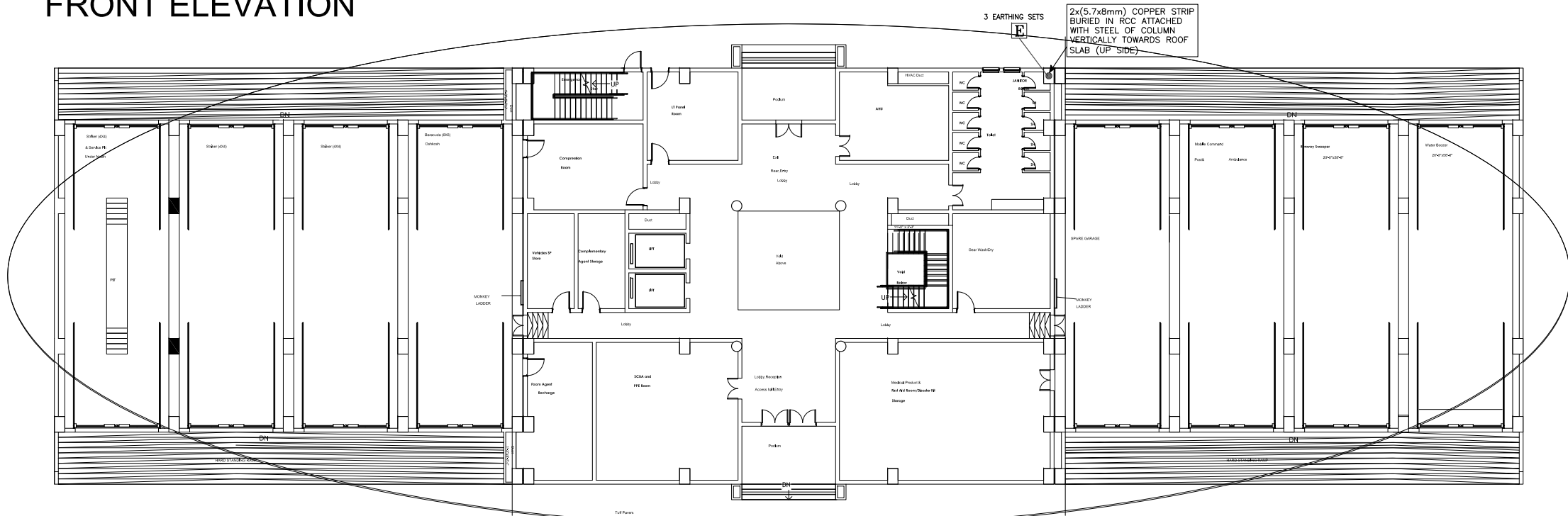
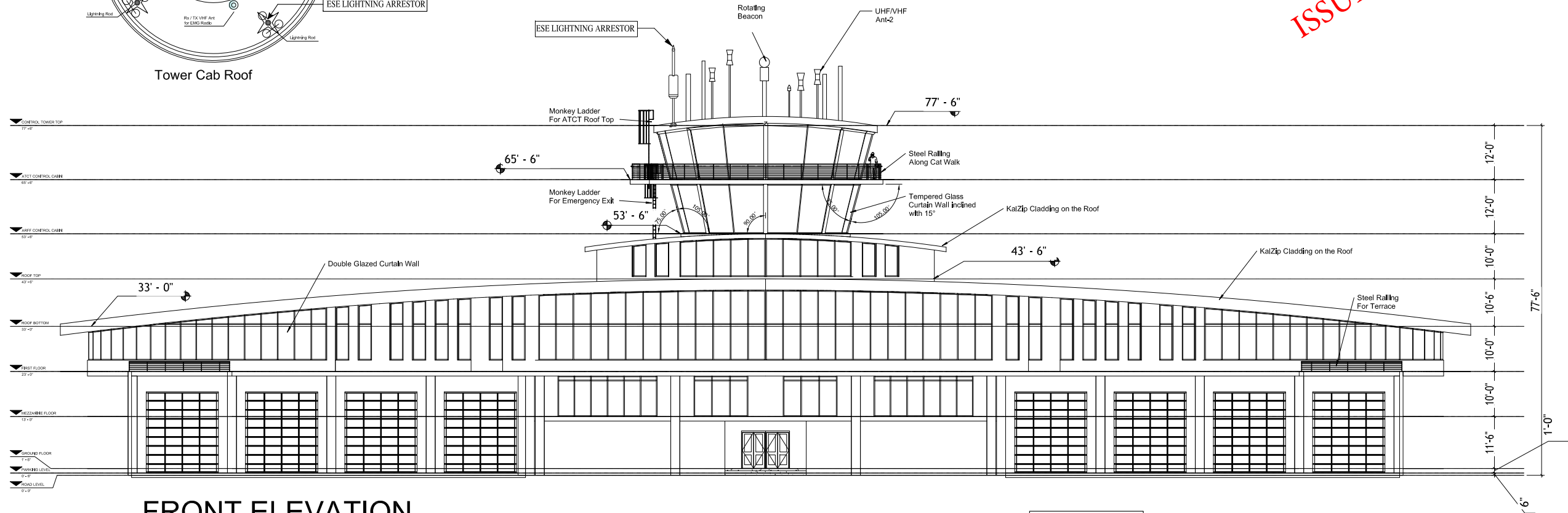
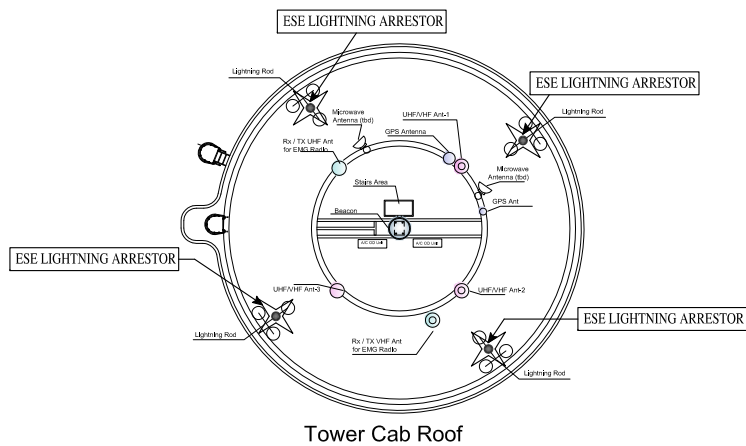




