL BE FABRICATED FROM NEW SECTIONS.
- S.3. THE CONTRACTOR SHALL CONSIDER THE STABILITY AND SAFETY OF STEELWORK DURING ERECTION SEQUENCE. CONTRACTOR SHALL VERIFY ACCURACY OF FABRICATION AND ACCURACY OF ERECTED STEELWORK SHALL COMPLY WITH REQUIREMENTS OF AISC 303-10 CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES
- S.4. ALL STEEL SHALL BE HOT-DIPPED GALVANIZED.
- S.5. STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST AISC SPECIFICATIONS AND WITH THE ENGINEERS SPECIFICATIONS FOR STRUCTURAL STEELWORK. A COPY OF BOTH THESE DOCUMENTS SHALL BE KEPT ON SITE.
- S.6. TWO COPIES OF SHOP DETAIL DRAWINGS ARE TO BE SUBMITTED TO THE CONSULTING ENGINEER AND APPROVAL OF SAME OBTAINED BEFORE COMMENCING FABRICATION. APPROVAL WILL NOT COVER DIMENSIONS OR LAYOUT.
- S.7. UNLESS OTHERWISE NOTED, WELDS TO BE 6MM CONTINUOUS FILLET LAID DOWN WITH APPROVED COVERED ELECTRODE. BOLTS TO BE 20MM DIAMETER HIGH STRENGTH ASTM A325 IN 2MM CLEARANCE HOLES, GUSSET PLATES TO BE 10MM THICK.
- S.8. CAMBER TO STRUCTURAL STEEL ROOF BEAMS, TRUSSES, PORTALS, ETC. TO BE 5MM FOR EVERY 2000MM OF SPAN UNLESS OTHERWISE NOTED.
- S.9. WHERE SPECIFIED STRUCTURAL STEEL SHALL BE ENCASED IN CONCRETE WITH WSF A6 WIRE MESH PLACED 25MM CLEAR OF STEEL TO PROVIDE 50MM MINIMUM COVER OR 75MM WHERE EXPOSED TO EARTH.
- S.10. ALL STRUCTURAL STEELWORK BELOW GROUND SHALL BE ENCASED BY 20.7 MPa CONCRETE, 75MM MINIMUM ALL AROUND.
- S.11. UNLESS SHOWN ON THE DRAWINGS, THE ROOF STRUCTURE HAS BEEN DESIGNED FOR NORMAL ROOF LOADS ONLY AND DOES NOT ALLOW FOR ANY EXTRANEOUS LOADS SUCH AS HOISTS, MONORAILS, ETC.
- S.12. ALL JOINTS USING HIGH STRENGTH FRICTION GRIP (HSFG) BOLTS ARE TO BE GIVEN A DISTINCTIVE COLOUR FLASH FOR READY IDENTIFICATION.
- S.13. WHERE DENOTED AS HSFG BOLTS, CONTACT SURFACES MUST NOT BE PAINTED.
- S.14. LOAD INDICATOR WASHERS SHALL BE USED WITH ALL HSFG BOLTS SO THAT THE PROTRUSIONS ON THE WASHERS, WHEN ASSEMBLED, WILL BEAR ON THE UNDERSIDE OF THE BOLT HEAD. THE NUT SHALL BE TIGHTENED UNTIL THE GAP BETWEEN THE WASHER AND THE BOLT HEAD IS BETWEEN 250 AND 125 MICRO METERS.
- S.15. THE CONTRACTOR SHALL NOTE THAT ALL SERVICES, CEILINGS, FIXTURES, MAINTENANCE CATWALKS, ETC. SHALL BE SUSPENDED FROM MAIN BEAMS AND TRUSSES, AND NOT FROM SLABS OR PURLINS, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- S.16. SECONDARY STEELWORK OR SUPPORTS, IF REQUIRED, SHALL BE DESIGNED AND INSTALLED BY THE CONTRACTOR'S OWN PROFESSIONAL ENGINEER. THE COST OF ALL SECONDARY STEELWORK SHALL DEEM TO BE INCLUDED IN THE CONTRACT PRICE.
- S.17. THE CONTRACTOR SHALL SUBMIT DESIGN AND DETAILS OF ALL SAFETY BARRIERS (INCLUDING FIXINGS), TO THE ENGINEER FOR REVIEW AND APPROVAL.
- S.18. SAFETY BARRIERS SHALL COMPLY WITH THE HORIZONTAL LOADING REQUIREMENTS OF THE NSCP AND/OR ASCE.
- S.23. CONNECTION BOLT LENGTH: THE BOLT LENGTH SHALL BE CHOSEN SUCH THAT, AFTER TIGHTENING AT LEAST ONE THREAD PLUS THE THREAD RUN-OUT WILL BE CLEAR BETWEEN THE NUT AND THE UNTHREADED SHANK OF THE BOLT AND AT LEAST ONE THREAD SHALL SHOW ABOVE THE NUT.
- S.24. ENDS OF HOLD DOWN BOLTS / ANCHOR BOLT SHALL PROTRUDE A MINIMUM OF 25mm ABOVE THE NUTS. WHEN BOLTS ARE PRE-SET INTO CONCRETE ELEMENT, PROVISION SHALL BE MADE TO THE NORMAL PROTRUSION NEEDED TO ACCOMMODATE THE NUTS, WASHERS PLUS A FURTHER TOLERANCE FOR THE CONCRETE ELEMENT.
- S.25. UNLESS OTHERWISE SPECIFIED & NOTED ON PLANS, ALL STRUCTURAL STEEL AND ITS CONNECTIONS SHALL BE FIREPROOFED TO AT LEAST 2 HOURS RATING.

MATERIALS

- SM.1. ALL STRUCTURAL STEEL MATERIAL SHALL BE GRADE 345 MPa TO ASTM A992 SPECIFICATIONS, WELDABLE STEEL, SOUND AND FREE FROM CRACKS, SURFACE FLAWS, LAMINATION AND OTHER DEFECTS.
- SM.2. STRUCTURAL HOLLOW SECTIONS (HOT FINISHED) SHALL BE GRADE A55 CONFORMING TO ASTM A500 SPECIFICATIONS.
- SM.3. ANCHOR BOLTS SHALL BE GRADE A36 CONFORMING TO ASTM 1554 SPECIFICATIONS.
- SM.4. HIGH STRENGTH BOLTS SHALL CONFORM TO ASTM F3125 SPECIFICATIONS.
- SM.5. ALL ELECTRODES SHALL BE AWS E70.

METHOD STATEMENT

- SM.1. PROVIDE A DETAILED METHOD STATEMENT TO THE ENGINEER FOR ACCEPTANCE WITHIN DIRECTED TIME PRIOR TO COMMENCEMENT OF ANY WORKS. INCLUDE AT LEAST THE FOLLOWING INFORMATION:
 - a. SITE PLAN SHOWING THE WORK LAYOUT AREA, POSITION AND TYPE OF CRANES, ACCESS ROUTES, DATUM LEVEL, SETTING-OUT LINES, STORAGE AREA, ETC.
 - b. FABRICATION PROCEDURE / MANUAL, LOCATIONS (LOCAL AND/OR OVERSEAS), LIST OF SUBCONTRACTORS / SUPPLIERS AND THEIR SCOPE OF WORKS, QUALITY ASSURANCE SYSTEM, ETC.
 - c. STORAGE AND HANDLING
 - d. MAXIMUM SIZE OF STRUCTURAL STEEL COMPONENTS THAT CAN BE DELIVERED TO THE SITE
 - e. ASSEMBLY OF STRUCTURAL MEMBERS ON THE GROUND LEVEL BEFORE ERECTION, WHERE PARTIAL OR COMPLETE FABRICATION WORK IS REQUIRED ON SITE
 - f. SEQUENCE AND METHOD OF ERECTION AND ASSEMBLY OF STRUCTURAL MEMBERS TAKING INTO ACCOUNT THE SITE CONDITIONS, SITE CONSTRAINTS, SITE RESTRICTION AND INTERFACE WITH OTHER TRADES
 - g. DETAILED DRAWINGS AND CALCULATIONS FOR TEMPORARY WORKS
- SM.2. PROVIDE DETAILS OF THE PROPOSALS TO THE ENGINEER FOR ACCEPTANCE WITHIN DIRECTED TIME FRAME PRIOR TO COMMENCEMENT OF THE WORKS. THE SUBMISSION IS TO INCLUDE AT LEAST INFORMATION ON THE FOLLOWING:
 - a. MATERIALS AND SYSTEM PROPOSED INCLUDING PRODUCT DATA, SCHEMES OF THE COATINGS, CERTIFICATES AND MANUFACTURER'S RECOMMENDATION INDICATING SUITABILITY WITH REGARDS TO THE SPECIFIED PERFORMANCE REQUIREMENTS.
 - b. METHOD OF TRANSPORTATION, STORAGE AND HANDLING
 - c. SURFACE PREPARATION
 - d. METHOD OF APPLICATION
 - e. SCHEDULE OF TESTS AND INSPECTION
 - f. SEQUENTIAL DETAILS OF ALL PROCEDURES INVOLVED
 - g. SUPERVISION
 - h. DETAILS OF THE PROPOSED METHOD OF REMEDIAL OR RECTIFICATION WORK INCLUDING SURFACE PREPARATION, MATERIALS TO BE USED AND METHOD OF APPLICATION
 - i. FABRICATION TECHNIQUES THAT HELP OR AFFECT APPLICATION
 - j. PAINTING OF AREAS THAT WILL BE MADE INACCESSIBLE AT A LATER STAGE
- SM.3. THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE ENGINEER FOR APPROVAL THE FOLLOWING DOCUMENT:
 - a. SHOP DRAWINGS SHOWING DETAILS OF THE WORKS
 - b. FABRICATION METHOD STATEMENTS AND WELDING PROCEDURES
 - c. ERECTION METHOD STATEMENT & CONSTRUCTION SEQUENCES
 - d. CRANAGE DETAIL
 - e. CALCULATION OF HANDLING AND ERECTION STRESSES
 - f. TEMPORARY STEELWORKS / TOWERS, GUYS AND BRACING PROPOSED FOR USE DURING ERECTION

QUALITY CONTROL

- SQ.1. DESTRUCTIVE AND NON-DESTRUCTIVE TESTS TO STRUCTURAL STEEL WORKS IS DEEMED INCLUDED IN THE STRUCTURAL STEEL FABRICATION SCHEDULE.
- SQ.2. STEEL FABRICATOR SHALL SUBMIT QUALITY PLAN AND SHOP DRAWINGS TO THE CONSULTANT'S FOR APPROVAL / ACCEPTANCE.
- SQ.3. WELDING WORKS SHALL BE CARRIED OUT BY QUALIFIED WELDERS.
- SQ.4. CONTRACTOR / ITA SHALL ARRANGE FOR SAMPLES OF MATERIALS AND WELDS TO BE TESTED.
- SQ.5. THE CONTRACTOR SHALL APPOINT AND INDEPENDENT INSPECTION AND TESTING AGENCY (ITA) ACCEPTED BY THE ENGINEER AND ACCREDITED BUILDING AUTHORITIES HAVING JURISDICTION OVER THE PROJECT.

PROTECTIVE TREATMENT

- SP.1. SURFACE OF STEEL ELEMENTS PRIOR TO PAINTING SHALL BE PREPARED IN ACCORDANCE WITH AISC SPECIFICATIONS. FOUR (4) COATS SHALL BE AS FOLLOW:
 - PRIMER: ONE STOP COAT OF ZINC CHROMATE PRIMER OF 25 MICRONS DFT OR APPROVED EQUIVALENT
 - ONE SIMILAR COAT, BUT OF DIFFERENT COLOR SHALL BE APPLIED AT SITE
 - UNDERCOAT: ONE UNDERCOAT OF MICAECIOUS IRON OXIDE PAINT OF 75 MICRON DFT OR APPROVED EQUIVALENT
 - FINISH COAT: ONE FINISH COAT OF MICAECIOUS IRON OXIDE PAINT OF 50 MICRONS DFT OR APPROVED EQUIVALENT
- SP.1. CORROSION PROTECTION SHALL BE AS PER SPECIFICATION FOR DETAILS OF PAINT TREATMENT. ALL STEEL WORK SHALL BE PAINTED UNLESS NOTED OTHERWISE ON THE DRAWINGS EXCEPT:
 - a. SURFACES WHICH ARE EMBEDDED IN CONCRETE BY MORE THAN 30MM, IN WHICH CASE THE STEEL SURFACES SHALL BE CLEANED AND FREE FROM LOOSE RUST AND SCALE AT THE TIME OF CONCRETING.
 - b. AT FRICTION GRIP BOLTED CONNECTIONS (DENOTED 'TF') THE CONTACT SURFACES SHALL BE PAINTED WITH INORGANIC ZINC SILICATE PRIMER ONLY, WITH CERTIFIED SLIP FACTOR OF NOT LESS THAN 0.4.
 - c. AT FIELD WELDED CONNECTIONS THE PAINT TREATMENT SHALL BE MADE GOOD TO THE SAME STANDARD AS OTHER PAINTWORK.
 - d. GALVANIZING, IF SPECIFIED, SHALL BE HOT-DIP GALVANIZING CONFORMING TO ASTM A153 SPECIFICATIONS
- SP.1. GALVANIZING, IF SPECIFIED, SHALL BE HOT-DIP GALVANIZED IN AISC SPECIFICATIONS. MINIMUM AVERAGE ZINC COATING THICKNESS SHALL BE 85 MICRONS. THOROUGH WASHING OF STEELWORK WITH AN APPROVED ETCHING SOLUTION SHALL PRECEDE THE APPLICATION OF SURFACE COATINGS.

WELDING

- SW.1. WELDING SHALL BE A METAL ARC PROCESS IN ACCORDANCE WITH AMERICAN WELDING SOCIETY AWS SPECIFICATIONS
- SW.2. CONSUMABLES FOR USE IN METAL ARC WELDING SHALL COMPLY WITH ASTM E70 SERIES.
- SW.3. WELDING CONSUMABLES USED SHALL BE CHOSEN TO ENSURE THAT THE MECHANICAL PROPERTIES OF THE WELD METAL ARE NOT LESS THEN LOOSE REQUIRED FOR THE PARENT METAL.
- SW.4. JOINTS SHALL BE PREPARED IN ACCORDANCE WITH AISC SPECIFICATIONS.
- SW.5. WELDERS SHALL BE TESTED TO MEET THE REQUIREMENTS OF AWS AS APPROPRIATE. ONLY QUALIFIED WELDERS AS TESTED BY APPROVAL ACCREDITED AGENCIES SHALL PERFORM WELDING.
- SW.6. THE CONTRACTOR SHALL PREPARE AND SUBMIT TO BOTH THE ENGINEER & AN INDEPENDENT ACCREDITED INSPECTION & TESTING AGENCY FOR APPROVED, WELDING PROCEDURES IN ACCORDANCE WITH AWS.
- SW.7. THE CONTRACTOR SHALL APPOINT AN APPROVED INDEPENDENT ACCREDITED INSPECTION & TESTING AGENCY TO CARRY-OUT ALL WELD QUALITY VISUAL NON-DESTRUCTIVE TESTING.
- SW.8. ALL CONNECTION / JOINTS SHALL BE FULL PENETRATION BUTT WELD ALL AROUND (BOTH SIDES), REGARDLESS PIN / FIXED CONNECTIONS.

