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National Center for Mental Health

Nueve de Pebrero Street, Baranggay Mauway, Mandaluyong City

REPUBLIC OF THE PHILIPPINES
Department Of Health

PROJECT TITLE/LOCATION:

REVIEWED:

RECOMMENDING APPROVAL

SHEET CONTENT:

CONSTRUCTION OF OUTPATIENT DEPARTMENT & FRONTLINE SERVICES BUILDING AT NCMH-CAMARIN EXTENSION

EVELYN T. PURINO, CE, MMH0A SAO, Chief, Planning & Development Section

DIONICIO A. TOLENTINO, MPA Chief Finance Service, HFEP Coordinator

NOEL V. REYES, MD, FPPA, MMHoA Medical Center Chief II

PERSPECTIVES
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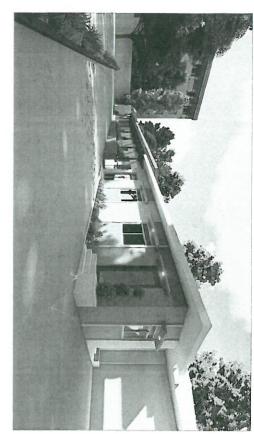






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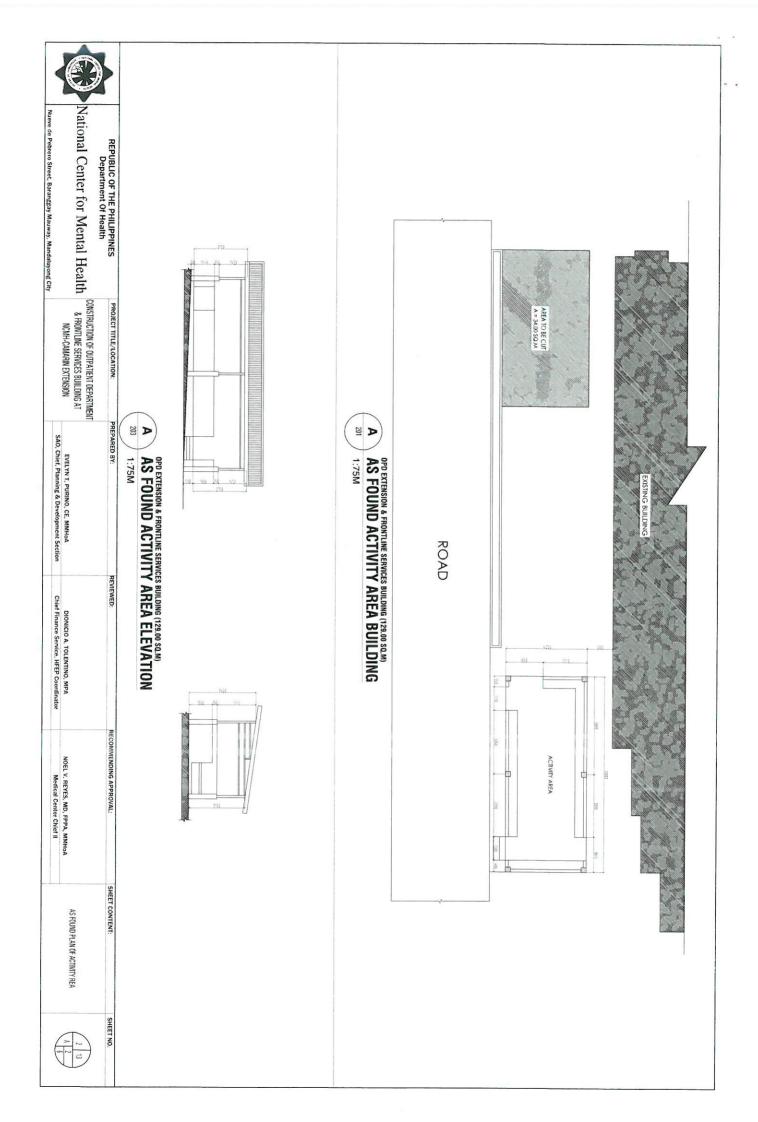
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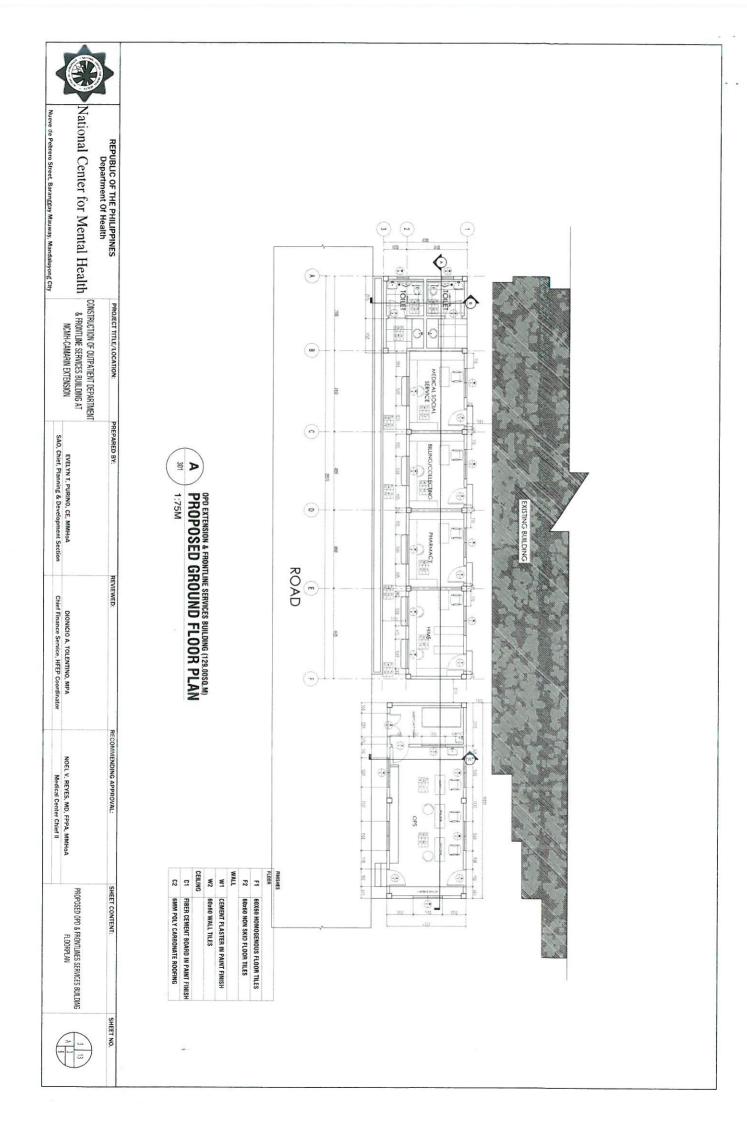
