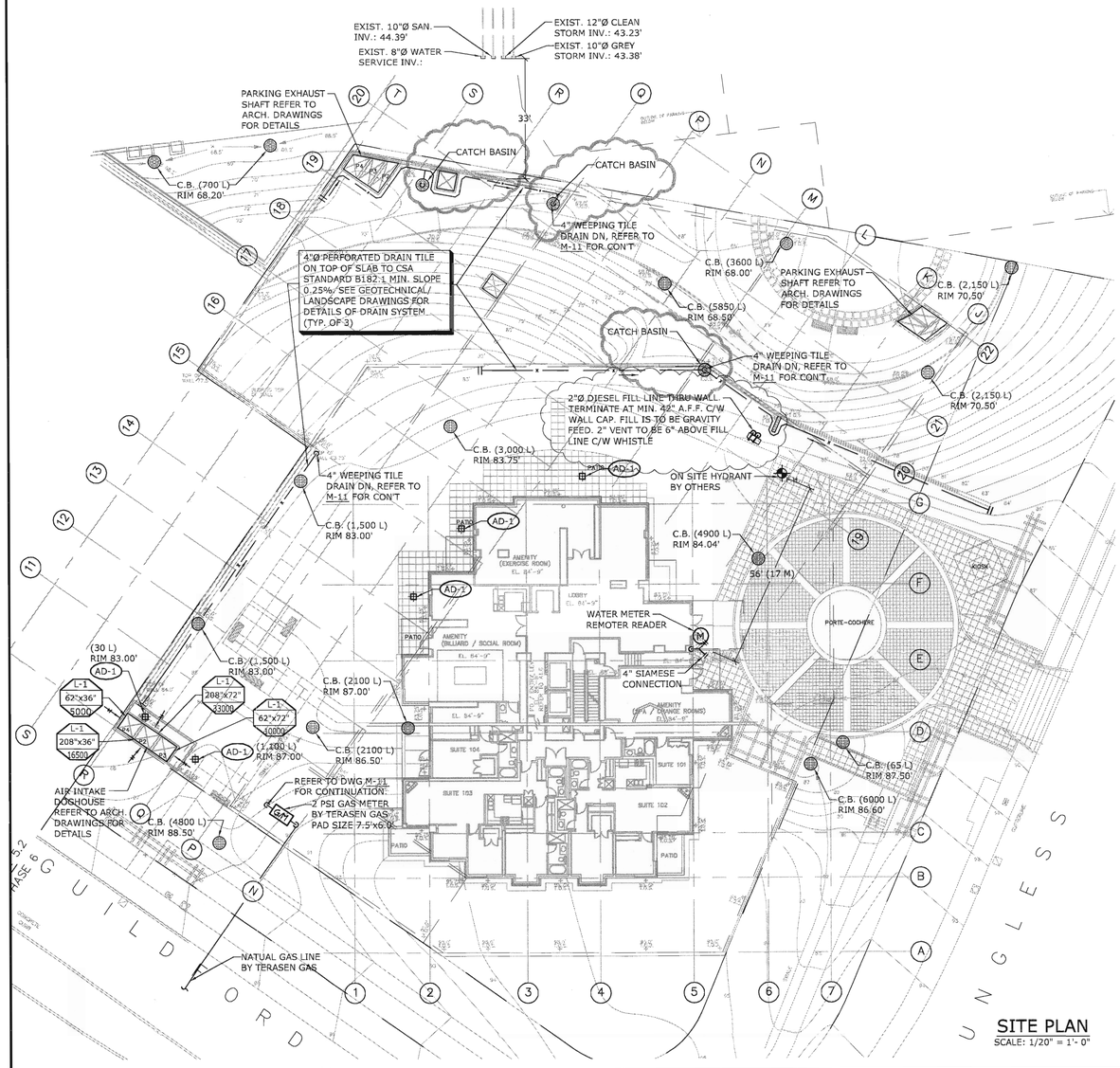


SITE PLAN
SCALE: 1/20" = 1'- 0"

NOTES FOR SPRINKLER SYSTEM DESIGN

1. THE SPRINKLER CONTRACTOR SHALL PROVIDE A COMPLETE SYSTEM OF SPRINKLERS AND STANDPIPE PROTECTION FOR THE BUILDING IN ACCORDANCE WITH THE SPECIFICATIONS, NFPA 13, NFPA 13D, NFPA 14, NFPA 20, NFPA 10, NFPA-24, THE BC FIRE CODE STANDARDS AND REQUIREMENTS OF THE CITY OF PORT MOODY.
2. THE SPRINKLER CONTRACTOR SHALL DESIGN ALL OF THE SPRINKLER SYSTEM TO COMPLY WITH ALL EQUIVALENCY APPROACHES AS PER LOCKE McKINNON DOMINGO GIBSON & ASSOCIATES LTD (LMDG). FIRE PROTECTION AND LIFE SAFETY BUILDING CODE CONCEPTS REPORT.
3. THE SPRINKLER SYSTEM SHALL BE HYDRAULICALLY DESIGNED BASED ON THE FOLLOWING CRITERIA:

	SYSTEM	DENSITY GPM/ (ft²)	DESIGN AREA (ft²)	HAZARD GROUP	MAX AREA PER HEAD (ft²)
PARKADE / STORAGE	DRY	0.16	1950	ORD. GROUP 1	130
RESIDENTIAL	WET	0.10	1500	LIGHT	225
ELEV. LOBBY	WET	0.10	1500	LIGHT	225
MECHANICAL ROOM	WET	0.16	1500	ORD. GROUP 1	130

4. PROVIDE SEISMIC SWAY BRACING IN ACCORDANCE WITH NFPA 13 AND NFPA 14 AND MUNICIPAL REQUIREMENTS.
5. REVIEW ELECTRICAL, MECHANICAL, STRUCTURAL AND ARCHITECTURAL DRAWINGS FOR DETAILS BEFORE START OF SPRINKLER SHOP DRAWINGS. CO-ORDINATE SIDEWALL HEAD LOCATIONS WITH FUTURE IN-SUITE SPEAKER SYSTEM. REVIEW BOTH PLANS AND ELEVATIONS.
6. OVERHANGS AND UNENCLOSED BALCONIES: PROVIDE SPRINKLER COVERAGE OF ALL COMBUSTIBLE OVERHANGS EXCEEDING 4'-0" IN WIDTH FROM ADJACENT SPRINKLER SYSTEM USING DRY PENDANT OR DRY SIDEWALL SPRINKLERS.
7. SPRINKLER TYPES:
   1. TOWER: QUICK RESPONSE FULLY RECESSED PENDENT / RECESSED SIDEWALL TYPE RESIDENTIAL LISTED SPRINKLERS. COORDINATE POSITION OF SPRINKLERS WITH ALL ELEMENTS IN THE CEILINGS.
   2. PARKING / STORAGE: STANDARD LISTED BRASS TYPE. (EXTENDED COVERAGE LISTED HEADS ARE PERMITTED FOR PARKADE).
   3. ELECTRICAL CLOSETS; STANDARD 212°F UPRIGHT c/w GUARD CAGE.
   4. ALL ELEVATOR MACHINE ROOMS SHALL HAVE INTERMEDIATE TEMPERATURE CLASIFICATION HEADS AND SHALL BE PROTECTED WITH GUARDS (SHOP DRAWINGS REQUIRED).
8. PIPE ROUTING: COORDINATION OF PIPE ROUTES, SLEEVING, CORING AND DRILLING IS THE RESPONSIBILITY OF THE SPRINKLER SUBTRADE.
   1. PARKING & CONCRETE STRUCTURE: RUN PIPING WITH 7'-0" CLEAR BELOW AND DO NOT INTERFERE WITH OR OBSTRUCT LIGHTING.
   2. COORDINATE PIPE ROUTES WITH THE MECHANICAL CONTRACTOR AND OTHER SUBTRADES ON THE SITE TO AVOID CONFLICTIONS WITH OTHER SERVICES.
9. SPRINKLER SUPPORT:
   1. SUPPORT OF SPRINKLERS: ENSURE THAT EACH SPRINKLER IS RIGIDLY MOUNTED TO PREVENT VERTICAL OR HORIZONTAL MOVEMENT AFTER INSTALLATION OF FINISHED CEILING, PROVIDE BLOCKING AND PIPE CLAMPING AS REQUIRED.
10. CLOSE-SPACED SPRINKLER: PROVIDE CLOSE-SPACED SPRINKLERS AND WATER CURTAINS AS SPECIFIED IN THE MECHANICAL SPECIFICATIONS SECTION 15500 AND OUTLINED IN LMDG BUILDING CODE CONCEPTS REPORT. PROVIDE CLOSE-SPACED SPRINKLER HEADS WHERE WIRE GLASS ASSEMBLIES ARE PROVIDED IN WALLS AT THE PARKADE LEVELS.
11. START OF CONSTRUCTION: DO NOT START CONSTRUCTION UNTIL SHOP DRAWINGS HAVE BEEN REVIEWED BY THE ARCHITECT AND MUNICIPALITY.
12. INSTALLATION OF FIRE PUMP AS PER NFPA-20 REQUIREMENTS.
13. PROVIDE FIRE EXTINGUISHERS TO NFPA-10 REQUIREMENTS.
14. INSTALLATION OF PRIVATE FIRE HYDRANT TO NFPA-24 AND CITY OF PORT MOODY STANDARDS.
15. PROVIDE HEAT TRACE AND INSULATION ON ALL WET SPRINKLER LINES IN UNHEATED AREAS. CO-ORDINATE WITH ELECTRICAL SUB TRADE ON SITE.

LEGAL ADDRESS:
LOT 2 DISTRICT LOT 470 GROUP 1 NEW WESTMINSTER DISTRICT PLAN LMP29116

CIVIC ADDRESS:
288 UNGLESS WAY, PORT MOODY, B.C.

WATER SUPPLY INFO:
STATIC PRESSURE: 130 PSI
RESIDUAL PRESSURE: 121 PSI @ 1264 USGPM AT GUILFORD & IOCO ROAD, TO BE VERIFIED BY SPRINKLER ENGINEER

FOR GAS COMPANY (2PSI GAS PRESSURE)

EQUIPMENT	INPUT (MBH)
MUA-1	700 x 1 =700
B-1 & B-2	610 x 2 =1,220
TOTAL	1,920

MINIMUM DISTANCE BETWEEN GAS LINE AND UNDERGROUND SERVICES - 3 FT

FOR MECHANICAL CONTRACTOR
PRIOR TO COMMENCING INSTALLATION WITHIN THE BUILDING, THE MECHANICAL CONTRACTOR SHALL CHECK THE LOCATION AND INVERT ELEVATIONS OF ALL SERVICE LINES INCLUDING SANITARY SEWER, STORM SEWER, WATER MAINS, AND GAS MAINS WITH LOCAL AUTHORITIES TO INSURE THAT THESE SERVICES CAN BE INSTALLED AS SHOWN.
MINIMUM DISTANCE FROM METER VENTS TO OPERABLE WINDOWS, INTAKES OR DOORS SHALL BE 3 METERS (10 FEET).

DWG. No.	DESCRIPTION (TITLE)	SCALE
M-1	SITE PLAN & LEGEND	1" = 20'
M-2	FOUNDATION PLAN WEST - MECHANICAL	1/8"
M-3	FOUNDATION PLAN EAST - MECHANICAL	1/8"
M-4	PARKING PLAN - P4 WEST - MECHANICAL	1/8"
M-5	PARKING PLAN - P4 WEST - MECHANICAL	1/8"
M-6	PARKING PLAN - P3 WEST - MECHANICAL	1/8"
M-7	PARKING PLAN - P3 EAST - MECHANICAL	1/8"
M-8	PARKING PLAN - P2 WEST - MECHANICAL	1/8"
M-9	PARKING PLAN - P2 EAST - MECHANICAL	1/8"
M-10	PARKING PLAN - P1 WEST - MECHANICAL	1/8"
M-11	PARKING PLAN - P1 EAST - MECHANICAL	1/8"
M-12	P0/ENTRY LEVEL PLAN - MECHANICAL	1/8"
M-13	1ST FLOOR & TYPICAL 2ND TO 7TH FLOOR PLANS - MECHANICAL	1/8"
M-14	8TH & 9TH FLOOR PLANS - MECHANICAL	1/8"
M-15	TYPICAL 10TH TO 13TH, 14TH FLOOR PLANS - MECHANICAL	1/8"
M-16	15TH & 16TH FLOOR PLANS - MECHANICAL	1/8"
M-17	17TH & 18TH FLOOR PLANS - MECHANICAL	1/8"
M-18	19TH & 20TH FLOOR PLANS - MECHANICAL	1/8"
M-19	21ST & TYPICAL 22ND TO 24TH FLOOR PLANS - MECHANICAL	1/8"
M-20	25TH & 26TH FLOOR PLANS - MECHANICAL	1/8"
M-21	MAIN ROOF, ELEVATOR MACHINE ROOM & UPPER ROOF PLANS - MECHANICAL	1/8"
M-22	TYPICAL SUITES A,B,C - MECHANICAL	1/4"
M-23	TYPICAL SUITES D, E - MECHANICAL	1/4"
M-24	TYPICAL SUITES F, G - MECHANICAL	1/4"
M-25	TYPICAL SUITES H, L - MECHANICAL	1/4"
M-26	TYPICAL SUITES M, N - MECHANICAL	1/4"
M-27	SANITARY RISER - SCHEMATIC (1)	N.T.S.
M-28	SANITARY RISER - SCHEMATIC (2)	N.T.S.
M-29	DOMESTIC WATER RISERS - SCHEMATIC-1	N.T.S.
M-30	DOMESTIC WATER RISERS - SCHEMATIC-2	N.T.S.
M-31	WATER ENTRY ROOM PLAN, SCHEMATIC & GAS RISER DIAGRAM	N.T.S.
M-32	SPRINKLER RISER DIAGRAM & FIRE PROTECTION SCHEMATIC	N.T.S.
M-33	DETAILS - MECHANICAL	N.T.S.
M-34	DETAILS - MECHANICAL	N.T.S.
M-35	SCHEDULES - MECHANICAL	N.T.S.
M-36	SCHEDULES - MECHANICAL	N.T.S.

MECHANICAL LEGEND

SANITARY DRAIN	SAN	SANITARY DRAIN - BURIED	SAN
STORM DRAIN	STW	STORM DRAIN - BURIED	STW
VENT PIPE	V	INDIRECT DRAIN	D
DOM. COLD WATER		DOM. HOT WATER	
DOM. COLD WATER BOOSTED	B	DOM. HOT WATER BOOSTED	B
HEAT TRACED PIPING		DOM. HOT WATER RECIRC.	
GAS LINE	G_ psi/kPa	HOSE BIBB	H.B.
CLEANOUT	CO.	ROOF DRAIN	
FLOOR DRAIN		HUB DRAIN	
PLUMBING FIXTURE TAG	L-1	P-TRAP	
MANHOLE	M.H.	CATCH BASIN	C.B.
SPRINKLER - UPRIGHT		SPRINKLER - PENDANT	
SPRINKLER - SIDEWALL		SPRINKLER - DRY SIDEWALL	
SPRINKLER SUPPLY - WET	SPR	SPRINKLER SUPPLY - DRY	DRY
FIRE PROTECTION SUPPLY	F	FIRE HOSE CABINET	
SIAMESE CONNECTIONS		FIRE EXTINGUISHER/RECESSED IN CABINET	
ZONE CONTROL VALVE	ZCV#??	FIRE HYDRANT	F.H.

MECHANICAL LEGEND

ELBOW RISING / DROPPING		P & T RELIEF VALVE	
SHUT-OFF VALVE		BALANCING VALVE	
CIRCUIT BALANCING VALVE		PLUG VALVE	
2-WAY CONTROL VALVE		3-WAY CONTROL VALVE	
CHECK VALVE		PRESSURE REDUCING VALVE	
UNION OR FLANGE		FLEXIBLE CONNECTION	
STRAINER -Y OR BASKET		PUMP	
AUTOMATIC AIR VENT		AUTOFLOW CONTROL VALVE	
CAP OR PLUG		ANCHOR	
THERMOSTAT	T	PRESSURE GAUGE	
HUMIDISTAT	H	THERMOMETER	
AQUASTAT	A	GAS METER	G/M
		WATER METER	W/M
SUPPLY DUCT (UP & DOWN)		RETURN DUCT (UP & DOWN)	
EXHAUST DUCT (UP & DOWN)		O.A. DUCT (UP & DOWN)	
ROUND DUCT (UP & DOWN)		FLEXIBLE DUCT (MAX. 5FT/1.5M)	

MECHANICAL LEGEND

MANUAL DAMPER		BRANCH TAKEOFF	
MOTORIZED DAMPER (MODULATING)		MOTORIZED DAMPER (2 POSITION)	2 POS.
SUPPLY OUTLET		DIFFUSER	
RETURN OR EXHAUST INLET		RETURN INLET	
DOOR GRILLE - UNDERCUT	U/C	EXHAUST INLET	
TURNING VANES		BACK DRAFT DAMPER	B.D.D.
ACOUSTIC LINED DUCTWORK		FIRE OR SMOKE DAMPER	F/D OR S/D
AIR OUTLET OR INLET	TYPE SIZE CAPACITY	CEILING ACCESS PANEL	A.P.
		DUCT ACCESS DOOR/PANEL	A.P.

SCALE: ⅛" = 1'-0"

Changes
M-10
M.12
M.14
M.17
M.20

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DAN-EN MECHANICAL LTD
BY: KAM DATE: FEB 2008

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ISSUED FOR 50% REVIEW	SEPT. 19, 2005
ISSUE	DATE

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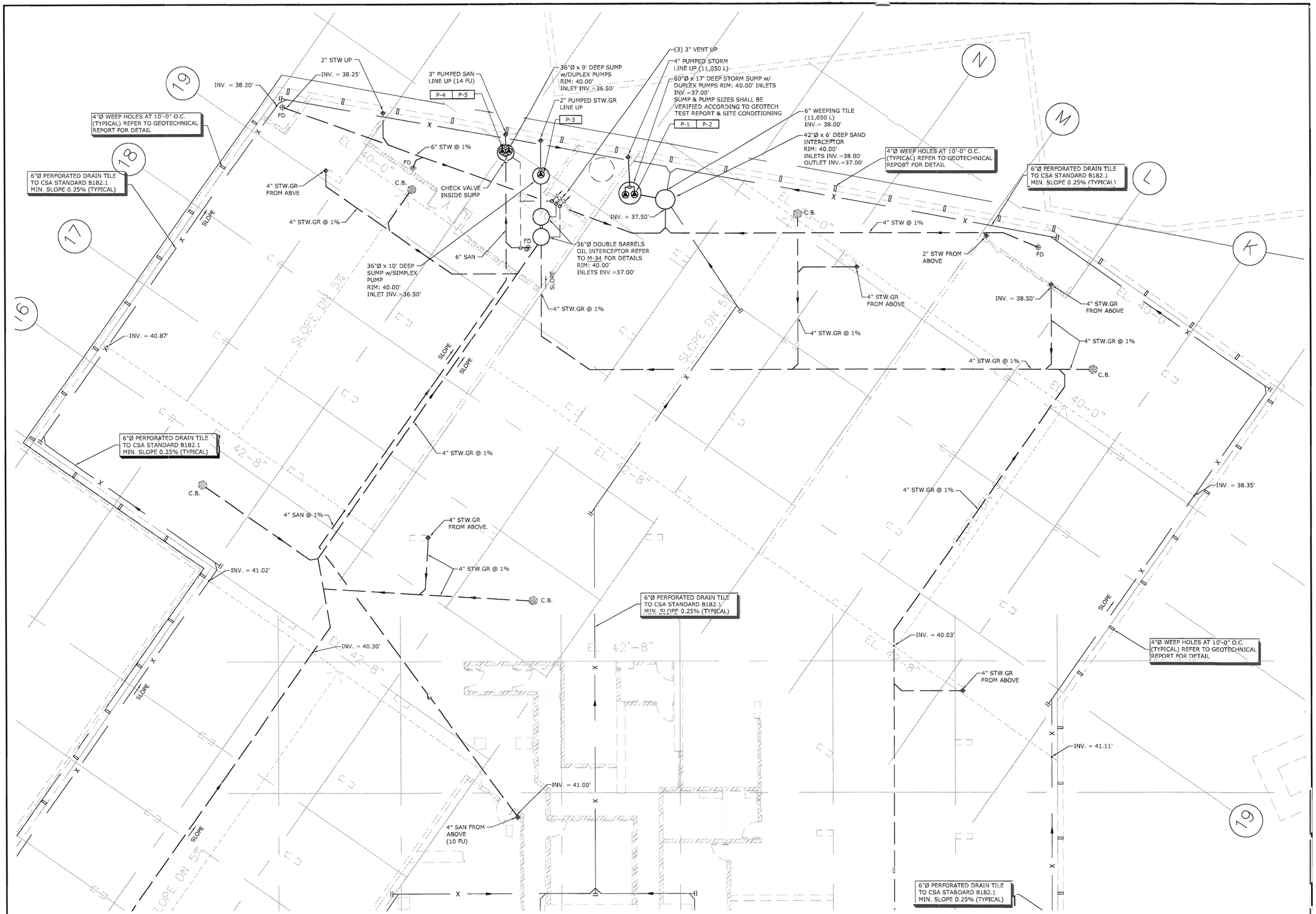
PROJECT TITLE
THE CRESCENDO

DRAWING TITLE
SITE PLAN AND LEGEND

PROJECT NO.	FILE / DATE
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FOUNDATION PLAN - WEST - MECHANICAL

SCALE: 1/8"=1'-0"

SCALE: ⅛" = 1'-0"

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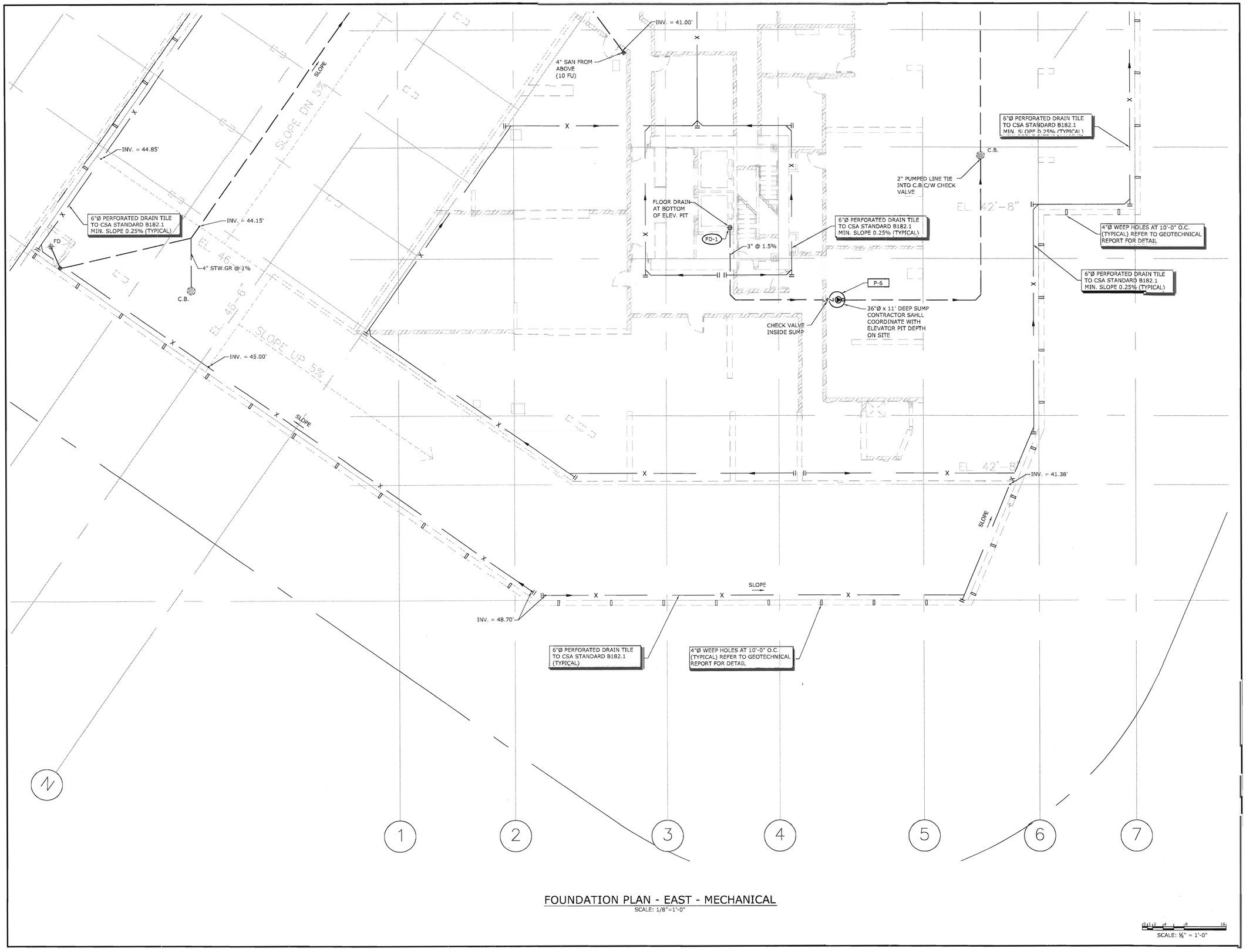
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M-02

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FOUNDATION PLAN - EAST - MECHANICAL

SCALE: 1/8"=1'-0"

SCALE: ⅛" = 1'-0"

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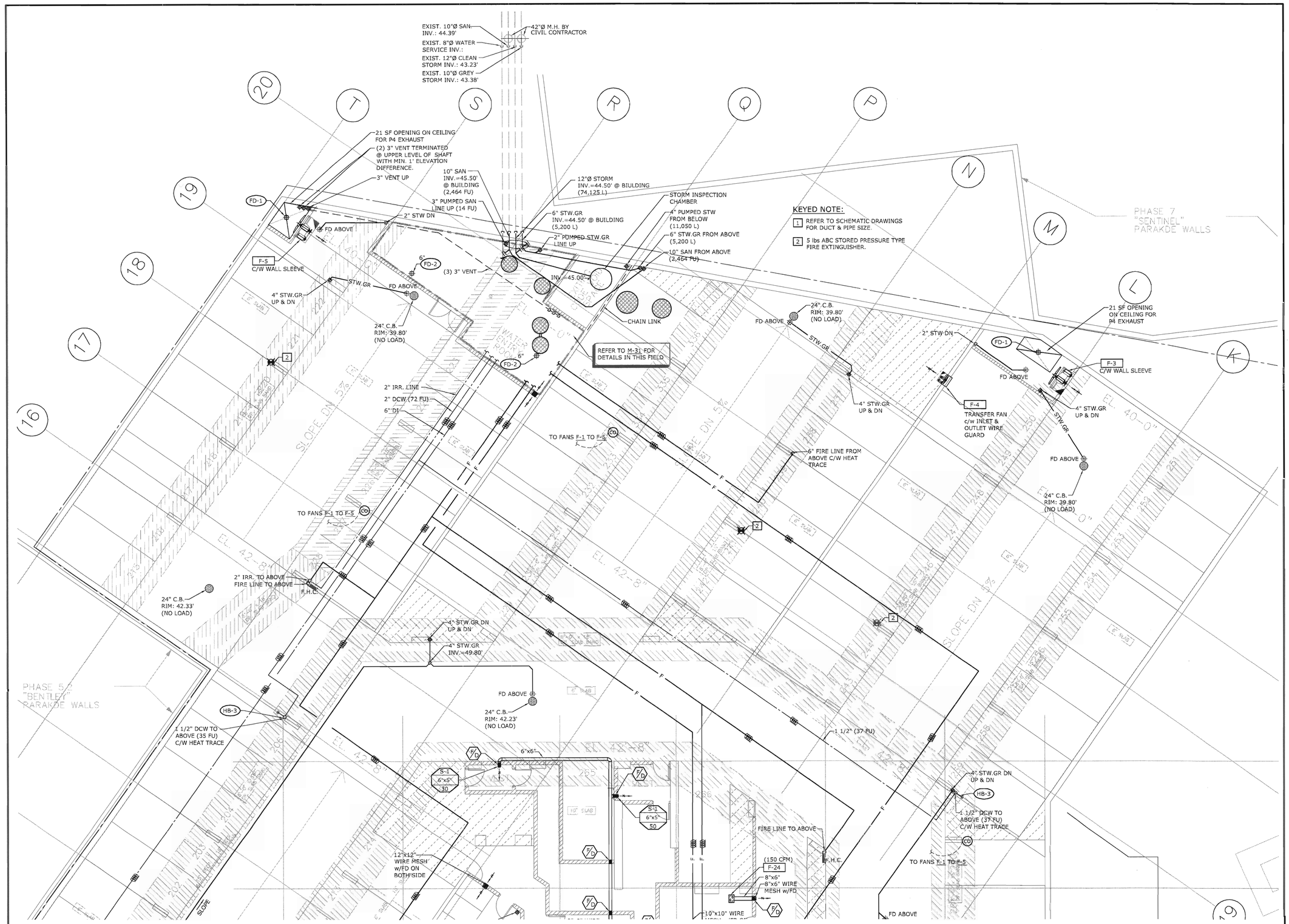
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PARKING PLAN - P4 WEST - MECHANICAL

SCALE: 1/8"=1'-0"

SCALE: ⅛" = 1'-0"

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PARKING PLAN – P4 WEST – MECHANICAL

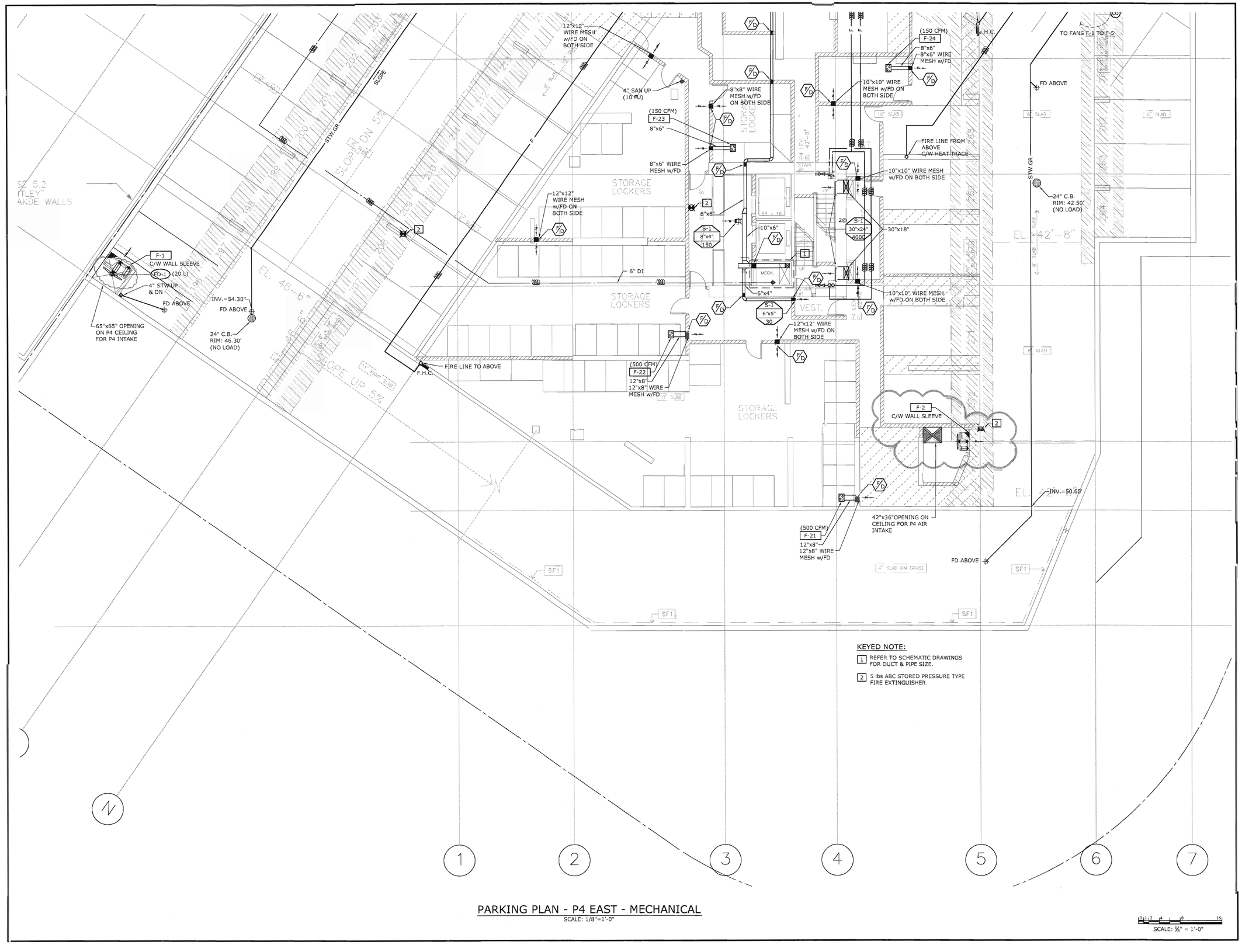
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M–04

