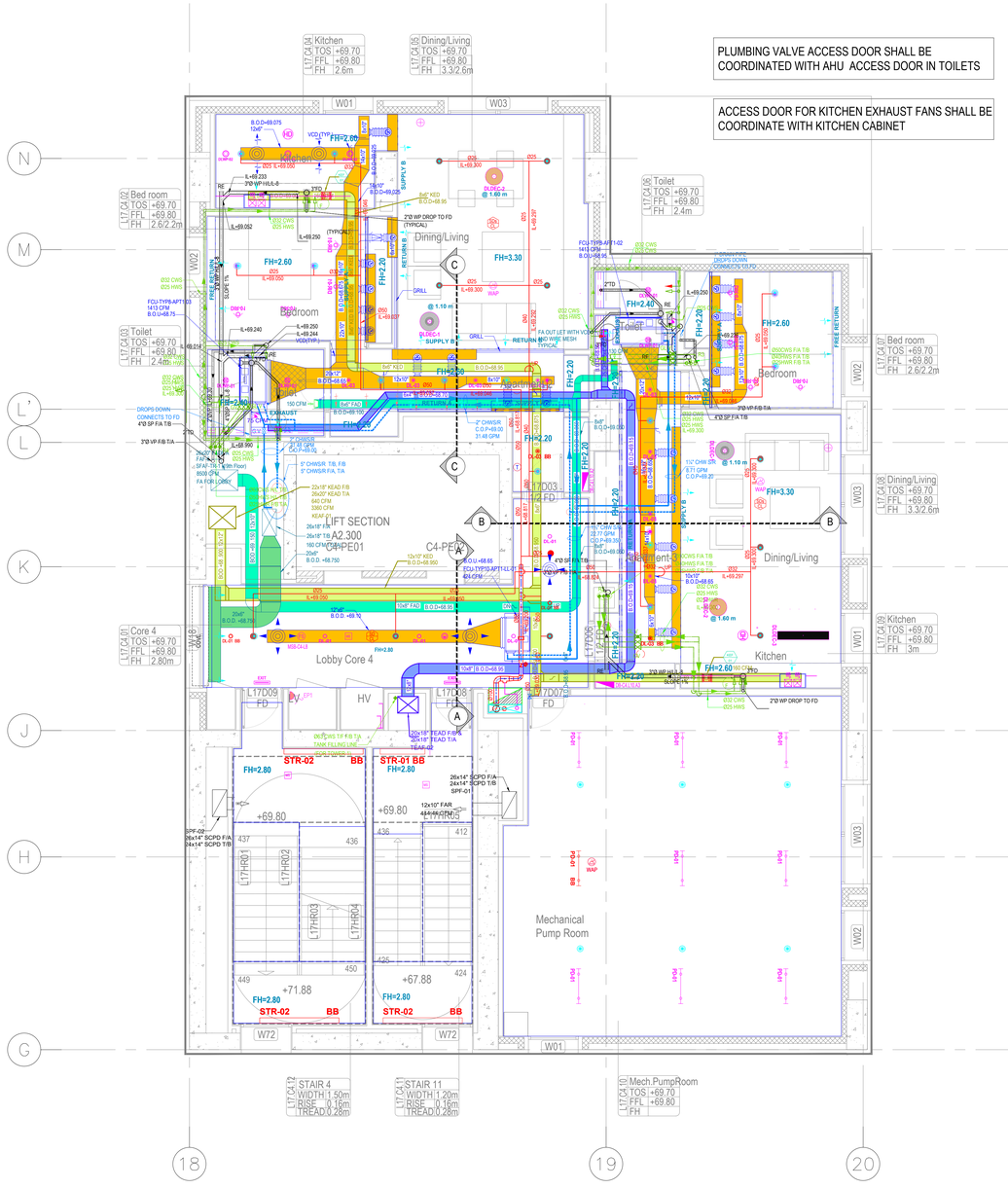
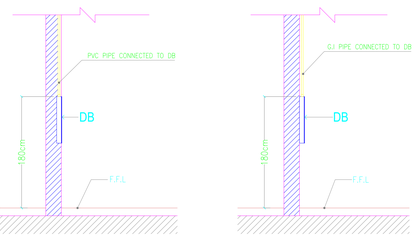
PLUMBING VALVE ACCESS DOOR SHALL BE COORDINATED WITH AHU ACCESS DOOR IN TOILETS