TEMPORARY WORKS

- T.1. FOR THE CONTRACTOR SHALL ENGAGE A PROFESSIONAL ENGINEER TO PERFORM DESIGN CHECK OF THE ADEQUACY OF STRUCTURE TO SUPPORT CONSTRUCTION OF FLAT SLABS/ FLAT PLATES OR TRANSFER BEAM TO ENSURE THAT THE COMPLETED PARTS OF THE STRUCTURE ARE STRUCTURALLY ADEQUATE IF THEY ARE TO BE USED TO SUPPORT THE CONSTRUCTION OF FLAT SLABS/PLATES OR TRANSFER BEAMS. THE DESIGN CHECK SHALL INCLUDE STRENGTH AND SERVICEABILITY (WITH EFFECTS ON LONG TERM DEFLECTION DUE TO EARLY LOADING TO CONCRETE FLOOR). THE PROFESSIONAL ENGINEER SHALL SUBMIT A COPY OF THE DESIGN CHECK CALCULATION TO THE ENGINEER, AND A COPY OF THE DESIGN CALCULATION SHALL BE KEPT AT THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT THE LOWER FLOOR/S SUPPORTING THE FALSE WORKS USED FOR CONCRETING THE UPPER FLOOR IS STRUCTURALLY ADEQUATE. THE CONTRACTOR MAY PROVIDE ADDITIONAL REINFORCEMENT TO STRUCTURAL ELEMENTS, IF HE CONSIDERS NECESSARY TO PERFORM THIS FUNCTION, AT HIS OWN COST.
- T.2. ALL TRANSFER BEAMS SHALL NOT BE LOADED UNTIL 28 DAYS AFTER THEY ARE CONCRETED. IF THE CONTRACTOR INTENDS TO CONSTRUCT THE COLUMNS AND FLOORS OVER THESE BEAMS AT AN EARLIER TIME, THE CONTRACTOR SHALL BE RESPONSIBLE TO DESIGN THE NECESSARY TEMPORARY WORKS TO SUPPORT THE TRANSFER BEAMS AND THE LOADS IMPOSED FROM ABOVE.

PROTECTION

- P.1. STARTER BARS AND OTHER STEEL BARS WHICH ARE EXPOSED TO THE ENVIRONMENT DUE TO DELAY IN CONCRETING OPERATION OR STAGED CONSTRUCTION THAT MY CAUSE CORROSION OF BARS SHALL BE COATED WITH GROUT TO PROTECT THEM AGAINST CORROSION PRIOR TO CASTING OF THE IN-SITU ELEMENT, DRIED CEMENT GROUT SHALL BE REMOVED BY VIGOROUS WIRE BRUSHING.

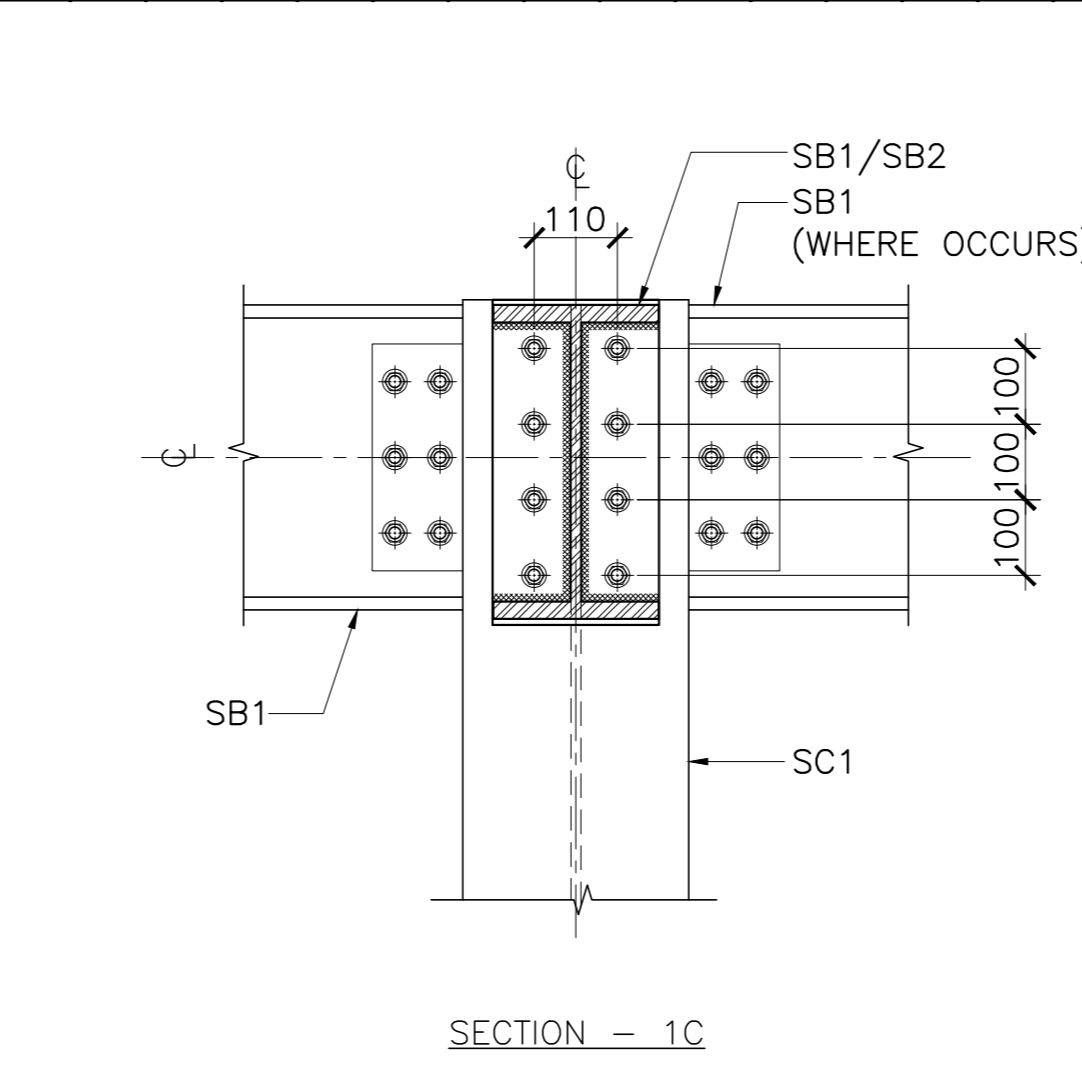
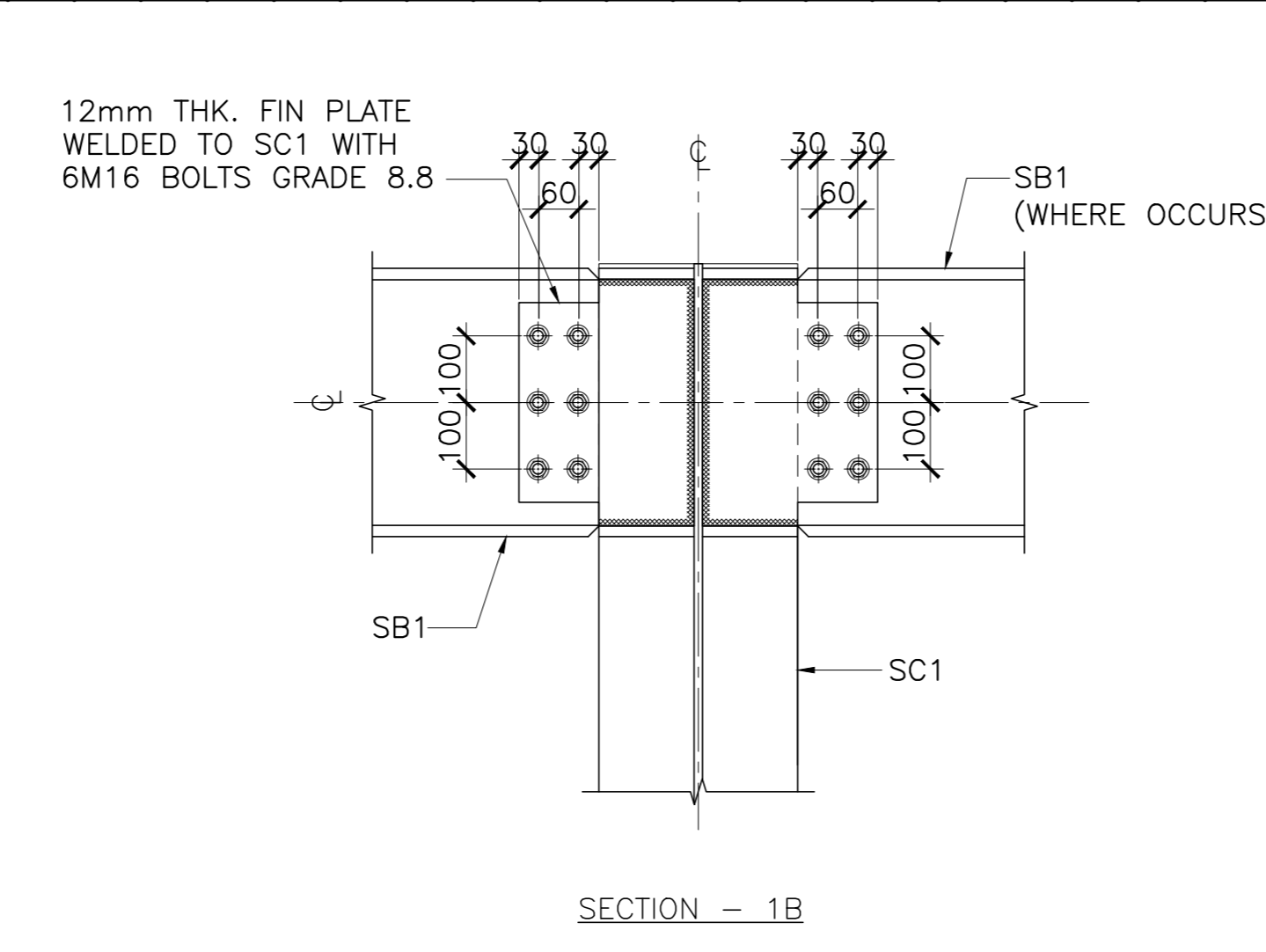
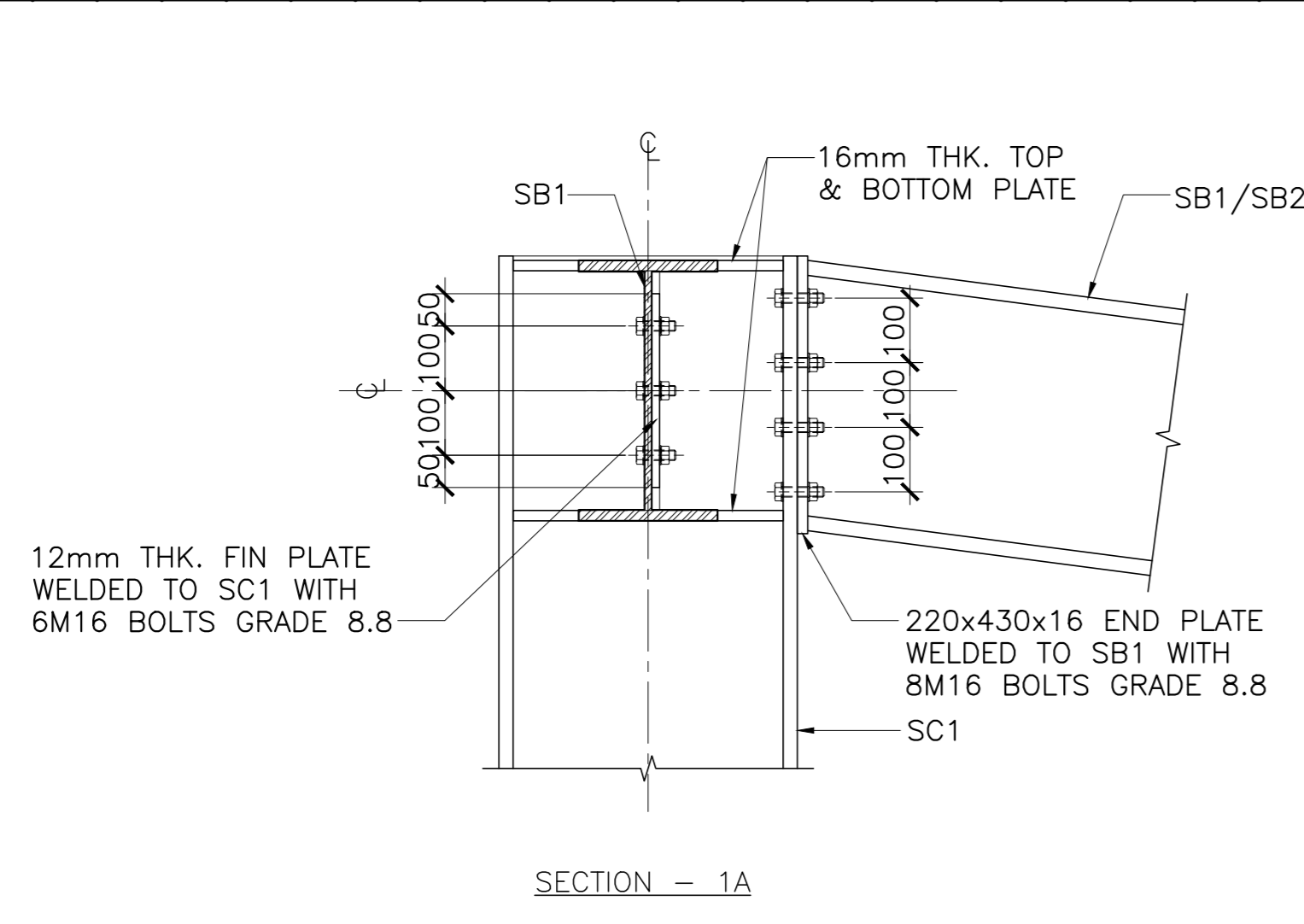
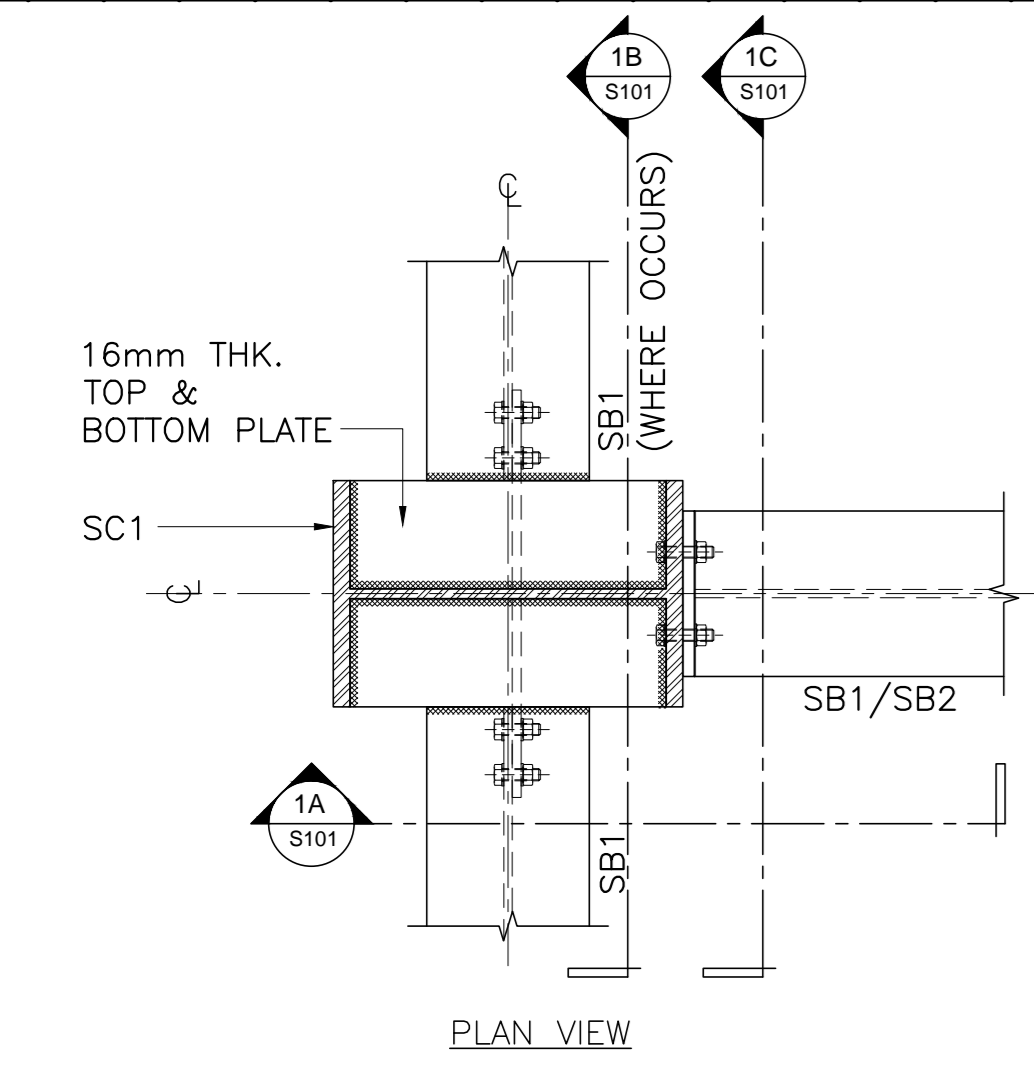
INSTRUMENTATION