OF 36



KEYED NOTE:

1. REFER TO SCHEMATIC DRAWINGS FOR DUCT & PIPE SIZE.
2. 5 lbs ABC STORED PRESSURE TYPE FIRE EXTINGUISHER.

PARKING PLAN - P4 EAST - MECHANICAL

SCALE: 1/8"=1'-0"

SCALE: ⅛" = 1'-0"

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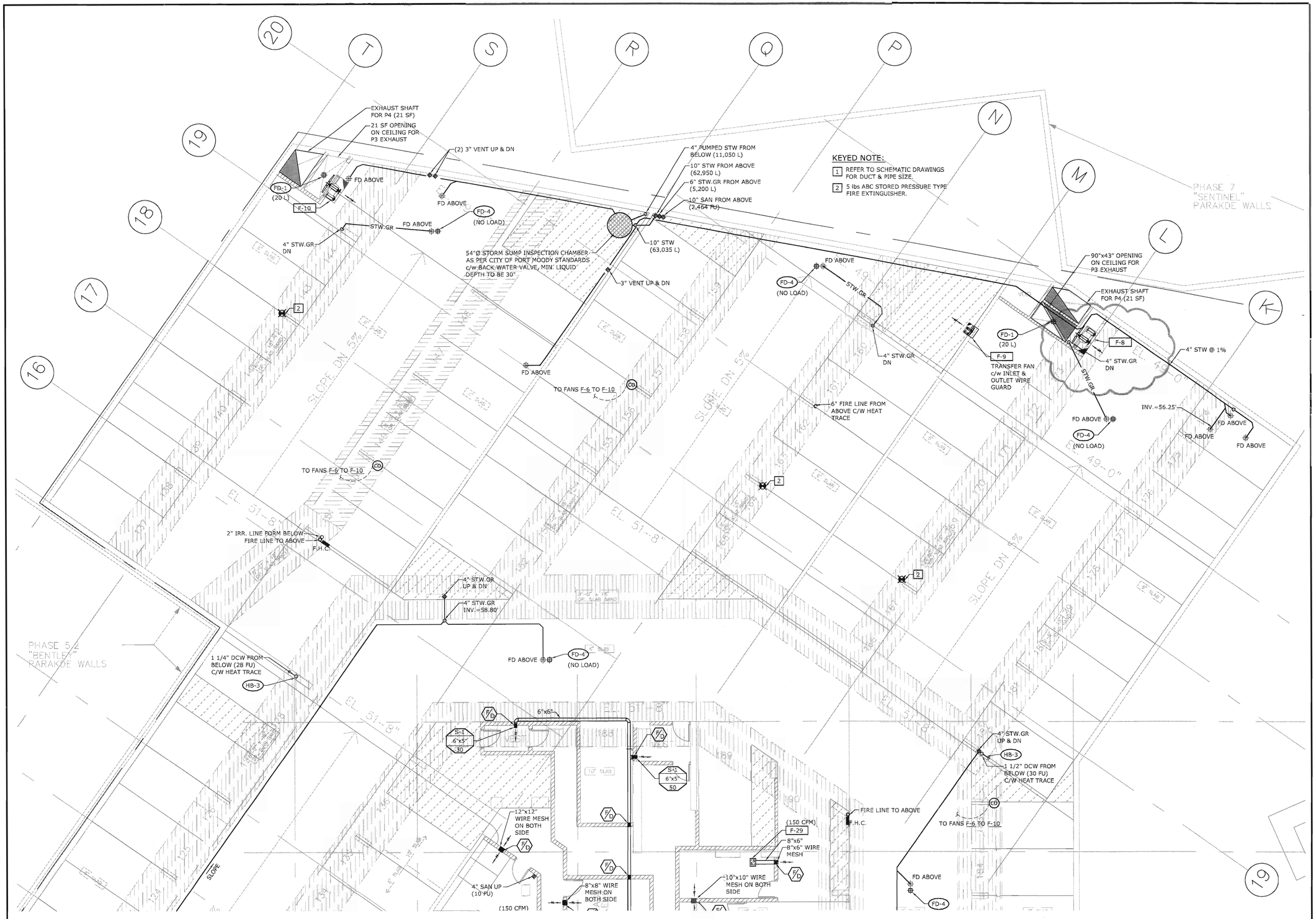
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PARKING PLAN – P4 EAST – MECHANICAL

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PARKING PLAN - P3 WEST - MECHANICAL

SCALE: 1/8"=1'-0"

SCALE: ⅛" = 1'-0"

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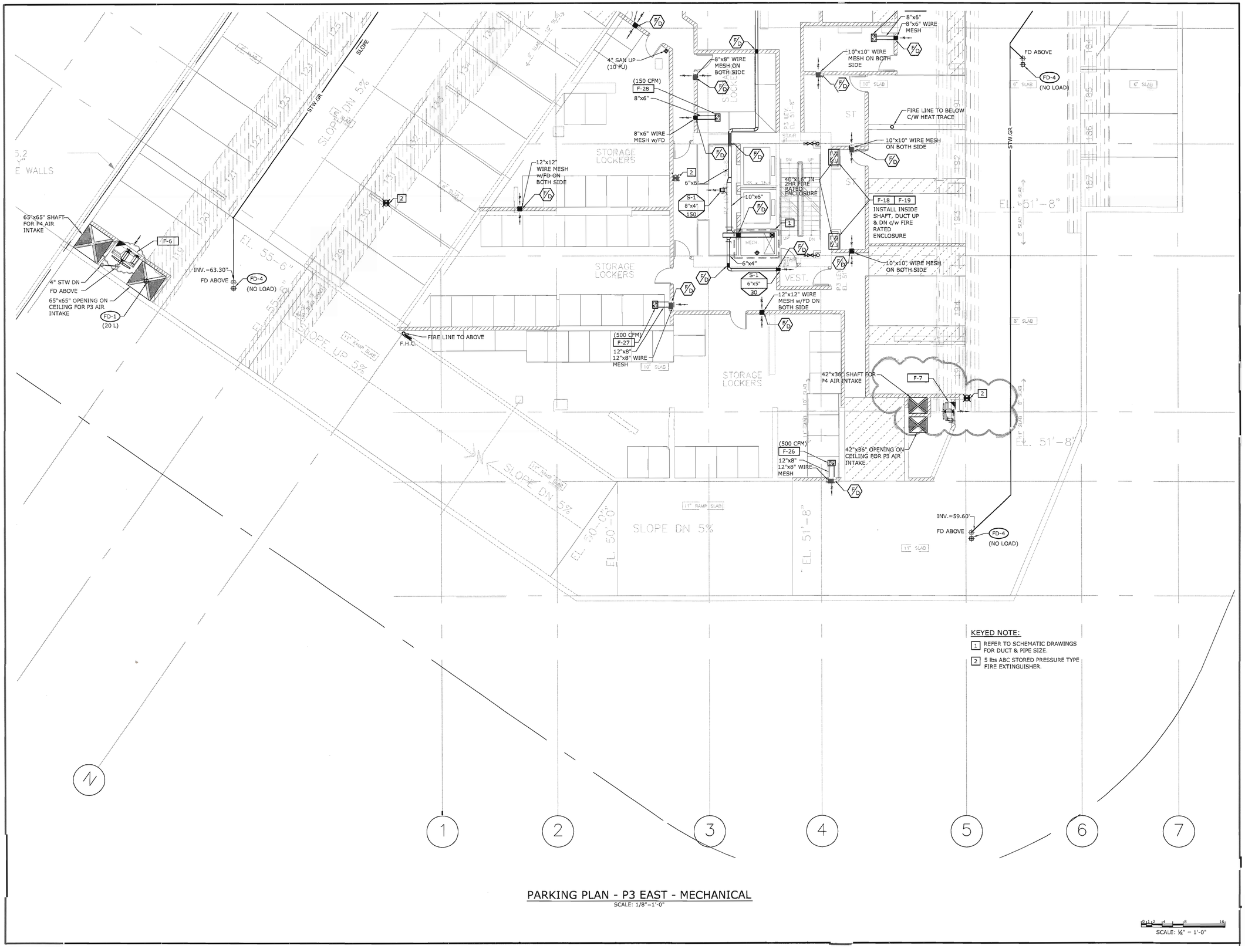
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M–06

OF 36



KEYED NOTE:

1. REFER TO SCHEMATIC DRAWINGS FOR DUCT & PIPE SIZE.
2. 5 lbs ABC STORED PRESSURE TYPE FIRE EXTINGUISHER.

PARKING PLAN - P3 EAST - MECHANICAL

SCALE: 1/8"=1'-0"

SCALE: 1/8" = 1'-0"

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PARKING PLAN – P3 EAST – MECHANICAL

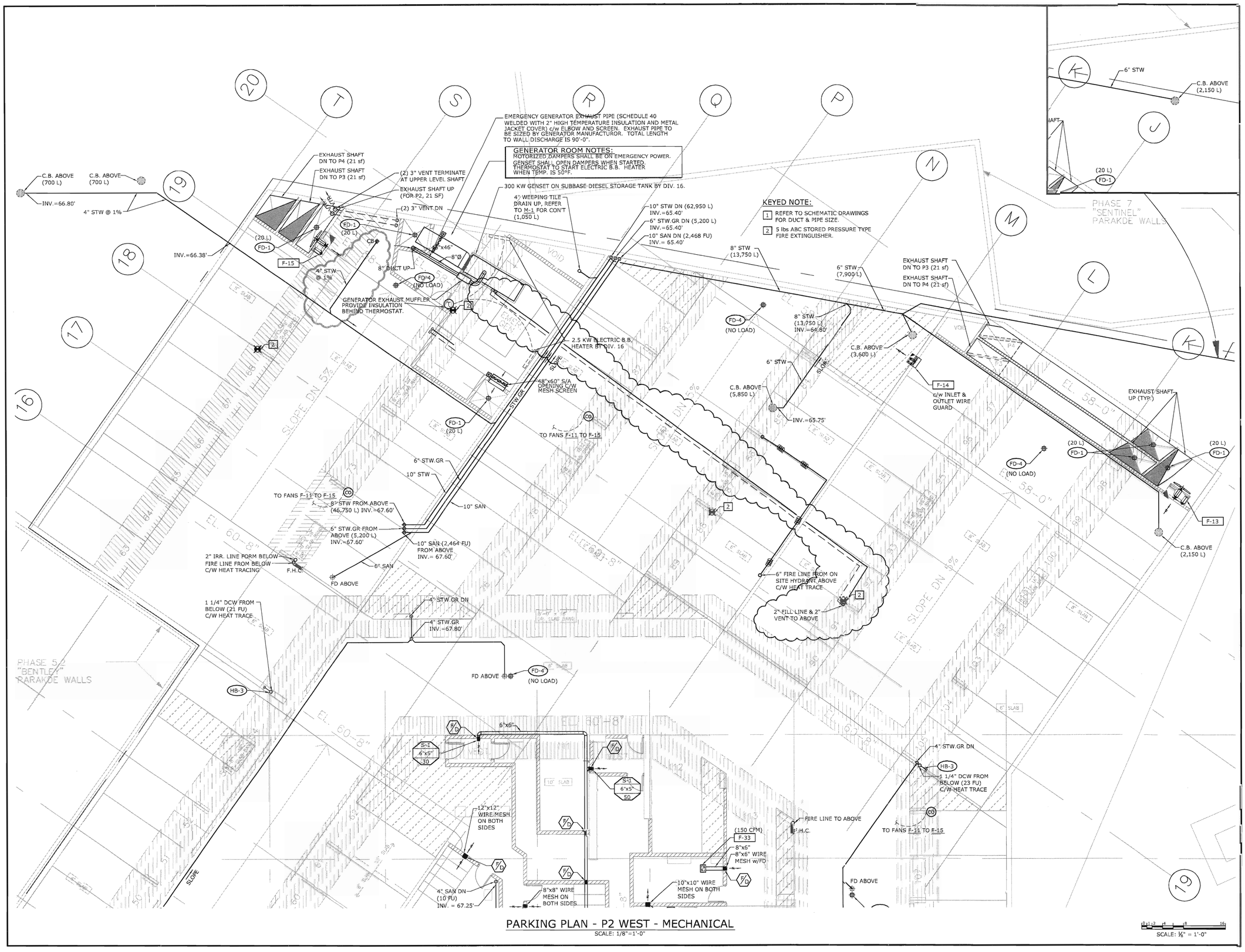
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DRAWN	CHECKED	SCALE
GW/JZ/LW	NK	AS NOTED

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M–07

OF 36



PARKING PLAN - P2 WEST - MECHANICAL

SCALE: 1/8"=1'-0"

SCALE: ⅛" = 1'-0"

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REVISE PLUMBING FIXTURE SCHEDULE	FEB. 22, 2006
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ISSUED FOR 50% REVIEW	SEPT. 19, 2005
ISSUE	DATE

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THE CRESCENDO

DRAWING TITLE

PARKING PLAN – P2 WEST – MECHANICAL

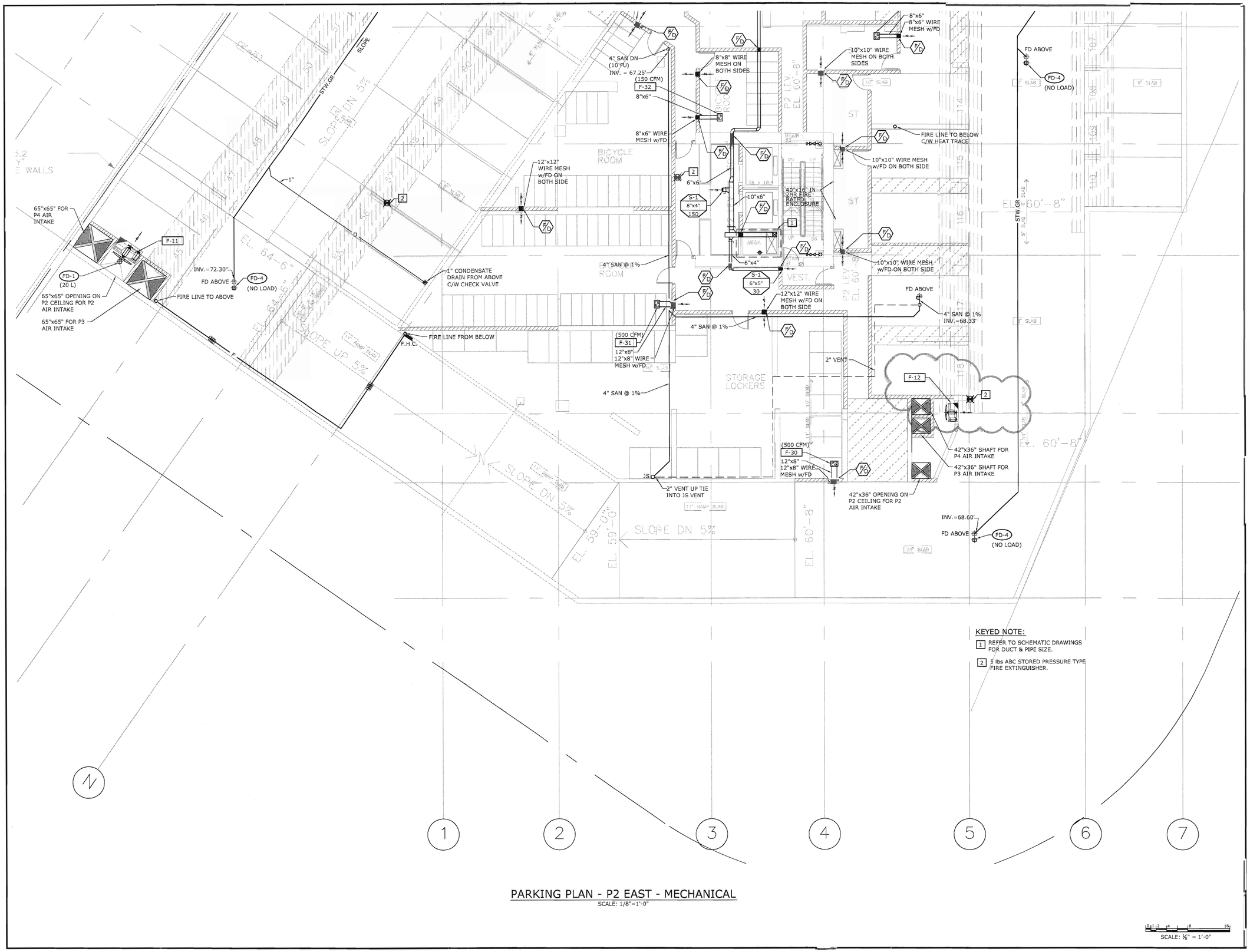
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M–08

OF 36



KEYED NOTE:

1. REFER TO SCHEMATIC DRAWINGS FOR DUCT & PIPE SIZE.
2. 5 lbs ABC STORED PRESSURE TYPE FIRE EXTINGUISHER.

PARKING PLAN - P2 EAST - MECHANICAL

SCALE: 1/8"=1'-0"

SCALE: 1/8" = 1'-0"

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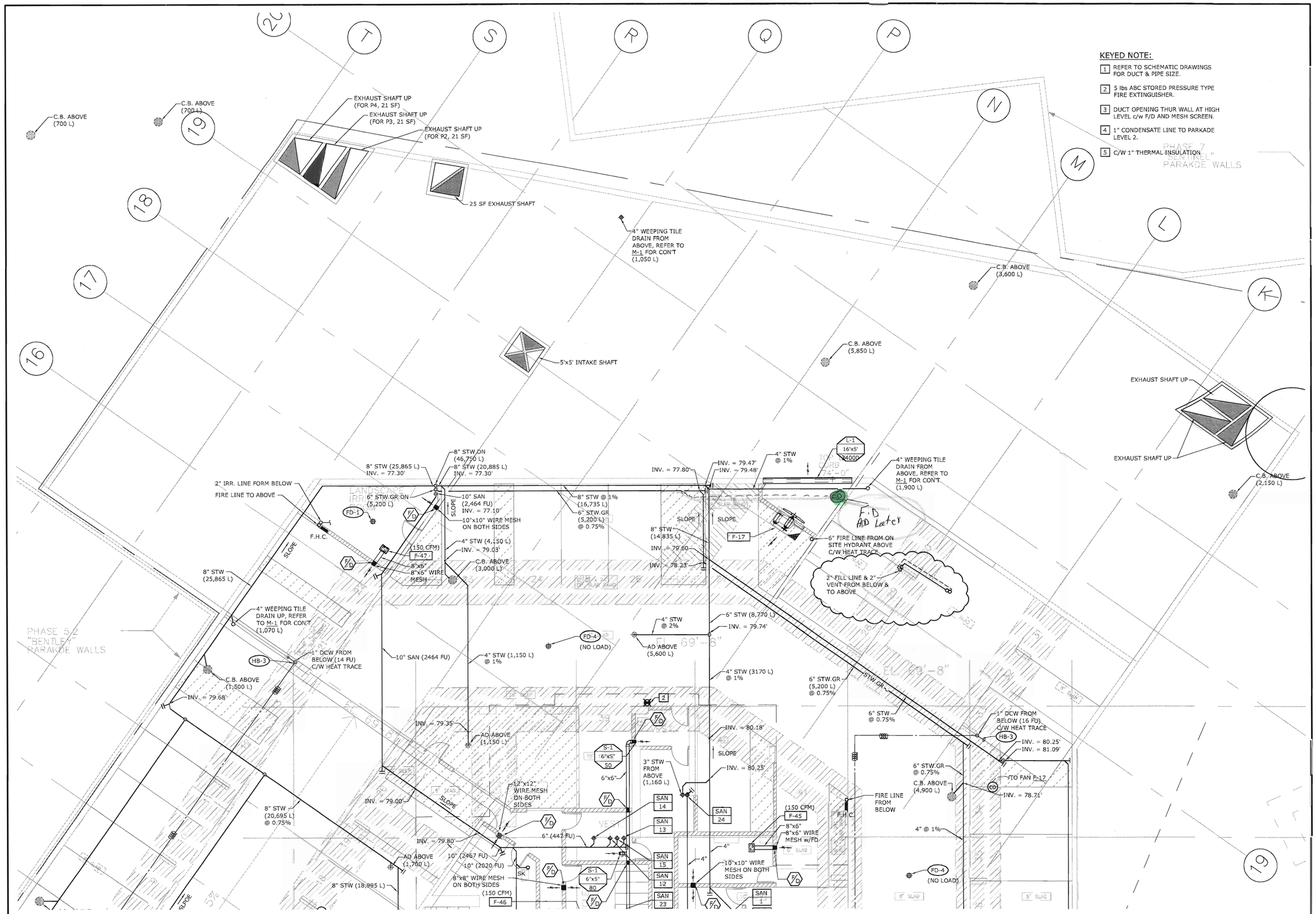
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PARKING PLAN – P2 EAST – MECHANICAL

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PARKING PLAN - P1 WEST - MECHANICAL

SCALE: 1/8"=1'-0"

SCALE: ½" = 1'-0"

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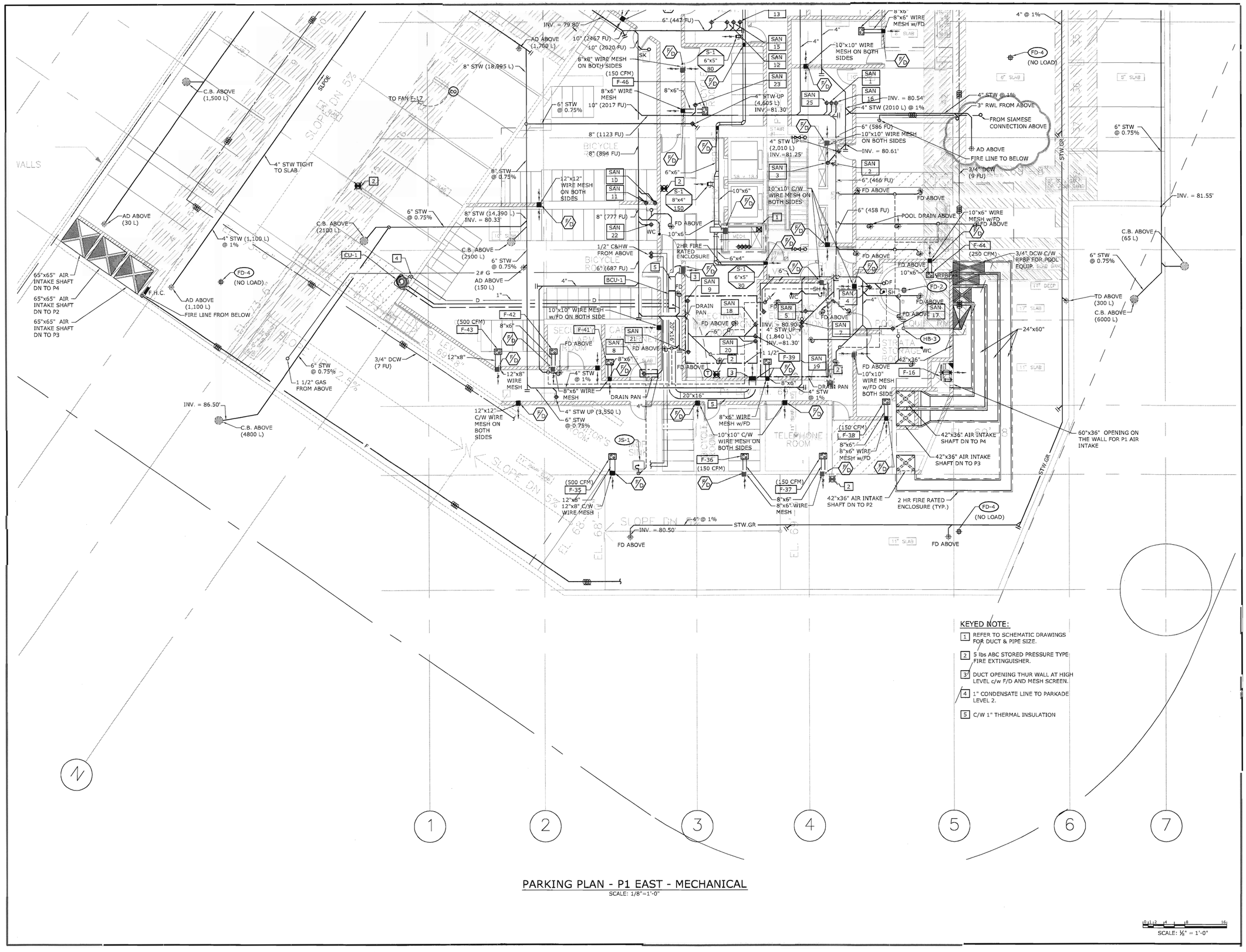
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PARKING PLAN – P1 WEST – MECHANICAL

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M–10
OF 36



KEYED NOTE:

1. REFER TO SCHEMATIC DRAWINGS FOR DUCT & PIPE SIZE.
2. 5 lbs ABC STORED PRESSURE TYPE FIRE EXTINGUISHER.
3. DUCT OPENING THUR WALL AT HIGH LEVEL c/w F/D AND MESH SCREEN.
4. 1" CONDENSATE LINE TO PARKADE LEVEL 2.
5. C/W 1" THERMAL INSULATION

PARKING PLAN - P1 EAST - MECHANICAL

SCALE: 1/8"=1'-0"

SCALE: 1/8" = 1'-0"

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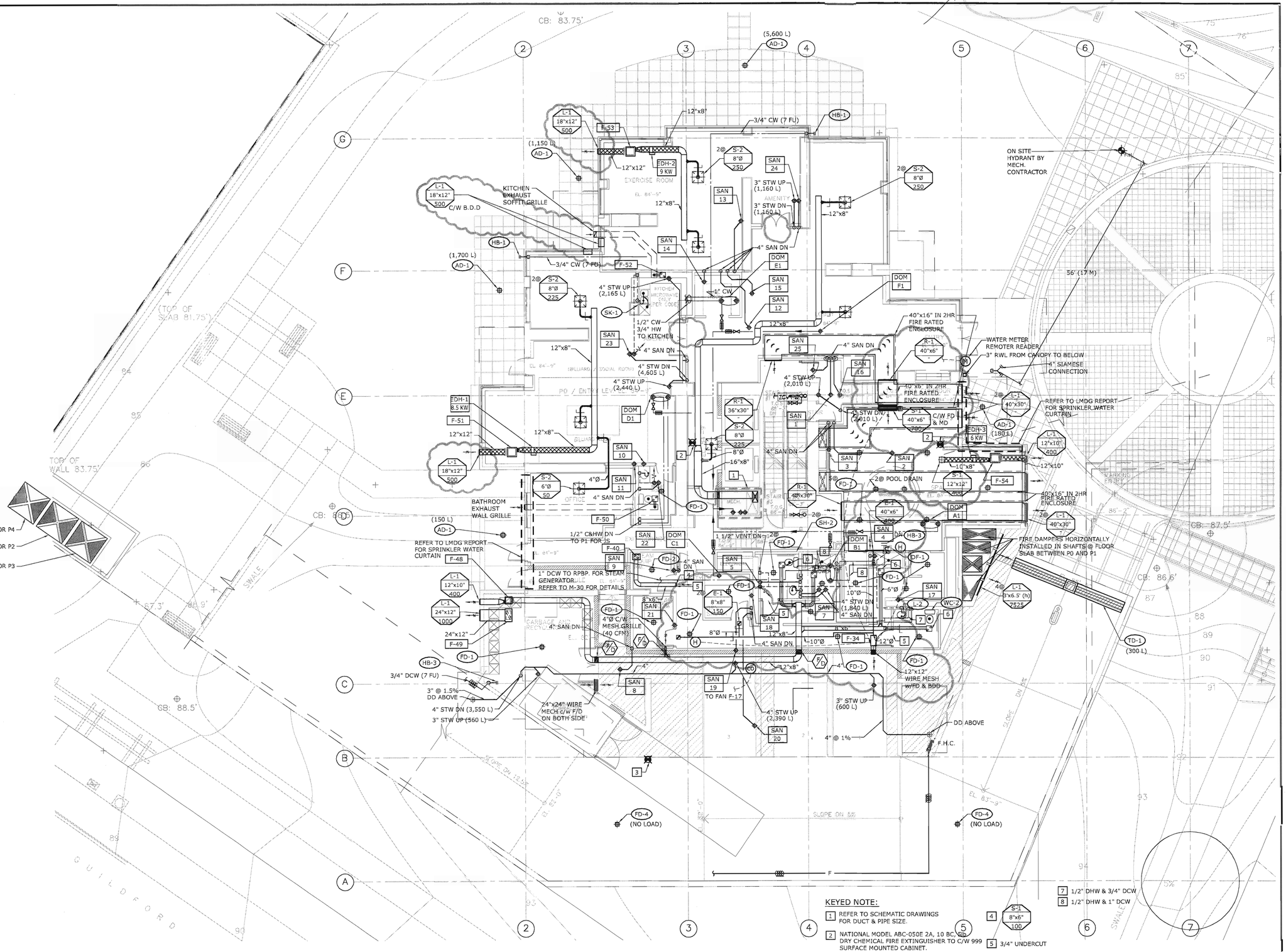
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DRAWING NO.

