

City of Auburndale - Bank Building

6 Bobby Green Plaza Auburndale, Florida 33823

23023.01

#	ISSUED FOR	DATE
	DD SET	04.25.23
	90% REVIEW	05.15.23
	PERMIT	05.31.23
1	REVISION 1	09.05.23



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58 Lake Morton Lakeland, FL 33 p 863.682.1882 f 863.687.6346 lic. AR94778

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Electrical/Plumbing/ Fire Protection:

MES GROUP INC 550 N REO ST, SUITE 203 TAMPA, FLORIDA 33609



VICINITY MAP NOT TO SCALE

Drawing Index						
Sheet		DD SET	90% REVIEW	PERMIT/BID	REV 1	
Number	Sheet Name	04.25.23	05.15.23	05.31.23	08.04.23	
General						
A-CVR	Cover Sheet	•	•	•	•	
G-001	Code Data	•	•	•	•	
G-002	Life Safety Plans				•	
G-006	General Notes and Abbreviations	•	•	•		
G-007	UL Details				•	
G-010	Wall Types	•	•	•	•	
Architecture						
A-101	First Floor Plans - Demolition and Overall	•	•	•	•	
A-102	Second Floor Plans - Demolition and Overall	•	•	•	•	
A-111	Reflected Ceiling Plans	•	•	•	•	
A-401	Enlarged Restroom Plans and Details	•	•	•	•	
A-520	Milwork Elevations & Details		•	•		
A-601	Door and Window Schedules and Details	•	•	•	•	
A-602	Room Finish Schedule and Plans		•	•		
Plumbing						
P-001	Plumbing Notes and Legends	•	•	•		
P-101	Plumbing Plans	•	•	•	•	
P-102	Enlarged Restroom Plumbing Plan				•	
P-501	Plumbing Details and Schedules	•	•	•		

Drawing Index						
Sheet		DD SET	90% REVIEW	PERMIT/BID	REV 1	
Number	Sheet Name	04.25.23	05.15.23	05.31.23	08.04.23	
Fire Protection						
F-000	Fire Protection Title Sheet		•	•		
F-101	Fire Protection Plans		•	•		
Electrical		•				
E-000	Electrical Title Sheet	•	•	•	•	
ED-101	Level 1 Electrical Demolition Plan	•	•	•		
ED-102	Level 2 Electrical Demolition Plan	•	•	•		
E-101	Level 1 Lighting Plan	•	•	•	•	
E-102	Level 2 Lighting Plan	•	•	•		
E-201	Level 1 Power Plan	•	•	•	•	
E-202	Level 2 Power Plan	•	•	•		
E-301	Level 1 Special Systems Plan		•	•	•	
E-302	Level 2 Special Systems Plan		•	•		
E-501	Electrical Riser	•	•	•	•	
E-502	Electrical Details		•	•		
E-601	Panel Schedules	•	•	•		
E-602	Panel Schedules and Electrical Details	•	•	•		

CITY OF AUBURNDALE - BANK BUILDING

NEW OFFICE RENOVATION

PROJECT ADDRESS: 6 BOBBY GREEN PLAZA AUBURNDALE, FLORIDA 33823

PROJECT DESCRIPTION

RENOVATION OF EXISTING BANK BUILDING TO HOUSE CITY OF AUBURNDALE CUSTOMER SERVICE COUNTERS AND CUSTOMER TRANSACTION SPACES, AS WELL AS PRIVATES, OPEN WORK SPACE, AND CONFERENCE/ HUDDLE ROOMS. THERE IS TO BE NO MODIFICATIONS TO THE EXTERIOR.

BUILDING DATA:

FIRST FLOOR

OFFICE/BUSINESS: 5,622 SF ACCESSORY: 737 SF

SECOND FLOOR

5,355 SF OFFICE/BUSINESS: ACCESSORY: 1,004 SF

TOTAL BUILDING AREA: 12,718 SF

FLOOD DESIGN DATA:

CLADDING DESIGN DATA:

CODE REFERENCE:

APPLICABLE CODES:

FLORIDA BUILDING CODE: SEVENTH EDITION 2020 FLORIDA EXISTING BUILDING: SEVENTH EDITION FLORIDA ACCESSIBILITY CODE: SEVENTH EDITION 2020 FLORIDA MECHANICAL CODE: SEVENTH EDITION 2020 FLORIDA PLUMBING CODE: SEVENTH EDITION FLORIDA FIRE PREVENTION CODE: SEVENTH EDITION NFPA 70: NATIONAL ELECTRICAL 2017

(EXCEPT ARTICLE 80):

CLASSIFICATION OF WORK (FBC EXISTING CHAPTER 6): ALTERATION - LEVEL 3

OCCUPANCY (FBC CHAPTER 3): **BUSINESS - GROUP B** OFFICE, PROFESSIONAL, OR SERVICE-TYPE TRANSACTIONS, INCLUDING CIVIC ADMINISTRATION

GENERAL BUILDING LIMITATIONS (FBC CHAPTER 5):

		- (
TYPE 2B (UNPROTECTED, SPRINKLERED)					
	ALLOWABLE:	PROVIDED:			
MAX HEIGHT (TABLE 504.3a)	55' - 0"	±22' - 0" EXISTING			
HEIGHT INCREASE (SECTION 504.2)	-	-			
MAX STORIES (TABLE 504.4)	3	2 EXISTING			
STORY INCREASE (SECTION 504.2)	-	-			
MAX AREA (TABLE 506.2)	23,000 SF	12,718 SF EXISTING			
AREA INCREASE (SECTION 506.3)	-	-			

TYPE OF CONSTRUCTION (FBC CHAPTER 6): 2B

FIRE-RESISTANCE RATING FOR BUILDING ELEMENTS (FBC TABLE 601):

(I DC TABLE 00 I).	
BUILDING ELEMENT	TYPE 2B
PRIMARY STRUCTURAL FRAME	0
BEARING WALLS EXTERIOR INTERIOR	0 0
NON-BEARING WALLS AND PARTITIONS INTERIOR	0
FLOOR CONSTRUCTION AND SECONDARY MEMBERS	0
ROOF CONSTRUCTION AND SECONDARY MEMBERS	0

CORRIDOR FIRE RESISTANCE RATING (FBC TABLE 1020.1):

OCCUPANCY	OCCUPANT LOAD	FIRE RESISTANCE RATING
CLASSIFICATION	SERVED BY CORRIDOR	(NON-SPRINKLERED)
GROUP B	36 PERSONS	

FIRE RATINGS (FBC CHAPTER 7):

•	, 				
TYPE 2B (UNPROTECTED, NONSPRINKLERED)					
DESCRIPTION:	REQUIRED:	PROVIDED:			
SHAFT ENCLOSURES (SECTION 713.4)	1 HR FIRE BARRIER	EXISTING 1 HR RATING TO REMAIN			
DOOR RATINGS AT 1 HR RATED SHAFT ENCLOSURES AND EXIT PASSAGE WAYS (TABLE 716.5)	1 HR FIRE RATING	I HR FIRE RATING			

AUTOMATIC SPRINKLER SYSTEMS: (FBC 903.2.1.2) GROUP B - AN AUTOMATIC SPRINKLER SYSTEM IS NOT REQUIRED OR PROVIDED.

FIRE ALARM: (FBC 907.2.1, NFPA 72)
A MANUAL FIRE ALARM SYSTEM IS NOT REQUIRED, BUT A NEW FIRE ALARM SYSTEM IS PROVIDED.

MEANS OF EGRESS (FBC CHAPTER 10): POPULATION/OCCUPANCY LOAD - FBC TABLE 1004.5

FUNCTION OF SPACE	AREA	OCCUPANT LOAD FACTOR	OCCUPANTS
FIRST FLOOR - BUSINESS	5,622 SF	150 GROSS	38
SECOND FLOOR - BUSINESS	5,355 SF	150 GROSS	36

74 PERSONS

TOTAL OCCUPANT LOAD

MINIMUM PLUMBING FACILITIES (FPC TABLE 403.1): BUSINESS/OFFICE - 74 PERSONS / 37 EACH SEX

CATEGORY	WATER (CLOSETS	LAVATORIES		DRINKING FOUNTAINS		OTHER
CATEGORY	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	OTHER
BUSINESS/OFFICE (37 PERSONS EACH SEX)							
MALE	1.48	-	0.925	-	0.74 -		
FEMALE	1.48	-	0.925	-		-	_
TOTAL FIXTU	JRES						•
MALE	2	4	1	3	2 4	4	1 MOP SINK
FEMALE	2	6	1	4		I INIOP SINK	

INTERIOR FINISHES (TABLE 803.11):

TYPE 2B (UNPROTECTED, NONSPRINKLERED)					
OCCUPANCY	EXIT ENCLOSURES AND PASSAGEWAYS	CORRIDORS	ROOMS AND ENCLOSED SPACES		
GROUP B	A	В	С		

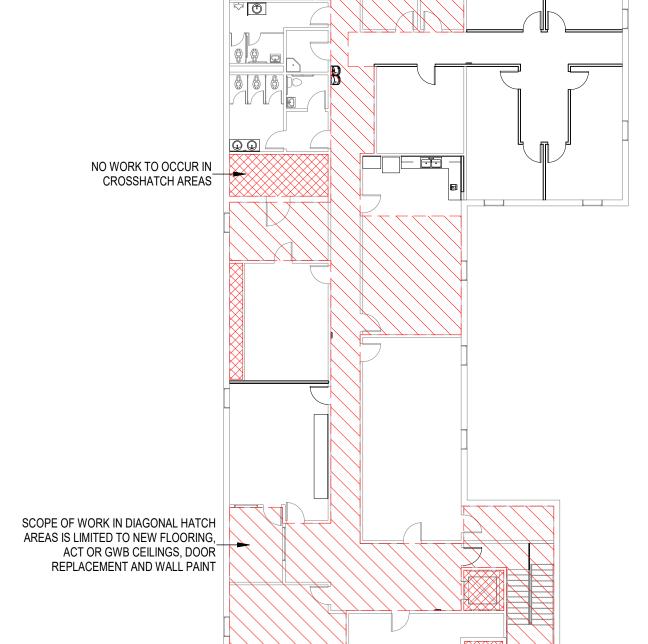
MEANS OF EGRESS (FBC CHAPTER 10):

TYPE 2B / NON-	SPRINKLERED / GROUP B	
DESCRIPTION:	REQUIRED:	PROVIDED:
MAXIMUM TRAVEL DISTANCE (FBC TABLE 1017.2)	200' - 0"	180' - 5"
MAXIMUM DEAD-END CORRIDOR (FBC 1020.4)	20' - 0"	9' - 1"
MINIMUM NUMBER OF EXITS (FBC TABLE 1006.3.2)	2 PER STORY	2 PER STORY
NUMBER OF SPACE EXITS (FBC TABLE 1006.2.1)	2 IF GREATER THAN 49 OCCUPANTS	2 IF GREATER THAN 49 OCCUPANTS
COMMON PATH OF EGRESS TRAVEL (FBC TABLE 1006.2.1)	75' - 0"	68' - 3"
EGRESS STAIR WIDTH PER LEVEL (FBC SECTION 1005.3.1)	0.3" PER OCCUPANT (86 PERSONS) x (0.3) =	36" MIN
OTHER EGRESS WIDTH PER LEVEL (FBC SECTION 1005.3.2)	0.2" PER OCCUPANT (74 PERSONS) x (0.2) =	44" MIN
MINIMUM CORRIDOR WIDTH (FBC TABLE 1020.2)	44"	44" MIN
EXIT PASSAGEWAY FIRE RATING (FBC SECTION 1024.3)	1 HR FIRE RATING	1 HR EXISTING
MINIMUM CLEAR OPENING OF EXIT DOORS (FBC SECTION 1010.1.1)	32"	AT LEAST 36"

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY, AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS. STATE AGENCIES, OR FEDERAL AGENCIES.