- I.1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INSTRUMENTATION INSTALLATION, MONITORING AND REPORTING REQUIREMENTS REQUIRED UNDER THE CONTRACT AND/OR IMPOSED BY THE ENGINEER/AUTHORITIES AT ANY TIME DURING THE CONTRACT, AND SHALL SUBMIT THE NECESSARY REPORTS TO THE ENGINEER/AUTHORITIES AS REQUIRED FROM TIME TO TIME.
- I.2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTINUOUSLY MONITORING THE INSTRUMENTATION READINGS AND EFFECT NECESSARY REMEDIAL WORKS IMMEDIATELY, AS SOON AS THE GROUND MOVEMENTS EXCEED THE ACCEPTABLE LIMITS AND/OR POSE SAFETY RISKS TO THE CONTRACT WORKS AND/OR THE EXISTING STRUCTURES AND SERVICES. ALL SUCH MEASURES THAT MAY NEED TO BE IMPLEMENTED SHALL BE DEEMED TO BE INCLUDED IN THE CONTRACT PRICE AND TIME.
- I.3. THROUGHOUT THE DURATION STIPULATED IN THE TENDER DOCUMENTS, THE CONTRACTOR IS REQUIRED TO MANAGE MONITORING OF INSTRUMENTS TO BE INSTALLED BY A SPECIALIST CONTRACTOR, INCLUDING THE NUMBER & FREQUENCY OF MONITORING INSTRUMENTS.
- I.4. TAKE ALL NECESSARY ACTIONS TO ENSURE THE CONTROL OF POLLUTION FROM SITE ACTIVITIES. THE NOISE LEVEL (MAXIMUM ALLOWABLE EQUIVALENT CONTINUOUS NOISE LEVEL MEASURED OVER A PERIOD OF 5 MINUTES IN DB) AT THE NEAREST OCCUPIED BUILDING OUTSIDE THE SITE IS NOT TO EXCEED THE FOLLOWING MAXIMUM PERMISSIBLE NOISE LEVEL, OR SHALL HAVE MET THE NOISE CONTROL GUIDELINES IMPOSED BY THE RELEVANT AUTHORITIES HAVING JURISDICTION, WHICHEVER IS MORE STRINGENT.