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P.D ADD LATER see P1 WEST



KEYED NOTE:

1. REFER TO SCHEMATIC DRAWINGS FOR DUCT & PIPE SIZE.
2. NATIONAL MODEL ABC-050E 2A, 10 BC, DRY CHEMICAL FIRE EXTINGUISHER TO C/W 999 SURFACE MOUNTED CABINET.
3. 5 lbs ABC STORED PRESSURE TYPE FIRE EXTINGUISHER.
4. S-1 8"x6" 100
5. 3/4" UNDERCUT
6. E-1 6"Ø 100
7. 1/2" DHW & 3/4" DCW
8. 1/2" DHW & 1" DCW

P0/ENTRY LEVEL PLAN - MECHANICAL

SCALE: 1/8"=1'-0"

SCALE: 1/8" = 1'-0"

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P0/ENTRY LEVEL PLAN - MECHANICAL

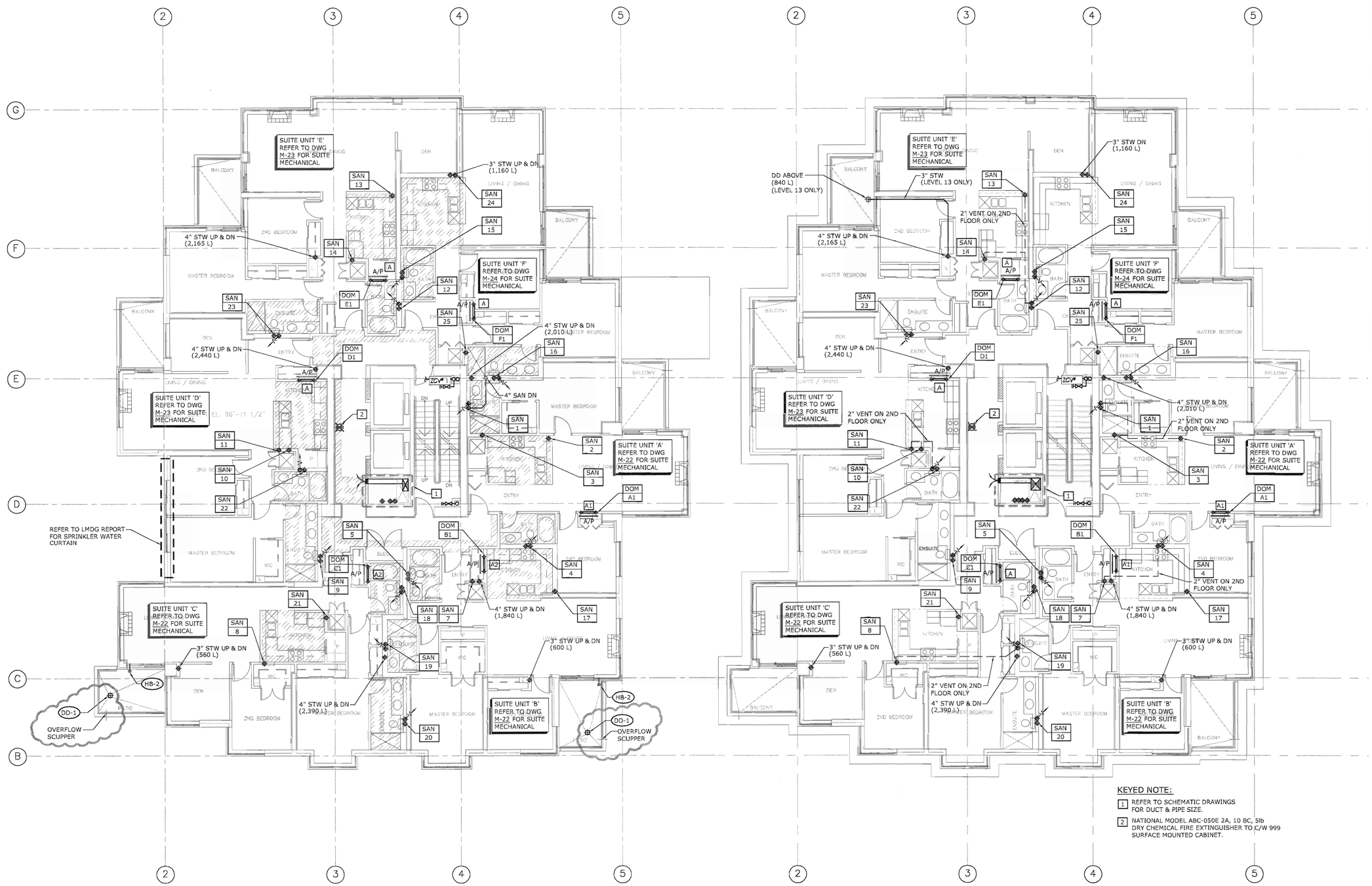
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1ST FLOOR PLAN - MECHANICAL

TYPICAL 2ND TO 7TH FLOOR PLAN - MECHANICAL

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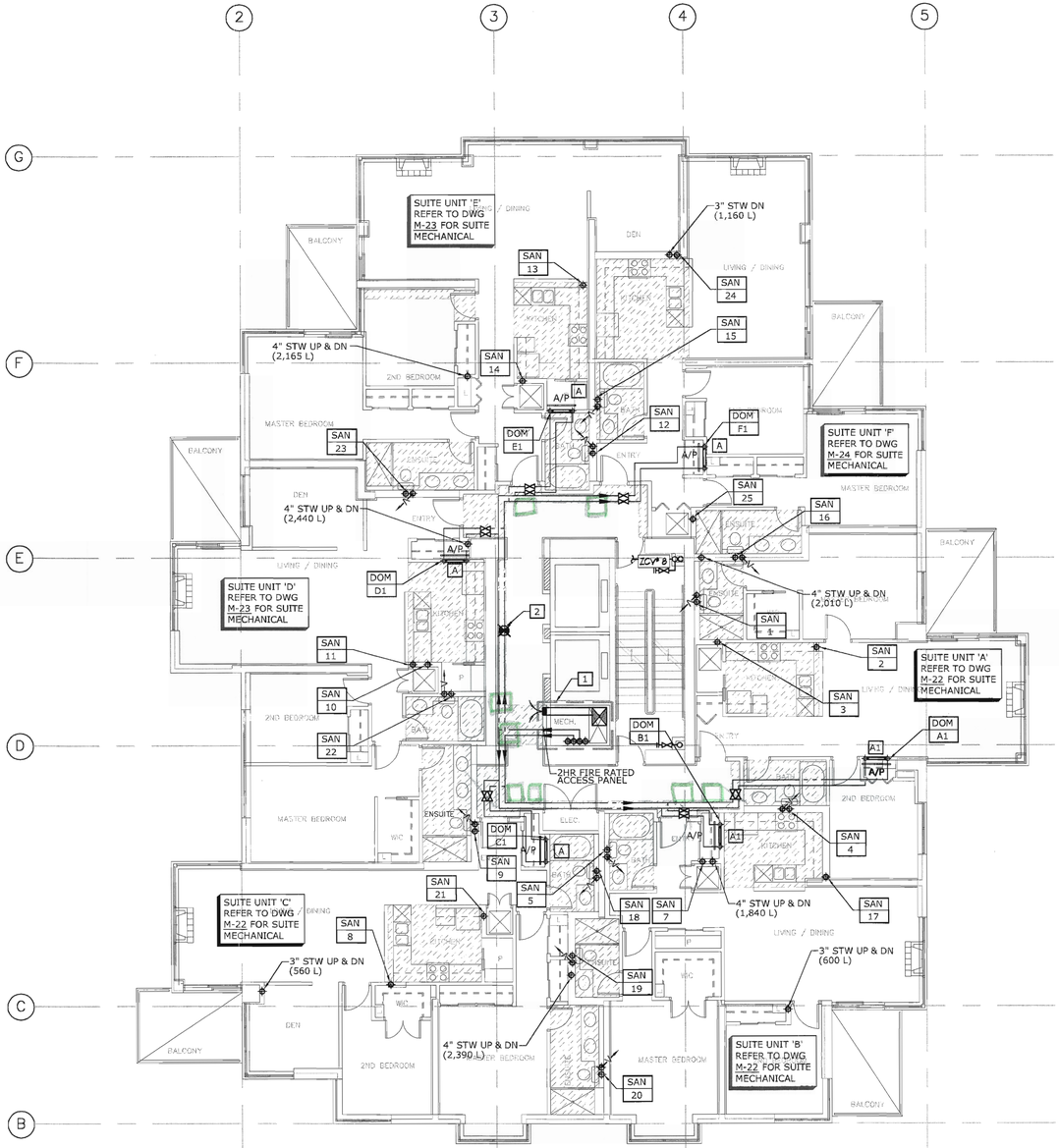
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DRAWING TITLE
1ST FLOOR & TYPICAL 2ND TO 7TH FLOOR PLAN - MECHANICAL

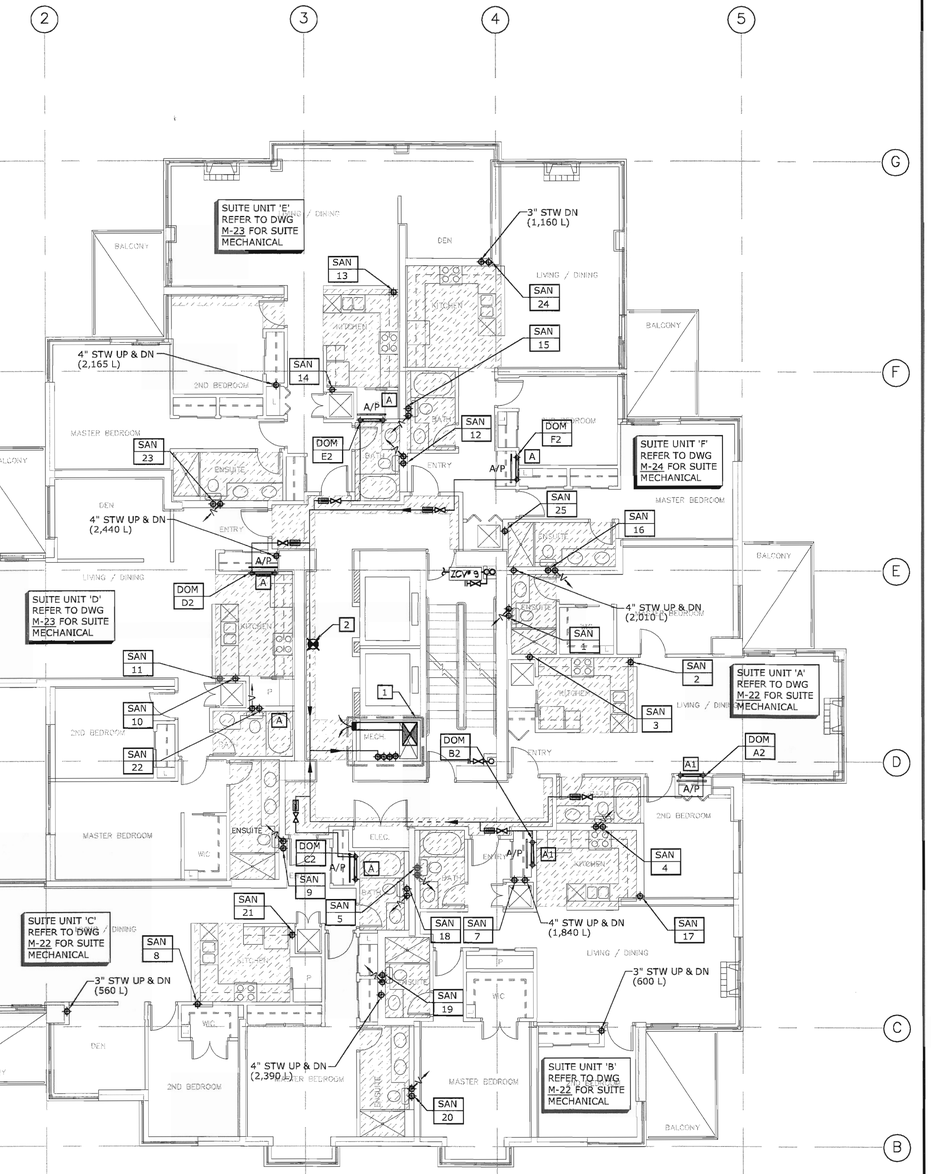
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DRAWING NO.
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OF 36



Green Area
Location of the hot and cold valves



KEYED NOTE:

1. REFER TO SCHEMATIC DRAWINGS FOR DUCT & PIPE SIZE.
2. NATIONAL MODEL ABC-050E 2A, 10 BC, 5lb DRY CHEMICAL FIRE EXTINGUISHER TO C/W 999 SURFACE MOUNTED CABINET.

SCALE: ½" = 1'-0"

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PROJECT TITLE

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8TH & 9TH FLOOR PLANS – MECHANICAL

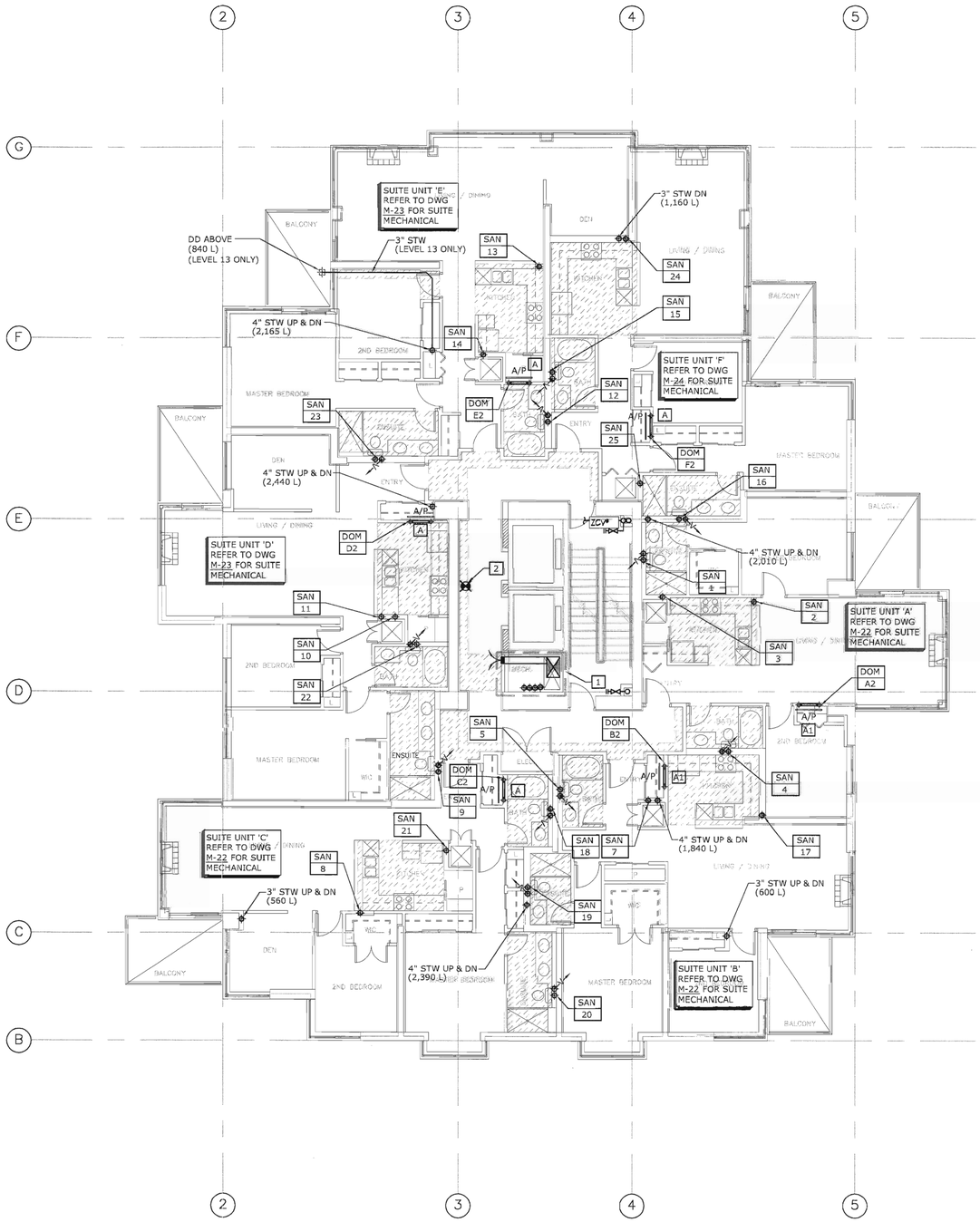
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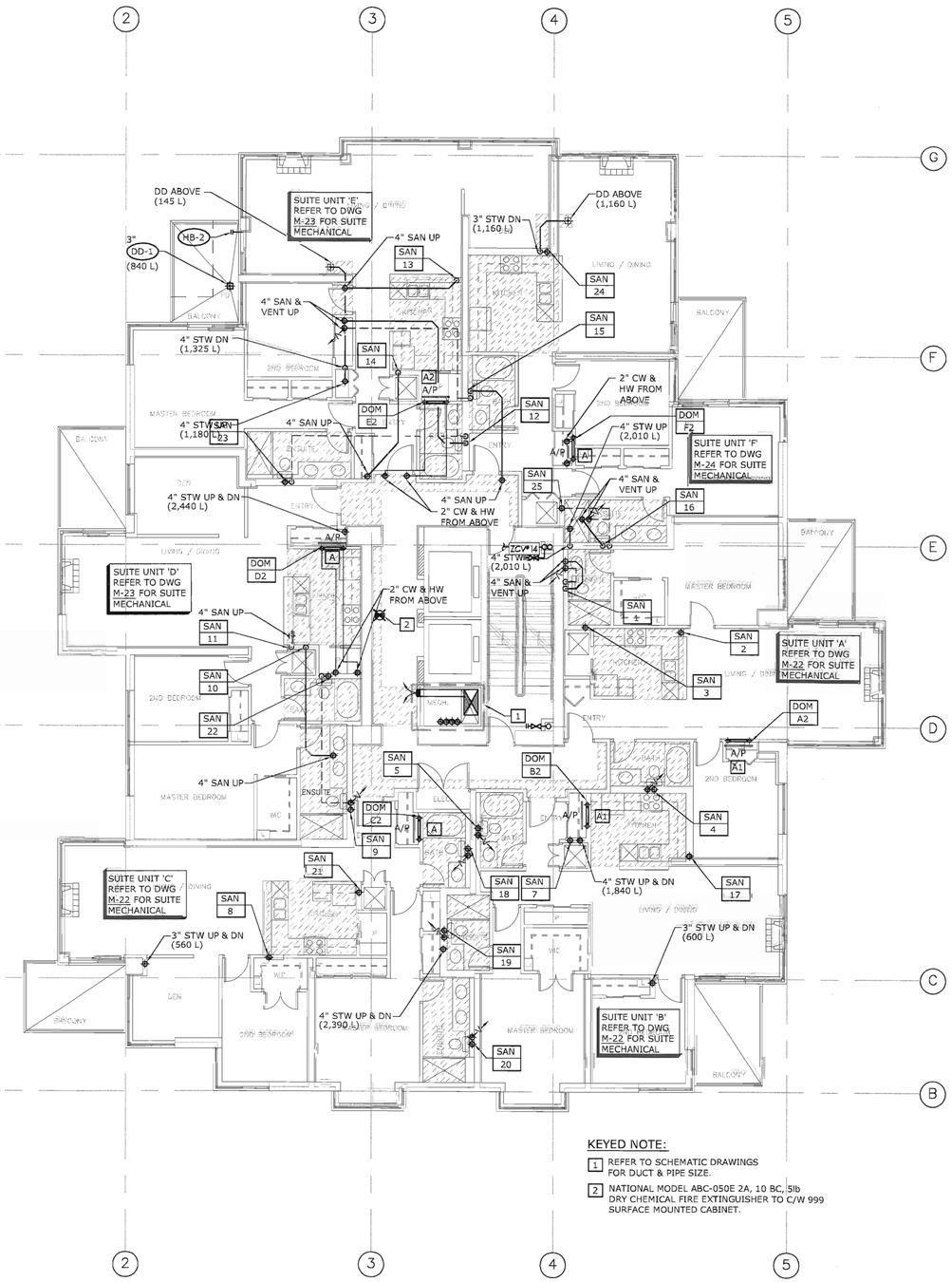
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OF 36



TYPICAL 10TH TO 13TH FLOOR PLAN - MECHANICAL

SCALE: 1/8"=1'-0"



14TH FLOOR PLAN - MECHANICAL

SCALE: 1/8"=1'-0"

KEYED NOTE:

1. REFER TO SCHEMATIC DRAWINGS FOR DUCT & PIPE SIZE.
2. NATIONAL MODEL ABC-050E 2A, 10 BC, 5lb DRY CHEMICAL FIRE EXTINGUISHER TO C/W 999 SURFACE MOUNTED CABINET.

SCALE: 1/8" = 1'-0"

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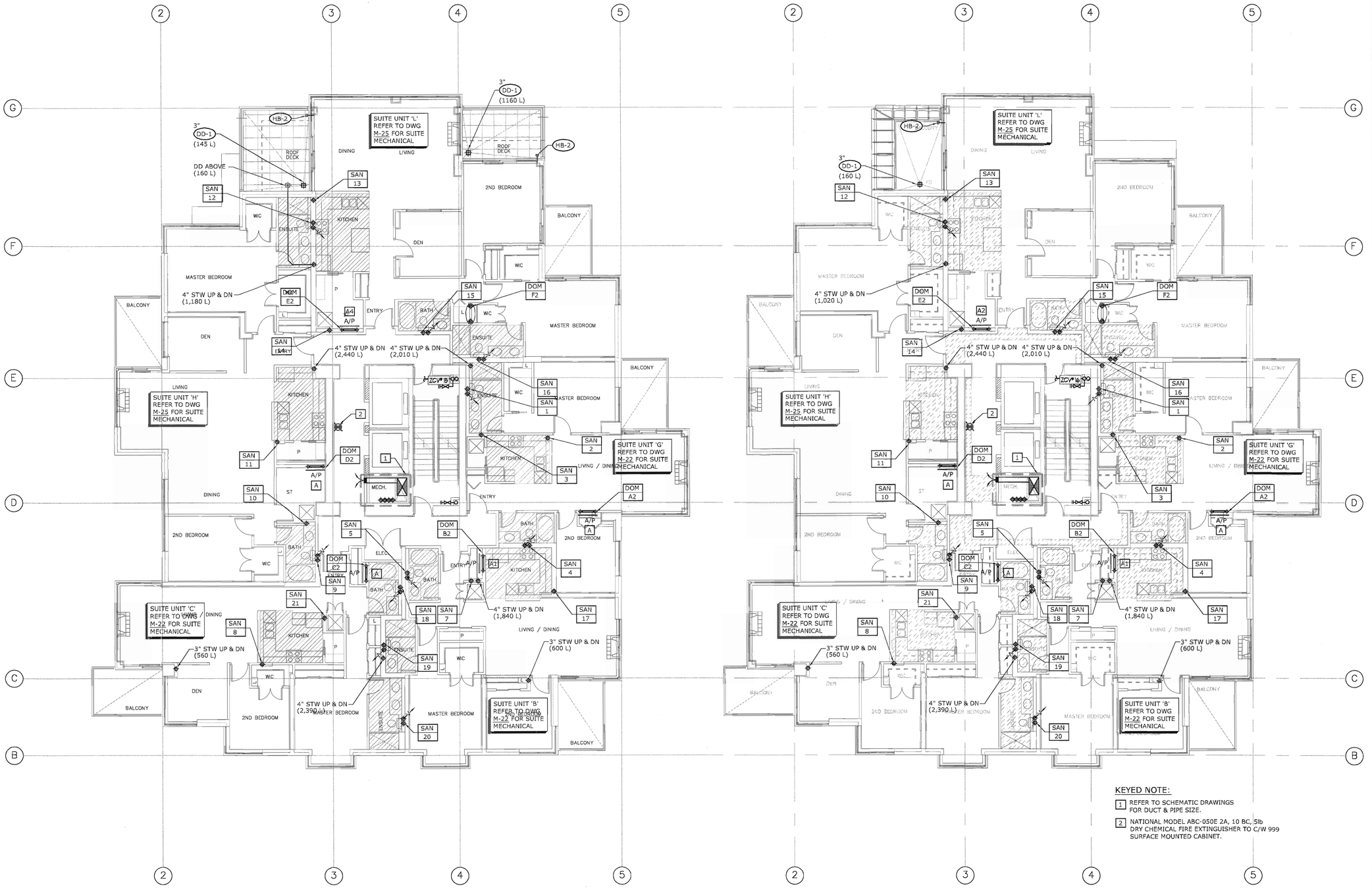
TYPICAL 10TH TO 13TH & 14TH FLOOR PLANS – MECHANICAL

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M-15



15TH FLOOR PLAN - MECHANICAL

SCALE: 1/8"=1'-0"

16TH FLOOR PLAN - MECHANICAL

SCALE: 1/8"=1'-0"

KEYED NOTE:

1. REFER TO SCHEMATIC DRAWINGS FOR DUCT & PIPE SIZE.
2. NATIONAL MODEL ABC-050E 2A, 10 BC, 5lb DRY CHEMICAL FIRE EXTINGUISHER TO C/W 999 SURFACE MOUNTED CABINET.

SCALE: ½" = 1'-0"

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15TH & 16TH FLOOR PLANS – MECHANICAL

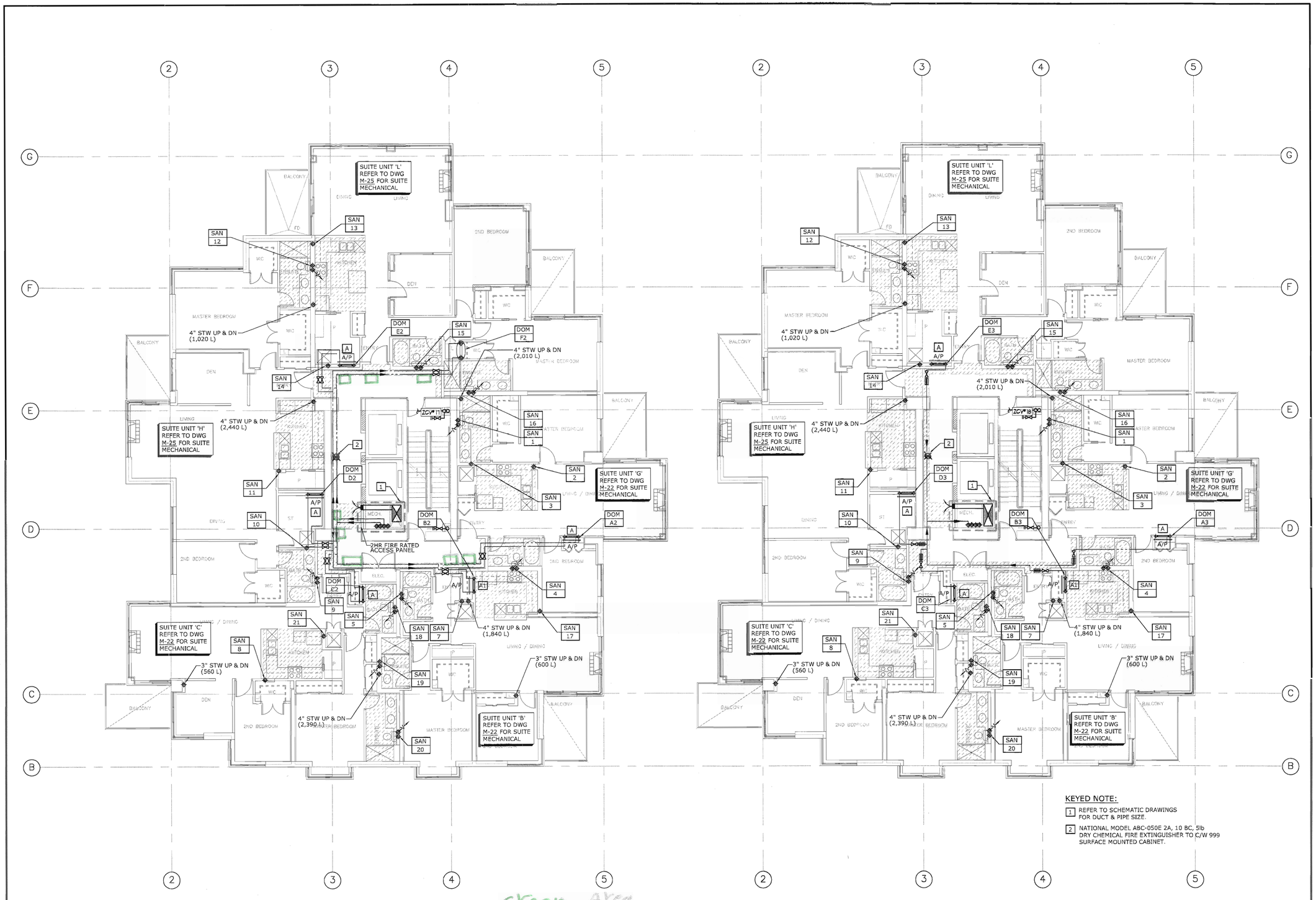
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17TH FLOOR PLAN - MECHANICAL

SCALE: 1/8"=1'-0"

18TH FLOOR PLAN - MECHANICAL

SCALE: 1/8"=1'-0"

SCALE: ½" = 1'-0"

KEYED NOTE:

1. REFER TO SCHEMATIC DRAWINGS FOR DUCT & PIPE SIZE.
2. NATIONAL MODEL ABC-050E 2A, 10 BC, 5lb DRY CHEMICAL FIRE EXTINGUISHER TO C/W 999 SURFACE MOUNTED CABINET.