SCOPE OF WORK IN DIAGONAL HATCH AREAS IS LIMITED TO NEW FLOORING, ACT OR GWB CEILINGS, AND WALL PAINT	NO WORK TO OCCUR IN CROSSHATCH AREAS	
NO WORK TO OCCUR IN CROSSHATCH AREAS	SCOPE OF WORK IN DIAGONAL HATCH AREAS IS LIMITED TO NEW FLOORING, ACT OR GWB CEILINGS, DOOR REPLACEMENT AND WALL PAINT	

FIRST FLOOR WORK AREA PLAN [/] 1/16" = 1'-0"



2 SECOND FLOOR WORK AREA PLAN
1/16" = 1'-0"

THE GROUP

uilding \Box Bank Auburndale of City

> REVISION 1 09.05.23 DRAWN BY: D. Sanders

90% REVIEW

Code Data

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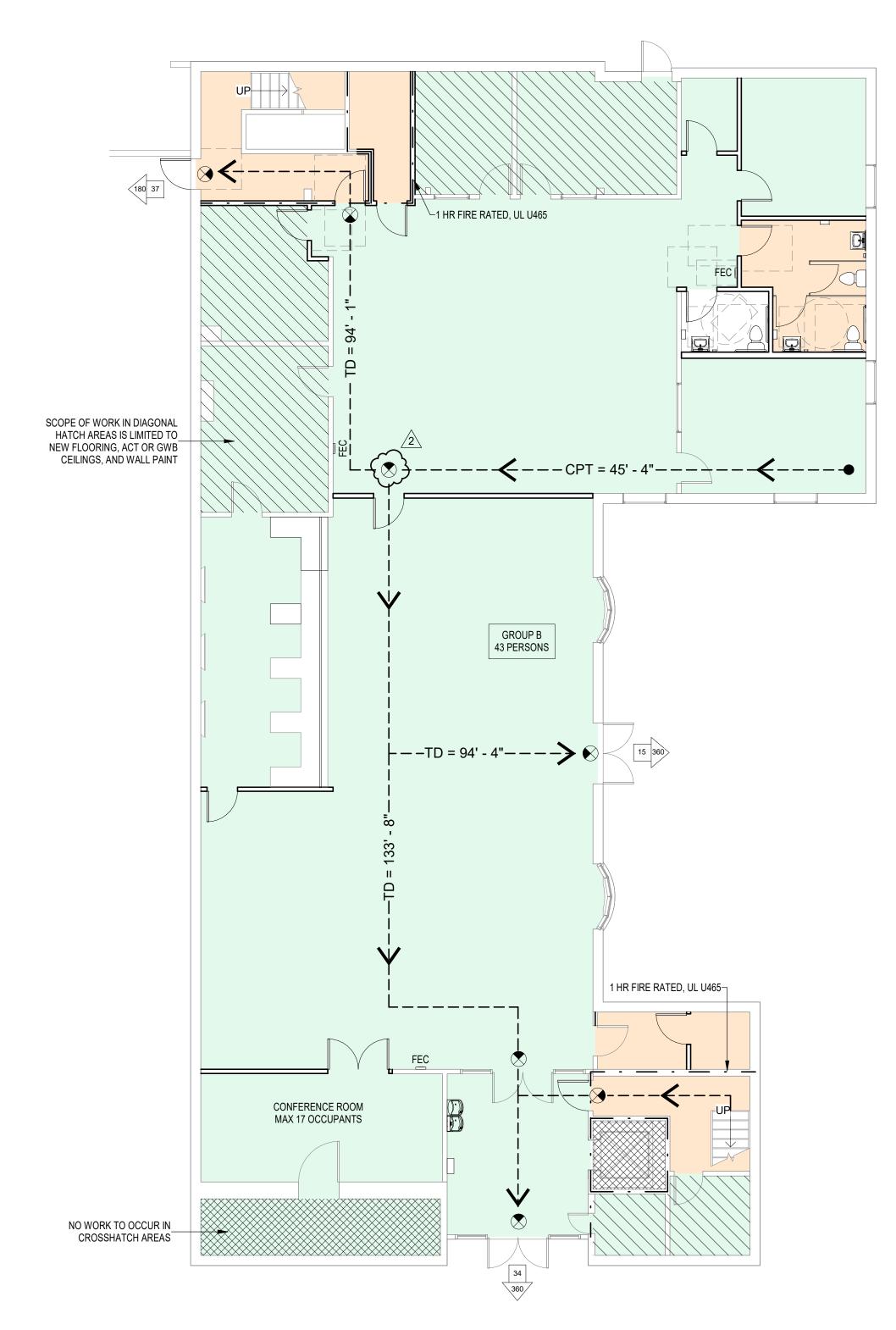
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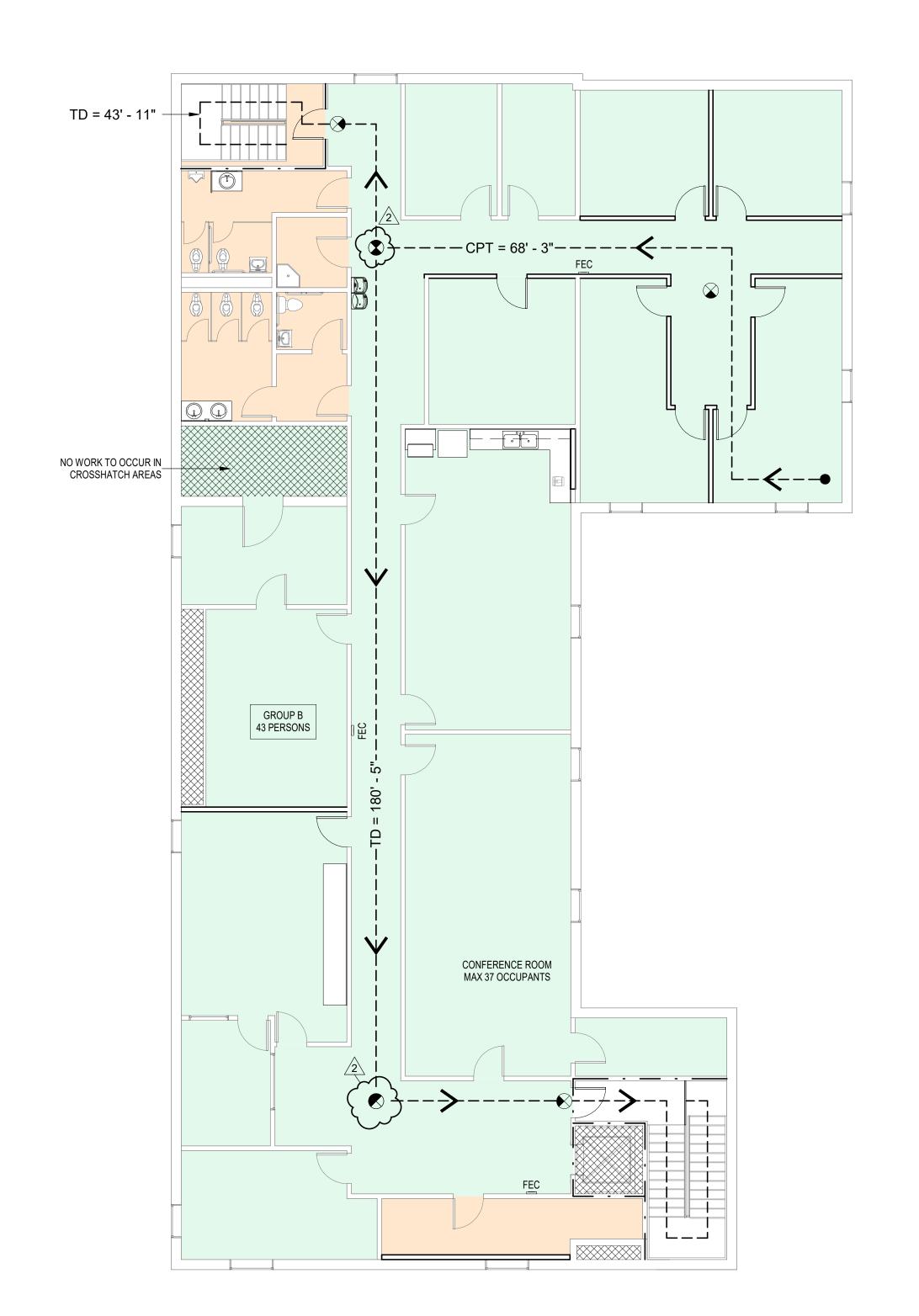
CLASSIFICATION

BUSINESS (B)

ACCESSORY



1 FIRST FLOOR LIFE SAFETY PLAN
1/8" = 1'-0"



OVERALL SECOND FLOOR PLAN
1/8" = 1'-0"

SYMBOLS LEGEND

FIRE ALARM CONTROL PANEL- VERIFY LOCATION W/ OWNER

FEC FIRE EXTINGUISHER & CABINET

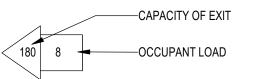
EMERGENCY LIGHTING FIXTURE

NOTE: SEE LIGHTING PLAN ALSO FOR EMERGENCY LIGHTING FIXTURES

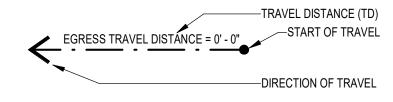
RATED WALLS

1 HOUR RATED

EXIT CAPACITY

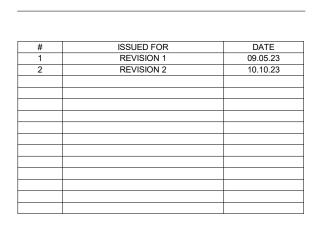


TRAVEL DISTANCE





City of Auburndale - Bank Building



Life Safety Plans

DRAWN BY: D. Sanders
REVIEW BY: E. Breheny

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23023.01 G-002

ALL ABBREVIATIONS ARE GENERAL AND MAY NOT NECESSARILY APPEAR WITH IN THIS SET OF DRAWINGS.