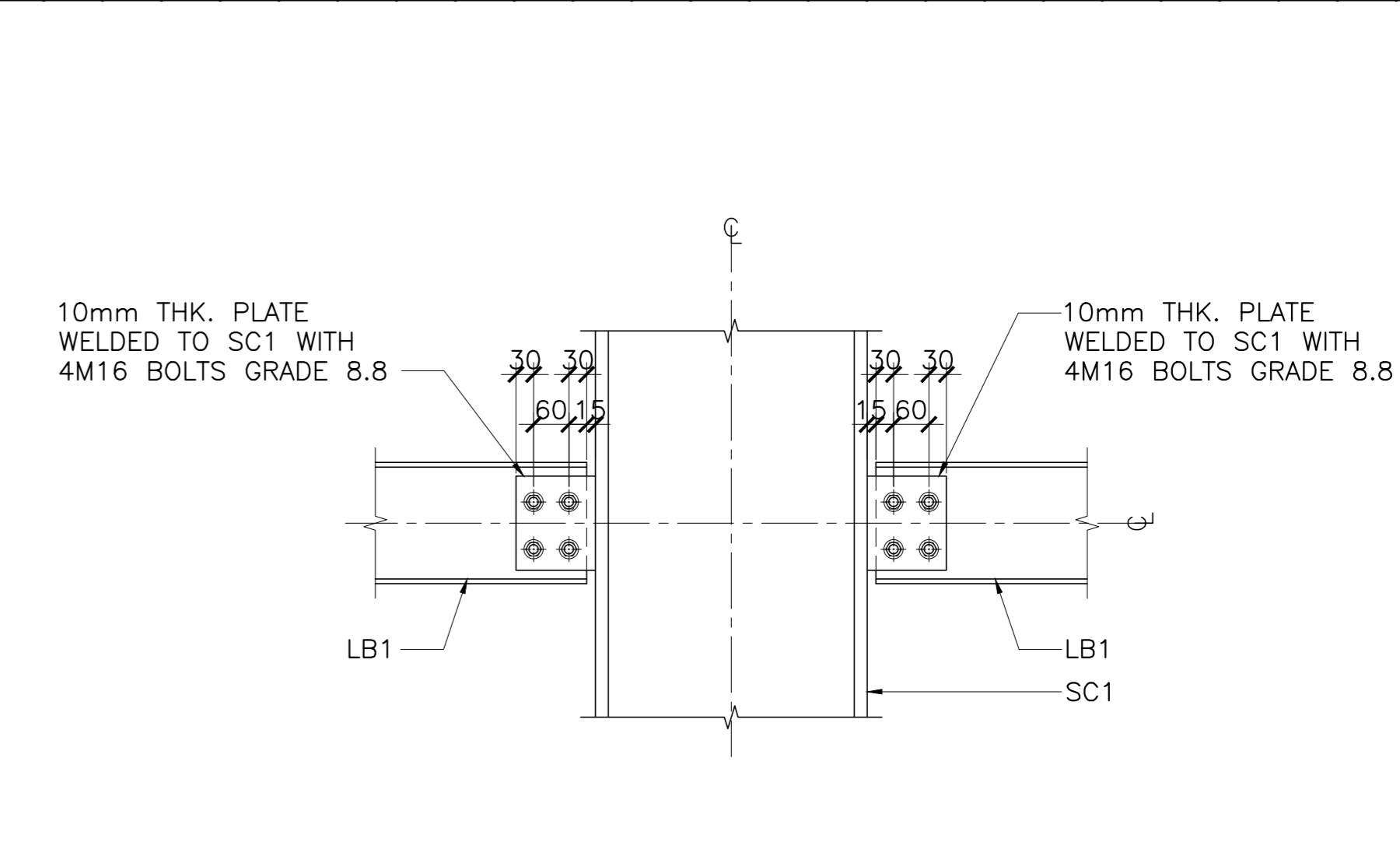
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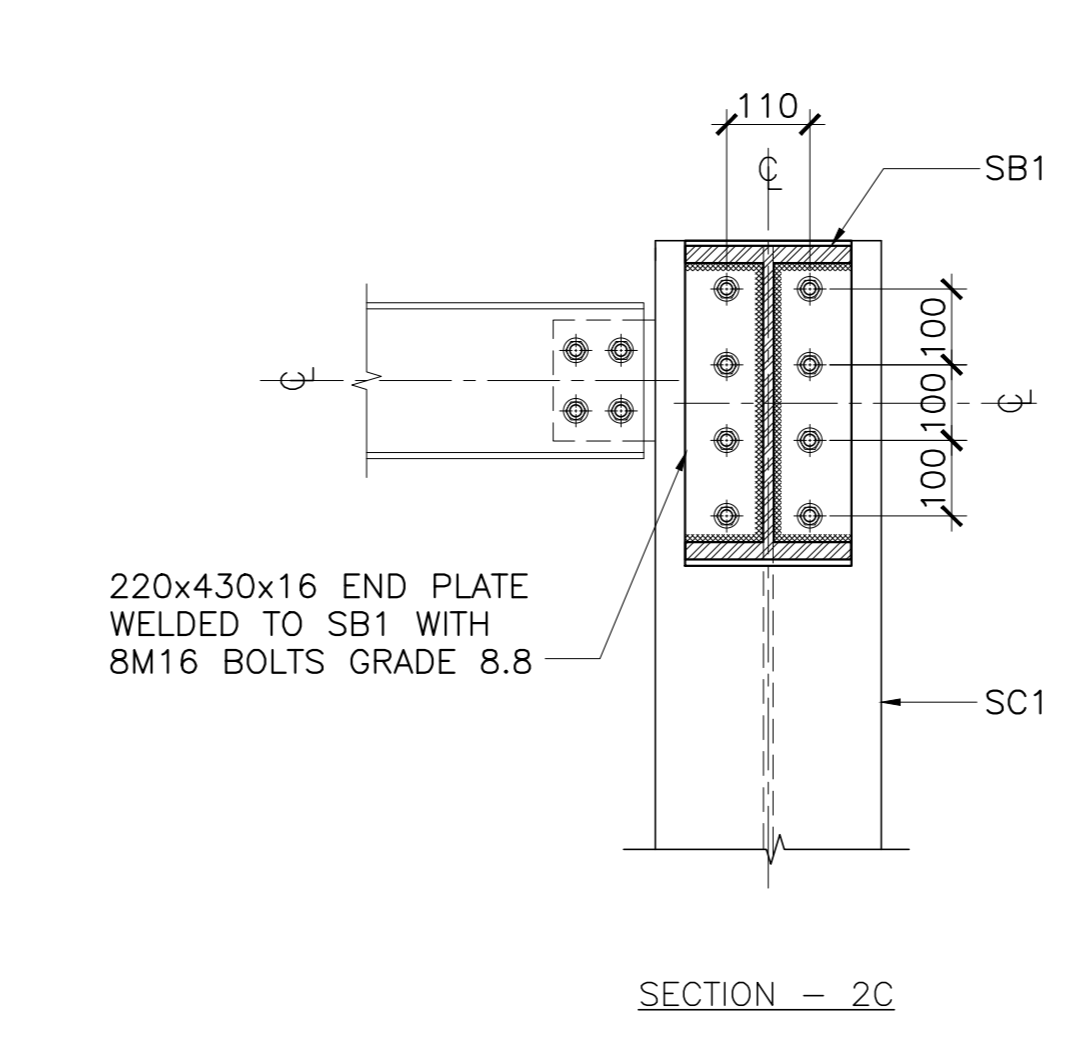
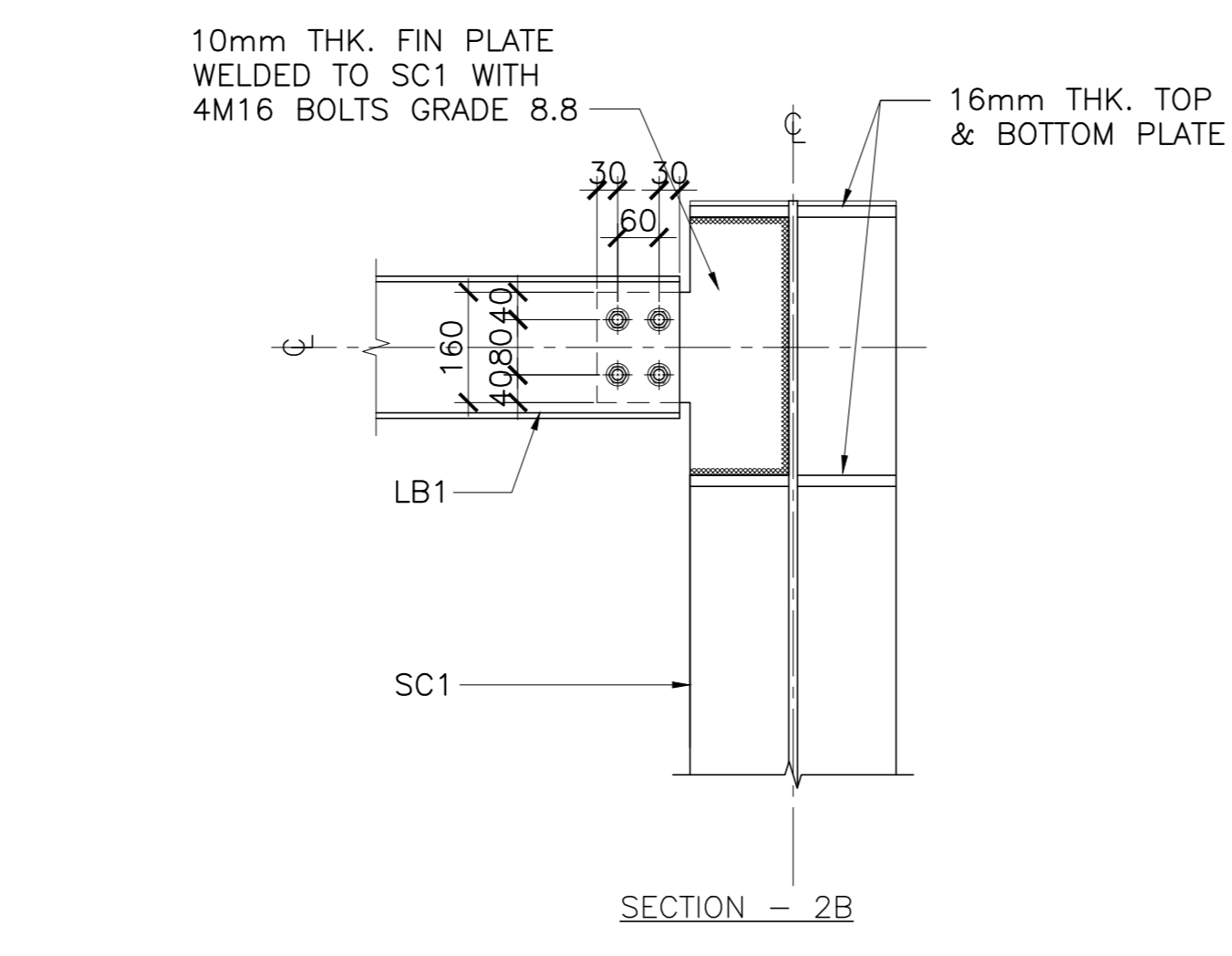
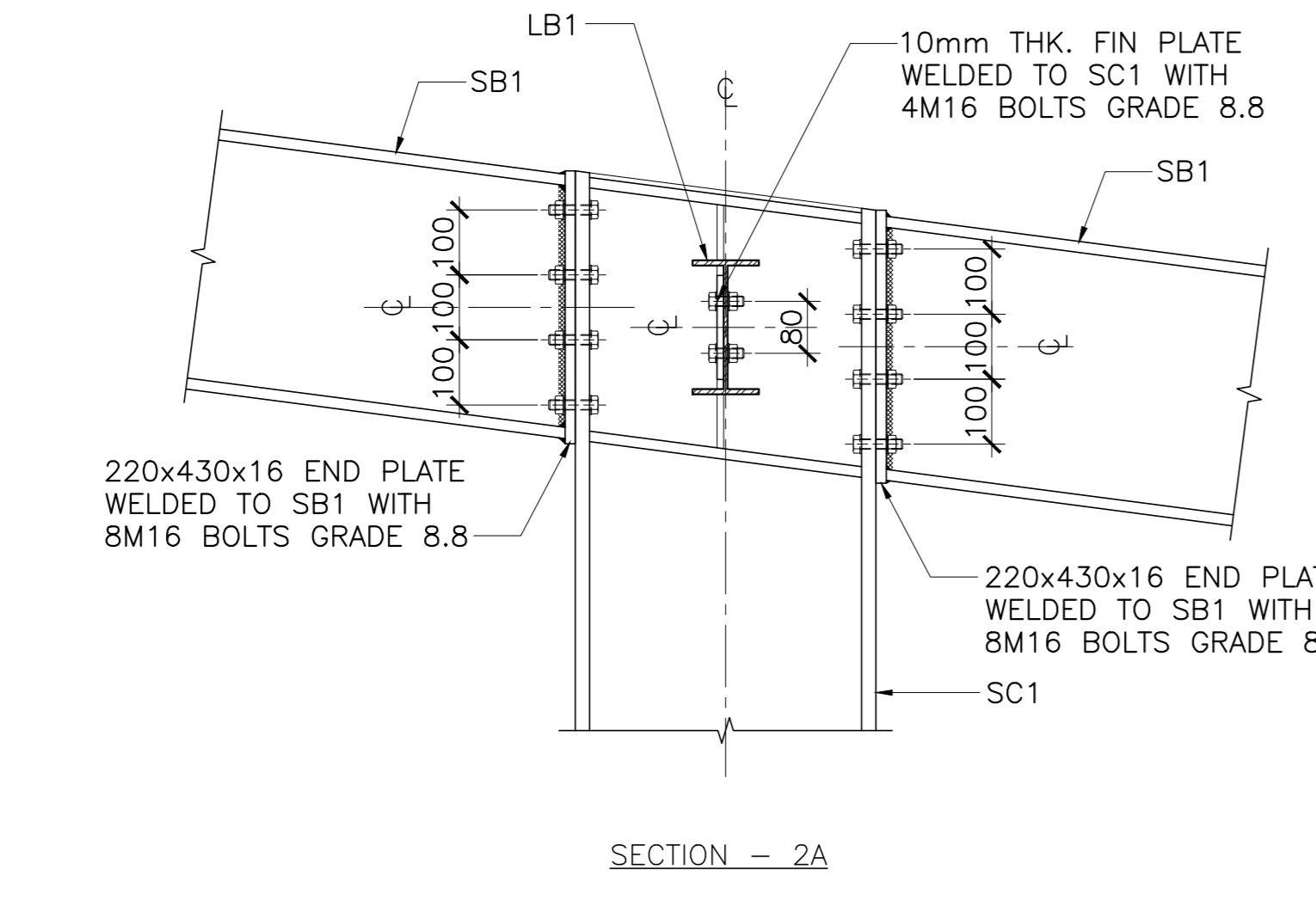
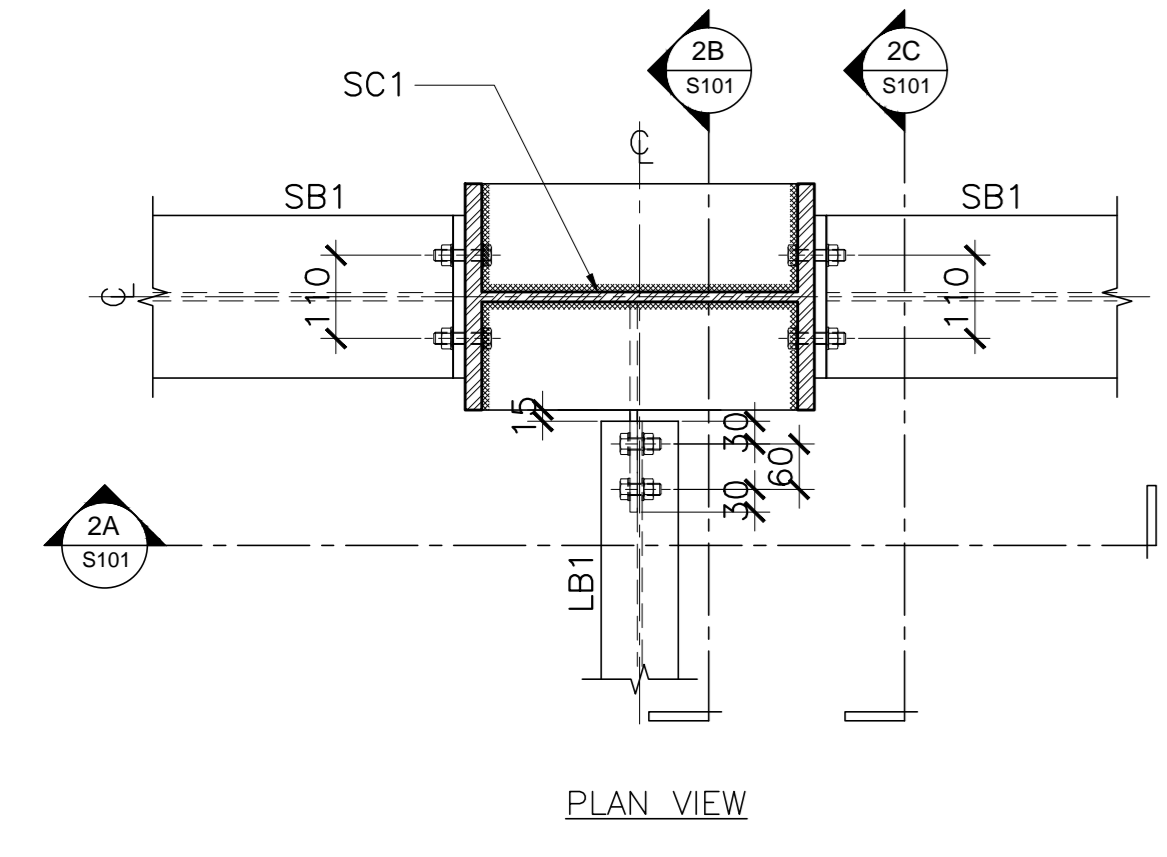
		CONSULTANT: LOUIECHECHTO S. NIÑO CIVIL/STRUCTURAL ENGINEER PRC NO. 0556276 DATE AUG. 15, 1989 MFPAS263 DATE JAN. 13, 2022 PLACE MUNTINLUPA CITY TEL NO. 02-804-743-000	CHECKED: JOSE MANUEL AGUILALDO PROJECT MANAGER III BUILDING & SPECIAL PROJECTS MANAGEMENT CLUSTER UNIFIED PROJECT MANAGEMENT OFFICE, DPWH	REVIEWED: ATTY. JOHNSON V. DOMINGO PROJECT DIRECTOR BUILDING & SPECIAL PROJECTS MANAGEMENT CLUSTER UNIFIED PROJECT MANAGEMENT OFFICE, DPWH	RECOMMENDING APPROVAL: REYNOR B. IMPERIAL DIRECTOR PLANNING AND MANAGEMENT SERVICE CO-HEAD, PSA-BDM SOCRATES L. RAMORES DIRECTOR ADMINISTRATIVE SERVICE HEAD, PSA-BDM LEO B. MALAGAR ASSISTANT SECRETARY DEPUTY NATIONAL STATISTICIAN CIVIL REGISTRATION & GENERAL SUPPORT OFFICE	APPROVED: USEC. CLAIRE DENNIS S. MAPA, PH. D. NATIONAL STATISTICIAN AND CIVIL REGISTRAR GENERAL PHILIPPINE STATISTICS AUTHORITY	PROJECT: CONSTRUCTION OF FIT-OUT AND LANDSCAPE WORKS FOR THE TWENTY-THREE (23) STOREY PHILIPPINE STATISTICS AUTHORITY (PSA) OFFICE BUILDING WITH COVERED ROOF DECK LOCATION: PSA COMPLEX, EAST AVENUE, DILIMAN, QUEZON CITY	SHEET CONTENT STRUCTURAL NOTES - 1	DESIGNER E. OLANAN CAD AET / ADI CHECKED RIB / AET DATE MAY 2021	REVISIONS SYMBOL REMARK DATE	SHEET NO. S001
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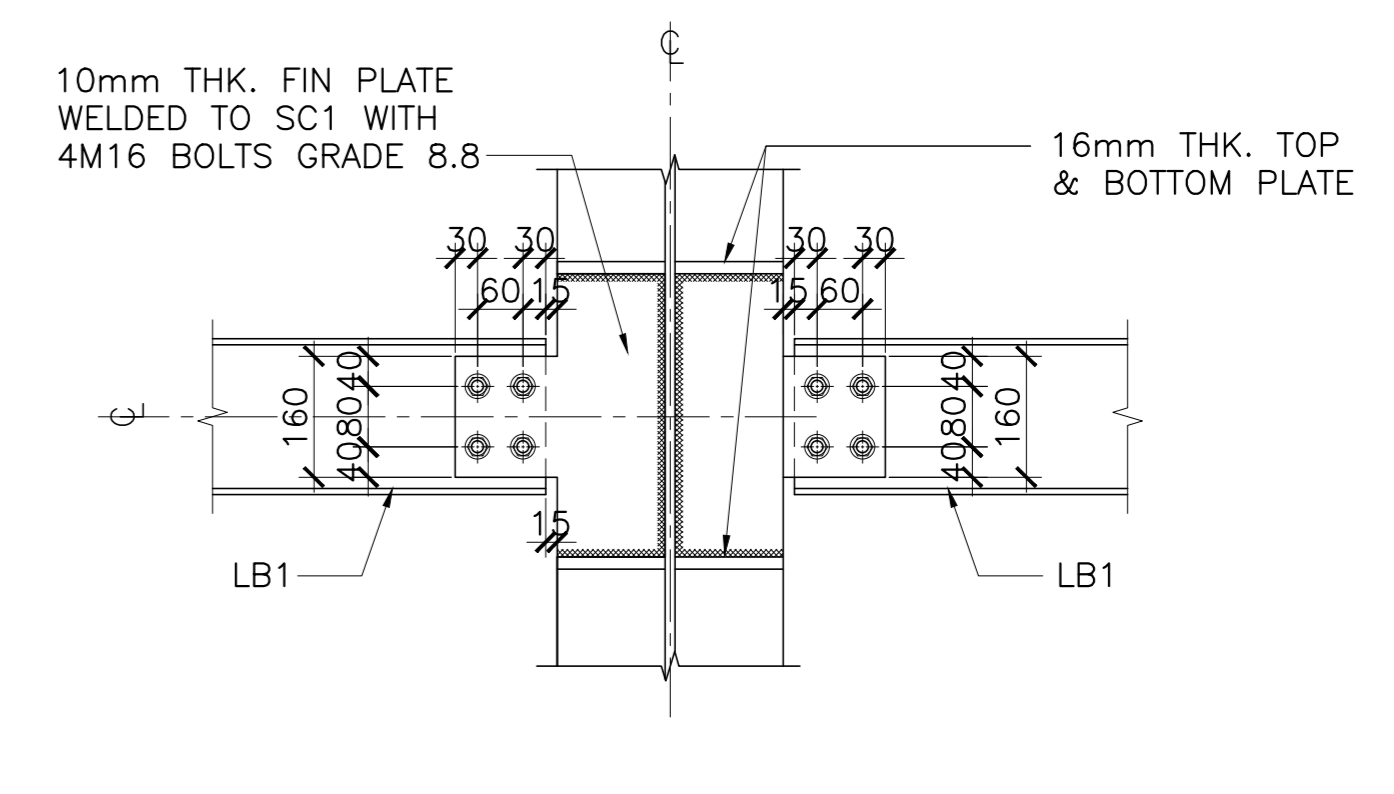
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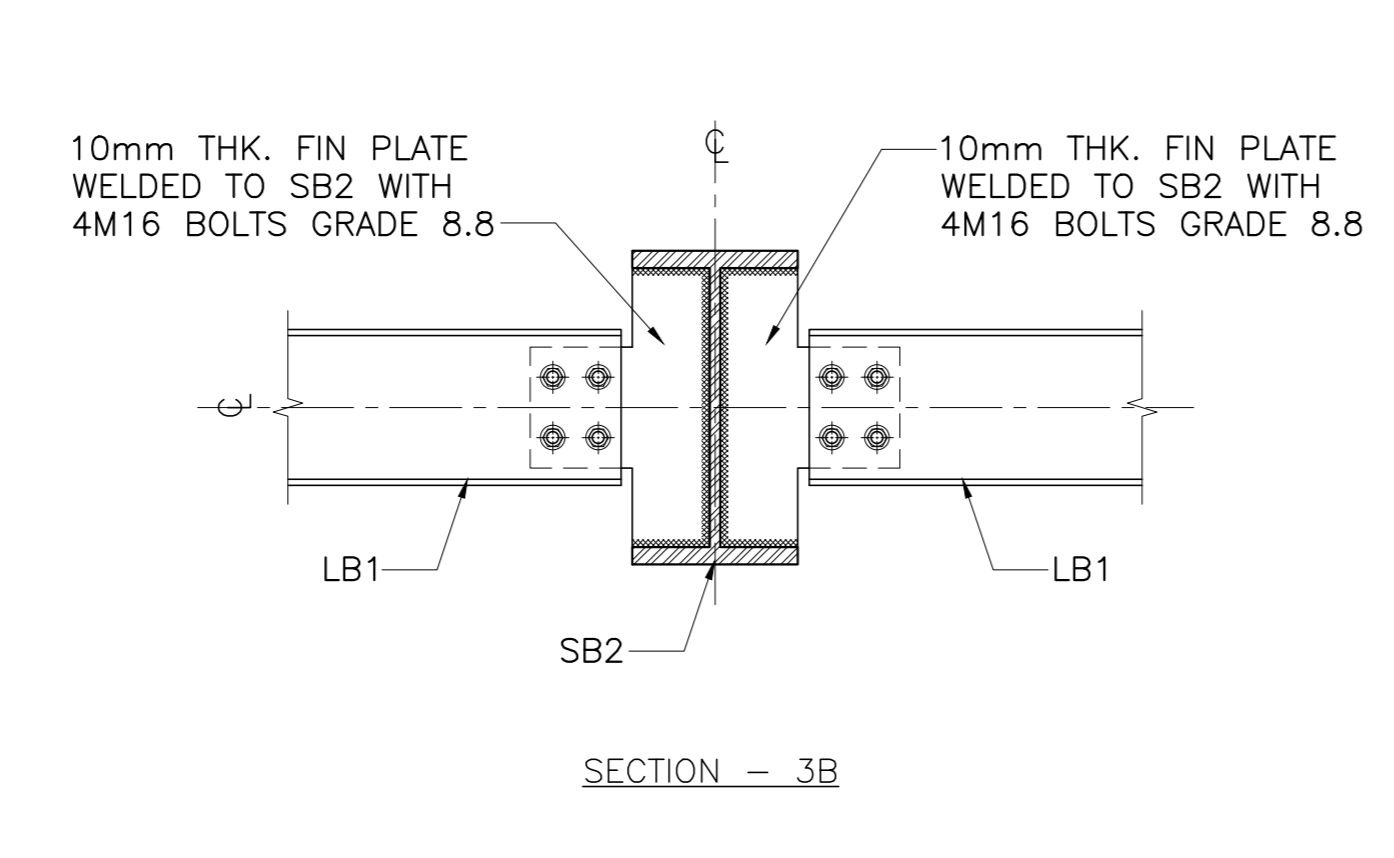
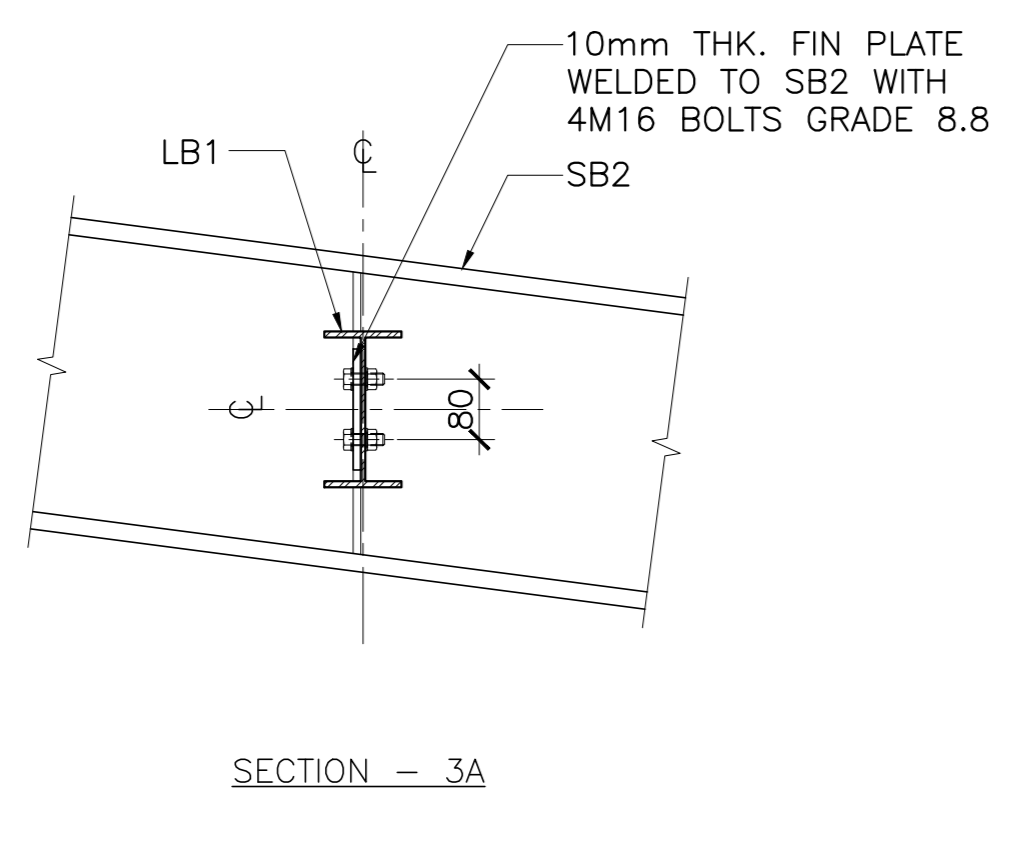
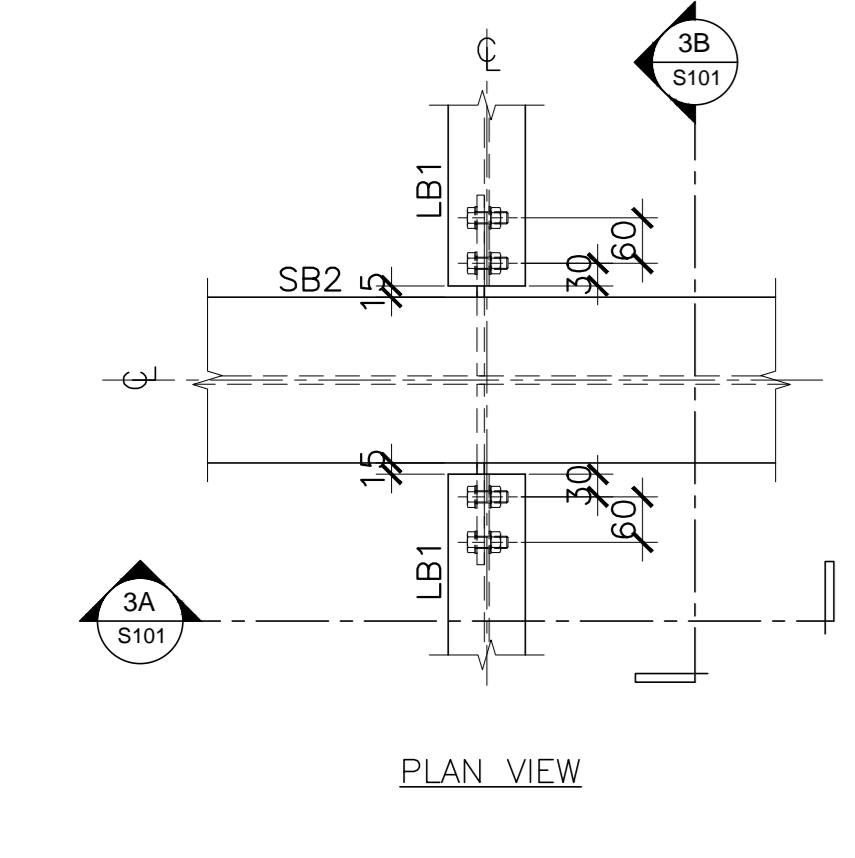
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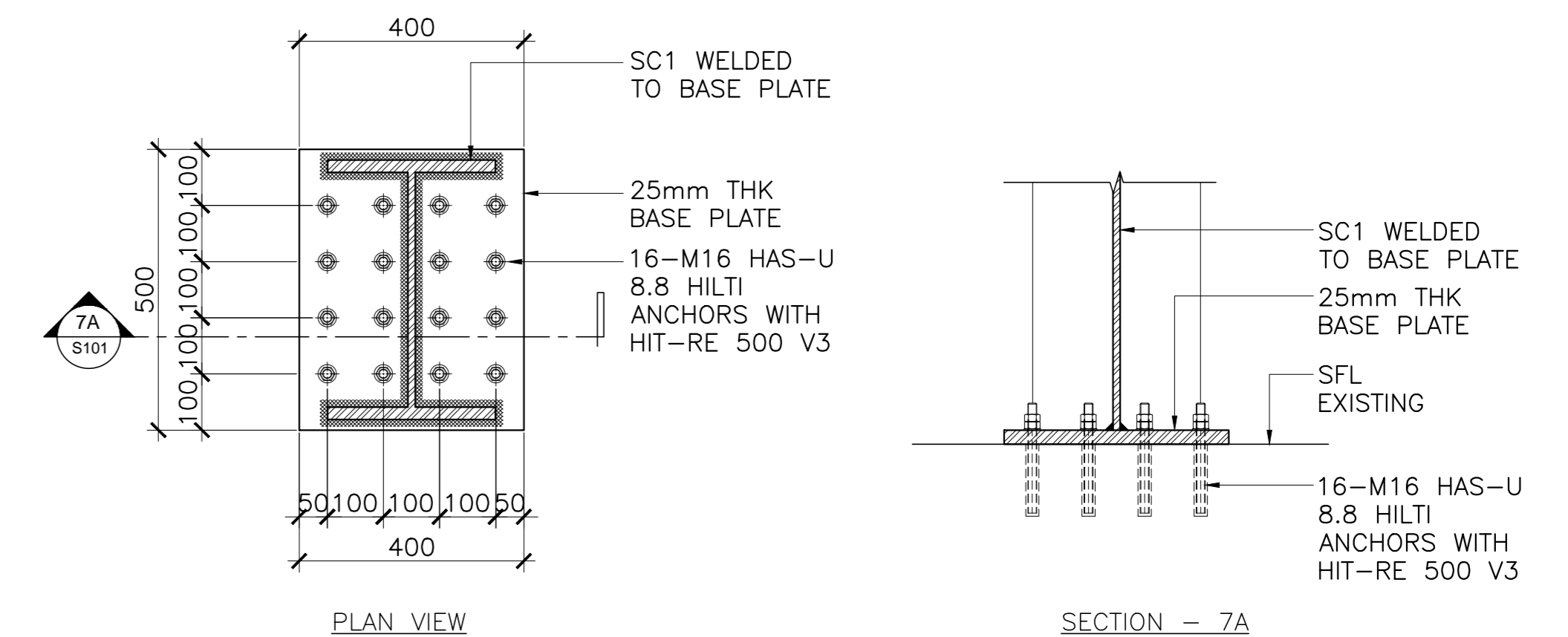
