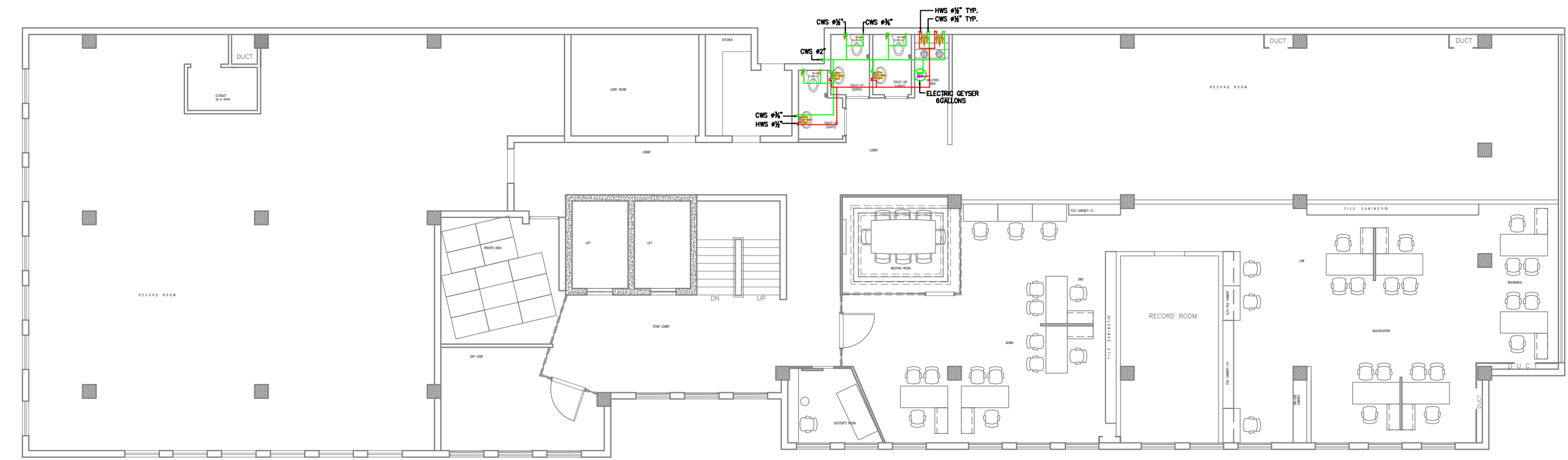


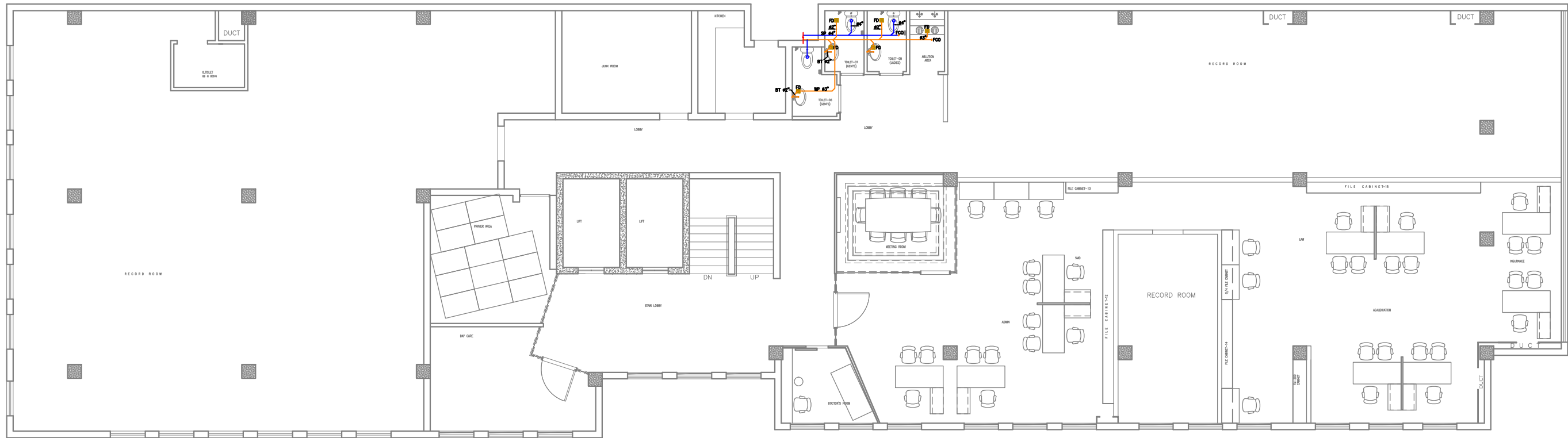
3RD FLOOR
DRAINAGE SUPPLY LAYOUT

| | | | | | | | |
|---|---|--|--|--|---------------------|--------------------------|---------------------|
| PROJECT: CRO INTERIOR RENOVATION 3RD & 4TH FLOOR LAHORE | CONSULTANT: SOHAIL A. KHAN ASSOCIATES Architecture and Designing House #159, Street 4, Race Course Road, Rawalpindi Tel: 5174329 - 5174098; Fax: 5125075 Email: mail@saka.net.pk |  | MEP CONSULTANT:  RAAHIM ASSOCIATES MEP ENGINEERS & CONSULTANT FLAT 07, 1F SHERAZ PLAZA, GULBERG II, LHR Ph: 042-35764449, Cell no: 0333-4320990 E-mail: raahimassociates@gmail.com | DRAWING TITLE: DRAINAGE SYSTEM LAYOUT 3RD FLOOR PLAN | DESIGN BY: | DRAWN BY: | CHECK BY: |
| | | | | | M.B | M. REHMAN | S.Y.B |
| | | | | | SCALE: N.T.S | DATE: 30 May,2020 | DWG.NO: P-02 |



