

TOP VIEW +40.74 T.O.C. - FORMWORK
PIANTA EL. +40.74 T.O.C. - CASSERATURE

REFERENCE DOCUMENTS / DOCUMENTI DI RIFERIMENTO	
IPR01-C5521-300-Q-TSD-0001	REF 1: Design Specification for Concrete Works
IPR01-C5521-000-Q-DQF-0001	REF 2: Anchor Bolts Standard
IPR01-C5521-000-Q-DOA-0001	REF 3: General Plot Plan
IPR01-C5521-961-Q-DQF-0016	REF 4: Foundations for Power Generators - Bar Bending List
IPR01-C5521-300-Q-TSD-0002	REF 5: Design Specification for Roads and Paved Areas
IPR01-C5521-970-Q-DOA-0001	REF 6: Ele./ Instr. Cables Distribution - General Layout and Typical Sections
IPR01-C5521-910-Q-DQR-0003	REF 7: Paved Areas - General Layout And Details
IPR01-C5521.1030-535-A-DA-0001_reva	REF 8: General Arrangement Emergency Genset IPR01-535-A-1001
IPR01-C5521.1030-535-A-DA-0002_reva	REF 9: General Arrangement Emergency Genset IPR01-535-A-2001 and IPR01-535-A-3001
IPR01-C5521.1050-380-M-DME-0002_reva	REF 10: Utility Tank and Vessels - Diesel Tank - General Arrangement Drawing
IPR01-C5521-900-Q-TSD-0001	REF 11: Specification for Earth Moving Works

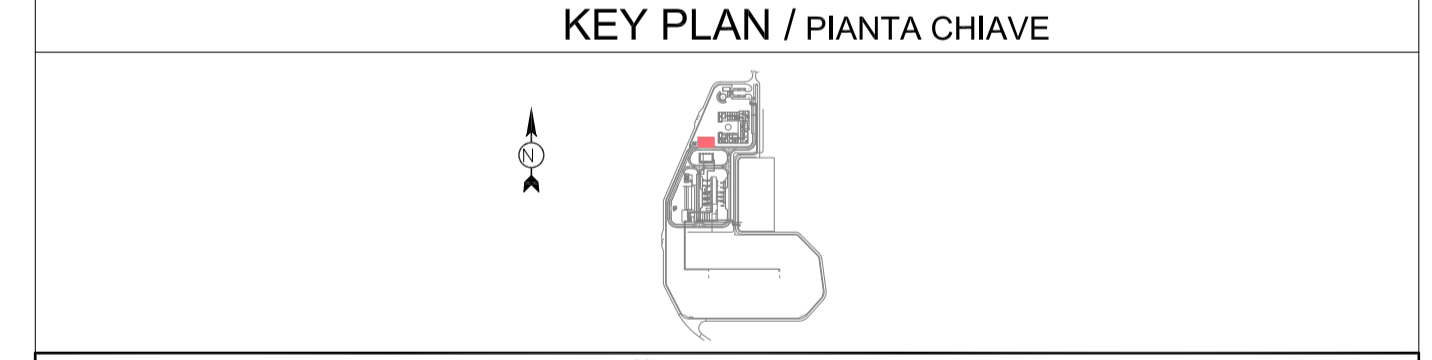
LEGEND / LEGENDA	
T.O.C. = TOP OF CONCRETE / ESTRADOSSO DEL CALCESTRUZZO	
○ = HOLD / DA DEFINIRE	
F.G.L. = FINISHED GROUND LEVEL / LIVELLO DEL TERRENO FINITO	
C.L. = CENTER LINE / ASSE CENTRALE	