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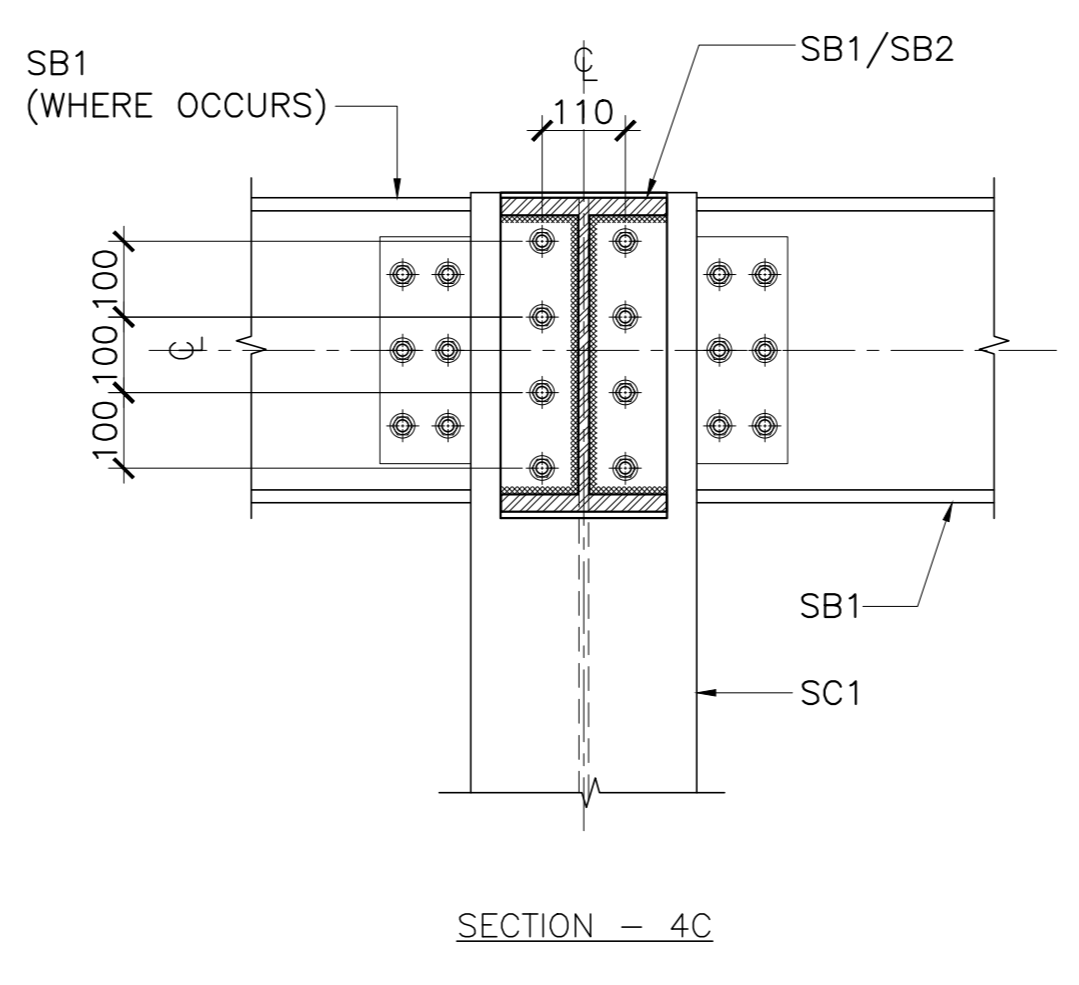
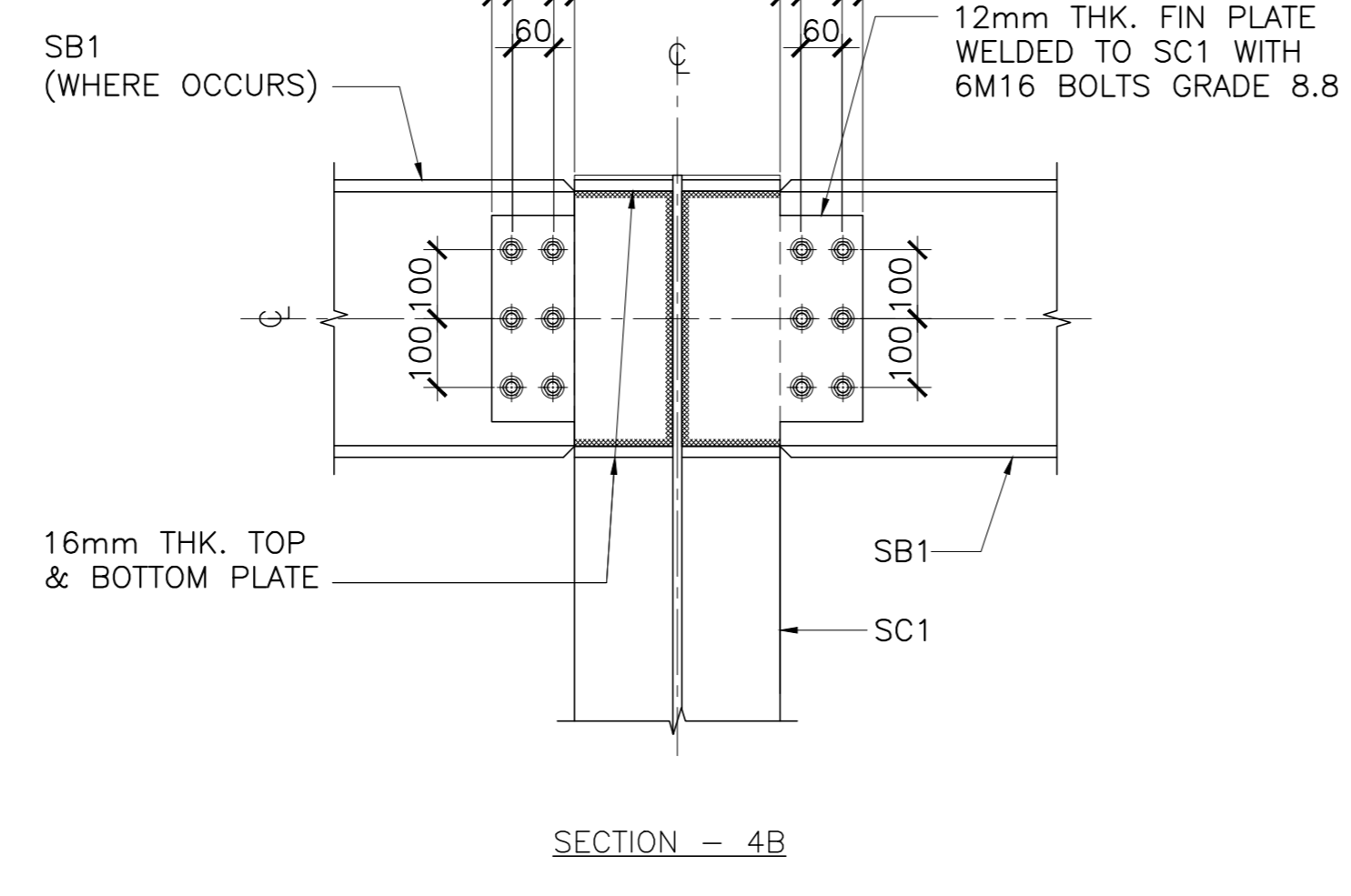
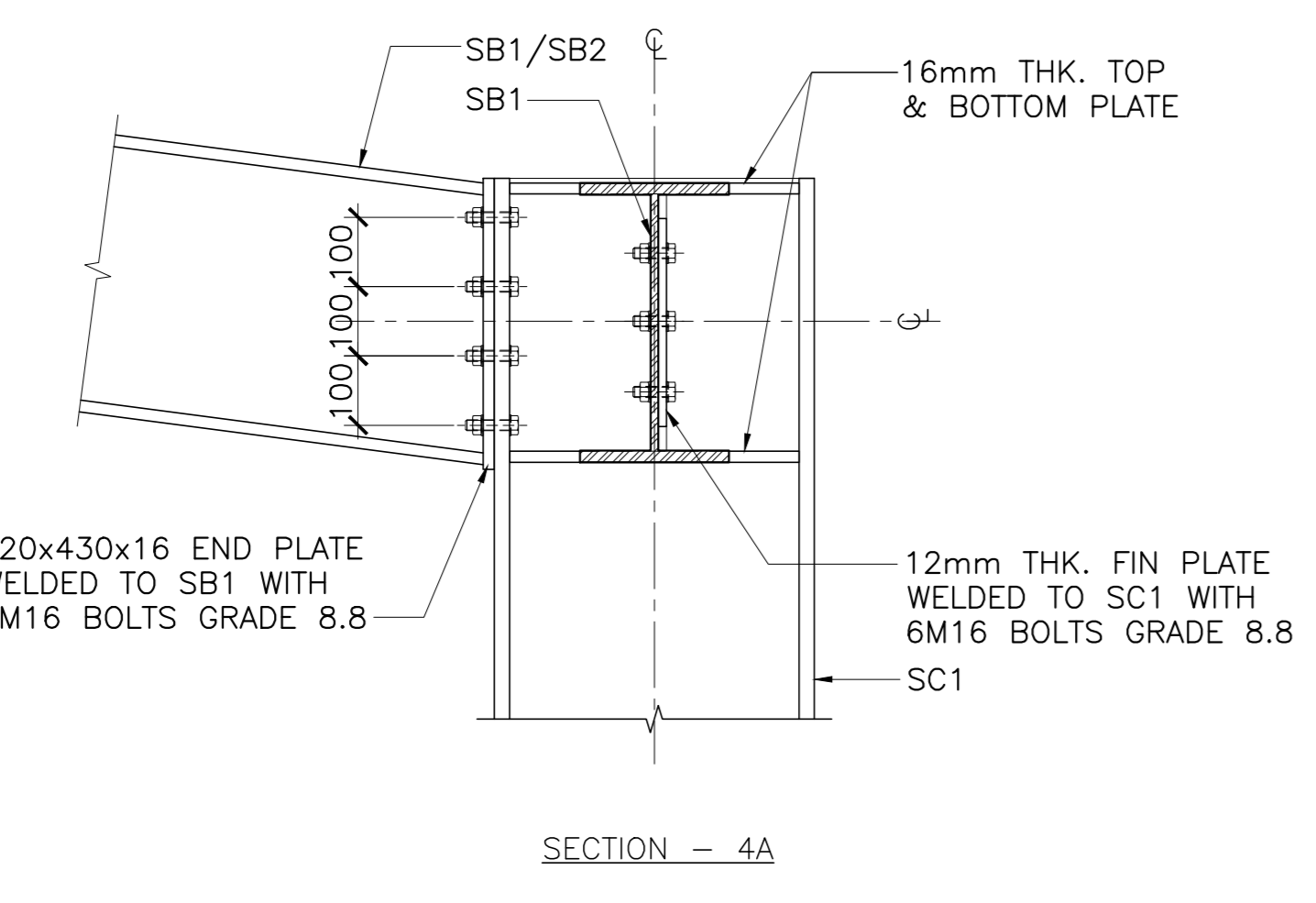
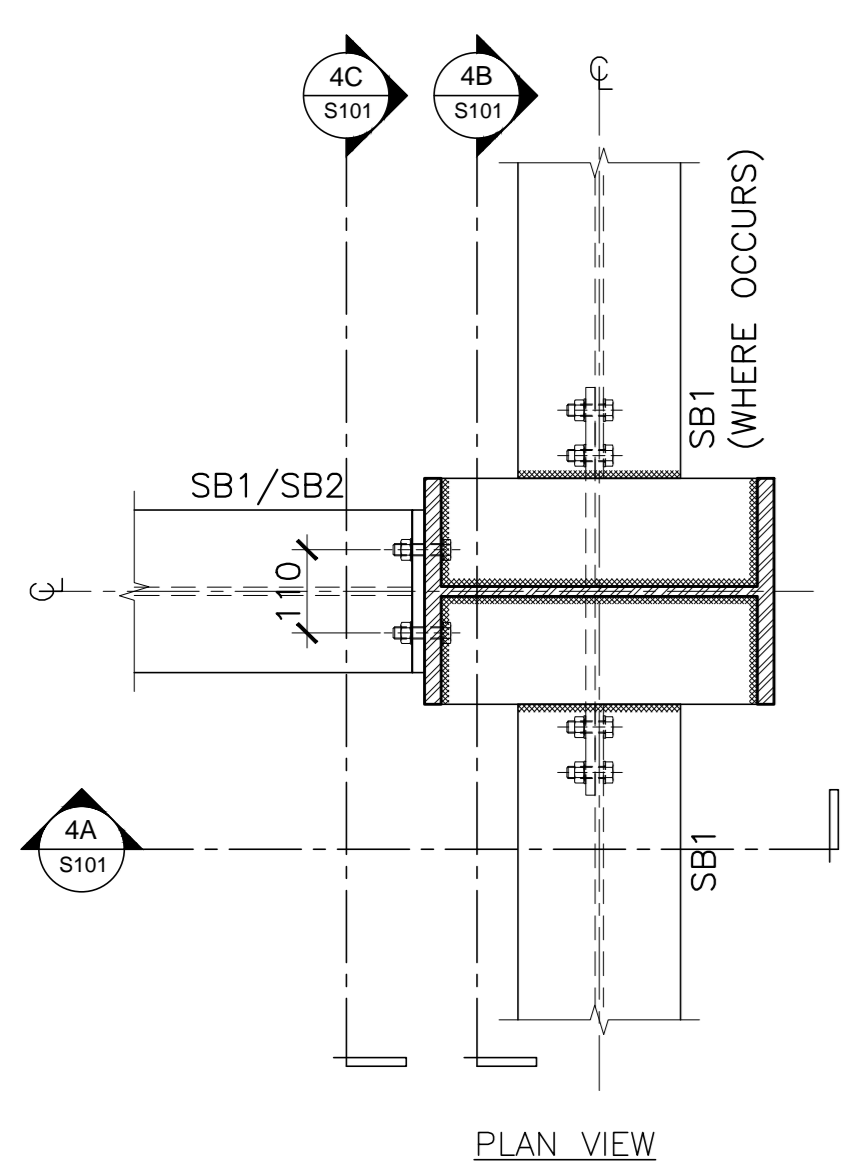
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7 BASE PLATE DETAIL
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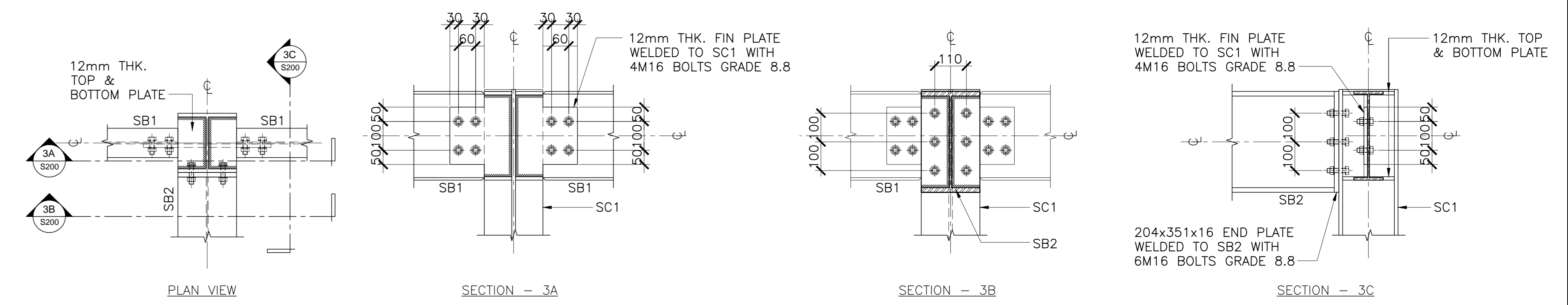
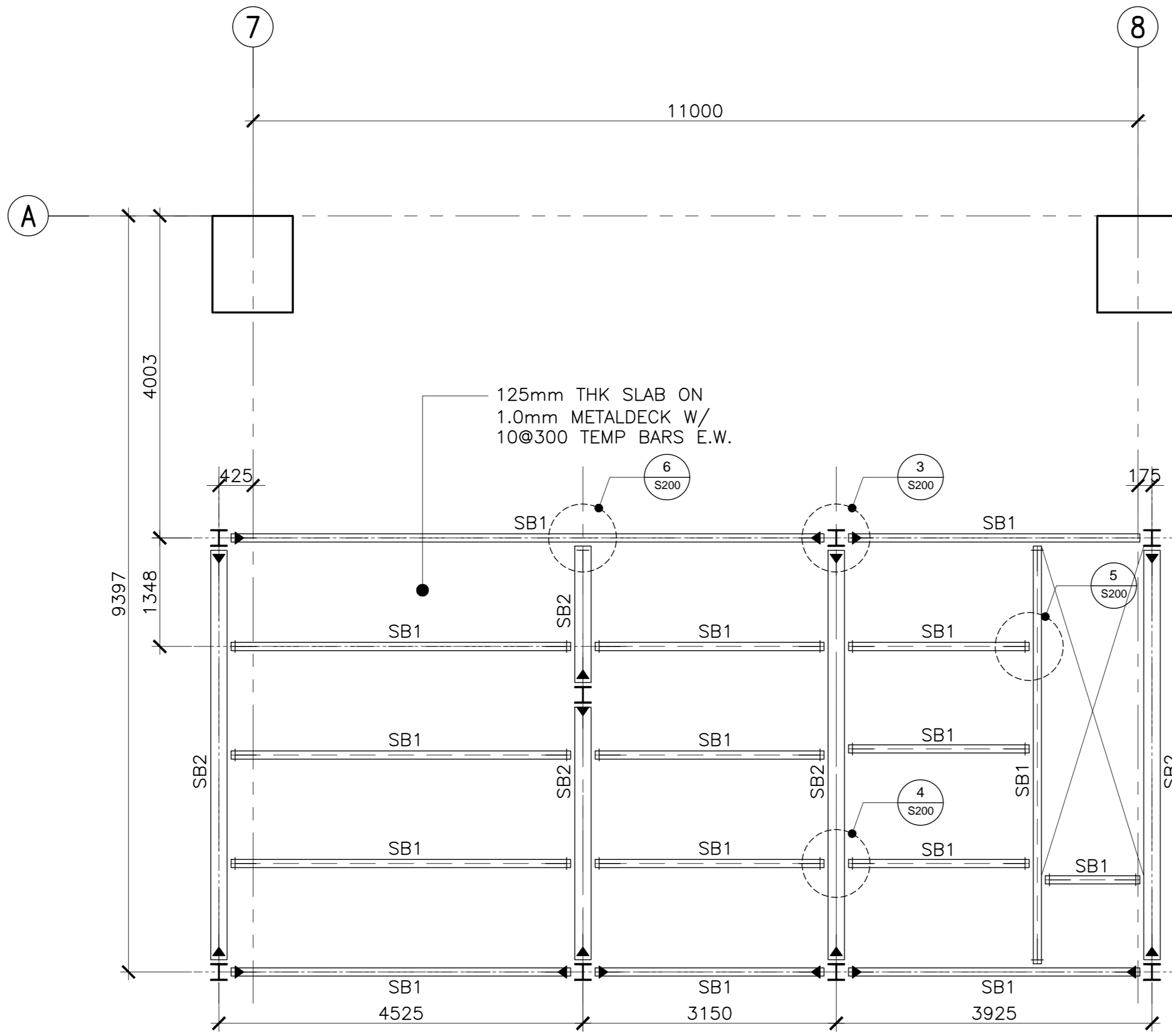
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		CONSULTANT:	CHECKED:	REVIEWED:	RECOMMENDING APPROVAL:	APPROVED:	PROJECT:	SHEET CONTENT:	DESIGNER:	REVISIONS:	SHEET NO.
		LOUIECHITO S. NIÑO CIVIL/STRUCTURAL ENGINEER PRG NO. 056274 DATE: AUG. 15, 1989 REG. NO. MCE-1525343 DATE: JAN. 13, 2023 PLACE: MANTALIPA CITY TEL NO. 102-804-743-008	JOSE MANUEL AGUINALDO PROJECT MANAGER III BUILDING & SPECIAL PROJECTS MANAGEMENT CLUSTER UNIFIED PROJECT MANAGEMENT OFFICE, DPWH	ATTY. JOHNSON V. DOMINGO DIRECTOR III BUILDING & SPECIAL PROJECTS MANAGEMENT CLUSTER UNIFIED PROJECT MANAGEMENT OFFICE, DPWH	REYNOR R. IMPERIAL PLANNING AND MANAGEMENT SERVICE CO-HEAD, PSA-BCOM	SOCRATES L. RAMORES DIRECTOR IV ASSISTANT NATIONAL STATISTICIAN FRANCE AND ADMINISTRATIVE SERVICE PSA-BCOM	LEO B. MALAGAR ASSISTANT SECRETARY DEPUTY NATIONAL STATISTICIAN CIVIL REGISTRATION & CENTRAL SUPPORT OFFICE	USEC. CLAIRE DENNIS S. MAPA, PH. D. NATIONAL STATISTICIAN AND CIVIL REGISTRAR GENERAL PHILIPPINE STATISTICS AUTHORITY	CONSTRUCTION OF FIT-OUT AND LANDSCAPE WORKS FOR THE TWENTY-THREE (23) STOREY PHILIPPINE STATISTICS AUTHORITY (PSA) OFFICE BUILDING WITH COVERED ROOF DECK LOCATION: PSA COMPLEX, EAST AVENUE, DILIMAN, QUEZON CITY	CONNECTION DETAILS DESIGNER: E. OLANAN CAD: AET / ADI CHECKED: RIB / AET DATE: MAY 2021	SYMBOL REMARK DATE