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Ph: 042-35831908, 0300813321, E-mail: arengineers78@gmail.com

MEP CONSULTANT



Project Name

Consultancy Services for New Air Traffic Control Tower (ATCT), Fire Station and Allied Facilities at Skardu International Airport

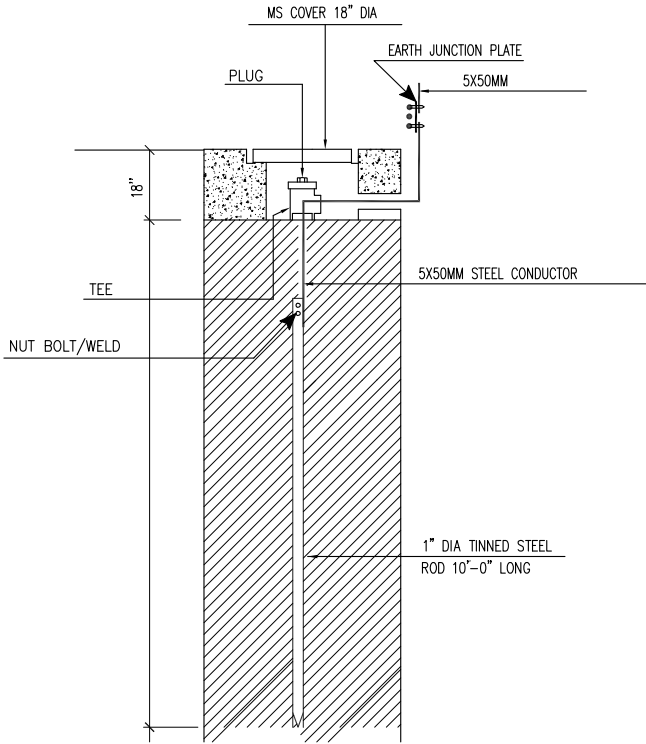
DETAILED ELECTRICAL Design Drawings

Sheet Name

LIGHTNING PROTECTION SYSTEM LAYOUT

Date	April, 2026
Scale	NTS
Drawn by	A.S.B
Checked by	M.K
Approved by	M.F
Drawing No.	E-53

"L" TYPE EARTHING



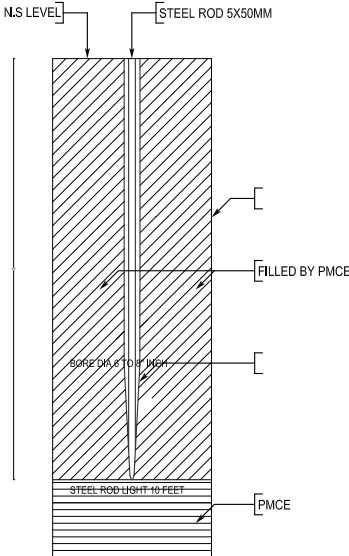
FOR LIGHTNING
ARRESTER SYSTEMS

L EARTH POINT
LAE LIGHTNING ARRESTER
EARTH

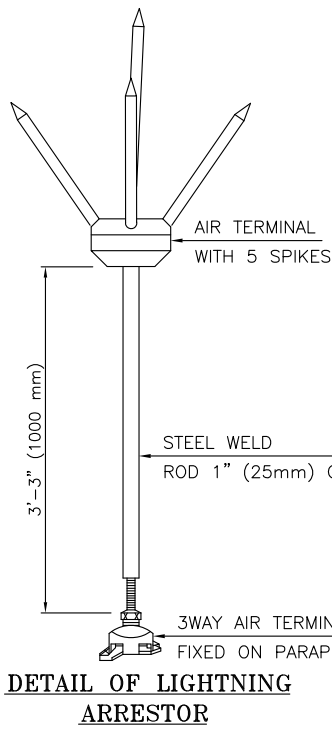
"L" TYPE
EARTHING QTY-4

NOTES FOR EARTHING SYSTEM

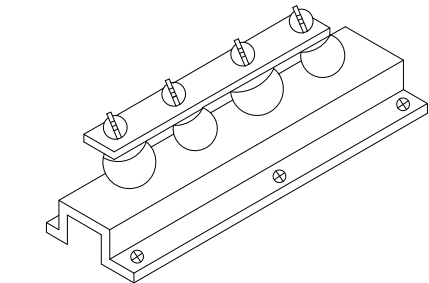
1. EARTH BORE SHALL BE MADE AT 6'-0" AWAY FROM FOUNDATION.
2. DISTANCE BETWEEN 2 EARTH BORES SHALL NOT BE LESS THEN 10 ft (3m)
3. JOINTS SHALL BE COVERED WITH BITUMEN
4. CONTRACTOR TO MEASURE EARTHING RESISTANCE IN THE PRESENCE OF SITE ENGINEER. BOTH THE SITE ENGINEER AND CONTRACTOR SHALL SIGN THE EARTH TESTING RESULT AND SUBMIT IT TO THE CLIENT FOR RECORD.