- REMARKS / NOTE**
- ALL DIMENSIONS ARE IN mm. UNLESS OTHERWISE INDICATED. / TUTTE LE QUOTE SONO IN mm. SALVO DIVERSA INDICAZIONE.
 - COORDINATES ARE REFERRED TO LOCAL REFERENCE SYSTEM AND ARE EXPRESSED IN METER. H= 2000, R= 2000 CORRESPOND TO EAST 271472.209, NORTH 4461454.096 OF UTM SYSTEM ZONE 34. LE COORDINATE DELL'AREA SONO RIFERITE AL SISTEMA DI RIFERIMENTO LOCALE E SONO ESPRESSE IN METRI. H= 2000, R= 2000 CORRISPONDE A EST 271472.209, NORD 4461454.096 DEL SISTEMA UTM ZONA 34.
 - ALL ELEVATIONS ARE IN m. F.G.L. CORRESPONDS TO +40.50 m a.s.l./TUTTE LE ELEVAZIONI SONO IN m. F.G.L. CORRISPONDE A +40.50 m s.l.m.
 - ALL CONCRETE SURFACES IN CONTACT WITH SOIL BELOW GROUND LEVEL WILL BE PROTECTED BY A BITUMEN-BASED WATERPROOF COATING TYPE SIKAGOL-2 OR SIMILAR./TUTTE LE SUPERFICI IN CALCESTRUZZO IN CONTATTO CON IL TERRENO AL DI SOTTO DEL TERRENO SARANNO PROTETTE DA UN RIVESTIMENTO IMPERMEABILE A BASE DI BITUME TIPO SIKAGOL-2 O SIMILARE.
 - ALL THE EXPOSED EDGES WILL BE CHAMFERED AS SHOWN BELOW / TUTTI I BORDI ESPOSTI SARANNO SMUSSATI COME INDICATO SOTTO:
 - WHERE FOUNDATIONS CANNOT BE PLACED ON THE UNDISTURBED SOIL BACKFILLING UP TO FOUNDATION LEVEL WILL BE CARRIED OUT WITH SELECTED MATERIAL PROPERLY COMPACTED ACCORDING TO REF.11 OR WITH INCREASED THICKNESS OF LEAN CONCRETE. /DOVE LE FONDAZIONI NON POSSONO ESSERE POSTE SU TERRENO INDISTURBATO VERRANNO EFFETTUATI RINTERRI FINO AL LIVELLO DI FONDAZIONE CON MATERIALI SELEZIONATI E CORRETTAMENTE COMPATTATI IN ACCORDO AL REF.11 O CON UN INCREMENTO DELLO SPESORE DEL MAGRONE.
 - REFER TO REF.1 FOR CONSTRUCTION REQUIREMENTS OF CONCRETE WORKS./FARE RIFERIMENTO AL REF.1 PER I REQUISITI DI COSTRUZIONE DI TUTTE LE STRUTTURE IN CALCESTRUZZO.
 - GRADIENT OF SLOPES ARE INDICATIVE ONLY AND WILL BE DEFINED WITH REGARD TO THE TYPE OF SOIL ENCOUNTERED DURING EXCAVATION WORKS. / LA PENDENZA DELLE SCARPATE E' SOLO INDICATIVA E SARA' DEFINITA CON RIFERIMENTO AL TIPO DI TERRENO INCONTRATO DURANTE GLI SCAVI.
 - REGARDLESS OF THE SOLUTIONS SHOWN IN THIS DOCUMENT AND RELATED ESTIMATED QUANTITIES, CIVIL SUBCONTRACTOR SHALL REFER TO THE AGREED METHODS OF MEASUREMENT FOR THE FINAL CALCULATION OF EARTH MOVING QUANTITIES. INDEPENDENTEMENTE DALLE SOLUZIONI RIPORTATE NEL SEGUENTE DOCUMENTO E LE RELATIVE QUANTITA' STIMATE, IL SUBAPPALTATORE CIVILE DOVRA' FARE RIFERIMENTO AI METODI DI MISURA CONCORDATI PER IL CALCOLO DELLE QUANTITA' FINALI DI MOVIMENTI TERRA.
 - DIESEL GENERATORS AND DIESEL TANK WILL BE ANCHORED TO RC SLABS BY MEANS OF CHEMICAL OR MECHANICAL ANCHORS DESIGNED AND SUPPLIED BY VENDORS. / I GENERATORI DIESEL E IL SERBATOIO DIESEL SARANNO ANCORATI ALLE SOLETTE IN CA. MEDIANTE ANCORAGGI CHIMICI O MECCANICI PROGETTATI E FORNITI DAI FORNITORI.

CONCRETE / CALCESTRUZZO	
REFERENCE STANDARD / NORMATIVA DI RIFERIMENTO	NTC 14-01-2008, EN 206-1
STRUCTURAL CONCRETE GRADE / CLASSE DEL CLS STRUTTURALE	C 28/35
LEAN CONCRETE GRADE / CLASSE DEL MAGRONE	C 12/15
CEMENT TYPE / TIPO DI CEMENTO	CEM IV/B 32.5 o CEM III/B 42.5
MINIMUM CEMENT CONTENT (STRUCTURAL CONCRETE)	350 kg/m ³
CONTENUTO MINIMO DI CEMENTO (STRUTTURALE)	
MINIMUM CEMENT CONTENT (LEAN CONCRETE)	270 kg/m ³
CONTENUTO MINIMO DI CEMENTO (MAGRONE)	
EXPOSURE CLASS / CLASSE DI ESPOSIZIONE	XC2 (FOR FOUNDATIONS) XC3 (FOR RISING STRUCTURES) S3 (100 - 150 mm) FOR HORIZONTAL STRUCTURES S4 (160 - 200 mm) FOR VERTICAL STRUCTURES
PROPOSED SLUMP CLASS / CLASSE DI SLUMP PROPOSTA	
WATER SHALL COMPLY WITH REQUIREMENTS OF EN 1008 / L'ACQUA DEVE SODDISFARE LE RICHIESTE DELLA EN 1008	

