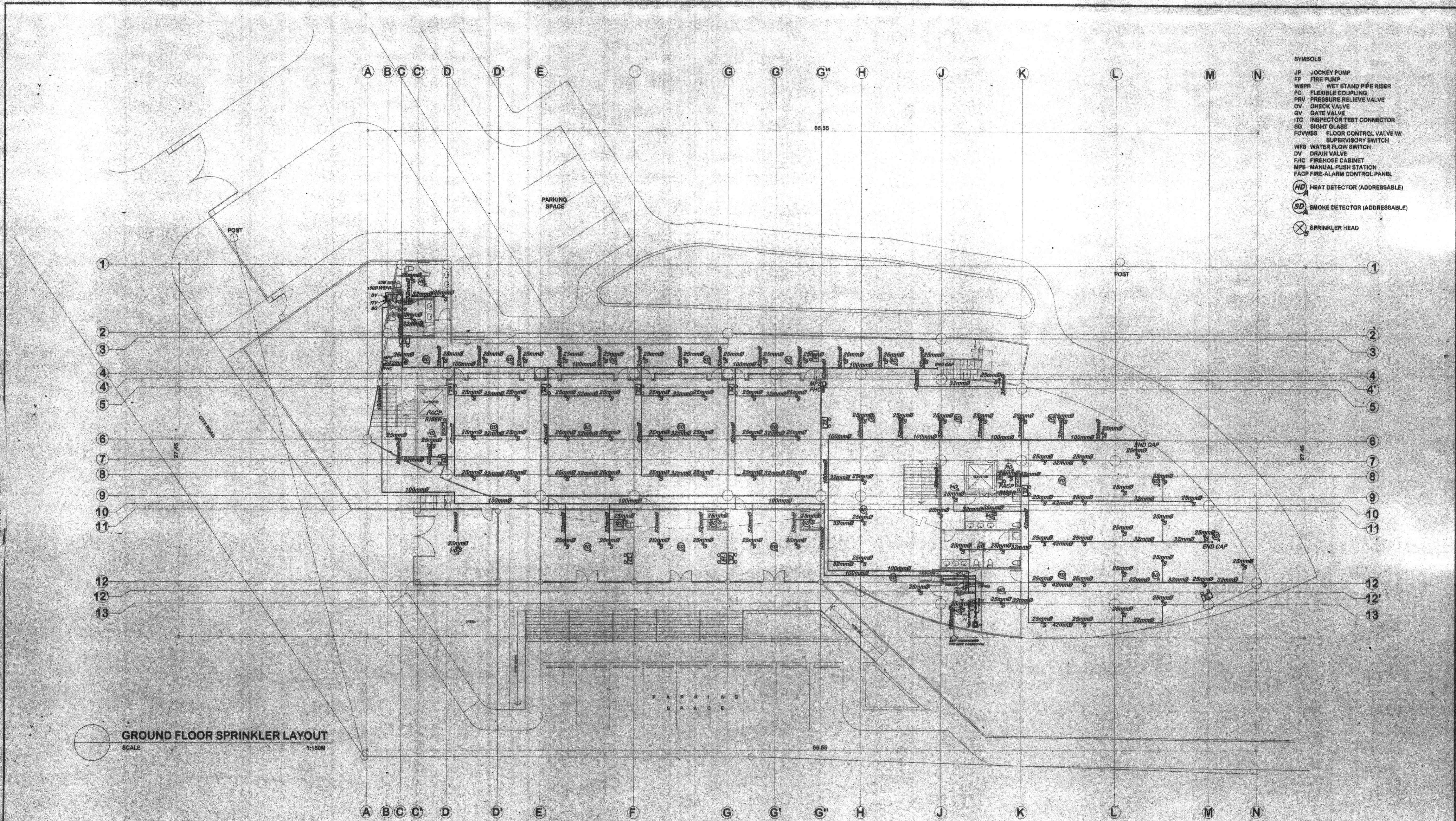
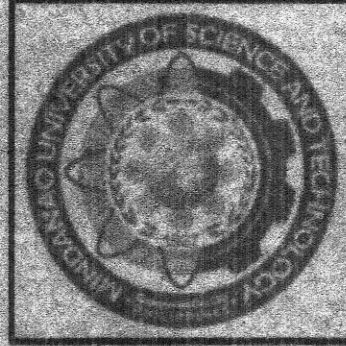




- SYMBOLS**
- JP JOCKEY PUMP
 - FP FIRE PUMP
 - WSPR WET STAND PIPE RISER
 - FC FLEXIBLE COUPLING
 - PRV PRESSURE RELIEF VALVE
 - CV CHECK VALVE
 - GV GATE VALVE
 - ITC INSPECTOR TEST CONNECTOR
 - SG SIGHT GLASS
 - FCVWS FLOOR CONTROL VALVE W/ SUPERVISORY SWITCH
 - WFS WATER FLOW SWITCH
 - DV DRAIN VALVE
 - FHC FIREHOSE CABINET
 - MPS MANUAL PUSH STATION
 - FACP FIRE-ALARM CONTROL PANEL
 - HD HEAT DETECTOR (ADDRESSABLE)
 - SD SMOKE DETECTOR (ADDRESSABLE)
 - SPRINKLER HEAD