ACCESS DOOR FOR KITCHEN EXHAUST FANS SHALL BE COORDINATE WITH KITCHEN CABINET

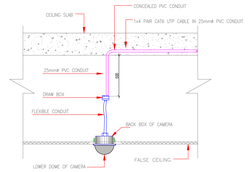


L17 - TOWER - 1



INSTALLATION OF A DB RECESSED TYPE

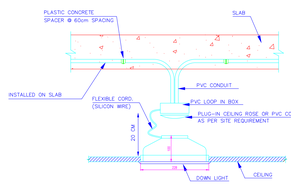
INSTALLATION OF A DB WALL MOUNTED TYPE



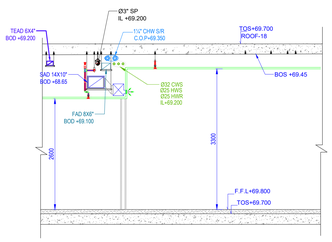
TYPICAL DETAIL FOR CEILING MOUNT DOME CAMERA

[Scale : N.T.S.]

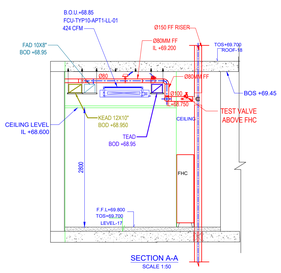
NOTE:- CAMERAS SUPPLY AND INSTALLION NOT IN GEC SCOPE OF WORK THIS SECTION ONLY TO SHOW THE CAMERAS HEIGHTS BASED ON CONSULTANT REQUIREMENTS ON REV-0"



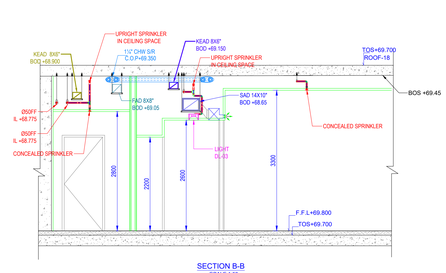
RECESSED LIGHT POINT INSTALLATION DETAILS WITH CONDUIT IN CONCRETE SLABS FALSE CEILING (TYPICAL)



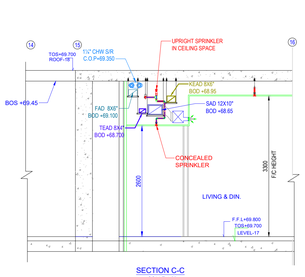
SECTION D-D
SCALE 1:50



SECTION A-A
SCALE 1:50



SECTION B-B
SCALE 1:50



SECTION C-C
SCALE 1:50

LINE TYPE – LEGENDS :

- SOIL & WASTE PIPE (SP)
- RAIN WATER PIPE (RWP)
- VENT PIPE (VP)
- COLD WATER SUPPLY (CWS)
- HOT WATER SUPPLY (HWS)
- HOT WATER RETURN (HWR)
- FIRE PIPE (FP)
- CHILLED WATER SUPPLY (CWS)
- CHILLED WATER RETURN (CWR)