ADDN	EVIATIONS	ALL ABBREVIA	ATIONS ARE GENERAL AND MAY NOT NECES	SARILY APPEAR WITH	H IN THIS SET OF DRAWINGS.
	ANCHOR BOLT	F.D.	FLOOR DRAIN	P.F.	PANEL FABRIC
ABV.	ABOVE	F.E.	FIRE EXTINGUISHER	PFB.	PREFABRICATE(D)
ACC. ACOUS.	ACCESS ACOUSTICAL	F.E.C. F.F.	FIRE EXTINGUISHER CABINET FINISH FLOOR	PFN. PL.	PREFINISHED PLATE
A.C.T.	ACOUSTICAL CEILING TILE	F.H.	FULL HEIGHT	P.LAM.	PLASTIC LAMINATE
	AIR CONDITIONER	F.H.C.	FIRE HOSE CABINET	PLAS.	PLASTER
ADD. ADH.	ADDENDUM ADHESIVE	F.H.R. F.H.S.	FIRE HOSE RACK FIRE HOSE STATION	PLBG. PLWD.	PLUMBING PLYWOOD
ADJ.	ADJUSTABLE	FIN.	FINISH	P.M.	PRESSED METAL
A.F.F.	ABOVE FINISH FLOOR	FL.	FLOOR	PNL.	PANEL
ALUM.	ALTERNATE ALUMINUM	FLASH. FLEX.	FLASHING FLEXIBLE	PNT. POL.	PAINT POLISHED
ANCH.	ANCHOR	FLUOR.	FLUORESCENT	PR.	PAIR
ANNUNC.	ANNUNCIATOR	FPRF.	FIREPROOF	PROP.	PROPERTY
ANOD.	ANODIZED ACCESS PANEL	F.P.S.C. FT.	FIREPROOF SELF CLOSING FOOT (FEET)	P.S. P.S.F.	PULL STATION POUNDS PER SQUARE FOOT
APPROX.	APPROXIMATE	F.T.F.	FACE TO FACE	P.S.I.	POUNDS PER SQUARE INCHES
	ACID RESISTING	FTG.	FOOTING	PT.	POINT
ARCH.	ARCHITECTURAL ABOVE SLAB	FURN. FURR.	FURNISH FURRING	P.T. PTD.	PRESSURE TREATED PAINTED
ASPH.	ASPHALT	FUT.	FUTURE	PTN.	PARTITION
ASST.	ASSISTANT				
AUTO.	AUTOMATIC	GA. GALV.	GAUGE GALVANIZED	Q.T. QTY.	QUARRY TILE QUANTITY
	BOTTOM OF	G.C.	GENERAL CONTRACTOR	QTT.	QO/WIIII
	BASEBOARD	GEN.	GENERAL	R.	RISER
BLDG.	BOARD BUILDING	GL. GND.	GLASS GROUND	RAD. R.B.	RADIUS RUBBER BASE
BKL.	BLOCK	G.PL.	GYPSUM PLASTER	R.C.P.	REFLECTED CEILING PLAN
BKLG.	BLOCKING BEAM	GVL. G.W.B.	GRAVEL GYPSUM WALL BOARD	R.D. REC.	ROOF DRAIN RECESSED
	BENCH MARK	G.W.B. GYP.	GYPSUM WALL BOARD	RECEP.	RECEPTION
ВОТ.	ВОТТОМ	GYP. BD.	GYPSUM BOARD	REF.	REFERENCE
BRG. BRK.	BEARING BRICK	H.	HIGH	REFR. REINF.	REFRIGERATOR REINFORCED(REINFORCING)
יועו.	BOTH SIDES	H.C.	HOLLOW CORE	REQ'D.	REQUIRE
BSE.	BASE	HDCP.	HANDICAPPED	RESIL.	RESILIENT
BSMT. B.T.B.	BASEMENT BACK TO BACK	HDW. HDWD.	HARDWARE HARDWOOD	REV. R.H.	REVISION RIGHT HAND
B.U.R.	BUILT UP ROOFING	H.M.	HOLLOW METAL	RM.	ROOM
CAD	CADINITT	H.O.	HOLD OPEN	R.O.	ROUGH OPENING
CAB.	CABINET CATCH BASIN	HORIZ. H.P.	HORIZONTAL HIGH POINT	S.	SOUTH
CCTV.	CLOSED CIRCUIT TELEVISION	HR.	HOUR	SAN.	SANITARY
CEM.	CEMENT COLUNIO	HT.	HEIGHT	S.C.	SOLID CORE
C.FL.	COUNTER FLASHING CORNER GUARD	HTG. H.V.A.C.	HEATING HEATING, VENTILATING,	SCHED. S.D.	SCHEDULE SOAP DISPENSER
CIRC.	CIRCULATION		AIR CONDITIONER	SECT.	SECTION
	CONTROL JOINT	H.W.	HOT WATER	SECUR. S.F.	SECURITY
	CAULK (ING) CENTER LINE	I.D.	INSIDE DIAMETER	S.F. SHR.	SQUARE FOOT(FEET) SHOWER
CLG.	CEILING	IN.	INCH(ES)	SHT.	SHEET
CLO. CLR.	CLOSET CLEAR	INCAND. INCL.	INCANDESCENT INCLUDE(D)	SIM. SNT.	SIMILAR SEALANT
CLS.	CLOSURE	INFO.	INFORMATION	SPEC.	SPECIFICATION
0.444	CONSTRUCTION MANAGER	INSUL.	INSULATION	SPKR.	SPEAKER
C.M.U.	CONCRETE MASONRY UNIT CLEAN OUT	INT. INTERM.	INTERIOR INTERMEDIATE	SQ. S.S.	SQUARE STAINLESS STEEL
COL.	COLUMN	INV.	INVERT	S.SK.	SERVICE SINK
CONC. CONF.	CONCRETE	JAN.	JANITOR	STA. S.T.C.	STATION
CONF. CONN.	CONFERENCE CONNECTION	J.B.	JOIST BEARING	STD.	SOUND TRANSMISSION CLASS STANDARD
CONST.	CONSTRUCTION	J.C.	JANITOR'S CLOSET	STER.	STERILIZER
CONT. CONTR.	CONTINUOUS CONTRACTOR	JT.	JOINT	STL. STN.	STEEL STONE
COORD.	COORDINATE	K.D.	KNOCK DOWN	STOR.	STORAGE
CORR.	CORRIDOR	K.O.	KNOCK OUT	STRUC.	STRUCTURAL
CPT.	CONTROL PANEL CARPET	KIT. K.S.	KITCHEN KNEE SPACE	SURG. SUSP.	SURGICAL SUSPENDED
Or T.	CLINICAL SINK	11.0.	NACE OF MOL	SWBD.	SWITCHBOARD
0.7.0	CERAMIC TILE	LAB.	LABORATORY	SYM.	SYMMETRICAL
C.T.C. C.T.G.	CENTER TO CENTER CLEAR TEMPERED GLASS	LACQ. LAM.	LACQUERED LAMINATE(D)	T.	TREAD
CTR.	CENTER	LAV.	LAVATORY	T/	TOP OF
CTSK.	COUNTRESUNK CUBIC	LB.(s) L.F.	POUND(S) LINEAR FOOT	T. & B. T. & G.	TOP & BOTTOM TONGUE & GROOVE
C.W.	COLD WATER	LGT.	LENGTH	T.B.D.	TO BE DETERMINED
C.W.G.	CLEAR WIRE GLASS	L.H.	LEFT HAND	TEL.	TELEPHONE
	DRAIN	LIN. LKR.	LINEN LOCKER	TEMP. TER.	TEMPERED TERRAZZO
DBL.	DOUBLE	L.L.	LEAD LINED	THK.	THICK
DEG.	DEGREE DEMOLISH	L.P. LT.	LOW POINT LIGHT	THRU. TLT.	THROUGH
DEMO. DEPT.	DEPARTMENT	LT.WT.	LIGHTWEIGHT	T.O.B.	TOILET TOP OF BEARING
DET.	DETAIL			T.O.P.	TOP OF PLATE
	DRINKING FOUNTAIN DIAMETER	MAR. MAINT.	MARBLE MAINTENANCE	TOPO. T.O.S.	TOPOGRAPHY TOP OF SLAB
DIAG.	DIAGONAL	MAS.	MASONRY	T.O.STL.	TOP OF STEEL
DIFF.	DIFFUSER DIMENSION	MATL.	MATERIAL MAXIMUM	T.V. TYP.	TELEVISION TYPICAL
DISP.	DIMENSION DISPENSER	MAX. MECH.	MAXIMUM MECHANICAL	ITP.	ITTIOAL
	DIVISION	MEMB.	MEMBRANE	UNF.	UNFINISHED
	DOWN DOOR OPENING	MEZZ. MFR.	MEZZANINE MANUFACTURER	U.N.O. U.O.N.	UNLESS NOTED OTHERWISE UNLESS OTHERWISE NOTED
	DAMPPROOFING	MGMT.	MANAGEMENT	UR.	URINAL
	DOOR	MIN.	MINIMUM	UTIL.	UTILITY
DTL.	DOWNSPOUT DETAIL	MISC. M.O.	MISCELLANEOUS MASONRY OPENING	V.	VINYL
	DISH WASHER	MOV.	MOVABLE	VAC.	VACUUM
DWG.	DRAWING	M.R. MTD.	MOISTURE RESISTANCE MOUNTED	V.B. V.C.T.	VINYL BASE VINYL COMPOSITION TILE
	EAST	MTG.	MOUNTING	V.C.T. VENT.	VINYL COMPOSITION TILE VENTILATION
	EACH	MTL.	METAL	VERT.	VERTICAL
E.F.S.	EXPANSION BOLT EXTERIOR FINISH SYSTEM	MUL.	MULLION	VEST. V.I.F.	VESTIBULE VERIFY IN FIELD
E.I.F.S.	EXTERIOR INSULATION FINISH SYSTEM	N.	NORTH	VOL.	VOLUME
	EXPANSION JOINT	N.C.	NURSE CALL	VP.B.	VAPOR BARRIER
ELEC.	ELEVATION ELECTRICAL	N.I.C. NO.	NOT IN CONTRACT NUMBER	V.T. V.W.C.	VINYL TILE VINYL WALL COVERING
ELEV.	ELEVATOR	NOM.	NOMINAL		
EMER. ENCL.	EMERGENCY ENCLOSURE	N.T.S.	NOT TO SCALE	W W/	WEST OR WIDE WITH
ENCL. ENGR.	ENCLOSURE ENGINEER	O.A.	OVERALL	W/ W/O	WITHOUT
ENT.	ENTRANCE	O.C.	ON CENTER	W.C.	WATER CLOSET
E.PNL.	ELECTRICAL PANEL EQUAL	O.D. OFF.	OUTSIDE DIAMETER OFFICE	WD. WDT.	WOOD WIDTH
EQUIP.	EQUAL EQUIPMENT	OFF. OH.	OVERHEAD	W.F.	WIDE FLANGE
EXH.	EXHAUST	OPNG.	OPENING	W.H.	WATER HEATER
EXIST. EXP.	EXISTING EXPANSION	OPP. OPP.H.	OPPOSITE OPPOSITE HANG	W.I. WIN.	WROUGHT IRON WINDOW
EXPO.	EXPOSED	O.T.O.	OUT TO OUT	W.M.	WIRE MESH
EXT.	EXTERIOR	P.A.	PUBLIC ADDRESS	WPFG.	WATERPROOFING
	FABRIC FACE OF	PART. PAV.	Partition Pavement	WSCT. WT.	WAINSCOT WEIGHT
	FIRE ALARM	P.C.	PRECAST	YD.	YARD