GROUND FLOOR SPRINKLER LAYOUT
SCALE 1:150M



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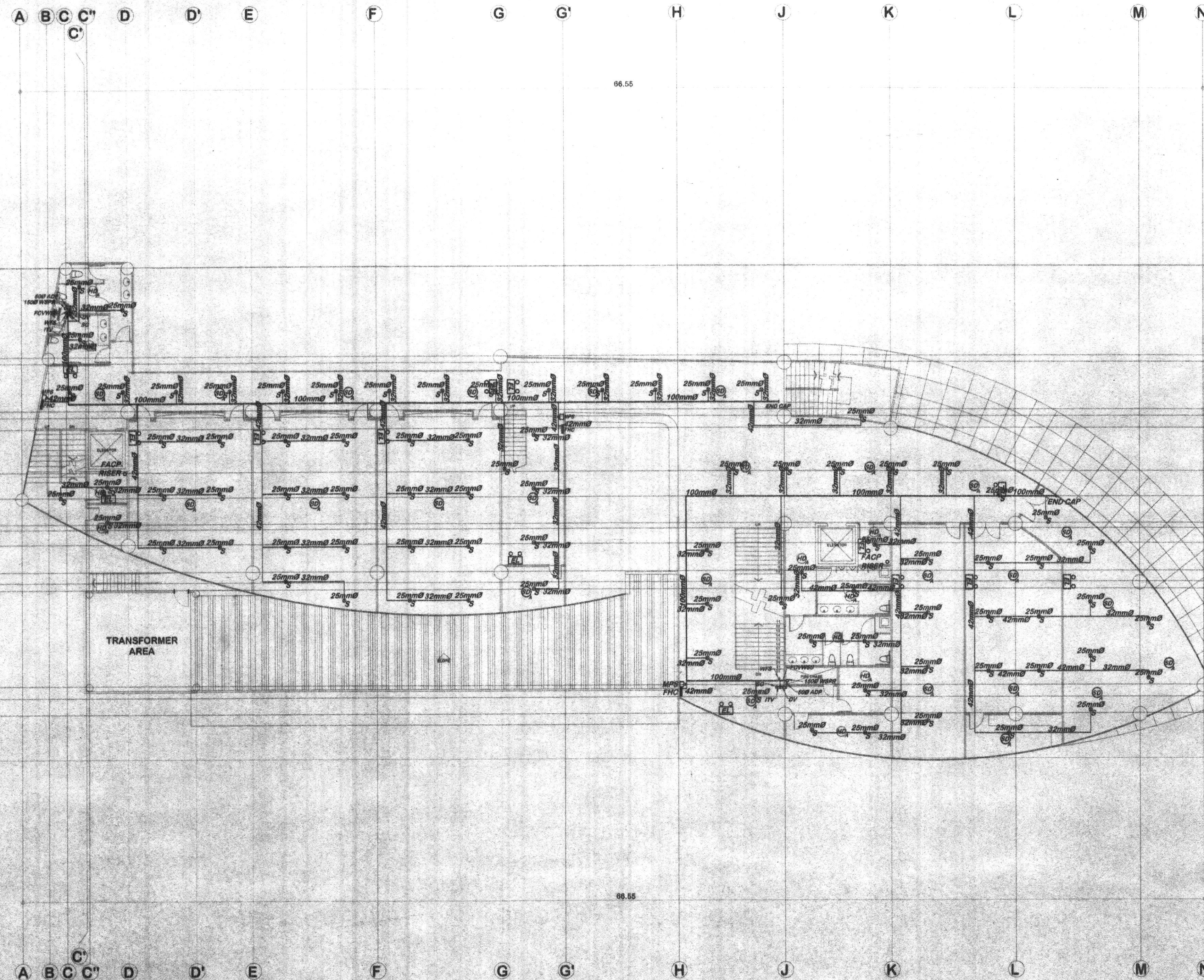
PREPARED BY:
Eliseo P. Villanueva
DR. ELISEO P. VILLANUEVA, Ph. D.
PROFESSIONAL MECHANICAL ENGINEER
PRC REG. NO. : 2 850 PTR NO. : 4054780
TIN : 131 431 377 DATE ISSUED: 01-26-15

PROJECT : **PROPOSED STUDENT CENTER & EDUCATION COMPLEX**
LOCATION : C.M. RECTO AVENUE LAPASAN, CAGAYAN DE ORO CITY
OWNER : MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY

RECOMMENDING APPROVAL :
Jonathan S. Oche
ATTY. JONATHAN S. OCHE
DIRECTOR, ADMINISTRATION

APPROVED :
Ricardo E. Rotoras
DR. RICARDO E. ROTORAS
MUST PRESIDENT

SHEET TITLE : MECHANICAL
SHEET CONTENTS :
GROUND FLOOR SPRINKLER LAYOUT
SHEET NO. : M1
M22
156
198



- SYMBOLS**
- JP JOCKEY PUMP
 - FP FIRE PUMP
 - WSPR WET STAND PIPE RISER
 - FC FLEXIBLE COUPLING
 - PRV PRESSURE RELIEVE VALVE
 - CV CHECK VALVE
 - GV GATE VALVE
 - ITC INSPECTOR TEST CONNECTOR
 - SG SIGHT GLASS
 - FCVWSS FLOOR CONTROL VALVE W/ SUPERVISORY SWITCH
 - WFS WATER FLOW SWITCH
 - DV DRAIN VALVE
 - FMC FIREHOSE CABINET
 - MPS MANUAL PUSH STATION
 - FACP FIRE-ALARM CONTROL PANEL
 - HD HEAT DETECTOR (ADDRESSABLE)
 - SD SMOKE DETECTOR (ADDRESSABLE)
 - SPRINKLER HEAD

