

ABBREVIATIONS

SYMBOLS USED AS ABBREVIATIONS:

∠	ANGLE	EXMP	EXPANDED METAL PLATE	MECH	MECHANIC(AL)	STSM	STANDING SEAM
CL	CENTERLINE	EXP	EXPOSED	MED	MEDIUM	SUS	SUSPENDED
CH	CHANNEL	EXST	EXISTING	MET	METAL	SV	SHEET VINYL
P	PENNY	EXT	EXTERIOR	MFR	MANUFACTURE(ER)	SYM	SYMMETRY(ICAL)
⊥	PERPENDICULAR			MH	MANHOLE	SYN	SYNTHETIC
PL	PLATE	FA	FIRE ALARM	MICRO	MICROWAVE	SYS	SYSTEM
∅	ROUND	FAS	FASTEN	MIN	MINIMUM	T	TREAD
		FB	FACE BRICK	MIR	MIRROR	TB	TOWEL BAR
		FBD	FIBERBOARD	MISC	MISCELLANEOUS	TEL	TELEPHONE
		FBO	FURNISHED BY OTHERS	MMB	MEMBRANE	THK	THICKNESS
		FD	FLOOR DRAIN	MO	MASONRY OPENING	THR	THRESHOLD
		FE	FIRE EXTINGUISHER	MOV	MOVABLE	TOL	TOLERANCE
		FEC	FIRE EXTINGUISHER AND CABINET	MNT	MOUNT(ED)(ING)	TKBD	TACKBOARD
		FF	FACTORY FINISH	MULL	MULLION	TOS	TOP OF STEEL
		FFL	FINISHED FLOOR LINE	MW	MILLWORK	TPD	TOILET PAPER DISPENSER
		FHC	FIRE HOSE CABINET	N	NORTH	TRI	TRIPLE
		FIN	FINISH(ED)	NAT	NATURAL	TSL	TOP OF SLAB
		FJT	FLUSH JOINT	FLG	FLASHING	TV	TELEVISION
		FJ	FIRE EXTINGUISHER	FLR	FLOOR	TW	TOP OF WALL
		FEC	FIRE EXTINGUISHER AND CABINET	FLUOR	FLUORESCENT	TYP	TYPICAL
		FF	FACTORY FINISH	FLX	FLEXIBLE		
		FFL	FINISHED FLOOR LINE	FND	FOUNDATION		
		FHC	FIRE HOSE CABINET	FOC	FACE OF CONCRETE		
		FIN	FINISH(ED)	FOF	FACE OF FINISH		
		FJT	FLUSH JOINT	FOM	FACE OF MASONRY		
		FJ	FIRE EXTINGUISHER	FOS	FACE OF STUDS		
		FEC	FIRE EXTINGUISHER AND CABINET	FPL	FLOOR PLATE		
		FF	FACTORY FINISH	FR	FRAMED/FRAMING		
		FFL	FINISHED FLOOR LINE	FRC	FIRE-RESISTANT COATING		
		FHC	FIRE HOSE CABINET	FRG	FORGED		
		FIN	FINISH(ED)	FRT	FIRE-RETARDANT		
		FJT	FLUSH JOINT	FTG	FOOTING		
		FJ	FIRE EXTINGUISHER	FUR	FURRED		
		FEC	FIRE EXTINGUISHER AND CABINET	GALV	GALVANIZED		
		FF	FACTORY FINISH	GC	GENERAL CONTRACTOR		
		FFL	FINISHED FLOOR LINE	GD	GRADE		
		FHC	FIRE HOSE CABINET	GF	GROUND FACE		
		FIN	FINISH(ED)	GI	GALVANIZED IRON		
		FJT	FLUSH JOINT	GK	GASKET		
		FJ	FIRE EXTINGUISHER	GL	GLASS/GLAZING		
		FEC	FIRE EXTINGUISHER AND CABINET	GPL	GYPSON LATH		
		FF	FACTORY FINISH	GPPL	GYPSON PLASTER		
		FFL	FINISHED FLOOR LINE	GSS	GALVANIZED STEEL SHEET		
		FHC	FIRE HOSE CABINET	GT	GROUT		
		FIN	FINISH(ED)	GVL	GRAVEL		
		FJT	FLUSH JOINT	GWB	GYPSON WALL BOARD		
		FJ	FIRE EXTINGUISHER	HB	HOSE BIB		
		FEC	FIRE EXTINGUISHER AND CABINET	HBD	HARDBOARD		
		FF	FACTORY FINISH	HC	HANDICAPPED		
		FFL	FINISHED FLOOR LINE	HCC	HOLLOW CORE		
		FHC	FIRE HOSE CABINET	HCCJ	HORIZONTAL CONTROL JOINT		
		FIN	FINISH(ED)	HDR	HEADER		
		FJT	FLUSH JOINT	HDW	HARDWARE		
		FJ	FIRE EXTINGUISHER	HJT	HEAD JOINT		
		FEC	FIRE EXTINGUISHER AND CABINET	HM	HOLLOW METAL		
		FF	FACTORY FINISH	HOR	HORIZONTAL		
		FFL	FINISHED FLOOR LINE	HPT	HIGH POINT		
		FHC	FIRE HOSE CABINET	HR	HANDRAIL		
		FIN	FINISH(ED)	HT	HEIGHT		
		FJT	FLUSH JOINT	HTG	HEATING		
		FJ	FIRE EXTINGUISHER	HVAC	HEATING/VENTILATING/AIR CONDITIONING		
		FEC	FIRE EXTINGUISHER AND CABINET	HWD	HARDWOOD		
		FF	FACTORY FINISH	ID	INSIDE DIAMETER		
		FFL	FINISHED FLOOR LINE	INCL	INCLUDE(D)(ING)		
		FHC	FIRE HOSE CABINET	INSF	INSULATING FILL		
		FIN	FINISH(ED)	INSUL	INSULATE(D)(INSULATION)		
		FJT	FLUSH JOINT	INT	INTERIOR		
		FJ	FIRE EXTINGUISHER	INTM	INTERMEDIATE		
		FEC	FIRE EXTINGUISHER AND CABINET	INV	INVERT		
		FF	FACTORY FINISH	IPS	IRON PIPE SIZE		
		FFL	FINISHED FLOOR LINE	J	JOIST		
		FHC	FIRE HOSE CABINET	JF	JOINT FILLER		
		FIN	FINISH(ED)	JT	JOINT		
		FJT	FLUSH JOINT				
		FJ	FIRE EXTINGUISHER				
		FEC	FIRE EXTINGUISHER AND CABINET				
		FF	FACTORY FINISH				
		FFL	FINISHED FLOOR LINE				
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		FEC	FIRE EXTINGUISHER AND CABINET				
		FF	FACTORY FINISH				
		FFL					

BUILDING CODE INFORMATION

BUILDING CODE
 IBC (INTERNATIONAL BUILDING CODE) 2009

OCCUPANCY TYPE OF GROUP(S) (IBC 2009 CHAPTER 3):
 MERCHANTILE
 BUSINESS

CONSTRUCTION TYPE(S):
 V-A 4,811 S.F.

MAXIMUM AREA (S.F.):
 MERCHANTILE 573 S.F.
 BUSINESS 4,238 S.F.

REQUIRED SEPARATION OF OCCUPANCIES (TABLE 508.2.5):
 BM NR

MAXIMUM AREA OF EXTERIOR WALL OPENINGS:
 N/A

OCCUPANT LOAD CALCULATIONS BY OCCUPANCY:
 MERCHANTILE 60 S.F./OCCUPANT = 10
 BUSINESS 100 S.F./OCCUPANT = 43
 TOTAL = 53

EXIT REQUIREMENTS:
 FIRST FLOOR - 2 EXITS

MAXIMUM EXIT ACCESS TRAVEL DISTANCE (TABLE 1016.2):
 B - 300' M - 250'

MINIMUM CORRIDOR WIDTH (SECTION 1018.1 # SECTION 1005.1):
 44"

MAXIMUM DEAD END CORRIDOR (SECTION 1018.4):
 50'

MAXIMUM COMMON PATH OF TRAVEL (1014.3):
 B - 100' M - 75'

FIRE RESISTANCE RATING REQUIREMENTS FOR BLDG. ELEMENTS: (TBL 601)
 STRUCTURAL FRAME = 1 HRS.
 BEARING WALLS (INTERIOR AND EXTERIOR) = 1 HRS.
 NON-BEARING INTERIOR WALLS = 0 HRS.
 FLOOR CONSTRUCTION = 1 HRS.
 ROOF CONSTRUCTION = 1 HRS.

LIFE-SAFETY INFORMATION

LIFE SAFETY CODE:
 NFPA 101 LIFE SAFETY CODE 2009

OCCUPANCY:
 MERCHANTILE CHAPTER 26
 BUSINESS CHAPTER 38

REQUIRED SEPARATION:
 N/A

CLASSIFICATION OF HAZARD OF CONTENTS:
 ORDINARY

CONSTRUCTION TYPE(S) - (CHAPTER 8, TABLE A.8.2.1.2)
 V-A
 SPRINKLERED

AREA CALCULATIONS BY OCCUPANCY:
 FIRST FLOOR
 MERCHANTILE 574 S.F.
 BUSINESS 4,237 S.F.
 TOTAL 4,811 S.F.

OCCUPANT LOAD CALCULATIONS BY OCCUPANCY:
 MERCHANTILE 574 S.F. = 20
 BUSINESS 4,237 S.F. = 43
 TOTAL = 63

MEANS OF EGRESS:
 NUMBER OF EXITS - M-2 B-2
 MINIMUM EXIT SEPARATION DISTANCE FOR REMOTELY LOCATED EXITS
 1/3 DIAGONAL 37'-0"

STAIR WIDTH REQUIREMENTS: 36"

EXTINGUISHMENT REQUIREMENTS:
 SPRINKLERED (REQUIRED)

SUBDIVISION OF BUILDING SPACE:
 NONE

DETECTION/ALARM:
 NONE

EXIT REQUIREMENTS:
 2 EXITS

MAXIMUM EXIT ACCESS TRAVEL DISTANCE (TABLE A.7.6):
 M - 250' B - 300'

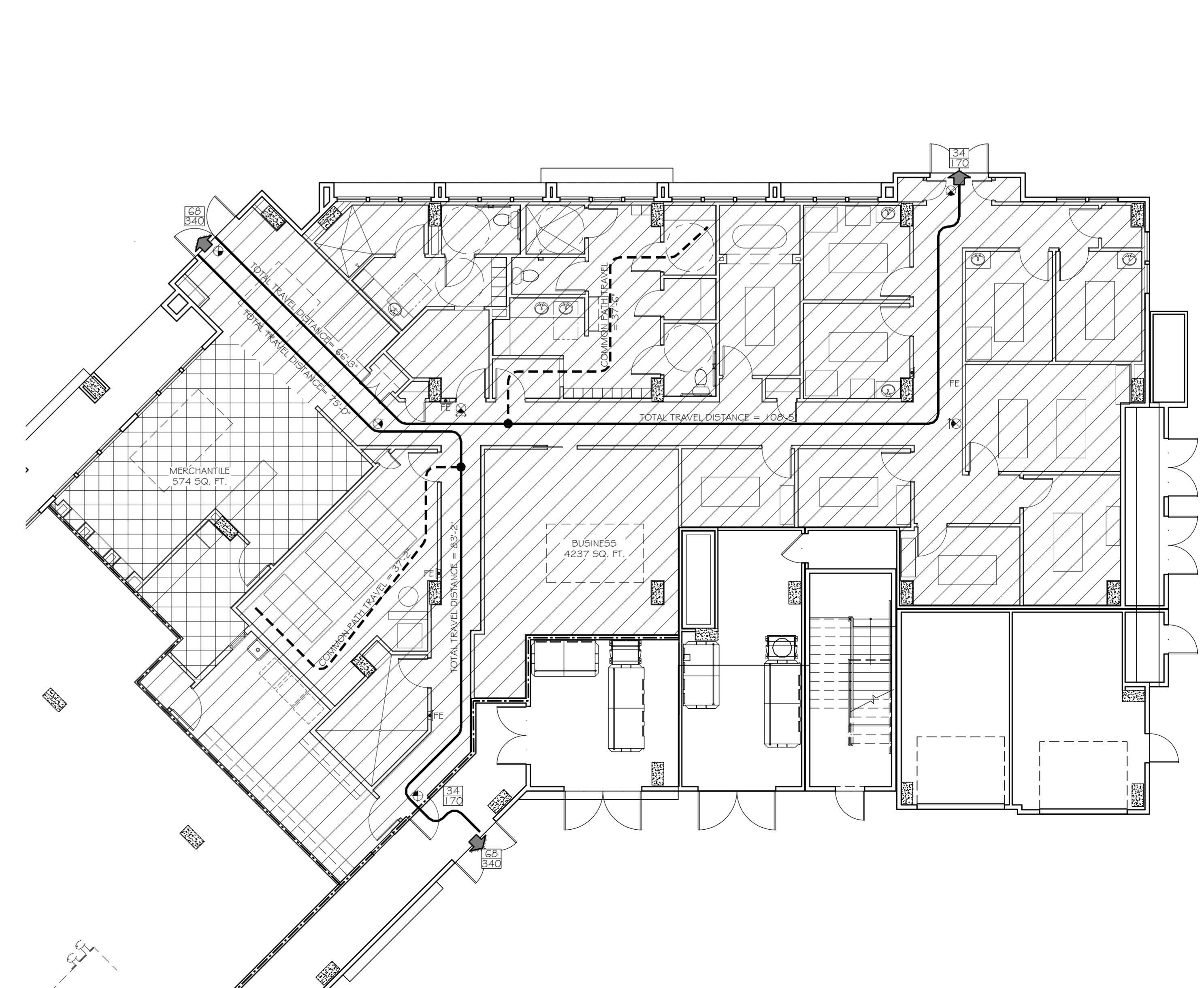
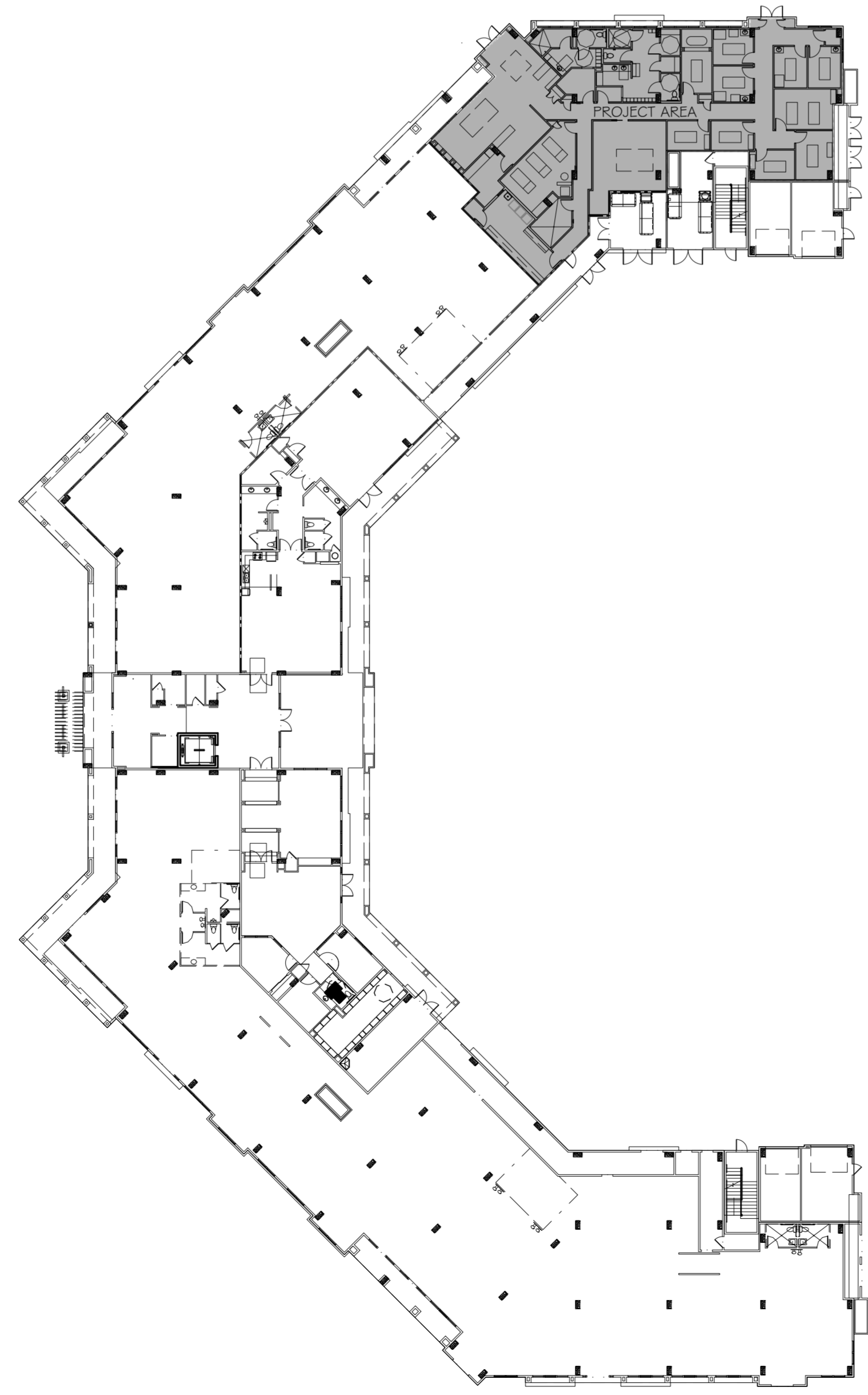
MINIMUM CORRIDOR WIDTH (SECTION 1018.1 # SECTION 1005.1):
 44"

MAXIMUM DEAD END CORRIDOR (TABLE A.7.6):
 50'

MAXIMUM COMMON PATH OF TRAVEL (TABLE A.7.6):
 M - 100' B - 100'

LEGEND

- OCCUPANCIES**
- BUSINESS
 - MERCHANTILE
- SYMBOLS**
- EXITS
 - DOOR FIRE RATING (MINUTES)
 - DOOR WIDTH/EGRESS CAPACITY
 - EXIT LIGHT
 - FIRE EXTINGUISHER CABINET
 - FIRE EXTINGUISHER W/ WALL MOUNTED BRACKET
 - ONE-HOUR RATED PARTITION
 - COMMON PATH OF TRAVEL/TRAVEL DISTANCE
 - TRAVEL DISTANCE
 - DECISION POINT



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WOODHOUSE SPA
 THE HIGH GROVE APARTMENTS
 BATON ROUGE, LA

JOB No: 2163 DATE: 5-14-2013
 DRAWN BY: KJK CHECKED BY: KJK

#	DESCRIPTION	DATE

LIFE SAFETY PLANS
 NOTES &
 TABULATIONS

SHEET No: 2 OF 15

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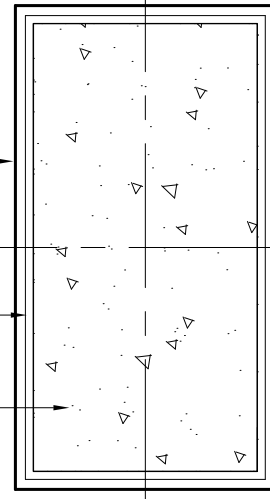
LEGEND

- ONE-HOUR RATED WALL
- EXISTING WALL TO REMAIN
- NEW WALL

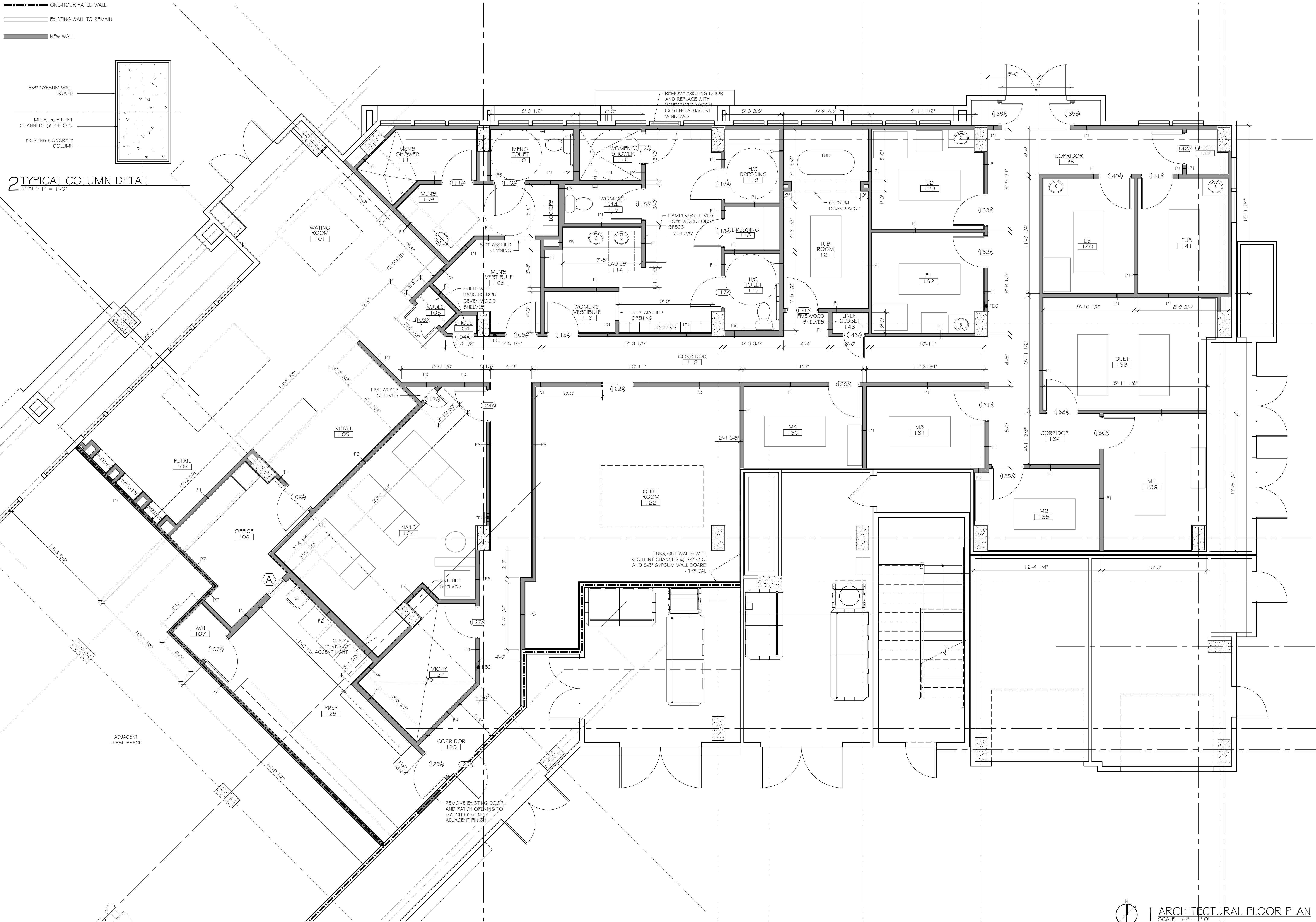
5/8" GYPSUM WALL BOARD

METAL RESILIENT CHANNELS @ 24" O.C.