GENERAL NOTES

1. THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH SITE CONDITIONS AS THEY MAY AFFECT CARRYING OUT THE WORK AS DESCRIBED IN THESE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL INVESTIGATE, VERIFY, AND BE RESPONSIBLE FOR ALL CONDITIONS OF THE PROJECT, AND NOTIFY THE ARCHITECT OF ANY CONDITIONS THAT REQUIRE MODIFICATION BEFORE PROCEEDING WITH THE WORK.

DIMENSIONS INDICATED ARE TO FACES OF STRUCTURE AND GRID LINES (TYPICAL), UNLESS NOTED OTHERWISE.

REFER TO ENLARGED PLANS FOR DIMENSIONS, DETAIL REFERENCES, AND INTERIOR ELEVATION REFERENCES WITHIN THOSE AREAS. 4. REFER TO STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL FOR ADDITIONAL GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS. ALL NOTES ARE TO

BE REVIEWED, AND APPLIED TO RELATED BUILDING COMPONENTS. DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO THOSE THAT ARE SHOWN. WHERE SPECIFIC DIMENSIONS, DETAILS, OR DESIGN INTENT CANNOT BE DETERMINED OR REASONABLY INFERRED, CONSULT THE ARCHITECT BEFORE PROCEEDING WITH THE WORK. REFER TO STRUCTURAL DRAWINGS FOR STRUCTURAL COLUMN AND BEARING WALL LOCATIONS AND SIZES. REFER TO SHEET G-010 FOR PARTITION TYPES, DETAILS, AND DESCRIPTIONS.

PARTITION TYPES CONTINUE AROUND CORNERS UNLESS INDICATED OTHERWISE. REFER TO REFLECTED CEILING PLANS FOR SOFFIT LOCATIONS AND CEILING DETAIL REFERENCES. WHERE DOORS IN METAL STUD/GYPSUM BOARD PARTITIONS ARE NOT

SPECIFICALLY LOCATED ON THE PLANS WITH DIMENSION STRINGS. PROVIDE A MINIMUM HINGE-SIDE JAMB DIMENSION OF 6" FROM DOOR OPENING TO ADJACENT PERPENDICULAR WALLS. WHERE DOORS APPEAR TO BE CENTERED WITHIN CORRIDORS, LOCATE THE DOORS IN THE CENTER OF THE CORRIDOR. DRAWINGS ARE PREPARED USING DIMENSIONS AND PRODUCT CONFIGURATIONS OR DETAILS OF SPECIFIC MANUFACTURERS (TYPICALLY THE FIRST MANUFACTURER LISTED UNDER "ACCEPTABLE MANUFACTURERS" IN THE SPECIFICATIONS). DIMENSIONS AND DETAILS FOR SPECIFIC PRODUCTS MAY CHANGE BEFORE THEY ARE ACTUALLY INCORPORATED INTO THE WORK, AND PRODUCTS BY OTHER

MANUFACTURERS MAY ALSO BE ACCEPTABLE. THEREFORE, ACTUAL INSTALLATION DETAILS AND DIMENSIONS MAY DIFFER FROM THOSE SHOWN. CONTRACTOR SHALL VERIFY INSTALLATION REQUIREMENTS FOR ALL PRODUCTS TO BE INCORPORATED IN THE WORK (INCLUDING PARTITION THICKNESSES FOR RECESSED OR SEMI-RECESSED PRODUCTS), AND IS RESPONSIBLE FOR ACCOMMODATING AND COORDINATING CHANGES TO OTHER MATERIALS OR PRODUCTS THAT ARE NECESSARY BECAUSE OF THESE DIFFERENCES.

10. THE DRAWINGS AND SPECIFICATIONS ARE SEPARATED INTO DISCIPLINES FOR THE CONVENIENCE OF THE ARCHITECT AND THE CONTRACTOR. THE SEPARATIONS USED HEREIN ARE USED ONLY FOR THE PURPOSES OF CONVENIENCE AND REFERENCE AND IN NO WAY DO THEY DEFINE OR LIMIT THE SCOPE OR INTENT OF ANY PART OF THE DRAWINGS, OR OF THE DRAWINGS AND SPECIFICATIONS AS A WHOLE. THE FACT THAT THE DRAWINGS ARE SEPARATED IN NO WAY SUGGESTS THAT THE WORK IS NOT TO BE CONSTRUCTED AS A COMPLETE, INTEGRATED AND

11. THE DRAWINGS AND SPECIFICATIONS, INCLUDING DRAWINGS PREPARED BY SPECIFIC ENGINEERING DISCIPLINES (SUCH AS CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, ETC.) ARE COMPLEMENTARY; ITEMS SHOWN IN ANY ONE LOCATION IN THE DRAWINGS SHALL BE CONSIDERED TO BE REQUIREMENTS OF THE CONTRACT FOR CONSTRUCTION. IN THE EVENT OF AN INCONSISTENCY BETWEEN THE DRAWINGS AND SPECIFICATIONS, OR WITHIN EITHER DOCUMENT, THE CONTRACTOR SHALL SEEK CLARIFICATION OR INTERPRETATION FROM THE ARCHITECT PRIOR TO BIDDING. WHERE INCONSISTENCIES ARE NOT CLARIFIED PRIOR TO BIDDING, AND WHERE THE ACTUAL SOLUTION OR INTENT CANNOT BE REASONABLY INFERRED, THE CONTRACTOR SHALL INCLUDE THE BETTER QUALITY OR GREATER QUANTITY OF WORK IN THE BID PROPOSAL.

12. WALL, CEILING, BASE, AND FLOOR FINISHES ARE TO BE PROVIDED IN EVERY ROOM UNLESS THE DRAWINGS SPECIFICALLY INDICATE THAT A ROOM OR PORTION THEREOF IS TO REMAIN "UNFINISHED." IF ROOM FINISHES ARE NOT SPECIFICALLY INDICATED, PROVIDE THE SAME FINISHES AS ARE PROVIDED IN THE ROOM ADJACENT TO THE ROOM IN QUESTIONS, OR OBTAIN CLARIFICATION FROM THE ARCHITECT PRIOR TO BIDDING.

13. FIRE-RATED CORRIDOR PARTITIONS INDICATED ON FLOOR PLANS ARE COMPONENTS OF CONTINUOUS RATED CORRIDOR ASSEMBLIES CONSISTING OF WALLS, FLOOR, AND CEILING. SEE REFLECTED CEILING PLANS AND PARTITION YPES FOR SPECIFIC METHODS OF ACHIEVING THE NECESSARY RATINGS. WHERE THE SPECIFIC METHOD OF ACHIEVING THE RATING IS NOT INDICATED, OBTAIN CLARIFICATION FROM THE ARCHITECT PRIOR TO BIDDING. THE RATING OF THE ENTIRE CORRIDOR MUST BE MAINTAINED. PROVIDE RATED PARTITIONS, FLOORS CEILINGS, AND DOOR OR OTHER OPENING ASSEMBLIES TO MAINTAIN THE CONTINUITY OF THE FIRE RATING. PROVIDE FIRE SAFING AND FIRE-RATED SEALANTS TO MAINTAIN THE CONTINUITY OF THE FIRE-RATED SYSTEM. IF A CEILING RATING IS NOT SPECIFICALLY INDICATED, OBTAIN CLARIFICATION FROM THE ARCHITECT PRIOR TO BIDDING; OTHERWISE, ASSUME A RATING TO MATCH THE RATING OF THE CORRIDOR WALLS. WHERE MECHANICAL WORK PENETRATES ANY COMPONENT OF THE FIRE-RATED ASSEMBLY, PROVIDE THE APPROPRIATE FIRE AND/OR SMOKE DAMPERS. IF IT IS NOT CLEAR WHETHER DUCTWORK PENETRATES A PORTION OF THE RATED ASSEMBLY, OBTAIN CLARIFICATION FROM THE ARCHITECT

14. DOOR ASSEMBLIES IN 1-HOUR RATED PARTITIONS ARE TO BE 60-MINUTE RATED UNLESS A HIGHER RATING IS INDICATED IN THE DOOR SCHEDULE. 15. DOOR ASSEMBLIES IN 2-HOUR RATED PARTITIONS ARE TO BE 90-MINUTE RATED UNLESS A HIGHER RATING IS INDICATED IN THE DOOR SCHEDULE. 16. USE TEMPERED GLASS IN ALL OPENINGS WITHIN 18" OF THE FLOOR OR A DOOR, UNLESS ANOTHER FORM OF SAFETY GLAZING IS SPECIFICALLY INDICATED ON THE DRAWINGS.

