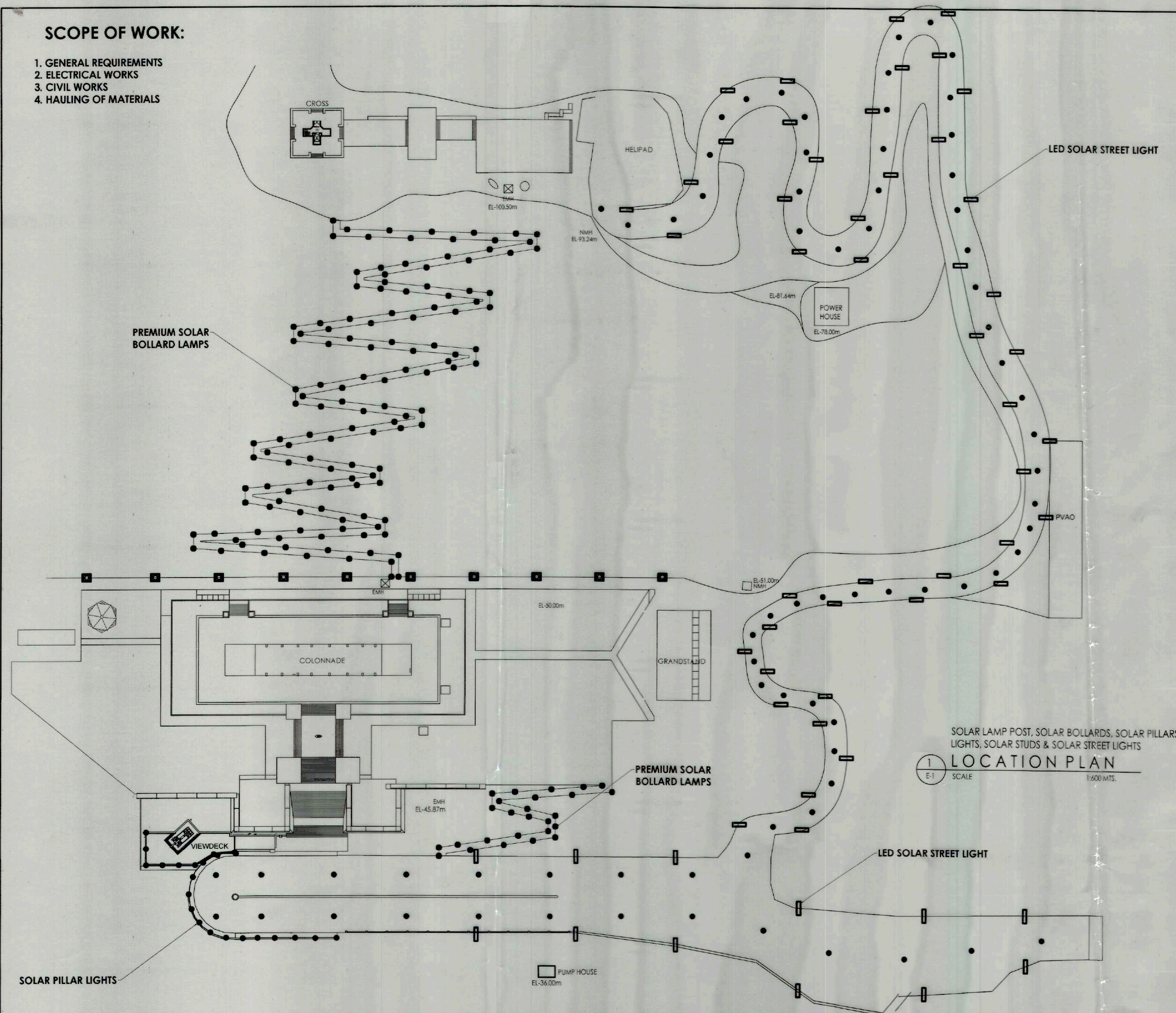


SCOPE OF WORK:

1. GENERAL REQUIREMENTS
2. ELECTRICAL WORKS
3. CIVIL WORKS
4. HAULING OF MATERIALS



LEGEND:

- LED SOLAR CLASSICAL LAMP 2*60W - 10SETS
- SOLAR PILLARS LAMPS - 27 SETS
- PREMIUM SOLAR BOLLARD LAMPS - 150 SETS
- LED SOLAR STREET LIGHT 80WATTS - 56 SETS
- LED SOLAR ILLUMINATED PAVEMENT STUDS - 329PCS TO BE INSTALLED AT THE MIDDLE OF SHRINE ROAD



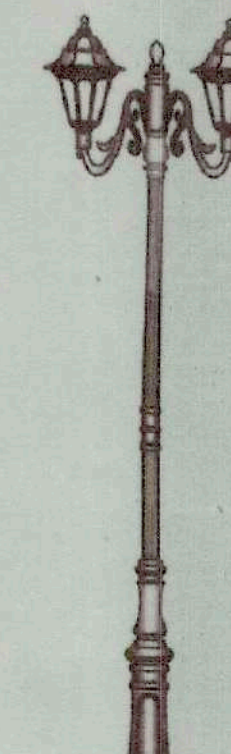
SOLAR PILLAR LAMP - 480*150*220mm



PREMIUM SOLAR BOLLARD LAMPS - 790*150*220mm

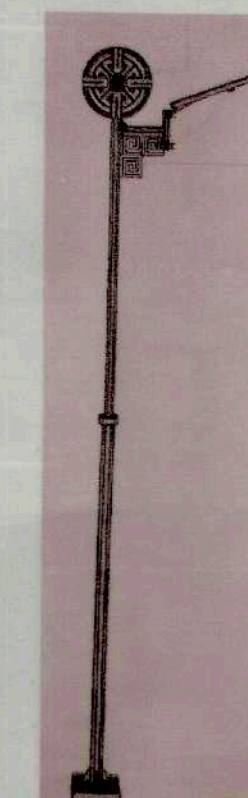


SOLAR STUDS FOR MIDDLE PORTION OF ROAD - Size: Ø143*47mm

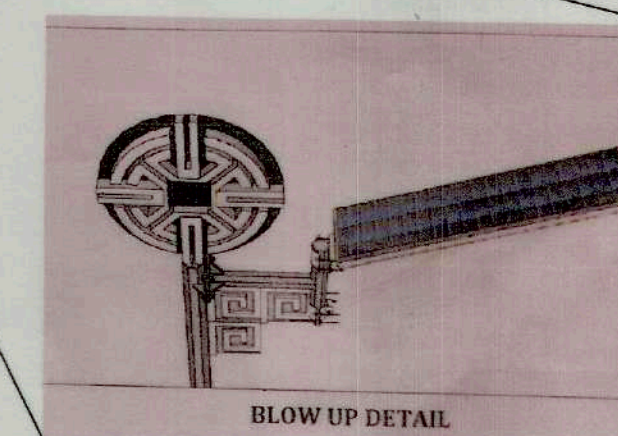


LED SOLAR CLASSICAL LAMP

SOLAR LAMP POST, SOLAR BOLLARDS, SOLAR PILLARS LIGHTS, SOLAR STUDS & SOLAR STREET LIGHTS
LOCATION PLAN
SCALE 1:600 MTS.