Green Area
NEW location of the hot and cold water valves

N

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17TH & 18TH FLOOR PLANS – MECHANICAL

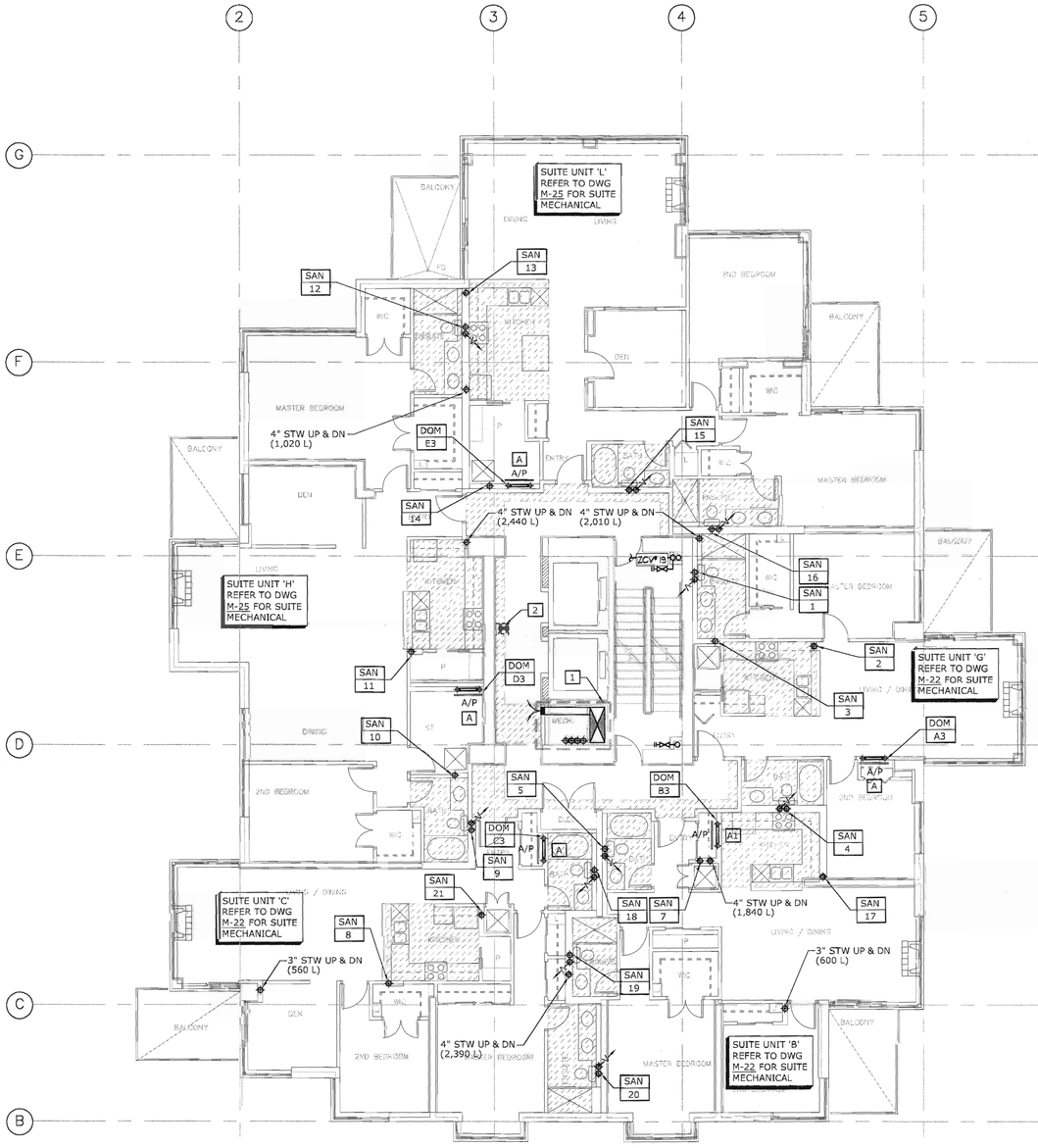
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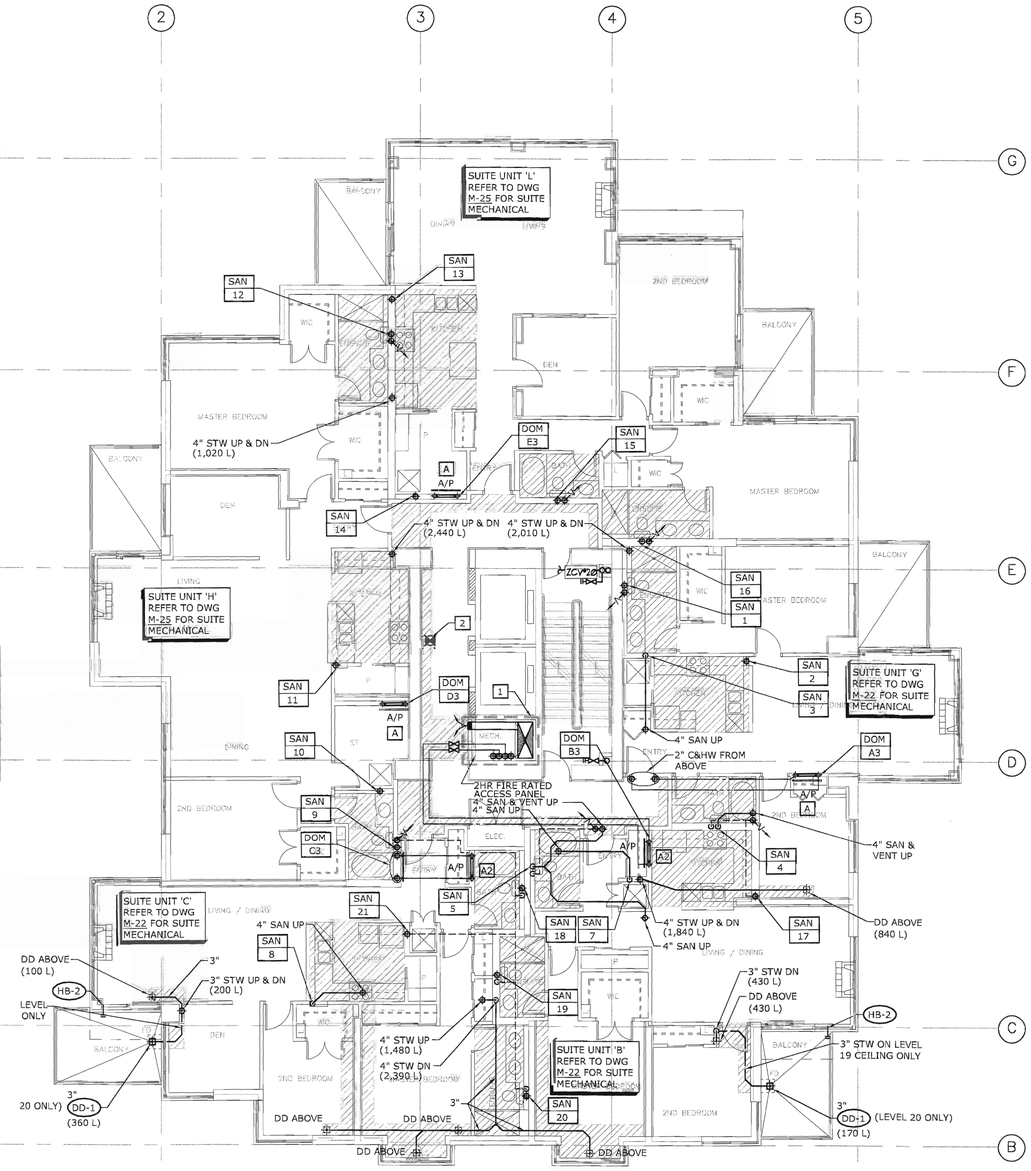
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19TH FLOOR PLAN - MECHANICAL

SCALE: 1/8"=1'-0"



20TH FLOOR PLAN - MECHANICAL

SCALE: 1/8"=1'-0"

KEYED NOTE:

1. REFER TO SCHEMATIC DRAWINGS FOR DUCT & PIPE SIZE.
2. NATIONAL MODEL ABC-050E 2A, 10 BC, 5lb DRY CHEMICAL FIRE EXTINGUISHER TO C/W 999 SURFACE MOUNTED CABINET.

SCALE: ⅛" = 1'-0"

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19TH & 20TH FLOOR PLANS – MECHANICAL

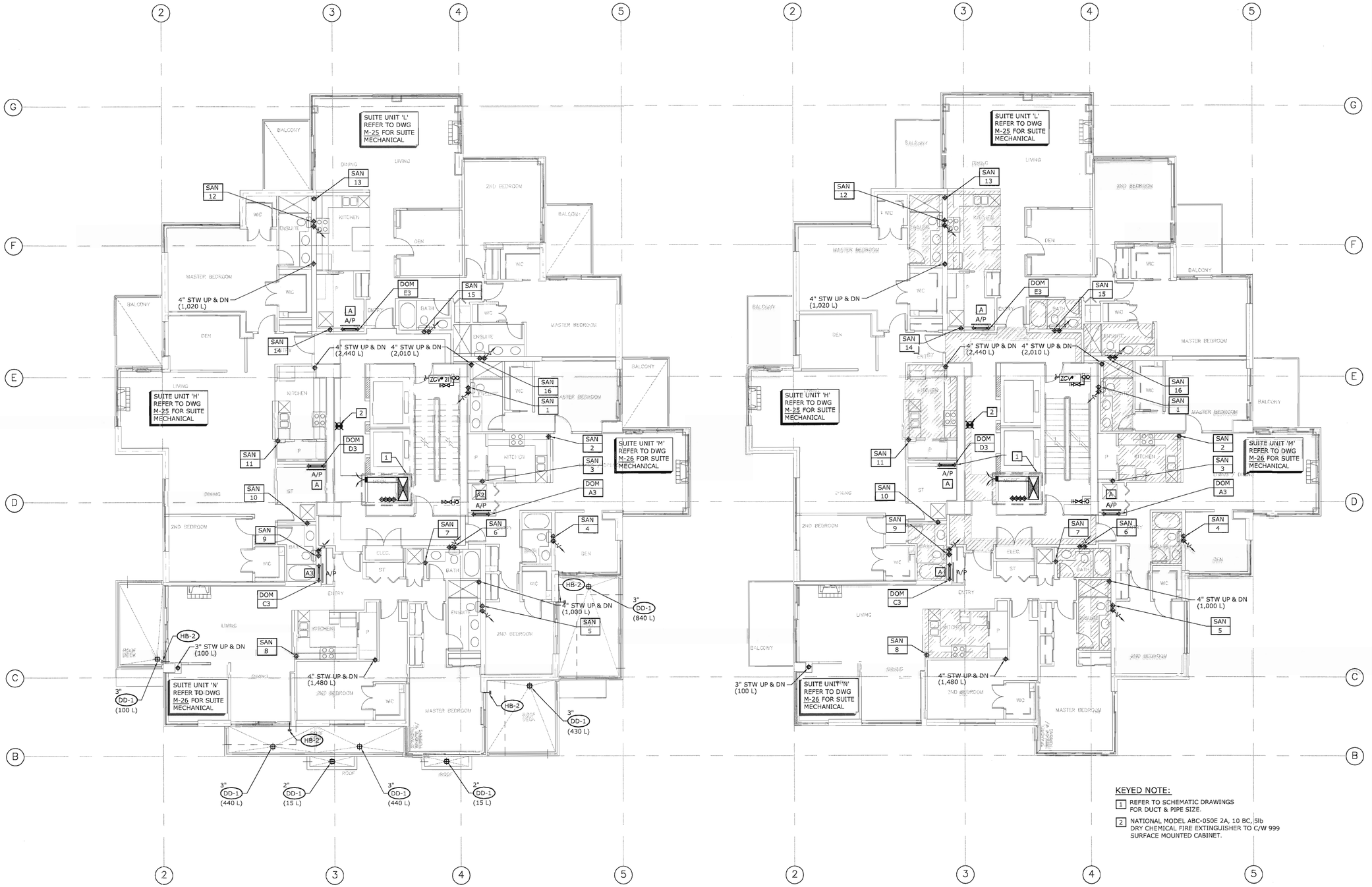
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DRAWING NO.

M-18

OF 36



21ST FLOOR PLAN - MECHANICAL

SCALE: 1/8"=1'-0"

TYPICAL 22ND TO 24TH FLOOR PLAN - MECHANICAL

SCALE: 1/8"=1'-0"

KEYED NOTE:

1. REFER TO SCHEMATIC DRAWINGS FOR DUCT & PIPE SIZE.
2. NATIONAL MODEL ABC-050E 2A, 10 BC, 5lb DRY CHEMICAL FIRE EXTINGUISHER TO C/W 999 SURFACE MOUNTED CABINET.

SCALE: 1/8" = 1'-0"

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Project Reference No: 05-3073-000

ISSUE	DATE
REVISE PLUMBING FIXTURE SCHEDULE	FEB. 22, 2006
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ISSUED FOR BUILDING PERMIT	NOV. 21, 2005
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ISSUED FOR 50% REVIEW	SEPT. 19, 2005

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PROJECT TITLE

THE CRESCENDO

DRAWING TITLE

21ST & TYPICAL
22ND TO 24TH FLOOR
PLANS – MECHANICAL

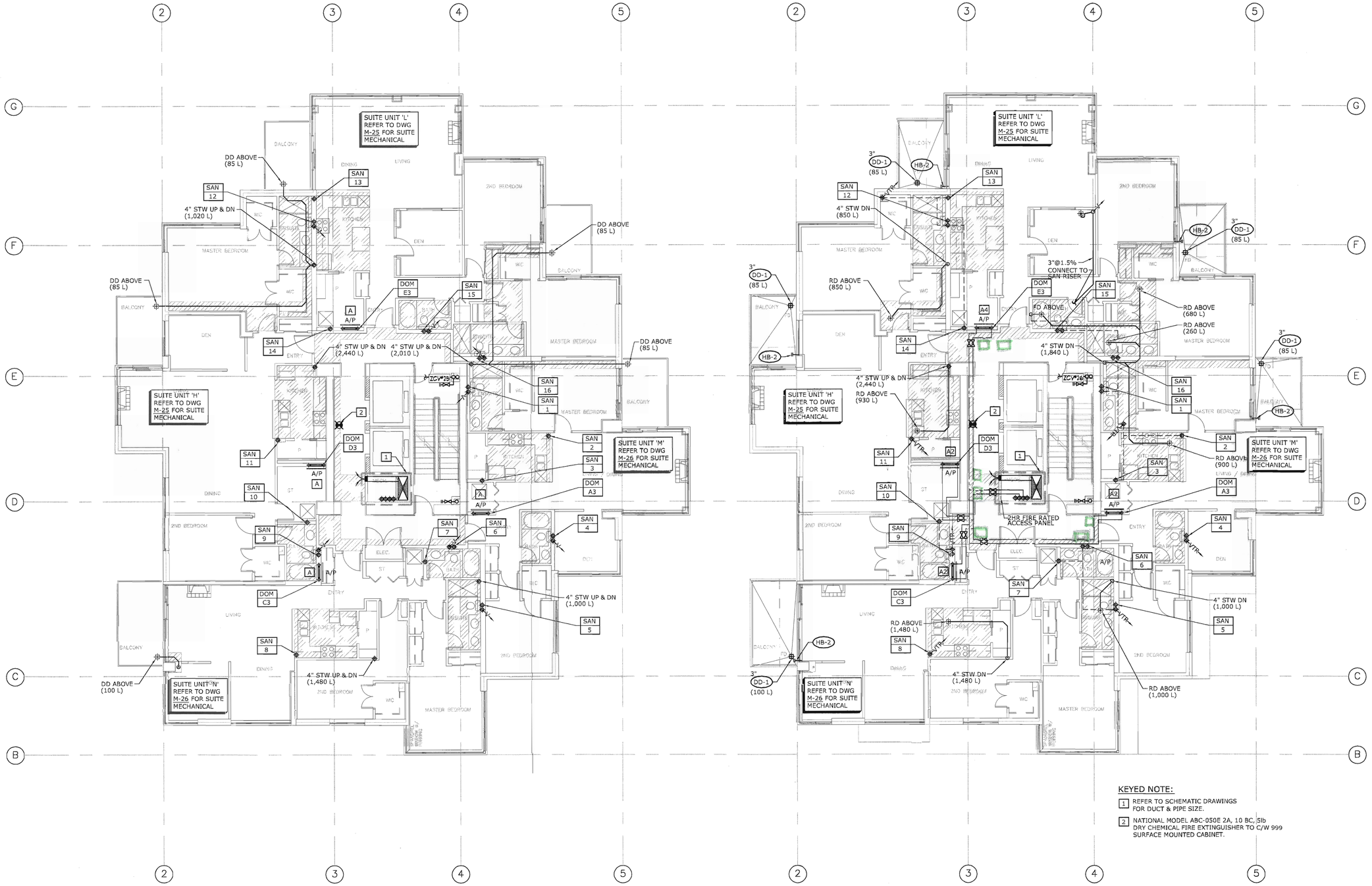
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OF 36



KEYED NOTE:

1. REFER TO SCHEMATIC DRAWINGS FOR DUCT & PIPE SIZE.
2. NATIONAL MODEL ABC-050E 2A, 10 BC, 5lb DRY CHEMICAL FIRE EXTINGUISHER TO C/W 999 SURFACE MOUNTED CABINET.

25TH FLOOR PLAN - MECHANICAL
SCALE: 1/8"=1'-0"

Green Area new Location for hot and cold water valves

26TH FLOOR PLAN - MECHANICAL
SCALE: 1/8"=1'-0"

SCALE: 1/8" = 1'-0"

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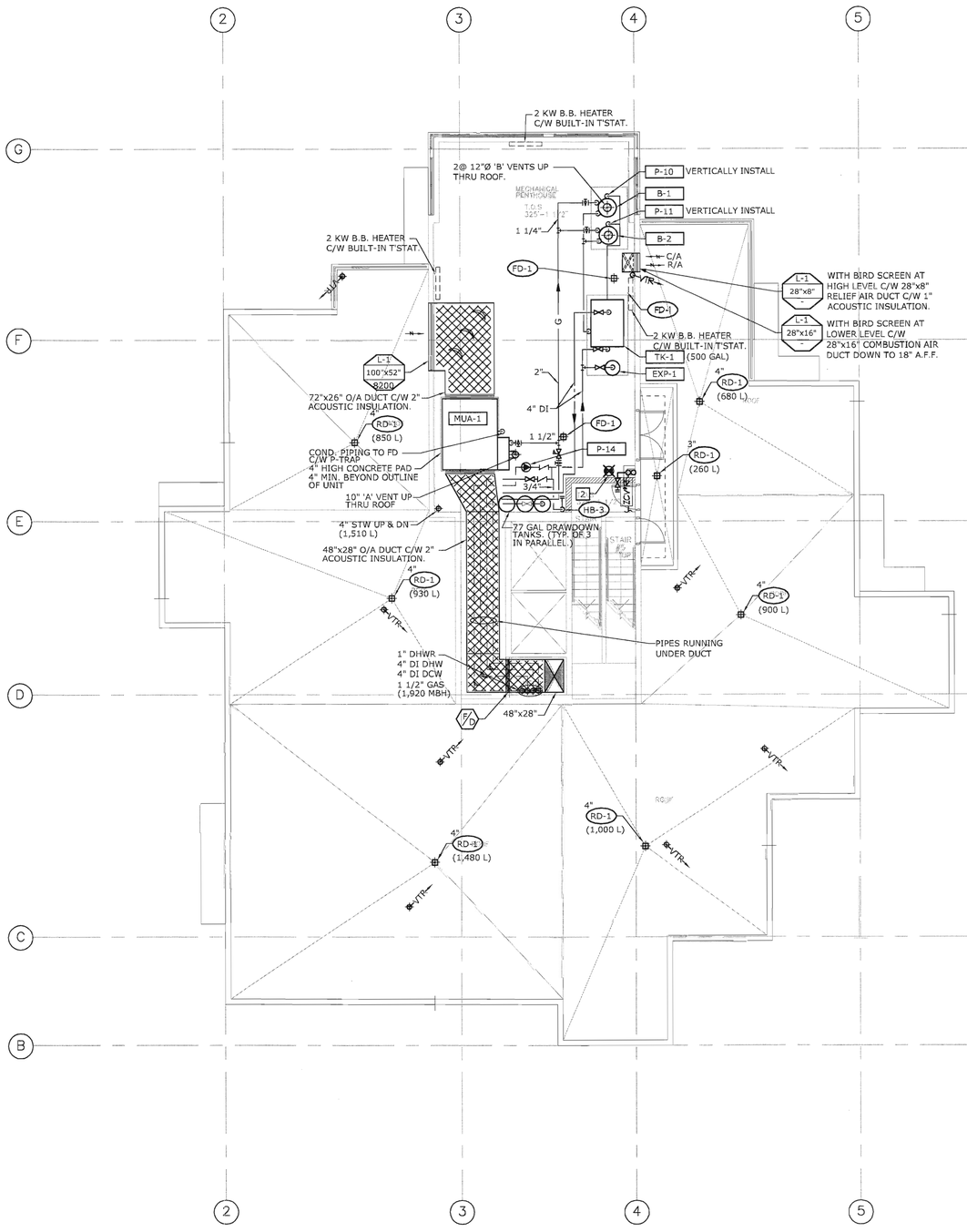
PROJECT TITLE
THE CRESCENDO

DRAWING TITLE
25TH & 26TH FLOOR PLANS - MECHANICAL

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DRAWING NO.
M-20
OF 36



KEYED NOTE:

1. REFER TO SCHEMATIC DRAWINGS FOR DUCT & PIPE SIZE.
2. NATIONAL MODEL ABC-050E 2A, 10 BC, 5lb DRY CHEMICAL FIRE EXTINGUISHER TO C/W 999 SURFACE MOUNTED CABINET.

MAIN ROOF PLAN - MECHANICAL
SCALE: 1/8"=1'-0"

ELEVATOR MACHINE ROOM & UPPER ROOF PLAN - MECHANICAL
SCALE: 1/8"=1'-0"

SCALE: ½" = 1'-0"

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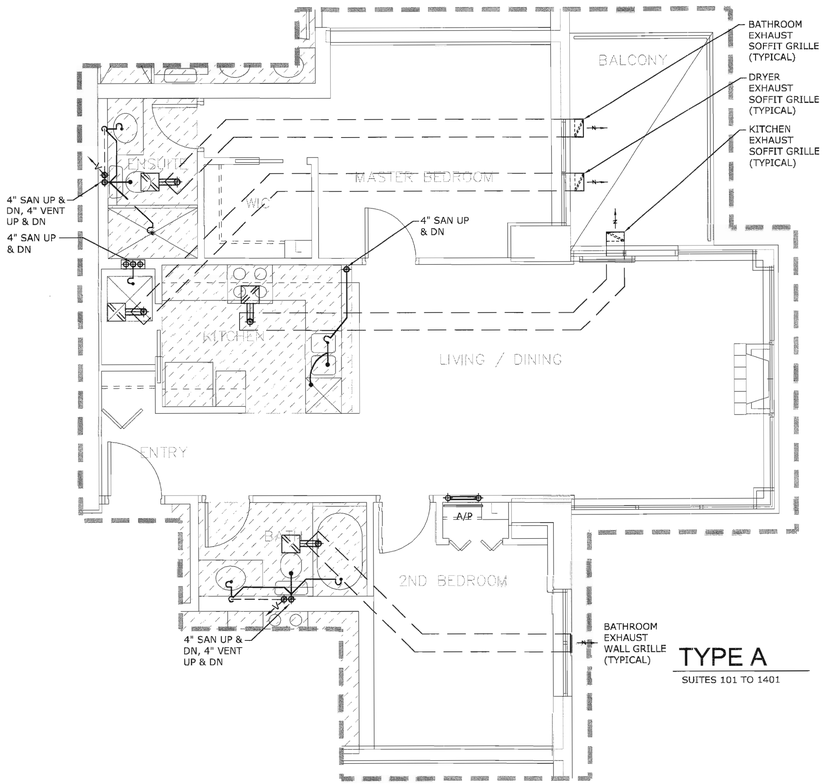
PROJECT TITLE
THE CRESCENDO

DRAWING TITLE
MAIN ROOF, ELEVATOR MACHINE ROOM & UPPER ROOF PLANS – MECHANICAL

PROJECT NO.	FILE / DATE
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DRAWN: GW/JZ/LW	CHECKED: NK
SCALE: AS NOTED	

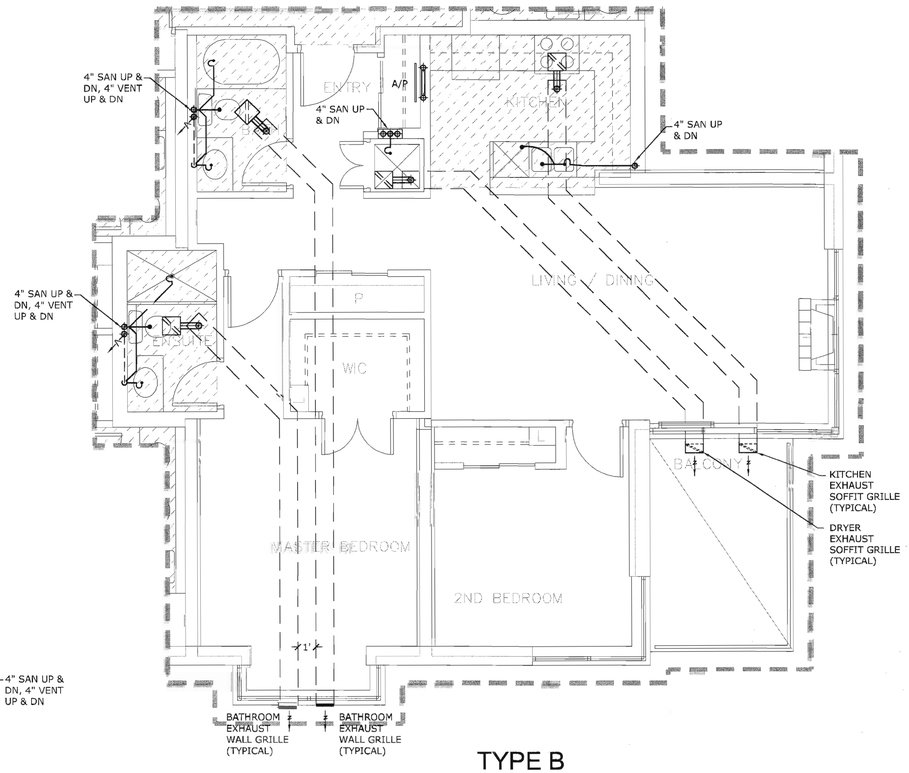
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DRAWING NO.
M–21
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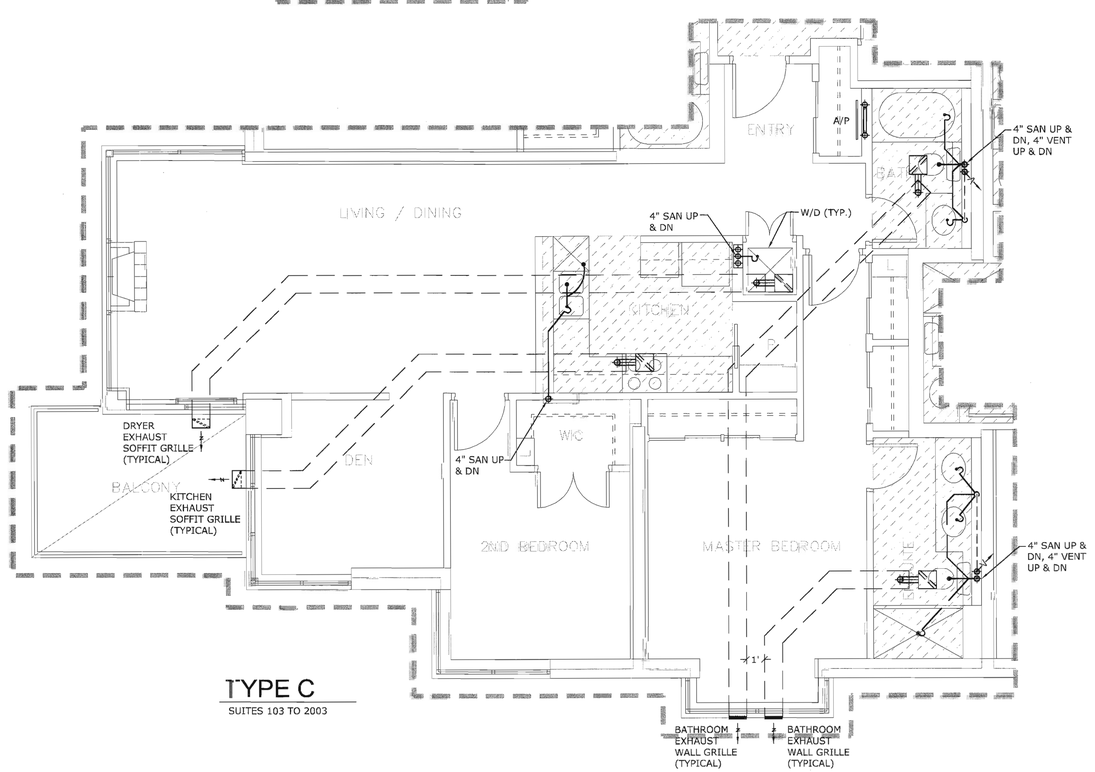
TYPE A

SUITES 101 TO 1401



TYPE B

SUITES 102 TO 2002



TYPE C

SUITES 103 TO 2003

GENERAL NOTES:

1. SEE FLOOR PLANS FOR PLUMBING RISER DESIGNATIONS & OFFSETS OF RISERS.
2. A/P = ACCESS PANEL
3. ALL WATER CLOSETS TO BE (WC-1),
   ALL LAVATORIES TO BE (L-1),
   ALL BATHTUBS TO BE (BT-1),
   ALL KITCHEN SINKS TO BE (SK-1)
   ALL CLOTHES WASHER SUPPLY/DRAIN BOX TO BE (CW-1),
   ALL SHOWERS TO BE (SH-1),
   ALL KITCHEN EXHAUST FANS TO BE [F-55]
   ALL DRYER BOOSTER FANS TO BE [F-56]
   ALL PRIMARY EXHAUST FANS TO BE [F-57],
   ALL ENSUITE EXHAUST FANS TO BE [F-58],
   UNLESS NOTED OTHERWISE.
4. ALL INSLAB DUCT 12" x 1 3/4" (TYPICAL).
   ALL SOFFIT GRILLE 12" x 4" (TYPICAL).
   ALL WALL GRILLE 12" x 4" (TYPICAL).

SCALE: ½" = 1'-0"

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PROJECT TITLE

THE CRESCENDO

DRAWING TITLE

TYPICAL SUITES A,B,C - MECHANICAL

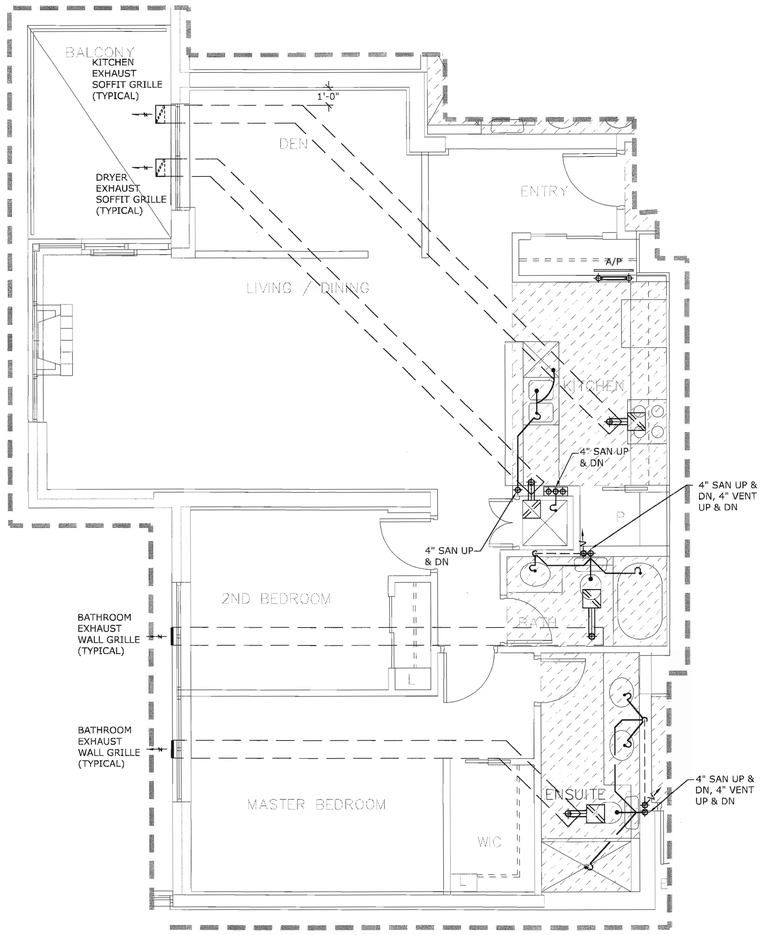
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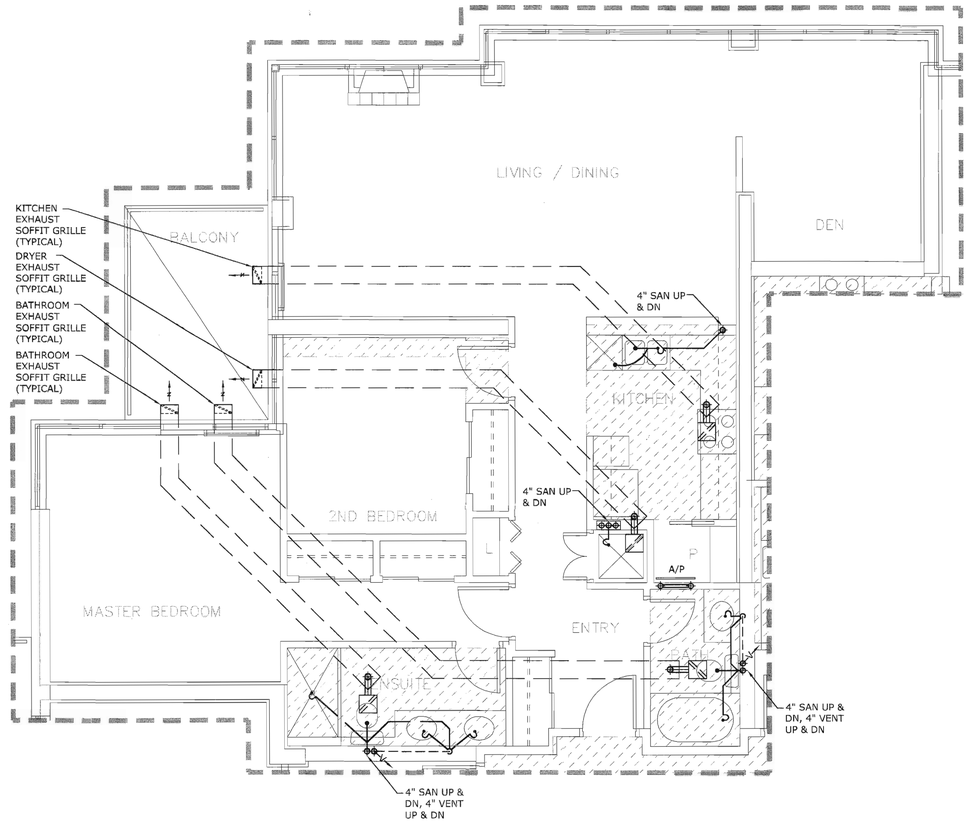
M-22

OF 36



TYPE D

SUITES 104 TO 1404



TYPE E

SUITES 105 TO 1405

GENERAL NOTES:

1. SEE FLOOR PLANS FOR PLUMBING RISER DESIGNATIONS & OFFSETS OF RISERS.
2. A/P = ACCESS PANEL
3. ALL WATER CLOSETS TO BE (WC-1),
   ALL LAVATORIES TO BE (L-1),
   ALL BATHTUBS TO BE (BT-1),
   ALL KITCHEN SINKS TO BE (SK-1)
   ALL CLOTHES WASHER SUPPLY/DRAIN BOX TO BE (CW-1),
   ALL SHOWERS TO BE (SH-1),
   ALL KITCHEN EXHAUST FANS TO BE [F-55]
   ALL DRYER BOOSTER FANS TO BE [F-56],
   ALL PRIMARY EXHAUST FANS TO BE [F-57],
   ALL ENSUITE EXHAUST FANS TO BE [F-58],
   UNLESS NOTED OTHERWISE.
4. ALL INSLAB DUCT 12" x 1 3/4" (TYPICAL).
   ALL SOFFIT GRILLE 12" x 4" (TYPICAL).
   ALL WALL GRILLE 12" x 4" (TYPICAL).