17. USE FIRE RATED GLAZING IN ALL GLAZED OPENINGS WITHIN FIRE-RATED CORRIDORS.

18. CAULK ALL JOINTS OR CRACKS WHICH OCCUR WHERE DISSIMILAR MATERIALS INTERSECT PERPENDICULAR TO EACH OTHER, AND THE INTERSECTION IS EXPOSED TO VIEW, UNLESS INDICATED OTHERWISE ON THE DRAWINGS. 19. PROVIDE SLIP JOINT CONNECTIONS AT THE TOPS OF ALL PARTITIONS WHICH INTERSECT THE STRUCTURE ABOVE; PROVIDE FIRE-SAFING AT ALL SLIP-JOINT CONNECTIONS IN FIRE-RATED PARTITIONS. SEE PARTITION TYPES FOR TYPICAL SLIP-JOINT CONNECTION DESIGN. IF AMOUNT OF DEFLECTION TO BE

PRIOR TO INSTALLATIONS. 20. PAINT ALL EXPOSED STEEL OR WOOD (UNLESS NOTED OTHERWISE). ALL MATERIAL COLORS TO BE SELECTED BY ARCHITECT, UNLESS NOTED

ACCOMMODATED IS NOT INDICATED, OBTAIN CLARIFICATION FROM THE ARCHITECT

22. M.O. (MASONRY OPENING) REFERS TO NOMINAL MASONRY OPENING DIMENSIONS IN MASONRY CONSTRUCTION.

23. GENERAL CONTRACTOR TO PROVIDE ALL NECESSARY MATERIALS TO INSTALL EQUIPMENT PER MANUFACTURER, NEW AND EXISTING.

GENERAL NOTES, CONT.

24. REFER TO CIVIL DRAWINGS FOR SITE GRADING; REFER TO ARCHITECTURAL SITE PLAN AND ENLARGED SITE PLANS FOR CONCRETE

PAVING PATTERNS AND SPOT ELEVATIONS. 25. STRUCTURAL STEEL OR PRECAST CONCRETE SHAPES ARE SHOWN FOR DETAILING OF ARCHITECTURAL FINISHES ONLY; REFER TO STRUCTURAL DRAWINGS FOR STRUCTURAL DIMENSIONS, SIZES, SHAPES, AND DETAILS OF CONSTRUCTION FOR SPECIFIC CONDITIONS.

26. REFER TO FINISH SCHEDULE AND INTERIOR ELEVATIONS FOR ALL WALL, CEILING, FLOOR, AND BASE MATERIALS AND FINISH DESIGNATIONS. 27. REFER TO REFLECTED CEILING PLANS AND CEILING DETAILS FOR CEILING HEIGHTS, SOFFIT HEIGHTS, AND MATERIALS OF CONSTRUCTION. 28. FLASHING, DAMPPROOFING, AND INSULATIONS SHOWN ON WALL

SECTIONS INDICATE VERTICAL LOCATIONS ONLY; PROVIDE CONTINUOUS 29. PROVIDE SEALANT AND BACKER RODS (TYPICAL) AT ALL EXTERIOR DOOR AND WINDOW FRAMES AND LOUVERS.

30. REFER TO WINDOW SCHEDULE AND ELEVATIONS FOR WINDOW AND

31. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR INTERFACES WITH THESE SYSTEMS NOT SHOWN ON WALL SECTIONS. 32. CONTRACTOR OR WINDOW MANUFACTURER TO DESIGN, PROVIDE AND INSTALL COMPLETE ATTACHMENT OF WINDOW TO STRUCTURAL STEEL OR STRUCTURAL CONCRETE, OR STRUCTURAL CONCRETE MASONRY PER SPECIFICATIONS AND WINDOW MANUFACTURER'S REQUIREMENTS AND IN ACCORDANCE WITH APPLICABLE CODES.

STANDARD TOILET ROOM MOUNTING HEIGHTS:

MOUNTING HEIGHTS INDICATED APPLY FOR TYPICAL CONDITIONS UNLESS NOTED OTHERWISE (DIMENSIONS ARE ABOVE FINISH FLOOR (AFF) TYPICAL). IF CONFLICTS ARE DISCOVERED, REVIEW WITH ARCHITECT PRIOR TO INSTALLATION OF BACK BOXES OR FRAMING. CONFIRM AND MODIFY THESE HEIGHTS AS NECESSARY TO CONFORM TO ADA REQUIREMENTS OR, LOCAL CODES.

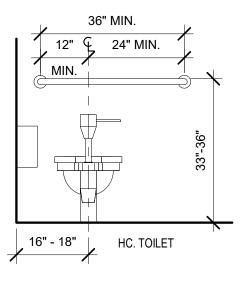
ITEM MOUNTING HEIGHT

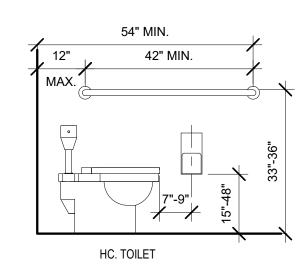
34" MAXIMUM TO RIM OR COUNTER LAVATORY: WATER CLOSET: @ ACCESSIBLE: 17" TO 19" TO TOP OF SEAT @ STANDARD: 14" - 15" TO RIM @ ACCESSIBLE: 17" MAXIMUM TO RIM @ STANDARD:

MIRROR ABOVE LAVATORY: MIRROR NOT ABOVE LAVATORY: SOAP DISPENSERS AT LAVATORIES: PAPER TOWEL DISPENSER: TOILET PAPER DISPENSER: HAND DRYER: NAPKIN DISPENSER: NAPKIN DISPOSAL: HAND HELD SHOWER HEAD: SHOWER SEAT: SHOWER CONTROLS SHOWER ROD: GRAB BAR:

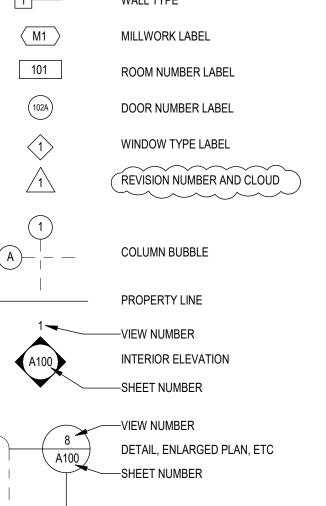
MOP HOLDER:

24" TO RIM 40" MAXIMUM TO BOTTOM OF REFLECTIVE SURFACE 35" MAXIMUM TO BOTTOM OF REFLECTIVE SURFACE 48" MAXIMUM TO OPERABLE CONTROLS 48" MAXIMUM TO OPENING FOR TOWELS OR OPERABLE CONTROLS 15" MINIMUM TO 48" MAXIMUM TO OUTLET 48" MAXIMUM TO OPERATIONAL CONTROLS 48" MAXIMUM TO OPERATIONAL CONTROLS 24" TO CENTER 6'-6" TO CENTER, ON 59" MINIMUM HOSE 17" MINIMUM TO 19" MAXIMUM 38" MINIMUM TO 48" MAXIMUM 6'-6" TO CENTER 33" MINIMUM TO 36" MAXIMUM TO TOP OF GRIPPING SURFACE 72" TO TOP





SYMBOL LEGEND

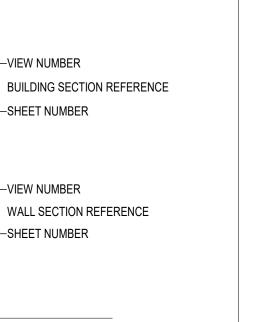


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* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.

1. FLOOR AND CEILING RUNNERS — (NOT SHOWN) — CHANNEL SHAPED RUNNERS, 3-5/8 IN. DEEP (MIN), 1-1/4 IN. LEGS, FORMED FROM MIN NO. 25 MSG GALV STEEL, ATTACHED TO FLOOR AND CEILING WITH FASTENERS SPACED

1A. FRAMING MEMBERS* — FLOOR AND CEILING RUNNERS — (NOT SHOWN) — AS AN ALTERNATE TO ITEM 1 — CHANNEL SHAPED, MIN 3-5/8 IN. DEEP, ATTACHED TO FLOOR AND CEILING WITH FASTENERS 24 IN. OC. MAX. ALLSTEEL & GYPSUM PRODUCTS INC — TYPE SUPREME D24/30EQD AND TYPE SUPREME D20 CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — TYPE SUPREME D24/30EQD AND TYPE SUPREME D20

QUAIL RUN BUILDING MATERIALS INC — TYPE SUPREME D24/30EQD AND TYPE SUPREME D20 SCAFCO STEEL STUD MANUFACTURING CO — TYPE SUPREME D24/30EQD AND TYPE SUPREME D20 STEEL CONSTRUCTION SYSTEMS INC — TYPE SUPREME D24/30EQD AND TYPE SUPREME D20 TELLING INDUSTRIES L L C — TYPE SUPREME D24/30EQD AND TYPE SUPREME D20 UNITED METAL PRODUCTS INC — TYPE SUPREME D24/30EQD AND TYPE SUPREME D20 $\,$

1B. FRAMING MEMBERS* — FLOOR AND CEILING RUNNERS — NOT SHOWN — IN LIEU OF ITEM 1 — FOR USE WITH ITEM 2B, PROPRIETARY CHANNEL SHAPED RUNNERS, 1-1/4 IN. WIDE BY MIN 3-5/8 IN. DEEP FABRICATED FROM MIN 0.020 IN. THICK GALV STEEL, ATTACHED TO FLOOR AND CEILING WITH FASTENERS SPACED 24 IN. OC MAX. CALIFORNIA EXPANDED METAL PRODUCTS CO — VIPER20™ TRACK MARINO/WARE, DIV OF WARE INDUSTRIES INC — VIPER20™ TRACK