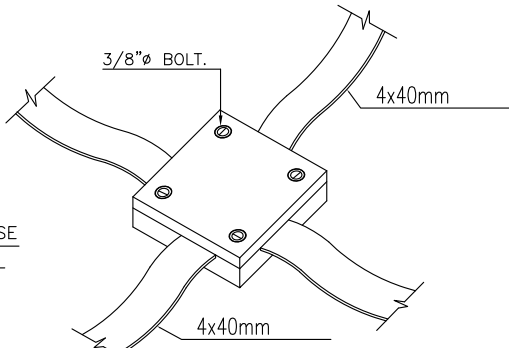
EARTHING DETAIL



DETAIL OF LIGHTNING
ARRESTOR

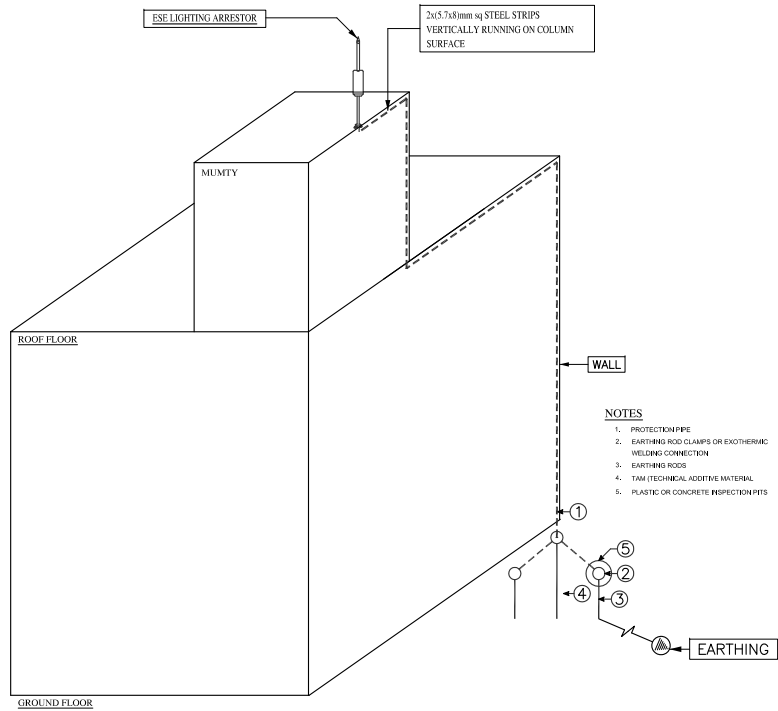
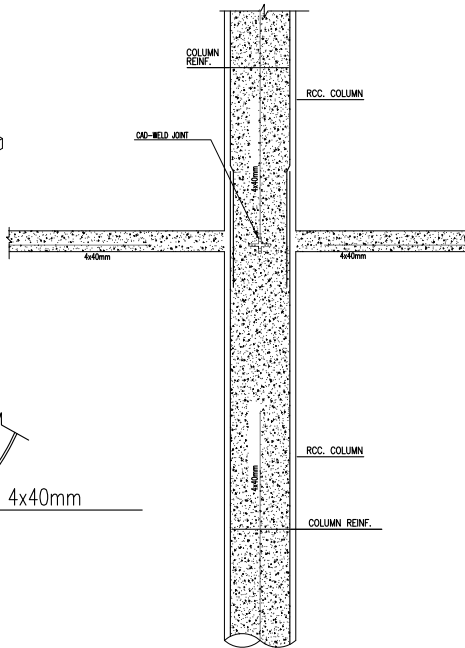


DISCONNECTING LINK



ISOMATRIC VIEW.

DETAIL FOR CROSSING
OF STEEL STRIP.



ISSUE FOR TENDER

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MEP CONSULTANT



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Cell no: 0322-3924199
E-mail: abstractorseng@gmail.com

Project Name

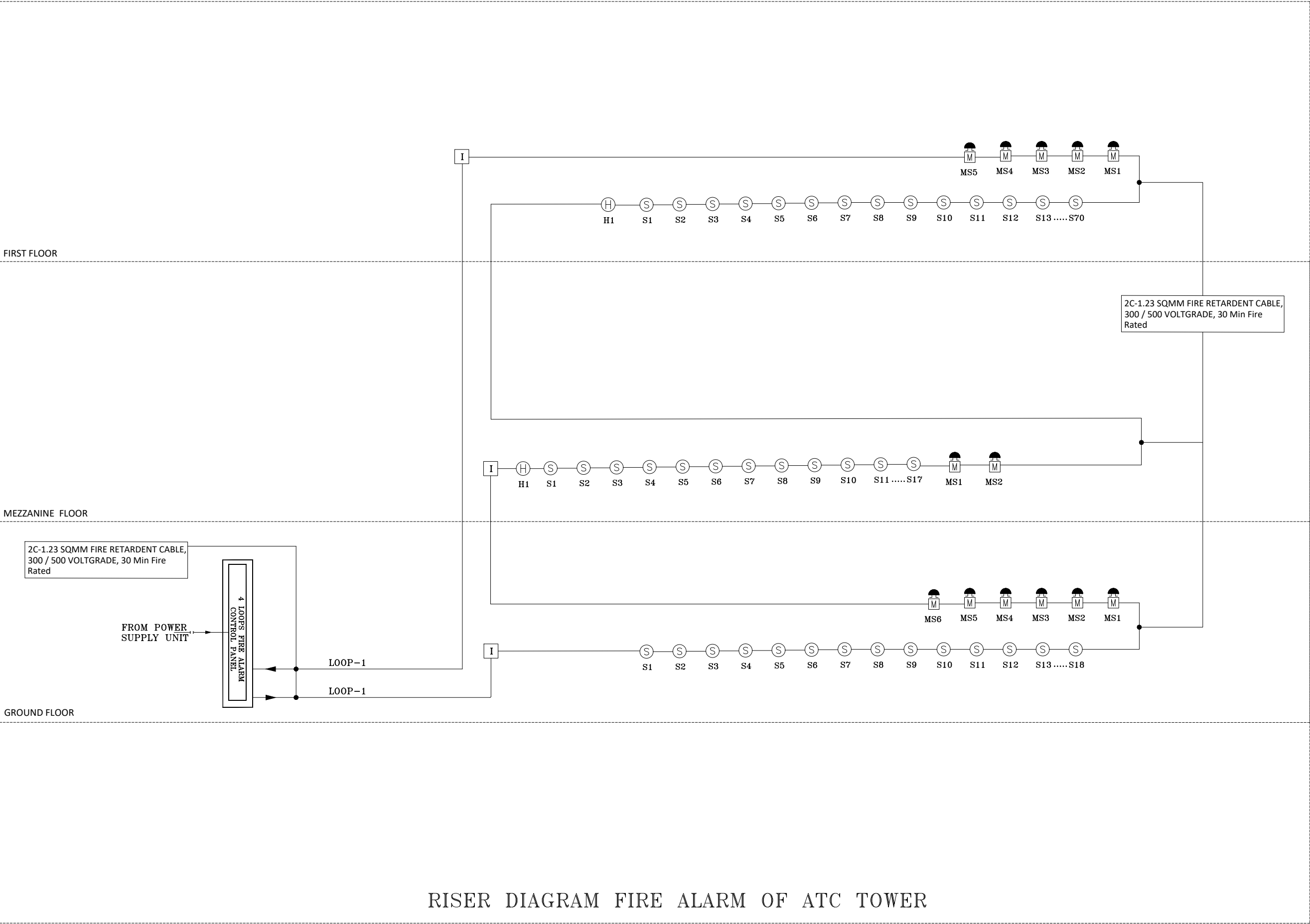
Consultancy Services for
New Air Traffic Control Tower
(ATCT), Fire Station and Allied
Facilities at Skardu
International Airport