REINFORCEMENT STEEL / BARRE DI ARMATURA	
REFERENCE STANDARD / NORMATIVA DI RIFERIMENTO	NTC 14-01-2008, ENV 1992-1-1 (EC2)
STEEL BARS / BARRE DI ACCIAIO	B450C

MINIMUM BAR COVER / COPRIFERRO MINIMO	
FOR ALL SURFACES / PER OGNI SUPERFICIE	40 mm

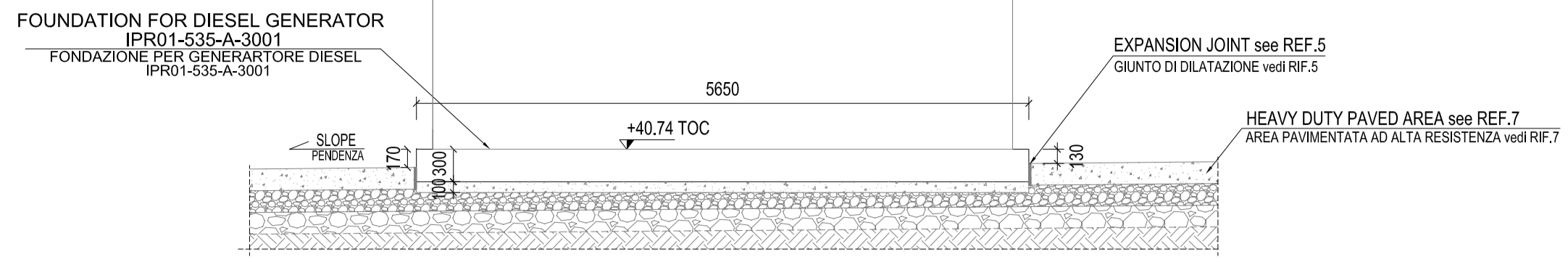


CONTRACTOR DOCUMENT NUMBER / N. DOCUMENTO APPALTATORE	REVISION NO. / REVISIONE N.
7900-CH-000180	0

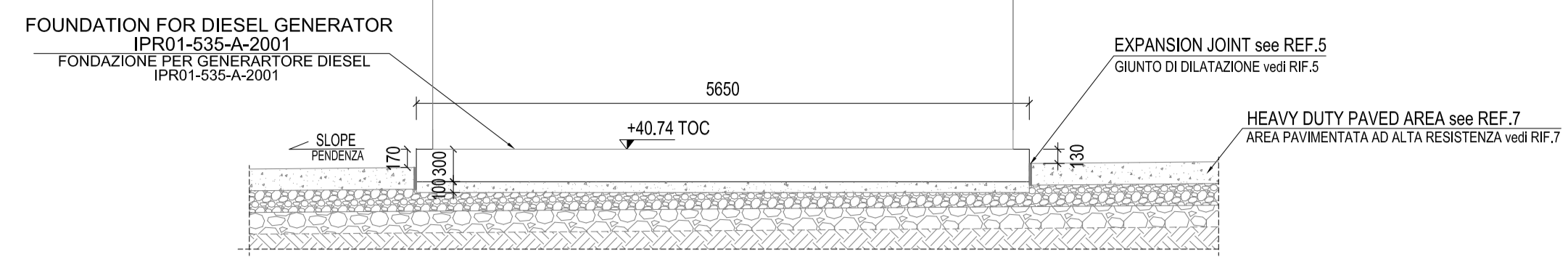
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A	ISSUED FOR REVIEW	PMB	LEVANTINI	PIROMALLI	01-06-2017

PROJECT TITLE / TITOLO PROGETTO	TRANS ADRIATIC PIPELINE / GASDOTTO TRANS ADRIATICO				TAG NUMBERS / SIGLA
DRAWING TITLE / TITOLO DISEGNO	FOUNDATIONS FOR POWER GENERATORS / FORMWORK AND REINFORCEMENT / FONDAZIONI PER GENERATORI ELETTRICI - CASSERI ED ARMATURE				