IMPERIAL MANUFACTURING GROUP INC — VIPER20™ TRACK 1C. FLOOR AND CEILING RUNNERS — (NOT SHOWN) — FOR USE WITH ITEM 2C — CHANNEL SHAPED, FABRICATED FROM MIN 20 MSG CORROSION-PROTECTED OR GALV STEEL, MIN DEPTH TO ACCOMMODATE STUD SIZE, WITH MIN 1 IN. LONG LEGS, ATTACHED TO FLOOR AND CEILING WITH FASTENERS SPACED MAX 24 IN. OC. 1D. FRAMING MEMBERS* — FLOOR AND CEILING RUNNERS — NOT SHOWN — IN LIEU OF ITEMS 1 THROUGH 1C — FOR USE WITH ITEM 2D AND 4G ONLY, PROPRIETARY CHANNEL SHAPED RUNNERS, 1-1/4 IN. DEEP BY MIN 3-5/8 IN. WIDE FABRICATED FROM MIN 0.018 IN. THICK GALV STEEL, ATTACHED TO FLOOR AND CEILING WITH FASTENERS

SPACED 24 IN. OC MAX. **CLARKDIETRICH BUILDING SYSTEMS** — CD PROTRAK DMFCWBS L L C — PROTRAK

MBA METAL FRAMING — PROTRAK RAM SALES L L C — RAM PROTRAK

STEEL STRUCTURAL PRODUCTS L L C — TRI-S PROTRAK

1E. FRAMING MEMBERS* — FLOOR AND CEILING RUNNERS — NOT SHOWN — IN LIEU OF ITEMS 1 THROUGH 1D -FOR USE WITH ITEM 2E AND 4I ONLY, PROPRIETARY CHANNEL SHAPED RUNNERS, 1-1/4 IN. DEEP BY MIN 3-5/8 IN. WIDE FABRICATED FROM MIN 0.018 IN. THICK GALV STEEL, ATTACHED TO FLOOR AND CEILING WITH FASTENERS SPACED 24 IN. OC MAX. TELLING INDUSTRIES L L C — TRUE-TRACK™

1F. FRAMING MEMBERS* — FLOOR AND CEILING RUNNERS — NOT SHOWN — IN LIEU OF ITEMS 1 THROUGH 1E — FOR USE WITH ITEM 2, CHANNEL SHAPED RUNNERS, 1-1/4 IN. DEEP BY MIN 3-5/8 IN. WIDE FABRICATED FROM MIN 25 MSG STEEL, ATTACHED TO FLOOR AND CEILING WITH FASTENERS SPACED 24 IN. OC MAX. KIRII (HONG KONG) LTD — TYPE KIRII

1G. FRAMING MEMBERS* — FLOOR AND CEILING RUNNERS — NOT SHOWN — IN LIEU OF ITEMS 1 THROUGH 1F — FOR USE WITH ITEM 2, CHANNEL SHAPED RUNNERS, 1-1/4 IN. DEEP BY MIN 3-5/8 IN. WIDE, ATTACHED TO FLOOR AND CEILING WITH FASTENERS SPACED 24 IN. OC MAX. STUDCO BUILDING SYSTEMS — CROCSTUD TRACK

1H. FLOOR AND CEILING RUNNERS — (NOT SHOWN) — CHANNEL SHAPED, FABRICATED FROM MIN 0.02 IN. GALV STEEL. MIN WIDTH TO ACCOMMODATE STUD SIZE. WITH MIN 1 IN. LONG LEGS. FOR USE WITH STUDS SPECIFIED BELOW AND FABRICATED FROM MIN 0.02 IN. GALV STEEL OR THICKER, ATTACHED TO FLOOR AND CEILING WITH FASTENERS SPACED MAX 24 IN. OC.

MARINO/WARE, DIV OF WARE INDUSTRIES INC — VIPER20™ TRACK VT100 IMPERIAL MANUFACTURING GROUP INC — VIPER20™ TRACK VT100

11. FRAMING MEMBERS* — FLOOR AND CEILING RUNNERS — NOT SHOWN — IN LIEU OF ITEM 1 — FOR USE WITH ITEM 2H, PROPRIETARY CHANNEL SHAPED RUNNERS, 1-1/4 IN. WIDE BY MIN 3-5/8 IN. DEEP FABRICATED FROM MIN 0.020 IN. THICK GALV STEEL, ATTACHED TO FLOOR AND CEILING WITH FASTENERS SPACED 24 IN. OC MAX. MARINO/WARE, DIV OF WARE INDUSTRIES INC — VIPER20™ TRACK

1J. FRAMING MEMBERS* — FLOOR AND CEILING RUNNERS — NOT SHOWN — IN LIEU OF ITEMS 1 — FOR USE WITH LBS/FT3. ITEM 2 L, PROPRIETARY CHANNEL SHAPED RUNNERS, 1-1/4 IN. DEEP BY MIN 3-5/8 IN. WIDE FABRICATED FROM MIN 0.018 IN. THICK GALV STEEL, ATTACHED TO FLOOR AND CEILING WITH FASTENERS SPACED 24 IN. OC MAX. RESCUE METAL FRAMING, L L C — ALPHATRAK

1K. FRAMING MEMBERS* — FLOOR AND CEILING RUNNERS — NOT SHOWN — IN LIEU OF ITEM 1 — FOR USE WITH ITEM 2M, PROPRIETARY CHANNEL SHAPED RUNNERS, 1-1/4 IN. WIDE BY MIN 3-5/8 IN. DEEP, FABRICATED FROM MIN 25 MSG (0.018 IN. MIN. BARE METAL THICKNESS), ATTACHED TO FLOOR AND CEILING WITH FASTENERS SPACED 24

CALIFORNIA EXPANDED METAL PRODUCTS CO — VIPER X TRACK

1L. FRAMING MEMBERS* — FLOOR AND CEILING RUNNERS — NOT SHOWN — IN LIEU OF ITEM 1 — FOR USE WITH ITEM 2N, PROPRIETARY CHANNEL SHAPED RUNNERS, 1-1/4 IN. WIDE BY MIN 3-5/8 IN. DEEP FABRICATED FROM MIN 0.020 IN. THICK GALV STEEL, ATTACHED TO FLOOR AND CEILING WITH FASTENERS SPACED 24 IN. OC MAX. CRACO MFG INC — SMARTTRACK20™

2. STEEL STUDS — CHANNEL SHAPED, 3-5/8 IN. DEEP (MIN), FORMED FROM MIN NO. 25 MSG GALV STEEL SPACED 24 IN. OC MAX. STUDS TO BE CUT 3/4 IN. LESS THAN ASSEMBLY HEIGHT. 2A. FRAMING MEMBERS* — STEEL STUDS — AS AN ALTERNATE TO ITEM 2 — CHANNEL SHAPED STUDS, MIN 3-5/8 IN. DEEP, SPACED A MAX OF 24 IN. OC. STUDS TO BE CUT 3/4 IN. LESS THAN ASSEMBLY HEIGHT.

ALLSTEEL & GYPSUM PRODUCTS INC — TYPE SUPREME D24/30EQD AND TYPE SUPREME D20 CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — TYPE SUPREME D24/30EQD AND TYPE SUPREME D20

QUAIL RUN BUILDING MATERIALS INC — TYPE SUPREME D24/30EQD AND TYPE SUPREME D20 SCAFCO STEEL STUD MANUFACTURING CO — TYPE SUPREME D24/30EQD AND TYPE SUPREME D20 STEEL CONSTRUCTION SYSTEMS INC — TYPE SUPREME D24/30EQD AND TYPE SUPREME D20 **TELLING INDUSTRIES L L C** — TYPE SUPREME D24/30EQD AND TYPE SUPREME D20 UNITED METAL PRODUCTS INC — TYPE SUPREME D24/30EQD AND TYPE SUPREME D20

2B. FRAMING MEMBERS* — STEEL STUDS — NOT SHOWN — IN LIEU OF ITEM 2 — FOR USE WITH ITEM 1B, PROPRIETARY CHANNEL SHAPED STEEL STUDS, 1-1/4 IN. WIDE BY MIN 3-5/8 IN. DEEP FABRICATED FROM MIN 0.020 IN. THICK GALV STEEL. STUDS CUT 3/4 IN. LESS IN LENGTH THAN ASSEMBLY HEIGHT. CALIFORNIA EXPANDED METAL PRODUCTS CO — VIPER20™

CRACO MFG INC — SMARTSTUD20™ MARINO/WARE, DIV OF WARE INDUSTRIES INC — VIPER20™ IMPERIAL MANUFACTURING GROUP INC — VIPER20™

2C. STEEL STUDS — (AS AN ALTERNATE TO ITEM 2, FOR USE WITH ITEM 1C) — CHANNEL SHAPED, FABRICATED FROM MIN 20 MSG CORROSION-PROTECTED OR GALV STEEL, 3-1/2 IN. MIN DEPTH, SPACED A MAX OF 16 IN. OC. STUDS FRICTION-FIT INTO FLOOR AND CEILING RUNNERS. STUDS TO BE CUT 5/8 TO 3/4 IN. LESS THAN ASSEMBLY HEIGHT. SEE MATERIALS IN ITEM(S) 4 THAT REQUIRE ITEM 2C STUDS.

2D. FRAMING MEMBERS* — STEEL STUDS — AS AN ALTERNATE TO ITEMS 2 THROUGH 2C — FOR USE WITH ITEM 1D AND 4G ONLY, CHANNEL SHAPED STUDS, MIN 3-5/8 IN. WIDE FABRICATED FROM MIN 0.018 IN. THICK GALV STEEL, SPACED A MAX OF 24 IN. OC. STUDS TO BE CUT 1/2 IN. LESS THAN ASSEMBLY HEIGHT. **CLARKDIETRICH BUILDING SYSTEMS** — CD PROSTUD

DMFCWBS L L C — PROSTUD **MBA METAL FRAMING** — PROSTUD

RAM SALES L L C — RAM PROSTUD STEEL STRUCTURAL PRODUCTS L L C — TRI-S PROSTUD

2E. FRAMING MEMBERS* — STEEL STUDS — AS AN ALTERNATE TO ITEMS 2 THROUGH 2D — FOR USE WITH ITEM 1E AND 4I ONLY, CHANNEL SHAPED STUDS, MIN 3-5/8 IN. WIDE FABRICATED FROM MIN 0.018 IN. THICK GALV STEEL, SPACED A MAX OF 24 IN. OC. STUDS TO BE CUT 1/2 IN. LESS THAN ASSEMBLY HEIGHT TELLING INDUSTRIES L L C — TRUE-STUD™