0 1 2 4 8

SCALE: ¼" = 1'-0"

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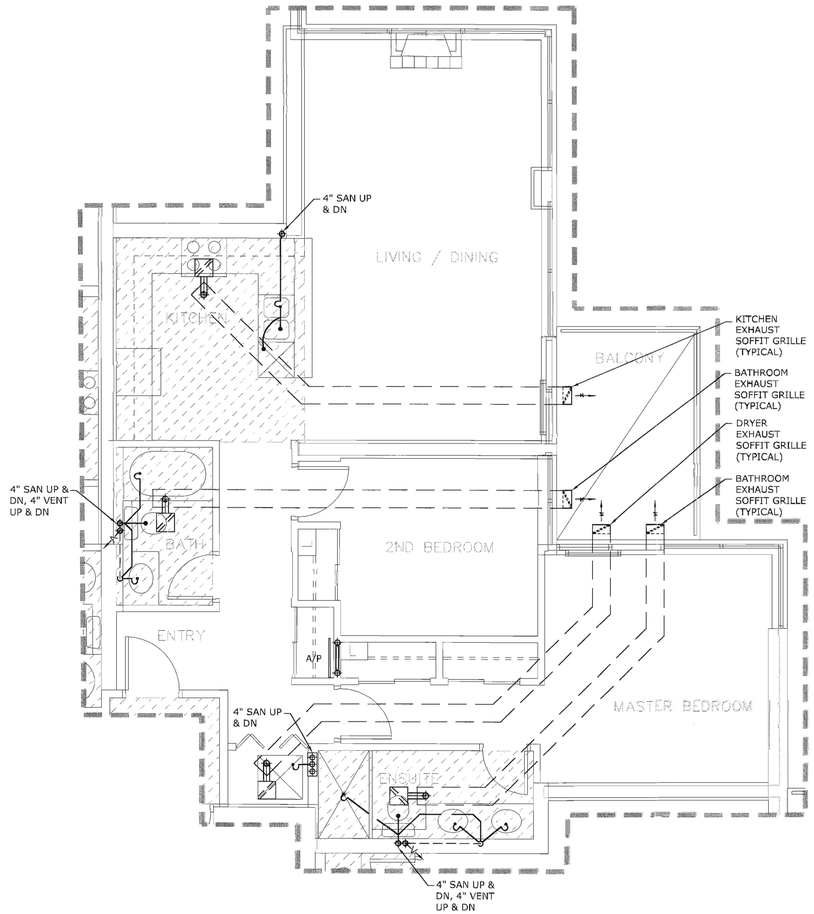
PROJECT TITLE
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DRAWING TITLE
TYPICAL SUITES D, E – MECHANICAL

PROJECT NO.	FILE / DATE
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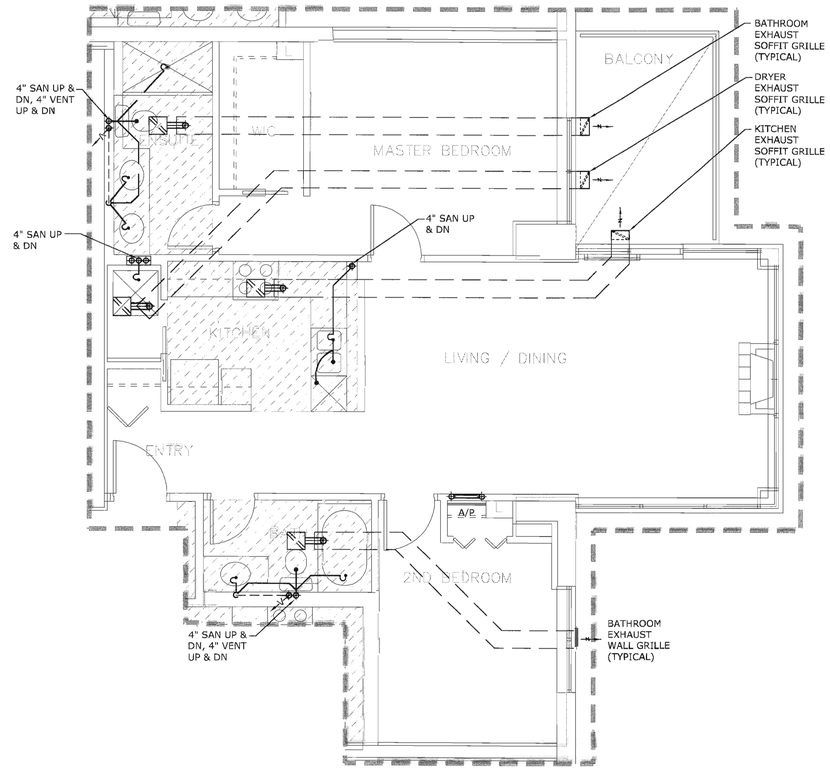
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M-23
OF 36



TYPE F

SUITES 106 TO 1406



TYPE G

SUITES 1501 TO 2001

GENERAL NOTES:

1. SEE FLOOR PLANS FOR PLUMBING RISER DESIGNATIONS & OFFSETS OF RISERS.
2. A/P = ACCESS PANEL
3. ALL WATER CLOSETS TO BE (WC-1),
   ALL LAVATORIES TO BE (L-1),
   ALL BATHTUBS TO BE (BT-1),
   ALL KITCHEN SINKS TO BE (SK-1)
   ALL CLOTHES WASHER SUPPLY/DRAIN BOX TO BE (CW-1),
   ALL SHOWERS TO BE (SH-1),
   ALL KITCHEN EXHAUST FANS TO BE [F-55]
   ALL DRYER BOOSTER FANS TO BE [F-56]
   ALL PRIMARY EXHAUST FANS TO BE [F-57],
   ALL ENSUITE EXHAUST FANS TO BE [F-58],
   UNLESS NOTED OTHERWISE.
4. ALL INSLAB DUCT 12" x 1 3/4" (TYPICAL).
   ALL SOFFIT GRILLE 12" x 4" (TYPICAL).
   ALL WALL GRILLE 12" x 4" (TYPICAL).

SCALE: 1/4" = 1'-0"

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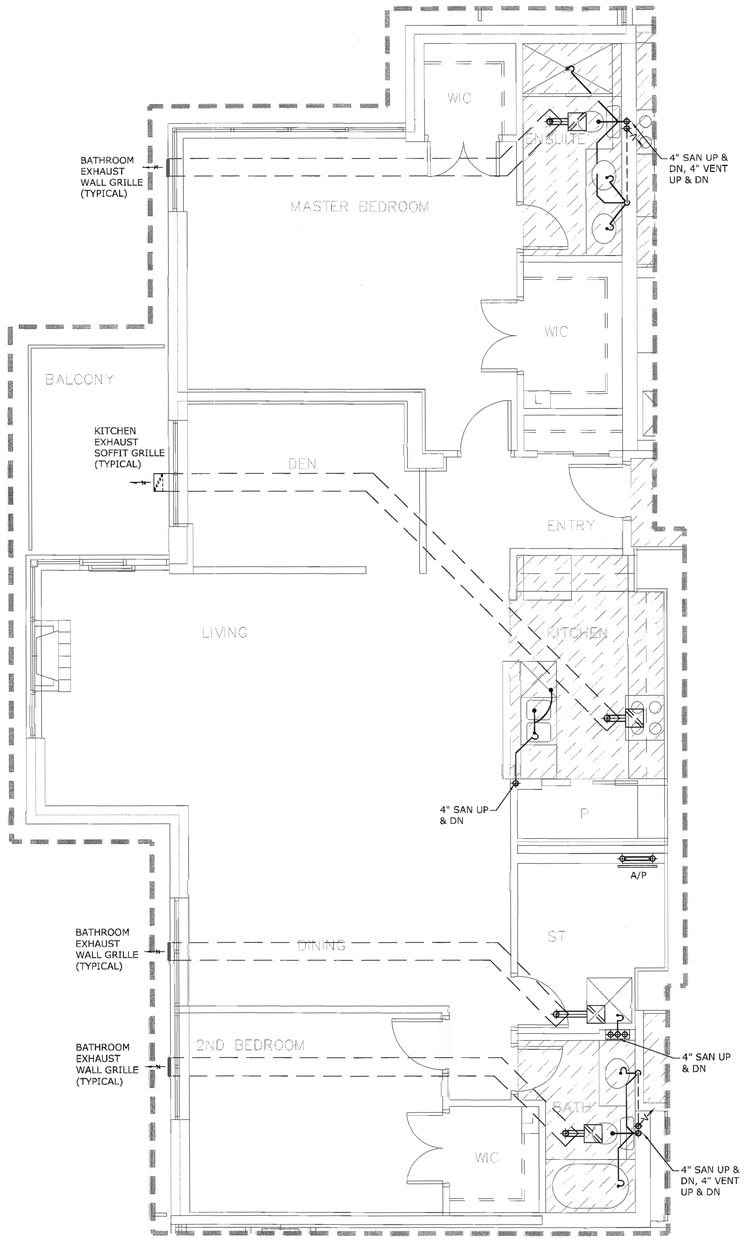
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TYPICAL SUITES F, G – MECHANICAL

PROJECT NO.	FILE / DATE
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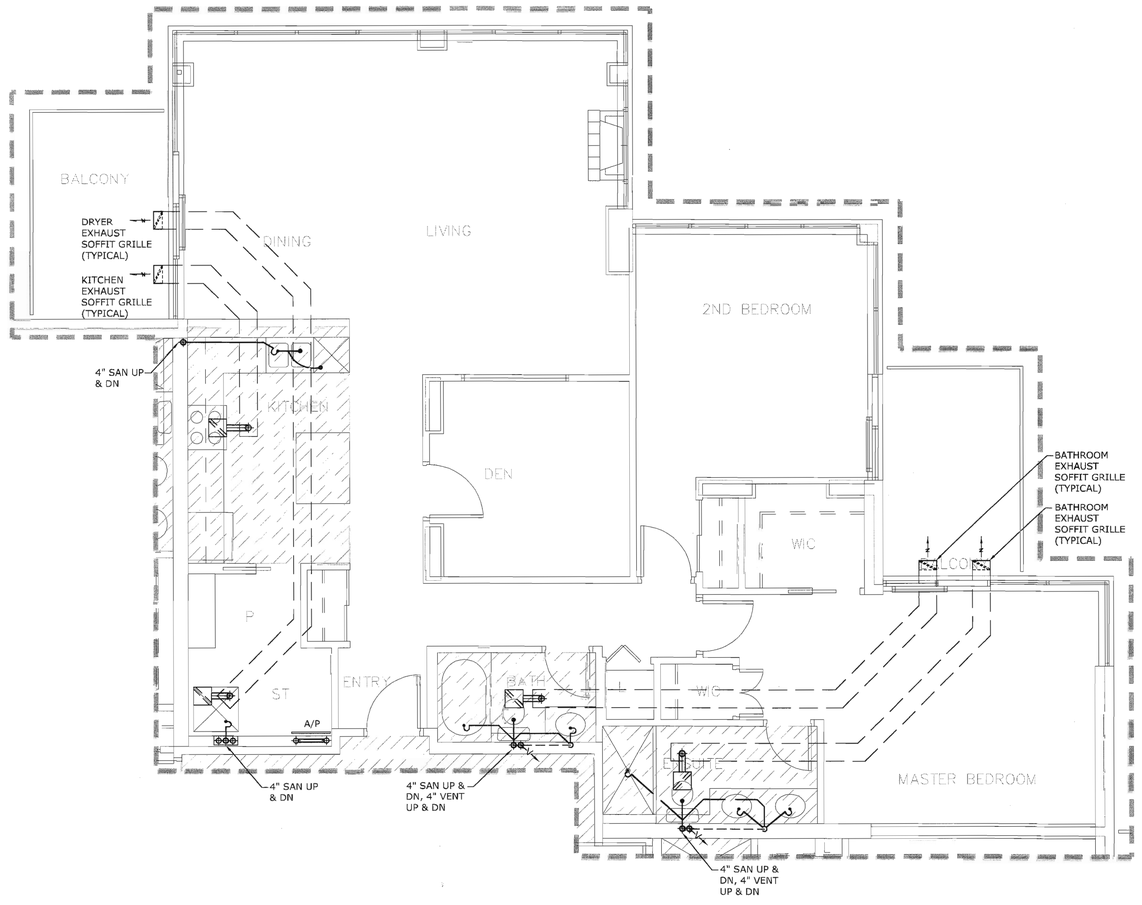
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TYPE H

SUITES 1504 TO 2004
SUITES 2103 TO 2603



TYPE L

SUITES 1505 TO 2005
SUITES 2104 TO 2604

GENERAL NOTES:

1. SEE FLOOR PLANS FOR PLUMBING RISER DESIGNATIONS & OFFSETS OF RISERS.
2. A/P = ACCESS PANEL
3. ALL WATER CLOSETS TO BE (WC-1),
   ALL LAVATORIES TO BE (L-1),
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   ALL KITCHEN SINKS TO BE (SK-1),
   ALL CLOTHES WASHER SUPPLY/DRAIN BOX TO BE (CW-1),
   ALL SHOWERS TO BE (SH-1),
   ALL KITCHEN EXHAUST FANS TO BE [F-55]
   ALL DRYER BOOSTER FANS TO BE [F-56]
   ALL PRIMARY EXHAUST FANS TO BE [F-57],
   ALL ENSUITE EXHAUST FANS TO BE [F-58],
   UNLESS NOTED OTHERWISE.
4. ALL INSLAB DUCT 12" x 1 3/4" (TYPICAL).
   ALL SOFFIT GRILLE 12" x 4" (TYPICAL).
   ALL WALL GRILLE 12" x 4" (TYPICAL).

0 1 2 4 8
SCALE: ¼" = 1'-0"

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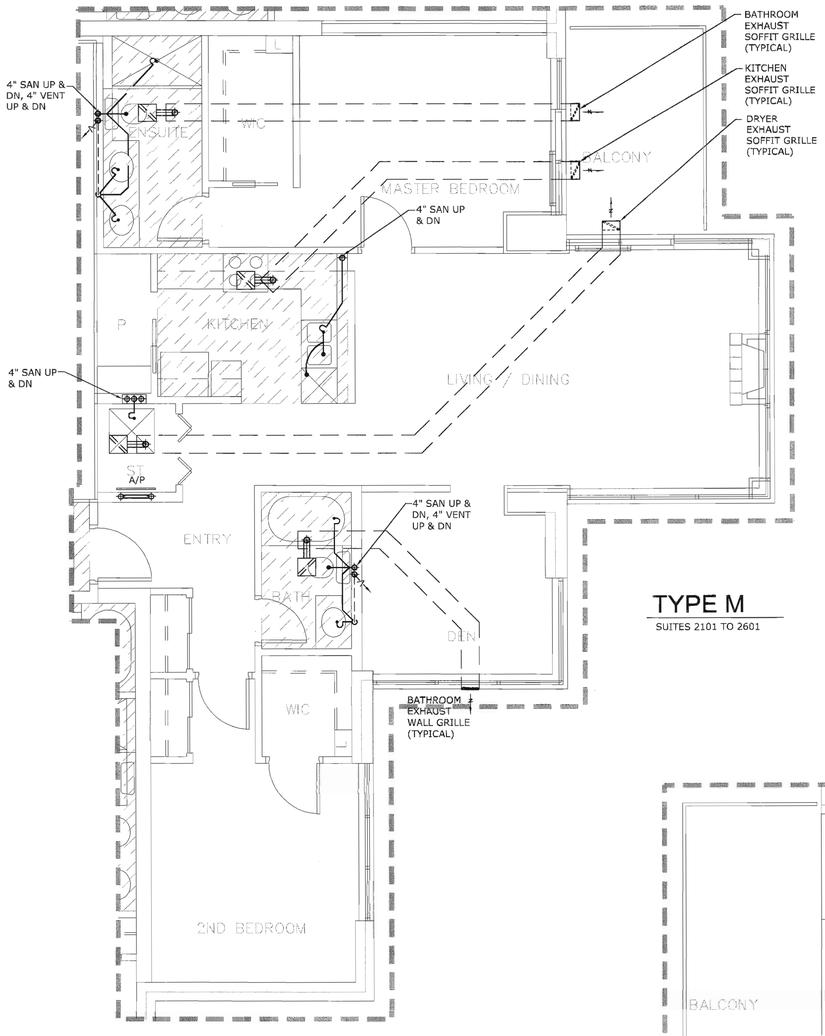
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TYPICAL SUITES H, L – MECHANICAL

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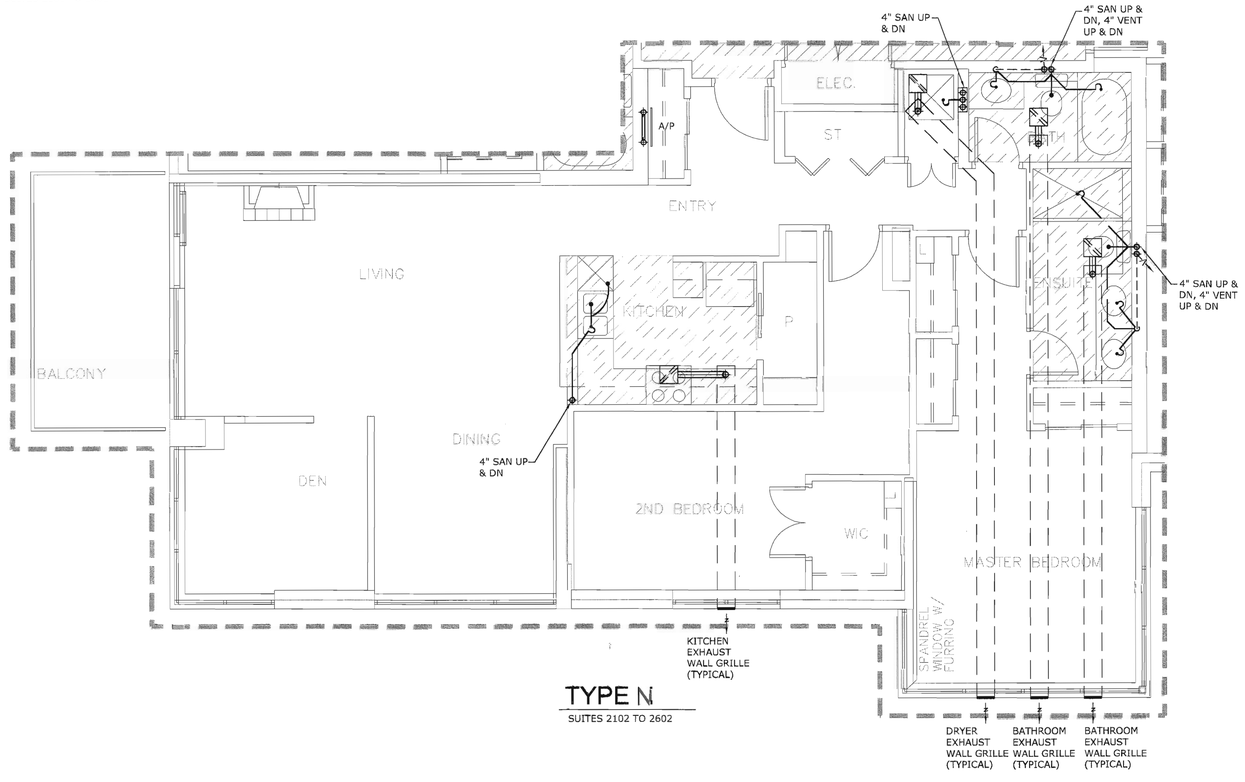


TYPE M

SUITES 2101 TO 2601

GENERAL NOTES:

1. SEE FLOOR PLANS FOR PLUMBING RISER DESIGNATIONS & OFFSETS OF RISERS.
2. A/P = ACCESS PANEL
3. ALL WATER CLOSETS TO BE (WC-1),
   ALL LAVATORIES TO BE (L-1)
   ALL BATHTUBS TO BE (BT-1),
   ALL KITCHEN SINKS TO BE (SK-1)
   ALL CLOTHES WASHER SUPPLY/DRAIN BOX TO BE (CW-1),
   ALL SHOWERS TO BE (SH-1),
   ALL KITCHEN EXHAUST FANS TO BE F-55
   ALL DRYER BOOSTER FANS TO BE F-56
   ALL PRIMARY EXHAUST FANS TO BE F-57,
   ALL ENSUITE EXHAUST FANS TO BE F-58,
   UNLESS NOTED OTHERWISE.
4. ALL INSLAB DUCT 12" x 1 3/4" (TYPICAL).
   ALL SOFFIT GRILLE 12" x 4" (TYPICAL).
   ALL WALL GRILLE 12" x 4" (TYPICAL).



TYPE N

SUITES 2102 TO 2602

SCALE: ¼" = 1'-0"

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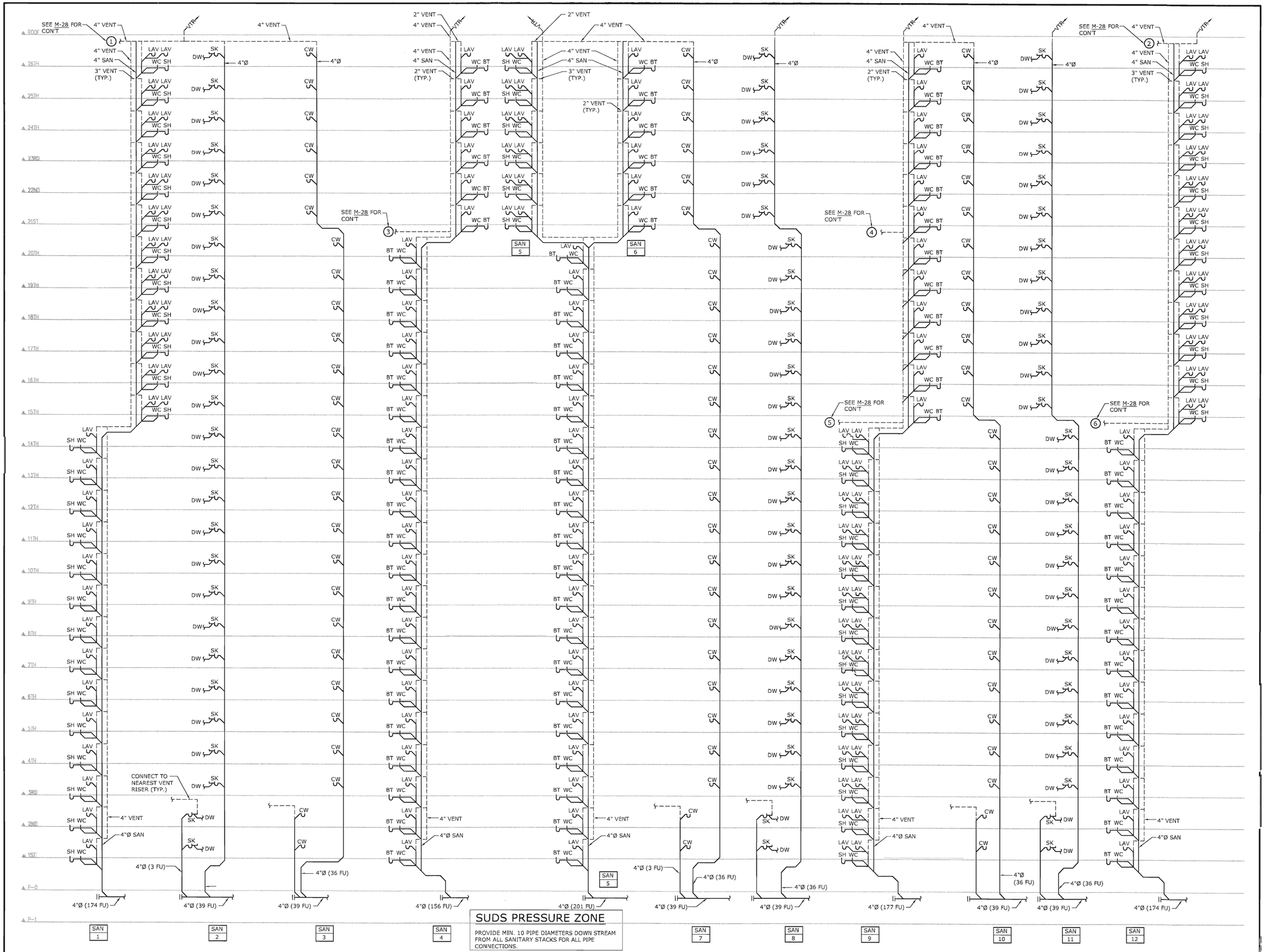
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THE CRESCENDO

DRAWING TITLE
TYPICAL SUITES M, N – MECHANICAL

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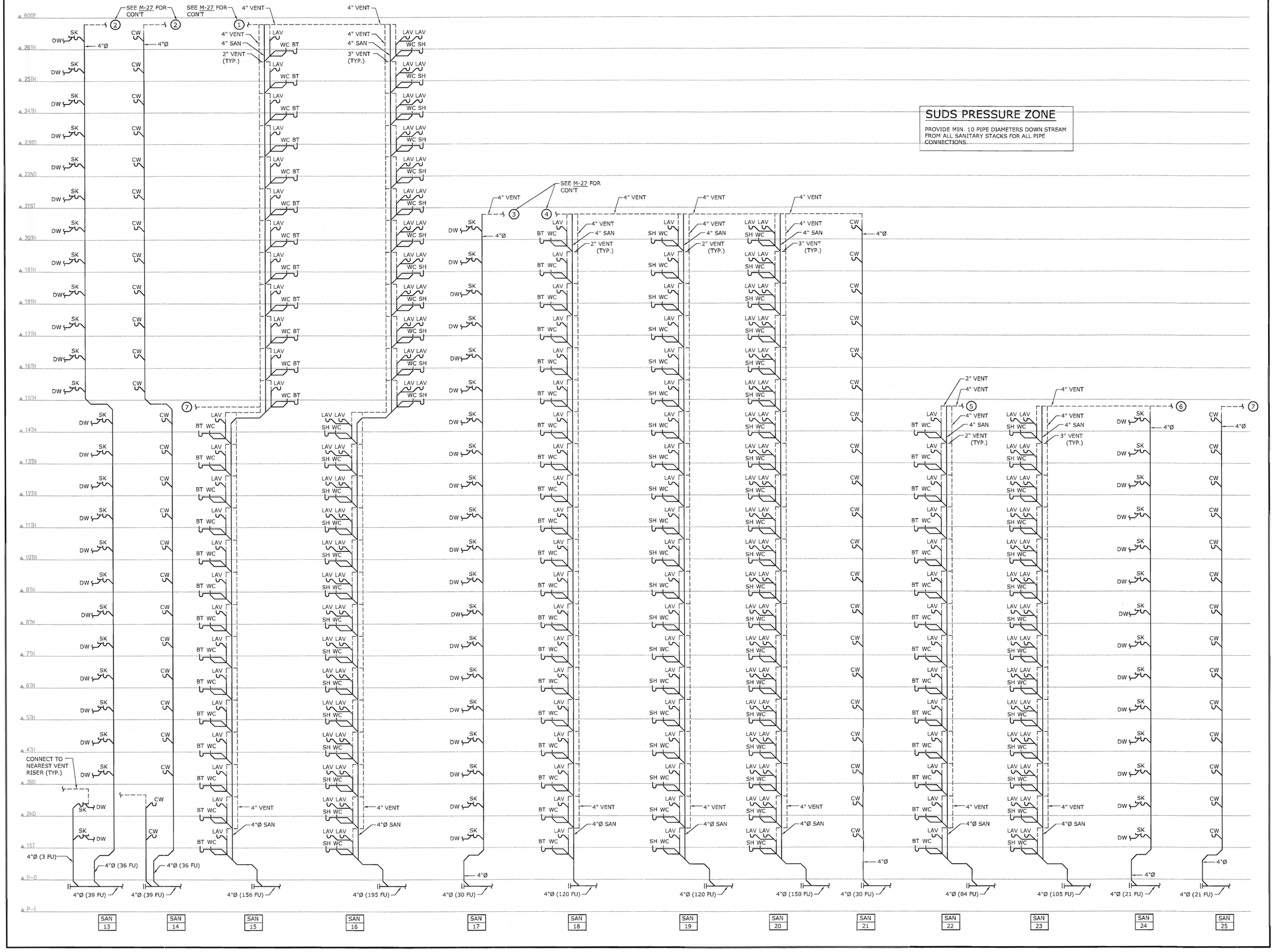
PROJECT TITLE
THE CRESCENDO

DRAWING TITLE
SANITARY RISER - SCHEMATIC (1)

PROJECT NO.	FILE / DATE
2418	
DRAWN: GW/JZ/LW	CHECKED: NK
SCALE: AS NOTED	

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DRAWING NO.
M-27
OF 36



SUDS PRESSURE ZONE

PROVIDE MIN. 10 PIPE DIAMETERS DOWN STREAM FROM ALL SANITARY STACKS FOR ALL PIPE CONNECTIONS.