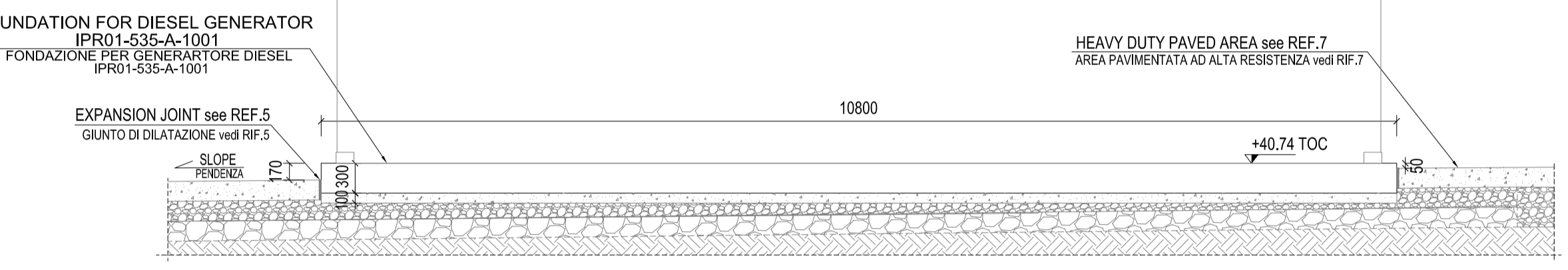
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DRAWING NO. / DISEGNO N.						IPR01-C5521-961-Q-DQF-0015-01



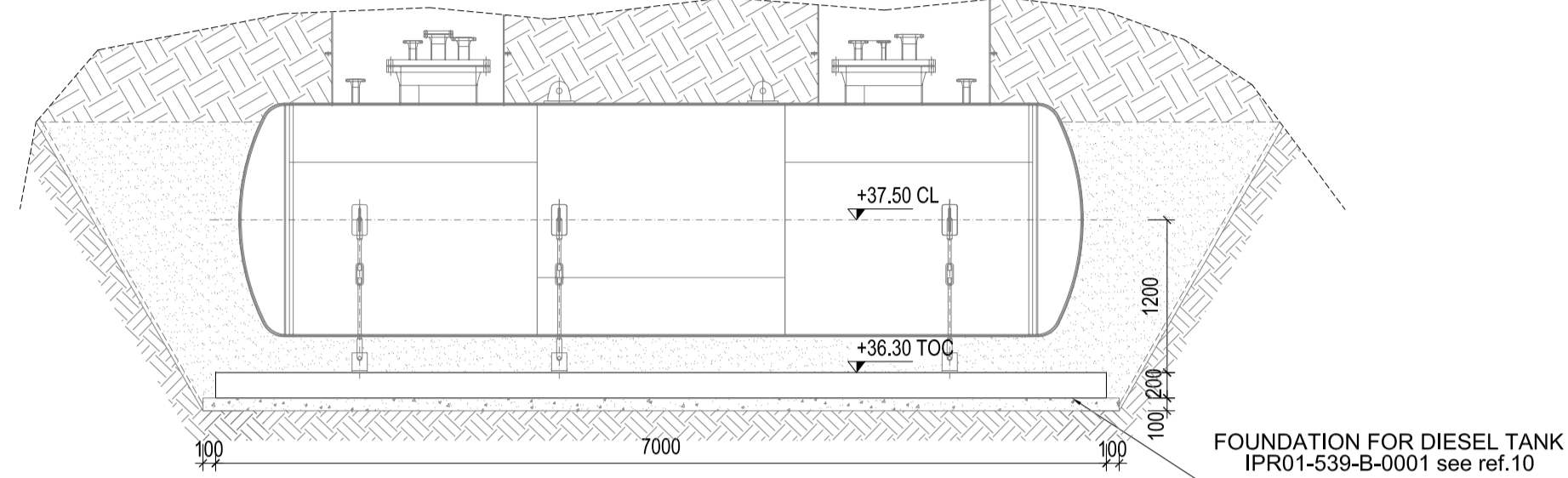
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SEZIONE A-A - CASSERATURE