2F. **FRAMING MEMBERS*** — STEEL STUDS — AS AN ALTERNATE TO ITEMS 2 THROUGH 2E — FOR USE WITH ITEM 1F, CHANNEL SHAPED STUDS, MIN 3-5/8 IN. WIDE FABRICATED FROM MIN 25 MSG STEEL, SPACED A MAX OF 24 IN. OC. STUDS TO BE CUT 1/2 IN. LESS THAN ASSEMBLY HEIGHT. KIRII (HONG KONG) LTD — TYPE KIRII

2G. FRAMING MEMBERS* — STEEL STUDS — NOT SHOWN — IN LIEU OF ITEM 2 THROUGH 2F — FOR USE WITH ITEM 1G. PROPRIETARY CHANNEL SHAPED STUDS. MINIMUM 3-5/8 IN. WIDE. STUDS TO BE CUT 1/2 IN. LESS THAN THE ASSEMBLY HEIGHT. STUDCO BUILDING SYSTEMS — CROCSTUD

2H. FRAMING MEMBERS* — STEEL STUDS — NOT SHOWN — IN LIEU OF ITEM 2 — FOR USE WITH ITEM 11, PROPRIETARY CHANNEL SHAPED STEEL STUDS, 1-1/4 IN. WIDE BY MIN 3-5/8 IN. DEEP FABRICATED FROM MIN 0.020 IN. THICK GALV STEEL. STUDS CUT 3/4 IN. LESS IN LENGTH THAN ASSEMBLY HEIGHT. MARINO/WARE, DIV OF WARE INDUSTRIES INC — VIPER20™

2I. FRAMING MEMBERS* — STEEL STUDS — IN LIEU OF ITEM 2 — FOR USE WITH ITEM 1, CHANNEL SHAPED STUDS, FABRICATED FROM MIN 25 MSG CORROSION-PROTECTED STEEL, 3-5/8 IN. DEEP (MIN), SPACED 24 IN. OC MAX. STUDS TO BE CUT 3/4 IN. LESS THAN ASSEMBLY HEIGHT. **EB METAL INC** — NITROSTUD

2J. FRAMING MEMBERS* — STEEL STUDS — IN LIEU OF ITEM 2 — FOR USE WITH ITEM 1, CHANNEL SHAPED STUDS. FABRICATED FROM MIN 25 MSG CORROSION-PROTECTED STEEL, 3-5/8 IN, DEEP (MIN), SPACED 24 IN, OC MAX. STUDS TO BE CUT 3/4 IN. LESS THAN ASSEMBLY HEIGHT. **OLMAR SUPPLY INC** — PRIMESTUD

2K. FRAMING MEMBERS* — STEEL STUDS — AS AN ALTERNATE TO ITEM 2 — FOR USE WITH ITEM 1B (3-5/8 IN. WIDE TRACK), CHANNEL SHAPED STUDS, FABRICATED FROM MIN 25 MSG CORROSION-PROTECTED STEEL, 1-1/4 IN. WIDE BY 3-5/8 IN. DEEP, SPACED A MAX OF 24 IN. OC. STUDS TO BE CUT 3/8 TO 3/4 IN. LESS THAN ASSEMBLY

2L. FRAMING MEMBERS* — STEEL STUDS — AS AN ALTERNATE TO ITEMS 2 — FOR USE WITH ITEM 1J, CHANNEL SHAPED STUDS, MIN 3-5/8 IN. WIDE FABRICATED FROM MIN 0.018 IN. THICK GALV STEEL, SPACED A MAX OF 24 IN.

RESCUE METAL FRAMING, L L C — ALPHASTUD 2M. FRAMING MEMBERS* — STEEL STUDS — NOT SHOWN — IN LIEU OF ITEM 2 — FOR USE WITH ITEM 1K, PROPRIETARY CHANNEL SHAPED STEEL STUDS, MIN 1-1/4 IN. WIDE BY MIN 3-5/8 IN. DEEP, FABRICATED FROM MIN 25 MSG (0.018 IN. MIN. BARE METAL THICKNESS). STUDS CUT 3/4 IN. LESS IN LENGTH THAN ASSEMBLY HEIGHT.

2N. FRAMING MEMBERS* — STEEL STUDS — NOT SHOWN — IN LIEU OF ITEM 2 — FOR USE WITH ITEM 1L, PROPRIETARY CHANNEL SHAPED STEEL STUDS, 1-1/4 IN. WIDE BY MIN 3-5/8 IN. DEEP FABRICATED FROM MIN 0.020 IN. THICK GALV STEEL. STUDS CUT 3/4 IN. LESS IN LENGTH THAN ASSEMBLY HEIGHT. CRACO MFG INC — SMARTSTUD20™

3. BATTS AND BLANKETS* — (OPTIONAL) — MINERAL WOOL OR GLASS FIBER BATTS PARTIALLY OR COMPLETELY

SEE BATTS AND BLANKETS (BZJZ) CATEGORY FOR NAMES OF CLASSIFIED COMPANIES. ROCKWOOL — TYPE AFB, MIN. DENSITY 1.69 PCF / 27.0 KG/M3

MARINO/WARE, DIV OF WARE INDUSTRIES INC — STUDRITE™

OC. STUDS TO BE CUT 3/4 IN. LESS THAN ASSEMBLY HEIGHT.

CALIFORNIA EXPANDED METAL PRODUCTS CO — VIPER X

INTERNATIONAL CELLULOSE CORP — CELBAR-RL

ROCKWOOL MALAYSIA SDN BHD — TYPE ACOUSTICAL FIRE BATTS 3A. FIBER, SPRAYED* — AS AN ALTERNATE TO BATTS AND BLANKETS (ITEM 3) — (100% BORATE FORMULATION) — SPRAY APPLIED CELLULOSE MATERIAL. THE FIBER IS APPLIED WITH WATER TO COMPLETELY FILL THE ENCLOSED CAVITY IN ACCORDANCE WITH THE APPLICATION INSTRUCTIONS SUPPLIED WITH THE PRODUCT WITH A NOMINAL DRY DENSITY OF 2.7 LB/FT3. ALTERNATE APPLICATION METHOD: THE FIBER IS APPLIED WITHOUT WATER OR ADHESIVE AT A NOMINAL DRY DENSITY OF 3.5 LB/FT3, IN ACCORDANCE WITH THE APPLICATION INSTRUCTIONS

SUPPLIED WITH THE PRODUCT. APPLEGATE GREENFIBER ACQUISITION LLC — INS735, INS745, INS750LD, AND INSULMAX FOR USE WITH WET OR DRY APPLICATION. INS765LD AND INS773LD ARE TO BE USED FOR DRY APPLICATION ONLY

3B. FIBER, SPRAYED* — AS AN ALTERNATE TO BATTS AND BLANKETS (ITEM 3) — SPRAY APPLIED CELLULOSE INSULATION MATERIAL. THE FIBER IS APPLIED WITH WATER TO INTERIOR SURFACES IN ACCORDANCE WITH THE APPLICATION INSTRUCTIONS SUPPLIED WITH THE PRODUCT. APPLIED TO COMPLETELY FILL THE ENCLOSED CAVITY. MINIMUM DRY DENSITY OF 4.3 POUNDS PER CUBIC FT. NU-WOOL CO INC — CELLULOSE INSULATION

3C. FIBER, SPRAYED* — AS AN ALTERNATE TO BATTS AND BLANKETS (ITEM 3) — SPRAY APPLIED CELLULOSE FIBER. THE FIBER IS APPLIED WITH WATER TO COMPLETELY FILL THE ENCLOSED CAVITY IN ACCORDANCE WITH THE APPLICATION INSTRUCTIONS SUPPLIED WITH THE PRODUCT. THE MINIMUM DRY DENSITY SHALL BE 4.30

3D. BATTS AND BLANKETS* — FOR USE WITH ITEM 8. NOM 3 IN. THICK, MINIMUM 3.4 PCF MINERAL WOOL BATTS, FRICTION FIT BETWEEN THE STUDS AND FLOOR AND CEILING RUNNERS. SEE BATTS AND BLANKETS (BZJZ) CATEGORY FOR NAMES OF MANUFACTURERS.

3E. BATTS AND BLANKETS* — FOR USE WITH ITEM 4R AND 4S. PLACED IN STUD CAVITIES, ANY MIN. 3-1/2 IN. THICK GLASS FIBER INSULATION BEARING THE UL CLASSIFICATION MARKING AS TO SURFACE BURNING CHARACTERISTICS AND/OR FIRE RESISTANCE.

3F, FIBER, SPRAYED* — AS AN ALTERNATE TO BATTS AND BLANKETS (ITEM 3) — SPRAY-APPLIED CELLULOSE MATERIAL. THE FIBER IS APPLIED WITH WATER TO COMPLETELY FILL THE ENCLOSED CAVITY IN ACCORDANCE WITH THE APPLICATION INSTRUCTIONS SUPPLIED WITH THE PRODUCT. TO FACILITATE THE INSTALLATION OF THE MATERIAL, ANY THIN, WOVEN OR NON-WOVEN NETTING MAY BE ATTACHED BY ANY MEANS POSSIBLE TO THE OUTER FACE THE STUDS. THE MATERIAL SHALL REACH EQUILIBRIUM MOISTURE CONTENT BEFORE THE INSTALLATION OF MATERIALS ON EITHER FACE OF THE STUDS. THE MINIMUM DRY DENSITY SHALL BE 5.79

APPLEGATE HOLDINGS L L C — APPLEGATE ADVANCED STABILIZED CELLULOSE INSULATION

SEE BATTS AND BLANKETS (BKNV OR BZJZ) CATEGORIES FOR NAMES OF CLASSIFIED COMPANIES.

3G. FOAMED PLASTIC* — AS AN ALTERNATE TO BATTS AND BLANKETS (ITEM 3), FOR USE WITH ITEM 4U — SPRAY APPLIED. FOAMED PLASTIC INSULATION, AT ANY THICKNESS FROM PARTIAL FILL TO COMPLETELY FILLING STUD CAVITY, WHEN FOAMED PLASTIC IS USED. MINIMUM STUD DEPTH SHALL BE 3-1/2 IN.

CARLISLE SPRAY FOAM INSULATION — TYPES SEALTITE PRO CLOSED CELL (CC), SEALTITE PRO OPEN CELL (OC), SEALTITE PRO OCX, SEALTITE PRO NO TRIM 21, SEALTITE PRO ONE ZERO, FOAMSULATE CLOSED CELL, FOAMSULATE OCX, FOAMSULATE 70, AND FOAMSULATE HFO.