DETAILED ELECTRICAL
Design Drawings

Sheet Name

EARTHING DETAILS SYSTEM LAYOUT

Date	April, 2026
Scale	NTS
Drawn by	A.S.B
Checked by	M.K
Approved by	M.F
Drawing No.	E-54



RISER DIAGRAM FIRE ALARM OF ATC TOWER

ISSUED FOR REVIEW

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CLIENT NAME

PAA

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Formerly Anwar Ali & Associates Since March 2006 to June 2018

Consulting Architects, Engineers, Planners & Management Consultants

JV MEMBERS

GOVT OF PAKISTAN

CONSULTANT

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ABSTRACTORS

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E-mail: abstractorseng@gmail.com

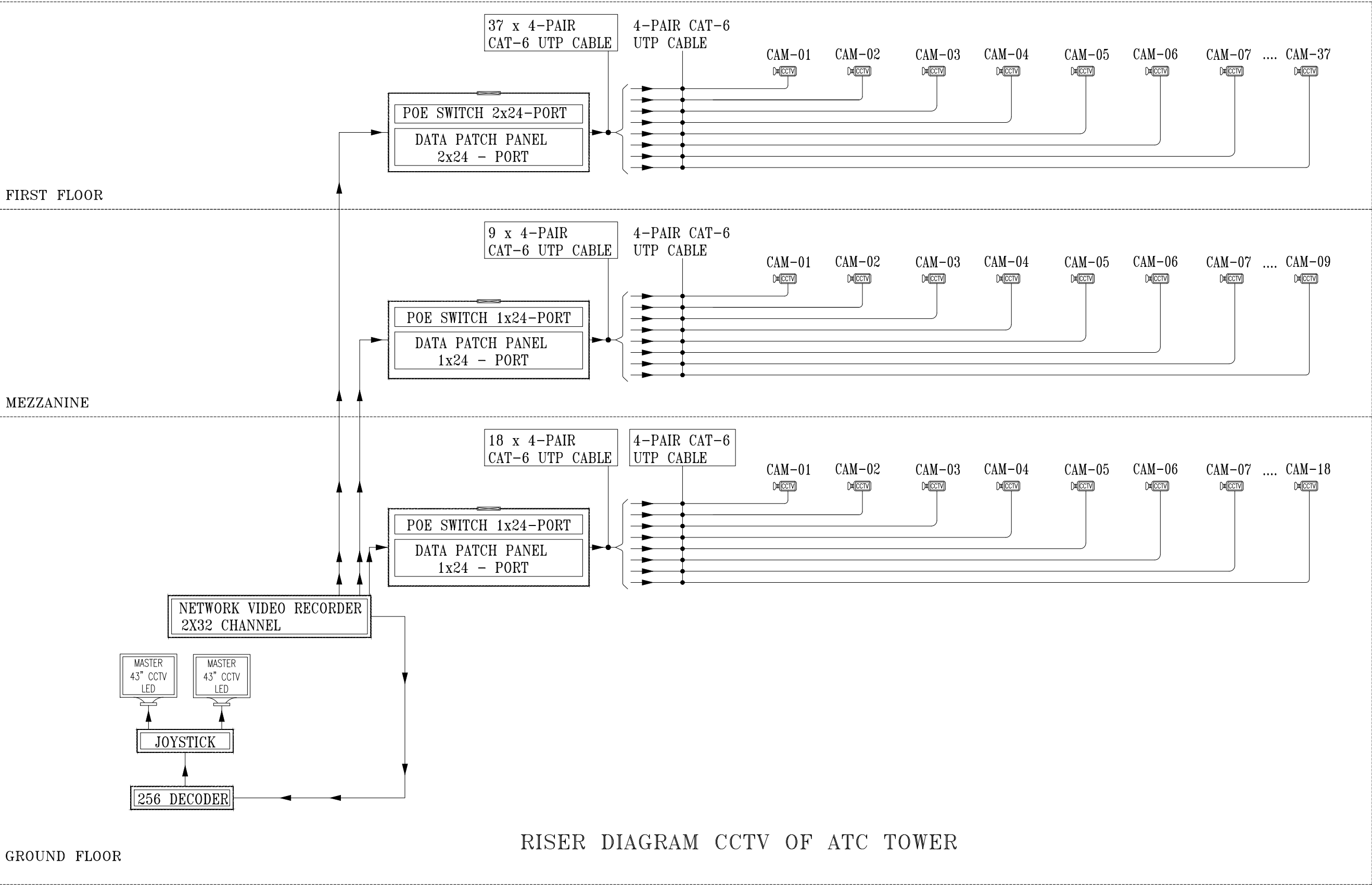
Project Name

Consultancy Services for the
Preparation of Detailed Design,
Procurement Support and
Construction Supervision of
New Air Traffic Control Tower
(ATCT), Fire Station and Allied
Facilities at Skardu
International Airport

Sheet Name

FIRE ALARM RISER DIAGRAM

Date	APRIL, 2026
Scale	NTS
Drawn by	A.S.B
Checked by	M.K
Approved by	M.F
Drawing No.	E-55