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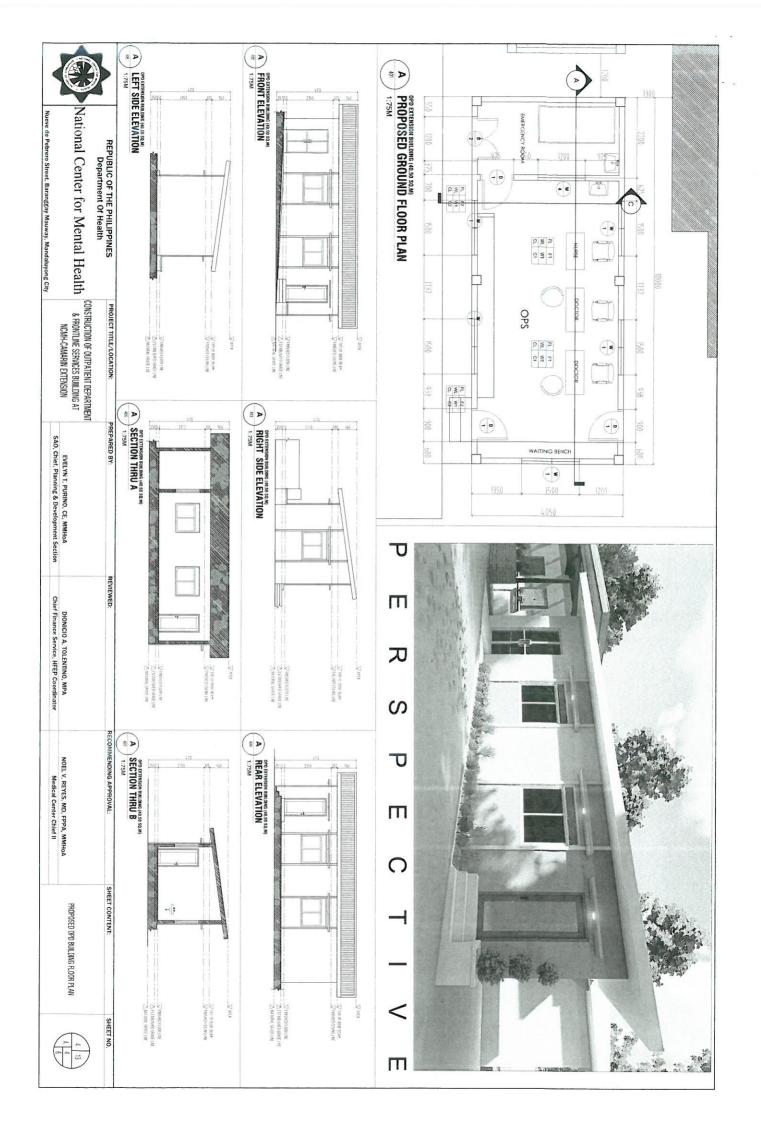
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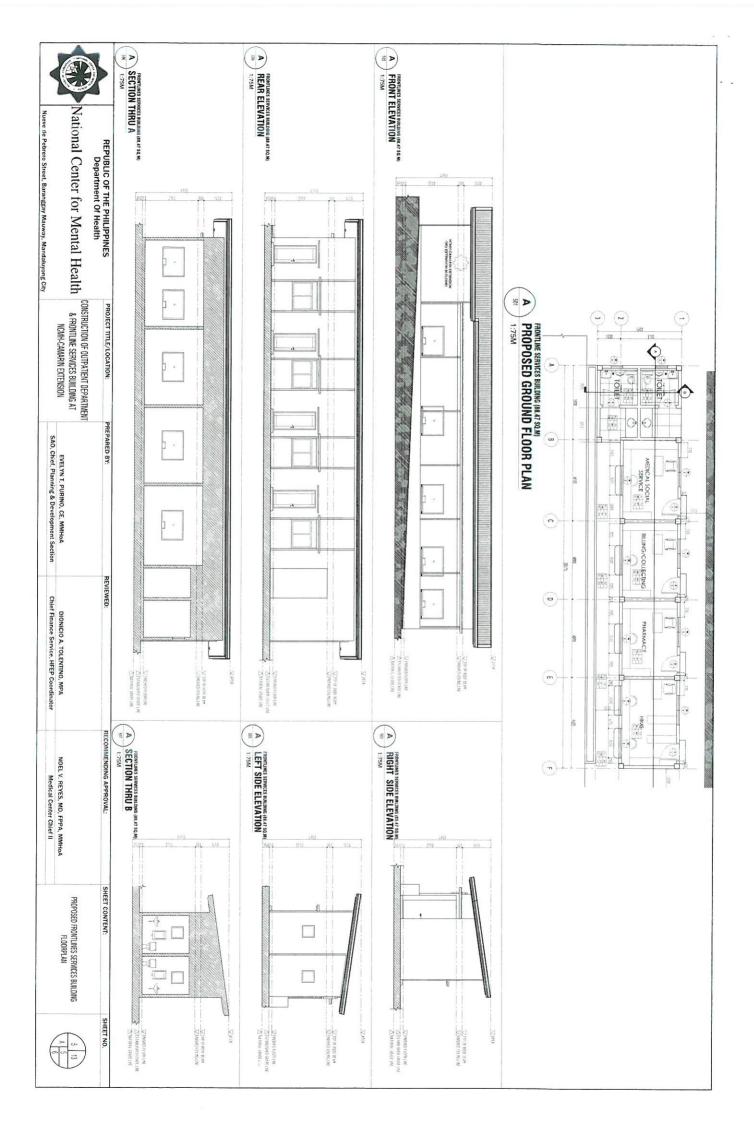
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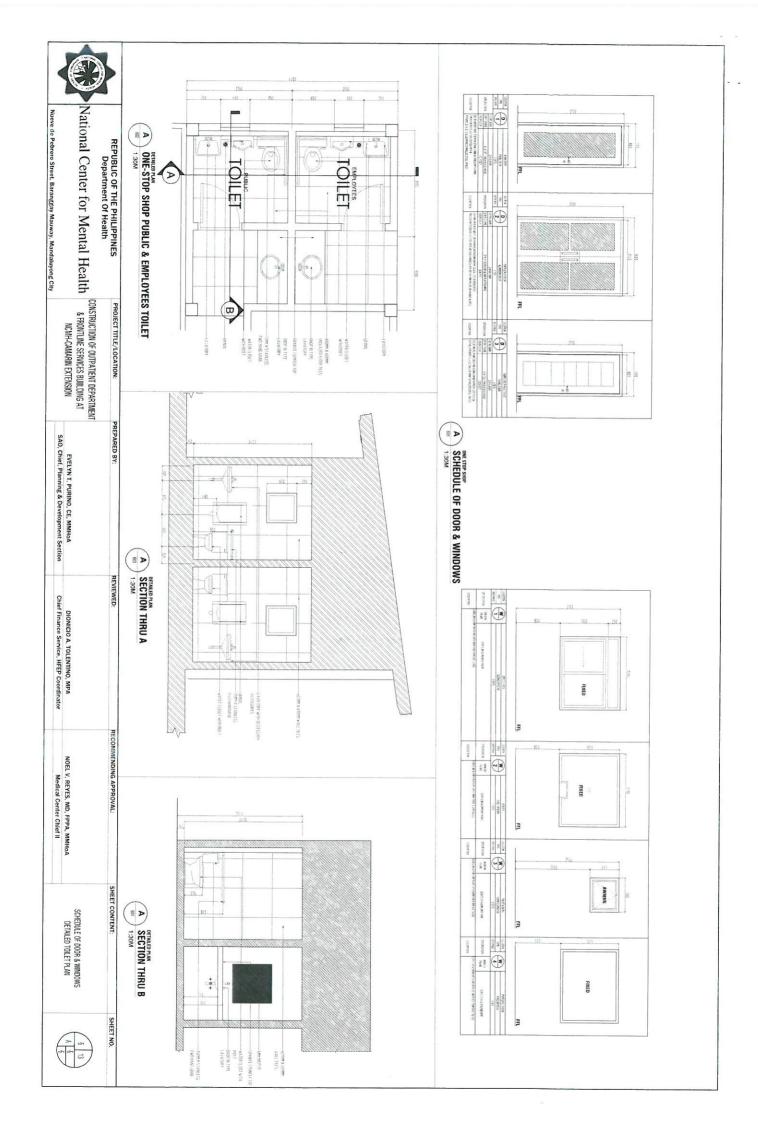
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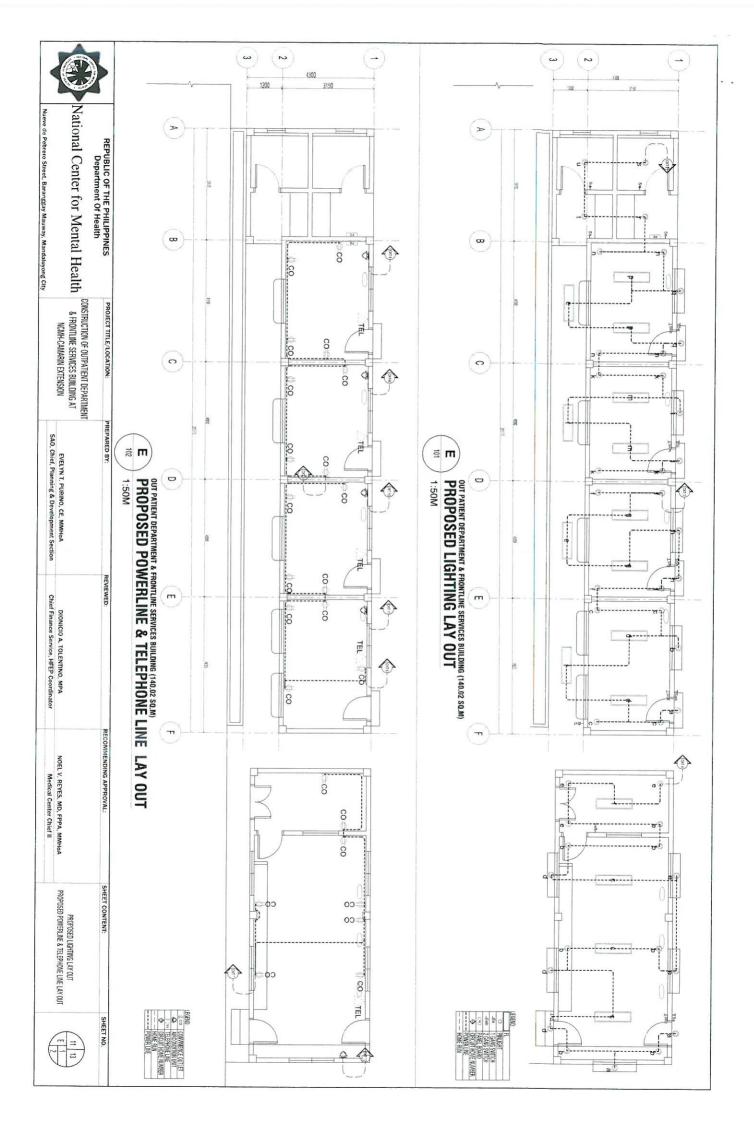