4TH FLOOR
WATER SUPPLY LAYOUT

| | | | | | | | |
|--|---|--|---|--|-----------------------|----------------------------|------------------------|
| PROJECT: CRO INTERIOR RENOVATION 3RD & 4TH FLOOR LAHORE | CONSULTANT: SOHAIL A. KHAN ASSOCIATES Architecture and Designing House #159, Street 4, Race Course Road, Rawalpindi Tel: 5174329 - 5174098; Fax: 5125075 Email: mail@saka.net.pk |  | MEP CONSULTANT:  RAAHIM ASSOCIATES MEP ENGINEERS & CONSULTANT FLAT 07, 1F SHERAZ PLAZA, GULBERG II, LHR Ph: 042-35764449, Cell no: 0333-4320990 E-mail: raahimassociates@gmail.com | DRAWING TITLE: WATER SUPPLY SYSTEM LAYOUT 4TH FLOOR PLAN | DESIGN BY: M.B | DRAWN BY: M. REHMAN | CHECK BY: S.Y.B |
| | | | | | SCALE: N.T.S | DATE: 30 May,2020 | DWG.NO: P-03 |

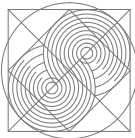


4TH FLOOR
DRAINAGE SUPPLY LAYOUT

PROJECT:

CRO INTERIOR RENOVATION 3RD & 4TH
FLOOR LAHORE

CONSULTANT:
SOHAIL A. KHAN ASSOCIATES
Architecture and Designing
House #159, Street 4, Race Course Road, Rawalpindi
Tel: 5174329 - 5174098; Fax: 5125075
Email: mail@saka.net.pk