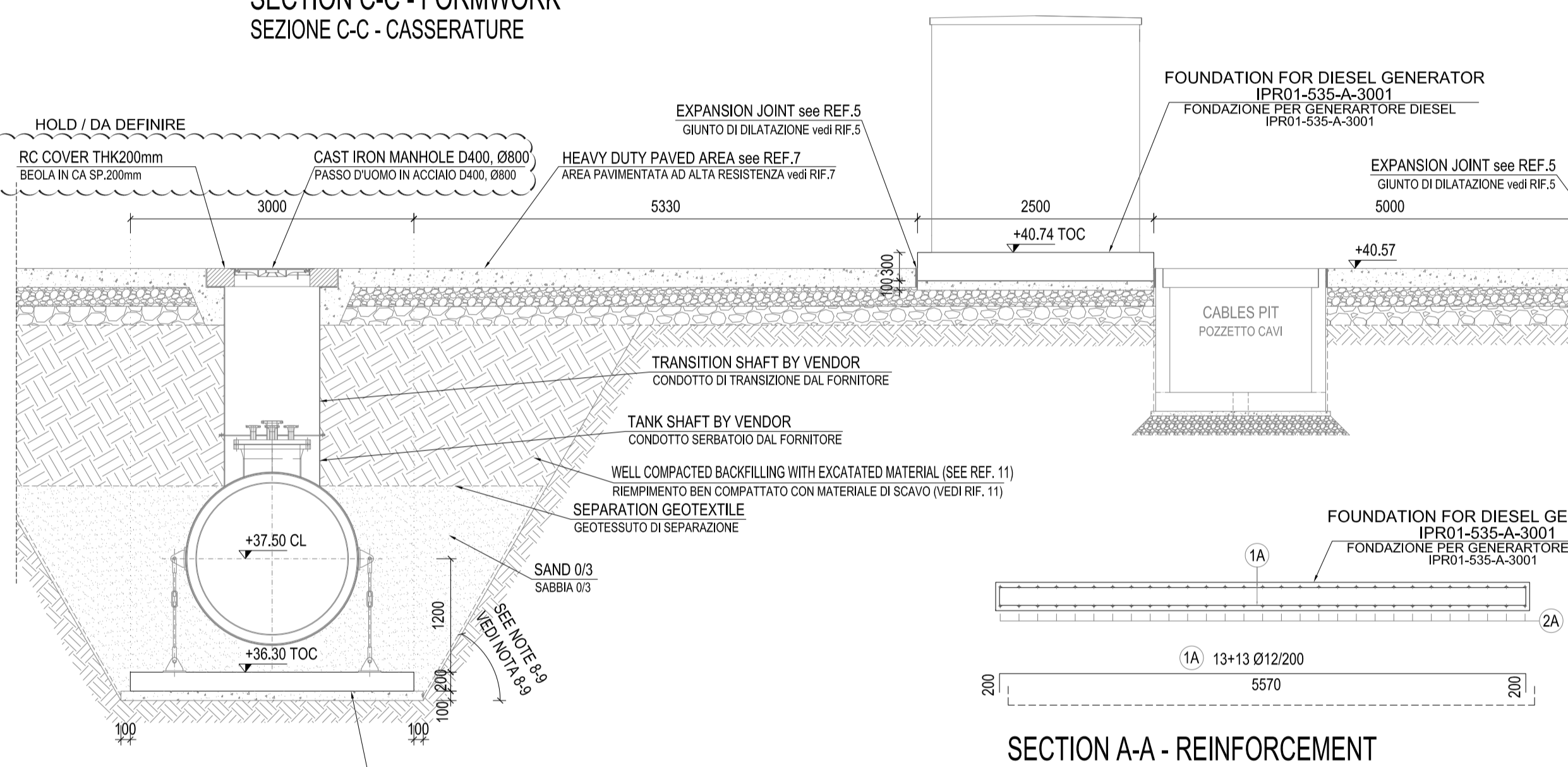
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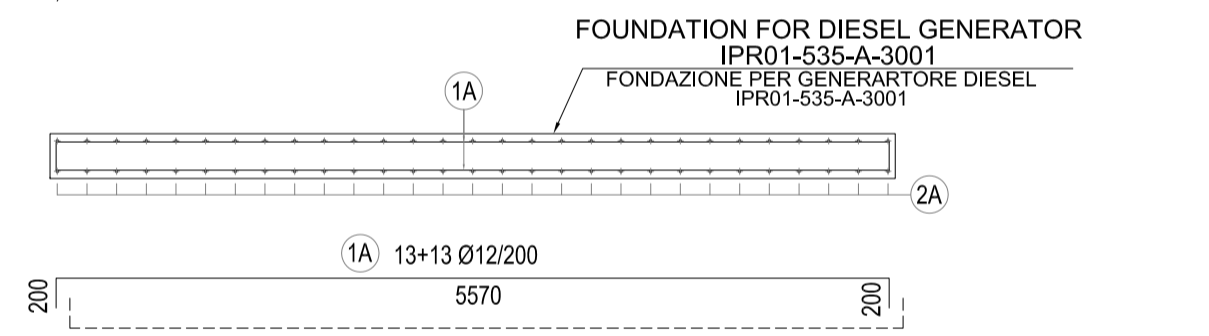
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SEZIONE C-C - CASSERATURE