LOAD TABULATION & COMPUTATION

	15 SPARE	14 SPARE	13 AIR	12 AIR	11 AIR	10 AIR	9 AIR	8 AIR	7 CO	6 CO	5 CO	4 LIG	3 LIG	2 LIG	1 MAIN	
SPARE	VRE .	ARE .	AIRCONDITION UNIT	CONVENIENCE OUTLET	CONVENIENCE OUTLET	CONVENIENCE OUTLET	LIGHTING OUTLET	LIGHTING OUTLET	LIGHTING OUTLET	Z	one of the same					
			1	1	1	4	1	1	8	8	8	21	18	22		OUTLET
			1,865.00	1,865.00	1,865.00	1,865.00	1,865.00	1,865.00	1,440.00	1,440.00	1,440.00	2,100.00	1,800.00	2,200.00		100110
			230.00	230.00	230.00	230.00	230.00	230.00	230.00	230.00	230.00	230.00	230.00	230.00		POLIAGE
			8.11	8.11	8.11	8.11	8.11	8.11	6.26	6.26	6.26	9.13	7.83	9.57		AMTENES
			30 A/ 50AF	30 A/ 50AF	30 A/ 50AF	15 A/ 30AF	15 A/ 30AF	15 A/ 30AF		BREAKER/2P						
			2-5.5mm² THHN	2-3.5mm² THHN	2-3.5mm* THHN	2-3.5mm² THHN	2-3.5mm² THHN	2-3.5mm² THHN	2-3.5mm* THHN		SIZE OF WIKE					
			25 mm² o PIPE	20 mm² o PIPE	20 mm² o PIPE	20 mm² o PIPE	20 mm² o PIPE	20 mm² o PIPE	20 mm² o PIPE		CONDUIT					

A.C.U 15 A

C.0 15 A

15 A A.C.U

C.0 15 A

15 A C.O

LO 15 A

15 A

5

MAIN 150 A

MAIN 150 A/250 AF. 2P MAIN CB

USE: 2P.150A250AF CIRCUIT BREAKER
:2-50mm² THHN STRANDED WIRE
:1-22mm² THHN STRANDED WIRE (GROUNDING)
:1-40mm Ø PVC CONDUIT PIPE

15 A

[0

A.C.U 30 A

30 A A.C.U

30 A A.C.U

USE:

USE: 2P, 150 AT IZ25AF CIRCUIT BREAKER
2-50mm*THHN STRANDED WIRE
1-20mm*THHN (WHITE) STRANDED WIRE (GROUNDING)
1-40mm o CONDUIT PIPE