SECOND FLOOR SPRINKLER LAYOUT
SCALE 1:150M



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Web Site : www.mpsc.com.edu

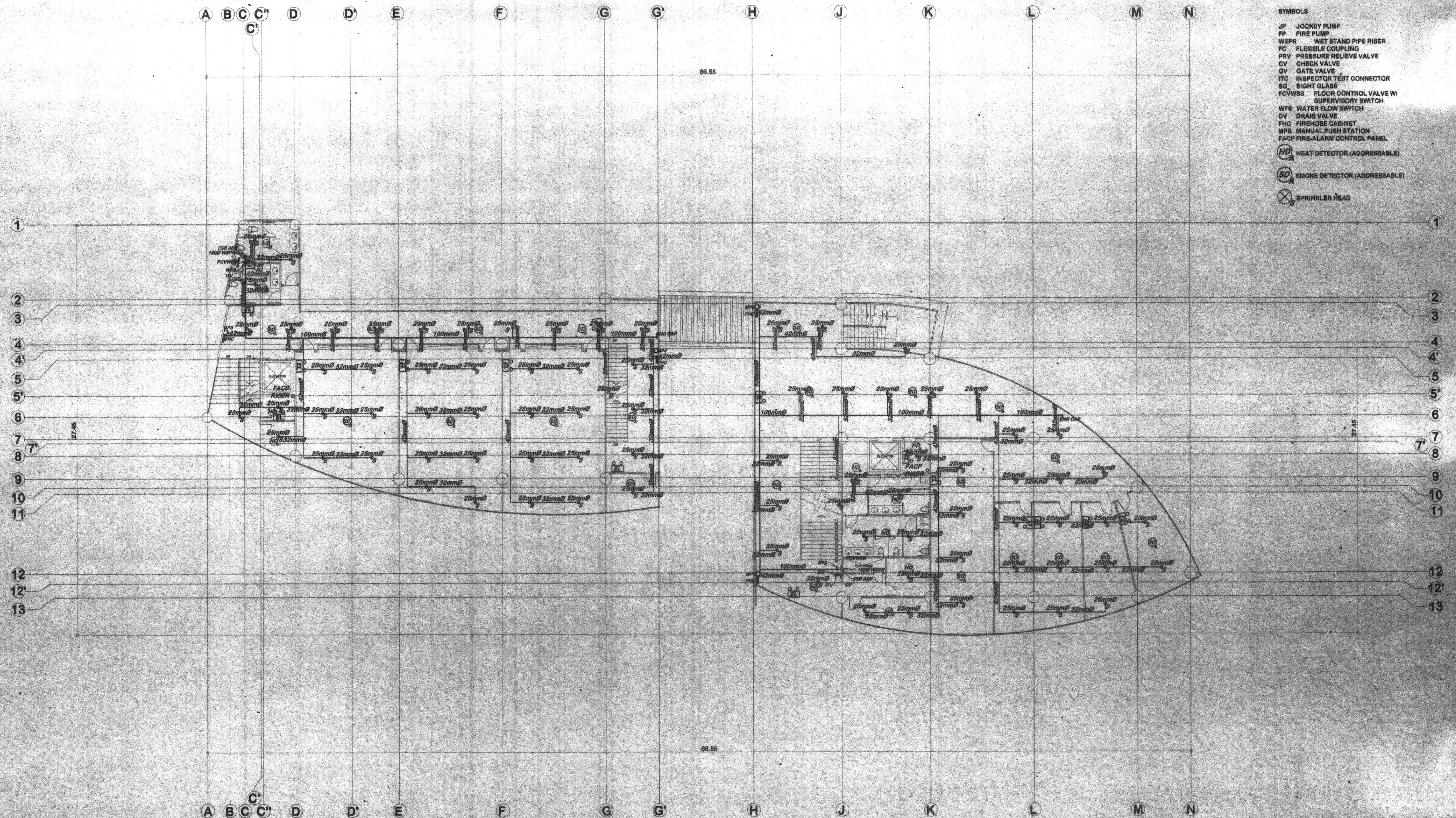
PREPARED BY:
Eliseo P. Villanueva
DR. ELISEO P. VILLANUEVA, Ph. D.
PROFESSIONAL MECHANICAL ENGINEER
PRC REG. NO. : 2 850 PTR NO. : 4064730
TIN : 151 431 377

PROJECT: **PROPOSED STUDENT CENTER & EDUCATION COMPLEX**
LOCATION: C.M. RECTO AVENUE LAPASAN, CAGAYAN DE ORO CITY
OWNER: MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY

RECOMMENDING APPROVAL:
Jonathan S. Ocche
ATTY. JONATHAN S. OCHE
DIRECTOR, ADMINISTRATION

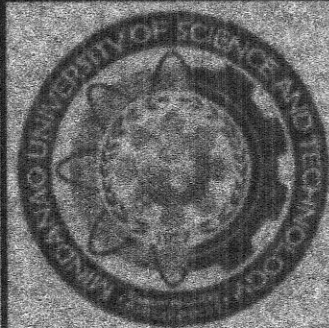
APPROVED:
Ricardo E. Rotoras
DR. RICARDO E. ROTORAS
MUST PRESIDENT

SHEET TITLE: MECHANICAL
SHEET CONTENTS:
SECOND FLOOR SPRINKLER LAYOUT
SHEET NO. M2
157
148



- SYMBOLS**
- JP JOCKEY PUMP
 - FP FIRE PUMP
 - WSPR WET STAND PIPE RISER
 - FC FLEXIBLE COUPLING
 - PRV PRESSURE RELIEVE VALVE
 - CV CHECK VALVE
 - GV GATE VALVE
 - ITC INSPECTOR TEST CONNECTOR
 - SG SIGHT GLASS
 - FCVWS FLOOR CONTROL VALVE W/ SUPERVISORY SWITCH
 - WFS WATER FLOW SWITCH
 - DV DRAIN VALVE
 - FHC FIREHOSE CABINET
 - MPS MANUAL PUSH STATION
 - FACP FIRE-ALARM CONTROL PANEL
 - HD HEAT DETECTOR (ADDRESSABLE)
 - SD SMOKE DETECTOR (ADDRESSABLE)
 - SPRINKLER HEAD

THIRD FLOOR SPRINKLER LAYOUT
SCALE 1:150M



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PRC REG. NO.: 2880 PTR NO.: 4054790
TIN: 131 431 377 DATE ISSUED: 01-25-15

PROJECT:

PROPOSED STUDENT CENTER & EDUCATION COMPLEX

LOCATION:

C.M. RECTO AVENUE LAPAAN, CAGAYAN DE ORO CITY

OWNER:

MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY

RECOMMENDING APPROVAL:

Jonathan S. Oche
ATTY. JONATHAN S. OCHE

DIRECTOR, ADMINISTRATION

APPROVED:

Ricardoe Rotoras
DR. RICARDO E. ROTORAS

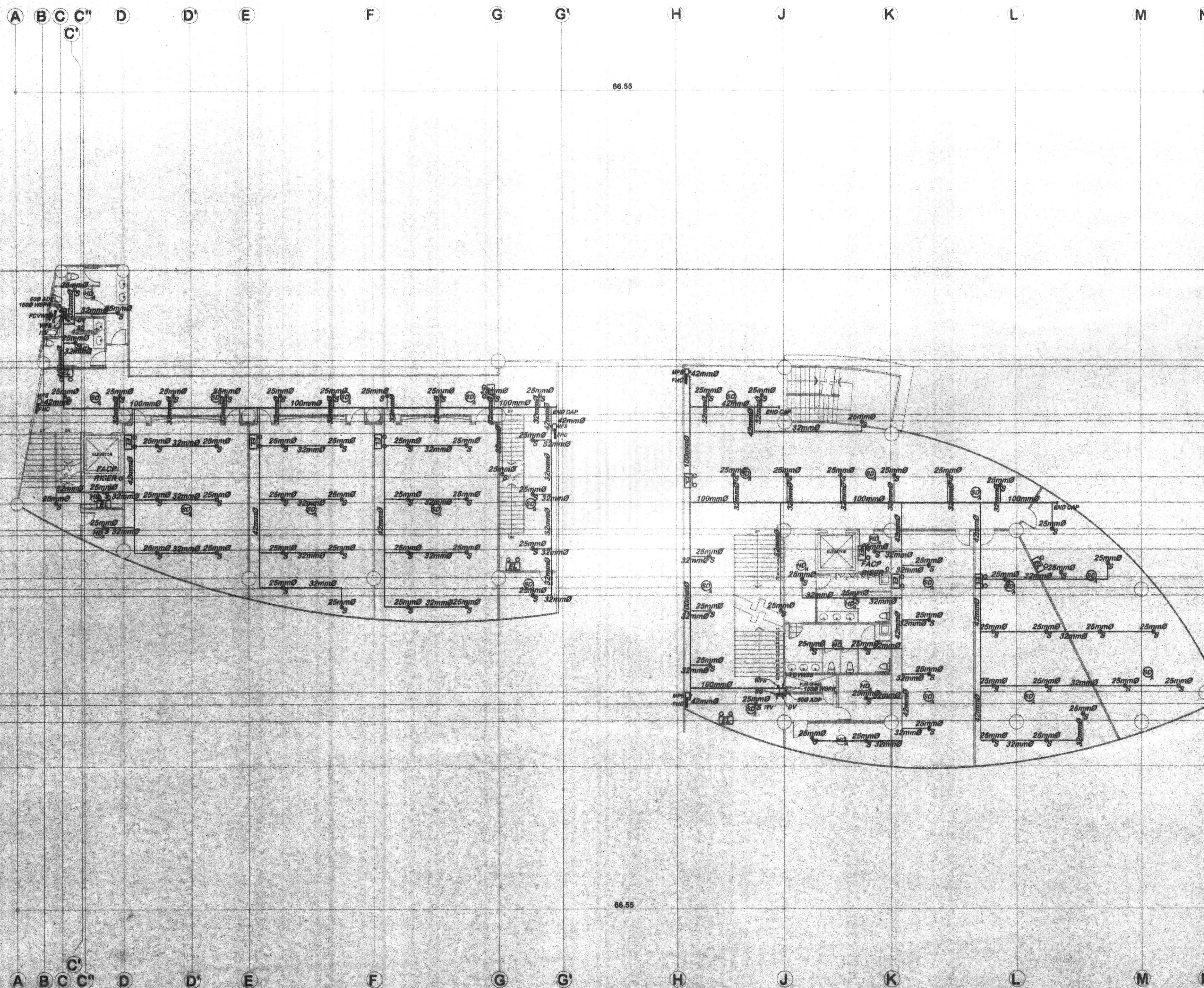
MUST PRESIDENT

SHEET TITLE: MECHANICAL SHEET NO.

SHEET CONTENTS: M3

THIRD FLOOR SPRINKLER LAYOUT MB2

153
198



SYMBOLS

- JP JOCKEY PUMP
- FP FIRE PUMP
- WSPR WET STAND PIPE RISER
- FC FLEXIBLE COUPLING
- PRV PRESSURE RELIEVE VALVE
- CV CHECK VALVE
- GV GATE VALVE
- ITC INSPECTOR TEST CONNECTOR
- SG SIGHT GLASS
- FCVWSS FLOOR CONTROL VALVE W/ SUPERVISORY SWITCH
- WFS WATER FLOW SWITCH
- DV DRAIN VALVE
- FHC FIREHOSE CABINET
- MPS MANUAL PUSH STATION
- FACP FIRE-ALARM CONTROL PANEL

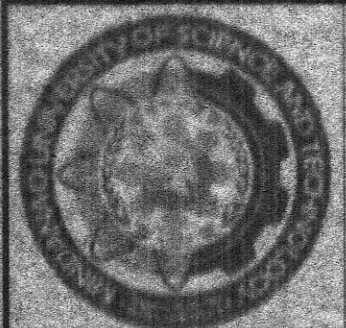
HD HEAT DETECTOR (ADDRESSABLE)

SD SMOKE DETECTOR (ADDRESSABLE)

SPRINKLER HEAD

FOURTH FLOOR SPRINKLER LAYOUT

SCALE 1:180M



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PRO REG. NO.: 2890 PTR NO.: 4084790
TIN: 181-491-377 DATE ISSUED: 01-26-15

PROJECT:

PROPOSED STUDENT CENTER & EDUCATION COMPLEX

LOCATION:

C.M. RECTO AVENUE LAPASAN, CAGAYAN DE ORO CITY

OWNER:

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RECOMMENDING APPROVAL:

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DIRECTOR, ADMINISTRATION

APPROVED:

Ricardo E. Rotoras
DR. RICARDO E. ROTORAS

MUST PRESIDENT

SHEET TITLE: MECHANICAL

SHEET CONTENTS:

FOURTH FLOOR
SPRINKLER LAYOUT

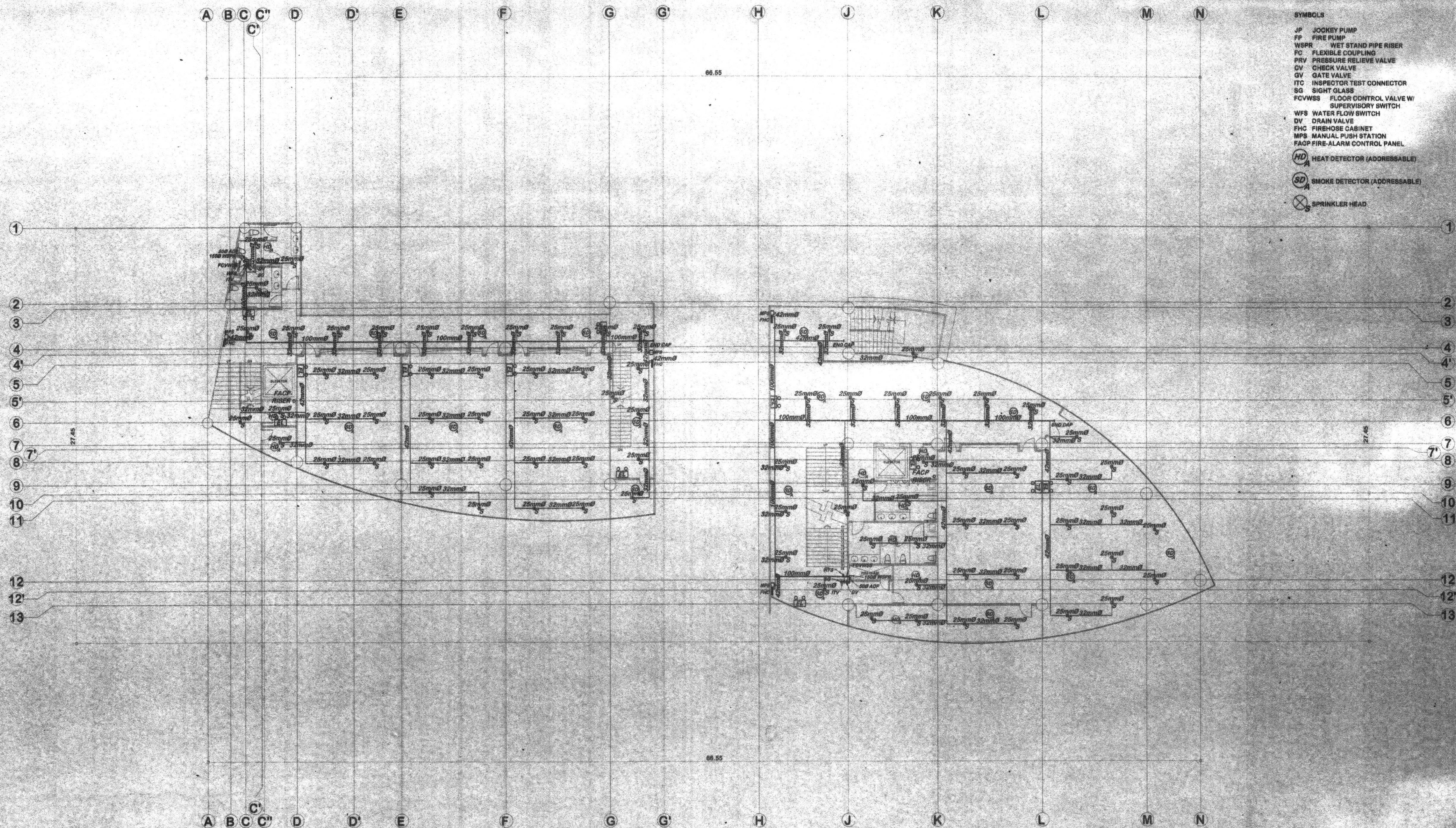
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M4

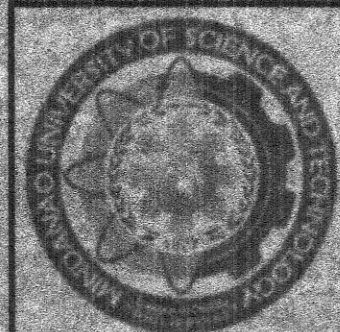
M22

159

198



FIFTH FLOOR SPRINKLER LAYOUT
SCALE 1:150M



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PRC REG. NO.: 2950 PTR NO.: 4064730

PROJECT:

PROPOSED STUDENT CENTER & EDUCATION COMPLEX

LOCATION:

C.M. RECTO AVENUE LAPASAN, CAGAYAN DE ORO CITY

OWNER:

MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY

RECOMMENDING APPROVAL:

ATTY. JONATHAN S. OCHE

DIRECTOR, ADMINISTRATION

APPROVED:

DR. RICARDO E. ROTORAS

MUSP PRESIDENT

SHEET TITLE: MECHANICAL

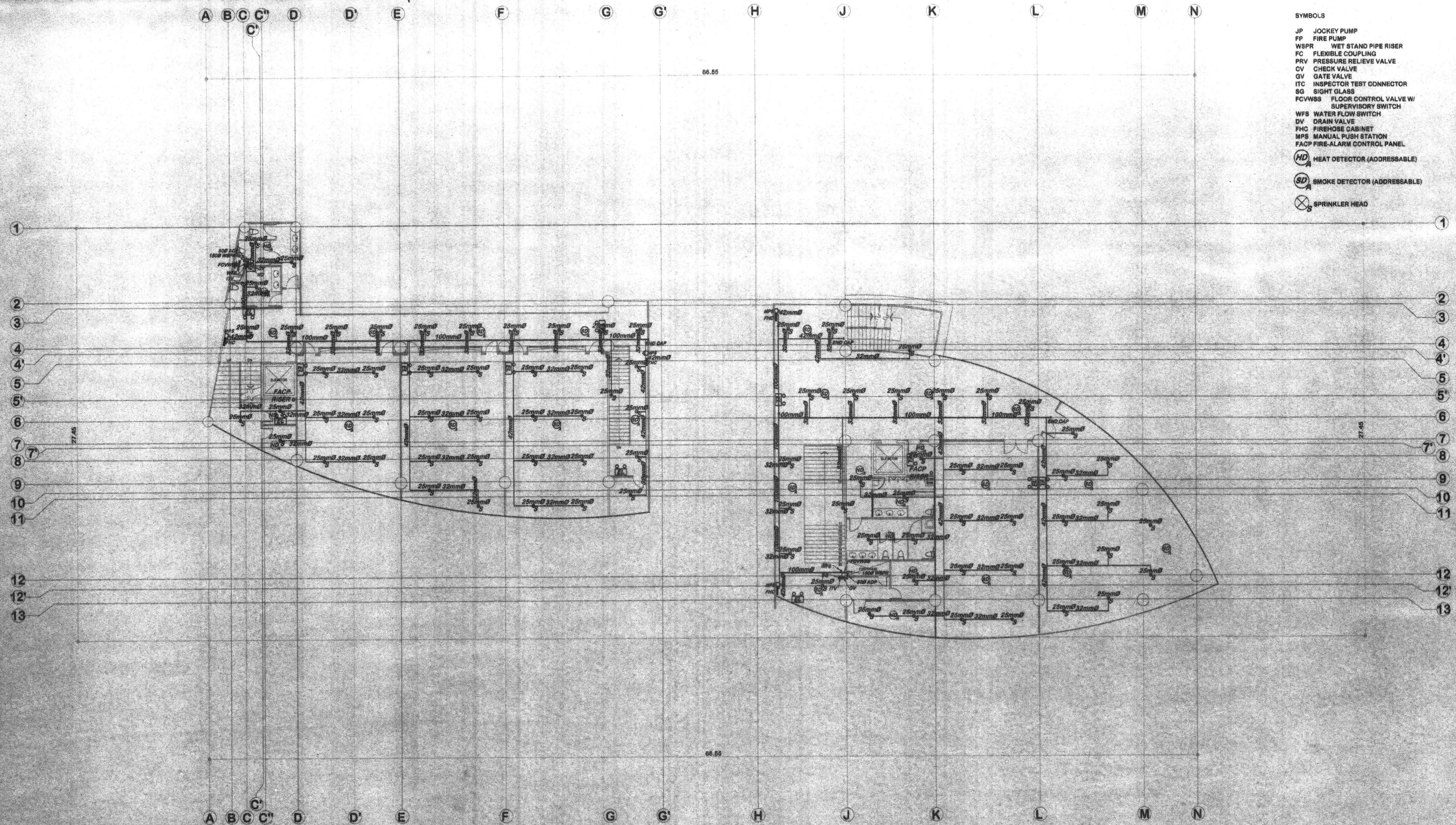
SHEET CONTENTS:

FIFTH FLOOR
SPRINKLER LAYOUT

SHEET NO.

M5
M22

160
173



- SYMBOLS
- JP JOCKEY PUMP
 - FP FIRE PUMP
 - WSPR WET STAND PIPE RISER
 - FC FLEXIBLE COUPLING
 - PRV PRESSURE RELIEVE VALVE
 - CV CHECK VALVE
 - GV GATE VALVE
 - ITC INSPECTOR TEST CONNECTOR
 - SG SIGHT GLASS
 - FCVWSS FLOOR CONTROL VALVE W/ SUPERVISORY SWITCH
 - WFS WATER FLOW SWITCH
 - DV DRAIN VALVE
 - FHC FIREHOSE CABINET
 - MPS MANUAL PUSH STATION
 - FACP FIRE-ALARM CONTROL PANEL
 - HD HEAT DETECTOR (ADDRESSABLE)
 - SD SMOKE DETECTOR (ADDRESSABLE)
 - SPRINKLER HEAD

SIXTH FLOOR SPRINKLER LAYOUT
SCALE 1:100M



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Web Site: www.mupc.com.edu

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PRC REG. NO. : 2 850
TIN : 191 431 377

PTR NO. : 4054730
DATE ISSUED: 01-26-15

PROJECT:

PROPOSED STUDENT CENTER & EDUCATION COMPLEX

LOCATION:

C.M. RECTO AVENUE LAPASAN, CAGAYAN DE ORO CITY
OWNER: MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY

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DIRECTOR, ADMINISTRATION

APPROVED:

[Signature]
DR. RICARDO E. ROTORAS
MUST PRESIDENT

SHEET TITLE: MECHANICAL

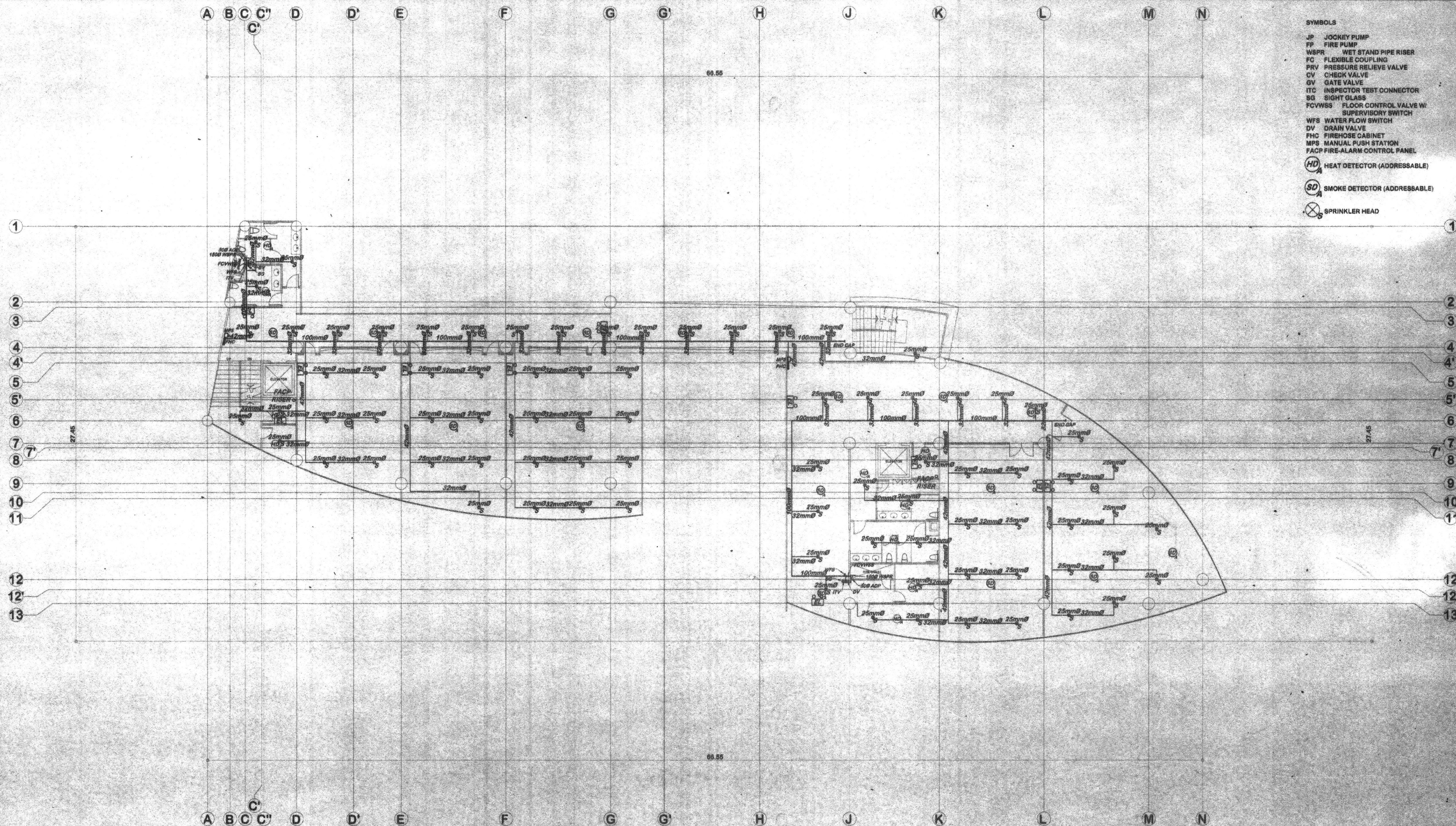
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SIXTH FLOOR
SPRINKLER LAYOUT