Symbol	Type	Name	Image	Manufacturer
	DOWN LIGHT suspended surface mounted compact florescent 42 W	xxxxx		xxxxxx
	DOWN LIGHT recessed halogen 35-50W	xxxxx		xxxxxx
	DIRECTIONAL LIGHT	xxxxx		xxxxxx
	NARROW BEAM DOWN LIGHT 40W max	xxxxx		xxxxxx
	DOWN LIGHT directional florescent 42 W	xxxxx		xxxxxx
	SHOWER DOWN LIGHT IP 44 halogen 35 to 50W	xxxxx		xxxxxx
	DIRECTIONAL DOWN LIGHT IP 44 halogen 50 or 100w	xxxxx		xxxxxx
	DOWN LIGHT halogen adjustable	xxxxx		xxxxxx
	SPOT LIGHT Ceiling mounted	xxxxx		xxxxxx
	PENDANT LIGHT 40W	xxxxx		xxxxxx
	SUSPENSION light	xxxxx		xxxxxx
	PENDANT lamp	xxxxx		xxxxxx
	CHANDELIER	xxxxx		xxxxxx
	TRACK lighting	xxxxx		xxxxxx
	COVE LIGHT Recommended xenon or national fixture	xxxxx		xxxxxx
	CLOSET LIGHTING under kitchen cabinet lighting Recommended Xenon	xxxxx		xxxxxx
	FLUORESCENT under cabinet Recommended Xenon	xxxxx		xxxxxx
	FLUORESCENT strip fixture	xxxxx		xxxxxx
	FLUORESCENT pendant fixture	xxxxx		xxxxxx
	BOOKCASE LIGHTING 20 to 35W	xxxxx		xxxxxx
	EMERGENCY LIGHT	xxxxx		xxxxxx
	TABLE LAMP	xxxxx		xxxxxx
	FLOOR LAMP	xxxxx		xxxxxx
	UPLIGHT (ACCENT)	xxxxx		xxxxxx
	WALL LIGHT	xxxxx		xxxxxx
	RECESSED WALL WASHER	xxxxx		xxxxxx
	WALL MOUNTED SCONCE max 42w	xxxxx		xxxxxx
	TRACK LIGHT outdoor 20-35w max	xxxxx		xxxxxx
	EMBEDDED FLOOR LIGHT outdoor	xxxxx		xxxxxx
	WATER PROOF LIGHT outdoor	xxxxx		xxxxxx
	GARDEN SPOT LIGHT outdoor (floor mounted)	xxxxx		xxxxxx
	POOL LIGHT outdoor (wall mounted)	xxxxx		xxxxxx
	FLOOD LIGHT outdoor (2 x 250 watts	xxxxx		xxxxxx
	UP LIGHT outdoor florescent 25w	xxxxx		xxxxxx
	UPLIGHT outdoor 50-75w max	xxxxx		xxxxxx
	STEP LIGHT outdoor 25w max	xxxxx		xxxxxx
	ADJUSTABLE BEAM (wall mounted) - 100W 25w max	xxxxx		xxxxxx
	XENON STRIP LIGHT outdoor 100W	xxxxx		xxxxxx
	HALOGEN LAMP outdoor wall mounted - 100w	xxxxx		xxxxxx
	LIGHT FIXED ON HANDRAIL outdoor	xxxxx		xxxxxx

Luminaire: Plus 0605 (1.20 diameter)
Brand: Vitra — Lamp: 2x24w +4x39w fluorescent tube
N° of lamps: — Gear:
Accessories: - — Installation:

Luminaire: Plus 0620 (0.80 diameter)
Brand: Vitra — Lamp: 4x24w fluorescent tube
N° of lamps: — Gear:
Accessories: - — Installation:

	Exit Sign Wall Mounted	xxxxx		xxxxxx
	Exit Sign Ceiling Mounted	xxxxx		xxxxxx
	Exit Sign Surface Mounted	xxxxx		xxxxxx
	SPEAKER			
	ACCESS DOOR			

Symbol	Type	Name	Image	Manufacturer
	LINEAR DIFFUSER Return	xxxxx		xxxxxx
	LINEAR DIFFUSER Supply	xxxxx		xxxxxx
	CIRCULAR DIFFUSER	xxxxx		xxxxxx
	FRESH AIR SUPPLY			
	SMOKE EXHAUST			
	HIDDEN LINEAR DIFFUSER_SUPPLY			
	HIDDEN LINEAR DIFFUSER_RETURN			

Symbol	Type	Name	Image	Manufacturer
	SMOKE DETECTOR			
	HEAT DETECTOR			
	FIRE SPEAKER ceiling mounted			
	SPRINKLER Concealed			
	Concealed pendent SPRINKLER HEADS+ Upright SPRINKLER HEADS (Where Ceiling Height more than 80 cm)			
	Concealed Pendent SPRINKLER HEADS			

General Notes:

All dimensions are MM and levels in Mtr
All levels to be verified on site prior to any works.