SINGLE ARM CURVE LAMP POLE Ø6" BOTTOM x 3"Ø TOP, 7M HIGH BASE PLATE-16" x 16" THICK ANCHOR BOLT - 4 - 1" X 28" WITH FLAT WASHER AND NUTS



INTEGRATED LED SOLAR STREET LIGHT 80W

NOTE:
SEE DETAIL PVAO CIRCULAR STEEL DESIGN AT TOP OF LAMP POST IN SHEET S-01



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AND ENTERPRISE ZONE AUTHORITY
6th & 7th Floors, Tower 1 Double Dragon Plaza
Macapagal Avenue corner Edsa Extn. Bay Area
Double Dragon Meridian Park
Pasay City 1308

PROJECT TITLE/ LOCATION
MT.SAMAT FTEZ-Shrine Site's
Road Lighting Project
LOCATION: MT. SAMAT FTEZ, PILAR, BATAAN

PROJECT EVALUATION AND PLANNING DEPARTMENT
PREPARED BY: JERRY S. ESPINA (ELECTRICAL DESIGNER)
CHECKED BY: RADY B. ADAME (MANAGER, PROJECT PLANNING & DESIGN DIVISION)
REVIEWED BY: JOFFREY A. MACALALAD (OIC - MANAGER, PROJECT EVALUATION & PLANNING DEPARTMENT)
RECOMMENDING APPROVAL: GREGORY A. OLLER (ASSISTANT CHIEF OPERATING OFFICER, ARCHITECTURAL & ENGINEERING SERVICES SECTOR)

APPROVED BY: MARK T. LAPID (CHIEF OPERATING OFFICER)

SHEET CONTENTS: R.A. 9266
CONTENTS: AS SHOWN
REVISIONS:

E 01
02



SOLAR STREET LIGHT DISTANCE FROM
HIGHWAY TO ENTRANCE GATE

LEGEND:

- 153 METERS NO LIGHTING NEAR THE HIGHWAY
- 52 UNITS SOLAR LIGHT INSTALLED BY DPWH
- 290 UNITS NEW SOLAR STREET LIGHT

DISTANCE FROM POINT TO POINT:

FROM ENTRANCE GATE TO HIGHWAY (ACCESS ROAD)-----6.593 MTS LONG.

1. SOLAR STREET LIGHT INSTALLED BY DPWH
52 UNITS WITH DISTANCE OF 15 MTS
TO EACH OTHER OCCUPYING 765 METERS
OUT OF 6440 METERS AND ARRANGED AS ONE SIDE.
2. NEW SOLAR STREET LIGHT 290 UNITS
WITH DISTANCE OF 20MTS OR STAGGERED
TO EACH OTHER OCCUPYING 5828 METERS.
3. NO LIGHTING NEAR THE HIGHWAY
APPROXIMATELY 153 METERS

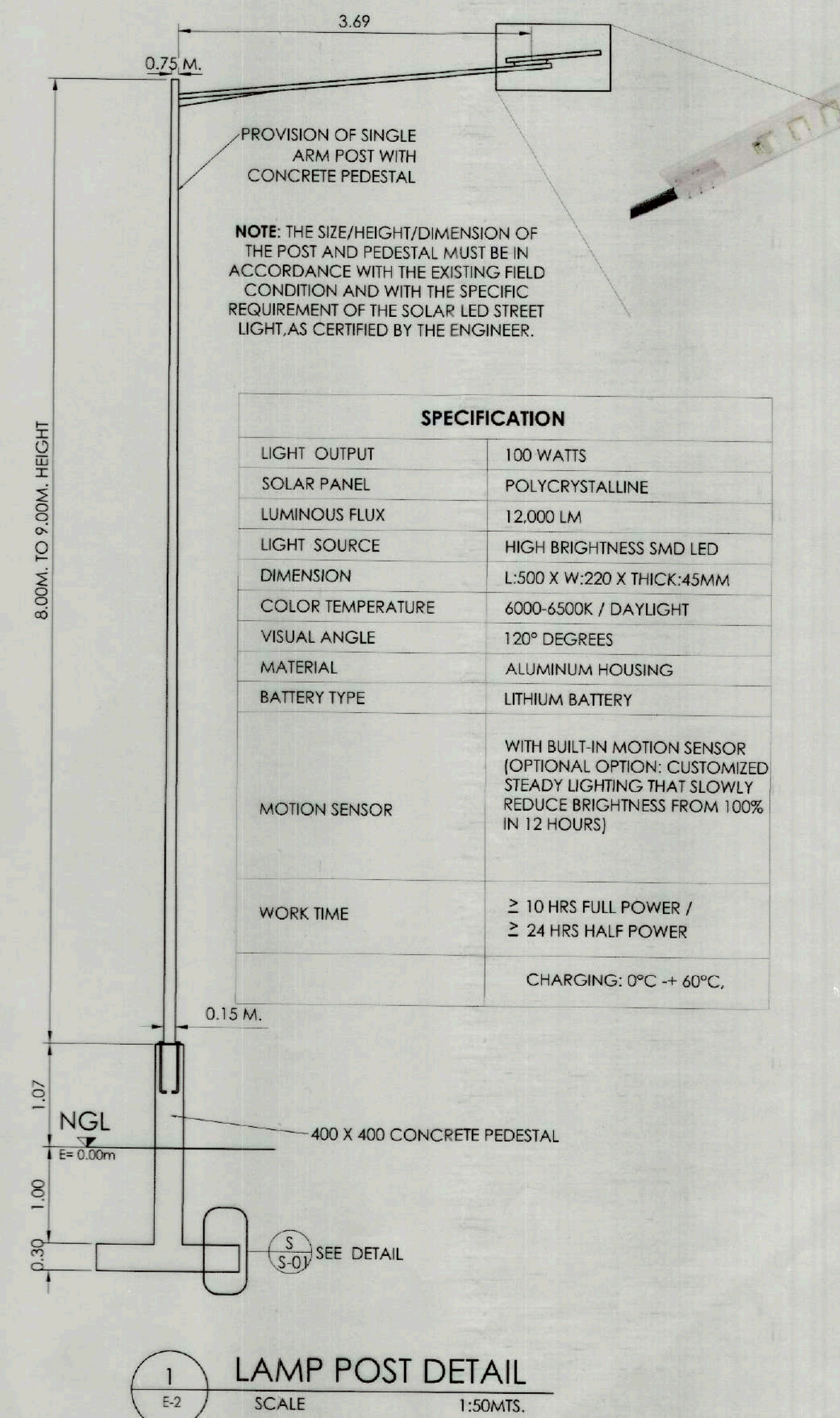


SOLAR STUDS FOR MIDDLE PORTION OF
ROAD - Size: Ø143*47mm

LED	6 PCS. (3 BY 2 SIDES)
LED TYPE /COLOR	WHITE/RED/YELLOW/BLUE /GREEN
FLASH TYPE	STEADY OR FLASHING TYPE (1HZ-200HZ ADJUSTIBLE)
LED BRIGHTNESS	5,000 MCD/ONE SIDE
DIMENSION	UPPER PARTS 137(Ø)X 6(H) MM/ ON THE GROUND LOWER PARTS 125(Ø)X 39(H) MM/ CYLINDRICAL PARTS
WEIGHT	750G / UNIT
COMPRESSION LOAD	ABOUT 320,000 N (32 TON)
STORAGE /TYPE	LIFE FOR (LITHIUM ION) BATTERY 3.2V/ 100 MA/H
SOLAR CELL / MAX. OUTPUT	4V
IP RATING/PROTECTION GRADE	IP 68
VISIBILITY	ABOUT 1 KM. (0.62MI)
CHARGING CONDITION	100K LUX CHARGING FOR 2 HOURS & 4+ NIGHTS OPERATION
OPERATING TEMPERATURE	-40C TO +85°C (-40°F TO 176°F)
BODY	SOLAR CELL COVERED WITH CLEAR POLYCARBONATE (UV COATING) / OUT CASE MADE ALUMINUM ALLOY 10211
LIFE SPAN	AS LIFE PO4 BATTERY GO MORE THAN 10 YEARS
STANDARD CONDITION OF	FULL CHARGING 100 HOURS WORKING
CHARGING & OPERATING BODY	SOLAR CELL & I.C.(INTEGRATED CIRCUIT) COVERED WITH U.V. COATED POLY-CARBONATE (SUPER - INTENSITY)