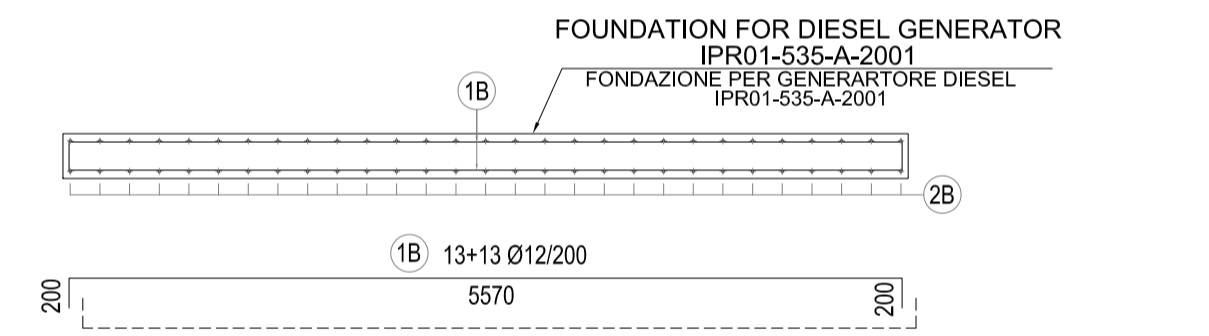
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SEZIONE D-D - CASSERATURE



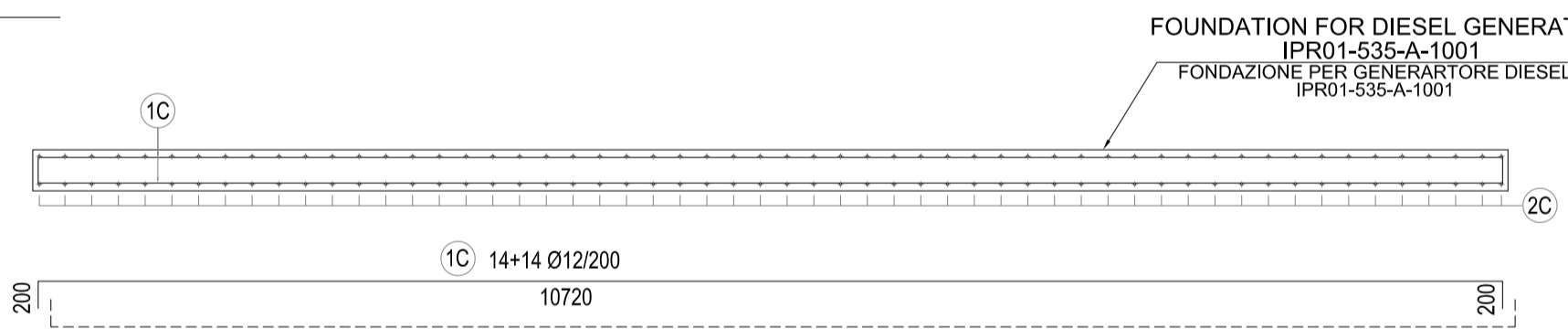
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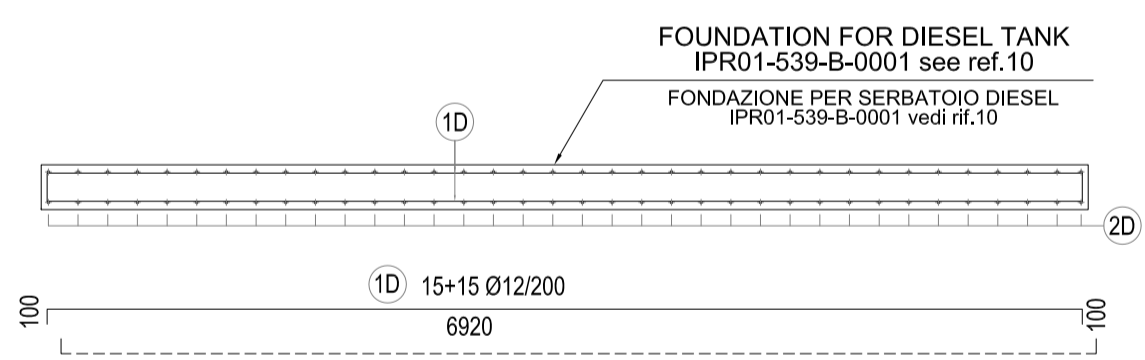
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SEZIONE A-A - ARMATURA