1. ALL WORK TO BE EXECUTED ON SITE IN ACCORDANCE WITH THE REQUIREMENTS OF THE KUWAIT FIRE BRIGADE (KFD) REGULATIONS & OTHER LOCAL AUTHORITIES REGULATIONS IN FORCE AND THE BRITISH STANDARDS
2. THIS COMPOSITE DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT APPROVED SHOP DRAWINGS.
3. ALL SERVICES SHALL BE ABOVE FALSE CEILING SPECIFIED ON THE DRAWINGS
4. ALL COMMENTS ON APPROVED SHOP DRAWINGS SHALL BE FOLLOWED
5. COORDINATED ACCESS DOOR SHOWN ON DRAWINGS.
6. COORDINATE FIRE FIGHTING TEST & DRAIN VALVE TO BE ABOVE FIRE HOSE CABINET.
7. ALL SPRINKLERS INSIDE APARTMENTS AND CORRIDOR/LOBBY SHALL BE CONCEALED TYPE.
8. ACCESS DOOR FOR WS VALVES TO BE COORDINATED WITH KITCHEN CABINET.
9. KITCHEN EXHAUST FANS TO BE COORDINATED WITH KITCHEN STORE LOCATION.
10. LIGHTS POINTS TO BE AWAY FROM OTHER SERVICES
11. WATER PIPES ROUTES SHALL BE AWAY FROM ELECTRICAL AND LV ROOMS
12. COORDINATE LOCATION OF FCU POWER POINTS WITH FCU AND A/D
13. SERVICES SHALL NOT RUN PARALLEL ABOVE WALLS
14. COORDINATE ALL EXHAUST WITH COVES
15. COORDINATE ALL SERVICES WITH COVES
16. ALL SERVICES SHALL BE COORDINATED WITH ARCHITECTURAL LAYOUT
17. 15 - 20 CM SPACE SHALL BE PROVIDED ABOVE FALSE CEILING LEVEL TO INSTALL LIGHT FIXTURES
18. ALL SERVICES SHALL FOLLOW KFD AND MEW REGULATIONS
19. FINAL LOCATION OF SERVICES ON CEILING SHALL BE AS PER APPROVED REFLECTED CEILING SHOP DRAWINGS
20. FINAL LOCATION AND TYPE OF EXIT LIGHT SHALL BE AS PER APPROVED REFLECTED CEILING SHOP DRAWINGS
21. FINAL LOCATION AND TYPE OF CAMERAS SHALL BE AS PER MOI REGULATIONS

LEGENDS :

- DRAINAGE AND WASTE
- COLD WATER SUPPLY
- FIRE FIGHTING
- SUPPLY AIR DUCT (SAD)
- FRESH AIR DUCT (FAD)
- KITCHEN EXHAUST AIR DUCT(KEAD)
- TOILET EXHAUST AIR DUCT (TEAD)
- HVAC CHILLED WATER LINE
- STAIRCASE PRESSURIZATION DUCT

Client:

FAWSEC
FAWSEC EDUCATIONAL COMPANY

International Consultant:

Spain Address
Apdo.de Correos 15.3
28700 Madrid, Spain
T +34 91 6543210
Fax +34 91 6543211

Kuwait Address
Al Ghanim Villa 36 Ali Al Salem St.
Block 5, Qtr 3 FL 2 P.O Box 25160
Safat 13112 Kuwait
T +965 22252410
Fax +965 22252411

info@gulf-kwt.com
www.gulf-kwt.com

Main Contractor:

شـركـة مسـاعـد الصـالـح وأولاده ذ.م.م.
Musaad Al-Saleh & Sons Co. Ltd.
Building & Civil Engineering Contractors
مقاولون لأعمال الهندسة المدنية والمباني

MEP SUB CONTRACTOR

شركـة "الخليج الهندسية"
Gulf Engineering Company K.S.C.C.
P.O.BOX 22668 SAFAT, 13087 - KUWAIT
Tel. 1802255 Fax 24740488

CONTRACTOR/SUB CONTRACTOR COORDINATION RELEASE:

TRADE	SUB-CONT.	DATE	SIGNATURE
ARCHITECT			
ELECTRICAL	GEC		
H.V.A.C	GEC		
PL&FF	GEC		
LIFTS			

Project Manager:

Drawn: Engr. KAMAL RAM | Checked By: Engr. KAMAL RAM | Date:

Submittal Status

A	APPROVED
B	APPROVED AS NOTED
C	NOT APPROVED
D	FURTHER INFO REQUIRED
E	NOT REQUIRED

ENGINEER: DATE: RESIDENT ENGINEER: DATE:

Revision Status

REV.	DESCRIPTION	DATE	STATUS
00	FOR APPROVAL	16/10/2017	

project

Block # 1
Sabah Al-Salem
Kuwait

FAWSEC Campus

Drawing Title:

Level 17 H/L - Composite Layout TOWER - 1

Scale: 1:50

Transmittal ref: | Date 16/10/2017

Contract Dwg No. | Shop Drawing No: 17th-COM-017-01 | Rev. No. 00