NOTE:

- STUDS ARE SPACED EVERY 3 METERS
- STREET LIGHTS ARE SPACED EVERY 35 METERS
- STREET LIGHTS COULD BE PLACED ON ONE - SIDE ONLY OR
STAGGERED DEPENDING ON THE DISCRETION
OF THE PROJECT ENGINEER



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**MT.SAMAT FTEZ-Shrine Site's
Road Lighting Project**
LOCATION: MT. SAMAT FTEZ, PILAR, BATAAN

PROJECT EVALUATION AND PLANNING DEPARTMENT
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ELECTRICAL DESIGNER
DRAWN BY: TDE

CHECKED BY:
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MANAGER,
PROJECT PLANNING & DESIGN DIVISION

REVIEWED BY:
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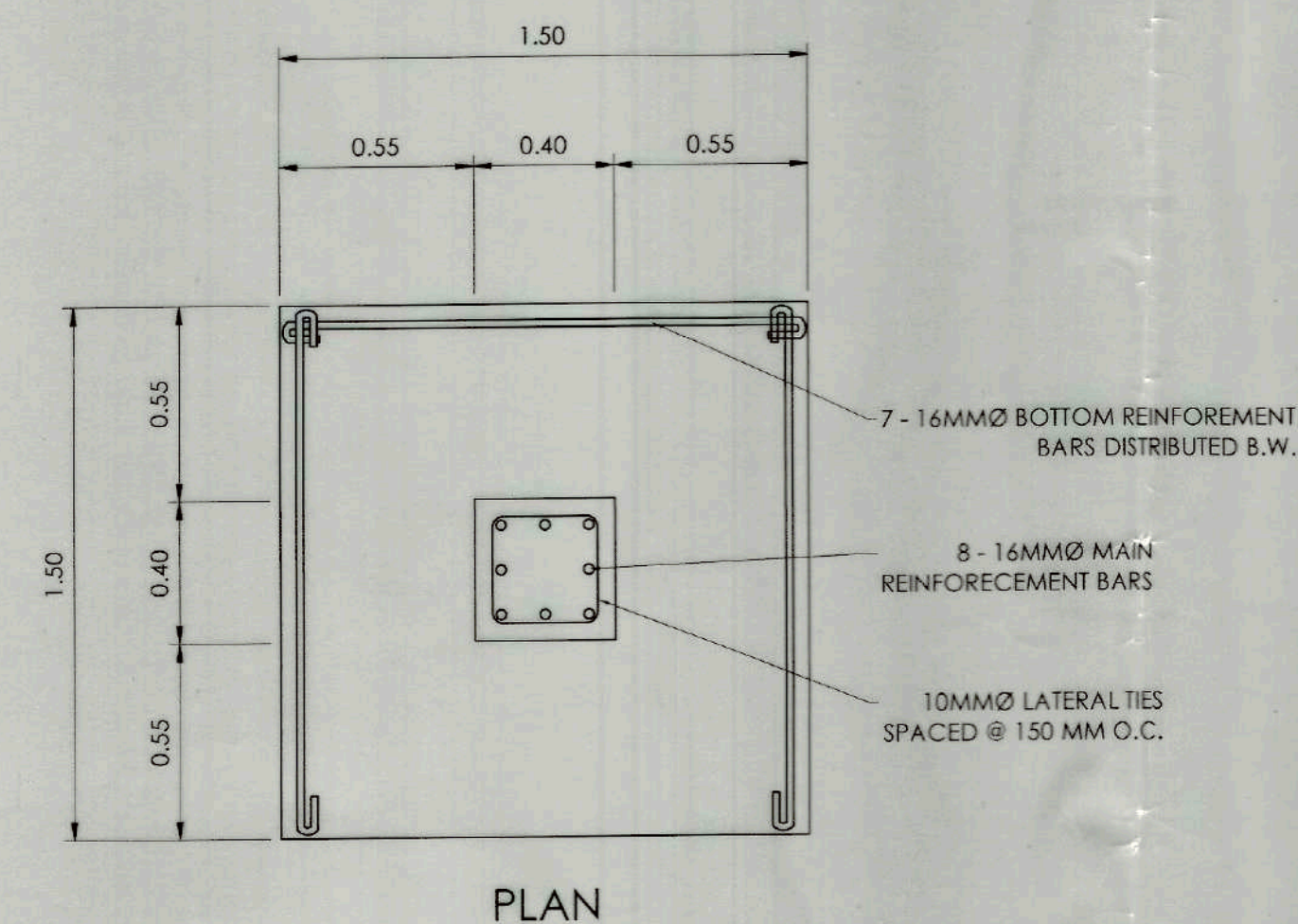
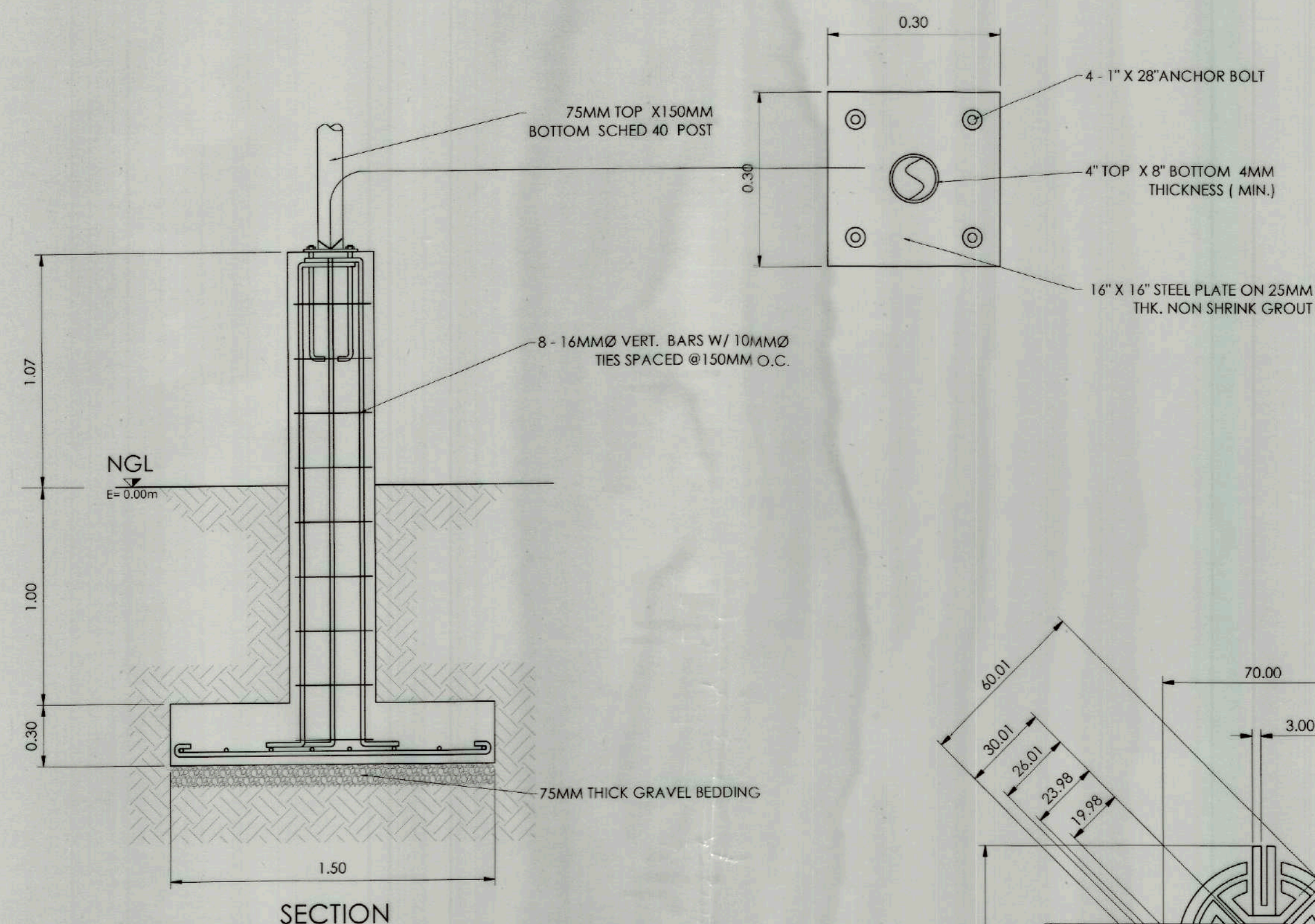