RISER DIAGRAM CCTV OF ATC TOWER

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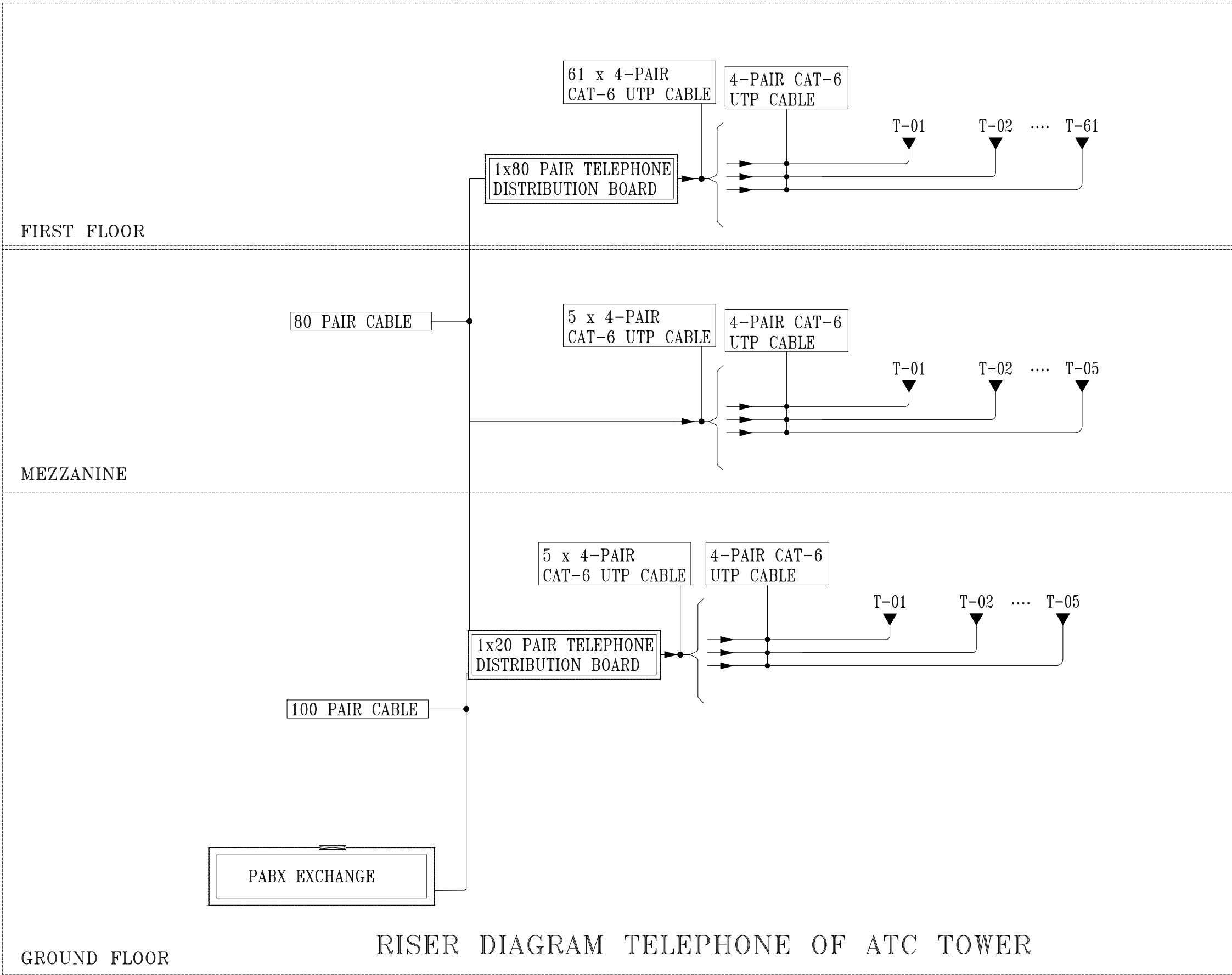
Project Name

Consultancy Services for the
Preparation of Detailed Design,
Procurement Support and
Construction Supervision of
New Air Traffic Control Tower
(ATCT), Fire Station and Allied
Facilities at Skardu
International Airport

Sheet Name

CCTV RISER DIAGRAM

Date	APRIL, 2026
Scale	NTS
Drawn by	A.S.B
Checked by	M.K
Approved by	M.F
Drawing No.	E-56



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Project Name

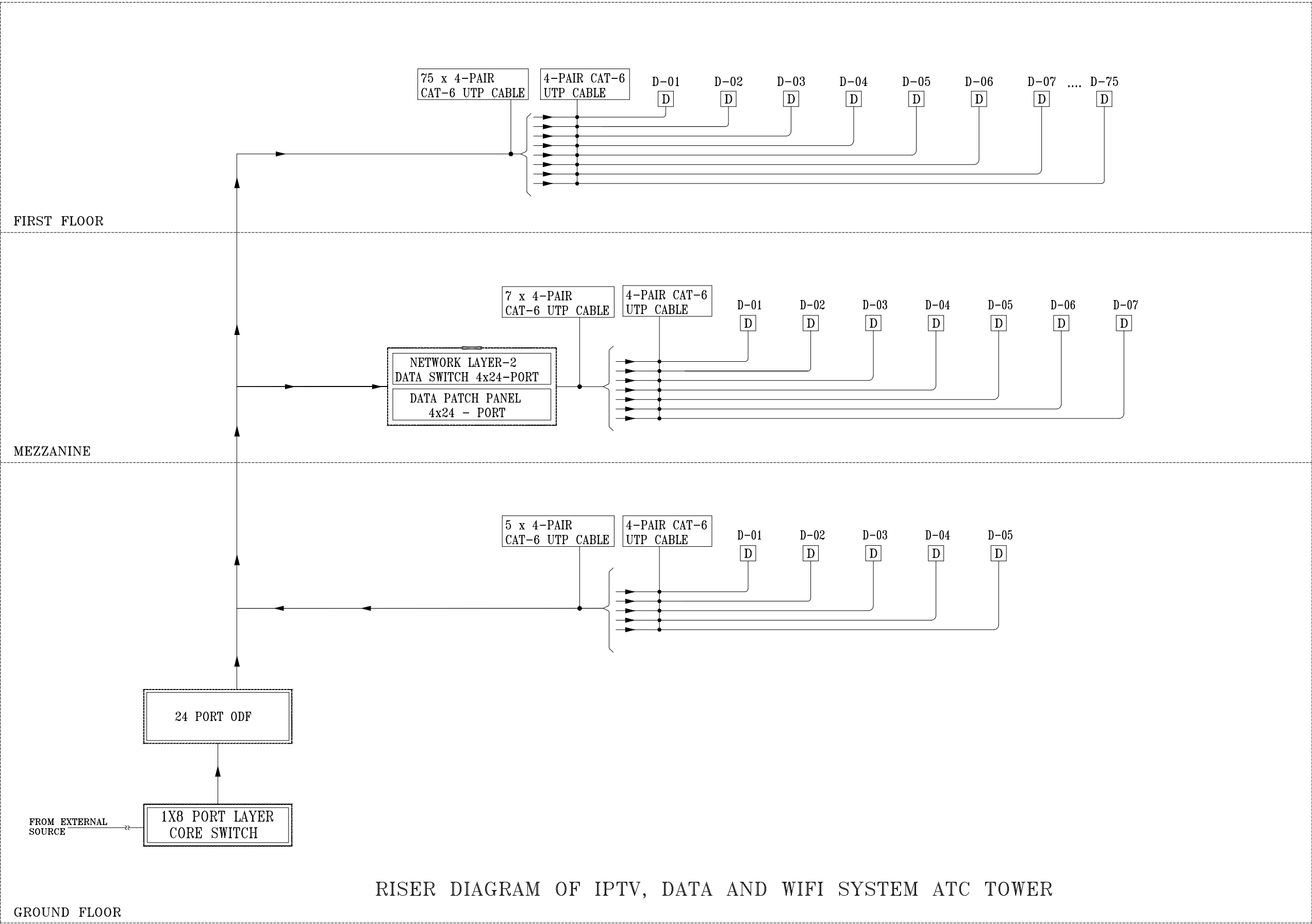
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Preparation of Detailed Design,
Procurement Support and
Construction Supervision of
New Air Traffic Control Tower
(ATCT), Fire Station and Allied
Facilities at Skardu
International Airport**