22 m LOAD TABULATION & COMPUTATION
N.T.S

National Center for Mental Health

CONSTRUCTION OF OUTPATIENT DEPARTMENT & FRONTLINE SERVICES BUILDING AT NCMH-CAMARIN EXTENSION

EVELYN T. PURINO, CE, MMH0A SAO, Chief, Planning & Development Section

Chief Finance Service, HFEP Coordinator DIONICIO A. TOLENTINO, MPA REPUBLIC OF THE PHILIPPINES
Department Of Health

PROJECT TITLE/LOCATION:

Nueve de Pebrero Street, Baranggay Mauway, Mandaluyong City



SINGLE LINE DIAGRAM

SPARE

SPARE

SPARE

1-22mm² THHN STRANDED WIRE

(GROUNDING)

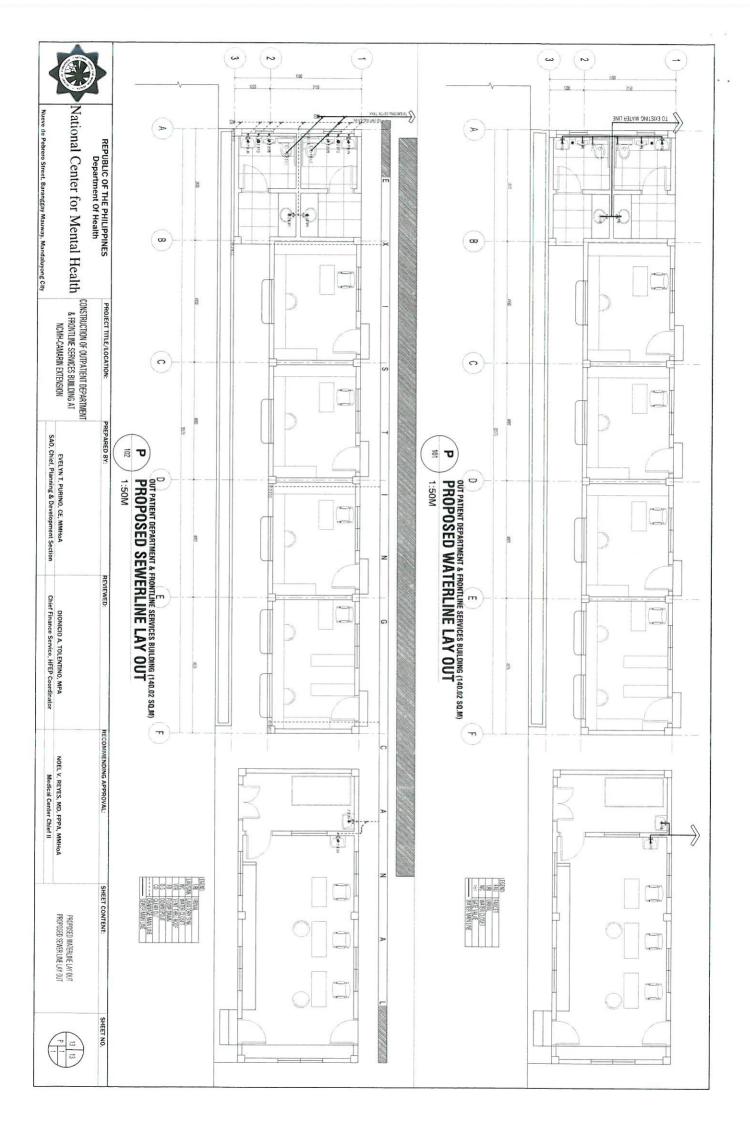
A.C.U 30 A

REVIEWED:

NOEL V. REYES, MD, FPPA, MMHoA Medical Center Chief II

LOAD TABULATION AND COMPUTATION PANEL BOARD SINGLE LINE DIAGRAM

SHEET CONTENT:



1.8 HE CONTRACTOR WILL BE RESPONSIBLE FOR THE CORROMATION OF WORK AND/OF WARDON STRADES AS RECESSARY TO AND/OF DATE OF MAIL TO SKURE THE INSTALLATION OF ALL WARDS WHITH ANALYSE SPACE. 1.9 ON TO SCALE PRAMACS AND CALLED OUT MANASONS, STANDARD CODE REQUIREMENTS SHALL OFFICEN OF THE TRACTURAL DRAWINGS SHALL BE COORDINATED WHITE AND DATE OF THE COORDINATED WHITE STANDARD CODE STALL DRAWINGS SHALL BE COORDINATED WHITE ANALYSE STANDARD CODE STALL DRAWINGS SHALL BE COORDINATED WHITE ANALYSE STANDARD STANDARD STANDARD STRUCTURAL MEARIEST SHALL NOT BE ALLOWED INVEST OF THE THE WASHE PLANNING ENCOREDS. 1.12 CANURACTOR TO PROMISE OF THE THE WASHE PLANNING ENCOREDS. 1.13 N LOSS OF STRUCTURAL MEABERS STANDARD ANALYSE, SUBMIT TO QUENT THESE TESTINGS SHALL BE CONDUCTED BY ACCORDING DASACY. 1.13 N LOSS OF STRUCTURAL MEABERS STOR APPROVAL BEFORE FURCHASING TO CLEMITATION OF STRUCTURAL MEABERS STANDARD AND THE CONTROL OF THE THE MAIL APPROVED THE TO CLEMIT TO CLEMIT THE STANDARD ANALABLE LIST OF MEMBERS FOR APPROVAL BEFORE FURCHASING. DESIGN CODE AND REFERENCE 1.7 1.6 1.5 4 3 1.2 THE FOLLOWING REFERENCES SHALL GOVERN THE DESIGN FABRICATION & CONSTRUCTION OF THE 1.2 LIVE LOADS 1.1 DEAD LOADS ALL MATERIAS, AND WORMANSHO SHALL CONFORM TO THE LATEST APPLICABLE STANDARD OR SECRECTIONS ALL MORKS SHALL CONFORM WITH THE BEST PRACTICE PREVAILING IN THE WARDLE STANDE. ALL CONSTRUCTION AND WORKMANSHO SHALL BE STREET TO INSPECTION, EXAMINATION AND TESTING BY THE FORMEREP APACHETE, THE CONFERT AND THE SHALL DELAY THE ROBIT TO BEECH DEFECTIVE MATERIALS. UNLESS SECREMALLY OF THALLD ELEMPAREE, THE CONTRACTOR SHALL FOLLOW TYPICAL DETAILS AS SHOWN IN THESE DRAWNES. NATIONAL STRUCTURAL CODE OF THE PHILIPPINES (NSCP, 2015) ASSOCIATION OF STRUCTURAL ENGINEERS OF THE PHILIPPINES (ASEP) STEEL HANDBOOK FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) P-320/P-361OFFICE & RESTROOM EXIT FACILITIES ----HET SPECIAL CONDITIONS HE CONTRACTORS SHALL EXAMINE THE DRAWNES AND SHALL NOTIFY THE NOWH FLAMINING FRICZES (ENGNETES/ARCHITECTS) OF ANY DISCREPANCIES HE MAY FIND BETORE PROCEEDING TO THE WAYN HEACHINE THE CONTRACTOR'S RESPONSIBILITY TO PROMDE ADEQUATE SHORME AND BRACKING THE HE STRUCTURE FOR ALL LONGS THAT MAY BE AMONDED DRAWN CONSTRUCTION. ON BRACKING THE HE STRUCTURE FOR ALL LONGS THAT MAY BE AMONDED DRAWN CONSTRUCTION. ELECTRICAL/MECHANICAL/PLUMBING UNIT WEIGHT OF CONCRETE ---UNLESS OTHERWISE SHOWN OR NOTED FEATURES OF CONSTRUCTION SHOWN ARE TYPICAL AND SHALL APPLY GENERALLY THROUGH OUT FOR SMULAR CONDITIONS, MODIFY TYPICAL DETAILS AS REQUIRED TO PARTITION LOAD -AMERICAN CONCRETE INSTITUTE ACI 318-95 BUILDING CODE REQUIREMENTS FOR REINFORCED NUMERICAL COEFFICIENT, Rwx & Rwz IMPORTANCE FACTOR, I -----SITE COEFFICIENT, S(Sd) ------EVACUATION, BASIC FLOOR AREA ---GENERAL NOTES AND TYPICAL STRUCTURAL DETAILS SHALL APPLY TO ALL DRAWINGS FUNDAMENTAL PERIOD OF VIBRATION, T ZOME FACTOR, Z National Center for Mental Health REPUBLIC OF THE PHILIPPINES Department Of Health 4.80kPa 9 CONSTRUCTION OF OUT - PATIENT DEPARTMENT & FRONTLINE SERVICES BUILDING AT NCMH - CAMARIN PROJECT TITLE/LOCATION MATERIALS 1. CONCRETE CONSTRUCTION STEEL PLATES AND ROLLED SHAPES REINFORCED CONCRETE SETTING OUT REINFORCING STEEL THE SETTING OUT AND ELEVATIONS OF THE DIFFERENT COMPONENTS OF THE STRUCTURE SHALL BE APPROVED BY THE NOME PLANNING OFFICERS PRIOR TO THE START OF ANY CONSTRUCTION WORK. STRUCTURAL STEEL BOLTS/WELDS DOTINGS AND COLUMN LIBBS AND MASS CONCRETE/SLAB ON GRADE 25MM (1') I NFORM NOME PLANNING OFFICERS OF OTHER MISCELLANEOUS CONCRETE STRUCTURAL ELEMENTS NOT SHOWN ABOVE TO DETERMINE THEIR RESPECTIVE COMPRESSIVE STRENGTH THER STRUCTURAL ELEMENTS AB, BEAMS, COLUMNS, OTHERS o.g. 0.1 0.6. 