EXISTING CONCRETE COLUMN



2 TYPICAL COLUMN DETAIL
SCALE: 1" = 1'-0"



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WOODHOUSE SPA
THE HIGH GROVE APARTMENTS
BATON ROUGE, LA

JOB No: 2163 DATE: 5-14-2013
DRAWN BY: KJK CHECKED BY: KJK

#	DESCRIPTION	DATE

ARCH. FLOOR PLAN

SHEET No: 3 OF 15

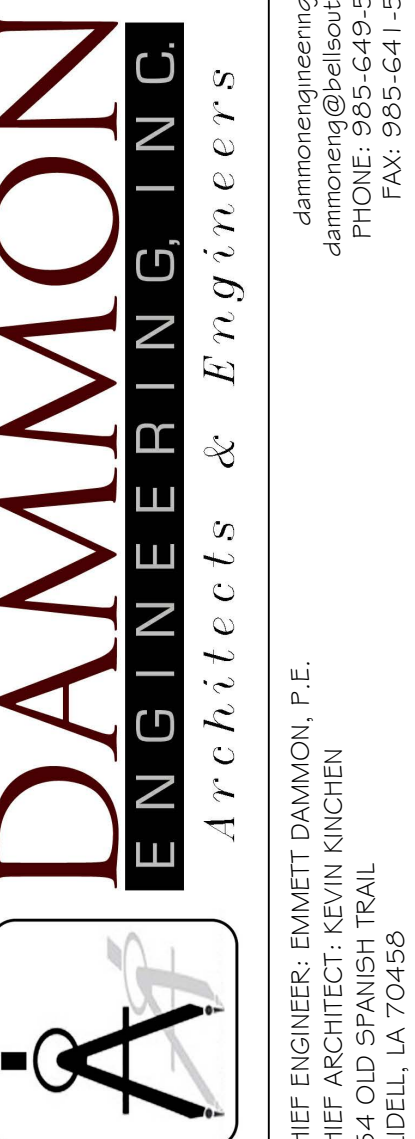
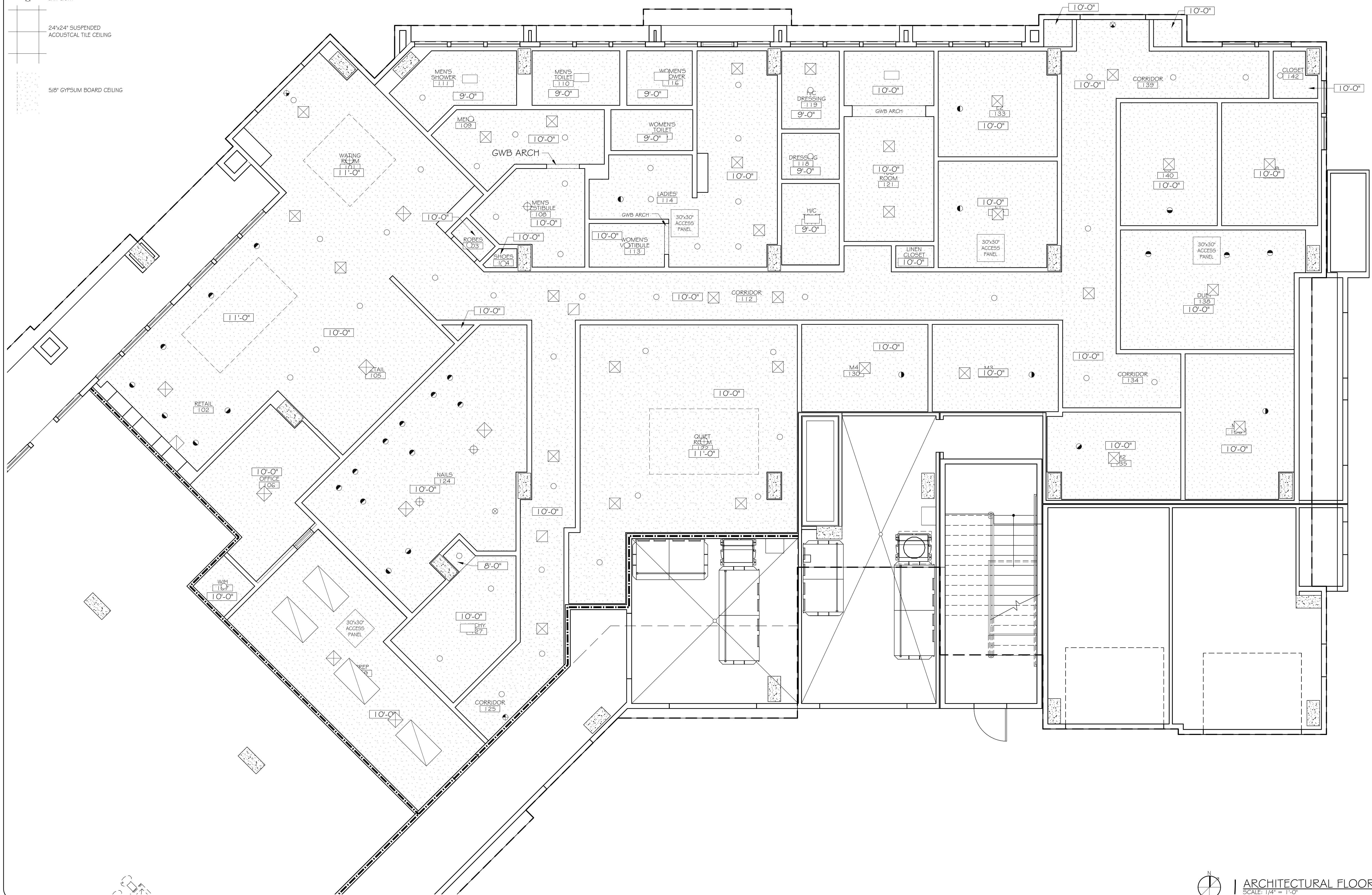
A-1

LEGEND

- RECESSED CAN LIGHT
- DIRECTIONAL RECESSED CAN LIGHT
- ⊗ PENDANT LIGHT
- ⊕ CHANDELIER
- FANLIGHT
- ⊗ EXIT LIGHT

24"x24" SUSPENDED ACOUSTICAL TILE CEILING

5/8" GYPSUM BOARD CEILING



WOODHOUSE SPA
THE HIGH GROVE APARTMENTS
BATON ROUGE, LA

#	DESCRIPTION	DATE

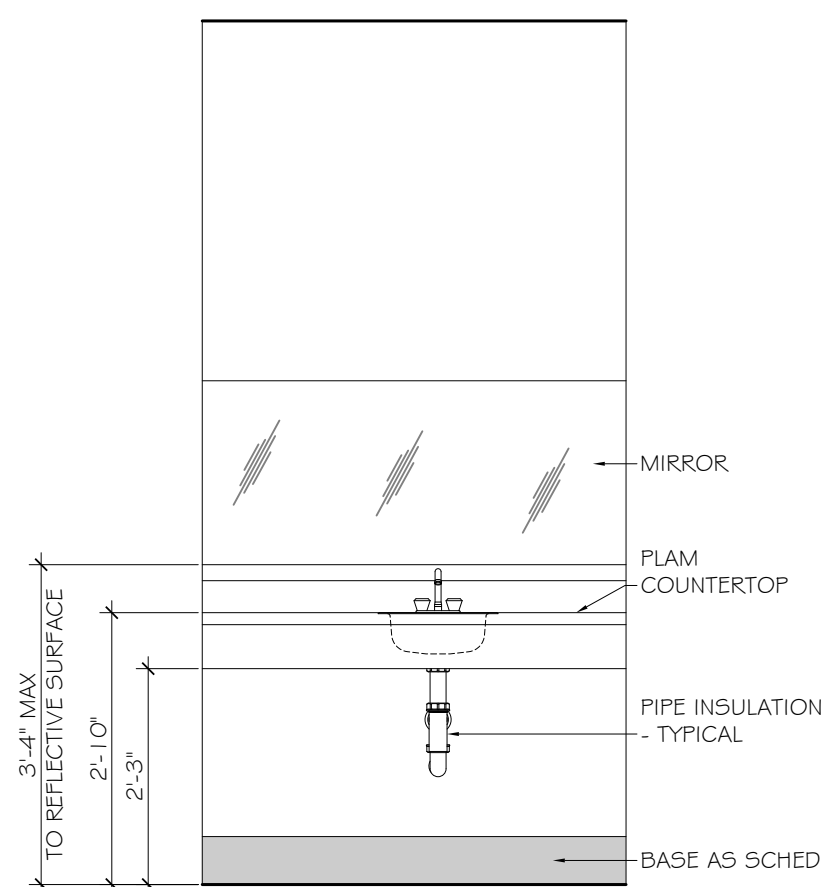
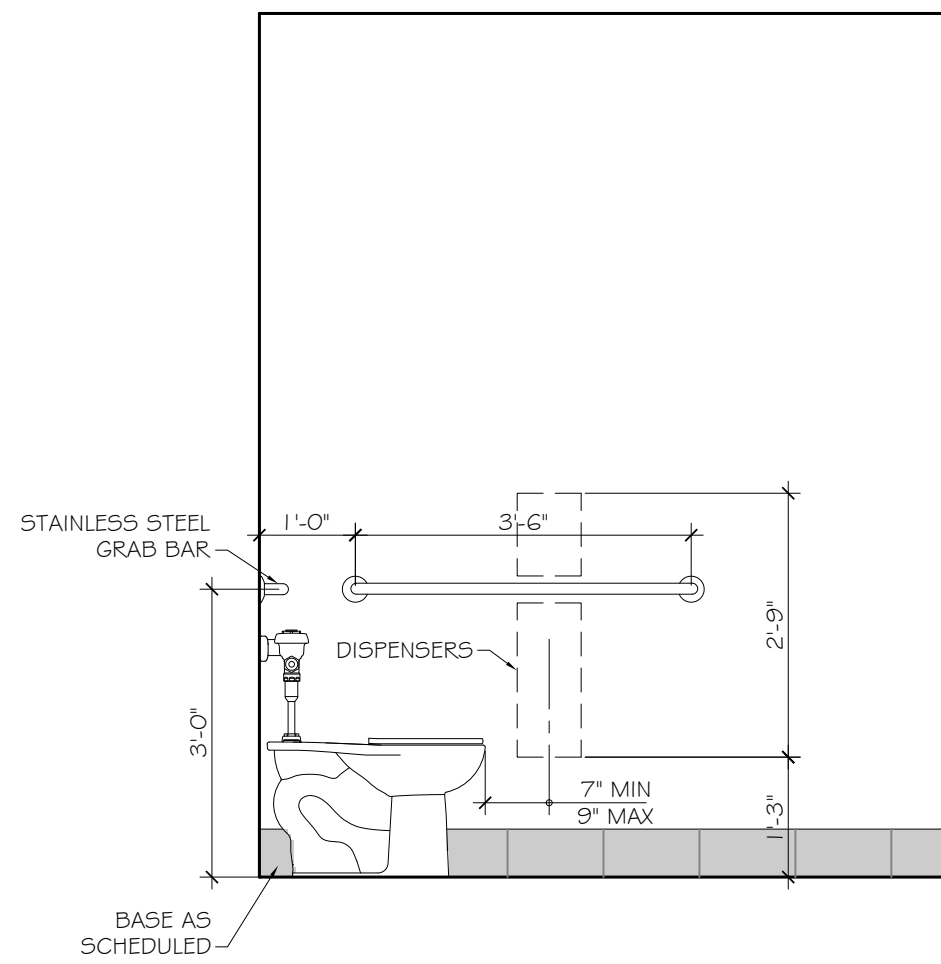
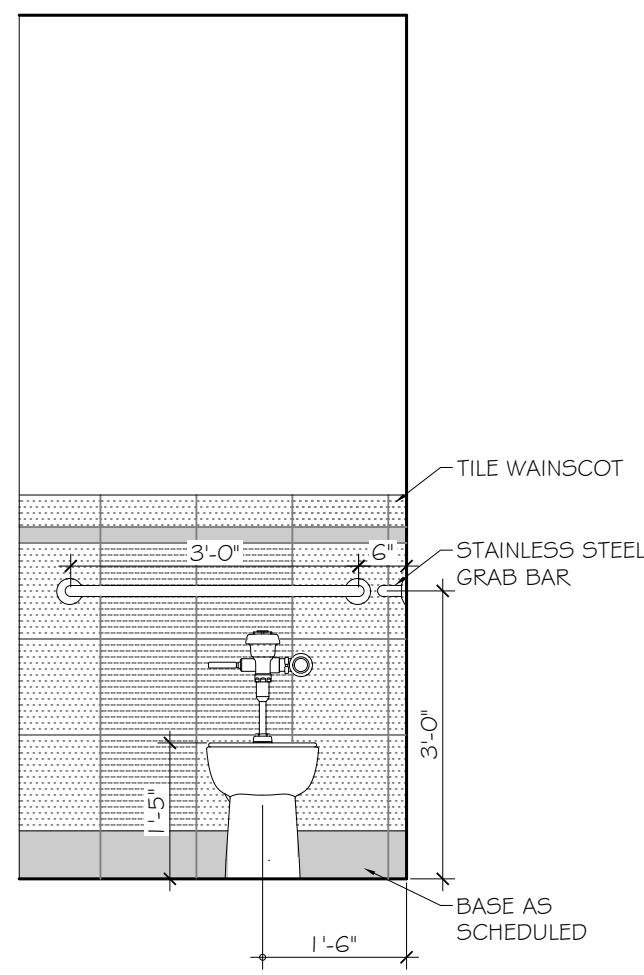
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REFLECTED CEILING PLAN

SHEET No: 4 OF 15

A-2

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5 TYPICAL INTERIOR ELEVATIONS
SCALE: 1/2" = 1'-0"

- PARTITION NOTES:**
- CEMENT BACKER BOARD SHALL BE USED AT ALL SHOWER SURROUNDS TO HEIGHT OF TILES.
 - COORDINATE CEILING FINISHES WITH REFLECTED CEILING PLAN.
 - REFER TO LIFE-SAFETY PLANS FOR RATED WALL LOCATIONS. LIFE-SAFETY PLANS SHALL BE THE FINAL DETERMINATION OF WALL FIRE-RATING.

1 HR FIRE RATED WALL DO NOT PENETRATE

THE ABOVE WORDING SHALL BE LOCATED AT 10'-0" INTERVALS ABOVE CEILINGS ON FIRE PARTITIONS NO LESS THAN ONCE FOR EACH SPACE.

PROVIDE PAINTED STENCIL LETTERING IN RED PERMANENT PAINT ABOVE CEILING LINE INDICATING WALL RATINGS.

STATE FIRE RATING INDICATED ON LIFE SAFETY PLAN.

2 RATED WALL STENCIL

SCALE: 1 1/2" = 1'-0"

ROOM	ROOM #	FLOOR	BASE	WALLS	CEILING		NOTES
					MATERIAL		
WAITING ROOM	101	VINYL	WD	PTGB	PTGB		
RETAIL	102	VINYL	WD	PTGB	PTGB		
ROBES	103	VINYL	WD	PTGB	PTGB		
SHOES	104	VINYL	WD	PTGB	PTGB		
RETAIL	105	VINYL	WD	PTGB	PTGB		
OFFICE	106	VINYL	WD	PTGB	PTGB		
W/H	107	VINYL	WD	PTGB	PTGB		
MENS VESTIBULE	108	VINYL	WD	PTGB	PTGB		
MENS	109	VINYL	WD	PTGB	PTGB		
MENS TOILET	110	VINYL	WD	PTMGB	PTMRGB		
MENS SHOWER	111	CT	CT	CT	PTMRGB	CEMENTITIOUS BACKERBOARD FOR WALLS	
CORRIDOR	112	VINYL	WD	PTGB	PTGB		
WOMENS VESTIBULE	113	VINYL	WD	PTGB	PTGB		
LADIES'	114	VINYL	WD	PTMGB	PTMRGB		
WOMENS TOILET	115	VINYL	WD	PTMGB	PTMRGB		
WOMENS SHOWER	116	CT	CT	CT	PTMRGB	CEMENTITIOUS BACKERBOARD FOR WALLS	
H/C TOILET	117	VINYL	WD	PTMGB	PTMRGB		
DRESSING	118	VINYL	WD	PTGB	PTGB		
H/C DRESSING	119	VINYL	WD	PTGB	PTGB		
TUB ROOM	121	VINYL	WD	PTMGB	PTMRGB		
QUIET ROOM	122	VINYL	WD	PTGB	PTGB		
NAILS	124	VINYL	WD	PTGB	PTGB		
CORRIDOR	125	VINYL	WD	PTGB	PTGB		
VICHY	127	CT	CT	CT/WD	MRGBWD	CEMENTITIOUS BACKERBOARD FOR WALLS. REFER TO SPECS FOR WALL FINISHES	
PREP	129	VINYL	WD	PTGB	ACT		
M4	130	VINYL	WD	PTGB	PTGB		
M3	131	VINYL	WD	PTGB	PTGB		
E1	132	VINYL	WD	PTGB	PTGB		
E2	133	VINYL	WD	PTGB	PTGB		
CORRIDOR	134	VINYL	WD	PTGB	PTGB		
M2	135	VINYL	WD	PTGB	PTGB		
M1	136	VINYL	WD	PTGB	PTGB		
DUET	138	VINYL	WD	PTGB	PTGB		
CORRIDOR	139	VINYL	WD	PTGB	PTGB		
E3	140	VINYL	WD	PTGB	PTGB		
TUB	141	VINYL	WD	PTGB	MRPTGB	REFER TO RCP	
CLOSET	142	VINYL	WD	PTGB	PTGB		
LINEN CLOSET	143	VINYL	WD	PTGB	PTGB		

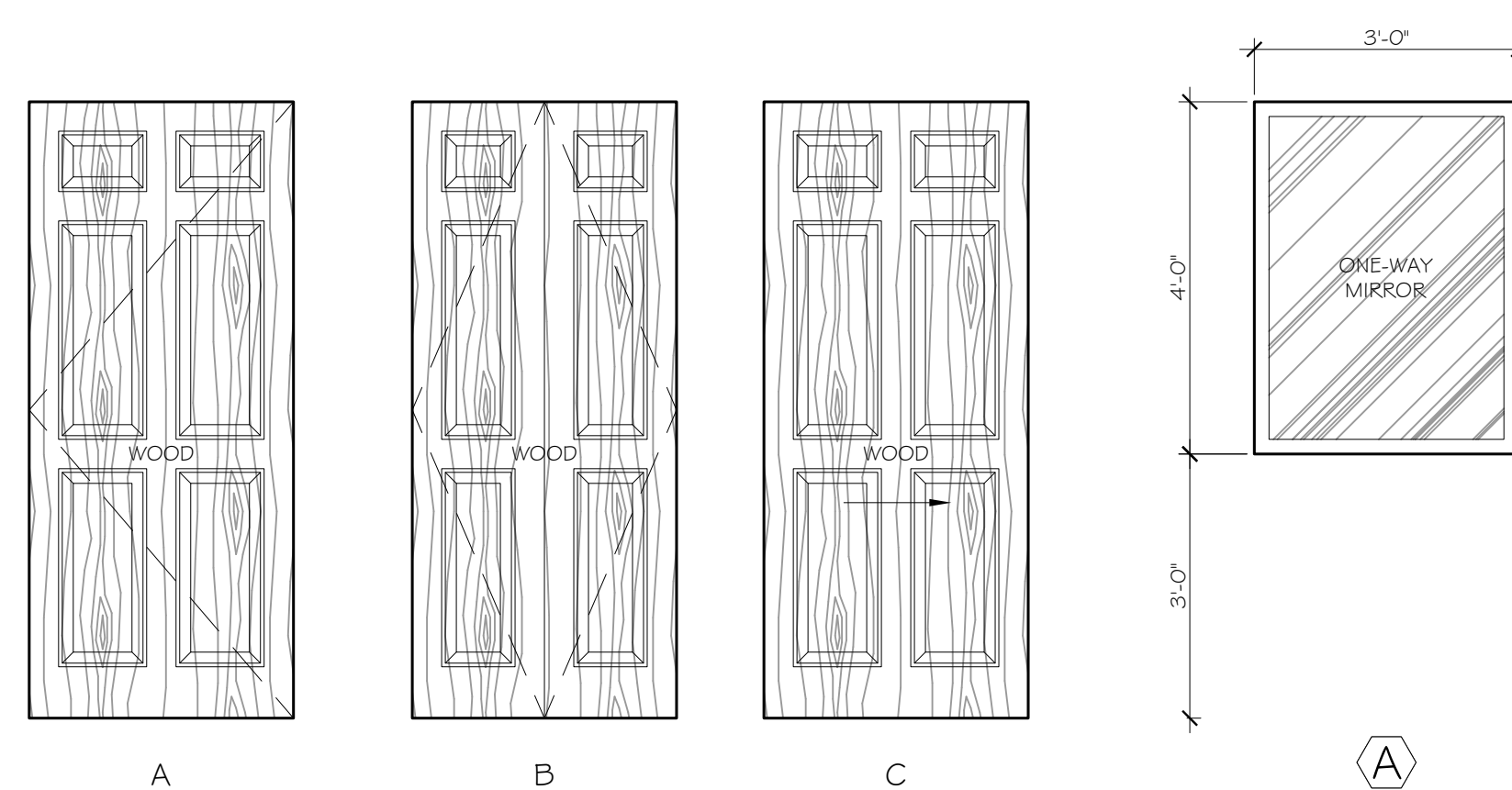
FINISH LEGEND:

- PTGB PAINTED GYPSUM WALL BOARD
- PTMRGB PAINTED MOISTURE RESISTANT GYPSUM WALL BOARD
- MRGB MOISTURE RESISTANT GYPSUM WALL BOARD
- RB RUBBER BASE
- CTB CERAMIC/PORCELAIN TILE BASE
- VINYL VINYL PLANK
- WD WOOD W/ STAIN
- CT CERAMIC/PORCELAIN TILE
- ACT SUSPENDED ACOUSTICAL CEILING TILE

DOOR SCHEDULE

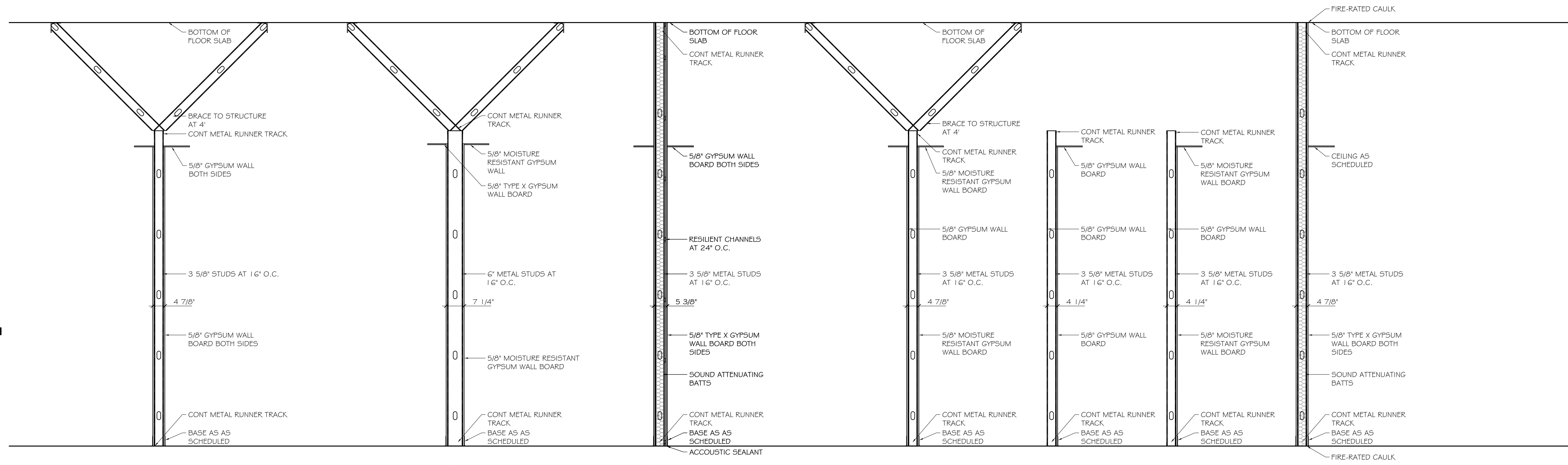
MK	SIZE	TYPE	DOOR MATERIAL	FRAME MATERIAL	FR	REMARKS
103A	2'-11 1/2" x 8'-0" x 1 3/4"	B	WOOD	WOOD	NR	
104A	2'-0" x 8'-0" x 1 3/4"	A	WOOD	WOOD	NR	
106A	3'-0" x 8'-0" x 1 3/4"	A	WOOD	WOOD	NR	
107A	3'-0" x 8'-0" x 1 3/4"	A	WOOD	WOOD	NR	
108A	3'-0" x 8'-0" x 1 3/4"	A	WOOD	WOOD	NR	
110A	3'-0" x 8'-0" x 1 3/4"	A	WOOD	WOOD	NR	
111A	3'-0" x 8'-0" x 1 3/4"	A	WOOD	WOOD	NR	
112A	3'-0" x 8'-0" x 1 3/4"	A	WOOD	WOOD	NR	
113A	3'-0" x 8'-0" x 1 3/4"	A	WOOD	WOOD	NR	
115A	3'-0" x 8'-0" x 1 3/4"	A	WOOD	WOOD	NR	
116A	3'-0" x 8'-0" x 1 3/4"	A	WOOD	WOOD	NR	
117A	3'-0" x 8'-0" x 1 3/4"	A	WOOD	WOOD	NR	
118A	2'-8" x 8'-0" x 1 3/4"	A	WOOD	WOOD	NR	
119A	3'-0" x 8'-0" x 1 3/4"	A	WOOD	WOOD	NR	
121A	3'-0" x 8'-0" x 1 3/4"	A	WOOD	WOOD	NR	
122A	3'-0" x 8'-0" x 1 3/4"	C	WOOD	WOOD	NR	POCKET
124A	3'-0" x 8'-0" x 1 3/4"	A	WOOD	WOOD	NR	
125A	3'-0" x 8'-0" x 1 3/4"	A	WOOD	WOOD	NR	
127A	3'-0" x 8'-0" x 1 3/4"	A	WOOD	WOOD	NR	
129A	3'-0" x 8'-0" x 1 3/4"	A	WOOD	WOOD	NR	
130A	3'-0" x 8'-0" x 1 3/4"	A	WOOD	WOOD	NR	
131A	3'-0" x 8'-0" x 1 3/4"	A	WOOD	WOOD	NR	
132A	3'-0" x 8'-0" x 1 3/4"	A	WOOD	WOOD	NR	
133A	3'-0" x 8'-0" x 1 3/4"	A	WOOD	WOOD	NR	
135A	3'-0" x 8'-0" x 1 3/4"	A	WOOD	WOOD	NR	
136A	3'-0" x 8'-0" x 1 3/4"	A	WOOD	WOOD	NR	
138A	3'-0" x 8'-0" x 1 3/4"	A	WOOD	WOOD	NR	
139A	2'-0" x 8'-0" x 1 3/4"	A	WOOD	WOOD	NR	
139B	2'-0" x 8'-0" x 1 3/4"	A	WOOD	WOOD	NR	
140A	3'-0" x 8'-0" x 1 3/4"	A	WOOD	WOOD	NR	
141A	3'-0" x 8'-0" x 1 3/4"	A	WOOD	WOOD	NR	
143A	2'-0" x 8'-0" x 1 3/4"	A	WOOD	WOOD	NR	

GENERAL DOOR NOTE:
1. ALL INTERIOR DOORS SHALL BE UNDERCUT BY 1".



4 DOOR TYPES
SCALE: 1/2" = 1'-0"

3 WINDOW TYPE
SCALE: 1/2" = 1'-0"



5TC 50 - 54

P-7 - 1 HOUR FIRE-RATED U/L# U465
7 PARTITION TYPES
SCALE: 1/2" = 1'-0"

DAMMON ENGINEERING, INC.
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WOODHOUSE SPA
THE HIGH GROVE APARTMENTS
BATON ROUGE, LA

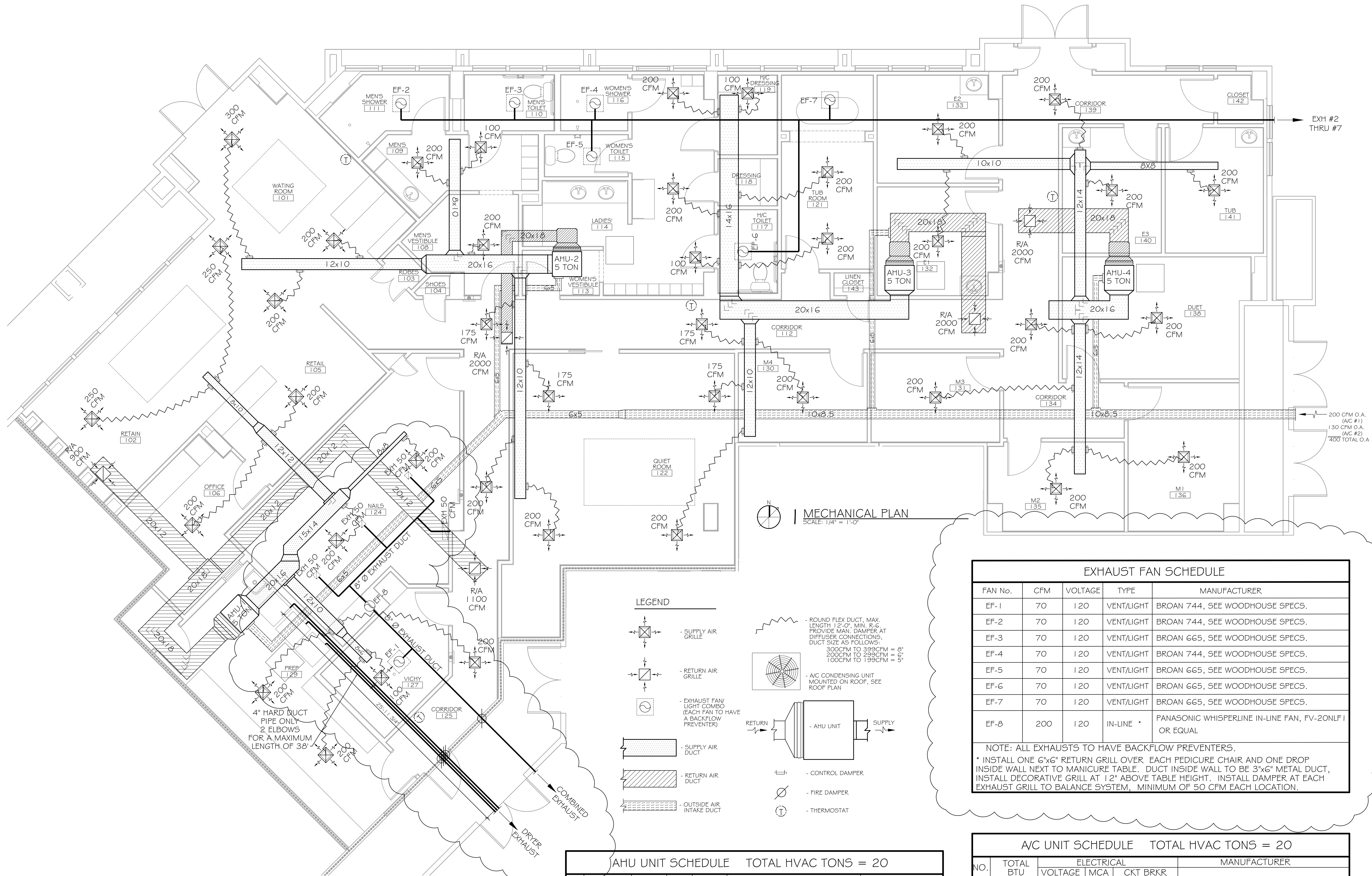
JOB No: 2163 DATE: 2/4/2013 CHECKED BY: KJK
DRAWN BY: KJK

#	DESCRIPTION	DATE

OPENINGS, PARTITIONS, INTERIOR ELEVATIONS

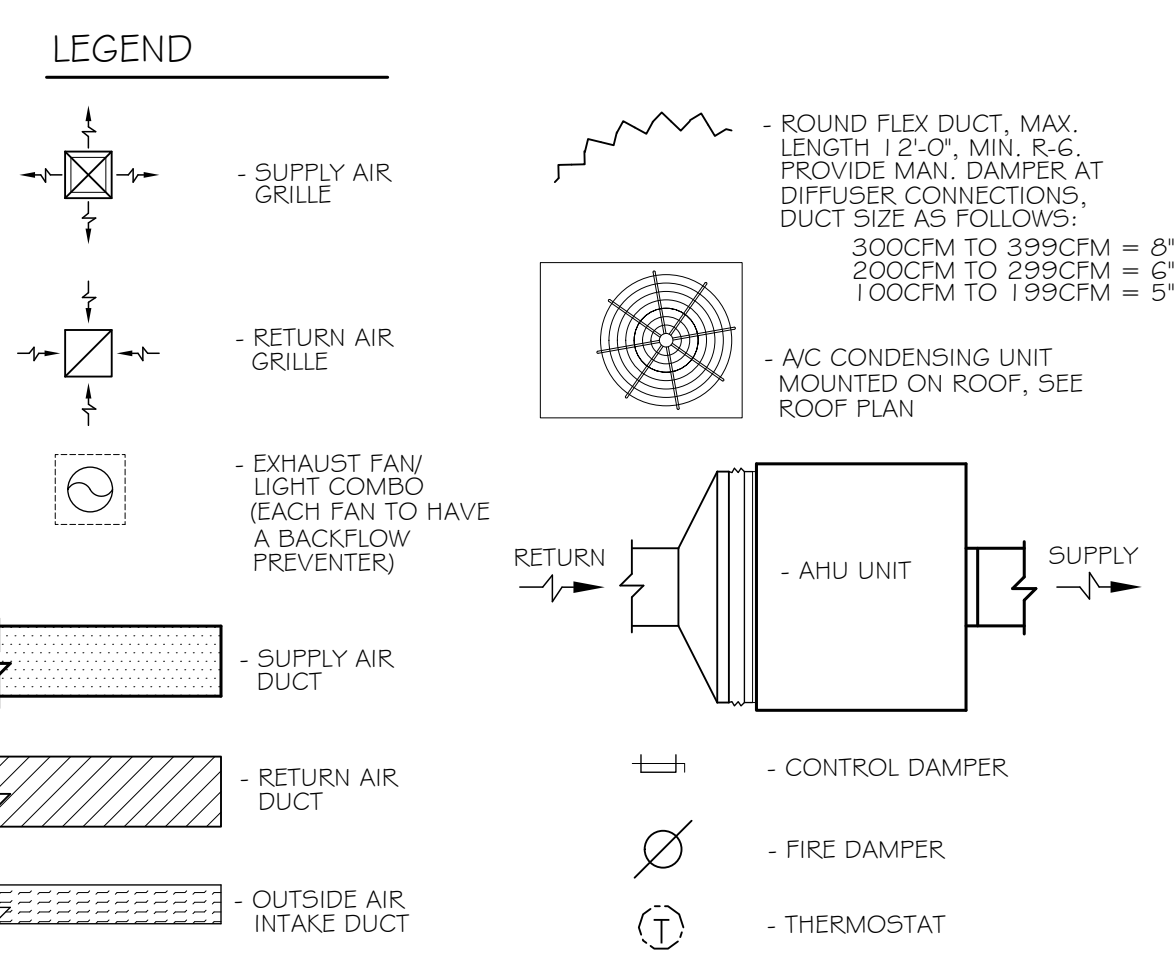
SHEET No: 5 OF 15

A-3



NOTE-1: MECHANICAL PLAN IS DRAWN DIAGRAMATIC. DUCT LOCATIONS ARE FOR REFERENCE ONLY. FIELD LOCATE AS NEEDED BETWEEN JOISTS OR TRUSSES. INSTALL FIRE DAMPER AT ANY LOCATION WHERE DUCT PENETRATES A FIRE WALL OR CEILING. ANY EXHAUST FAN FIXTURE INSTALLED IN A RATED CEILING SHALL BE RATED FOR THAT CEILING. REFER TO MECHANICAL NOTES # DETAILS ON SHEET M-2 FOR FURTHER INFORMATION.

NOTE-2: COORDINATE LOCATION OF ALL SUPPLY AIR DIFFUSERS, RETURN AIR GRILLES, EXHAUST FANS, ETC... WITH LIGHTING PLAN.



NO.	TOTAL BTU	CFM	O.A.	HEAT ELEC.	ELECTRICAL		MANUFACTURER	
					VOLTAGE	MCA		
1	60,000 5 TON	2,000	200	15 KW	208V, 1Ø	48/22	MDP-1,3	TRANE OR EQUAL
2	60,000 5 TON	2,000	200	15 KW	208V, 1Ø	48/22	MDP-5,7	
3	60,000 5 TON	2,000	200	15 KW	208V, 1Ø	48/22	MDP-9,11	
4	60,000 5 TON	2,000	200	15 KW	208V, 1Ø	48/22	MDP-13,15	