Sheet Name

TELEPHONE RISER DIAGRAM

Date	APRIL, 2026
Scale	NTS
Drawn by	A.S.B
Checked by	M.K
Approved by	M.F
Drawing No.	E-57

ISSUED FOR REVIEW



RISER DIAGRAM OF IPTV, DATA AND WIFI SYSTEM ATC TOWER

ISSUED FOR REVIEW

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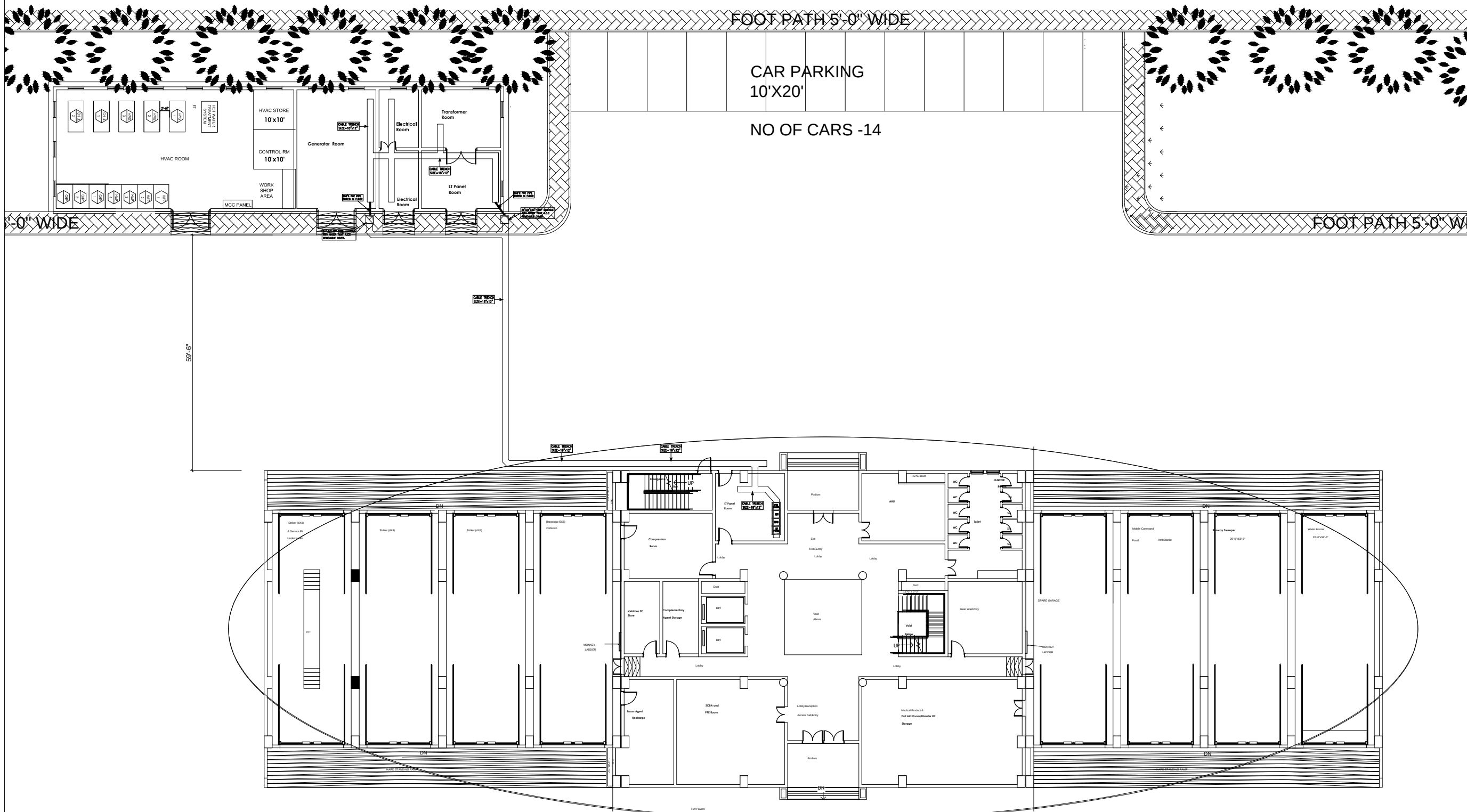
Project Name

Consultancy Services for the Preparation of Detailed Design, Procurement Support and Construction Supervision of New Air Traffic Control Tower (ATCT), Fire Station and Allied Facilities at Skardu International Airport

Sheet Name

DATA NETWORKING RISER DIAGRAM

Date	APRIL, 2026
Scale	NTS
Drawn by	A.S.B
Checked by	M.K
Approved by	M.F
Drawing No.	E-58



GROUND FLOOR PLAN

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Project Name

Consultancy Services for New Air Traffic Control Tower (ATCT), Fire Station and Allied Facilities at Skardu International Airport

DETAILED ELECTRICAL Design Drawings

Sheet Name

CABLE TRENCH LAYOUT

Date	April, 2026
Scale	NTS
Drawn by	A.S.B
Checked by	M.K
Approved by	M.F
Drawing No.	E-59

ISSUE FOR TENDER

LIGHT FIXTURES

S.NO	SYMBOLS	DESCRIPTION	MOUNTING HEIGHT
1		6”/4”x48” DOWN LIGHT RECTANGULAR OFFICE	FALSE CEILING OR SLAB
2		DISTRIBUTION BOARD FOR LIGHTING CIRCUIT & SMALL POWER	2’-6” F.F.L OR IN FLOOR