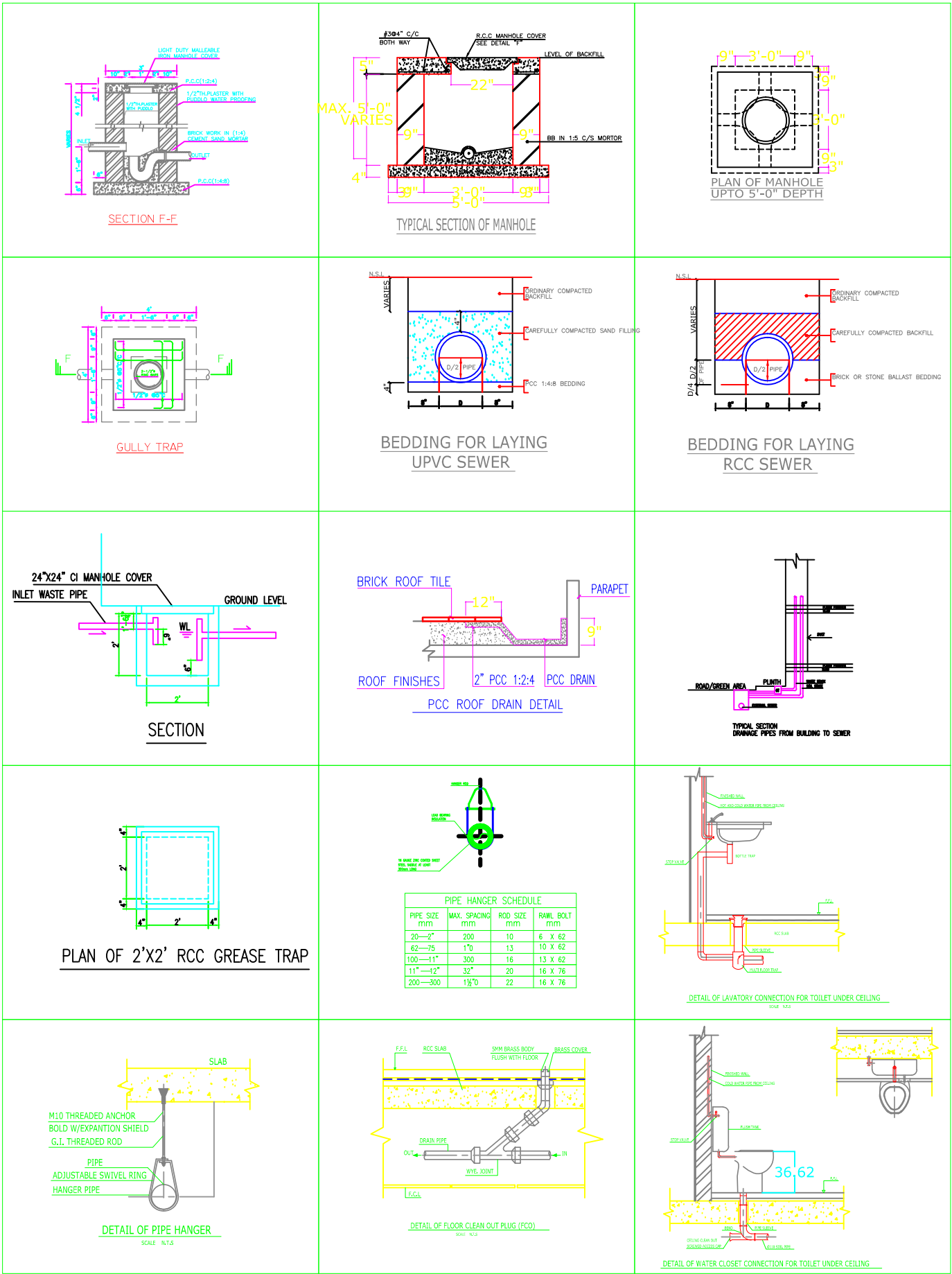


MEP CONSULTANT:
**RAAHIM ASSOCIATES**
MEP ENGINEERS & CONSULTANT
FLAT 07, 1F SHERAZ PLAZA, GULBERG II, LHR
Ph: 042-35764449, Cell no: 0333-4320990
E-mail: raahimassociates@gmail.com

DRAWING TITLE:

DRAINAGE SYSTEM LAYOUT
4TH FLOOR PLAN

| | | |
|-----------------------|----------------------------|------------------------|
| DESIGN BY: M.B | DRAWN BY: M. REHMAN | CHECK BY: S.Y.B |
| SCALE: N.T.S | DATE: 30 May,2020 | DWG.NO: P-04 |

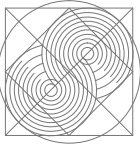


PROJECT:

CRO INTERIOR RENOVATION 3RD & 4TH
FLOOR LAHORE

CONSULTANT:

SOHAIL A. KHAN ASSOCIATES
Architecture and Designing
House #159, Street 4, Race Course Road, Rawalpindi
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MEP CONSULTANT:

RAAHIM ASSOCIATES
MEP ENGINEERS & CONSULTANT
FLAT 07, 1F SHERAZ PLAZA, GULBERG II, LHR
Ph: 042-35764449, Cell no: 0333-4320990
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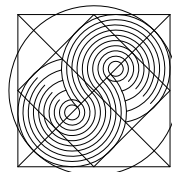
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PLUMBING STANDARD DETAILS

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| DESIGN BY: | DRAWN BY: | CHECK BY: |
| M.B | M. REHMAN | S.Y.B |
| SCALE: | DATE: | DWG.NO: |
| N.T.S | 30 May,2020 | P-05 |

H.V.A.C



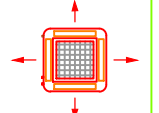





SOHAIL A. KHAN ASSOCIATES
Architecture and Designing
House #159, Street 4, Race Course Road, Rawalpindi
Tel: 5174329 - 5174098; Fax: 5125075
Email: mail@saka.net.pk