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Project Reference No: 05-3073-000

ISSUE	DATE
REVISE PLUMBING FIXTURE SCHEDULE	FEB. 22, 2006
ISSUED FOR CONSTRUCTION	FEB. 15, 2006
REISSUED FOR BUILDING PERMIT	FEB. 03, 2006
ISSUED FOR BUILDING PERMIT	NOV. 21, 2005
ISSUED FOR PRICING & EXCAVATION PERMIT	OCT. 31, 2005
ISSUED FOR 50% REVIEW	SEPT. 19, 2005

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PROJECT TITLE

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DRAWING TITLE

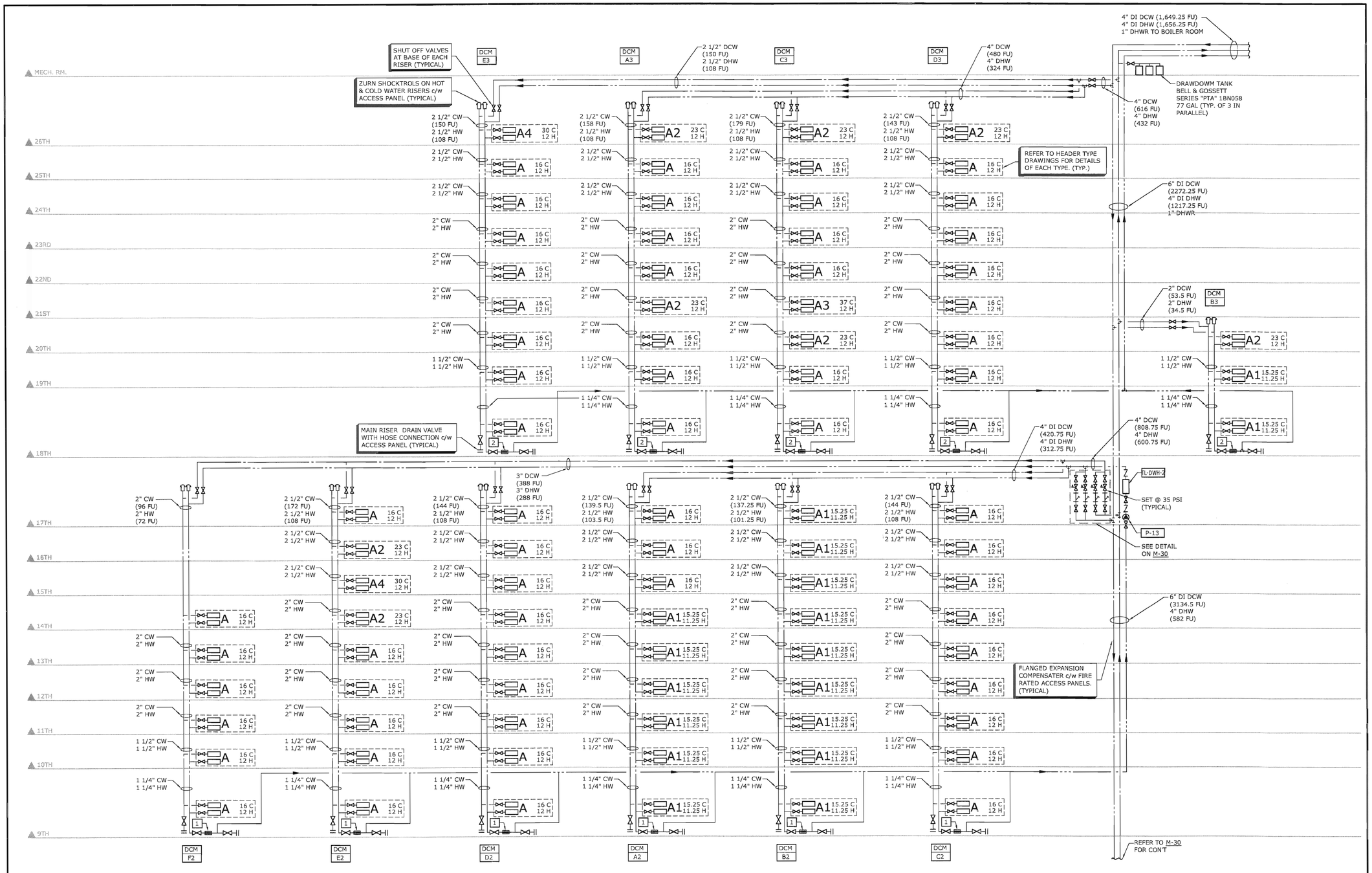
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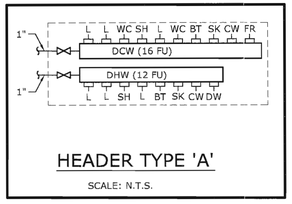
PROJECT NO.	FILE / DATE
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DRAWN: GW/JZ/LW	CHECKED: NK
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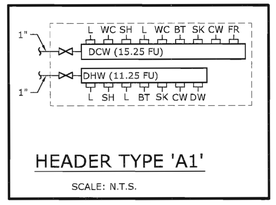
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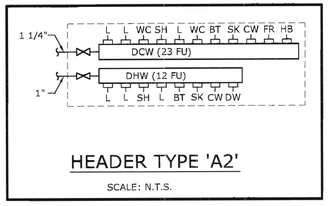
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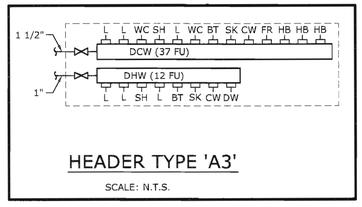
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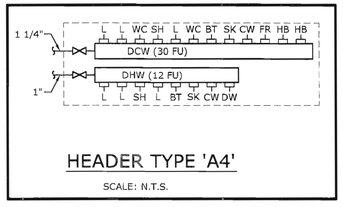
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SCALE: N.T.S.



HEADER TYPE 'A3'

SCALE: N.T.S.



HEADER TYPE 'A4'

SCALE: N.T.S.

GENERAL NOTES:

1. ALL PIPING IS COPPER UNLESS NOTED WITH "DI" WHICH REFERS TO DUCTILE IRON.

KEYED NOTES:

1 GRISWOLD STAINLESS STEEL AUTOFLOW VALVE TO BE SET TO 0.5 GPM

2 GRISWOLD STAINLESS STEEL AUTOFLOW VALVE TO BE SET TO 2.0 GPM

0 1 2 4 8 16

SCALE: 1/8" = 1'-0"

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Project Reference No: 05-3073-000

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PROJECT TITLE

THE CRESCENDO

DRAWING TITLE

DOMESTIC WATER RISERS – SCHEMATIC–1

PROJECT NO.	FILE / DATE
2418	
DRAWN: GW/JZ/LW — CHECKED: NK	SCALE: AS NOTED

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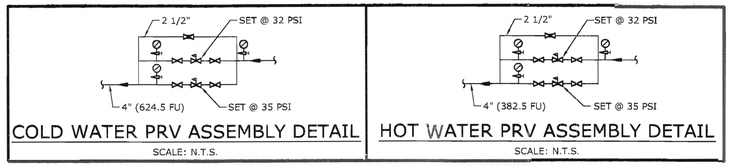
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M–29

OF 36

DCW & DHW HEADER TYPE

SUITE TYPE	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13	L14	L15	L16	L17	L18	L19	L20	L21	L22	L23	L24	L25	L26
A	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1												
B	A2	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A2						
C	A2	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A2						
D	A	A	A	A	A	A	A	A	A	A	A	A	A	A												
E	A	A	A	A	A	A	A	A	A	A	A	A	A	A2												
F	A	A	A	A	A	A	A	A	A	A	A	A	A	A												
G															A	A	A	A	A	A						
H															A	A	A	A	A	A	A	A	A	A	A	A2
L															A4	A2	A	A	A	A	A	A	A	A	A	A4
M																					A2	A	A	A	A	A2
N																					A3	A	A	A	A	A2

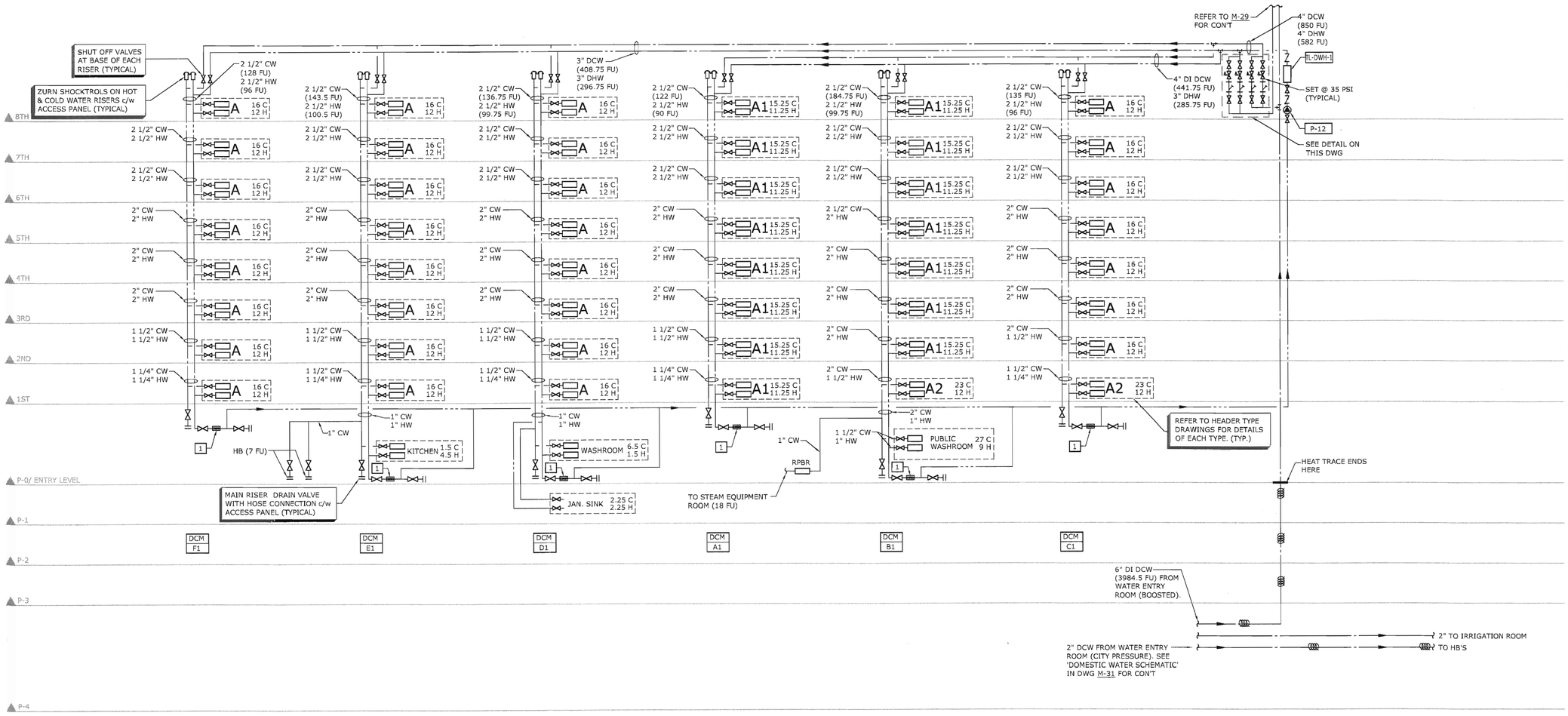


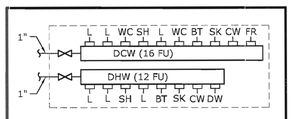
COLD WATER PRV ASSEMBLY DETAIL

SCALE: N.T.S.

HOT WATER PRV ASSEMBLY DETAIL

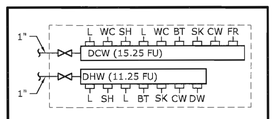
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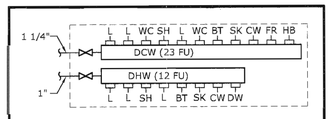
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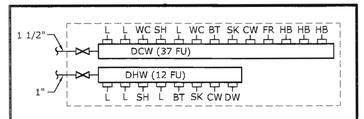
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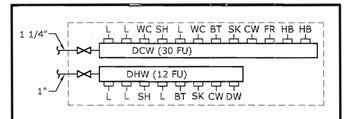
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HEADER TYPE 'A3'

SCALE: N.T.S.



HEADER TYPE 'A4'

SCALE: N.T.S.

GENERAL NOTES:

1. ALL PIPING IS COPPER UNLESS NOTED WITH "DI" WHICH REFERS TO DUCTILE IRON.

KEYED NOTES:

1. GRISWOLD STAINLESS STEEL AUTOFLOW VALVE TO BE SET TO 0.5 GPM
2. GRISWOLD STAINLESS STEEL AUTOFLOW VALVE TO BE SET TO 2.0 GPM

SCALE: 1/8" = 1'-0"

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PROJECT TITLE

THE CRESCENDO

DRAWING TITLE

DOMESTIC WATER RISERS – SCHEMATIC–2

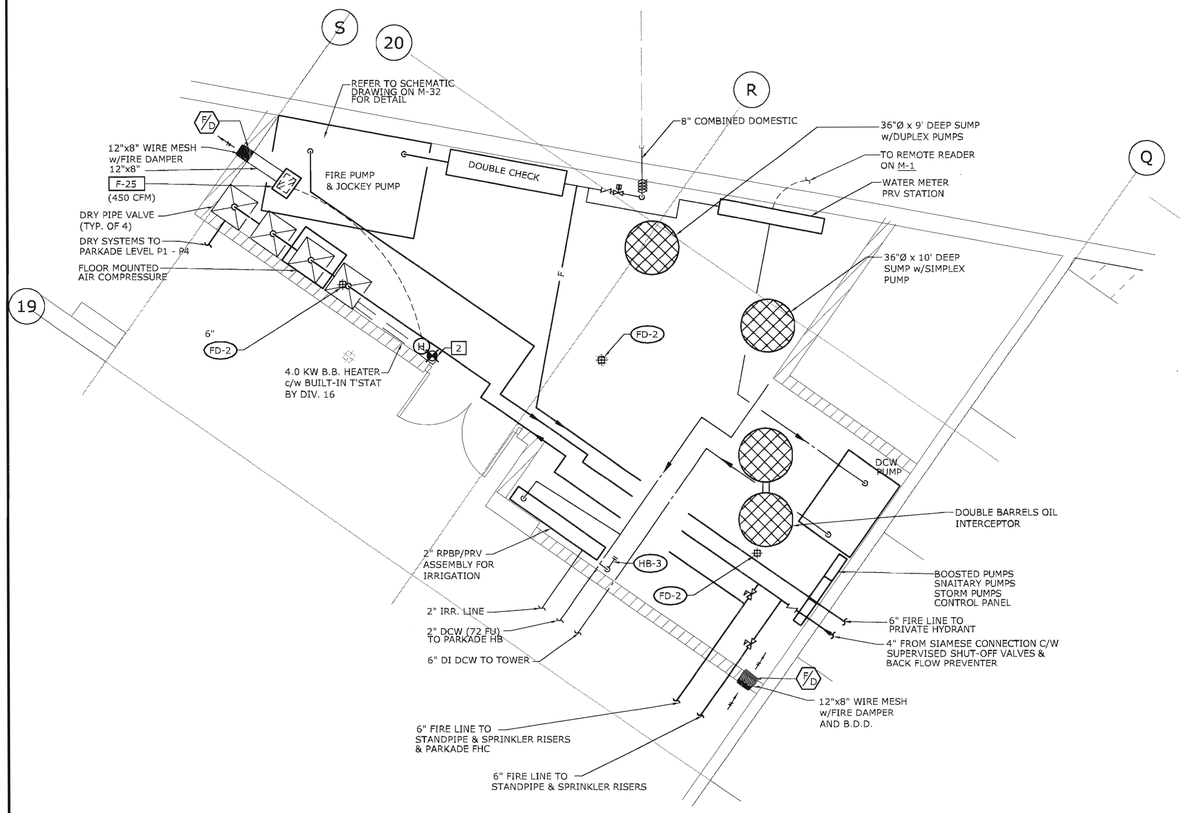
PROJECT NO.	FILE / DATE
2418	
DRAWN: GW/JZ/LW	CHECKED: NK
SCALE: AS NOTED	

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DRAWING NO.

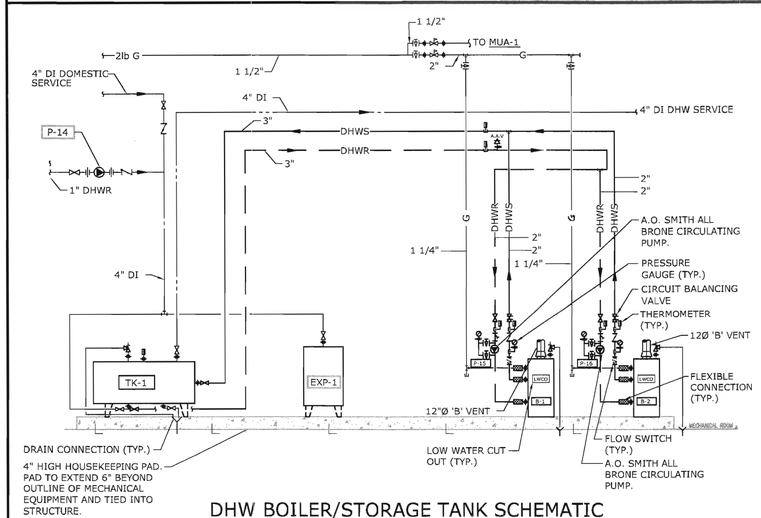
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OF 36



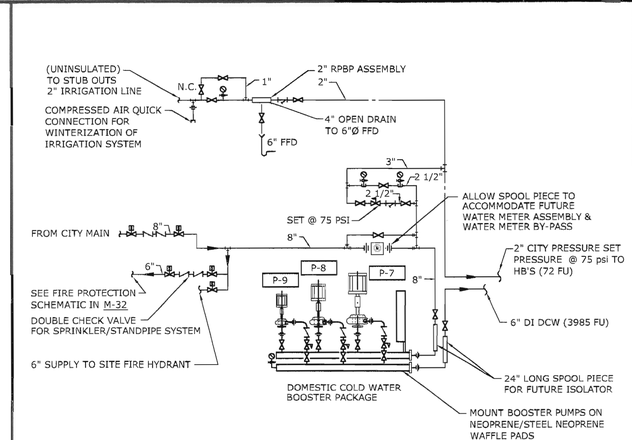
WATER ENTRY ROOM (P4 LEVEL)

SCALE: 1/4" = 1'-0"



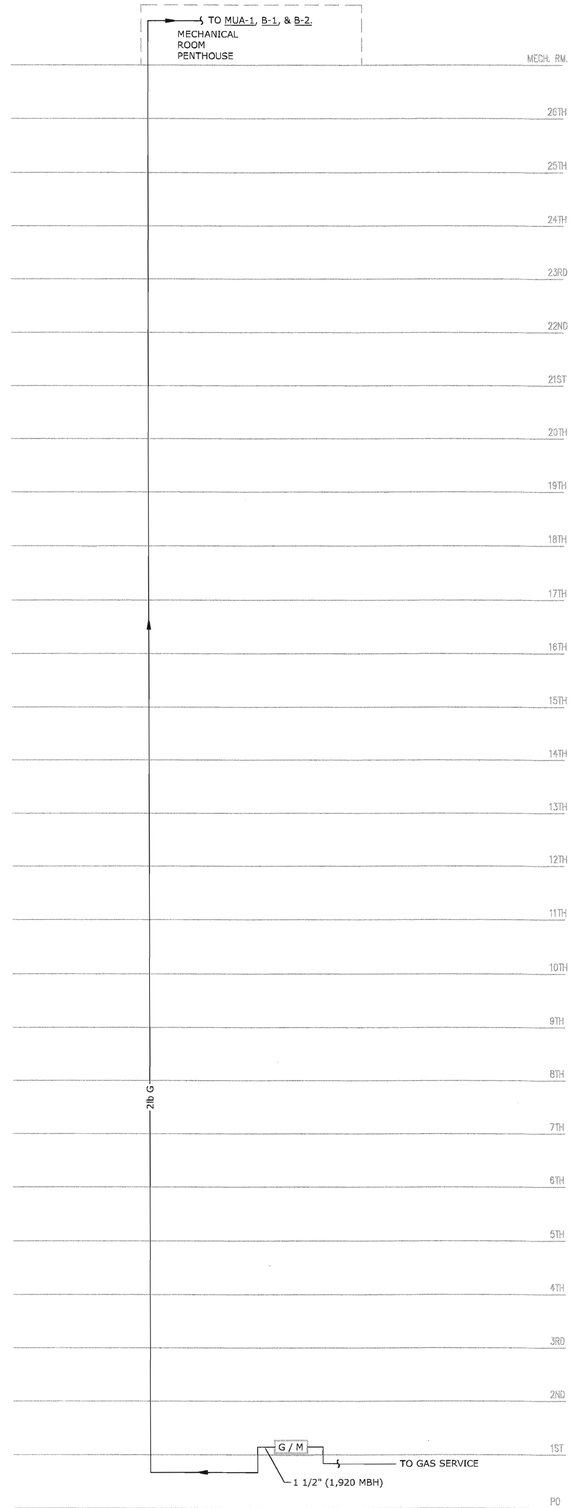
DHW BOILER/STORAGE TANK SCHEMATIC

N.T.S.



DOMESTIC WATER SCHEMATIC

SCALE : N.T.S.



GAS RISER DIAGRAM

SCALE: NTS

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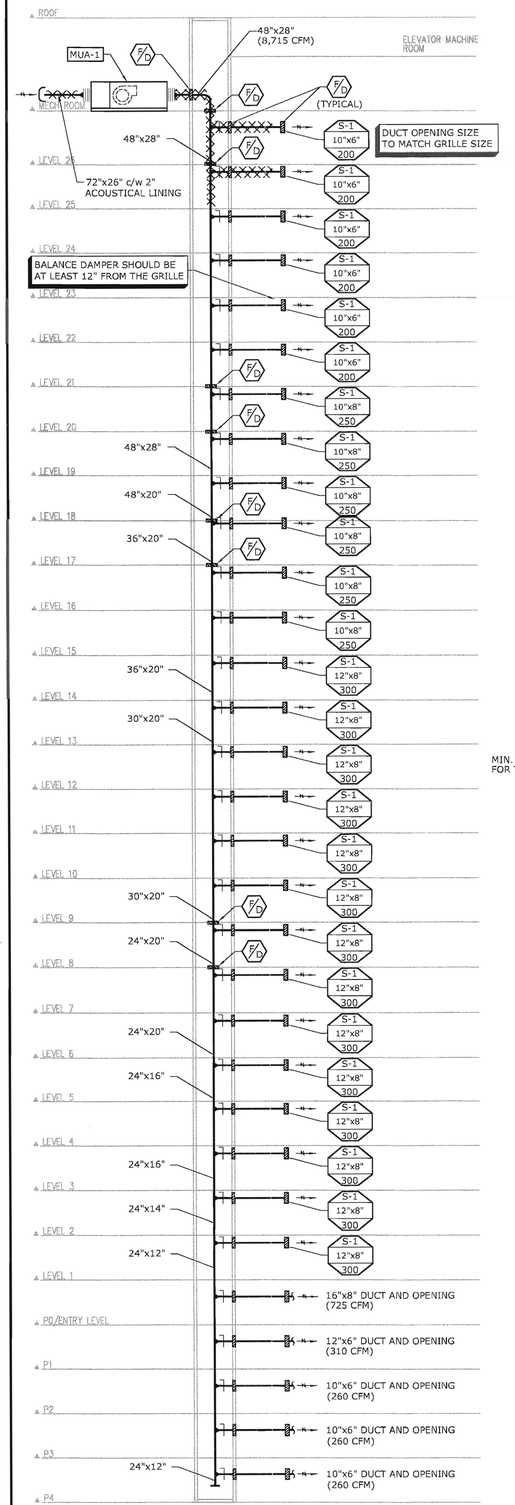
PROJECT TITLE
THE CRESCENDO

DRAWING TITLE
WATER ENTRY ROOM PLAN SCHEMATIC & GAS RISER DIAGRAM

PROJECT NO.		FILE / DATE
2418		
DRAWN	CHECKED	SCALE
GW/JZ/LW	NK	AS NOTED

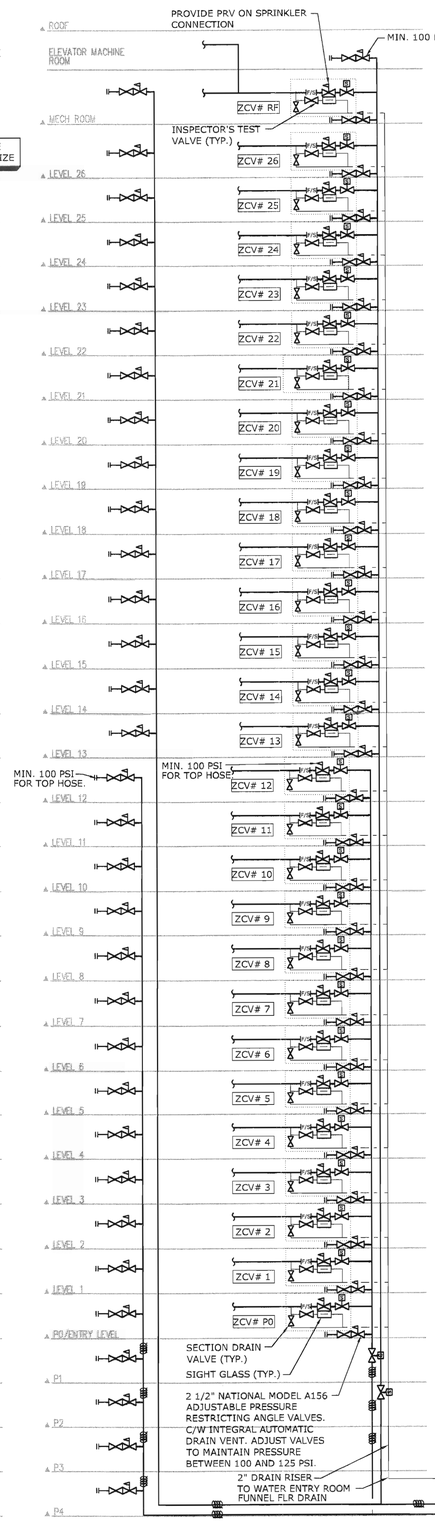
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M-31
OF 36



CORRIDOR PRESSURIZATION SHAFT DIAGRAM

SCALE : N.T.S.

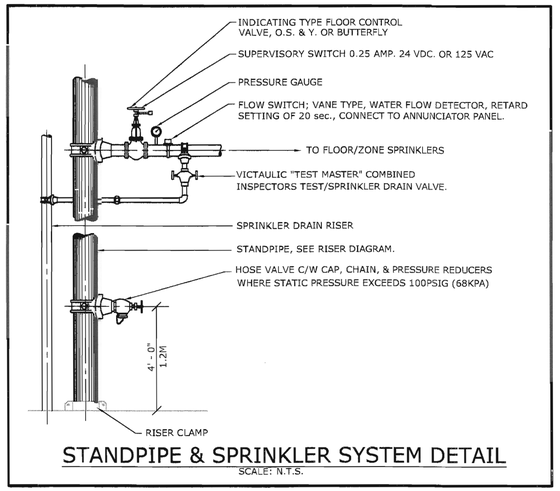


STANDPIPE AND SPRINKLER RISER DIAGRAM IN STAIRWAY

SCALE : N.T.S.

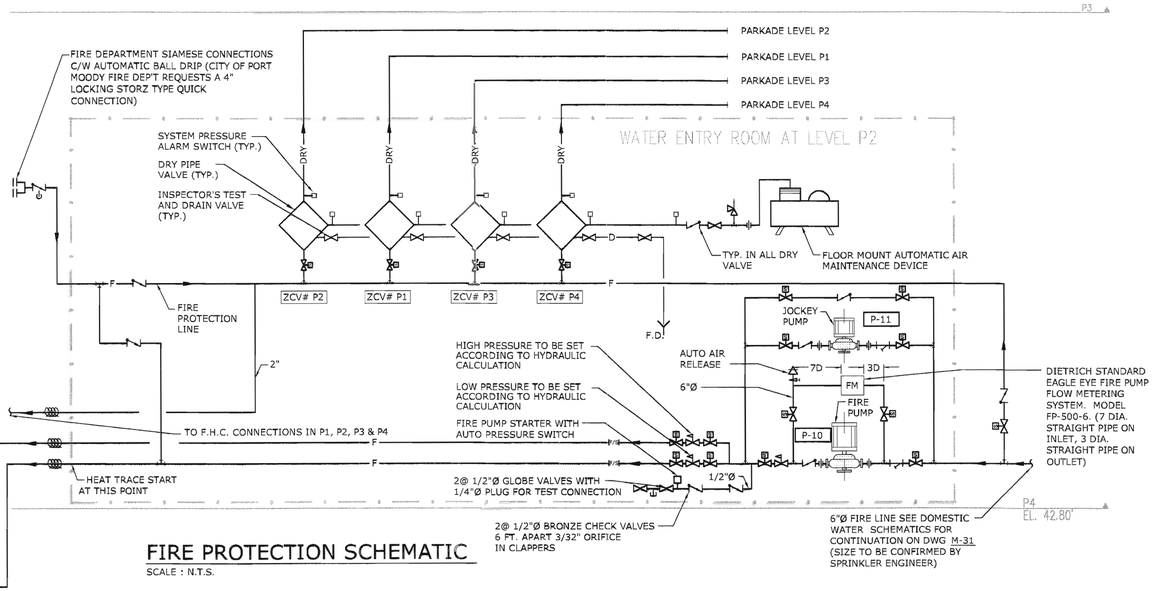
SPRINKLER ZONE SCHEDULE

ZONE GROUPING	ZONE CONTROL VALVE No.	AREA SERVED	P/S	Y/S	SUP	REMARKS
TOWER	ZCV # P0	ENTRY LEVEL		•	•	CONNECTION TO F/A BY DIV. 16
	ZCV # 1	TOWER - LEVEL 1		•	•	- DITTO -
	ZCV # 2	TOWER - LEVEL 2		•	•	- DITTO -
	ZCV # 3	TOWER - LEVEL 3		•	•	- DITTO -
	ZCV # 4	TOWER - LEVEL 4		•	•	- DITTO -
	ZCV # 5	TOWER - LEVEL 5		•	•	- DITTO -
	ZCV # 6	TOWER - LEVEL 6		•	•	- DITTO -
	ZCV # 7	TOWER - LEVEL 7		•	•	- DITTO -
	ZCV # 8	TOWER - LEVEL 8		•	•	- DITTO -
	ZCV # 9	TOWER - LEVEL 9		•	•	- DITTO -
	ZCV # 10	TOWER - LEVEL 10		•	•	- DITTO -
	ZCV # 11	TOWER - LEVEL 11		•	•	- DITTO -
	ZCV # 12	TOWER - LEVEL 12		•	•	- DITTO -
	ZCV # 13	TOWER - LEVEL 13		•	•	- DITTO -
	ZCV # 14	TOWER - LEVEL 14		•	•	- DITTO -
	ZCV # 15	TOWER - LEVEL 15		•	•	- DITTO -
	ZCV # 16	TOWER - LEVEL 16		•	•	- DITTO -
	ZCV # 17	TOWER - LEVEL 17		•	•	- DITTO -
	ZCV # 18	TOWER - LEVEL 18		•	•	- DITTO -
	ZCV # 19	TOWER - LEVEL 19		•	•	- DITTO -
	ZCV # 20	TOWER - LEVEL 20		•	•	- DITTO -
	ZCV # 21	TOWER - LEVEL 21		•	•	- DITTO -
	ZCV # 22	TOWER - LEVEL 22		•	•	- DITTO -
	ZCV # 23	TOWER - LEVEL 23		•	•	- DITTO -
	ZCV # 24	TOWER - LEVEL 24		•	•	- DITTO -
	ZCV # 25	TOWER - LEVEL 25		•	•	- DITTO -
	ZCV # 26	TOWER - LEVEL 26		•	•	- DITTO -
	ZCV # RF	MECHANICAL ROOM/ ELEV. MACH. ROOM		•	•	- DITTO -
					•	- DITTO -
					•	- DITTO -
PARKADE DRY SYSTEMS	ZCV # P1	PARKADE LEVEL P1	•		•	- DITTO -
	ZCV # P2	PARKADE LEVEL P2	•		•	- DITTO -
	ZCV # P3	PARKADE LEVEL P3	•		•	- DITTO -
	ZCV # P4	PARKADE LEVEL P4			•	- DITTO -
FIRE PUMP	-	DOUBLE CHECK ASSEMBLY S.O.V. x 2			•	- DITTO -
	-	FIRE PUMP S.O.V. x 2			•	- DITTO -
	-	JOCKEY PUMP S.O.V. x 2			•	- DITTO -
	-	BYPASS S.O.V. x 2			•	- DITTO -
	-	MAIN SYSTEM FLOW	•			- DITTO -
	-	FIRE PUMP TEST LOOP S.O.V. x 2			•	- DITTO -
OTHERS	-	MAIN WATER ENTRY S.O.V.			•	- DITTO -



STANDPIPE & SPRINKLER SYSTEM DETAIL

SCALE: N.T.S.