WIRING ACCESSORIES

S.NO	SYMBOLS	DESCRIPTION	MOUNTING HEIGHT
1		10 AMPS, ONE WAY AND TWO WAYS GANG TYPE SWITCH NUMBER OF SWITCHES ON SWITCH PLATE	3’-6” F.F.L
2		UNIVERSAL/MULTI PIN SWITCH SOCKET UTILITY	3’-6” F.F.L
3		UNIVERSAL/MULTI PIN SWITCH SOCKET UTILITY	0’-9” F.F.L
4		UNIVERSAL/MULTIPIN SWITCH SOCKET-UPS	0’-9” F.F.L
5		15 AMPS 3-ROUND PIN SWITCH SOCKET	0’-9” F.F.L
6		15 AMPS 3-ROUND PIN SWITCH SOCKET	3’-6” F.F.L
7		20 AMPS 3-ROUND PIN SWITCH SOCKET	3’-6” F.F.L
8		INDUSTRIAL POWER SOCKET (THREE-PHASE)	0’-9” F.F.L
9		INDUSTRIAL POWER SOCKET (SINGLE-PHASE)	0’-9” F.F.L
10		TECHNOLOGY BOX MADE OF M.S SHEET OF 16 SWG OF SIZE 14”x4”, CONSISTING OF 1- UNIVERSAL/MULTI PIN SWITCH SOCKET UTILITY 2- UNIVERSAL/MULTIPIN SWITCH SOCKET-UPS 3- RJ-45 DUPLEX, 1 NO. FOR DATA	2’-6” F.F.L
11		WIRING IN 1”DIA PVC CONDUIT	IN WALL, SLAB OR FLOOR

FIRE ALARM SYSTEM

S.NO	SYMBOLS	DESCRIPTION	MOUNTING HEIGHT
1		HEAT DETECTOR RATE OF TEMPERATURE TYPE	ON FALSE CEILING
2		SMOKE DETECTOR NON IONIZATION TYPE.	ON FALSE CEILING
3		ALARM SOUNDER	7’-0”F.F.L
4		MANUAL BREAK GLASS UNIT	3’-6”F.F.L
5		FIRE ALARM JUNCTION BOX	6” TO 9” BELOW SLAB BUT ABOVE FALSE CEILING
6		FIRE ALARM CONTROL PANEL	4’-0”F.F.L
7		WIRING IN 1”DIA PVC FOR FIRE ALARM SYSTEM	ON SLAB AFC

CLOSE CIRCUIT T.V SYSTEM

S.NO	SYMBOLS	DESCRIPTION	MOUNTING HEIGHT
1		CLOSE CIRCUIT TV CAMERA	-ON WALL 7’-0” -ON SLAB
2		WIRING IN 1”DIA PVCC FOR CCTV SYSTEM	IN WALL, SLAB OR FLOOR
3		CCTV JUNCTION BOX (IF REQ.)	6” TO 9” BELOW SLAB BUT ABOVE FALSE CEILING
4		NETWORK VIDEO RECORDER	AS PER SITE
5		CAT-6 4P UTP CABLE 23 AWG, LSZH TYPE	IN CONDUIT

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MEP CONSULTANT



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Cell no: 0322-3924199
E-mail: abstractorseng@gmail.com

Project Name

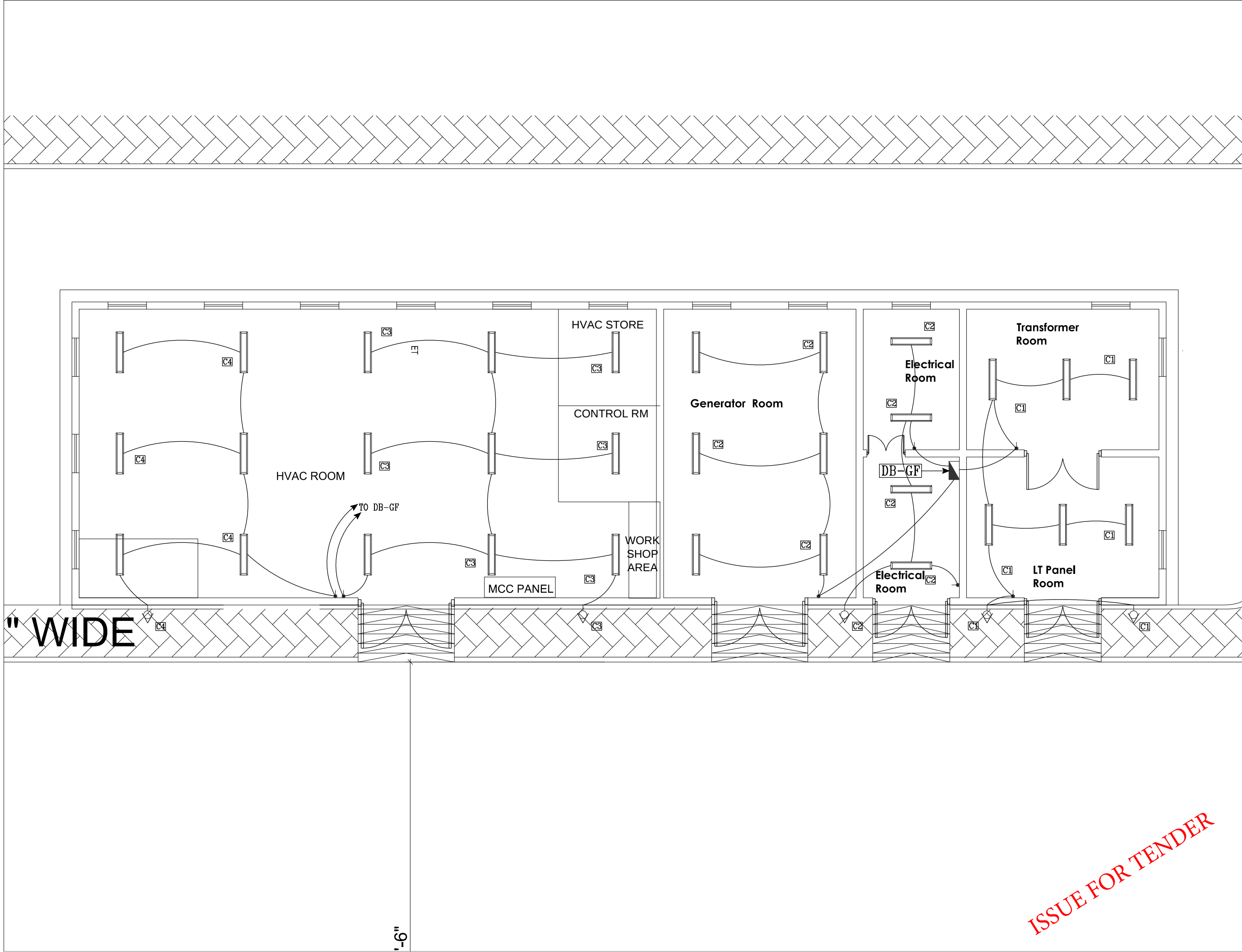
Consultancy Services for
New Air Traffic Control Tower
(ATCT), Fire Station and Allied
Facilities at Skardu
International Airport