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APPROVED BY:
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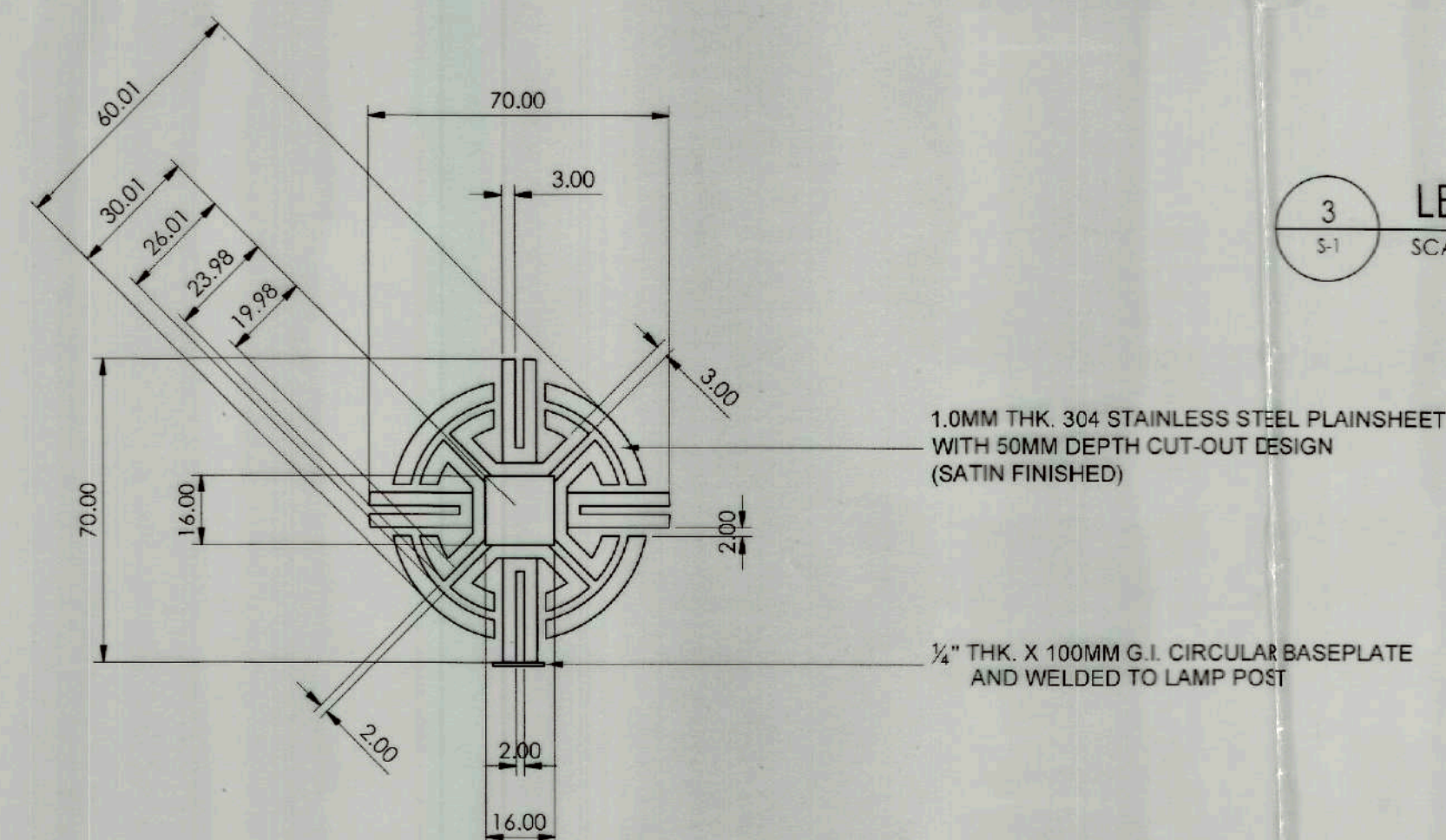
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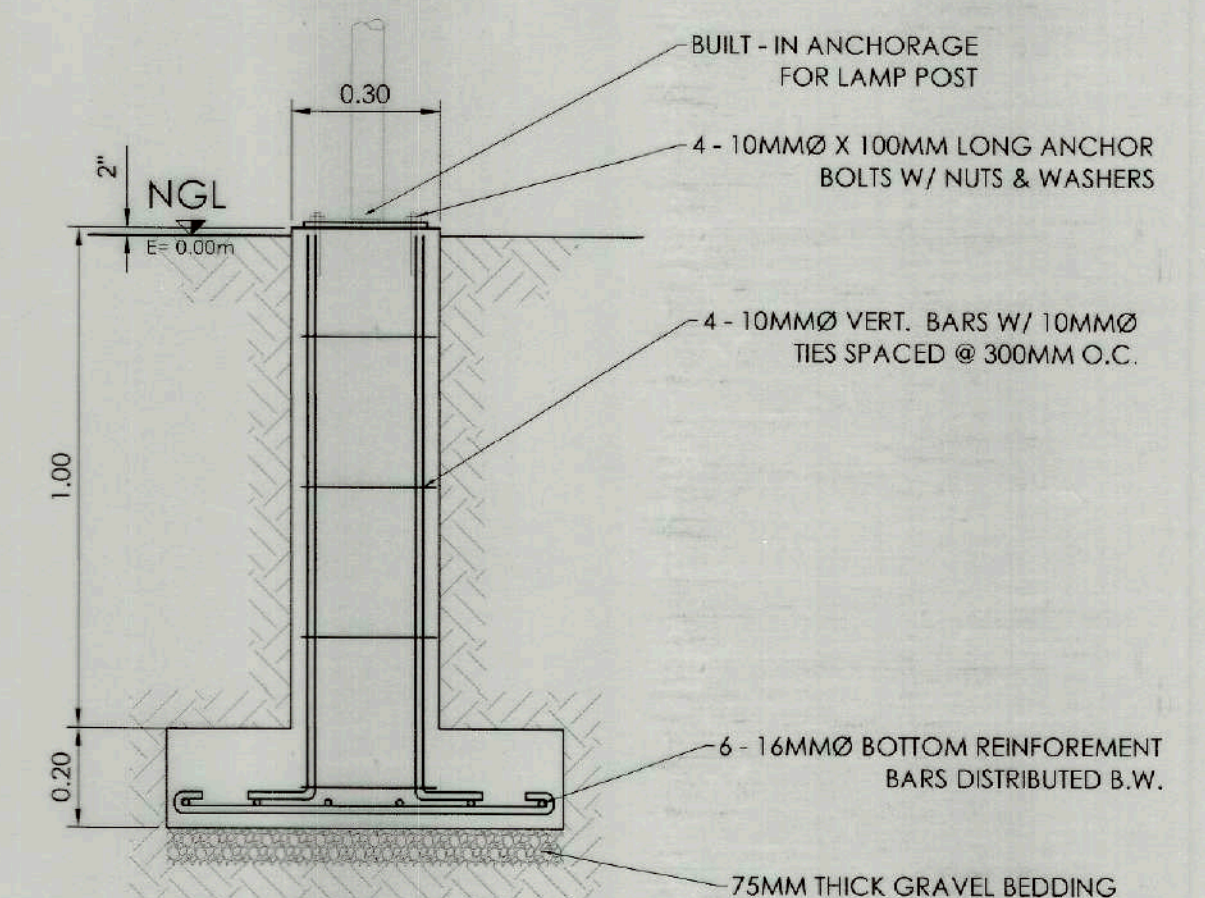
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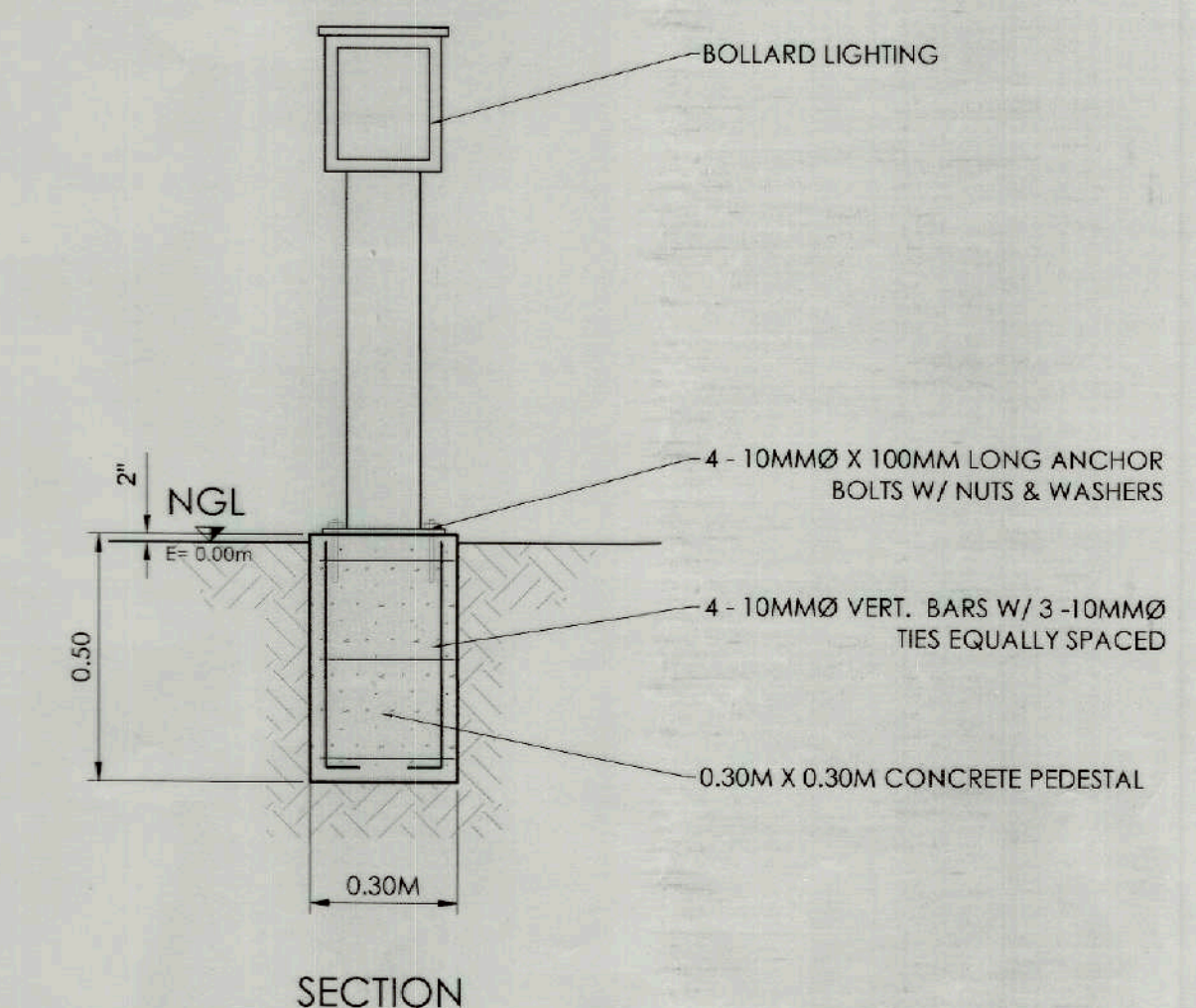
1 ACCESS ROAD FOOTING DETAIL
SCALE 1:20 MTS.