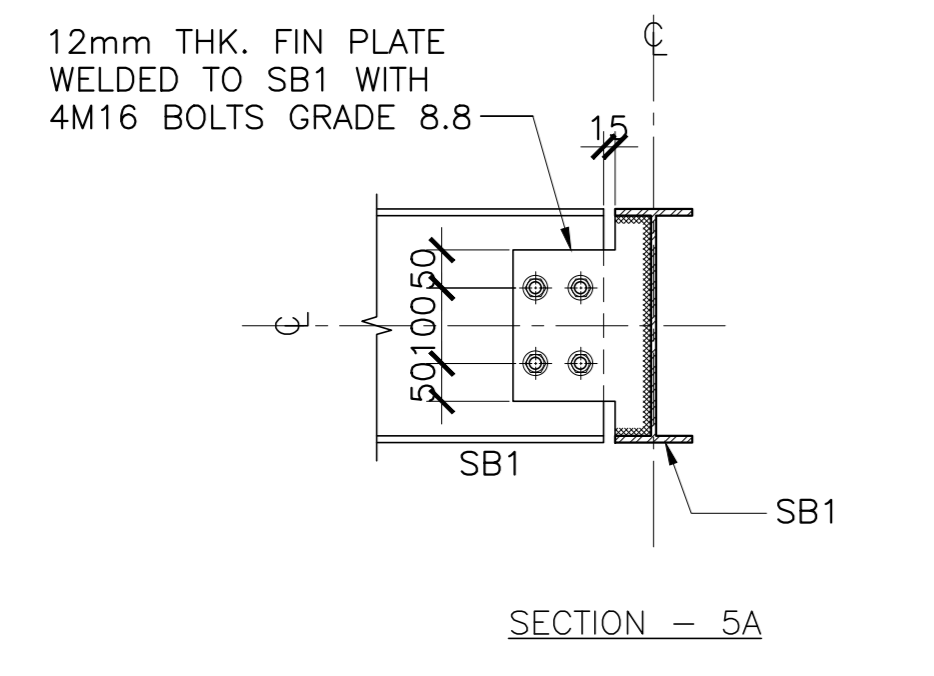
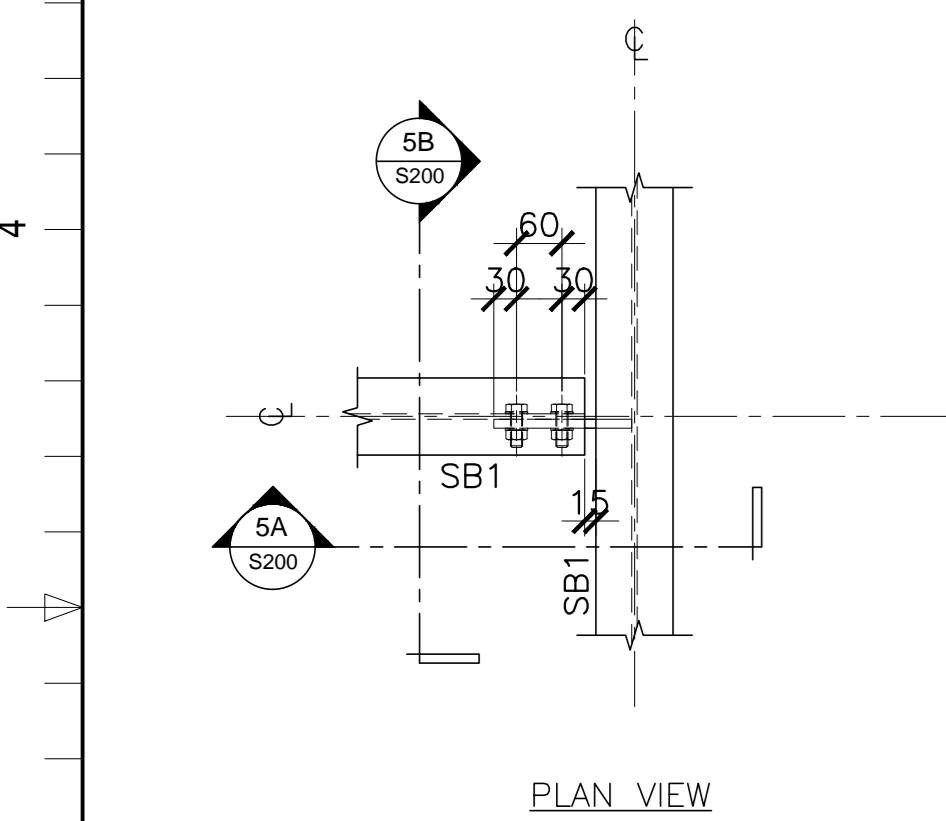
1 G/F - ARCH & ENGG UNIT FRAMING PLAN PLAN
S200 SCALE: 1:50M