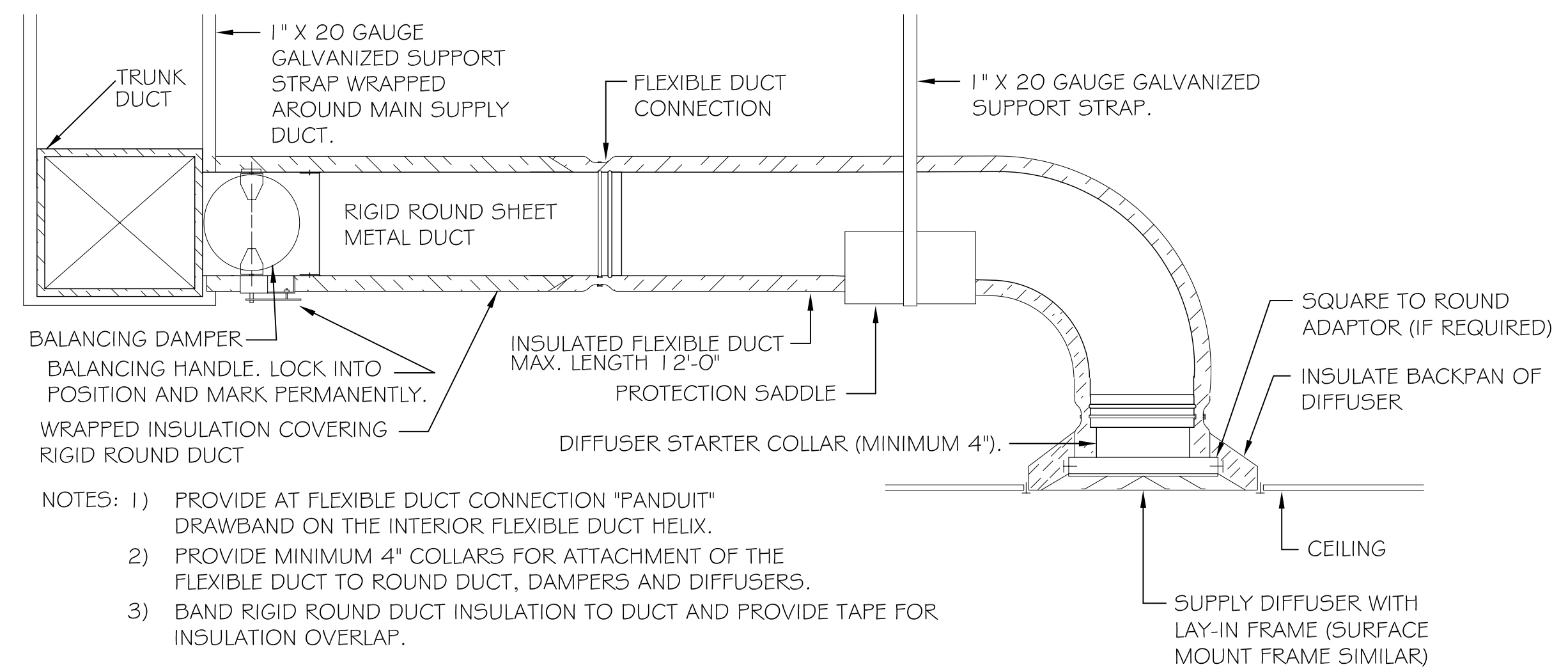
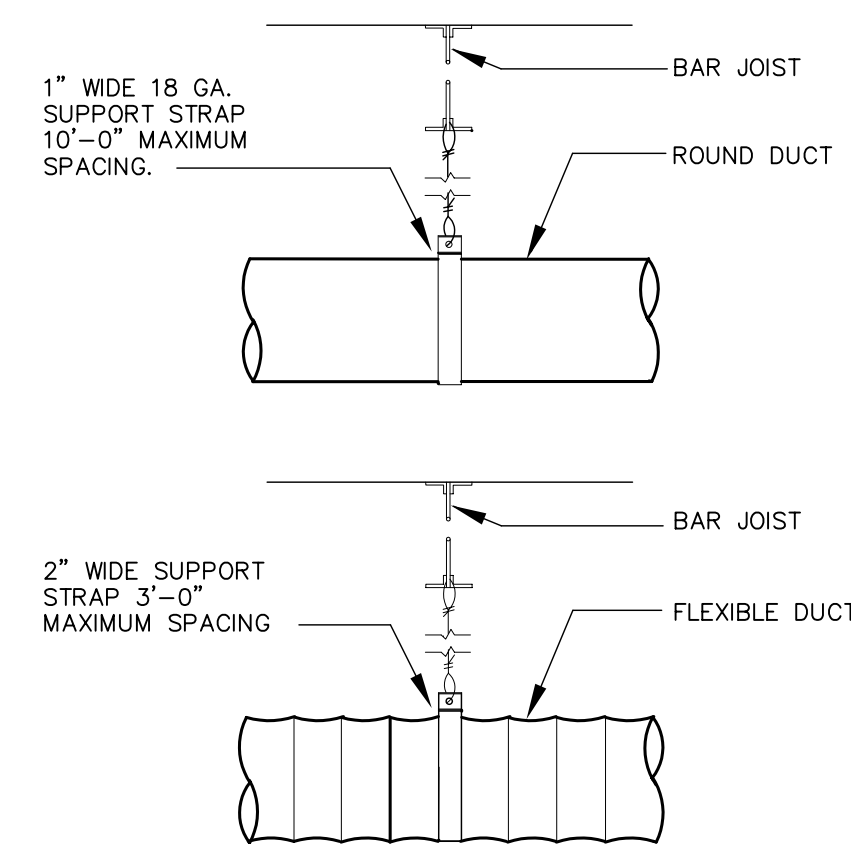
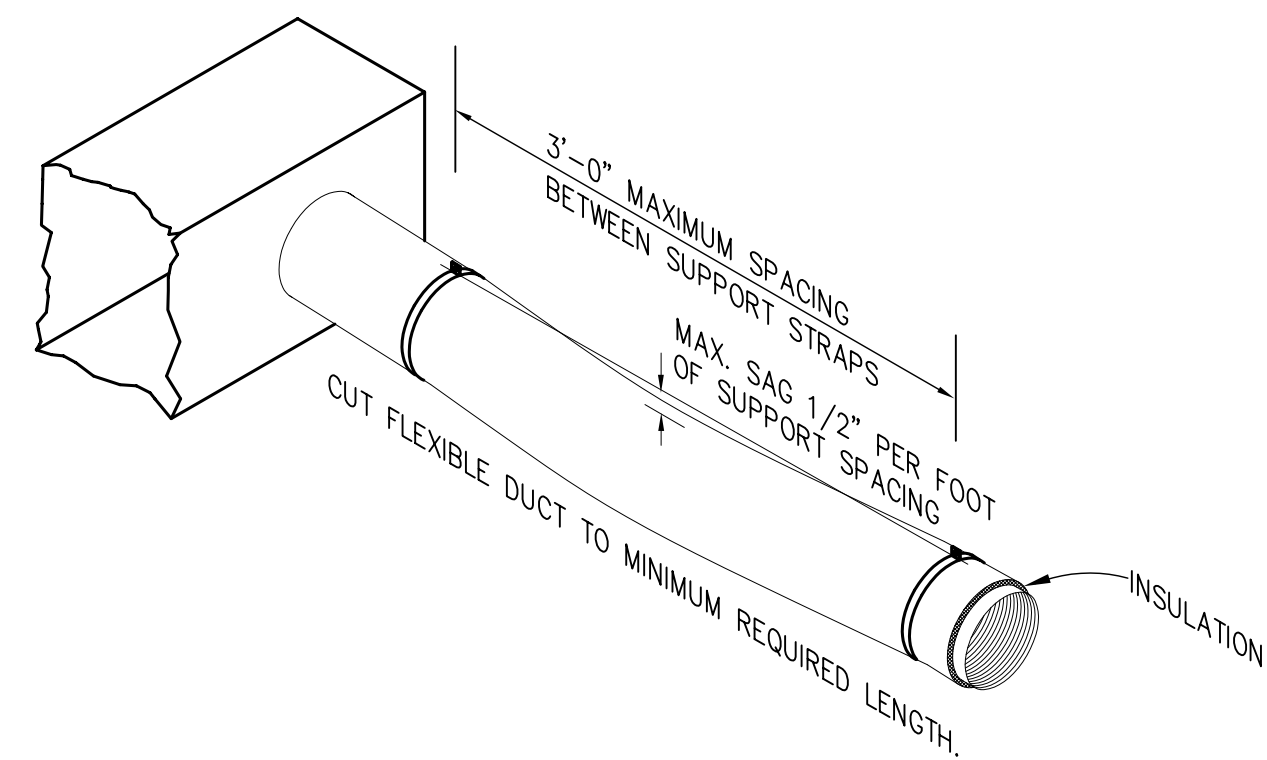
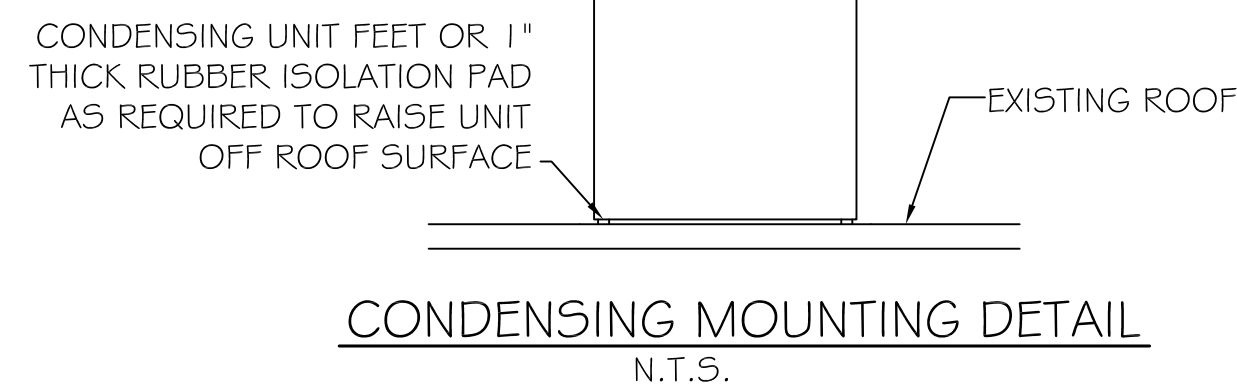
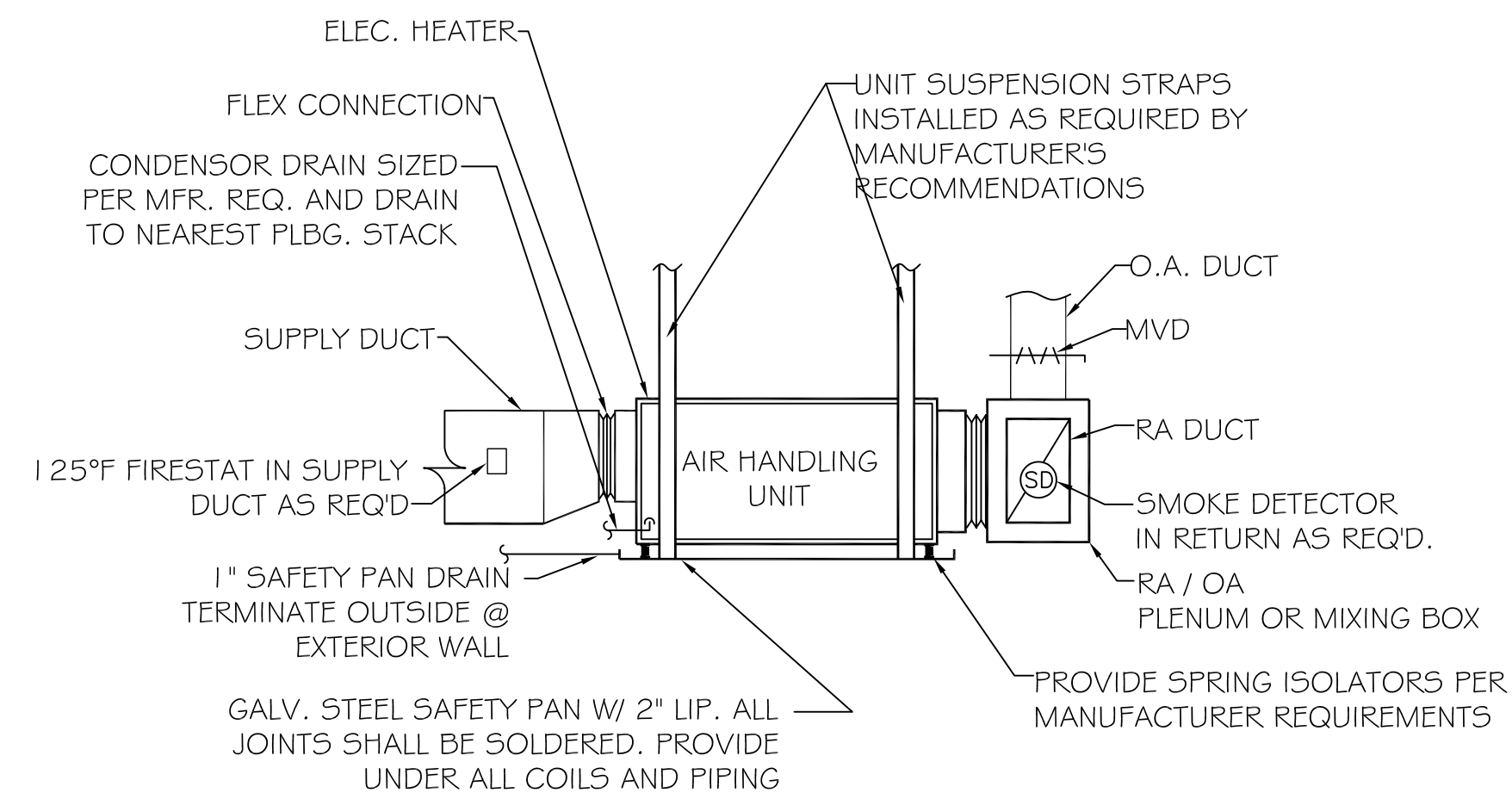
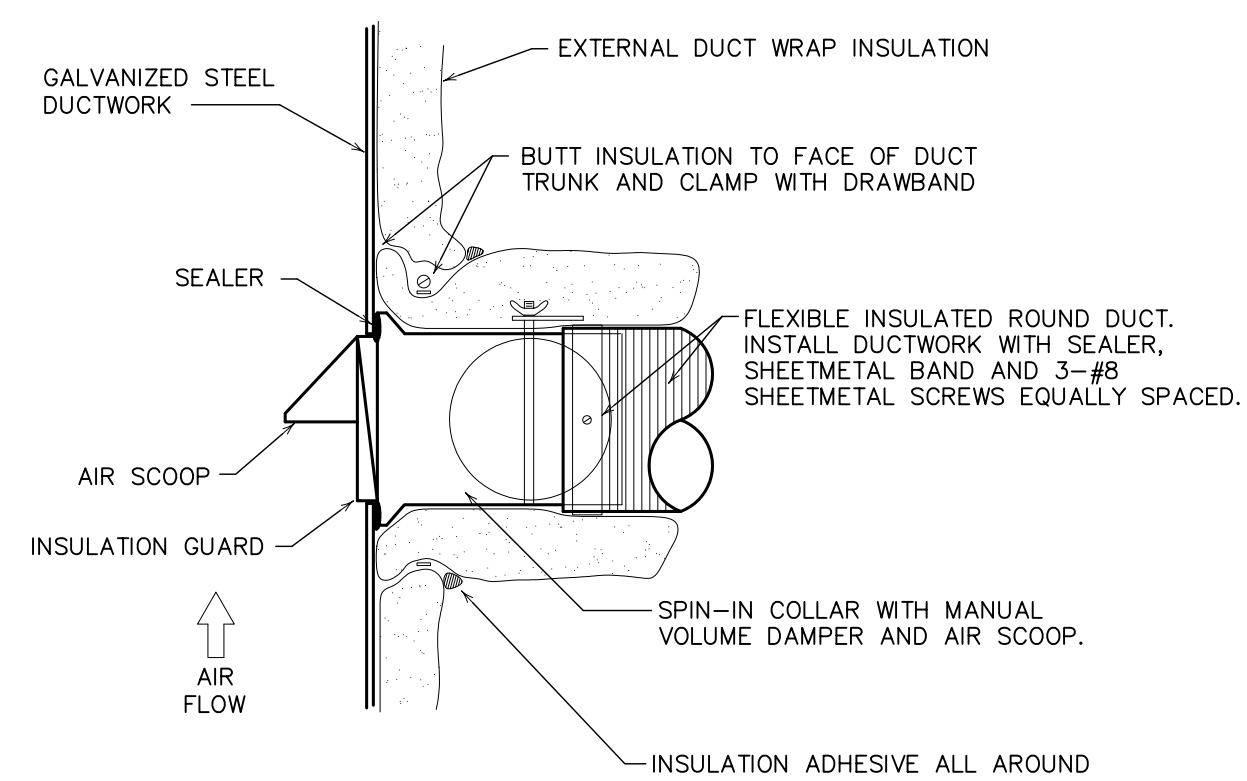
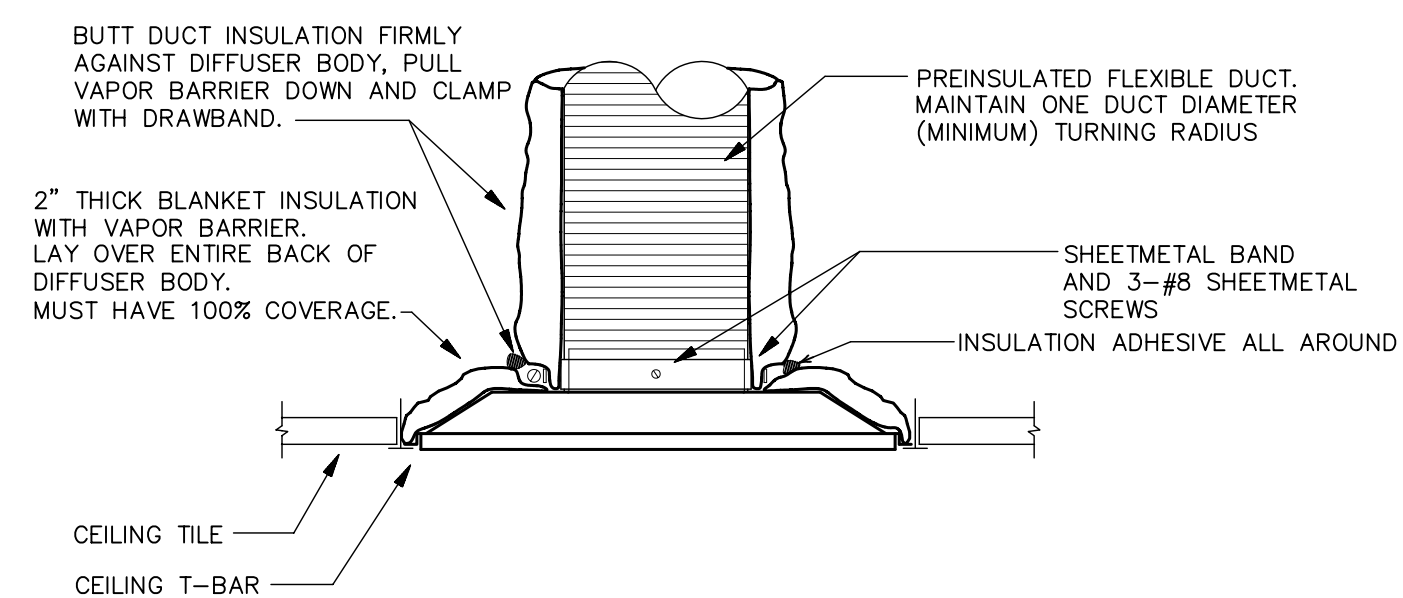
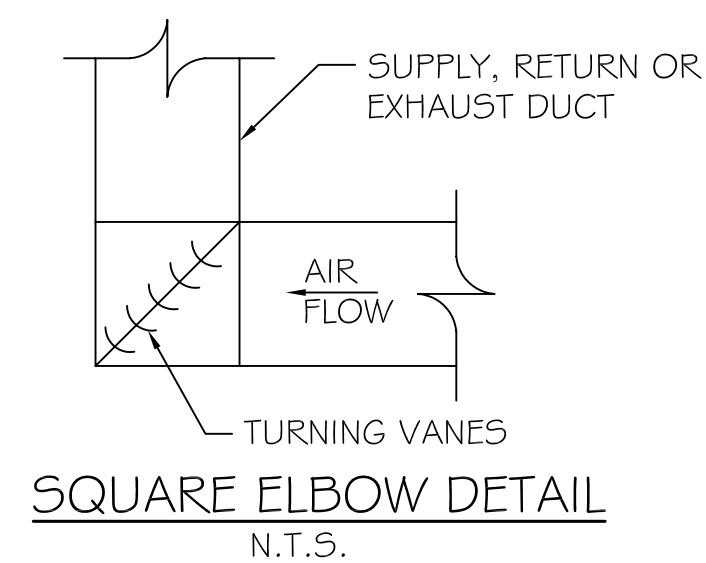
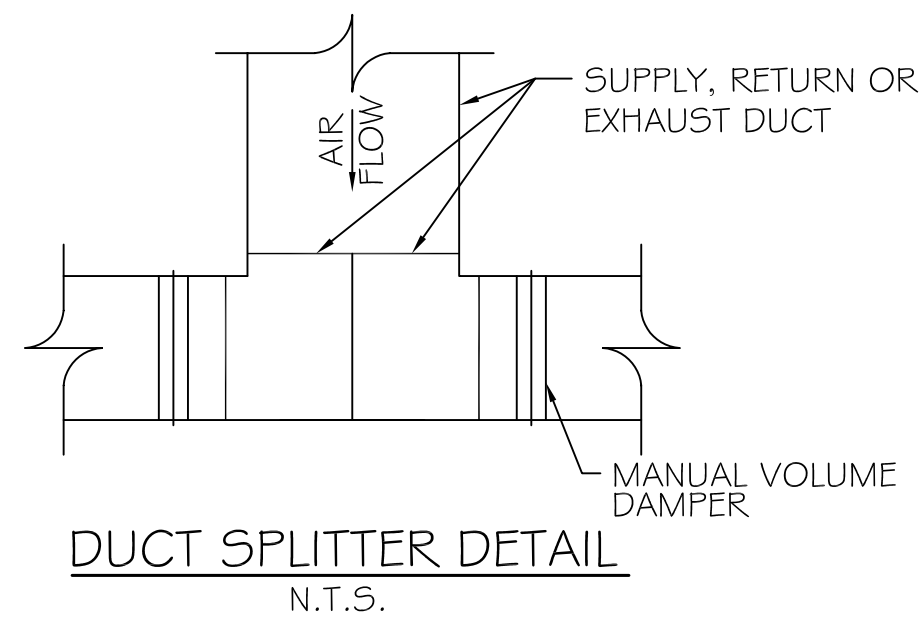
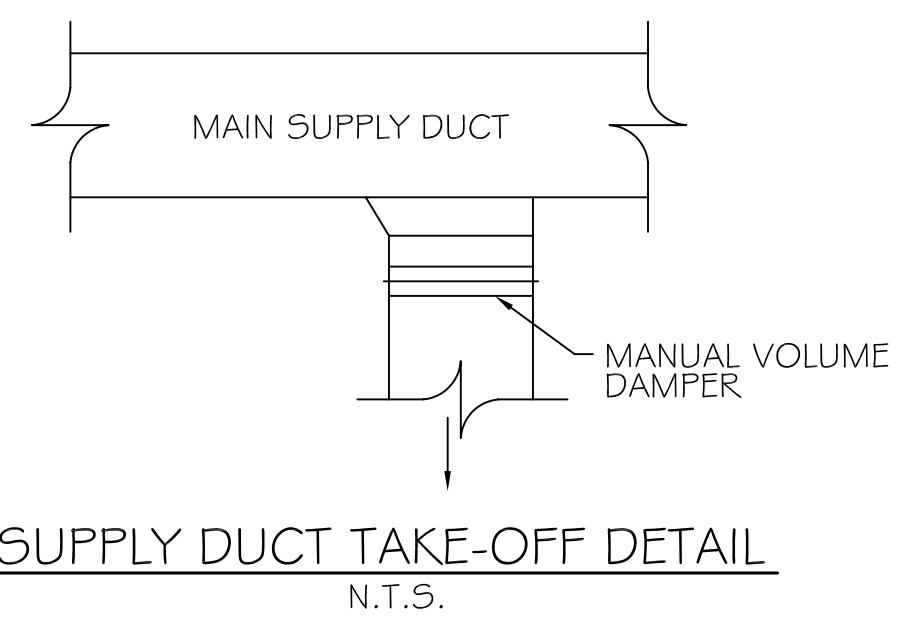
FAN No.	CFM	VOLTAGE	TYPE	MANUFACTURER
EF-1	70	120	VENT/LIGHT	BROAN 744, SEE WOODHOUSE SPECS.
EF-2	70	120	VENT/LIGHT	BROAN 744, SEE WOODHOUSE SPECS.
EF-3	70	120	VENT/LIGHT	BROAN 665, SEE WOODHOUSE SPECS.
EF-4	70	120	VENT/LIGHT	BROAN 744, SEE WOODHOUSE SPECS.
EF-5	70	120	VENT/LIGHT	BROAN 665, SEE WOODHOUSE SPECS.
EF-6	70	120	VENT/LIGHT	BROAN 665, SEE WOODHOUSE SPECS.
EF-7	70	120	VENT/LIGHT	BROAN 665, SEE WOODHOUSE SPECS.
EF-8	200	120	IN-LINE	PANASONIC WHISPERLINE IN-LINE FAN, FV-20NLF1 OR EQUAL

NOTE: ALL EXHAUSTS TO HAVE BACKFLOW PREVENTERS.
 * INSTALL ONE 6"x6" RETURN GRILL OVER EACH PEDICURE CHAIR AND ONE DROP INSIDE WALL NEXT TO MANICURE TABLE. DUCT INSIDE WALL TO BE 3"x6" METAL DUCT, INSTALL DECORATIVE GRILL AT 12" ABOVE TABLE HEIGHT. INSTALL DAMPER AT EACH EXHAUST GRILL TO BALANCE SYSTEM, MINIMUM OF 50 CFM EACH LOCATION.