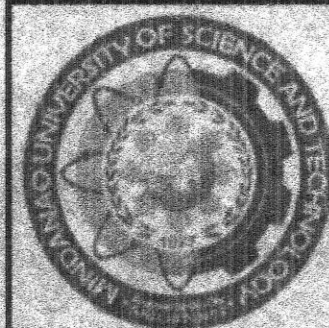
SHEET NO.

M6
M22

161
173



SEVENTH FLOOR SPRINKLER LAYOUT
SCALE 1:100M



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PRC REG. NO.: 2 850 PTR NO.: 4054730
TIN: 131 431 977

PROJECT:

PROPOSED STUDENT CENTER & EDUCATION COMPLEX

LOCATION:

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MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY

RECOMMENDING APPROVAL:

Jonathan S. Oche
ATTY. JONATHAN S. OCHE
DIRECTOR, ADMINISTRATION

APPROVED:

Dr. Ricardo E. Rotoras
DR. RICARDO E. ROTORAS
MUST PRESIDENT

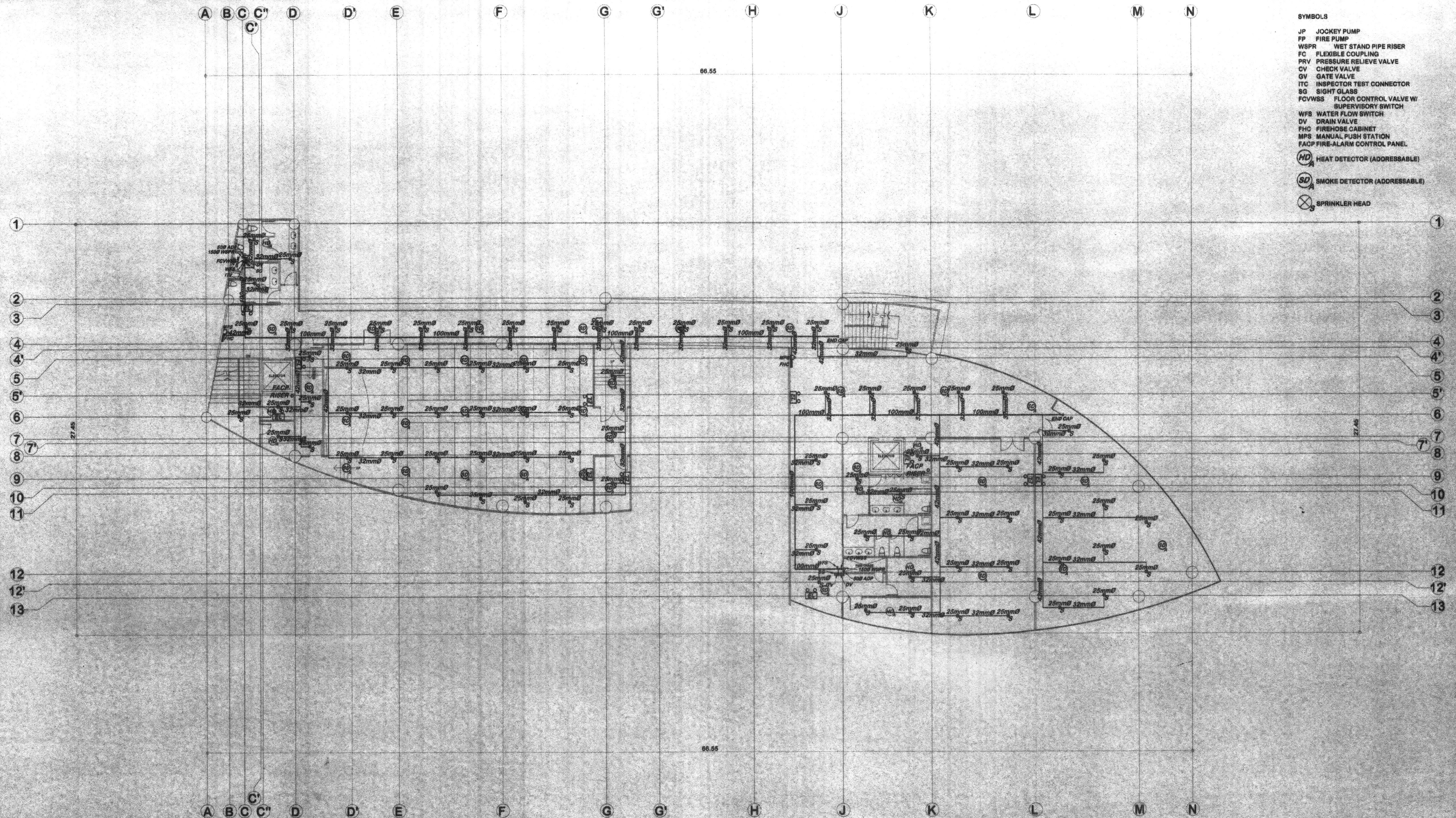
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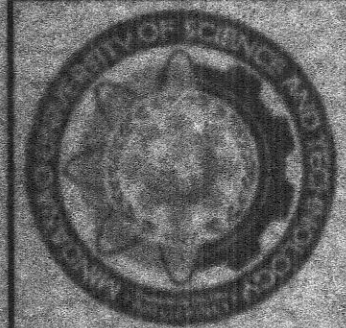
SEVENTH FLOOR
SPRINKLER LAYOUT

SHEET NO.