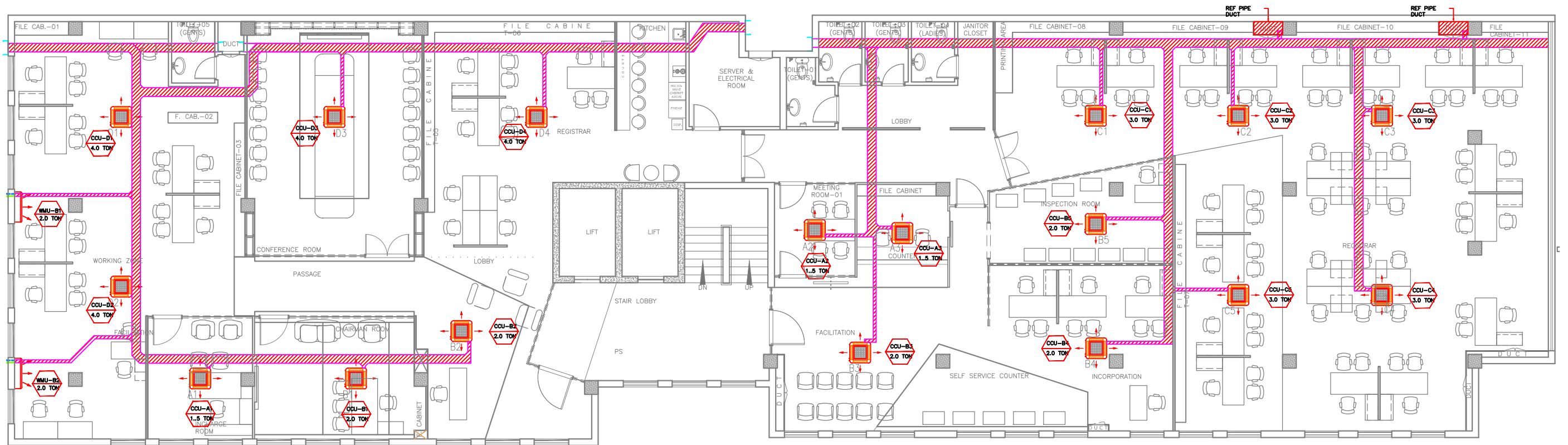
RAAHIM ASSOCIATES
M.E.P ENGINEERS & CONSULTANT
FLAT 07, 1F SHERAZ PLAZA, GULBERG II, LHR
Ph: 042-35764449, Cell no: 0333-4320990
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| HV-02 | HVAC SYSTEM LAYOUT 4TH FLOOR PLAN | 1NO. |
| HV-03 | HVAC SYSTEM LAYOUT ROOF PLAN | 1NO. |
| HV-04 | HVAC CONDENSATE LAYOUT 3RD FLOOR PLAN | 1NO. |
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| HV-06 | ELECTRICAL SYSTEM LAYOUT 3RD FLOOR PLAN | 1NO. |
| HV-07 | ELECTRICAL SYSTEM LAYOUT 4TH FLOOR PLAN | 1NO. |
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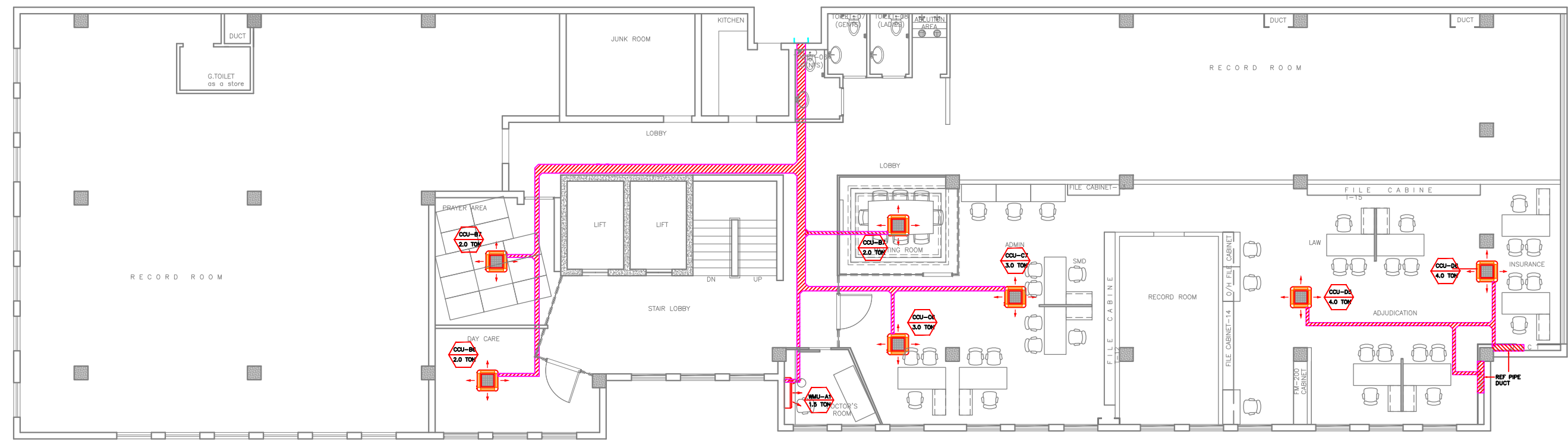
| LEGEND AND GENERAL NOTES | | |
|---|-----|-------------------------|
|  | CD | CONDENSATE DRAIN PIPE |
|  | REF | REFRIGERANT PIPE |
|  | CCS | CEILING CASTE TYPE UNIT |
|  | WMU | WALL MOUNTED UNIT |
|  | CU | CONDENSING UNIT |
|  | EAF | EXHAUST FAN (INLINE) |
|  | PF | PROPELLER EXHAUST FAN |
|  | EAD | EXHAUST AIR DIFFUSER |

| | | | | | | | |
|---|---|--|--|--|------------|-------------|-----------|
| PROJECT: CRO INTERIOR RENOVATION 3RD & 4TH FLOOR LAHORE | CONSULTANT: SOHAIL A. KHAN ASSOCIATES Architecture and Designing House #159, Street 4, Race Course Road, Rawalpindi Tel: 5174329 - 5174098; Fax: 5125075 Email: mail@saka.net.pk |  | MEP CONSULTANT:  RAAHIM ASSOCIATES MEP ENGINEERS & CONSULTANT FLAT 07, 1F SHERAZ PLAZA, GULBERG II, LHR Ph: 042-35764449, Cell no: 0333-4320990 E-mail: raahimassociates@gmail.com | DRAWING TITLE: HVAC INDEX-LEGEND AND GENERAL NOTES | DESIGN BY: | DRAWN BY: | CHECK BY: |
| | | | | | M.B | M. REHMAN | S.Y.B |
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| | | | | | N.T.S | 30 May,2020 | HV-00 |