NO.	TOTAL BTU	ELECTRICAL		MANUFACTURER
		VOLTAGE	MCA	
1	60,000 5 TON	208V, 1Ø	34.6	TRANE OR EQUAL
2	60,000 5 TON	208V, 1Ø	34.6	
3	60,000 5 TON	208V, 1Ø	34.6	
4	60,000 5 TON	208V, 1Ø	34.6	

#	DESCRIPTION	DATE	REVISION #
1	REVISION #1	5/23/2013	
2	REVISION #2, ADD NAIL EXHAUST	7/29/2013	

JOB No: 2163 DATE: 5/14/2013
 DRAWN BY: KJK/JTL CHECKED BY: KJK



- NOTES:
- 1) PROVIDE AT FLEXIBLE DUCT CONNECTION "PANDUIT" DRAWBAND ON THE INTERIOR FLEXIBLE DUCT HELIX.
 - 2) PROVIDE MINIMUM 4" COLLARS FOR ATTACHMENT OF THE FLEXIBLE DUCT TO ROUND DUCT, DAMPERS AND DIFFUSERS.
 - 3) BAND RIGID ROUND DUCT INSULATION TO DUCT AND PROVIDE TAPE FOR INSULATION OVERLAP.

- HVAC NOTES**
1. CONCEALED DUCTWORK TO BE GALVANIZED SHEET METAL LINED WITH FIBROUS GLASS DUCT LINER, MIN R-6. INSTALLED PER SMACNA STANDARDS.
 2. EXPOSED DUCTWORK TO BE GALVANIZED SHEET METAL LINED WITH FIBROUS GLASS DUCT LINER, MIN R-6. INSTALLED PER SMACNA STANDARDS.
 3. ROUND FLEXIBLE DUCT TO BE UL-181, CLASS 1, AIR DUCT MATERIALS.
 4. DUCT SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS.
 5. IN ALL SYSTEMS OVER 2000 CFM AND LESS THAN 15,000 CFM, SMOKE DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72E IN THE RETURN DUCT DOWNSTREAM OF THE AIR HANDLING UNIT AND ALL FILTERS TO AUTOMATICALLY STOP THE FAN.
 6. PROVIDE U.L. LISTED 125°F FIRESTAT IN RETURN AIR OF EACH SYSTEM UNDER 2000 CFM TO SHUT DOWN THE FAN IN THE EVENT OF FIRE.
 7. PROVIDE U.L. RATED FIRE DAMPERS WHERE REQUIRED AT ALL DUCT PENETRATIONS OF FIRE-RATED ASSEMBLIES AND WHERE REQUIRED BY CODE, INCLUDING OUTSIDE AIR INTAKES.
 8. CONDENSATE DRAINS TO BE PVC PIPE RUN TO PLUMBERS P-TRAP WITHIN FIVE FEET OF AIR HANDLING UNITS.
 9. ALL AIR HANDLING SYSTEMS TO BE BALANCED TO ASSURE PROPER AIR FLOWS PER PLANS.
 10. ALL THERMOSTATS TO BE AUTOMATIC CHANGEOVER WITH HEAT SWITCH.
 11. EXHAUST FAN EQUAL TO BROAN MODEL NO. 70 CF. SEE WOODHOUSE SPECIFICATIONS. FAN SHALL BE CONTROLLED BY A SWITCH ON THE WALL IN THE SAME LOCATION AS LIGHT SWITCH(S). PROVIDE BACK DRAFT DAMPER.
 12. PROVIDE AND INSTALL WATER PROOF GRILLE VENT IN PROPER ROOF LOCATION FOR PLUMBING FIXTURE EXHAUST.
 13. ALL SUPPLY AIR VENTS SHALL BE EQUIPPED WITH AIR CONTROL DAMPERS.
 14. LOCATE OUTDOOR UNITS AS SHOWN ON ARCH. DWGS.
 15. REFRIGERANT LINES SHALL BE SIZED BY UNIT MANUFACTURER AND INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
 16. FRESH AIR SHALL BE SUPPLIED TO EACH AIR HANDLER THROUGH EXTERIOR WALL DUCT SUPPLIED WITH A CONTROL DAMPER.
 17. INSTALL FIRE DAMPER WHERE S.A. & R.A. DUCTS PENETRATE 1 HOUR RATED CEILINGS.
 18. ALL ELECTRICAL, MECHANICAL, AND PLUMBING PENETRATING FIRE WALLS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E8-14).
 19. ALL MECHANICAL SYMBOLS ARE DRAWN DIAGRAMMATICALLY. CONTRACTOR TO VERIFY WITH OWNER LOCATIONS OF VENTS, DAMPERS, REGISTERS, ETC.
 20. FLEXIBLE DUCTWORK LENGTH NOT TO EXCEED 12'-0".
 21. REFER TO REFLECTED CEILING PLAN FOR FINAL GRILLE AND DIFFUSER LOCATIONS AND COORDINATE AS REQUIRED.
 22. FINAL LOCATION OF TEMPERATURE CONTROLS TO BE COORDINATED WITH OWNER AT JOB SITE.
 23. PROVIDE AND INSTALL SMOKE DETECTORS AS APPROVED BY LOCAL AHJ'S. PLACE NEAR R/A AND S/A OPENINGS OF AHU AND PROVIDE, WITH ACCESS PANEL, WIRING BY ELECTRICAL CONTRACTOR.
 24. FRESH AIR INTAKES ARE REQUIRED TO HAVE MOTORIZED OR GRAVITY DAMPERS TO SHUT OFF WHEN SYSTEM IS NOT RUNNING. ALL THERMOSTATS MUST BE PROGRAMMABLE. SEE SECTIONS 502.4.4 OR 503.2.4.3 OF THE 2009 INTERNATIONAL ENERGY CODE.

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WOODHOUSE SPA
THE HIGH GROVE APARTMENTS
BATON ROUGE, LA

DATE: 5/23/2013

REVISIONS

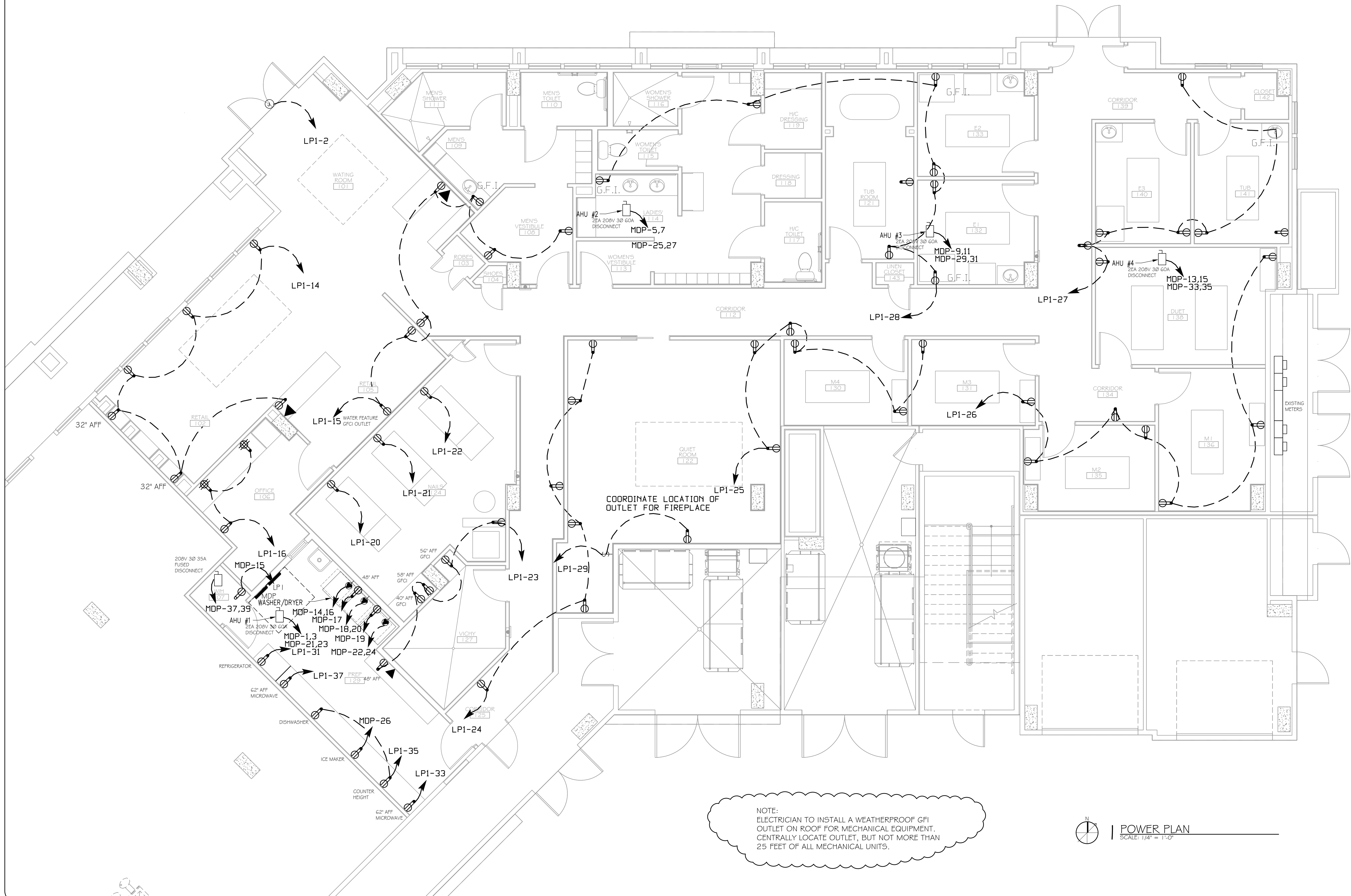
#	DESCRIPTION	DATE
1	REVISION #1	5/23/2013

JOB No: 2163 DATE: 5/14/2013 CHECKED BY: KJK
DRAWN BY: JTL

MECHANICAL DETAILS

SHEET No: 8 OF 15

M-2



NOTE:
ELECTRICIAN TO INSTALL A WEATHERPROOF GFI
OUTLET ON ROOF FOR MECHANICAL EQUIPMENT.
CENTRALLY LOCATE OUTLET, BUT NOT MORE THAN
25 FEET OF ALL MECHANICAL UNITS.

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

WOODHOUSE SPA
THE HIGH GROVE APARTMENTS
BATON ROUGE, LA

#	DESCRIPTION	DATE
1	REVISION #1	5/23/2013
2	REVISION #2, ADD HVAC OUTLET	7/29/2013

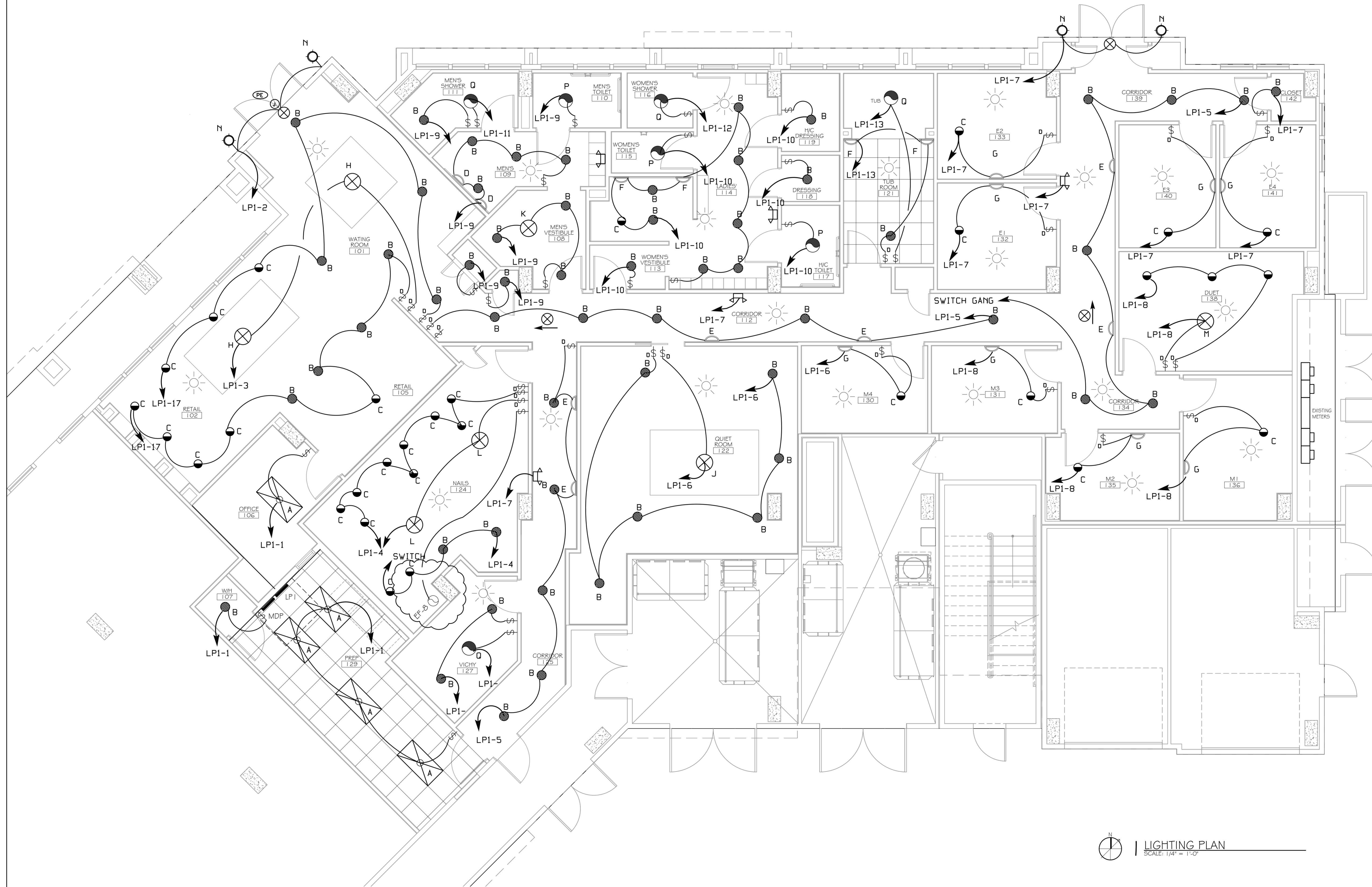
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DRAWN BY:	JCT	CHECKED BY:	KJK

POWER PLAN

SHEET No: 9 OF 15

E-1

NOTE: ALL LIGHT FIXTURES AND LUMINAIRES ARE TO BE DIMMABLE AND CONNECTED TO A SLIDING DIMMER PACK, EXCEPT: OFFICE, MECHANICAL RM AND CLOSETS.