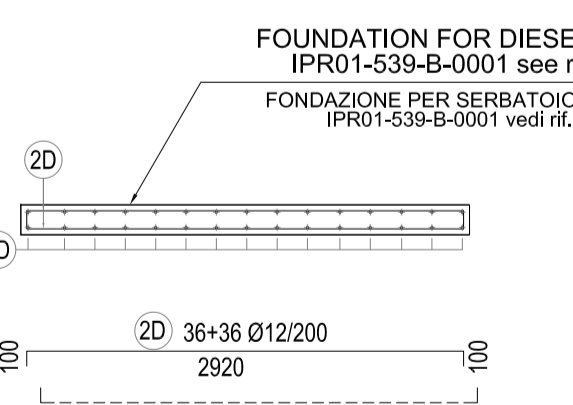
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SEZIONE B-B - ARMATURA



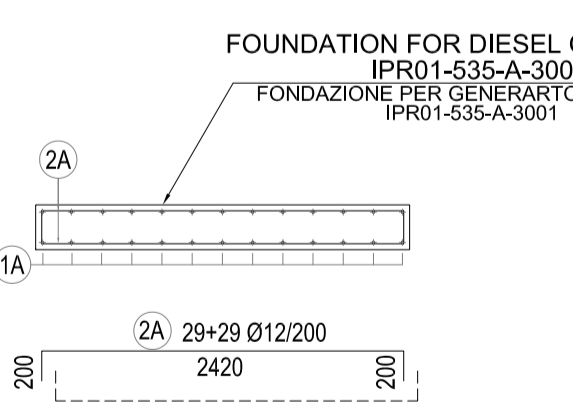
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SEZIONE C-C - ARMATURA



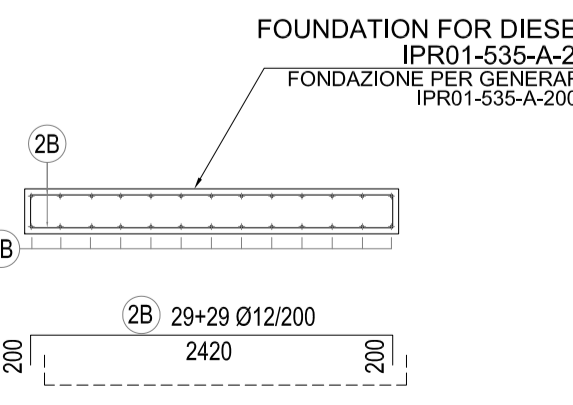
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SEZIONE D-D - ARMATURA



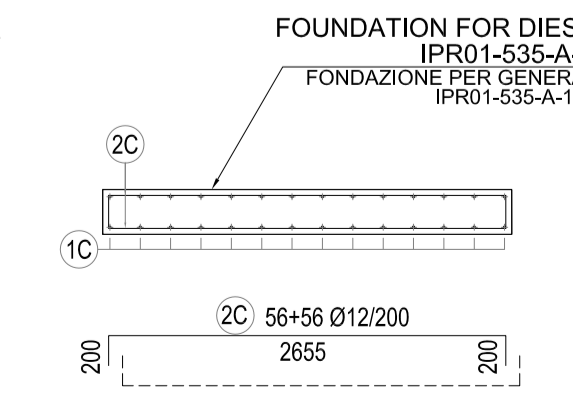
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SEZIONE E'-E' - ARMATURA