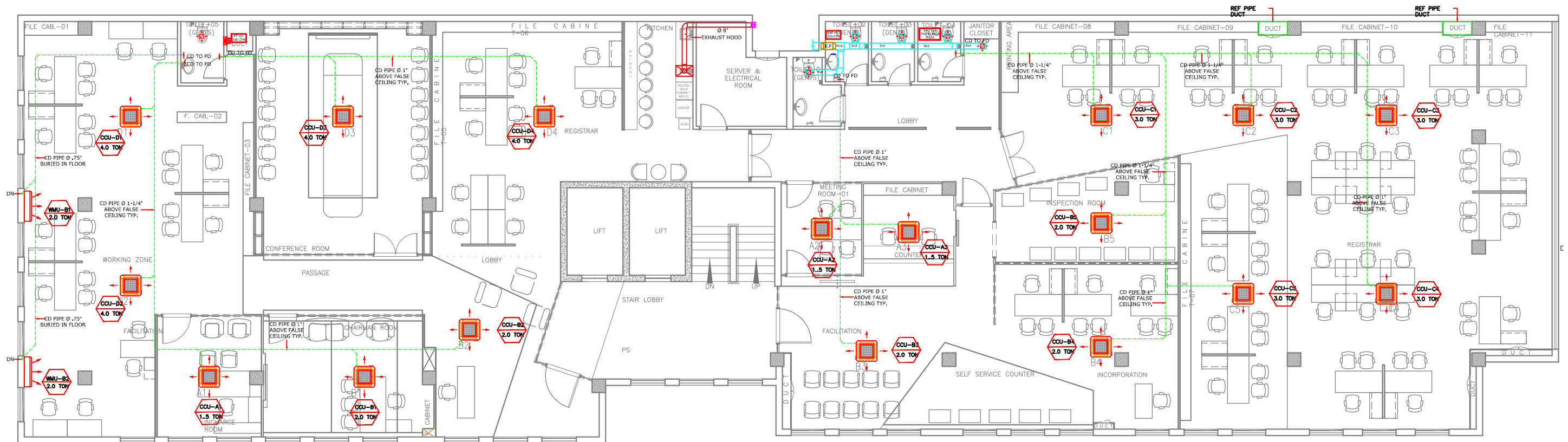
3rd FLOOR WORKING PLAN

| | | | | | | |
|--|---|--|---|--|--|--|
| PROJECT: CRO INTERIOR RENOVATION 3RD & 4TH FLOOR LAHORE | CONSULTANT: SOHAIL A. KHAN ASSOCIATES Architecture and Designing House #159, Street 4, Race Course Road, Rawalpindi Tel: 5174329 - 5174098; Fax: 5125075 Email: mail@saka.net.pk | MEP CONSULTANT:  RAAHIM ASSOCIATES MEP ENGINEERS & CONSULTANT FLAT 07, 1F SHERAZ PLAZA, GULBERG II, LHR Ph: 042-35764449, Cell no: 0333-4320990 E-mail: raahimassociates@gmail.com | DRAWING TITLE: HVAC SYSTEM LAYOUT 3rd FLOOR PLAN | DESIGN BY: M.B SCALE: N.T.S | DRAWN BY: M. REHMAN DATE: 30 May,2020 | CHECK BY: S.Y.B DWG.NO: HV-01 |
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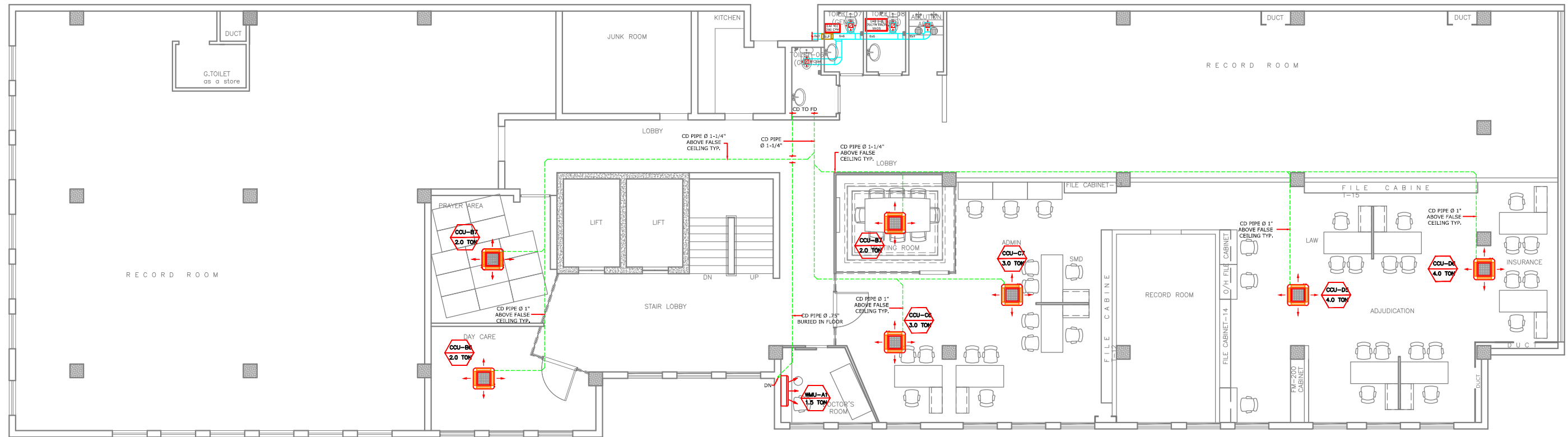
4th FLOOR WORKING PLAN