#	DESCRIPTION	DATE
1	REVISION #1	5/23/2013
2	REVISION #2, ADD NAIL EXHAUST	7/29/2013

JOB No: 2163 DATE: 5/14/2013
DRAWN BY: KJK CHECKED BY: KJK

LIGHTING PLAN

SHEET No: 10 OF 15

E-2

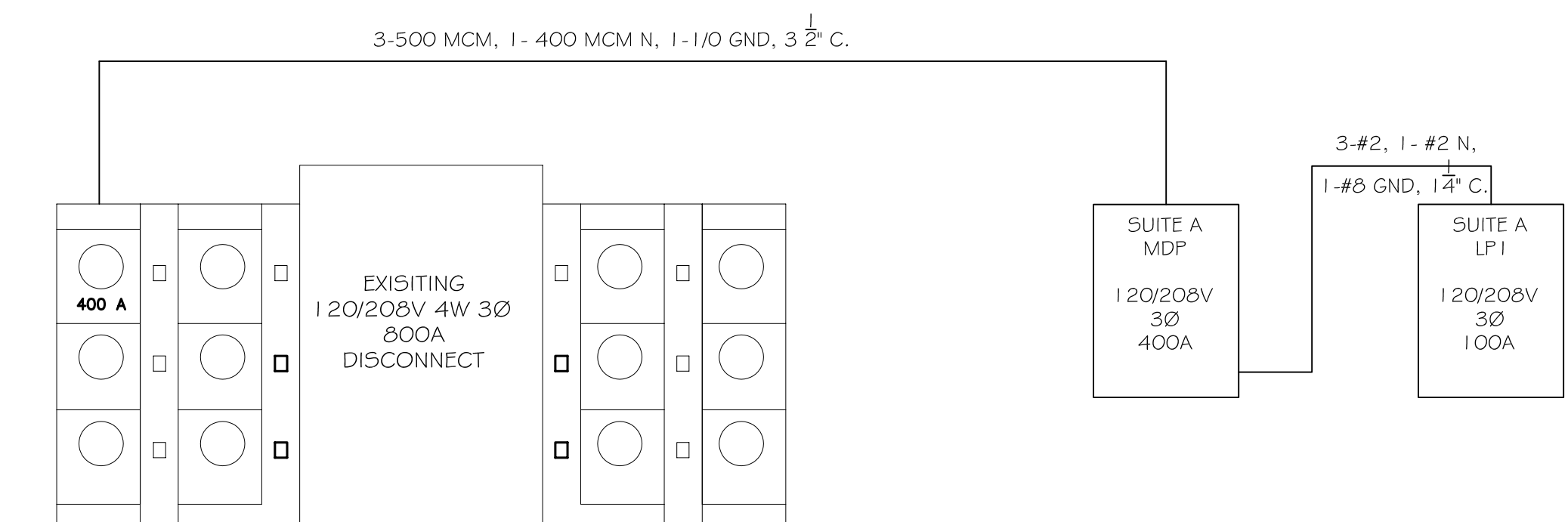
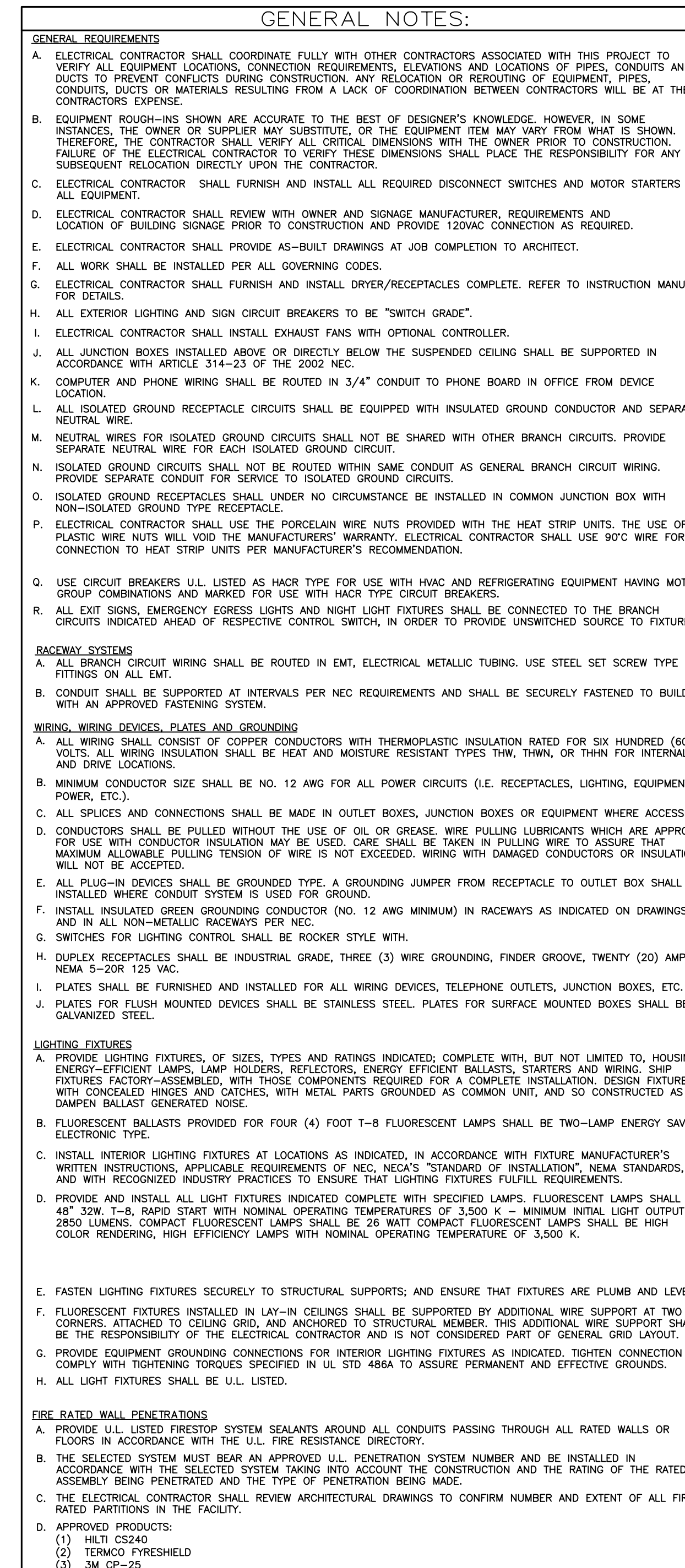
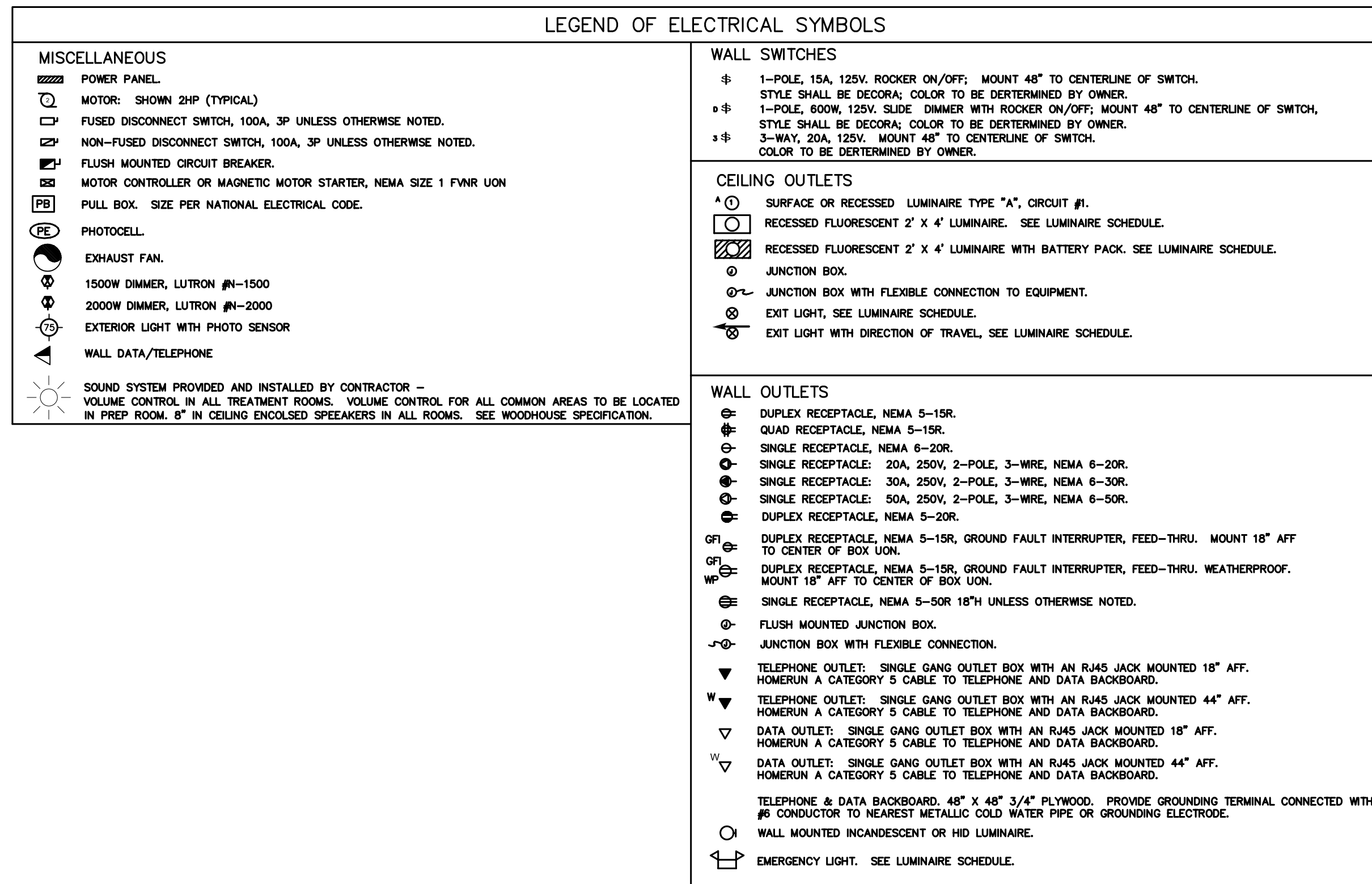
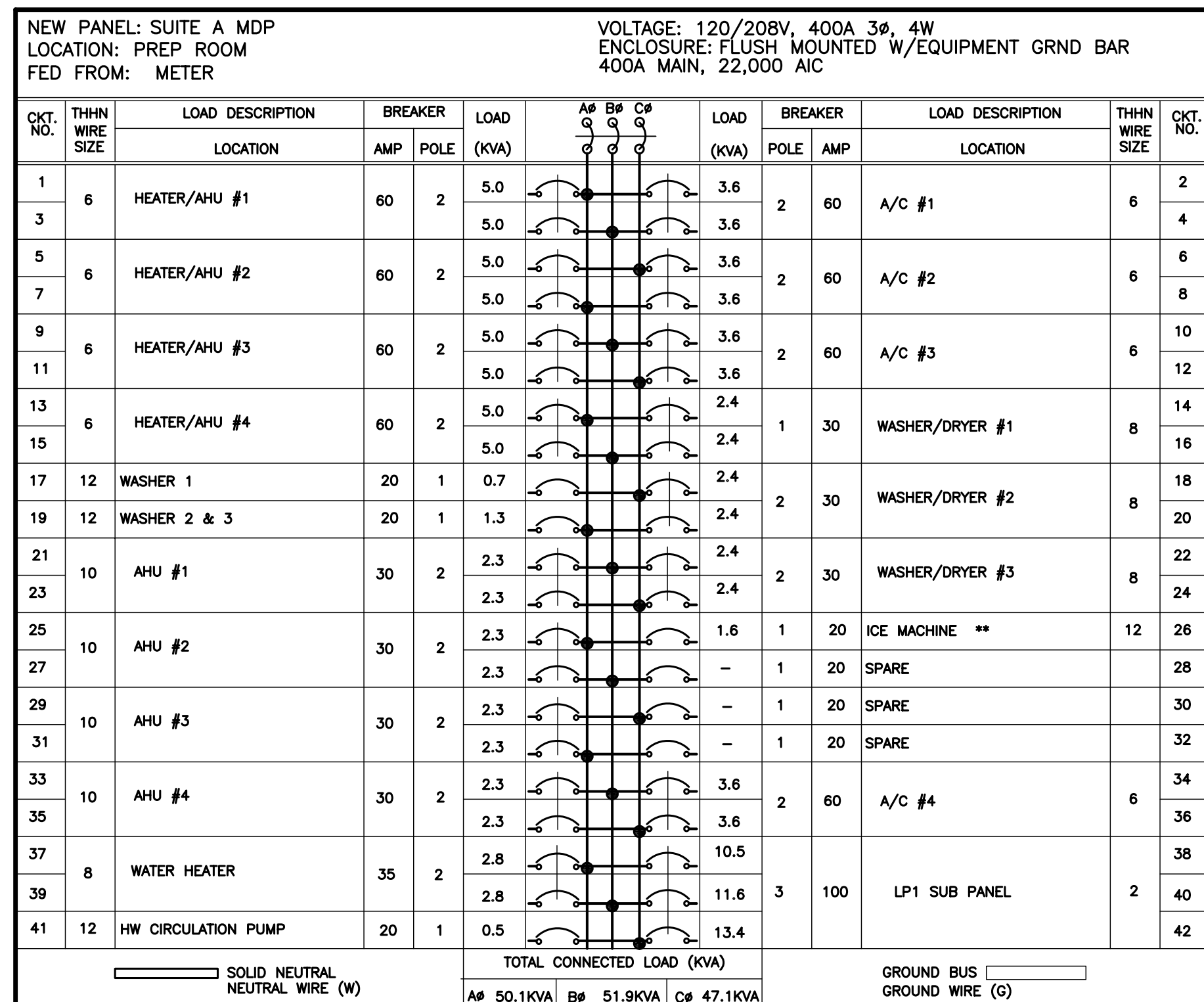
SCALE: 1/4" = 1'-0"

LUMINAIRE SCHEDULE						
MARK NO.	LAMPS TYPE	VOLTS	DESCRIPTION	OPTIONS & NOTES	MANUFACTURER	CATALOG NO.
A 2	32WT8	120	2'x4' FLUORESCENT LAY-IN TROFFER.		LIGHTOLIER	QV52GPF05232
B 1	32WCF DIMM	120	COMPACT FLUORESCENT DOWNLIGHT (LED OPTIONAL)		LIGHTOLIER	1102P1 FRAME 1176WH BAFFLE
C 1	32WCF DIMM	120	DIRECTIONAL COMPACT FLUORESCENT DOWNLIGHT (LED OPTIONAL)		LIGHTOLIER	1102P1 FRAME 1122WH BAFFLE
D 1	40W	120	GALEANA WALL SCONCE	MEN'S RESTROOM	UTTERMOST	22418
E 2	60W	120	ALENYA, 2 LIGHT WALL SCONCE	HALLWAY SEE NOTE 5	UTTERMOST	22487
F 3	60W	120	MAISON DE VILLE COLLECTION 18" HIGH 3-LIGHT WALL SCONCE; USES 3-60 CANDELABRA BULBS	WOMEN'S RESTROOM & TUB ROOM	FEISS	12290
G 2	A15 60W	120	IRON LEAF 15 1/2" WIDE BRONZE AND CRYSTAL WALL SCONCE		UNIVERSAL LIGHTING AND DECOR	50921
H 5	60 W	120	KATHY IRELAND RAMAS DE LUCES BRONZE 31" WIDE CHANDELIER; FIVE STANDARD 60 WATT AND ONE 30 WATT R-20 BULBS	WAITING/RETAIL	KATHY IRELAND	F0311
J 6	60 W	120	ALENYA, 6 LT CHANDELIER	QUIET ROOM	UTTERMOST	21246
K 3	100 W	120	GALEANA, 3 LT CHANDELIER	MEN'S VESTIBULE	UTTERMOST	21046
L 4	60 W	120	ALENYA, 4 LT PENDANT	NAIL ROOM	UTTERMOST	21962
M 3	60 W	120	KATHY IRELAND RAMAS DE LUCES BRONZE 17" WIDE CHANDELIER	DUET ROOM	KATHY IRELAND	97436
N 2	60W	120	KENT PLACE COLLECTION WALL LANTERN USES 3-60 CANDELABRA BULBS	INCLUDE PHOTO SENSOR	MINKA LAVERY	94585
P 1	100W	120	LIGHT/FAN; 70 CFM	INCLUDE OPTIONAL CONTROL.	BROAN	744
Q 1	100W	120	HEATER/LIGHT/FAN; 70 CFM	INCLUDE OPTIONAL CONTROL.	BROAN	665
S	WITH UNIT	120	SELF-POWERED LED EXIT SIGN, WHITE BACKGROUND WITH RED LETTERS.		HUBBELL	EXIT SIGN
T	WITH UNIT	120	SELF-POWERED EMERGENCY EGRESS LUMINAIRE, TWO-HEAD		HUBBELL	PEG

NOTE: LAMPS AND FIXTURES SUPPLIED AND INSTALLED BY CONTRACTOR. FOR COORDINATION CONTACT: SARA NEWMAN WOODHOUSE SPAS CORPORATION (361) 570-7772 EXT 202. CHANDELIERS/SCONCES BY LAMPS PLUS CONTACT JENNIFER LY (818) 775-5751 EXT 4375.

LIGHTING SCHEDULE NOTES:

- FURNISH PROPER LAMP FOR REFLECTOR ASSEMBLY SPECIFIED AS RECOMMENDED BY LUMINAIRE MANUFACTURER.
- ENERGY SAVING LAMP/ENERGY SAVING BALLAST.
 - FURNISH ALL RAPID START LAMPED LUMINAIRES WITH ENERGY EFFICIENT LAMPS AND BALLAST. SYSTEM OF LAMPS AND BALLAST SHALL PRODUCE THE FOLLOWING WHEN USED TOGETHER AT MINIMUM 60 DEGREE F:
 - MAXIMUM LAMP OUTPUT - 2850 LUMENS
 - MAXIMUM LAMP WATTAGE - 35 WATTS
 - MAXIMUM BALLAST LOADING (2 LAMP BALLAST) WITH LAMPS IN OPERATION - 77 WATTS
 - BALLAST SHALL BE EQUIPPED WITH UL COMPONENT RECOGNIZED NON-PCB PROTECTED CAPACITOR AND A CORE AND COIL PROTECTOR. BALLAST SHALL BE HIGH POWER FACTOR, UL LISTED, CLASS F.
 - APPROVED LAMP MANUFACTURERS:
 - GE, Sylvania, Philips (unless specifically noted otherwise)
 - APPROVED BALLAST MANUFACTURERS:
 - Advanced Transformer, Valmont, TUSE
 - FLUORESCENT AND H.I.D. BALLASTS SHALL BE FUSED WITH AN APPROVED DUAL ELEMENT.
 - ALL LIGHT FIXTURES ARE TO BE DIMMABLE AND CONNECTED TO A SLIDING DIMMER, EXCEPT: PREP RM, OFFICE, MECHANICAL RM AND CLOSETS.
 - COORDINATE THE PLACEMENT OF HALLWAY SCONCES WITH WALL TREATMENTS. SEE WOODHOUSE SPEC.



ELECTRICAL ONE LINE DIAGRAM

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WOODHOUSE SPA
THE HIGH GROVE APARTMENTS
BATON ROUGE, LA

JOB NO: 2163 DATE: 5/14/2013 CHECKED BY: KJK
DRAWN BY: KJK

#	DESCRIPTION	DATE
1	REVISION #1	5/23/2013

NOTES & SCHEDULE

SHEET No: 11 OF 15

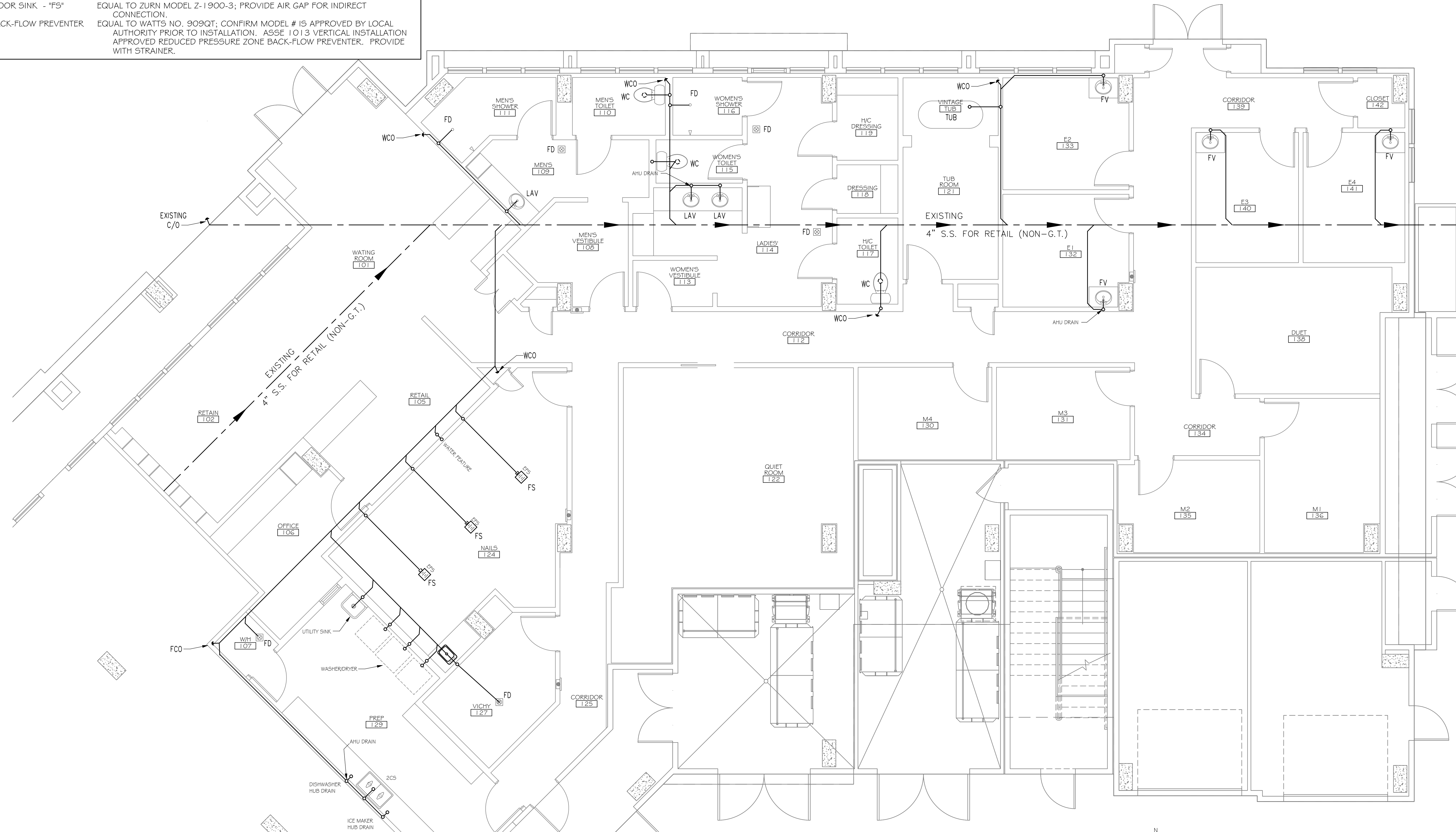
E-3

PLUMBING FIXTURE SCHEDULE

FIXTURE	DESCRIPTION
WATER CLOSET - "WC"	SEE WOODHOUSE SPECIFICATION; ALTO 137-160.
LAVATORY - "LAV"	SEE WOODHOUSE SPECIFICATION; KOHLER K2196.
FACIAL VANITY - "FV"	SEE WOODHOUSE SPECIFICATION; PORTLAND SINGLE VANITY.
VINATAGE TUB "TUB"	SEE WOODHOUSE SPECIFICATION; 67" VICTORIAN ACRYLIC SLIPPER TUB.
ECHO FOOT SPA "EFS"	SEE WOODHOUSE SPECIFICATION; CONTINUUM ECHO FOOT SPA. FOLLOW MANUFACTURER'S PLACEMENT OF FLOOR SINK.
BAR SINK	SEE WOODHOUSE SPECIFICATION; B155-2.
TWO COMP SINK "2CS"	SEE WOODHOUSE SPECIFICATION; MIDDLETON DOUBLE-BASIN SINK.
DISHWASHER	SEE WOODHOUSE SPECIFICATION; FRIGIDAIR 24" BUILT-IN DISHWASHER.
ICE MAKER	SEE WOODHOUSE SPECIFICATION; WHIRLPOOL GOLD 15" ICE MAKER.
UTILITY SINK - "US"	MUSTEE 24"x20" STRUCTURAL THERMOPLASTIC FLOOR-MOUNT UTILITY SINK.
WATER HEATER - "WH"	80 GALLON DUAL ELEMENT
FLOOR DRAIN - "FD"	4" ZURN # ZN-415 W/TRAP PRIMER.
FLOOR SINK - "FS"	EQUAL TO ZURN MODEL Z-1900-3; PROVIDE AIR GAP FOR INDIRECT CONNECTION.
BACK-FLOW PREVENTER	EQUAL TO WATTS NO. 909QT; CONFIRM MODEL # IS APPROVED BY LOCAL AUTHORITY PRIOR TO INSTALLATION. ASSE 1013 VERTICAL INSTALLATION APPROVED REDUCED PRESSURE ZONE BACK-FLOW PREVENTER. PROVIDE WITH STRAINER.

PLUMBING SITE NOTES:

- IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO FIELD VERIFY ALL SITE CONDITIONS PRIOR TO STARTING ANY PHASE OF CONSTRUCTION. ANY CHANGES OR COST NOT SHOWN ON THESE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT, ENGINEER.
- ALL EXISTING UTILITIES SHOWN ON THIS PLAN ARE ASSUMED TO BE CORRECT. IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO PROPERLY VERIFY ALL UNDERGROUND UTILITIES.
- KEEP ALL CUTTING AND PATCHING TO A MINIMUM.
- IT IS RECOMMENDED THAT THE SUBCONTRACTOR ARRANGE A PRE-JOB CONFERENCE WITH THE CONSTRUCTION SUPERVISOR FOR REVIEW & CLARIFICATION PRIOR TO STARTING ANY WORK.