0.0 0.b. 0.0 ALL REMODECING STEEL SHALL CONFORM TO LARIEST EDITIONS OF ASTM A615 GROUE 60. RENFORCING FOR THAM DLABARS AND LARIES WITH MAINLAW YELD STRENCTH FY # 4140PG (60000PS) AND ASTM, A615 GADE AND LARIES WITH MAINLAW YELD STRENCTH FY # 275MPG (40000 PS) ALL REMODECING BARS SHALL BE DEFENDED BARS UNLESS OTHERWISE SPECIFED IN THE CONCRETE MIX AND PLACING ALL REINFORCING BARS SHALL ACCURATELY AND SECURELY PLACED BEFORE POURING OF CONCRETE OR APPLYING OF MORTAR OR GROUT all reinforong bars shall be clean of rust, grease or other materials likely to impair bond. STRUCTURAL DESIGN DATA STAIR, CURBS AND SLAB DN AT 7, 14 AND 28 DAYS CHAIRC PERIOD. THE TEST SHALL FOLLOW THE RECORREMANTS OF ASTMACTICS. OF ADMITTERS SEPERATION TO PRODUCE PROPERS SUMPA HAW INVESTMENT BY STREET TO THE NORTH PERAMING GETICER'S APPROVAL ADDITION OF WATER TO CONCRETE AT JOB STREET IS NOT ALLOWED. HE CONTRACTOR SHALL WHITE HE KNUER PLANNIC DYRIGHTS AN HOLSE PRIOR TO THE POLICIES. ANY SHALLTRAN CONSCRET, ES ON A MOSERTION CARE MAYE OR ALL THORK AND REPORTION OF CHEMICAL TO A MOSE THE CONTRACT AND CRAMES RESIDENTIAL ES AND CARE AND CRAMES REPORTION. ANY SHALLTRAN CONSCRET, ES ON A MOSERTION CARE MAY CHANGE HAN COSCAI SHALL BE STED THE PROPERTY AND CRAMES REPORTION. THE RESIDENCIAL SET OF THE RESIDENCIAL CONSERTE ANNUL REFORM, MEASTER AND LINED IN ACCORDANCE WITH THE SECREPAINGS OF FIRE DEPOSITED, ALMAST, THE CROUND, ELEAN CONDER IT WITH A MANAMA THROMESS OF SMALL BY LUM FIRST SECREPOR INSTALLING HE REPORCIOLABLY, THE LEAN CONDETE SMALL MOT BE CONSIDERED IN MEASUREMENT THE STRUCTURAL HETTH OF CONDETE SECREM. HE CONTRINCTOR SHALL SHOWS TO THE MICHAEL HAWARD OFFICERS FOR APPROVIAL THE POLIBING SECREMAN OFFICERS FOR ALL CONDUCTIONS OWNESS. DESIGN OF CONCRETE MIX SHALL MEET THE DESIGN CONCRETE STRENGTH GIVEN UNDER ITEM 1 OF MATERIALS INDICATED OTHERWISE ON PLANS, THE CONCRETE CLASS AND STRENGTH SHALL BE AS STRUCTURAL MEMBERS AND SPECIFICATIONS A.B. CARILLO, 6th EDITION Ď, Ď. 'AA' AWS DI.1 - 183, E70XX SERIES 27.6 (4000PSI) 20.7 (3000PSI) 10.0 (1450 PSI) SPECIFICATIONS ASIM A325 ASTM A36 AGGREGATE SIZE CL) WWG2 ∃ (S) MAX SLUMP 100 (4") GENERAL STRUCTURAL NOTES 75 (3") 100 (4') 7 b. BAR BENDING, SPLICING AND PLACING p | p 5 5 5 5.5. b.0. AND THE REPORT CONTROL SHALL SHALL TO THE NAME CHITECES TO REPORT ALL SHOP BEARDOS NOCHTIC FOR THE REPORT CONTROL SHALL SHALL TO THE NAME CHITECES. AND REPORTED BY THE REPORT CONTROL SHALL THE SHALL SHALL BY REFERENCE SHALL BE REFORMED BY THE REPORT CONTROL SHALL SHALL BY REPORT SHALL BY SHALL BY REPORT SHALL BY REPORT SHALL BY SHALL BY SHALL BY REPORT SHALL BY REPORT SHALL BY SHALL STANDARD HOOKS Column RES Shall be redicted by a corbinal of convert cycl wordinholaly with disk, that and a column responsibility of the column re O DODBEN. FOR TWO DR WORE LAKENS OF REMYOROUGE BANS UST SEPARATIONS SPACED IN DISTINGTO, AND IN NO CASS SHALL BE LESS, THAN 2 SEPARATORS, CLEAN DISTINGT, BETWEEN LAKENS SHOULD NOT BE LESS THAN ZOWN OR BAR ANDIOR BOUTS, DOWELS AND DIFFER EMBEDDED ITEMS ARE TO BE SECURELY TED IN PLACE BEFORE CONCRETE IS POURED. THEM, HOUPS & SUPPLEMENTARY DETAILS IN GENERAL, THE LATEST EDITION OF THE MANUAL OF THE STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES, ACI 315–99 SHALL BE ACHERED TO UNLESS SHOWN OTHERWISE. TILEVER RC BEAMS RECOMMENDING APPROVAL 90 DEG 180 COMPONENT DEC O O 20 STIRRUPS A DR G 90 DEG 6mm FOR EVERY 4.50m. BAR SIZE