SECTION E''-E'' - REINFORCEMENT
SEZIONE E''-E'' - ARMATURA



SECTION E'''-E''' - REINFORCEMENT
SEZIONE E'''-E''' - ARMATURA



SECTION E''''-E'''' - REINFORCEMENT
SEZIONE E''''-E'''' - ARMATURA

	FOUNDATION FOR DIESEL GENERATOR IPR01-535-A-2001	FOUNDATION FOR DIESEL GENERATOR IPR01-535-A-3001	FOUNDATION FOR DIESEL GENERATOR IPR01-535-A-1001	FOUNDATION FOR DIESEL TANK IPR01-539-B-0001 see ref.10	TOT.
STRUCTURAL CONCRETE CALCESTRUZZO STRUTTURALE	4.24 m³	4.24 m³	8.86 m³	4.20 m³	21.54 m³
LEAN CONCRETE MAGRONE	1.41 m³	1.41 m³	2.95 m³	2.30 m³	8.07 m³
BITUMINOUS COATING RIVESTIMENTO BITUMINOSO	4.89 m²	4.89 m²	8.12 m²	6.00 m²	23.90 m²
FORMWORK CASSERATURA	4.89 m²	4.89 m²	8.12 m²	6.00 m²	23.90 m²
REINFORCEMENT ARMATURA	279.44 kg	279.44 kg	574.24 kg	384.73 kg	1517.85 kg
SAND 0/3 SABBIA 0/3	/	/	/	56.00 m³	56.00 m³
SEPARATION GEOTEXTILE GEOTESSUTO DI SEPARAZIONE	/	/	/	47.00 m²	100.00 m²

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LEGEND / LEGENDA

- T.O.C. = TOP OF CONCRETE / ESTRADOSSO DEL CALCESTRUZZO
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CONCRETE / CALCESTRUZZO

REFERENCE STANDARD / NORMATIVA DI RIFERIMENTO	NTC 14-01-2008, EN 206-1
STRUCTURAL CONCRETE GRADE / CLASSE DEL CLS STRUTTURALE	C 28/35
LEAN CONCRETE GRADE / CLASSE DEL MAGRONE	C 12/15
CEMENT TYPE / TIPO DI CEMENTO	CEM N/B 32.5 or CEM II/B-M 42.5
MINIMUM CEMENT CONTENT (STRUCTURAL CONCRETE)	350 kg/m³
MINIMUM CEMENT CONTENT (LEAN CONCRETE)	270 kg/m³
CONTENTO MINIMO DI CEMENTO (MAGRONE)	
EXPOSURE CLASS / CLASSE DI ESPOSIZIONE	XC2 (FOR FOUNDATIONS) XC3 (FOR RISING STRUCTURES) S3 (100 - 150 mm) FOR HORIZONTAL STRUCTURES S4 (160 - 200 mm) FOR VERTICAL STRUCTURES
PROPOSED SLUMP CLASS / CLASSE DI SLUMP PROPOSTA	

WATER SHALL COMPLY WITH REQUIREMENTS OF EN 1008 / L'ACQUA DEVE SODDISFARE LE RICHIESTE DELLA EN 1008

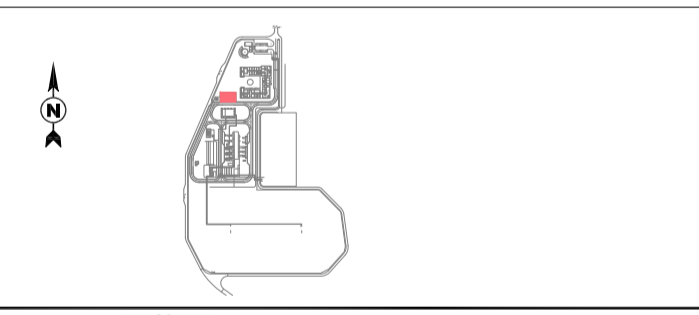
REINFORCEMENT STEEL / BARRE DI ARMATURA

REFERENCE STANDARD / NORMATIVA DI RIFERIMENTO	NTC 14-01-2008, ENV 1992-1-1 (EC2)
STEEL BARS / BARRE DI ACCIAIO	B450C

MINIMUM BAR COVER / COPRIFERRO MINIMO

FOR ALL SURFACES / PER OGNI SUPERFICIE 40 mm

KEY PLAN / PIANTA CHIAVE



CONTRACTOR DOCUMENT NUMBER / N. DOCUMENTO APPALTATORE: 7900-CH-000180

REVISION NO. / REVISIONE N.: 0

PROJECT TITLE / TITOLO PROGETTO: TRANS ADRIATIC PIPELINE GASDOTTO TRANS ADRIATICO

DRAWING TITLE / TITOLO DISEGNO: FOUNDATIONS FOR POWER GENERATORS FORMWORK AND REINFORCEMENT

FORMAT / FORMATO: A1

SCALE / Scala: 1:50

FACILITY CODE / COD. IMPIANTO: IPR01

SYSTEM NO. / SISTEMA N.: 961

SHEET / FOGLIO: 2 of 2

RD CODE / CODICE RD: -

REVISION NO. / REVISIONE N.: 0

DRAWING NO. / DISEGNO N.: IPR01-C5521-961-Q-DQF-0015-01