THIS PLAN IS DRAWN DIAGRAMMATICALLY
FIELD VERIFY PRIOR TO CONSTRUCTION

SANITARY SEWER PLAN
SCALE: 1/4" = 1'-0"

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WOODHOUSE SPA
THE HIGH GROVES APARTMENTS
BATON ROUGE, LA

JOB No: 2163 DATE: 5/14/2013 CHECKED BY: KJK
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SANITARY SEWER PLAN

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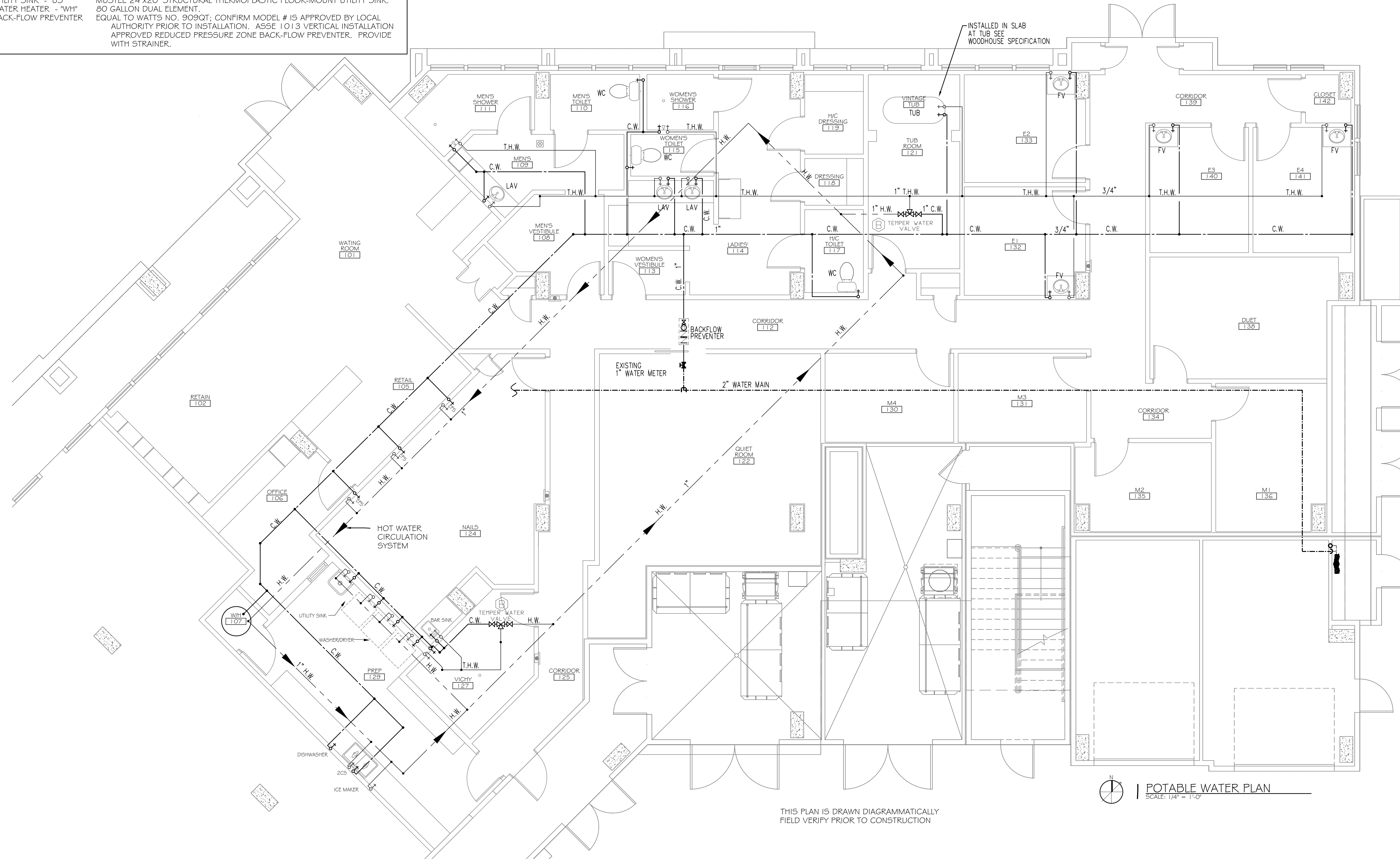
PLUMBING FIXTURE SCHEDULE

FIXTURE	DESCRIPTION
WATER CLOSET - "WC"	SEE WOODHOUSE SPECIFICATION.
LAVATORY - "LAV"	SEE WOODHOUSE SPECIFICATION; DELTA 2555RB-2 I GRB.
FACIAL VANITY - "FV"	SEE WOODHOUSE SPECIFICATION; VANITY SINK FAUCET.
VINATAGE TUB "TUB"	SEE WOODHOUSE SPECIFICATION; RANDOLPH MORRIS RM462ORB, RMN2000RB, RMN144FORB, RMN144IORB, RMN146SORB, .
SHOWER	SEE WOODHOUSE SPECIFICATION; DELTA R10000-IF, DELTA RPW124HDF, MONITOR 13 SERIES T13020.
VICHY SHOWER	WATER WERKS CASCADE; SWIVELING SHOWER ARM WITH 5 SHOWER HEADS. SEE WOODHOUSE SPECIFICATION.
ECHO FOOT SPA "EFS"	SEE WOODHOUSE SPECIFICATION; CONTINUUM ECHO FOOT SPA. FOLLOW MANUFACTURER'S PLACEMENT OF HOT AND COLD WATER.
BAR SINK	SEE WOODHOUSE SPECIFICATION; 2190 SERIES.
TWO COMP SINK "2CS"	SEE WOODHOUSE SPECIFICATION; DELTA B241OLF.
DISHWASHER	SEE WOODHOUSE SPECIFICATION; FRIGIDAIR 24" BUILT-IN DISHWASHER.
ICE MAKER	SEE WOODHOUSE SPECIFICATION; WHIRLPOOL GOLD 15" ICE MAKER.
UTILITY SINK - "US"	MUSTEE 24"X20" STRUCTURAL THERMOPLASTIC FLOOR-MOUNT UTILITY SINK.
WATER HEATER - "WH"	80 GALLON DUAL ELEMENT.
BACK-FLOW PREVENTER	EQUAL TO WATTS NO. 909QT; CONFIRM MODEL # IS APPROVED BY LOCAL AUTHORITY PRIOR TO INSTALLATION. ASSE 1013 VERTICAL INSTALLATION APPROVED REDUCED PRESSURE ZONE BACK-FLOW PREVENTER. PROVIDE WITH STRAINER.

C.W. - COLD WATER
 H.W. - HOT WATER
 T.W.H. - TEMPERED HOT WATER

PLUMBING SITE NOTES:

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THIS PLAN IS DRAWN DIAGRAMMATICALLY
 FIELD VERIFY PRIOR TO CONSTRUCTION

POTABLE WATER PLAN
 SCALE: 1/4" = 1'-0"

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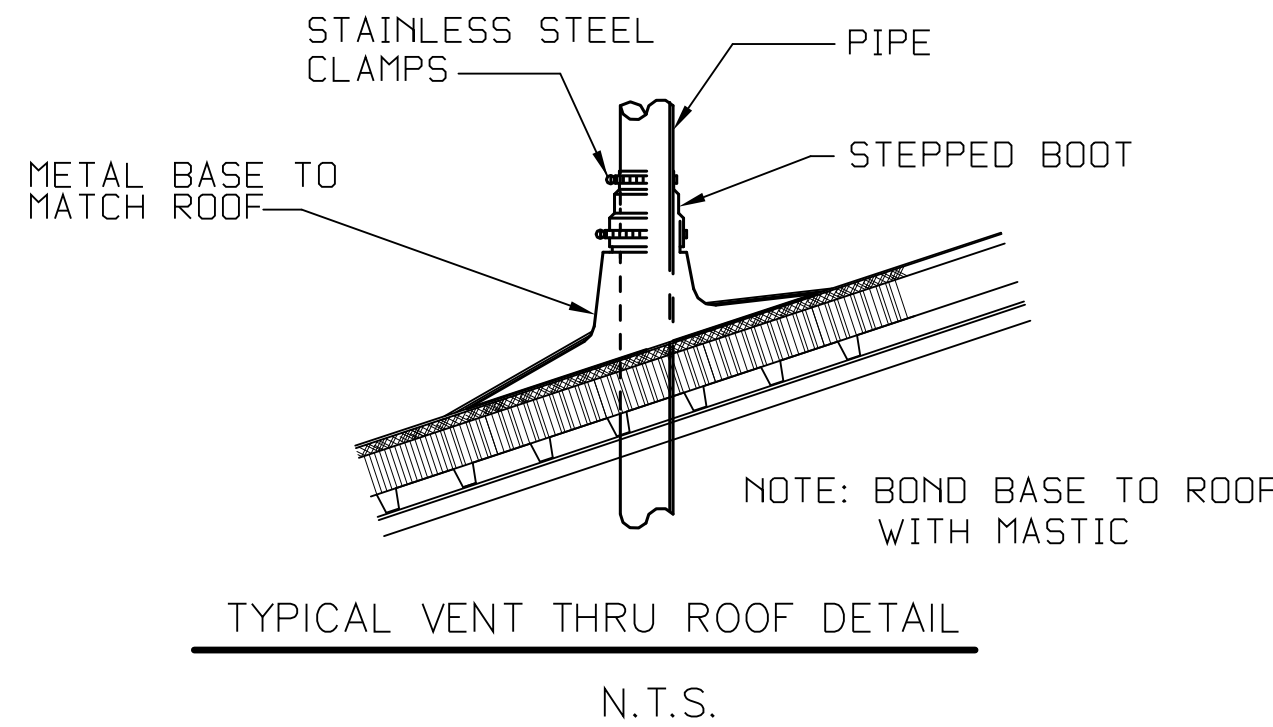
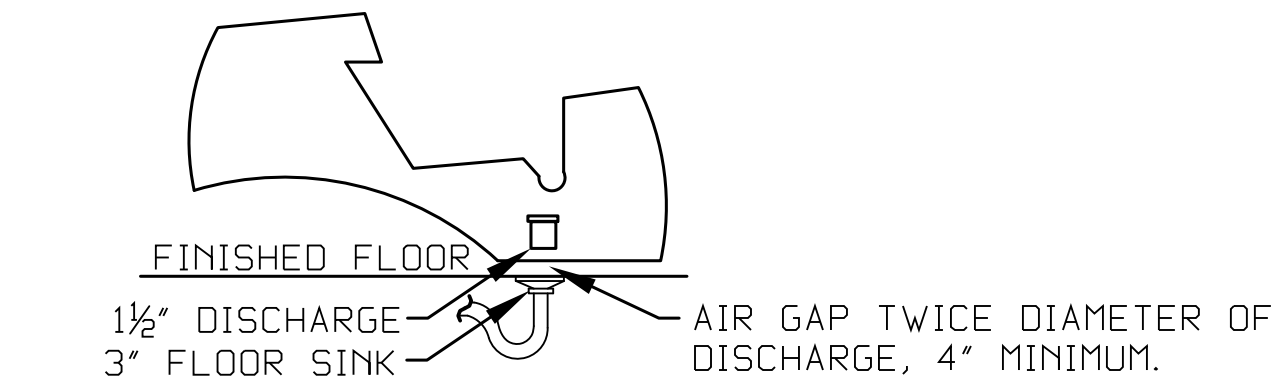
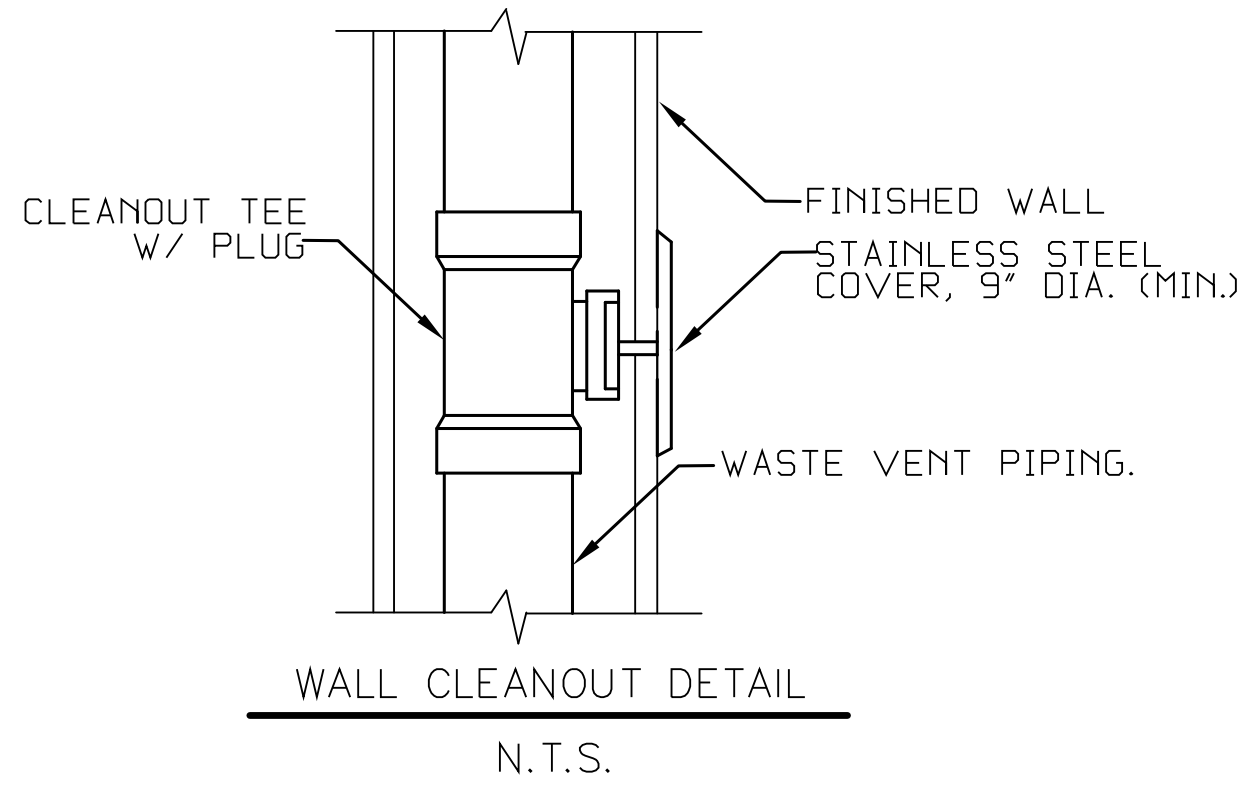
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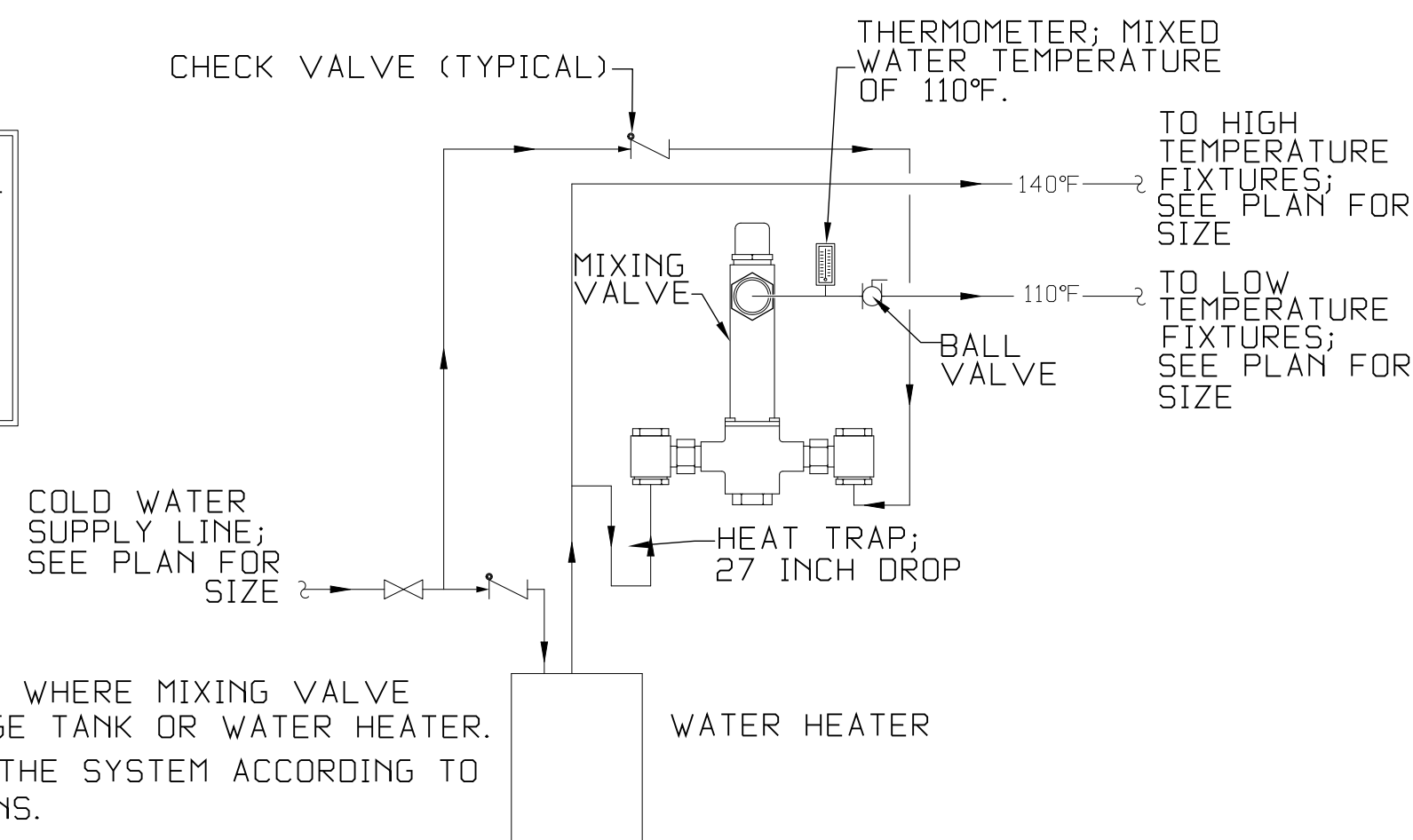
POTABLE WATER PLAN

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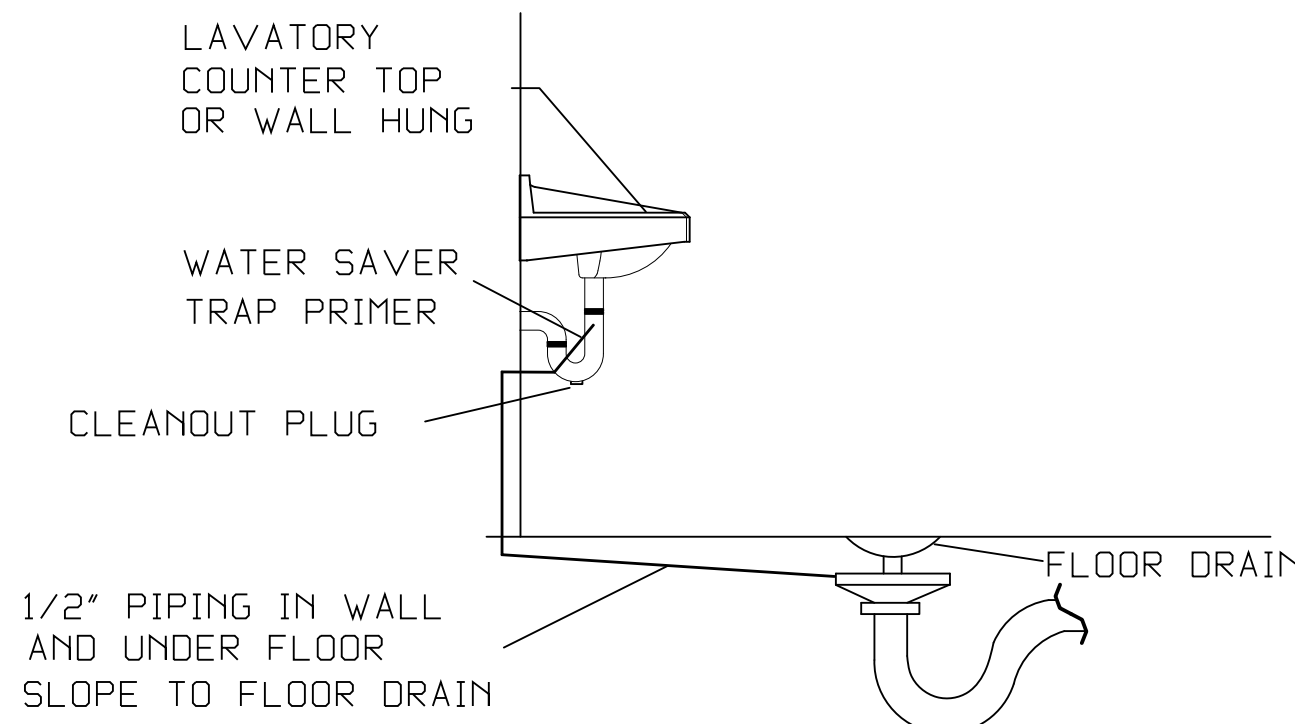


NOTE: WATER HEATER TEMPERATURE TO BE SET AT 140° F PROVIDE TEMPERING VALVE (SET @ 110°F) AS SHOWN FOR ALL HAND SINK & SHOWER HOT WATER SUPPLIES.