M17
M22
162
193



EIGHTH FLOOR SPRINKLER LAYOUT
SCALE 1:150M



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PREPARED BY:

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PRG REG. NO. : 2 850 PTR NO. : 4054730
TIN : 131 431 377 DATE ISSUED: 01-26-16

PROJECT:

PROPOSED STUDENT CENTER & EDUCATION COMPLEX

LOCATION:

C.M. RECTO AVENUE LAPASAN, CAGAYAN DE ORO CITY

OWNER:

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ATTY. JONATHAN S. OCHE

DIRECTOR, ADMINISTRATION

APPROVED:

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DR. RICARDO E. ROTORAS

VICE PRESIDENT

SHEET TITLE: MECHANICAL

SHEET NO.

SHEET CONTENTS:

M8

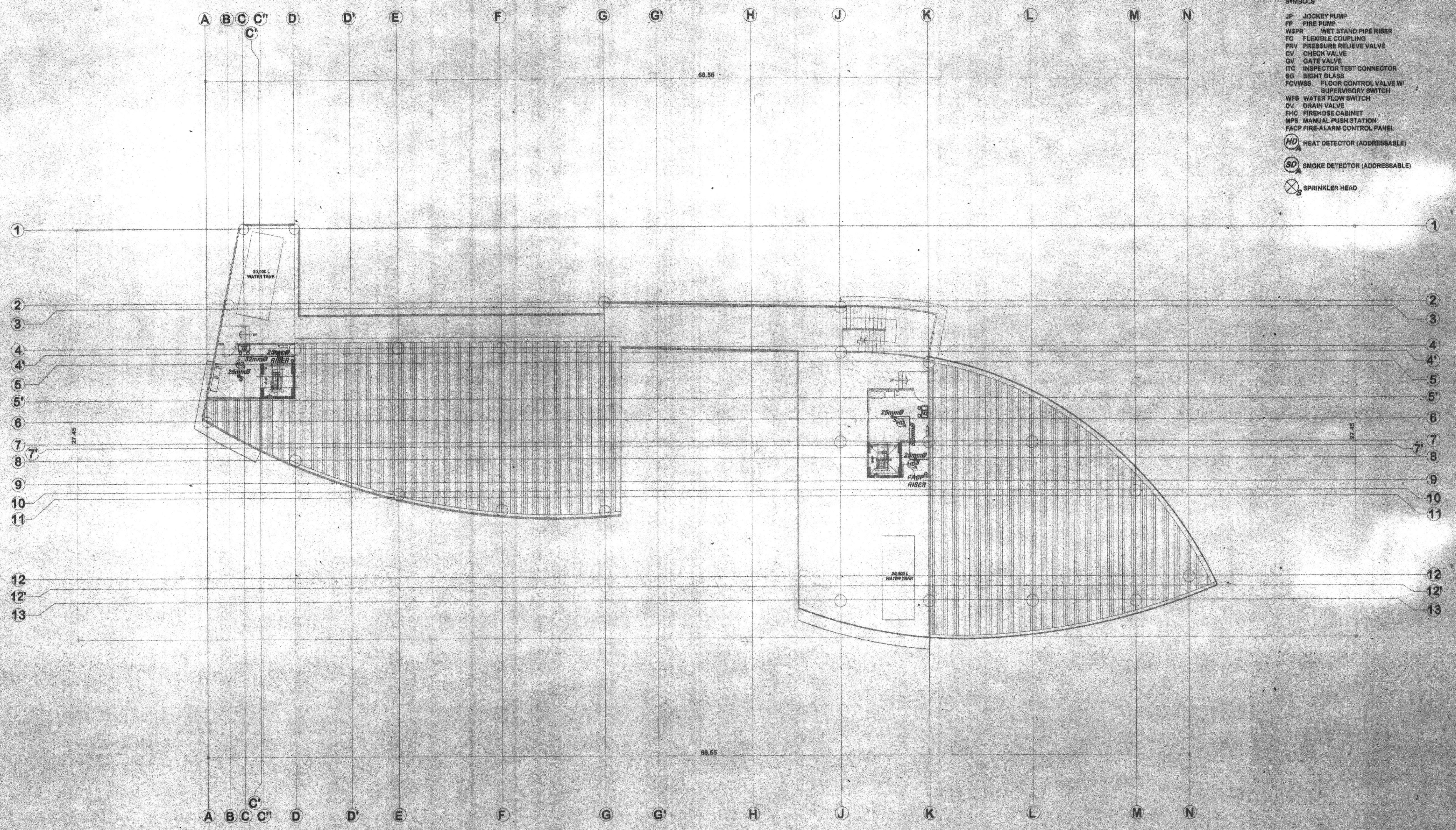
EIGHTH FLOOR

M22

SPRINKLER LAYOUT

163

198



- SYMBOLS**
- JP JOCKEY PUMP
 - FP FIRE PUMP
 - WSPR WET STAND PIPE RISER
 - FC FLEXIBLE COUPLING
 - PRV PRESSURE RELIEVE VALVE
 - CV CHECK VALVE
 - GV GATE VALVE
 - ITC INSPECTOR TEST CONNECTOR
 - SG SIGHT GLASS
 - FCVWBS FLOOR CONTROL VALVE W/ SUPERVISORY SWITCH
 - WFS WATER FLOW SWITCH
 - DV DRAIN VALVE
 - FHC FIREHOSE CABINET
 - MPS MANUAL PUSH STATION
 - FACP FIRE-ALARM CONTROL PANEL
 - HD HEAT DETECTOR (ADDRESSABLE)
 - SD SMOKE DETECTOR (ADDRESSABLE)
 - SPRINKLER HEAD

ROOF DECK SPRINKLER LAYOUT
SCALE 1:150M



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PRC REG. NO.: 2-850 PTR NO.: 4054730
TIN: 131-491-377

PROJECT: **PROPOSED STUDENT CENTER & EDUCATION COMPLEX**
LOCATION: C.M. RECTO AVENUE LAPASAN, CAGAYAN DE ORO CITY
OWNER: MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY

RECOMMENDING APPROVAL:
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DIRECTOR, ADMINISTRATION

APPROVED:
[Signature]
DR. RICARDO E. ROTORAS
MUST PRESIDENT

SHEET TITLE: MECHANICAL
SHEET CONTENTS:
ROOF DECK SPRINKLER LAYOUT
SHEET NO.: 164
198