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|---|---|---|--|--|---------------------|--------------------------|----------------------|
| PROJECT: CRO INTERIOR RENOVATION 3RD & 4TH FLOOR LAHORE | CONSULTANT: SOHAIL A. KHAN ASSOCIATES Architecture and Designing House #159, Street 4, Race Course Road, Rawalpindi Tel: 5174329 - 5174098; Fax: 5125075 Email: mail@saka.net.pk |  | MEP CONSULTANT: RAAHIM ASSOCIATES MEP ENGINEERS & CONSULTANT FLAT 07, 1F SHERAZ PLAZA, GULBERG II, LHR Ph: 042-35764449, Cell no: 0333-4320990 E-mail: raahimassociates@gmail.com | DRAWING TITLE: HVAC SYSTEM LAYOUT 4TH FLOOR PLAN | DESIGN BY: | DRAWN BY: | CHECK BY: |
| | | | | | M.B | M. REHMAN | S.Y.B |
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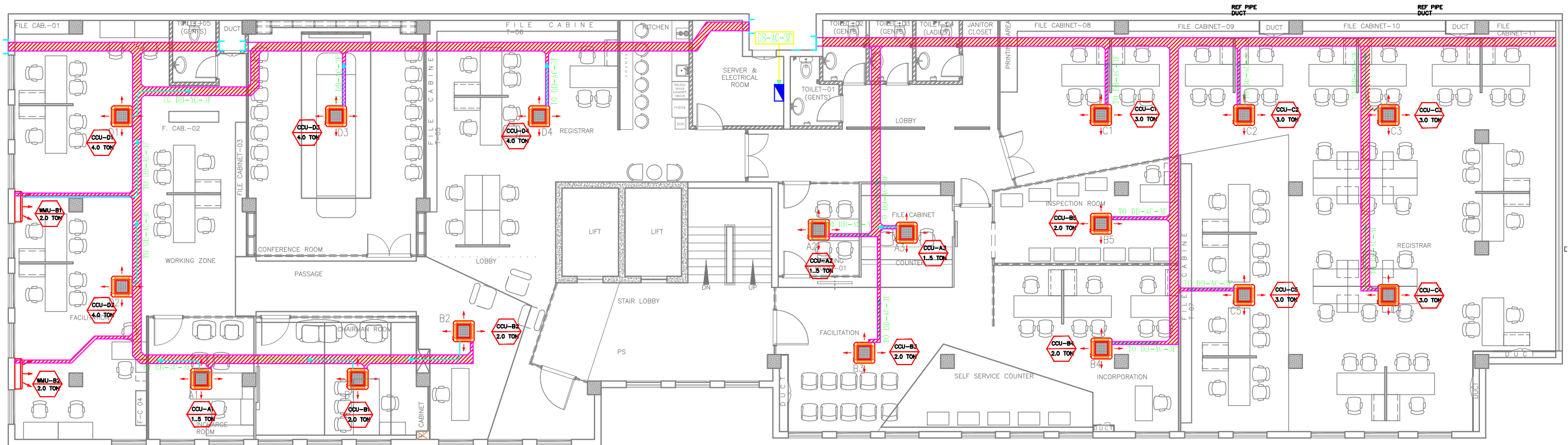
3rd FLOOR WORKING PLAN