FIRE PROTECTION SCHEMATIC

SCALE : N.T.S.

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PROJECT TITLE

THE CRESCENDO

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SPRINKLER RISER DIAGRAM & FIRE PROTECTION SCHEMATIC

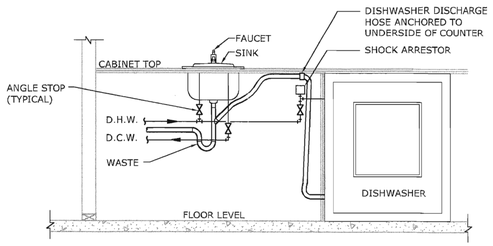
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GW/JZ/LW	NK	AS NOTED

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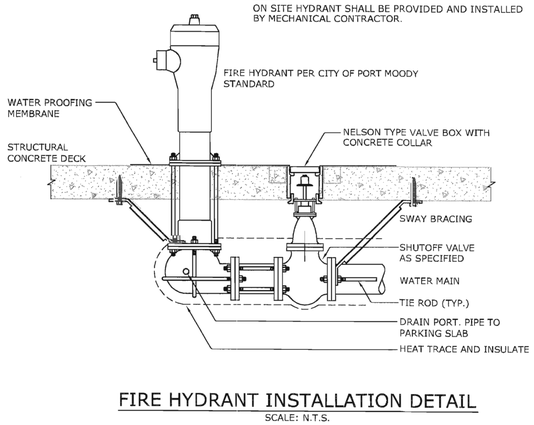
M-32

OF 36



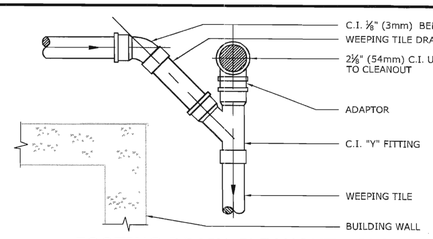
DISHWASHER CONNECTION DETAIL

SCALE: N.T.S.



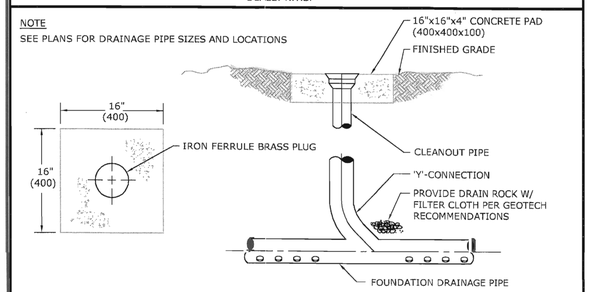
FIRE HYDRANT INSTALLATION DETAIL

SCALE: N.T.S.



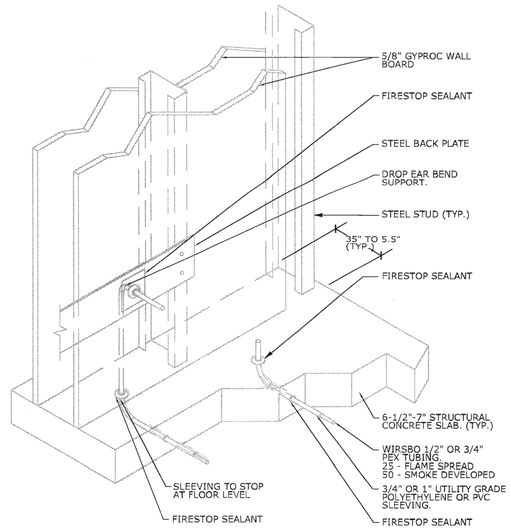
FOOTING DRAIN CLEANOUT - PLAN

SCALE: N.T.S.



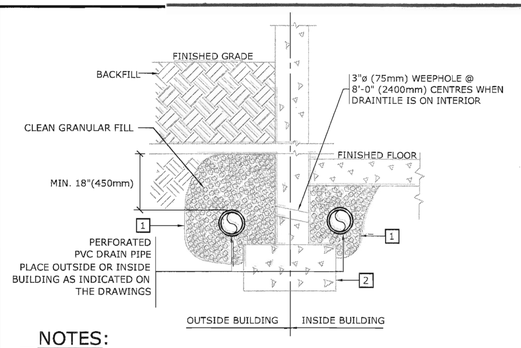
WEEPING TILE CLEANOUT DETAIL

SCALE: N.T.S.



FIXTURE PENETRATION DETAIL

SCALE: N.T.S.

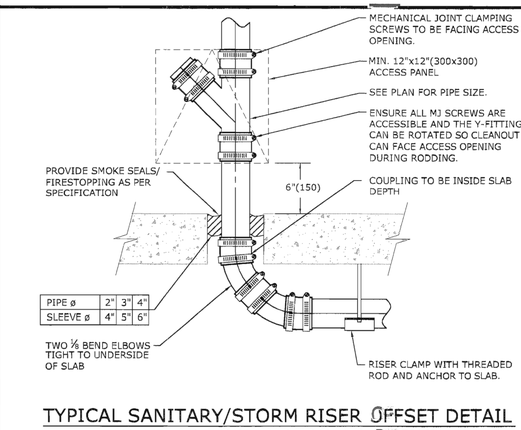


NOTES:

1. FILTER CLOTH REQUIRED.
2. FOOTING, REFER TO STRUCTURAL DWGS. FOR SIZE AND DEPTH.

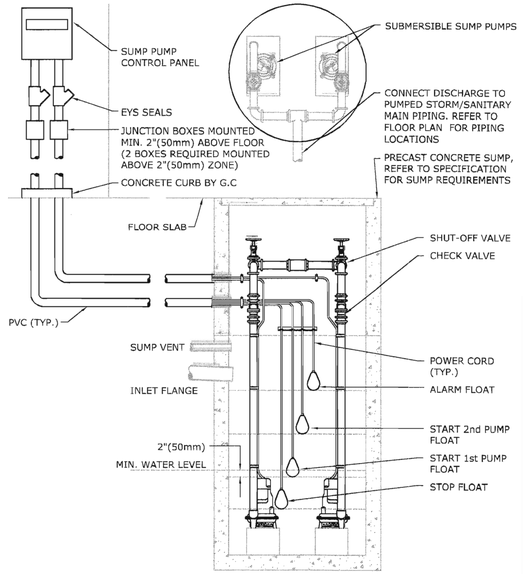
SUB-SOIL FOOTING DRAIN DETAIL

N.T.S.



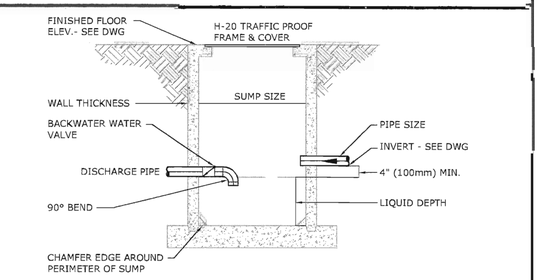
TYPICAL SANITARY/STORM RISER OFFSET DETAIL (SIMILAR FOR UNDERSLAB PIPING)

SCALE : N.T.S.



DUPLEX PUMPS IN CONCRETE SUMP DETAIL

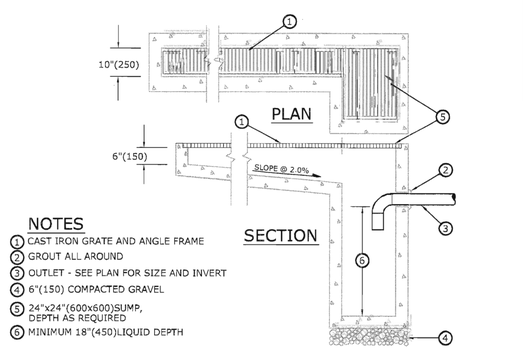
SCALE: N.T.S.



CATCH BASIN	WITH BACKWATER VALVE		w/ 90° BEND ONLY		WALL THICKNESS	LIQUID DEPTH
	RECTANGULAR	ROUND	RECTANGULAR	ROUND		
PIPE SIZE				24" (600)	4" (100mm)	17" (425mm)
4"(100mm)	24"x24" (600x600)	30" (750)	24"x24" (600x600)	30" (750)	4" (100mm)	17" (425mm)
6"(150mm)	30"x24" (750x600)	36" (900)	24"x24" (600x600)	30" (750)	4" (100mm)	18" (450mm)
8"(200mm)	36"x48" (900x1200)	42" (1050)	36"x24" (900x600)	36" (900)	6" (150mm)	24" (600mm)
10"(250mm)	42"x48"(1050x1200)	48" (1200)	36"x48" (900x1200)	42"(1050)	6" (150mm)	30" (750mm)
12"(300mm)	48"x60" (1200x1500)	54" (1350)	42"x48" (1050x1200)	48"(1200)	6" (150mm)	30" (750mm)
15"(375mm)	48"x78"(1200x1950)	72" (1800)	48"x60" (1200x1500)	54"(1350)	6" (150mm)	36" (900mm)

CONCRETE SUMP INTERCEPTOR DETAIL

N.T.S.

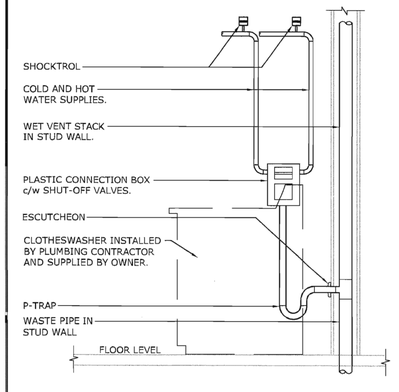


NOTES

1. CAST IRON GRATE AND ANGLE FRAME
2. GROUT ALL AROUND
3. OUTLET - SEE PLAN FOR SIZE AND INVERT
4. 6"(150) COMPACTED GRAVEL
5. 24"x24"(600x600)SUMP, DEPTH AS REQUIRED
6. MINIMUM 18"(450)LIQUID DEPTH

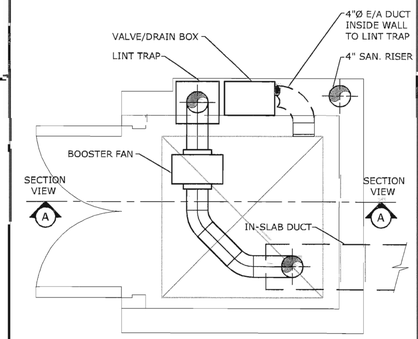
TRENCH DRAIN AND SUMP DETAIL

SCALE: N.T.S.

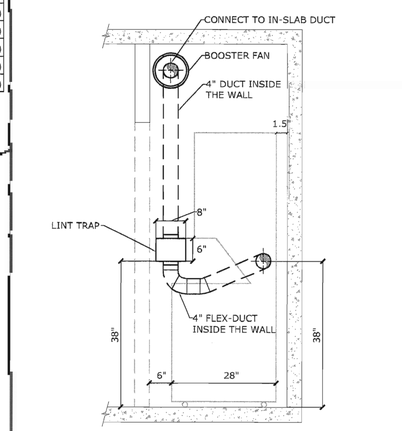


CLOTHES WASHER CONNECTION DETAIL

SCALE: N.T.S.



TYPICAL WASHROOM/DRYER CLOSET PLAN VIEW



SECTION VIEW

TYPICAL BOOSTER FAN & LINT TRAP INSTALLATION DETAIL

SCALE: N.T.S.

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Project Reference No: 05-3073-000

REVISE PLUMBING FIXTURE SCHEDULE	FEB. 22, 2006
ISSUED FOR CONSTRUCTION	FEB. 15, 2006
REISSUED FOR BUILDING PERMIT	FEB. 03, 2006
ISSUED FOR BUILDING PERMIT	NOV. 21, 2005
ISSUED FOR PRICING & EXCAVATION PERMIT	OCT. 31, 2005
ISSUED FOR 50% REVIEW	SEPT. 19, 2005
ISSUE	DATE

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PROJECT TITLE

THE CRESCENDO

DRAWING TITLE

DETAILS – MECHANICAL

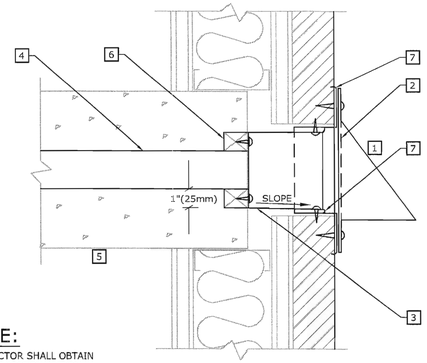
PROJECT NO.	FILE / DATE
2418	
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SCALE: AS NOTED	

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KEYED NOTES:

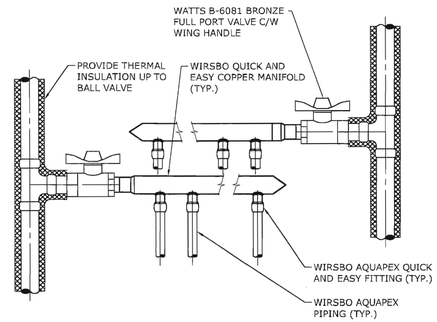
1. ALUMINUM DISCHARGE HOOD
2. STAINLESS STEEL BIRD SCREEN
3. FASCIA EXTENSION BY SHEET METAL WITH 1% SLOPE
4. IN-SLAB DUCT
5. CONCRETE SLAB
6. TREATED WOOD BLOCKS ALL AROUND OPENING ATTACHED SUITABLY TO CONCRETE
7. BUILDING ENVELOPE CONSULTANT SHALL REVIEW & CERTIFY SEALING METHODS AT WALL PENETRATION

NOTE:

CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FROM BUILDING ENVELOPE CONSULTANT FOR WALL PENETRATION DETAILS BEFORE COMMENCING WORK

IN-SLAB DUCT WALL DISCHARGE DETAIL

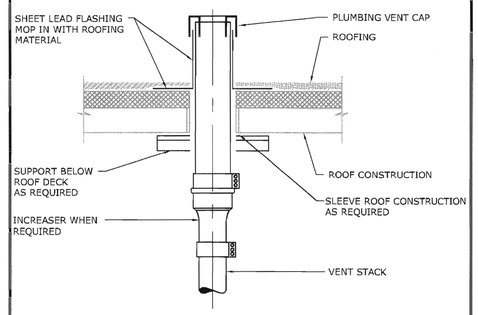
SCALE: N.T.S.



REFER TO SCHEMATIC ON DWG M-29/30 FOR NUMBER OF PORTS AND MANIFOLDS.

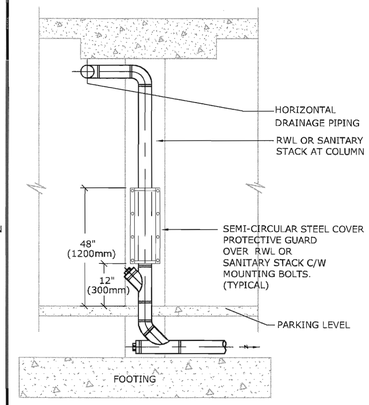
WIRSBO DOMESTIC WATER MANIFOLD DETAIL

SCALE: N.T.S.



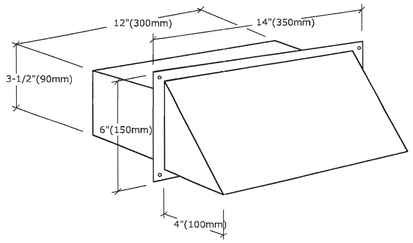
PLUMBING VENT ROOF PENETRATION

SCALE: N.T.S.



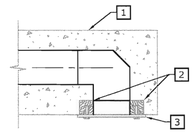
PROTECTIVE PIPE GUARD DETAIL

SCALE: N.T.S.

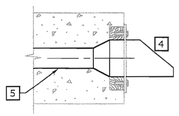


IN-SLAB DUCT WALL GRILLE/HOOD DETAIL

SCALE: N.T.S.



VERTICAL (DOWN) EXHAUST DISCHARGE



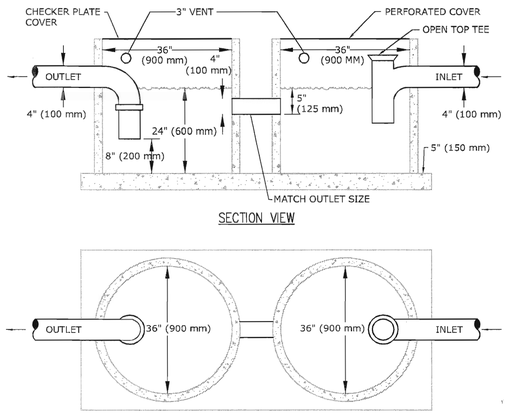
HORIZONTAL EXHAUST DISCHARGE

KEYED NOTES:

1. IN-SLAB DUCT.
2. TREATED PLYWOOD BLOCKS TO ATTACH GRILLE ON ALL SIDES; BLOCKS SUITABLY FIXED TO CONCRETE.
3. SOFFIT GRILLE. (AS SPECIFIED AND FIRE DEPARTMENT REQUIREMENT)
4. HOODED WALL CAP.
5. EXHAUST DUCT IN CEILING SPACE OR IN SLAB.

IN-SLAB DUCTWORK DETAIL

SCALE: N.T.S.



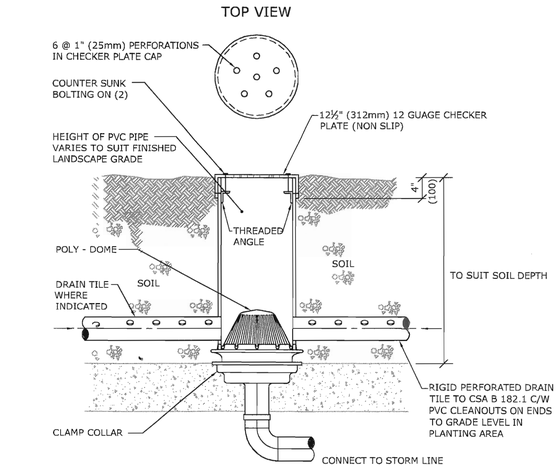
SECTION VIEW

PLAN VIEW

OIL INTERCEPTOR DETAIL

SCALE : N.T.S.

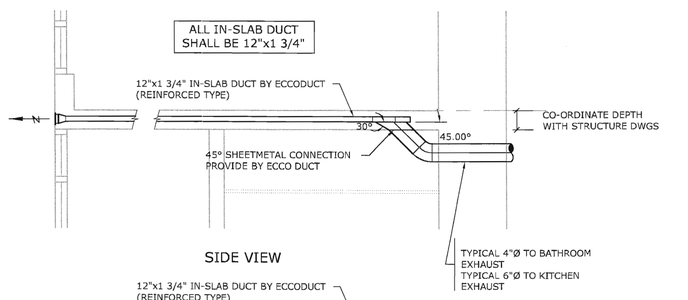
NOTE: INSTALL BARRELS ON SINGLE POURED BASE PIPE BETWEEN BARRELS INSTALLED 5" (125 mm) BELOW INVERT OF OUTLET.



SIDE VIEW

LAWN DRAIN DETAIL

SCALE : N.T.S.



SIDE VIEW

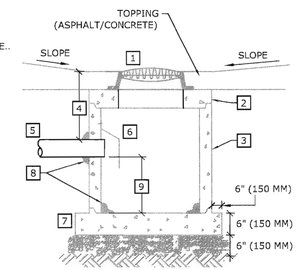
PLAN VIEW

IN-SLAB DUCT DETAIL

SCALE: N.T.S.

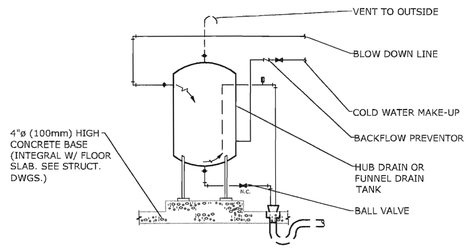
NOTES:

1. CAST-IRON COVER AND FRAME GROUTED IN PLACE..
2. PRECAST CONCRETE LID, H-20 TRAFFIC LOADING.
3. PRECAST CATCH BASIN SECTION, DEPTH TO SUIT.
4. MINIMUM DEPTH OF BURY IS 30" (750 MM) FOR OUTSIDE AND 12" (300 mm) FOR INSIDE, UNLESS OTHERWISE INDICATED
5. OUTLET; SEE DRAWINGS FOR SIZE AND INVERT; PROVIDE FLEXIBLE JOINT 36" (900 MM) FROM CATCH BASIN
6. TRAPPING HOOD, MAINLAND FOUNDRY NO. 1A.
7. 6" (150 MM) CONCRETE BASE ON 6" (150 MM) COMPACTED GRAVEL ON UNDISTURBED SOIL.
8. ALL OPENINGS AND BASE TO BE GROUTED;ALL JOINTS TO BE PRE-WETTED BEFORE MORTAR IS PLACED.
9. MINIMUM 24" (600 MM) LIQUID DEPTH.



CATCH BASIN DETAIL

N.T.S.



BLOW DOWN TANK DETAIL

SCALE: N.T.S.

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PROJECT TITLE

THE CRESCENDO

DRAWING TITLE

DETAILS – MECHANICAL

PROJECT NO.	FILE / DATE
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PLUMBING ROUGH-IN SCHEDULE

TYPE	FIXTURE	SANITARY	CW	HW	VENT	REMARKS
SK	SINK	1½"	½"	½"	1 1/2"	-
L	LAVATORY	1½"	½"	½"	1 1/2"	-
WC	WATER CLOSET	3"	3/4"	-	1½"	FLUSH TANK
BT	BATHTUB (PRIVATE)	2"	½"	½"	1½"	-
SH	SHOWER	2"	3/4"	3/4"	1½"	-
FD	FLOOR DRAIN	3"	-	-	-	C/W TRAP PRIMER
CW	DOMESTIC CLOTHES WASHER	3"	1"	1"	1½"	C/W SHOCK ARRESTORS
DW	DOMESTIC DISH WASHER	-	-	½"	-	C/W SHOCK ARRESTORS
HB	HOSEBIBB	-	3/4"	-	-	C/W SELF DRAIN VACCUUM BREAKER

HOSE BIBB & DRAIN SCHEDULE

TYPE	FIXTURE	DESCRIPTION	ACCESSORIES
AD-1	GENERAL PURPOSE AREA DRAIN	ZURN ZXN-415-A-U-VP-Y, EPOXY COATED CAST IRON BODY WITH POLISHED 5" ROUND NICKEL BRONZE STRAINER HEAD WITH \" THICK HEAVY DUTY GRATE. 3" CONNECTION.	-1" - 3" EXTENSION ADAPTER -SEDIMENT BUCKET -VANDAL PROOF SCREWS
BD-1	GENERAL PURPOSE BALCONY DRAIN	AS PER BALCONY DRAIN DETAIL	
DD-1	GENERAL PURPOSE DECK DRAIN	ZURN Z-154-EBC, EPOXY COATED CAST IRON BODY AND CLAMP COLLAR, SQUARE PROMENADE FRAME & SECURED HEEL PROOF GRATE. 3" CONNECTION.	-1" - 4" EXTENSION ADAPTER -SEDIMENT BUCKET -VANDAL PROOF SCREWS
FD-1	GENERAL PURPOSE FLOOR DRAIN	ZURN ZN-415-B-P-VP, EPOXY COATED CAST IRON BODY AND CLAMP COLLAR, POLISHED 5" ROUND NICKEL BRONZE STRAINER HEAD AND GRATE. 3" CONNECTION.	-TRAP PRIMER AND TRAP PRIMER CONNECTION -VANDAL PROOF SCREWS
FD-2	OVAL FUNNEL FLOOR DRAIN	ZURN ZN-415-F-P-M, EPOXY COATED CAST IRON BODY AND CLAMP COLLAR, POLISHED 10" OVAL FUNNEL NICKEL BRONZE STRAINER HEAD AND GRATE. 4" CONNECTION.	-TRAP PRIMER AND TRAP PRIMER CONNECTION -SEDIMENT BUCKET
FD-3	GENERAL PURPOSE FLOOR DRAIN	ZURN Z-221-X, EPOXY COATED CAST IRON BODY AND GRATE. 4" CONNECTION	-SEDIMENT BUCKET
FD-4	EXTRA HEAVY DUTY FLOOR DRAIN	ZURN ZN-610-H-P-Y, EPOXY COATED CAST IRON BODY AND CLAMP COLLAR, AND 12"x12" HINGED HEAVY DUTY FRAME AND GRATE. 4" CONNECTION	-SEDIMENT BUCKET -LOCKING GRATE -SECONDARY STRAINER
PD-1	PLANTING AREA FLOOR DRAIN	ZURN Z-348 DOME TYPE DURA- COATED CAST IRON BODY AND FLASHING CLAMP/ GRAVEL GUARD, SS MESH OVER DOME 3" NO-HUB (MJ) CONNECTION.	
RD-1	ROOF DRAIN	ZURN Z-121-EBC-85 EPOXY COATED CAST IRON BODY AND CLAMP COLLAR WITH 12" INTEGRAL GRAVEL GUARD, HARDWARE AND DOME.	-ROOF SUMP RECEIVER -UNDER DECK CLAMP -WATERPROOF FLANGE -STAINLESS STEEL MESH OVER DOME -STAINLESS STEEL EXTENSION TO SUIT ROOF INSULATION THICKNESS.
LB-1, FD-5	-LAWN BASIN -CATCH BASIN (IN DRIVEWAY WITH 9 SQ. PAVERS)	ZURN Z-609, 9 IN SQUARE TOP DRAIN, DURA-COUATED CAST IRON BODY WITH BOTTOM OUTLET, SEEPAGE PAN, HEAVY DUTY CAST IRON ANTI-TILT SLOTTED GRATE AND COMBINATION MENBRANE FLASHING CLAMP AND FRAME	4" NO-HUB (MJ) CONNECTION. -Z-609 IS AVAIL. IN U.S.A. CATALOGUES ONLY (3 WEEKS DELIVERY) -SEDIMENT BUCKET
HB-1	EXPOSED NON FREEZE EXTERIOR HOSE BIBB (PUBLIC)	ZURN ZN-1310 [" EXPOSED NON FREEZE WALL HYDRANT, BRONZE INTERIOR PARTS, OPERATING KEY, BRONZE CASING, STAINLESS STEEL FACE WITH STRAIGHT THREAD HOSE CONNECTION. CONTRACTOR TO CONFIRM WALL THICKNESS.	-ANTI-SYPHON AUTOMATIC DRAINING WALL HYDRANT
HB-2	EXPOSED NON FREEZE EXTERIOR HOSE BIBB (PRIVATE)	ZURN ZN-1345 \" EXPOSED NON FREEZE WALL HYDRANT, BRONZE INTERIOR PARTS, BRASS CASING, EXTERIOR CHROME FINISH WITH STRAIGHT THREAD HOSE CONNECTION. CONTRACTOR TO CONFIRM WALL THICKNESS.	-ANTI-SYPHON AUTOMATIC DRAINING WALL HYDRANT
HB-3	SURFACE MOUNT HOSEBIBB	EMCO 10241 [" SEDIMENT FAUCET WITH HOSE END.	-C/W ATMOSPHERIC VACUUM BREAKER.

PLUMBING SCHEDULE

TYPE	DESCRIPTION	FIXTURE TYPE	TRIM	ACCESSORIES
L-1 (PRIVATE)	LAVATORY - TYPICAL SUITE	REGAL L-1506 RECTANGULAR UNDERMOUNT- WHITE	DELTA RHYTHRN #582-WF CHROME (NO ESCUTCHEON PLATE)	
SK-1 (PRIVATE)	KITCHEN SINK - TYPICAL SUITE	KINDRED QCMF2031/9 STAINLESS STEEL	DELTA SIGNATURE #470-SS STAINLESS STEEL(NO ESCUTCHEON PLATE)	
WC-1 (PRIVATE)	WATER CLOSET- TYPICAL SUITE	TOTO MS854114 ULTIMATE ONE PIESE TOILET, 1.6GPF, ELONGATED WITH SOFTCLOSE SET - WHITE	WITH CHROME TOILET FLUSH	
BT-1 (PRIVATE)	BATHTUB - TYPICAL SUITE	VALLEY PACIFIC LINE PLR6034 NO JETS OR VENCO AV6034SK NO JETS - WHITE	DELTA RHYTHM #1482TP CHROME	
SH-1 (PRIVATE)	SHOWER - TYPICAL SUITE	(SHOWER BASES TO BE SUPPLIED AND INSTALLED BY PLUMBER TO SIZES ON ARCHITECTURAL PLANS) COLOUR:WHITE	DELTA RHYTHM #1432TP CHROME	
L-2 (PUBLIC) (HANDICAP)	LAVATORY	REGAL L-1506 RECTANGULAR UNDERMOUNT- BISCUIT	DELTA RHYTHRN #582-WF CHROME (NO ESCUTCHEON PLATE)	OFFSET OPEN GRID STRAINER
WC-2 (PUBLIC) (HANDICAP)	ELONGATED CLOSET BOWL w/ TANK (HANDICAP)	TOTO CST704L, 1.6GPF TOILET, ELONGATED FRONT BOWL C704L ONLY,12" ROUGH-IN. ST706DB BOLT DOWN LID AND INSULATED TANK	5/8" x 15" CHROME PLATED ANGLE SUPPLY WITH WHEEL HANDLE STOP AND ESCUTCHEON.	BEMIS 1955 SSC WHITE OPEN FRONT SEAT LESS COVER.
SH-2 (PUBLIC) (HANDICAP)	HANDICAP SHOWER	CONTRACTOR PROVIDE BASE AND BUILT-UP WALLS.	DELTA RHYTHM #1432TP CHROME, RPW324HDF HEAVY DUTY AND TRIM, PRESSURE BALANCING CONTROLLER MAX. TEMP LIMIT STOP, JAY R. SMITH SERIES 2005A FLOOR DRAIN DUCO COATED CAST IRON BODY, WATER PROOFING FLANGE, 3/4" STRAINER, S.S. SCREWS, 4" THROAT ON STRAINER.	
JS-1	MOP SINK	FIAT MODEL MTB-2424 PRECAST TERRAZZO, CAST BRASS DRAIN, S.S. DOMED STRAINER 3" (75MM) OUTLET.	DELTA FAUCET "CAMBRIDGE BRASS" MODEL: D28T9 C.P. 8" (203MM) C.C. WALL MOUNTED, SOLID CAST BRASS BODY, WITH CAST METAL HANDLES, VACUUM BREAKER AND INTEGRAL STOPS.	
DF-1	DRINKING FOUNTAIN - S.S. WALL HUNG (BARRIER FREE DESIGN & GENERAL USE)	HAWS #1001 FOUNTAIN, WALL HUNG, STAINLESS STEEL, 18 GAUGE WITH #4 SATIN FINISH, 14" RECEPTOR,LEAD FREE, 'SOFT TOUCH VALVE' CONTROL BUBBLER	SELF-CLOSING, AUTOMATIC VOLUME REGULATOR, OPEN GRID STRAINER, #6700 MOUNTING PLATE. McGUIRE #HST11BV SUPPLY, C.P., POLISHED, COMBINATION WHEEL HANDLE/LOOSE KEY BALL VALVE STRAIGHT STOP, McGUIRE #8872C-17T 'P' TRAP, C.P. 17GAUGE, 1-1/4". SMITH SERIES#0823 CARRIER, WITH STEEL PIPE LEGS, BLOCK BASE FEET SUPPORT AND PLATE.	