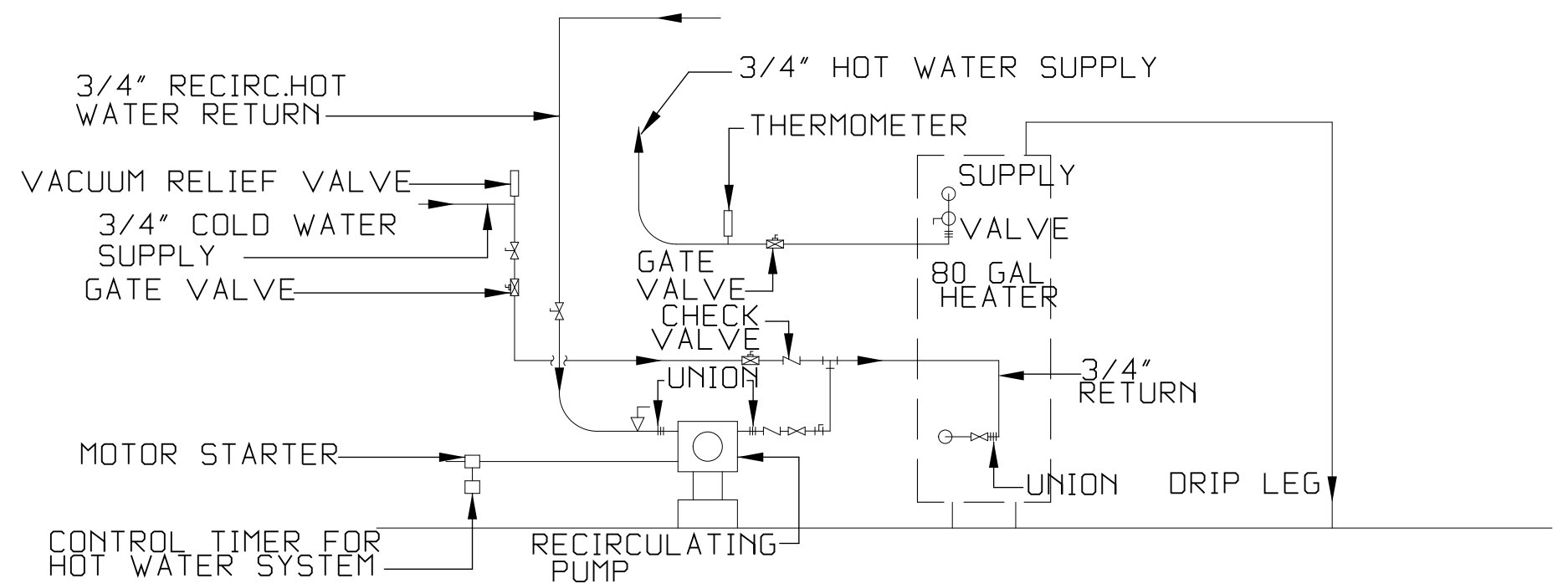


- NOTES:**
- HEAT TRAP IS NOT REQUIRED WHERE MIXING VALVE IS INSTALLED BELOW STORAGE TANK OR WATER HEATER.
 - SET THE MIXING VALVE TO THE SYSTEM ACCORDING TO MANUFACTURER'S INSTRUCTIONS.

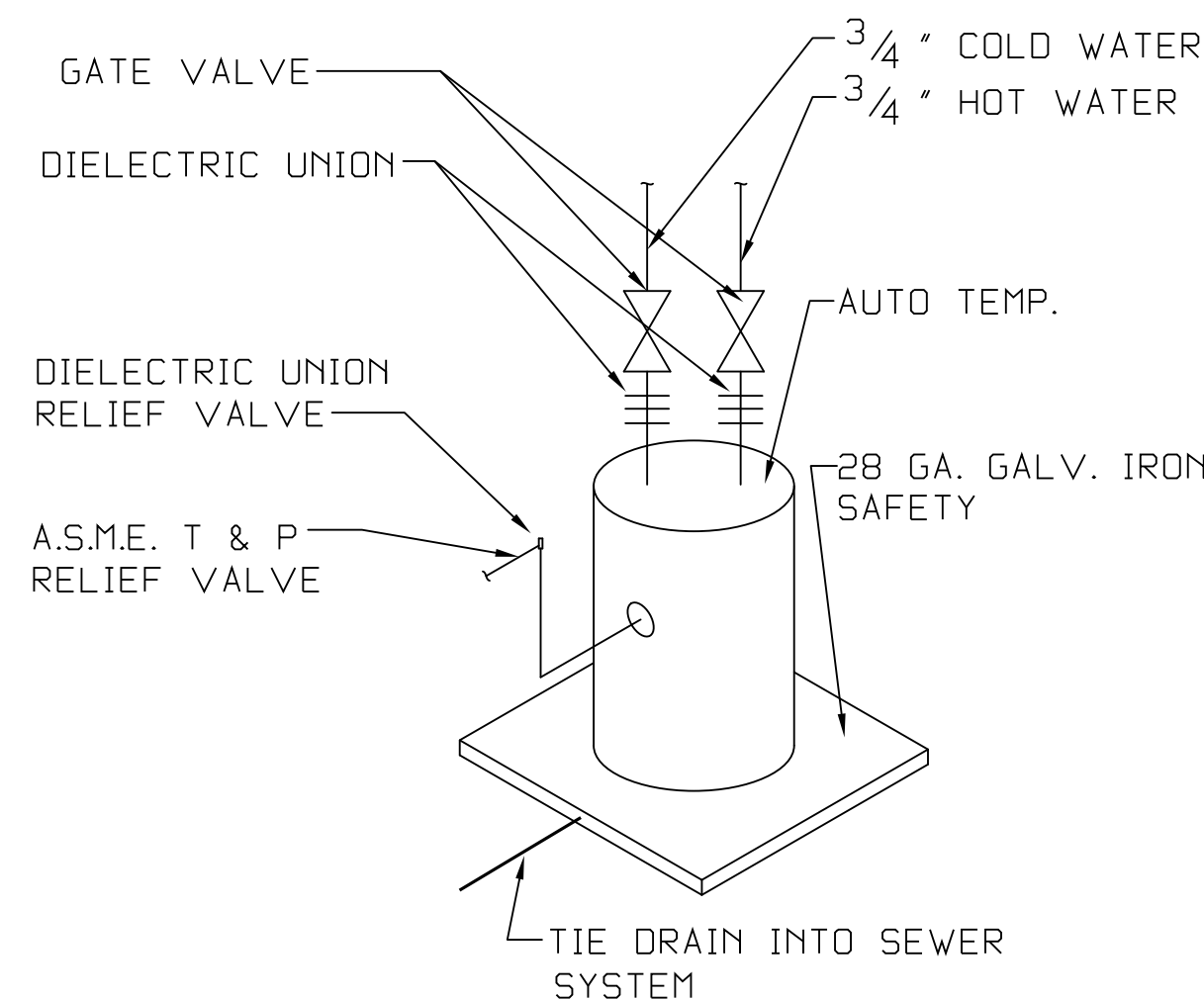
TEMPERED WATER VALVE
NOT TO SCALE



FLOOR DRAIN DETAIL
Scale: Not To Scale



MAIN WATER HEATER CIRCULATION DIAGRAM
N.T.S.



TYPICAL WATER HEATER
N.T.S.

GENERAL NOTES:

- PLUMBING CONTRACTOR IS TO FURNISH AND INSTALL ALL FIXTURES COMPLETE AS LISTED IN "PLUMBING FIXTURE SCHEDULE" AND THE WOODHOUSE SPECIFICATION. PROVIDE ALL LABOR, MATERIAL AND EQUIPMENT FOR A COMPLETE OPERATING SYSTEM. THE SYSTEM SHALL INCLUDE RECIRCULATING HOT AND COLD WATER PIPING, SEWER AND VENT PIPING, INSULATION, WATER HEATER, HANGERS, VALVES, SUPPORTS WITHOUT ANY RESTRICTIONS TO VOLUME.
- ALL HANDICAP PLUMBING FIXTURES SHALL BE INSTALLED TO COMPLY WITH STATE AND LOCAL CODES. P.C. SHALL FURNISH AND INSTALL CODE COMPLIANT TRAP WRAP ON ALL EXPOSED WATER & WASTE LINES FOR ALL HANDICAP ACCESSIBLE LAVATORIES.
- CONTRACTOR IS TO FIELD VERIFY ALL EXISTING UTILITY LOCATIONS, ELEVATIONS AND SIZES PRIOR TO COMMENCING ANY WORK. PLUMBER TO VERIFY SLAB CONDITIONS (POST TENSION OR CONVENTIONAL) BEFORE COMMENCING WORK. WHERE A RENOVATION IS TO OCCUR, THE PLUMBING CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXTENT OF DEMOLITION REQUIRED, PRIOR TO SUBMITTING BID.
- PLUMBING CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS TO THE GENERAL CONTRACTOR PRIOR TO FINAL PAYMENT.
- ALL WORK SHALL BE INSTALLED TO COMPLY WITH LOCAL AND STATE PLUMBING CODE REQUIREMENTS, AND PER LOCAL HEALTH DEPARTMENT REQUIREMENTS.
- THE HOT WATER PRESSURE RELIEF MUST BE CONNECTED EITHER INDIRECTLY TO THE SANITARY SEWER OR DIRECTLY OUTSIDE.
- TEST ALL PIPING AT REQUIRED PRESSURE.
- ALL PLUMBING SHALL BE CLOSELY COORDINATED WITH STRUCTURAL SYSTEM, MECHANICAL SYSTEM AND ELECTRICAL TO INSURE NO TRADES WILL CONFLICT WITH EACH OTHER.
- DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF DOORS, WINDOWS, WALLS, FIXTURES, ETC.
- ALL WATER MAINS AND PIPING NOT SHOWN FOR CLARITY, ALL LOCATIONS SHALL BE FIELD VERIFIED.
- ALL ELECTRICAL, MECHANICAL & PLUMBING PENETRATING FIRE PARTITIONS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E814.)

WASTE AND VENT PIPING:

- PLUMBING CONTRACTOR SHALL USE SERVICE WEIGHT CAST IRON PIPE WITH BELL AND SPIGOT ENDS AND ONE PIECE NEOPRENE INSERT TYPE GASKET. USE PVC SCHEDULE 40 OR ABD DWV PIPES AND FITTINGS WHERE PERMITTED BY CODE. ALL PIPING ABOVE GRADE MAY HAVE HUBLESS FITTINGS. PLASTIC PIPING SHALL NOT BE USED IN RETURN AIR PLENUM. COORDINATE THIS REQUIREMENT WITH HVAC CONTRACTOR PRIOR TO INSTALLATION.
- CONTRACTOR SHALL FIELD VERIFY INVERT ELEVATIONS OF ALL NEW AND EXISTING SANITARY SEWERS PRIOR TO ROUGH-IN.
- NEW SEWERAGE LINES 3-INCH AND SMALLER SHALL BE SLOPED 1/4" PER FOOT AND LINES 4-INCH AND LARGER SHALL BE SLOPED 1/8" PER FOOT.
- ELEVATION OF ALL FLOOR DRAINS SHALL BE HELD 1/2" BELOW FINISH FLOOR TILE.
- ALL CLEANOUTS SHALL BE INSTALLED FLUSH WITH FINISHED GRADE/FINISHED FLOORS.
- HOLD ALL PLUMBING VENTS A MINIMUM OF 10'-0" FROM OUTSIDE AIR INTAKES. WHERE STATE OR LOCAL CODES REQUIRE MORE SEPARATION, P.C. SHALL OFFSET TO MEET THE MORE STRINGENT CODE ON HVAC EQUIPMENT. COORDINATE LOCATION WITH M.C.

WATER PIPING:

- POTABLE WATER PIPING AND FITTINGS ABOVE GRADE SHALL BE ASTM B88 COPPER WATERTUBE, TYPE "L". HARD DRAWN WITH COPPER PRESSURE TYPE FITTINGS, ANSI B16.22. THE JOINTS SHALL BE SOLDERED TYPE USING ASTM B32, ALLOY GADE 95A (95-5) SOLDER. DOMESTIC WATER PIPING BELOW GRADE SHALL BE TYPE "M" SOFT TEMPERED COPPER.
- INSTALL 1" FOAM RUBBER INSULATION ON ALL HOT AND COLD WATER PIPING BELOW AND ABOVE GRADE. ALL JOINTS IN INSULATION ARE TO BE TAPED.
- ALL DOMESTIC WATER PIPING SHALL BE DISINFECTED PRIOR TO USE BY BUILDING OCCUPANT. PLUMBING CONTRACTOR SHALL DISINFECT PER REQUIREMENTS OF LOCAL HEALTH DEPT., STATE/LOCAL PLUMBING CODE.
- ALL PLUMBING HOSE BIBBS OR VALVES WITH THREADED CONNECTIONS SHALL BE PROVIDED WITH VACUUM BREAKERS AND APPROVED MEANS OF BACK-FLOW PREVENTION AS REQUIRED BY STATE AND LOCAL CODES.
- PROVIDE SHUT-OFF VALVES ON ALL EQUIPMENT AND STOP COCKS IN HOT AND COLD WATER PIPING FIXTURES.
- PLUMBING CONTRACTOR SHALL PROVIDE DIELECTRIC UNIONS AT ALL PIPING CONNECTIONS WHERE DISSIMILAR PIPING IS JOINED.
- ALL HOT AND COLD WATER, WASTE, AND VENT PIPING TO BE SUPPORTED PER LOCAL PLUMBING CODE.
- PROVIDE TEMPERED HOT WATER DEVICES, SET TO 110° F.
- PROVIDE AND INSTALL A 1/8 HP CIRCULATING PUMP WITH TIMER FOR THE HOT WATER SYSTEM.

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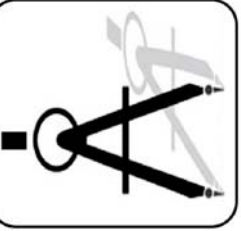
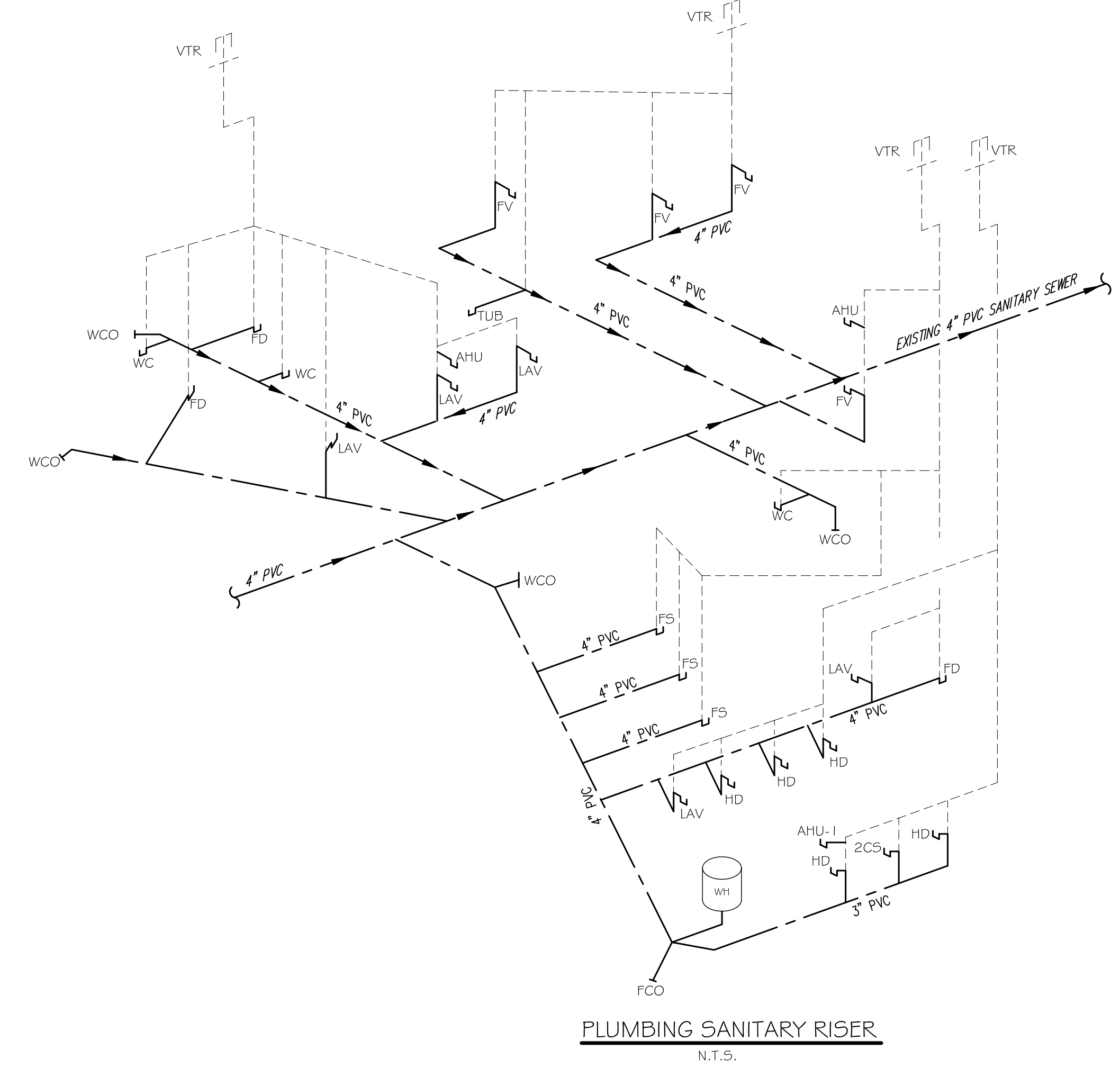
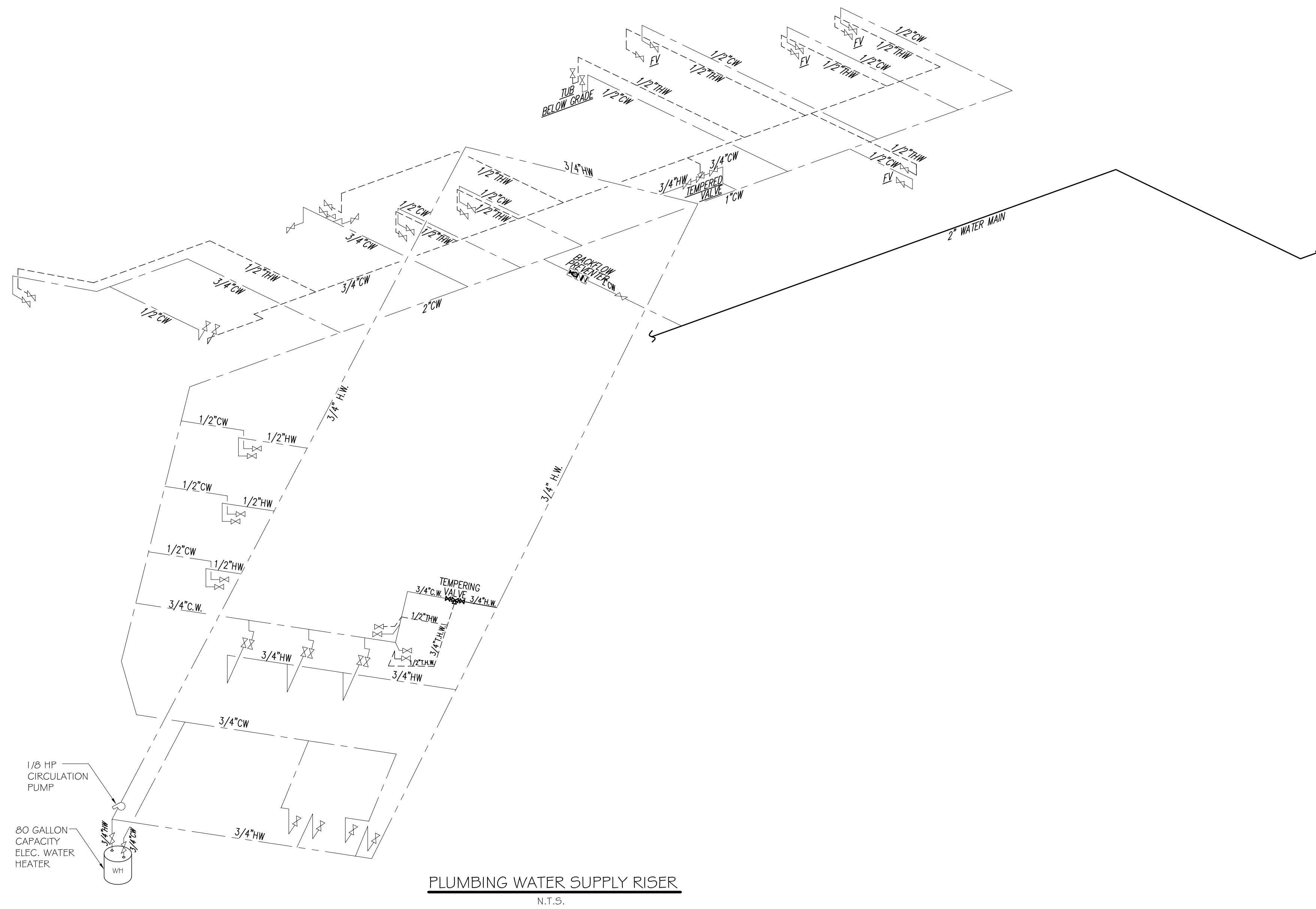
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NOTES & RISER DIAGRAMS

PLUMBING FIXTURE SCHEDULE

FIXTURE	
"WC"	WATER CLOSET
"LAV"	LAVATORY
"FV"	FACIAL VANITY
"TUB"	VINTAGE TUB
"EFS"	ECHO FOOT SPA
"2CS"	TWO COMP. SINK.
"US"	UTILITY SINK.
"WH"	WATER HEATER
"FD"	FLOOR DRAIN
"HD"	HUB DRAIN
"FS"	FLOOR SINK



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PLUMBING
RISER
DIAGRAMS

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