| | | | | | | |
|--|---|--|--|--|--|--|
| PROJECT: CRO INTERIOR RENOVATION 3RD & 4TH FLOOR LAHORE | CONSULTANT: SOHAIL A. KHAN ASSOCIATES Architecture and Designing House #159, Street 4, Race Course Road, Rawalpindi Tel: 5174329 - 5174098; Fax: 5125075 Email: mail@saka.net.pk | MEP CONSULTANT:  RAAHIM ASSOCIATES MEP ENGINEERS & CONSULTANT FLAT 07, 1F SHERAZ PLAZA, GULBERG II, LHR Ph: 042-35764449, Cell no: 0333-4320990 E-mail: raahimassociates@gmail.com | DRAWING TITLE: HVAC CONDENSATE LAYOUT 3RD FLOOR | DESIGN BY: M.B SCALE: N.T.S | DRAWN BY: M. REHMAN DATE: 30 May,2020 | CHECK BY: S.Y.B DWG.NO: HV-04 |
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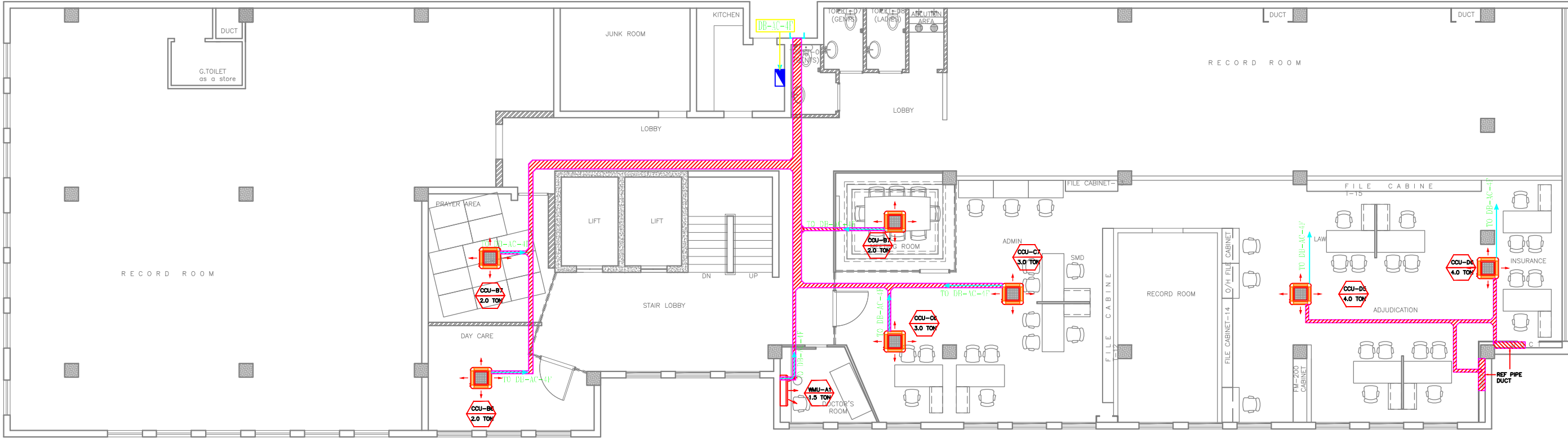
4th FLOOR WORKING PLAN

| | | | | | | |
|--|---|--|--|--|--|--|
| PROJECT: CRO INTERIOR RENOVATION 3RD & 4TH FLOOR LAHORE | CONSULTANT: SOHAIL A. KHAN ASSOCIATES Architecture and Designing House #159, Street 4, Race Course Road, Rawalpindi Tel: 5174329 - 5174098; Fax: 5125075 Email: mail@saka.net.pk | MEP CONSULTANT:  RAAHIM ASSOCIATES MEP ENGINEERS & CONSULTANT FLAT 07, 1F SHERAZ PLAZA, GULBERG II, LHR Ph: 042-35764449, Cell no: 0333-4320990 E-mail: raahimassociates@gmail.com | DRAWING TITLE: HVAC CONDENSATE LAYOUT 4TH FLOOR | DESIGN BY: M.B SCALE: N.T.S | DRAWN BY: M. REHMAN DATE: 30 May,2020 | CHECK BY: S.Y.B DWG.NO: HV-05 |
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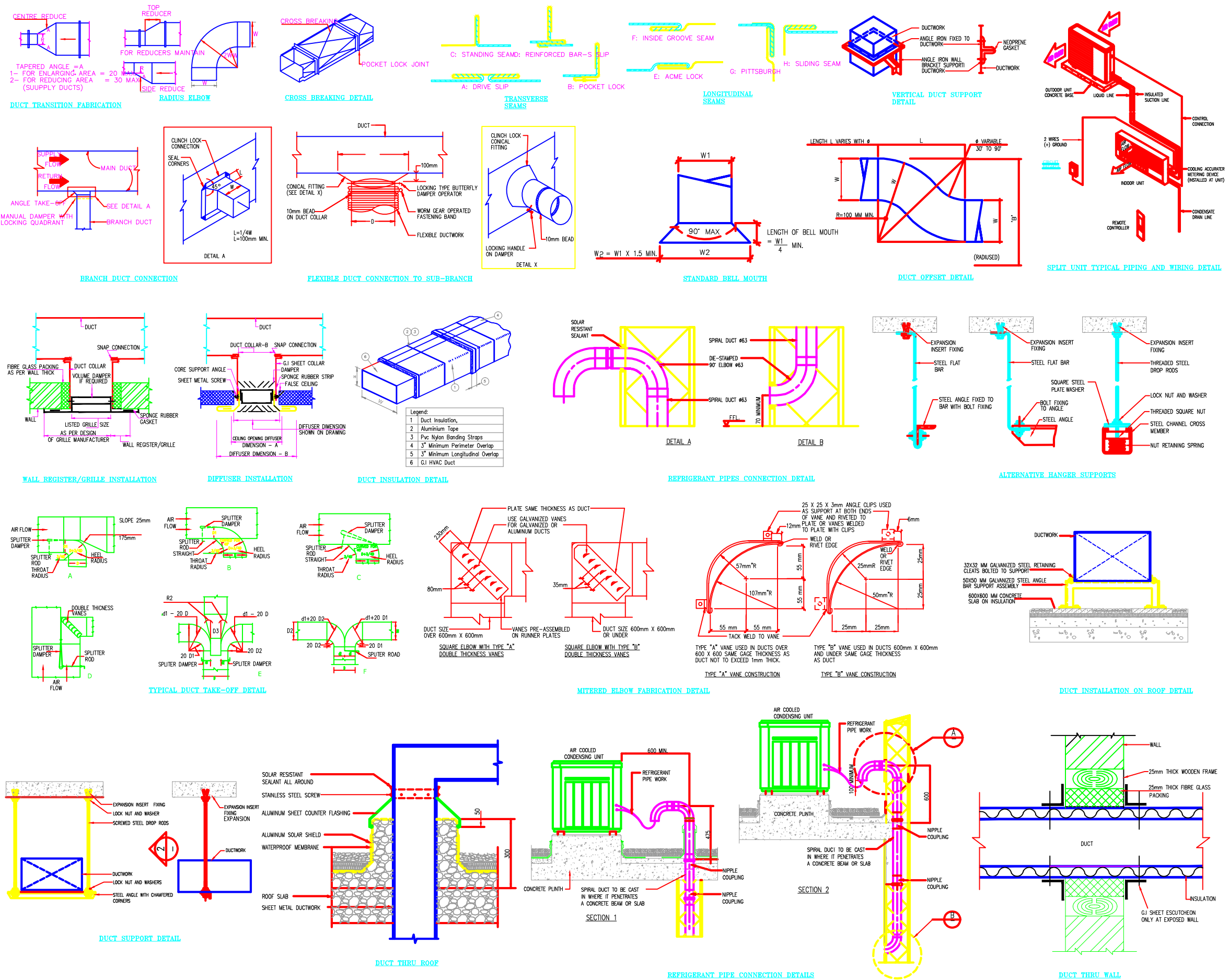
3rd FLOOR WORKING PLAN