2 G/F - BMS MEZZANINE FRAMING PLAN
S200 SCALE: 1:50M

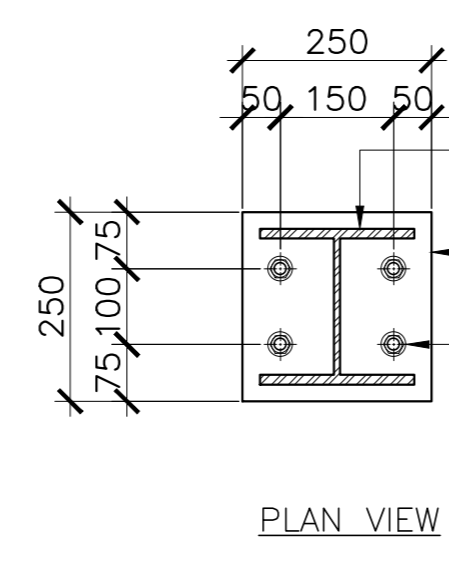
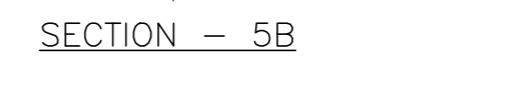
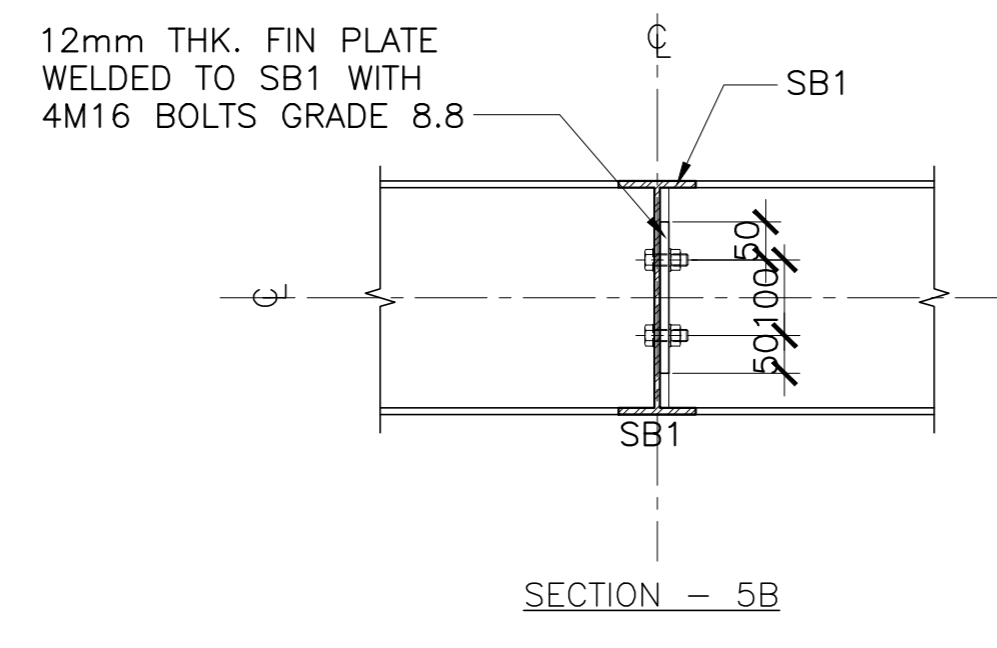


3 SB1 & SB2 TO SC1 CONNECTION DETAIL
S200 SCALE: 1:10M

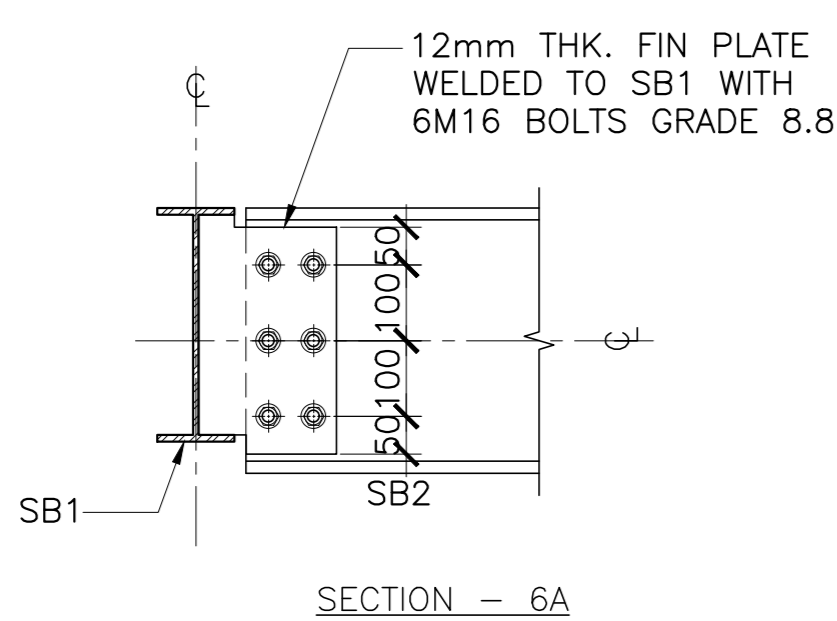
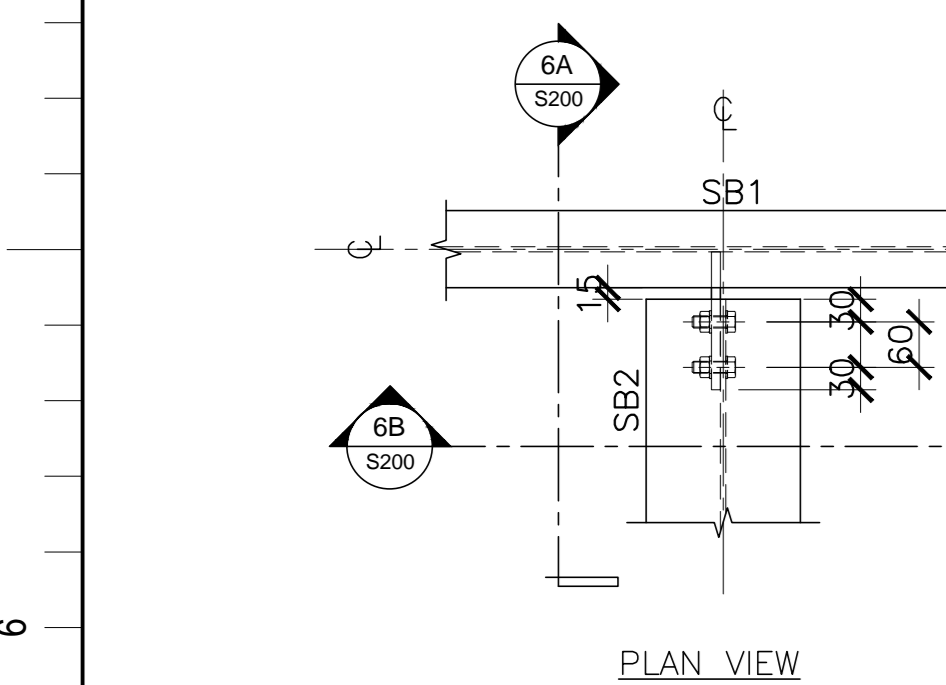
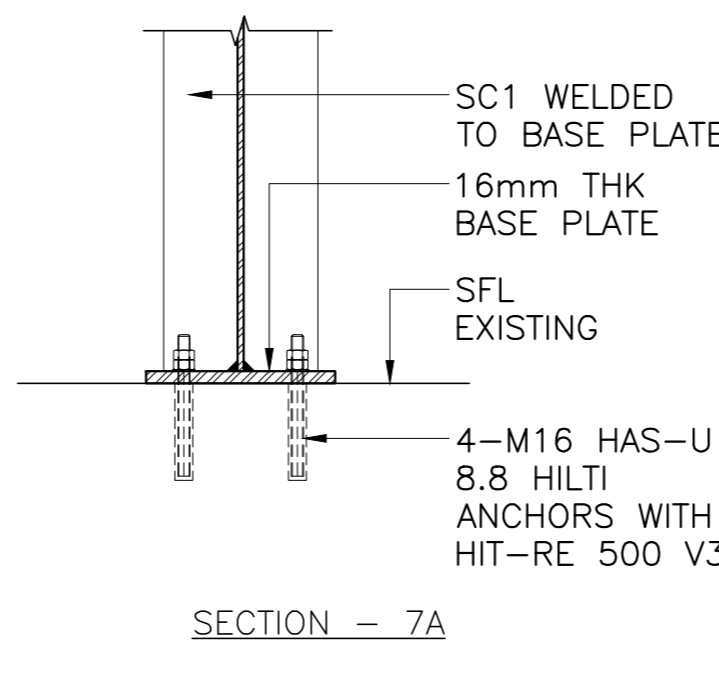
4 SB1 TO SB2 CONNECTION DETAIL
S200 SCALE: 1:10M