DETAILED ELECTRICAL Design Drawings

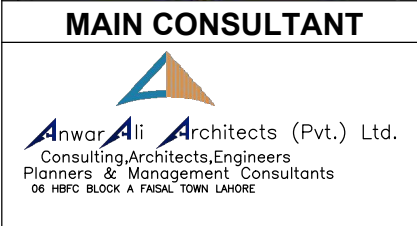
Sheet Name

MAIN LEGEND

Date	April, 2026
Scale	NTS
Drawn by	A.S.B
Checked by	M.K
Approved by	M.F
Drawing No.	E-60



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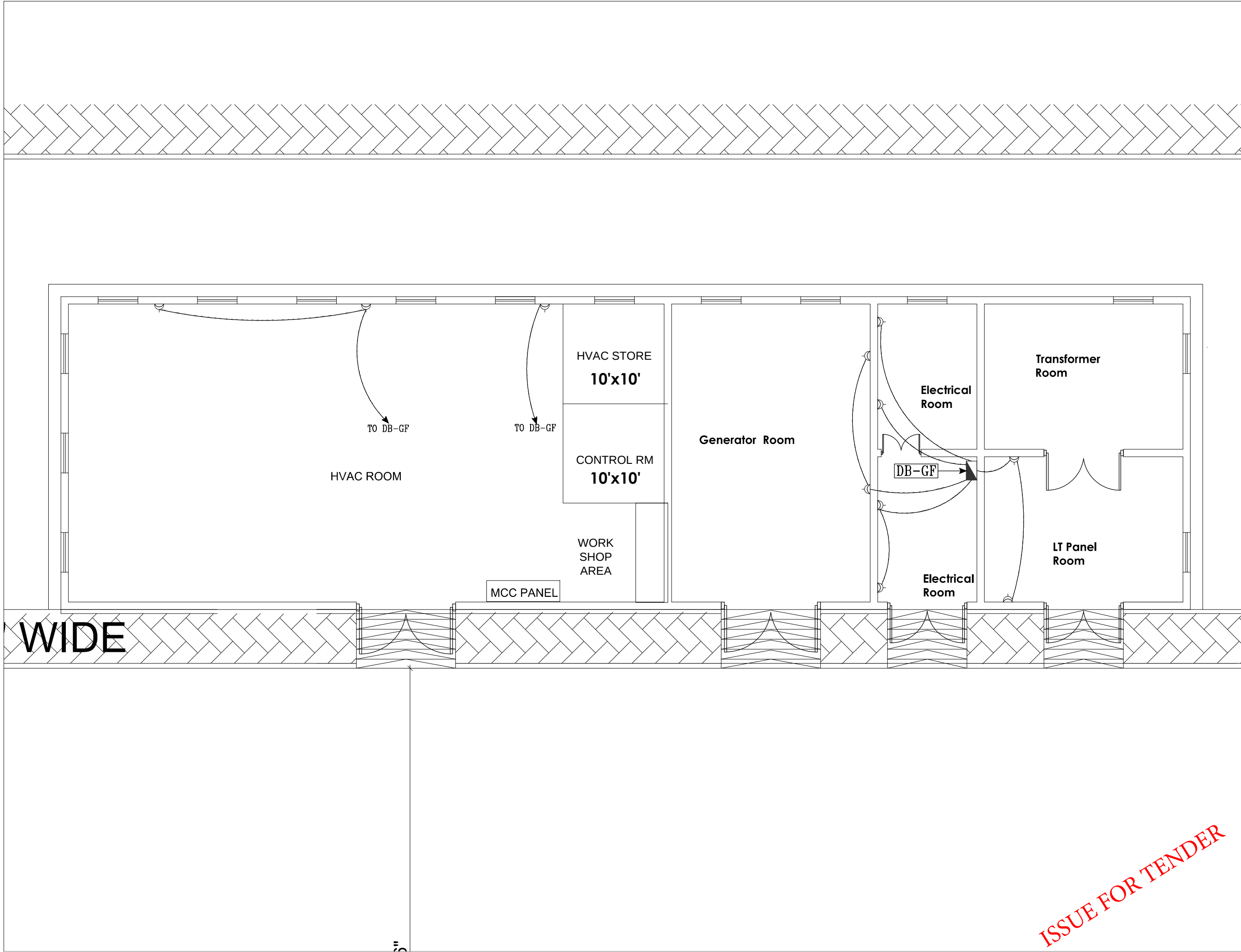


Project Name
Consultancy Services for New Air Traffic Control Tower (ATCT), Fire Station and Allied Facilities at Skardu International Airport

DETAILED ELECTRICAL Design Drawings

Sheet Name	
LIGHTING LAYOUT PLAN	
Date	April, 2026
Scale	NTS
Drawn by	A.S.B
Checked by	M.K
Approved by	M.F
Drawing No.	E-61

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MEP CONSULTANT  ABSTRACTORS MEP CONSULTANT SUITE-14,3RD FLOOR JINNAH MALL IZMIR TOWN, IHR Cell no: 0322-3924199 E-mail: abstractorseng@gmail.com	
Project Name Consultancy Services for New Air Traffic Control Tower (ATCT), Fire Station and Allied Facilities at Skardu International Airport	
DETAILED ELECTRICAL Design Drawings	
Sheet Name	
POWER SOCKETS LAYOUT	
Date	April, 2026
Scale	NTS
Drawn by	A.S.B
Checked by	M.K
Approved by	M.F
Drawing No.	E-62