| | | | | | | |
|--|---|--|--|--|--|--|
| PROJECT: CRO INTERIOR RENOVATION 3RD & 4TH FLOOR LAHORE | CONSULTANT: SOHAIL A. KHAN ASSOCIATES Architecture and Designing House #159, Street 4, Race Course Road, Rawalpindi Tel: 5174329 - 5174098; Fax: 5125075 Email: mail@saka.net.pk | MEP CONSULTANT:  RAAHIM ASSOCIATES MEP ENGINEERS & CONSULTANT FLAT 07, 1F SHERAZ PLAZA, GULBERG II, LHR Ph: 042-35764449, Cell no: 0333-4320990 E-mail: raahimassociates@gmail.com | DRAWING TITLE: ELECTRICAL SYSTEM LAYOUT 3RD FLOOR | DESIGN BY: M.B SCALE: N.T.S | DRAWN BY: M. REHMAN DATE: 30 May,2020 | CHECK BY: S.Y.B DWG.NO: HV-06 |
|--|---|--|--|--|--|--|



4th FLOOR WORKING PLAN

| | | | | | | |
|---|---|--|---|---------------------|--------------------------|----------------------|
| PROJECT: CRO INTERIOR RENOVATION 3RD & 4TH FLOOR LAHORE | CONSULTANT: SOHAIL A. KHAN ASSOCIATES Architecture and Designing House #159, Street 4, Race Course Road, Rawalpindi Tel: 5174329 - 5174098; Fax: 5125075 Email: mail@saka.net.pk | MEP CONSULTANT: RAAHIM ASSOCIATES MEP ENGINEERS & CONSULTANT FLAT 07, 1F SHERAZ PLAZA, GULBERG II, LHR Ph: 042-35764449, Cell no: 0333-4320990 E-mail: raahimassociates@gmail.com | DRAWING TITLE: ELECTRICAL SYSTEM LAYOUT 4TH FLOOR | DESIGN BY: | DRAWN BY: | CHECK BY: |
| | | | | M.B | M. REHMAN | S.Y.B |
| | | | | SCALE: N.T.S | DATE: 30 May,2020 | DWG.NO: HV-07 |



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| PROJECT: | CONSULTANT: | MEP CONSULTANT: | DRAWING TITLE: | DESIGN BY: | DRAWN BY: | CHECK BY: |
| CRO INTERIOR RENOVATION 3RD & 4TH FLOOR LAHORE | SOHAIL A. KHAN ASSOCIATES Architecture and Designing House #159, Street 4, Race Course Road, Rawalpindi Tel: 5174329 - 5174098; Fax: 5125075 Email: mail@saka.net.pk | RAAHIM ASSOCIATES MEP ENGINEERS & CONSULTANT FLAT 07, 1F SHERAZ PLAZA, GULBERG II, LHR Ph: 042-35764449, Cell no: 0333-4320990 E-mail: raahimassociates@gmail.com | HVAC STANDARD DETAILS | M.B | M. REHMAN | S.Y.B |
| | | | | SCALE: | DATE: | DWG.NO: |
| | | | | N.T.S | 30 May,2020 | HV-08 |