EVERY 3.00M SHORTER SPAN FOR EVERY 3.00m SPAN inn AND APPROVED A DR G TIE-HOOKS 135 DEG 4. FOOTINGS A. FOOTINGS A. FOOTINGS A. FOOTING SHALL REST ON SOME THE GRANEL BACE COLIREST COLUMNATED TO BEST MANUAU DENSITY. B. THE ASSUME SOIL BEARMS CAPOTT IS TORSON JOIN ROOM MATIBAL GRANEL BINE TO BETTOM OF FOOTING. B. THE ASSUME SOIL BEARMS CAPOTT IS TORSON JOIN ROOM MATIBAL GRANEL BINE TO BE TOWN OF STATES. BEATHEL SHALL BE PRICED BY SOME THE TROUB THE SHALL BE ADMITTED TO A MANUAU DENSITY OF STATES. AND ENCORPORATE HAND ADMITTED THE SHALL BE ADMITTED AND PRICED BY MANUAU DISCISION SHALL BE INSECTED AND PRICED BY MANUAU PLANNING. D. ALL CICAMMINGS AND BACKELING AND COMPACTIONS SHALL BE INSECTED AND PRICED BY MANUAU PLANNING. D. ALL CICAMMINGS AND BACKELING AND COMPACTIONS SHALL BE INSECTED AND PRICED BY MANUAU PLANNING. B. SELL BAILTS, SHEES, BAKS, AND RETAL FREEWARDS, MES KON A-25 (MALES NOTIO DIFFERENT ON COMMITTION OF THE METAL PROPERTY OF THE MET DATE CONTROL OF SHALL REPORT OF CHARTON AND THE STORM MERGAL & NO ROOM OF SMILE ARE RESIDED OF LINEAR MY A MANUAL DIRECTOR SHALL REPORT OF SHALL REPORT OF SHALL REPORT OF SHALL REPORT OF CONTROL OF THE CONTROL OF SHALL REPORT OF CONTROL OF THE CONTROL OF SHALL REPORT OF CONTROL OF CONTROL OF THE CONTROL OF CONTROL OF THE CONTROL OF CONTROL ON CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL STRUCTURAL STEEL 0472 948 0472 948 053 IN WIRK PAINS MEMBER LINKTIN MOLYDE BERCHING SCIDINCE SHALL BE AUDISTIO BY THE STEEL SPECUMENCIDES WIRK PAINS THE FEETE OF THE EMPERATION CHANGES AND DEFECTION. THE METATIONE STEEL SHOUL AS EXPOSED TO STROMAD AND ON DES DEE OF THE BUILDING. METITION CASCEDINGS. ALE SPECIFICAL SHILL SHAW COMPORANT TO SEATH AND THE SEARCH SOON. ALL SPECIFICAL STEEL SHALL COMPORANT TO A PAPRIONAL BY THE SHAWCHES AND THE OWNER PROJET TO ASSOCIATION. AUDINENT, COMPACTOR SHALL SHANGH COMPETE DESCRIVE BRANKES FOR THE PROPER DESIRITACITON AND ASSURENT ALL BRILDING COMPARIESTS THESE DRANKES ME, SOME MACIOR BOLS SETTING, FRANKEY SCHOOLARY AND ROOF EARLY SHAND SHANDERS AND PROPROME SETTING PROPERTY THE SETTING AND ADMINISTRATION SHALL COMPACT WITH THE CREATEST AND SCHOOLARD FOR SHALL SETTING SHALL COMPACT WITH THE CREATEST AND SCHOOLARD FOR SHALL SETTING SHALL COMPACT WITH THE CREATEST AND SCHOOLARD FOR SHALL SHAND CHAND ALL LOPISCO MILLIS SMOOTH, CYCLET HILLT HELDS. ALL DE HENDERCON STATE OF ON PLAN AND HE HE THEFFORM LINCHIN PROJECTS AND HELD STATE AN ton not page to the state of th INCLOS CONCIDIOS ESTRICÍN MENERS CE MAZINEI FRANCS SHALL RE LISTED RY MAN DESTRUCTIRE NETHON APPLY ITT-2-455 SIOP PARTI TOPA LE PROBACIONES. SIOP PARTINE LOS PERICIPIAS, ESTE SHALL RE ESTE INHERINE PRACES MEI MANUAU DE LE QUIETE MEI SOUCH MEN LA MENTAL DE MENTE MENTAL PARTINE LA PRATI TO EXPOSE MENTAL MENTAL MENTAL MENTAL PRATI DE LA PROBACE MENTAL ALL STRUCTURAL MILL SECTIONS AND BUILT-UP PLATE SECTIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH AISC LATEST "SPECIFICATIONS FOR DESIGN, FARRICATION AND ERECTION OF STRUCTURAL STEEL FOR ARCITOR SHALL FLOWEN COMPLETE EERCITOR DRAWNES FOR THE PROPER DEXINDICATION AND ASSUMELY OF DRIEDING COMPONICITS, TREAST DRAWNES WILL SHOW MOUTOR BOIT IS STITING, FORMARY SCHOOLNARY AND FRAMING AND NECESSARY INSTALLATION DETAILS. SUBJILT SHOP DRAWNINGS FOR JAPROVAL BETORE. SHEET CONTENT PENETRATION AND SHALL BE PROPERLY BACK-CHIPPED OR GOUGED. BACK UP Line and 31DN 5-21MPa (3000ps) 4000000 Beauty SHEET NO. 7 13

EVELYN T. PURINO, CE, MMHoA SAO. Chief. Planning and Development S

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