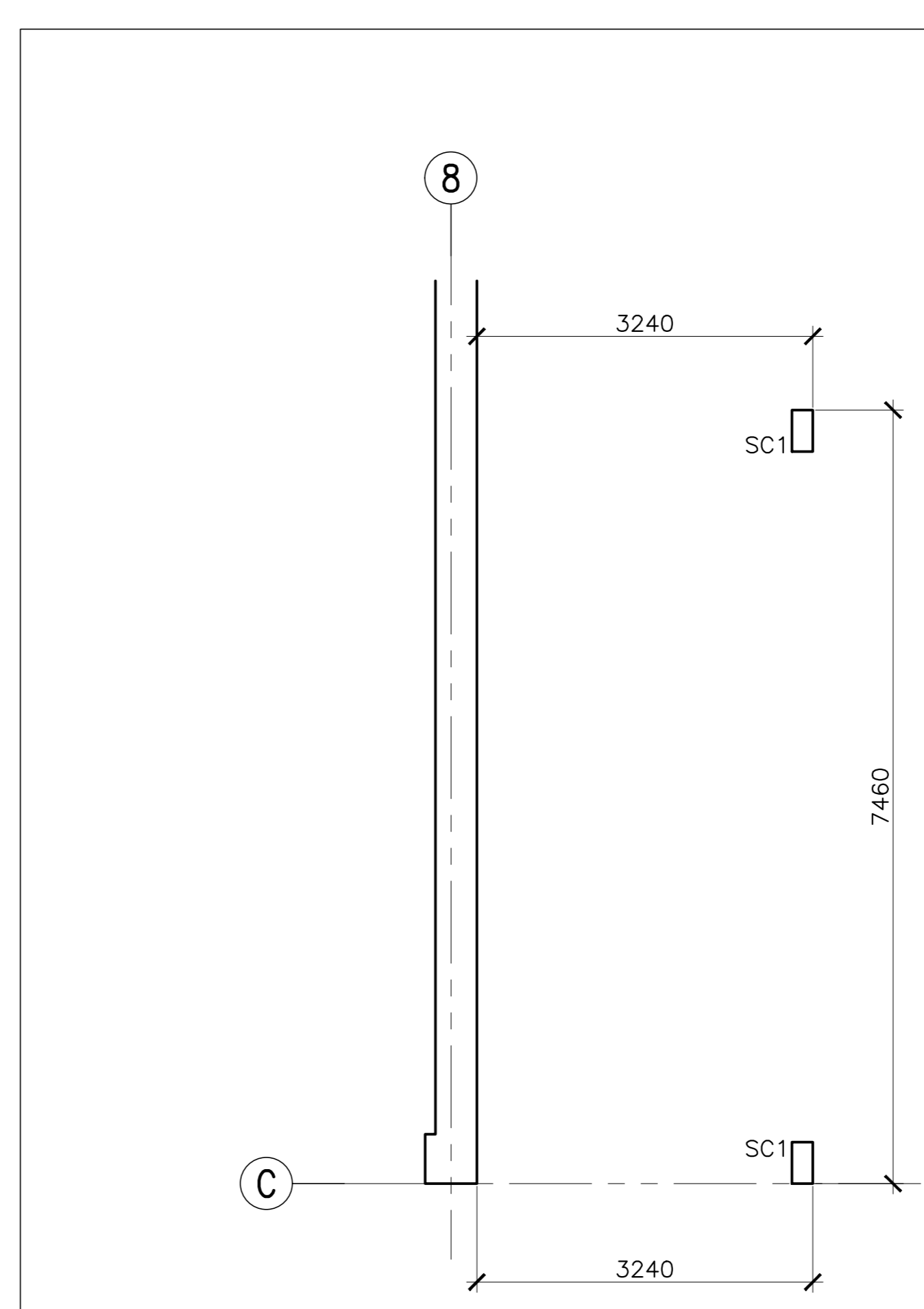
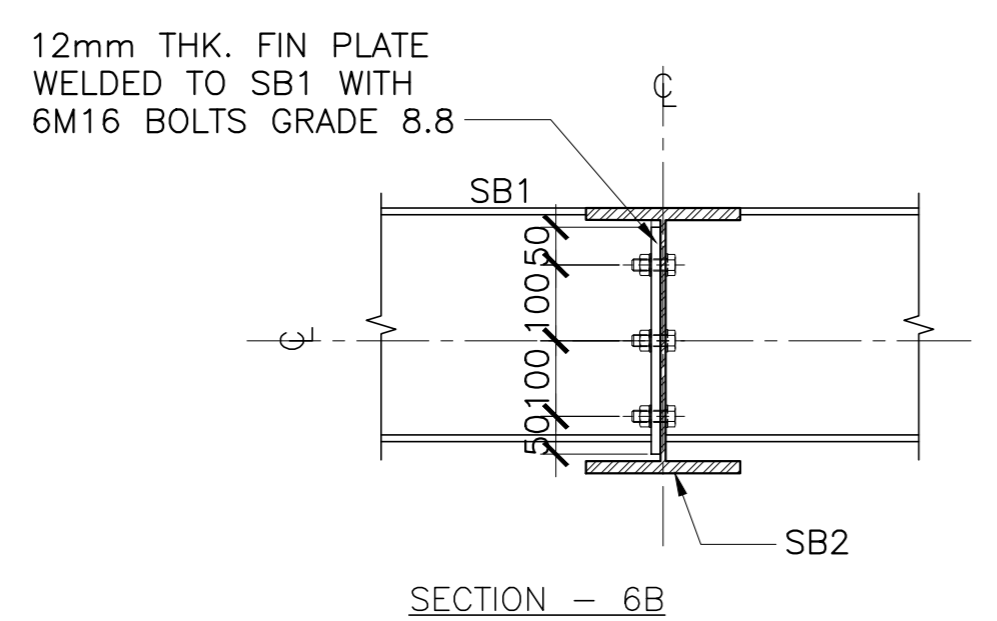
5 SB1 TO SB1 CONNECTION DETAIL
S200 SCALE: 1:10M



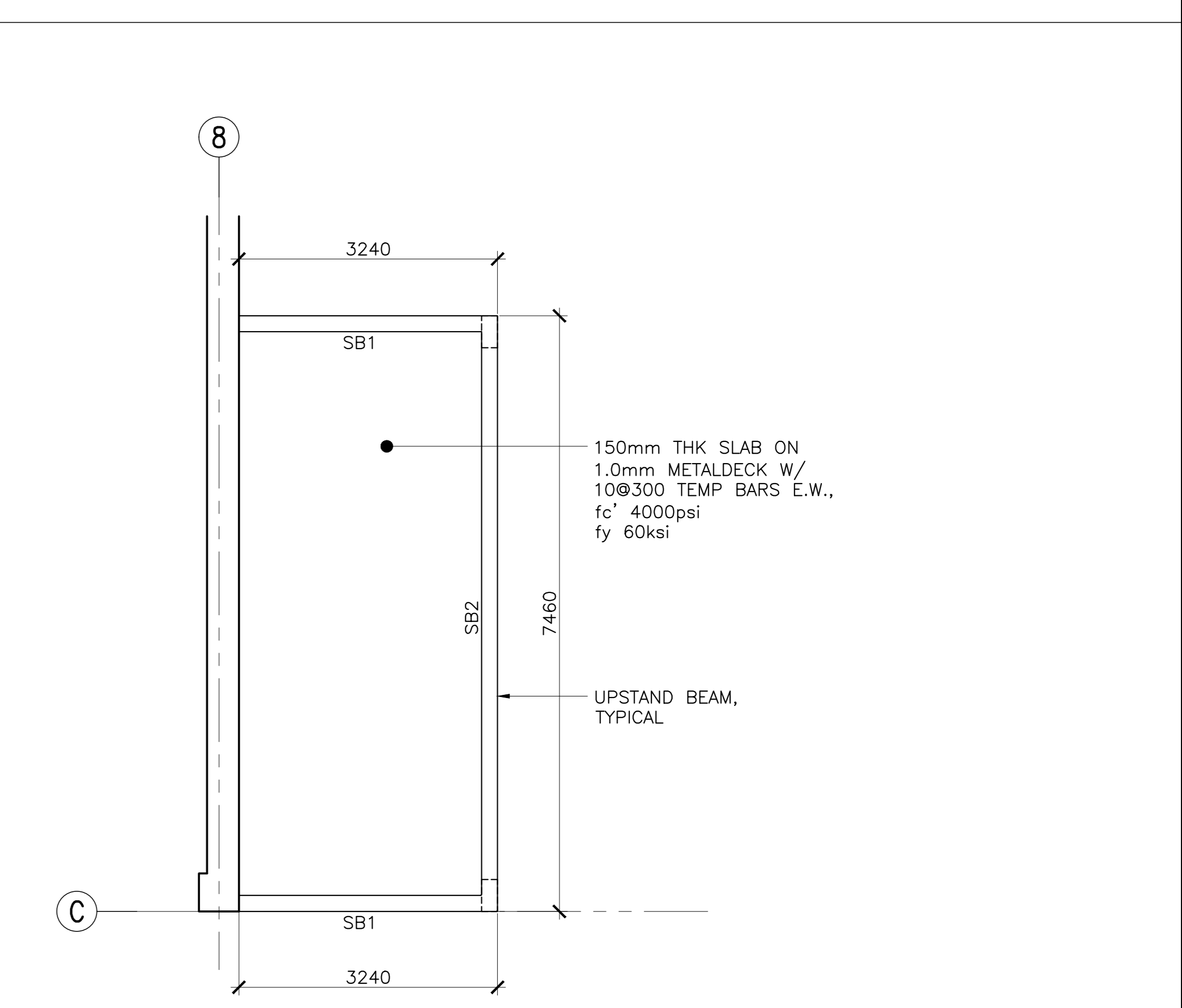
7 BASE PLATE DETAIL
S200 SCALE: 1:10M



6 SB2 TO SB1 CONNECTION DETAIL
S200 SCALE: 1:10M



8 RD ELECTRICAL PANEL ROOM FRAMING PLAN
S200 SCALE: 1:50M



9 RD ELECTRICAL PANEL ROOM ROOF FRAMING PLAN
S200 SCALE: 1:50M

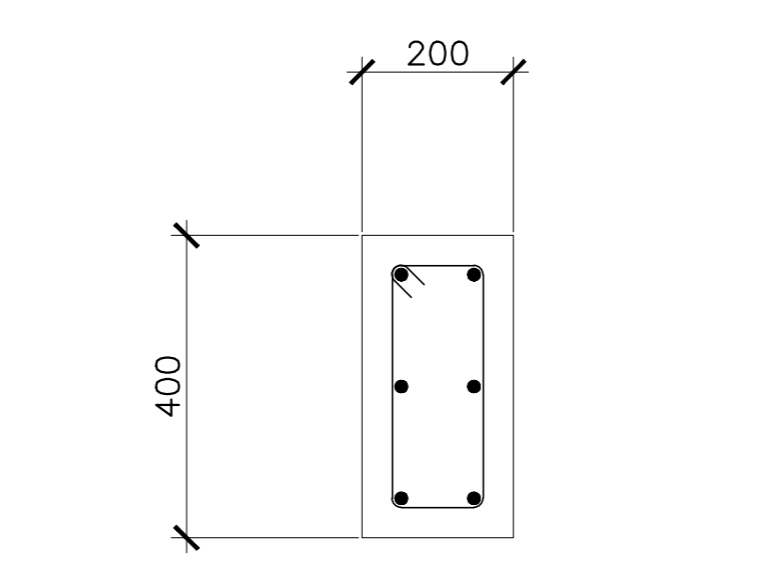
NOTE:
PURSUANT TO SECTION 4 OF ANNEX "A" OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9164, APPROVAL BY THE AUTHORIZED DPWH OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGN UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE ARCHITECT OR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGN NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.
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STEEL COLUMN / STEEL BEAM

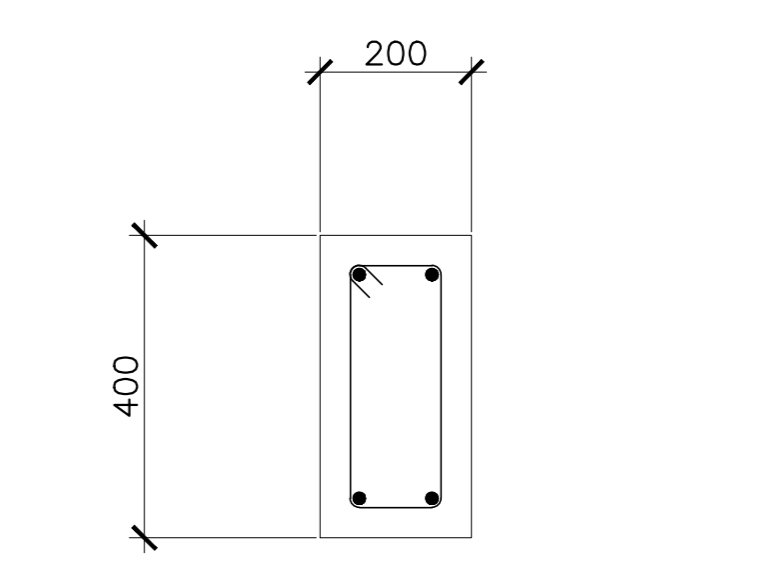
MARK/DESIGNATION	d	bf	tf	tw	REMARKS
SC1 (W8x35)	206	204	13	8	WIDE FLANGE
SB1 (W12x19)	309	102	9	7	WIDE FLANGE
SB2 (W14x48)	351	204	16	7	WIDE FLANGE

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10 RD ELECTRICAL PANEL ROOM COLUMN DETAIL (SC1)
S200 SCALE: 1:10M



11 RD ELECTRICAL PANEL ROOM BEAM DETAIL (SB1)
S200 SCALE: 1:10M



12 RD ELECTRICAL PANEL ROOM BEAM DETAIL (SB2)
S200 SCALE: 1:10M