TANKLESS ELECTRIC WATER HEATER

TAG No.	TL-DWH 1 & 2
LOCATION	LEVEL 8 & 17 MECH. SHAFT
MANUFACTURER	STIEBEL ELTRON
MODEL	DHC-E 20
SERVICE	DOMESTIC HOT WATER RECIRC.
CAPACITY	
INPUT (KW)	14.4
FLOW (GPM)	3.0
VOLTAGE/PHASE	208/1
SIZE (W x D x H)	22"x5"x15"
NOTE:	

BLOWER COIL UNIT SCHEDULE

FAN COIL TAG No.	BCU-1		
LOCATION	P1	SUPPLEMENTAL ELEC. HEATING CAPACITY (KW) @ 575/3~	-
SERVICE:	ELECTRICAL RM@P1	MCA	-
MAUFACTURER	LENNOX	OUTDOOR UNIT TAG No.	CU-1
NOM TONS	5	TYPE	CONDENSING UNIT
MODEL	CB3017-65	LOCATION	P2
CAPACITY (CFM)	2000	MAUFACTURER	LENNOX
E.S.P. (")	0.25	MODEL	HPXA15-060
VOLTAGE/PHASE	208/1/60	AIRFLOW (CFM)	-
FAN (HP)	1/2	VOLATGE / PHASE	208/1/60
COOLING CAPACITY (TONS)	5	MCA	36.2
HEATING CAPACITY (MBH) @17 DEG F.	-	ACCESSORIES	COOLING T'STAT BY UNIT MANUFACTURER

MAKE-UP AIR UNIT SCHEDULE

TAG No.	MUA-1
LOCATION	MECH RM. ROOF LEVEL
SERVICE	MAKE UP AIR
MANUFACTURER	ENGINEERED AIR
MODEL	DJ-100 (18/18)
HEATING INPUT (MBH)	700
HEATING OUTPUT (MBH)	567
FUEL	NAT. GAS
TURNDOWN	15:1
CFM CAPACITY	9000
STATIC PRESSURE ("S.P.)	1"
MOTOR (HP)	7.5 HP
VOLTAGE / PHASE / HERTZ	575/3/60
WEIGHT (LBS)	1800
NOTES	INDOOR GAS FIRED UNIT C/W REPLACABLE FLAT FILTER SECTION, MOTORIZED INLET DAMPER, SEISMICALLY RATED INTERNAL VIBRATION ISOLATION.

BOILER SCHEDULE

TAG No.	B-1 & B-2
LOCATION	ROOF MECH ROOM
MANUFACTURER	A.O. SMITH
MODEL	HW-610
SERVICE	DOMESTIC HOT WATER
NATURAL GAS RATINGS (psi)	80%- 82%
CAPACITY	
INPUT (MBH)	610
OUTPUT (MBH)	488
OPERATING WEIGHT (lbs)	361
VOLTAGE/PHASE	120/1
SIZE (Ø x H)	27"X65"
NOTE:	C/W PUMP PACKAGE #18193

ELECTRIC DUCT HEATER SCHEDULE

TAG No.	EDH-1	EDH-2	EDH-3
LOCATION	LEVEL P0 BILLARD/SOCIAL/OFFICE	LEVEL P0 EXERCISE ROOM	LEVEL P0 SPA ROOM
SERVICE	O/A SUPPLY	O/A SUPPLY	O/A SUPPLY
MANUFACTURER	THERMOLEC	THERMOLEC	THERMOLEC
MODEL	-	-	-
DUCT SIZE	12"x12"	12"x12"	12"x10"
VOLTAGE / PHASE / HERTZ	575/3/60	575/3/60	575/3/60
CAPACITY (KW)	8.5	9.0	7.0
NOTE:	c/w SCR CONTROL, DUCTSTAT & AIR PROVING SWITCH, TOGGLE DISCONNECT & PROTECTIVE SCREENS	c/w SCR CONTROL, DUCTSTAT & AIR PROVING SWITCH, TOGGLE DISCONNECT & PROTECTIVE SCREENS	c/w SCR CONTROL, DUCTSTAT & AIR PROVING SWITCH, TOGGLE DISCONNECT & PROTECTIVE SCREENS

TANK SCHEDULE

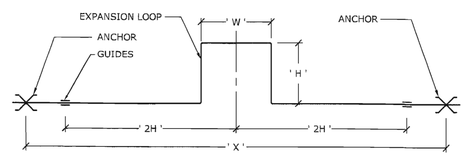
TAG No.	TK-1
LOCATION	ROOF MECH ROOM
MANUFACTURER	A.O. SMITH
MODEL	HD-480
VOLUME (gal.)	500
DIMENSIONS (DIA x LENGTH)	48" X 69"
OPERATING WEIGHT (lbs.)	953

EXPANSION TANK SCHEDULE

TAG No.	EXP-1
SERVICE	DOMESTIC HOT WATER
MANUFACTURER	AMTROL
MODEL	ST-180V-C
TOTAL VOL. (GAL)	62
ACCEPTANCE VOL. (GAL)	34
D (in) x H (in)	22"Ø x 46 3/4"
NOTES	-

LOOP SIZING DATA

1. USE THESE FORMULAS FOR TEMPERATURE DIFFERENCES NOT EXCEEDING 230°F. FOR OTHER CONDITIONS USE THE ASHRAE GUIDE DATA BOOK.
2. LENGTH OF PIPE LOOP IN INCHES: "L" INCHES = 2H + W.
3. FOR LENGTH "L" USE FOLLOWING FORMULA: $L=6.225\sqrt{DE}$
4. D = DIAMETER IN INCHES.
5. E = ANCHOR TO ANCHOR THERMAL EXPANSION IN INCHES. STEEL PIPE E = 0.0323X COPPER PIPE E = 0.0487X
6. X = ANCHOR TO ANCHOR DISTANCE IN FEET.



PIPE SIZE, IN.	ANCHOR TO ANCHOR EXPANSION 'E', IN.											
	2		4		6		8		10		12	
	W	H	W	H	W	H	W	H	W	H	W	H
1	2	4	3	6	3.5	7	4	8"	4.5	9	5	10
2	3	6	4	8	5	10	5.5	11	6	12	7	14
3	3.5	7	5	10	6	12	6.5	13	7.5	15	8	16
4	4	8	5.5	11	6.5	13	7.5	15	8.5	17	9	18
6	5	10	6.5	13	8	16	9	18	10	20	11	22
8	5.5	11	7.5	15	9	18	10.5	21	12	24	13	26
10	6	12	8.5	17	10	20	11.5	23	13	26	14	28
12	6.5	13	9	18	11	22	12.5	25	14	28	15.5	31
14	7	14	9.5	19	11.5	23	13	26	15	30	16	32
16	7.5	15	10	20	12.5	25	14	28	16	32	17.5	35
18	8	16	11	22	13	26	15	30	17	34	18.5	37
20	8.5	17	11.5	23	14	28	16	32	18	36	19.5	39
24	9	18	12.5	25	14.5	29	17.5	35	19.5	39	21	42

NOTE: 'W' AND 'H' DIMENSIONS ARE IN FEET, W =L/5, H = 2W.

PUMP SCHEDULE

TAG No.	P-1 & P-2	P-3	P-4 & P-5	P-6	P-7	P-8	P-9	P-10	P-11	P-12 & P-13	P-14	P-15 & P-16
LOCATION	PARKADE LEVEL P4 STORM SUMP	PARKADE LEVEL P4 GRAYWATER STORM SUMP	PARKADE LEVEL P4 SANITARY SUMP	PARKADE LEVEL P4 ELEVATOR SUMP	WATER ENTRY ROOM	WATER ENTRY ROOM	WATER ENTRY ROOM	WATER ENTRY ROOM	WATER ENTRY ROOM	8TH & 17TH FLOOR CORE SHAFT	MECHANICAL RM PENTHOUSE	ROOF MECH RM
MANUFACTURER	MYERS	MYERS	MYERS	MYERS	BELL & GOSSETT	BELL & GOSSETT	BELL & GOSSETT	-	-	BELL & GOSSETT	BELL & GOSSETT	A.O. SMITH
MODEL	3VX50M4-53	WHR5H-11	WHR5H-11	WHR5H-11	70M-80	70M-80	70M-80	-	-	PL-36	PL-36	ALL BRONE CIRC. PUMP
SERVICE	DUPLEX STORM PUMP	SIMPLEX GRAYWATER STORM PUMP	DUPLEX SANITARY PUMP	SIMPLEX SANITARY PUMP	DOMESTIC WATER BOOSTER PUMP	DOMESTIC WATER BOOSTER PUMP	DOMESTIC WATER BOOSTER PUMP	JOCKEY PUMP	FIRE PUMP	DOMESTIC HOT WATER RECIRCULATION	DOMESTIC HOT WATER RECIRCULATION	BOILER LOOP
SIZE	-	-	-	-	2x2x7	3x3x7B	3x3x7B	-	-	-	-	-
WEIGHT (lbs)	-	-	-	-	-	-	-	-	-	-	-	-
CAPACITY (gpm)	200	50	50	50	110	220	220	10 (EST.)	500 (EST.)	3.0	10	30
HEAD (ft.)	30	22	22	16	144	144	144	280 (EST.)	280 (EST.)	33	29	10
MOTOR (hp)	5	0.5	0.5	0.5	7.5	15	15	1.5	75	1/6	1/6	1/4
MOTOR (r/min.)	1750	3450	3450	3450	3500	3525	3525	3500	3500	3300	3300	1750
VOLTAGE	600/3	208/1	208/1	208/1	600/3	600/3	600/3	600/3	600/3	120/1	120/1	120/1
SUCTION SIZE (in)	2"	1.5"	2"	2"	2	3	3	-	-	3/4"	1 1/2"	-
DISCHARGE SIZE (in)	3"	2"	2"	2"	2	3	3	-	-	3/4"	1 1/2"	-
IMPELLER SIZE (in)	4.5"	-	-	-	6.125	6.125	6.125	-	-	-	-	-
FRAME SIZE (in)	-	-	-	-	-	-	-	-	-	8 5/8"	8 5/8"	-
NOTES:	-CAST IRON -SEE SPECIFICATION - LIFT OUT RAIL/CHAIN - EMERGENCY POWER - C/W VANDAL PROOF CONTROL PANEL	INTRISICALLY SAFE CONTROL PANEL - LIFT OUT RAILS & LIFT OUT CHAIN - VANDAL PROOF CONTROL PANEL	INTRISICALLY SAFE CONTROL PANEL - LIFT OUT RAILS & LIFT OUT CHAIN - VANDAL PROOF CONTROL PANEL	INTRISICALLY SAFE CONTROL PANEL - LIFT OUT RAILS & LIFT OUT CHAIN - VANDAL PROOF CONTROL PANEL. - EMERGENCY POWER	-CAST IRON -BRONZE FITTED -TRIPLEX BOOSTER SYSTEM PACKAGE -C/W DRAWDOWN TANK -SEE SPECIFICATION	CAST IRON BRONZE FITTED -TRIPLEX BOOSTER SYSTEM PACKAGE -C/W DRAWDOWN TANK -SEE SPECIFICATION	CAST IRON BRONZE FITTED -TRIPLEX BOOSTER SYSTEM PACKAGE -C/W DRAWDOWN TANK -SEE SPECIFICATION	-EMERGENCY POWER -SEE SPECIFICATION	-EMERGENCY POWER -SEE SPECIFICATION -FLOW TO BE CONFIRMED BY SPRINKLER ENGINEER	-TIME CLOCK -ALL BRONZE	-TIME CLOCK -ALL BRONZE	-CONTROLLED BY BOILER -ALL BRONE CIRC. PUMP

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ISSUE	DATE
REVISE PLUMBING FIXTURE SCHEDULE	FEB. 22, 2006
ISSUED FOR CONSTRUCTION	FEB. 15, 2006
REISSUED FOR BUILDING PERMIT	FEB. 03, 2006
ISSUED FOR BUILDING PERMIT	NOV. 21, 2005
ISSUED FOR PRICING & EXCAVATION PERMIT	OCT. 31, 2005
ISSUED FOR 50% REVIEW	SEPT. 19, 2005

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PROJECT TITLE
THE CRESCENDO

DRAWING TITLE
SCHEDULES – MECHANICAL

PROJECT NO.	FILE / DATE
2418	
DRAWN: GW/JZ/LW	CHECKED: NK
SCALE: AS NOTED	

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DRAWING NO.
M-35
OF 36

FAN SCHEDULE

TAG No.	F-1	F-2	F-3	F-4	F-5	F-6	F-7	F-8	F-9	F-10	F-11	F-12	F-13	F-14	F-15	F-16	F-17
MANUFACTURER	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK
MODEL	54XLWH	36XMWH	48XLWH	20XLW	48XLWH	54XLWH	36XMWH	48XLWH	20XLW	48XLWH	54XLWH	36XMWH	48XLWH	20XLW	48XLWH	36XMWH	60XLWH
LOCATION	LEVEL P4	LEVEL P4	LEVEL P4	LEVEL P4	LEVEL P4	LEVEL P3	LEVEL P3	LEVEL P3	LEVEL P3	LEVEL P3	LEVEL P2	LEVEL P2	LEVEL P2	LEVEL P2	LEVEL P2	LEVEL P1	LEVEL P1
SERVICE	PARKADE SUPPLY	PARKADE SUPPLY	PARKADE EXHAUST	PARKADE TRANSFER	PARKADE EXHAUST	PARKADE SUPPLY	PARKADE SUPPLY	PARKADE EXHAUST	PARKADE TRANSFER	PARKADE EXHAUST	PARKADE SUPPLY	PARKADE SUPPLY	PARKADE EXHAUST	PARKADE TRANSFER	PARKADE EXHAUST	PARKADE SUPPLY	PARKADE EXHAUST
CAPACITY (CFM)	21,500	7,200	14,400	3,500	14,400	21,500	7,200	14,400	3,500	14,400	21,500	7,200	14,400	3,500	14,400	8,500	34,000
STATIC PRESSURE (in.)	0.375	0.375	0.375	0.25	0.375	0.375	0.375	0.375	0.25	0.375	0.375	0.375	0.375	0.25	0.375	0.375	0.375
FAN (rpm)	388	648	467	1034	467	388	648	467	1034	467	388	648	467	1034	467	666	362
MOTOR (HP)	3	1.5	3	0.5	3	3	1.5	3	0.5	3	3	1.5	3	0.5	3	1.5	5
VOLTAGE/PHASE	208/3	208/3	208/3	208/3	208/3	208/3	208/3	208/3	208/3	208/3	208/3	208/3	208/3	208/3	208/3	208/3	208/3
SONES	23.0	16.3	23.0	22.0	23.0	23.0	16.3	23.0	22.0	23.0	23.0	16.3	23.0	22.0	23.0	17.6	24.0
WEIGHT (LBS)	300	250	300	125	300	300	250	300	125	300	300	250	300	125	300	250	300
NOTES/ ACCESSORIES/ CONTROL	- ON EMERG. POWER - INTERLOCK WITH F-3 & F-5 - c/w WIRE GUARD - INTERLOCK WITH F/A PANEL	- ON EMERG. POWER - INTERLOCK WITH F-3 & F-5 - c/w WIRE GUARD - INTERLOCK WITH F/A PANEL	- ON EMERG. POWER - WIRE TO CO DETECTOR - c/w WIRE GUARD - INTERLOCK WITH F/A PANEL	- ON EMERG. POWER - INTERLOCK WITH F-3 & F-5 - c/w WIRE GUARD - INTERLOCK WITH F/A PANEL	- ON EMERG. POWER - WIRE TO CO DETECTOR - c/w WIRE GUARD - INTERLOCK WITH F/A PANEL	- ON EMERG. POWER - INTERLOCK WITH F-8 & F-10 - c/w WIRE GUARD - INTERLOCK WITH F/A PANEL	- ON EMERG. POWER - INTERLOCK WITH F-8 & F-10 - c/w WIRE GUARD - INTERLOCK WITH F/A PANEL	- ON EMERG. POWER - WIRE TO CO DETECTOR - c/w WIRE GUARD - INTERLOCK WITH F/A PANEL	- ON EMERG. POWER - INTERLOCK WITH F-8 & F-10 - c/w WIRE GUARD - INTERLOCK WITH F/A PANEL	- ON EMERG. POWER - WIRE TO CO DETECTOR - c/w WIRE GUARD - INTERLOCK WITH F/A PANEL	- ON EMERG. POWER - INTERLOCK WITH F-13 & F-15 - c/w WIRE GUARD - INTERLOCK WITH F/A PANEL	- ON EMERG. POWER - INTERLOCK WITH F-13 & F-15 - c/w WIRE GUARD - INTERLOCK WITH F/A PANEL	- ON EMERG. POWER - WIRE TO CO DETECTOR - c/w WIRE GUARD - INTERLOCK WITH F/A PANEL	- ON EMERG. POWER - INTERLOCK WITH F-13 & F-15 - c/w WIRE GUARD - INTERLOCK WITH F/A PANEL	- ON EMERG. POWER - WIRE TO CO DETECTOR - c/w WIRE GUARD - INTERLOCK WITH F/A PANEL	- ON EMERG. POWER - INTERLOCK WITH F-17 - c/w WIRE GUARD - INTERLOCK WITH F/A PANEL	- ON EMERG. POWER - WIRE TO CO DETECTOR - c/w WIRE GUARD - INTERLOCK WITH F/A PANEL

FAN SCHEDULE

TAG No.	F-18	F-19	F-20	F-21	F-22	F-23	F-24	F-25	F-26	F-27	F-28	F-29	F-30	F-31	F-32	F-33	F-34
MANUFACTURER	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK
MODEL	150SQN-B	150SQN-B	24XLW	GC-720	GC-720	GC-320	GC-320	GC-640	GC-720	GC-720	GC-320	GC-320	GC-720	GC-720	GC-320	GC-320	100 SQN-B
LOCATION	LEVEL P3	LEVEL P3	ROOF	LEVEL P4	LEVEL P4	LEVEL P4	LEVEL P4	LEVEL P4	LEVEL P3	LEVEL P3	LEVEL P3	LEVEL P3	LEVEL P2	LEVEL P2	LEVEL P2	LEVEL P2	LEVEL P0/ENTRY
SERVICE	STAIRS PRESSURIZATION	STAIRS PRESSURIZATION	ELEVATOR MACHINE ROOM EXHAUST	STORAGE/LOCKERS VENTILATION	STORAGE/LOCKERS VENTILATION	STORAGE/LOCKERS VENTILATION	STORAGE VENTILATION	WATER ENTRY ROOM EXHAUST	STORAGE/LOCKERS VENTILATION	STORAGE/LOCKERS VENTILATION	STORAGE/LOCKERS VENTILATION	STORAGE VENTILATION	STORAGE/LOCKERS VENTILATION	STORAGE/LOCKERS VENTILATION	STORAGE/LOCKERS VENTILATION	STORAGE VENTILATION	WHIRLPOOL ROOM VENTILATION
CAPACITY (CFM)	4,000	4,000	1,700	500	500	150	150	450	500	500	150	150	500	500	150	150	700
STATIC PRESSURE (in.)	0.5	0.5	0.5	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.5
FAN (rpm)	1933	1933	971	1375	1375	1365	1365	1075	1375	1375	1365	1365	1375	1375	1365	1365	1715
MOTOR (HP)	2	2	0.75	301 Watt.	301 Watt.	75 Watt.	75 Watt.	351 Watt.	301 Watt.	301 Watt.	75 Watt.	75 Watt.	301 Watt.	301 Watt.	75 Watt.	75 Watt.	0.2HP
VOLTAGE/PHASE	208/3	208/3	208/3	120/1	120/1	120/1	120/1	120/1	120/1	120/1	120/1	120/1	120/1	120/1	120/1	120/1	120/1
SONES/ Dba	32.0	32.0	21.0	6.5	6.5	3.8	3.8	4.1	6.5	6.5	3.8	3.8	6.5	6.5	3.8	3.8	10.2
WEIGHT (LBS)	200	200	150	50	50	30	30	50	50	50	30	30	50	50	30	30	30
NOTES/ ACCESSORIES/ CONTROL	- ON EMERG. POWER - INTERLOCK WITH F/A PANEL	- ON EMERG. POWER - INTERLOCK WITH F/A PANEL	- REVERSE ACTING THERMOSTAT - c/w GRAVITY SHUTTER - c/w FAN GUARD	- c/w BACKDRAFT DAMPER - WIRE TO LIGHT SWITCH	- c/w BACKDRAFT DAMPER - WIRE TO LIGHT SWITCH	- c/w BACKDRAFT DAMPER - WIRE TO LIGHT SWITCH	- c/w BACKDRAFT DAMPER - WIRE TO LIGHT SWITCH	- c/w BACKDRAFT DAMPER - WIRE TO DEHUMIDISTAT	- c/w BACKDRAFT DAMPER - WIRE TO LIGHT SWITCH	- c/w BACKDRAFT DAMPER - WIRE TO LIGHT SWITCH	- c/w BACKDRAFT DAMPER - WIRE TO LIGHT SWITCH	- c/w BACKDRAFT DAMPER - WIRE TO LIGHT SWITCH	- c/w BACKDRAFT DAMPER - WIRE TO LIGHT SWITCH	- c/w BACKDRAFT DAMPER - WIRE TO LIGHT SWITCH	- c/w BACKDRAFT DAMPER - WIRE TO LIGHT SWITCH	- c/w BACKDRAFT DAMPER - WIRE TO LIGHT SWITCH	- CORROSION RESISTANCE PAINTING - VIBRATION ISOLATOR - FLEXIBLE CONNECTION - c/w BACKDRAFT DAMPER - WIRE TO DEHUMIDISTAT

FAN SCHEDULE

TAG No.	F-35	F-36	F-37	F-38	F-39	F-40	F-41	F-42	F-43	F-44	F-45	F-46	F-47	F-48	F-49	F-50	F-51
MANUFACTURER	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK	COOK
MODEL	GC-720	GC-320	GC-320	GC-320	GC-320	GC-320	GC-320	GC-320	GC-320	GC-720	GC-420	GC-320	GC-320	GC-320	GN-720	GC-840	GC-240	GN-720
LOCATION	LEVEL P1	LEVEL P1	LEVEL P1	LEVEL P1	LEVEL P1	LEVEL P0	LEVEL P1	LEVEL P1	LEVEL P1	LEVEL P1	LEVEL P1	LEVEL P1	LEVEL P1	LEVEL P0	LEVEL P0	LEVEL P0	LEVEL P0
SERVICE	JANITOR ROOM EXHAUST	BICYCLE ROOM EXHAUST	TELEPHONE ROOM EXHAUST	STRATA STORAGE RM EXHAUST	EMER. ELEC. RM EXHAUST	STORAGE EXHAUST	CABLE/INTERNET RM EXHAUST	SECURITY/ALARM RM EXHAUST	BICYCLE ROOM VENTILATION	POOL EQUIP RM EXHAUST	STORAGE ROOM VENTILATION	BICYCLE ROOM EXHAUST	IRRIGATION ROOM EXHAUST	PUBLIC WASHROOM EXHAUST	GARBAGE/RECYCLING EXHAUST	OFFICE WASHROOM EXHAUST	BILLARD/SOCIAL RM SUPPLY
CAPACITY (CFM)	500	150	150	150	150	100	150	150	500	250	150	150	150	400	1,000	100	500
STATIC PRESSURE (in.)	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.5	0.25	0.25	0.625
FAN (rpm)	1375	1365	1365	1365	1365	1365	1365	1365	1375	1145	1365	1365	1365	1325	1066	1200	1325
MOTOR (HP)	301 Watt.	75 Watt.	75 Watt.	75 Watt.	75 Watt.	75 Watt.	75 Watt.	75 Watt.	301 Watt.	156 Watt.	75 Watt.	75 Watt.	75 Watt.	323 Watt.	373 Watt.	65 Watt.	323 Watt.
VOLTAGE/PHASE	120/1	120/1	120/1	120/1	120/1	120/1	120/1	120/1	120/1	120/1	120/1	120/1	120/1	120/1	120/1	120/1	120/1
SONES/ Dba	6.5	3.8	3.8	3.8	3.8	3.8	3.8	3.8	6.5	2.5	3.8	3.8	3.8	3.0	7.1	1.5	3.0
WEIGHT (LBS)	50	30	30	30	30	30	30	30	50	50	30	30	30	50	100	30	50
NOTES/ ACCESSORIES/ CONTROL	- c/w BACKDRAFT DAMPER - WIRE TO LIGHT SWITCH	- c/w BACKDRAFT DAMPER - WIRE TO LIGHT SWITCH	- WIRE TO REVERSE ACTING T'STAT	- c/w BACKDRAFT DAMPER - WIRE TO DEHUMIDISTAT	- WIRE TO REVERSE ACTING T'STAT	- c/w BACKDRAFT DAMPER - WIRE TO LIGHT SWITCH	- WIRE TO REVERSE ACTING T'STAT	- WIRE TO REVERSE ACTING T'STAT	- c/w BACKDRAFT DAMPER - WIRE TO LIGHT SWITCH	- c/w BACKDRAFT DAMPER - WIRE TO DEHUMIDISTAT	- c/w BACKDRAFT DAMPER - WIRE TO LIGHT SWITCH	- c/w BACKDRAFT DAMPER - WIRE TO LIGHT SWITCH	- c/w BACKDRAFT DAMPER - WIRE TO DEHUMIDISTAT	- c/w BACKDRAFT DAMPER - TIME CLOCK - VIBRATION ISOLATOR	- c/w BACKDRAFT DAMPER - TIME CLOCK	- c/w BACKDRAFT DAMPER - WIRE TO LIGHT SWITCH	- c/w BACKDRAFT DAMPER - VIBRATION ISOLATOR - FLEXIBLE CONNECTION

FAN SCHEDULE

TAG No.	F-52	F-53	F-54	F-55	F-56	F-57	F-58
MANUFACTURER	BROAN	COOK	COOK	BROAN	FANTECH	BROAN	BROAN
MODEL	GP-130WWN	GN-720	GN-720	GP-130WWN	DBF-110	S90	S130
LOCATION	LEVEL P0	LEVEL P0	LEVEL P0	TYPICAL SUITES	TYPICAL SUITES	TYPICAL SUITES	TYPICAL SUITES
SERVICE	KITCHEN HOOD EXHAUST	EXERCISE ROOM SUPPLY	SPA ROOM SUPPLY	KITCHEN HOOD EXHAUST	DRYER EXHAUST	PRIMARY WASHROOM EXHAUST	ENSUITE WASHROOM EXHAUST
CAPACITY (CFM)	190	500	400	190	133	90	130
STATIC PRESSURE (in.)	0.20	0.625	0.625	0.20	0.40	0.25	0.25
FAN (rpm)	-	1325	1325	-	2760	1050	1350
MOTOR (HP)	1.9 AMPS	323 Watt.	323 Watt.	1.9 AMPS	100 Watt.	50 Watt.	90 Watt.
VOLTAGE/PHASE	120/1	120/1	120/1	120/1	120/1	120/1	120/1
SONES/ Dba	7.0	3.0	3.0	7.0	-	1.5	3.5
WEIGHT (LBS)	-	50	50	-	-	-	-
NOTES/ ACCESSORIES/ CONTROL	- c/w BACKDRAFT DAMPER - ON/OFF SWITCH MULTI SPEED	- c/w BACKDRAFT DAMPER - VIBRATION ISOLATOR - FLEXIBLE CONNECTION	- c/w BACKDRAFT DAMPER - VIBRATION ISOLATOR - FLEXIBLE CONNECTION - TIME CLOCK	- c/w BACKDRAFT DAMPER - ON/OFF SWITCH MULTI SPEED	- c/w BACKDRAFT DAMPER - VIBRATION ISOLATOR - FLEXIBLE CONNECTION - INTERLOCK w/DRYER - c/w ADDITIONAL LINT TRAP	- c/w BACKDRAFT DAMPER - VIBRATION ISOLATOR - FLEXIBLE CONNECTION - WALL SWITCH - TIME CLOCK	- c/w BACKDRAFT DAMPER - VIBRATION ISOLATOR - FLEXIBLE CONNECTION - WALL SWITCH

SEQUENCE OF OPERATION SCHEDULE

TAG No.	NORMAL	FIRE MODE
PARKADE EXH & SUPPLY FAN: F-1,F-2,F-3,F-4,F-5,F-6,F-7, F-8,F-9,F-10,F-11,F-12,F-13, F-14,F-15,F-16,F-17	CONTROLLED BY CO DETECTOR	SHUT DOWN & MANUALLY CONTROLLED FROM FIRE ALARM
STAIR PRESSURIZE FAN F-18, F-19	OFF	ON
O/A SUPPLY F-51, F-53, F-54	ON	OFF
AIR HANDLING UNIT MUA-1	ON	SHUT DOWN & MANUALLY CONTROLLED FROM FIRE ALARM
FIRE PUMP P-10 & P-11	OFF	ON

DIFFUSER & GRILLE SCHEDULE

TAG No.	S-1	S-2	L-1	E-1	R-1	DG-1
MANUFACTURER & TYPE	E.H. PRICE 520	E.H. PRICE SPD	AIROLITE K6774	E.H. PRICE 80C	E.H. PRICE 80C	E.H. PRICE STG SERIES
DESCRIPTION	DOUBLE DEFLECTION SUPPLY GRILLE	24" x 24" SQUARE PLAQUE DIFF.	INTAKE/EXHAUST LOUVER	EGG CRATE DUCTED GRILLE	EGG CRATE DUCTED GRILLE	DOOR GRILLE 12"x10"
FINISH	OFF WHITE	OFF WHITE	PRIME COAT FOR FIELD PAINTING	OFF WHITE	OFF WHITE	OFF WHITE
MOUNTING	SIDEWALL DRYWALL OR DUCT MOUNTED	DRYWALL MOUNTED	FLANGE MOUNT	DUCT MOUNTED DRYWALL	DUCT MOUNTED DRYWALL	DOOR MOUNTED
NOTES:	C/W OBD	C/W OBD DAMPER	C/W BIRD SCREEN			

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REVISE PLUMBING FIXTURE SCHEDULE	FEB. 22, 2006
ISSUED FOR CONSTRUCTION	FEB. 15, 2006
REISSUED FOR BUILDING PERMIT	FEB. 03, 2006
ISSUED FOR BUILDING PERMIT	NOV. 21, 2005
ISSUED FOR PRICING & EXCAVATION PERMIT	OCT. 31, 2005
ISSUED FOR 50% REVIEW	SEPT. 19, 2005
ISSUE	DATE

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PROJECT TITLE
THE CRESCENDO

DRAWING TITLE
SCHEDULES – MECHANICAL

PROJECT NO. 2418	FILE / DATE
DRAWN GW/JZ/LW	CHECKED NK
SCALE AS NOTED	

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