DETAIL OF CIRCULAR STEEL DESIGN
SCALE 1:15 MTS.



3 LED SOLAR LAMP POLE & CLASSICAL LAMP PEDESTAL DETAIL
SCALE 1:15 MTS.



2 BOLLARD CONCRETE PEDESTAL DETAIL
SCALE 1:15 MTS.



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Pasay City 1306

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**MT.SAMAT FTEZ-Shrine Site's
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LOCATION: MT. SAMAT FTEZ, PILAR, BATAAN

PROJECT EVALUATION AND PLANNING DEPARTMENT
PREPARED BY:
ARMANDO C. VERDADERO JR.
STRUCTURAL DESIGNER
DRAWN BY: TDE

CHECKED BY:
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MANAGER,
PROJECT PLANNING & DESIGN DIVISION

REVIEWED BY:
JEFFREY L. MACALALAD
DIC - MANAGER,
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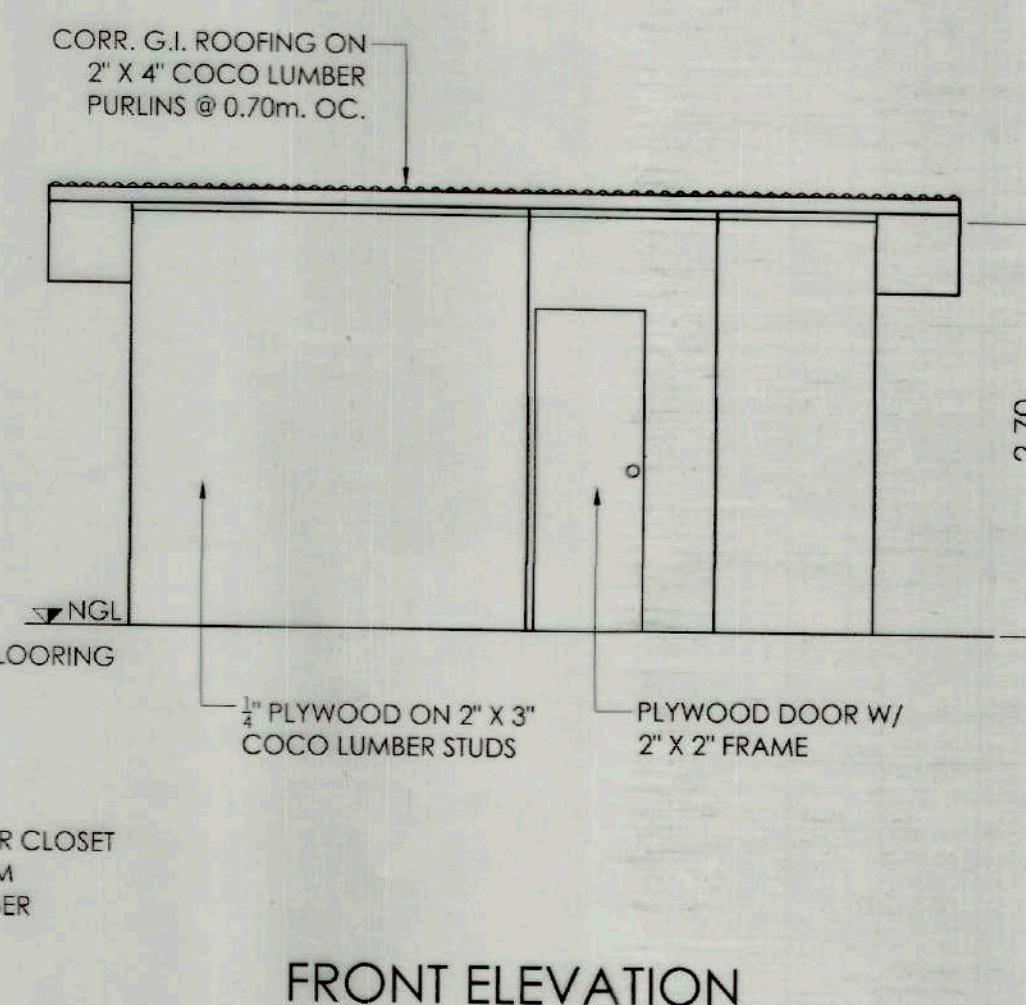
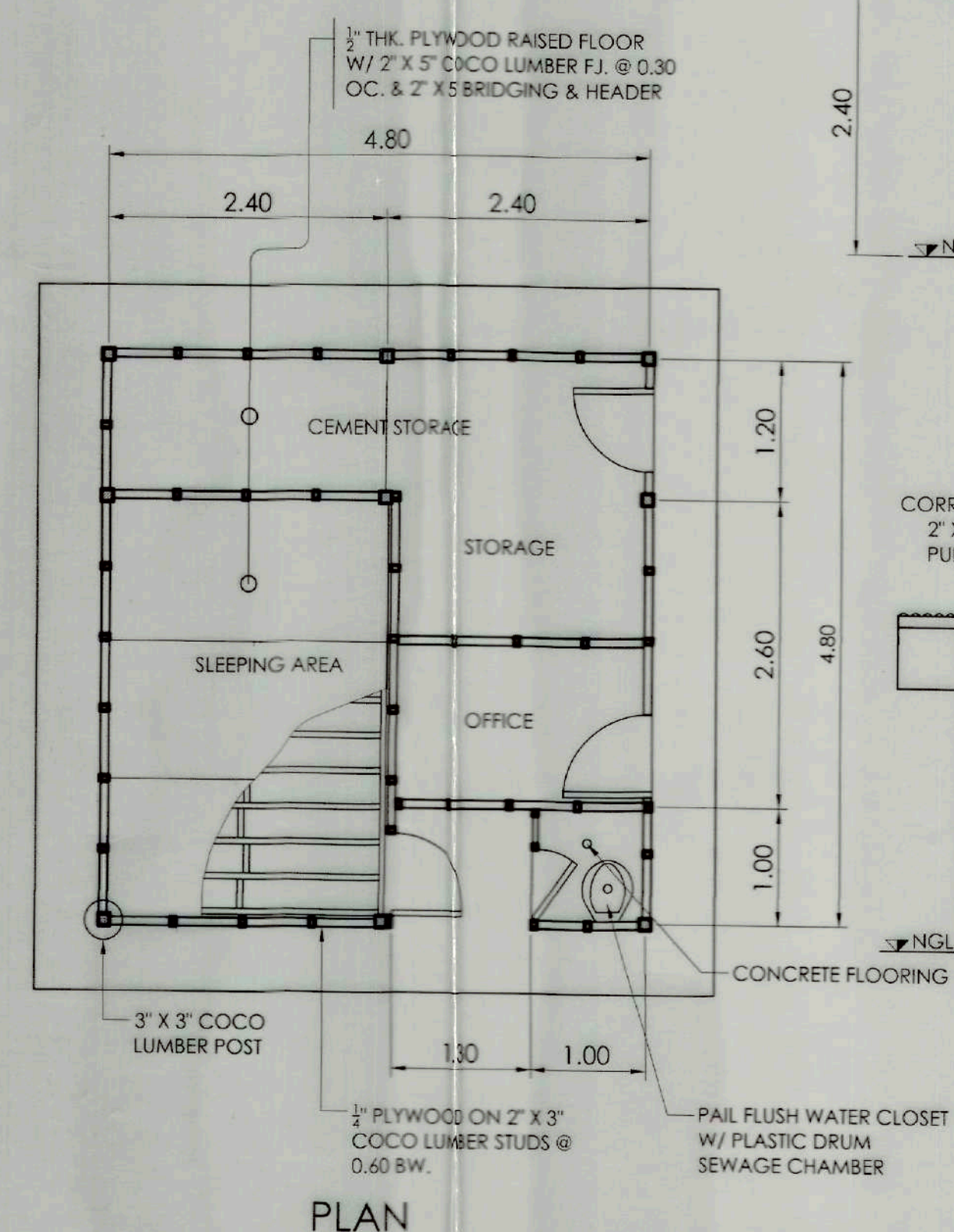
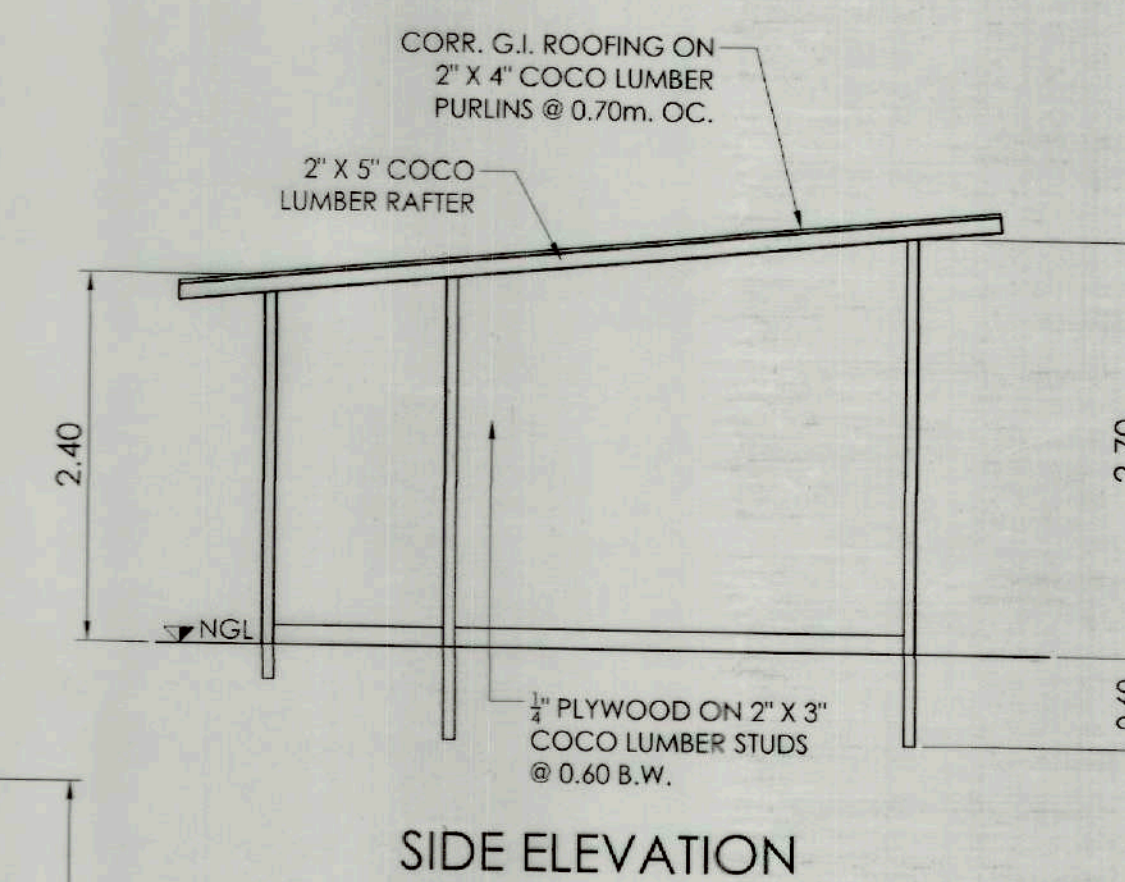
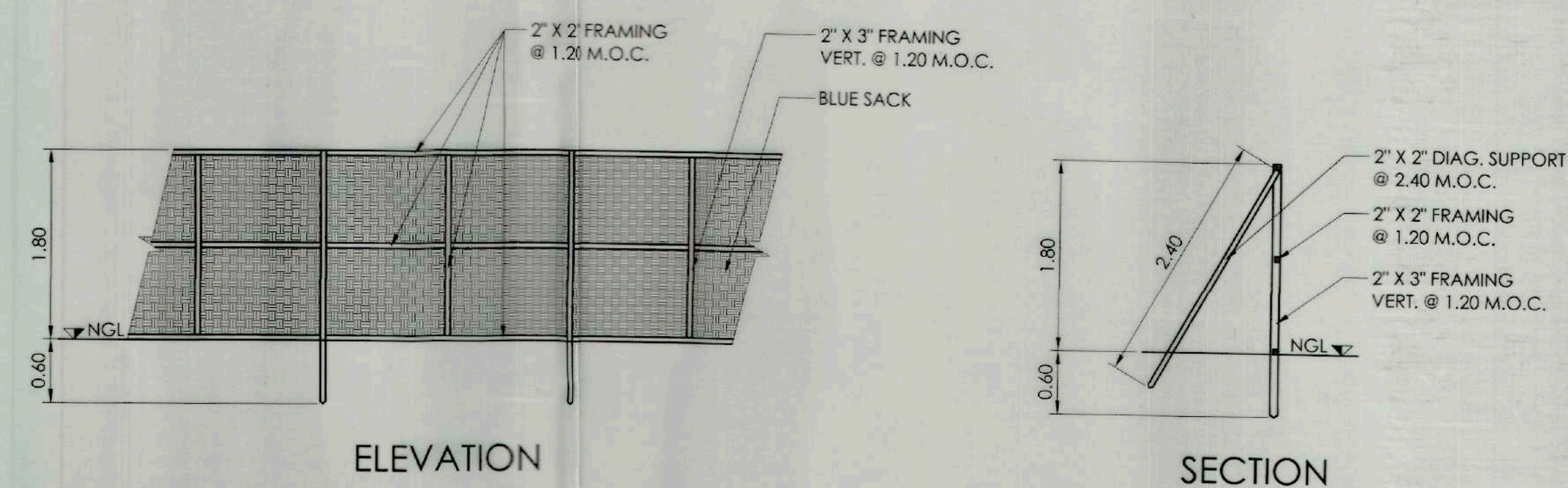
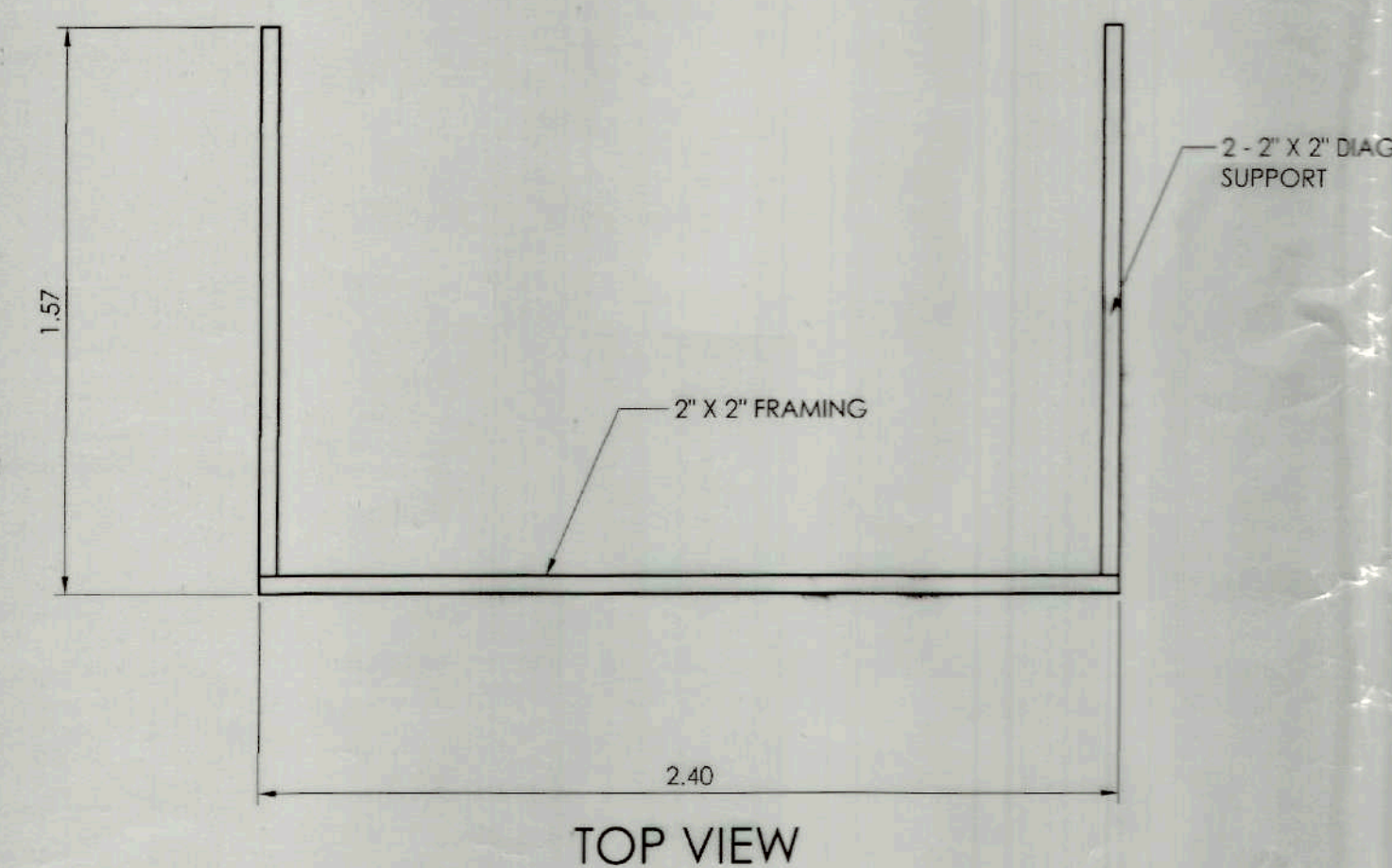
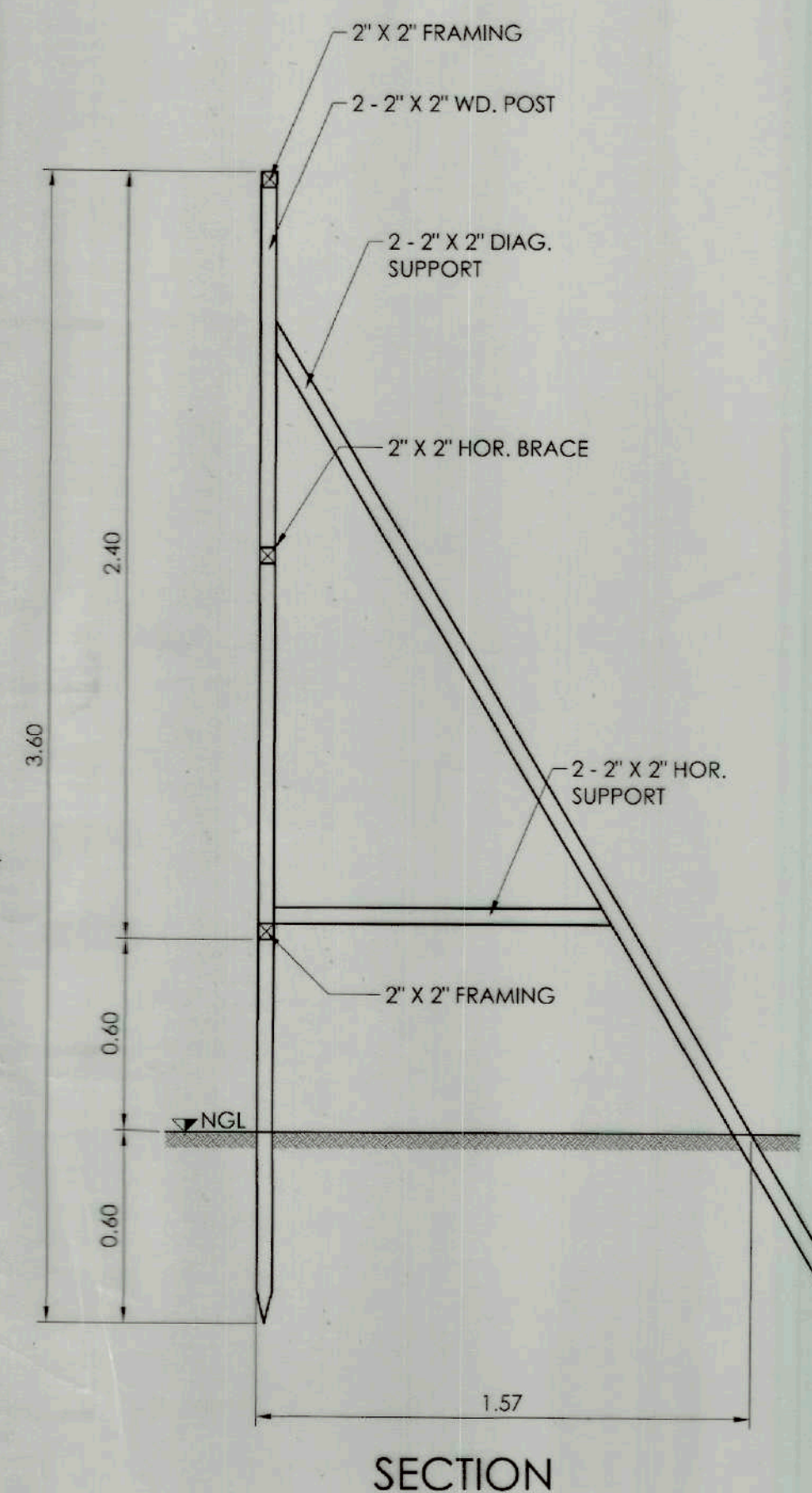
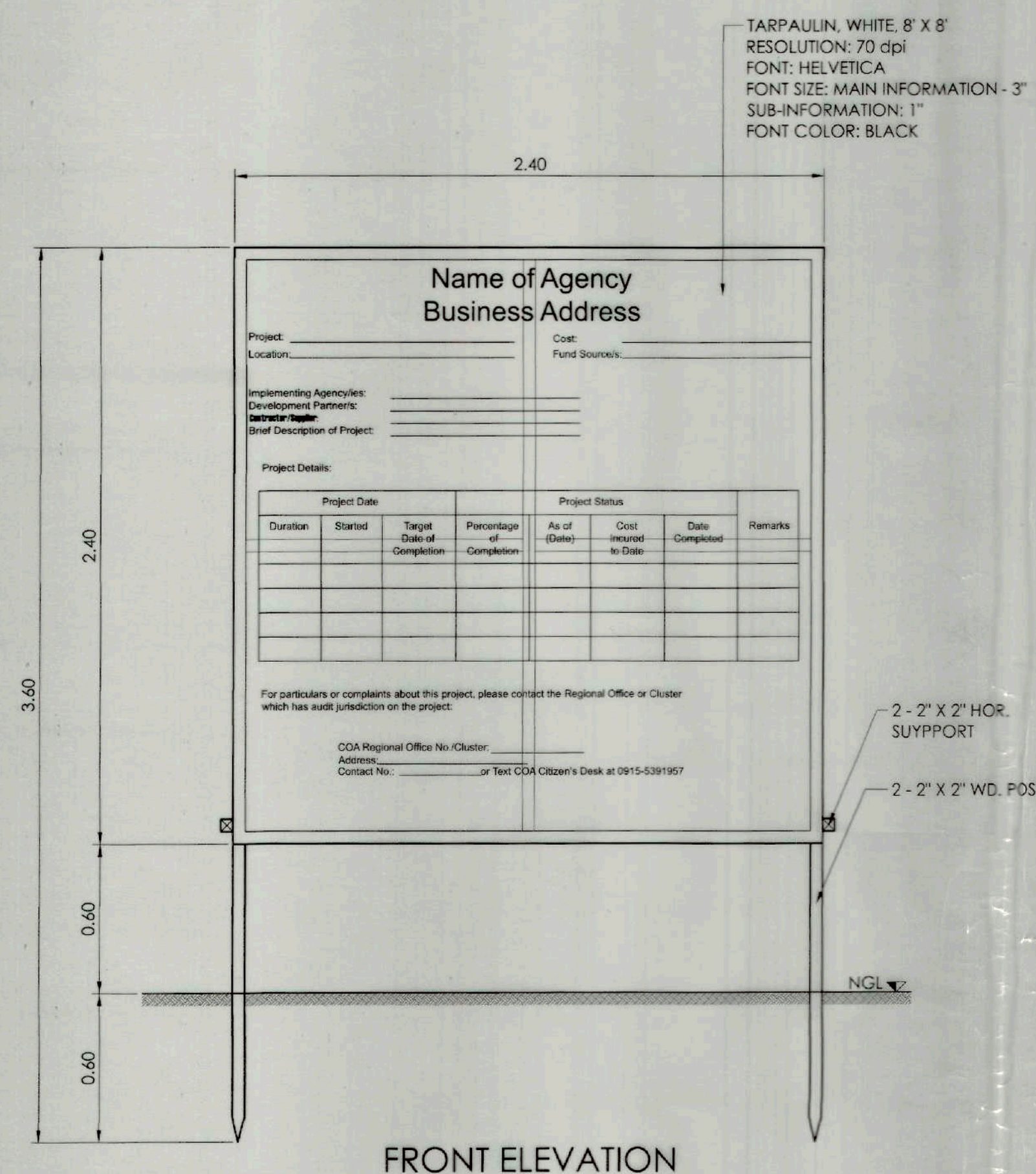
RECOMMENDING APPROVAL:
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APPROVED BY:
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CHIEF OPERATING OFFICER

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6th & 7th FLR. TOWER 1 DOUBLE DRAGON PLAZA
DOUBLE DRAGON MERIDIAN PARK, MACAPAGAL AVENUE
CORNER EDSA EXTENSION BAY AREA PASAY CITY 1308

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MT.SAMAT FTEZ-Shrine Site's Road Lighting Project
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PROJECT EVALUATION AND PLANNING DEPARTMENT

PREPARED BY:	
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CHECKED BY:

REVIEWED BY:

RECOMMENDING APPROVAL:

APPROVED BY:

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TRUBBY D. E.

DRAWN BY: tde

RADY E. ADAME

MANAGER

JEOFFREY L. MACALALAD

	OIC-DEPARTMENT MANAGER
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PEPD.QF.02a

R3-23-00