3H. FOAMED PLASTIC* — AS AN ALTERNATE TO BATTS AND BLANKETS (ITEM 3), FOR USE WITH ITEM 4W — SPRAY APPLIED, FOAMED PLASTIC INSULATION, AT ANY THICKNESS FROM PARTIAL FILL TO COMPLETELY FILLING STUD CAVITY. WHEN FOAMED PLASTIC IS USED, MINIMUM STUD DEPTH SHALL BE 3-1/2 IN. WITH MIN. 20 MSG

BASF CORP - ENERTITE® NM, ENERTITE® G, FE178®, SPRAYTITE® 178, SPRAYTITE® 81206, WALLTITE® 200, WALLTITE® US, WALLTITE® US-N, WALLTITE® HP+, FE137®, FE158®, SPRAYTITE® 158, SPRAYTITE® SP AND

4. GYPSUM BOARD* — 5/8 IN. THICK, 4 FT WIDE, ATTACHED TO STEEL STUDS AND FLOOR AND CEILING TRACK WITH 1 IN. LONG, TYPE S STEEL SCREWS SPACED 8 IN. OC. ALONG EDGES OF BOARD AND 12 IN. OC IN THE FIELD OF THE BOARD. JOINTS ORIENTED VERTICALLY AND STAGGERED ON OPPOSITE SIDES OF THE ASSEMBLY. WHEN STEEL FRAMING MEMBERS* (ITEM 6 OR ANY ALTERNATE CLIPS) ARE USED, GYPSUM BOARD IS SCREW ATTACHED TO FURRING CHANNELS WITH 1 IN. LONG, TYPE S STEEL SCREWS SPACED 12 IN. OC. AMERICAN GYPSUM CO — TYPES AG-C, AGX-1, M-GLASS, LIGHTROC

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO — TYPE DBX-1 **CABOT MANUFACTURING ULC** — TYPE X, 5/8 TYPE X, TYPE BLUEGLASS EXTERIOR SHEATHING CGC INC — TYPES AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, USGX, WRC OR WRX (JOINT TAPE AND COMPOUND, ITEM 5, OPTIONAL FOR USE WITH TYPE USGX)

CERTAINTEED GYPSUM INC — TYPES EGRG, GLASROC, TYPE X-1, TYPE C, 5/8" EASI-LITE TYPE X, EASI-LITE TYPE X-2. TYPE LWTX CERTAINTEED GYPSUM INC — TYPES LGFC2A, LGFC6A, LGFC-C/A, LGFC-WD, LGLLX GEORGIA-PACIFIC GYPSUM L L C — TYPES 5, 6, 9, C, DAP, DD, DA, DAPC, DGG, DS, GPFS6, LS, TYPE X, VENEER PLASTER BASE - TYPE X, WATER RATED - TYPE X, SHEATHING - TYPE X, SOFFIT - TYPE X, TG-C, GREENGLASS TYPE X, TYPE X COMFORTGUARD SOUND DEADENING GYPSUM BOARD, TYPE LWX, VENEER PLASTER BASE-TYPE

DGLW, SHEATHING TYPE- DGLW, SOFFIT-TYPE DGLW, TYPE LW2X, VENEER PLASTER BASE - TYPE LW2X, WATER RATED - TYPE LW2X, SHEATHING - TYPE LW2X, SOFFIT - TYPE LW2X, TYPE DGL2W, WATER RATED - TYPE DGL2W, SHEATHING - TYPE DGL2W NATIONAL GYPSUM CO — TYPES EXP-C, FSK, FSK-C, FSK-G, FSMR-C, FSW-C, FSW-G, FSW-3, FSW-3, FSW-6,

LWX, WATER RATED-TYPE LWX, SHEATHING TYPE-LWX, SOFFIT-TYPE LWX, TYPE DGLW, WATER RATED-TYPE

FSW-8, FSL, RSX. NATIONAL GYPSUM CO — RIYADH, SAUDI ARABIA — TYPE FR, OR WR PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — TYPES PG-C, PG-9, PG-11, PGS-WRS, PGI

PANEL REY S A — TYPES GREX, GRIX, PRC, PRC2, PRX, RHX, MDX, ETX, PRX2 SAINT-GOBAIN GYPROC MIDDLE EAST FZE — TYPE GYPROC FIRESTOP, GYPROC FIRESTOP MR, GYPROC FIRESTOP M2TECH, GYPROC FIRESTOP ACTIV'AIR, GYPROC FIRESTOP MR ACTIV'AIR, GYPROC FIRESTOP M2TECH ACTIV'AIR, GYPROC DURALINE, GYPROC DURALINE MR, GYPROC DURALINE M2TECH, GYPROC DURALINE ACTIV'AIR, GYPROC DURALINE MR ACTIV'AIR, GYPROC DURALINE M2TECH ACTIV'AIR SIAM GYPSUM INDUSTRY (SARABURI) CO LTD — TYPE EX-1

THAI GYPSUM PRODUCTS PCL — TYPE X, TYPE C UNITED STATES GYPSUM CO — TYPE AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, USGX, WRC, WRX. (JOINT TAPE AND COMPOUND, ITEM 5, OPTIONAL FOR USE WITH TYPE USGX) USG BORAL DRYWALL SFZ LLC — TYPES C, SCX, USGX (JOINT TAPE AND COMPOUND, ITEM 5, OPTIONAL FOR USE USG MEXICO S A DE C V — TYPE AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, USGX, WRC OR WRX (JOINT TAPE

AND COMPOUND, ITEM 5, OPTIONAL FOR USE WITH TYPE USGX)

TYPE USGX)

4A. GYPSUM BOARD* — (AS ALTERNATE TO ITEM 4) — NOM 5/8 IN. THICK GYPSUM PANELS WITH BEVELED, SQUARE OR TAPERED EDGES, APPLIED VERTICALLY OR HORIZONTALLY. VERTICAL JOINTS CENTERED OVER STUDS AND STAGGERED ONE STUD CAVITY ON OPPOSITE SIDES OF STUDS. HORIZONTAL EDGE JOINTS AND HORIZONTAL BUTT JOINTS ON OPPOSITE SIDES OF STUDS NEED NOT BE STAGGERED OR BACKED BY STEE FRAMING. PANELS ATTACHED TO STEEL STUDS AND FLOOR RUNNER WITH 1 IN. LONG TYPE S STEEL SCREWS SPACED 8 IN. OC WHEN APPLIED HORIZONTALLY, OR 8 IN. OC ALONG VERTICAL AND BOTTOM EDGES AND 12 IN. OC IN THE FIELD WHEN PANELS ARE APPLIED VERTICALLY. WHEN USED IN WIDTHS OTHER THAN 48 IN., GYPSUM PANELS TO BE INSTALLED HORIZONTALLY. WHEN USING ULIX, PANELS NEED NOT BE STAGGERED IN HORIZONTAL APPLICATIONS AND SCREW SPACING CAN BE INCREASED TO 12 IN. OC IN FIELD AND PERIMETER. CERTAINTEED GYPSUM INC — TYPE X-1, TYPE C, TYPE EGRG/ GLASROC, GLASROC-2, TYPE SILENTFX, EASI-LITE

CGC INC — TYPES AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, USGX, WRC OR WRX (JOINT TAPE AND

COMPOUND, ITEM 5, OPTIONAL FOR USE WITH TYPE USGX) CERTAINTEED GYPSUM INC — TYPES LGFC2A, LGFC6A, LGFC-C/A, LGFC-WD GEORGIA-PACIFIC GYPSUM L L C — TYPES DAP, DAPC, DGG, DS

SAINT-GOBAIN GYPROC MIDDLE EAST FZE — TYPE GYPROC FIRESTOP, GYPROC FIRESTOP MR, GYPROC FIRESTOP M2TECH, GYPROC FIRESTOP ACTIV'AIR, GYPROC FIRESTOP MR ACTIV'AIR, GYPROC FIRESTOP M2TECH ACTIV'AIR, GYPROC DURALINE, GYPROC DURALINE MR, GYPROC DURALINE M2TECH, GYPROC DURALINE ACTIV'AIR, GYPROC DURALINE MR ACTIV'AIR, GYPROC DURALINE M2TECH ACTIV'AIR THAI GYPSUM PRODUCTS PCL — TYPE X, TYPE C UNITED STATES GYPSUM CO — TYPES AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, USGX, WRC,

WRX (JOINT TAPE AND COMPOUND, ITEM 5, OPTIONAL FOR USE WITH TYPE USGX) **USG BORAL DRYWALL SFZ LLC** — TYPES C, SCX, USGX (JOINT TAPE AND COMPOUND, ITEM 5, OPTIONAL FOR USE WITH TYPE USGX)

USG MEXICO S A DE C V — TYPE AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, USGX, WRC OR WRX (JOINT TAPE AND COMPOUND, ITEM 5, OPTIONAL FOR USE WITH TYPE USGX)

4B. GYPSUM BOARD* — (AS AN ALTERNATE TO ITEMS 4 OR 4A) — NOM 3/4 IN. THICK, 4 FT WIDE, INSTALLED AS DESCRIBED IN ITEM 4A WITH SCREW LENGTH INCREASED TO 1-1/4 IN. CGC INC — TYPES AR, IP-AR

UNITED STATES GYPSUM CO — TYPES AR, IP-AR USG MEXICO S A DE C V — TYPES AR, IP-AR

4C. GYPSUM BOARD* — AS AN ALTERNATE TO ITEMS 4, 4A, AND 4B — NOM. 5/8 IN. THICK GYPSUM PANELS, WITH 4S. GYPSUM BOARD* — AS AN ALTERNATE TO ITEM 4. FOR USE WITH ITEM 3E, BATTS AND BLANKETS* — 5/8 IN. SQUARE EDGES, APPLIED HORIZONTALLY. GYPSUM PANELS FASTENED TO FRAMING WITH 1 IN. LONG BUGLE HEAD STEEL SCREWS SPACED A MAX 8 IN. OC, WITH LAST 2 SCREWS 3/4 IN. AND 4 IN. FROM EACH EDGE OF BOARD, HORIZONTAL JOINTS NEED NOT BE BACKED BY STEEL FRAMING, HORIZONTAL EDGE JOINTS AND HORIZONTAL BUTT JOINTS ON OPPOSITE SIDES OF STUDS ON INTERIOR WALLS NEED NOT BE STAGGERED OR

BACKED BY STEEL FRAMING GEORGIA-PACIFIC GYPSUM L L C — TYPE DGG, GREENGLASS TYPE X

4D. GYPSUM BOARD* — AS AN ALTERNATE TO ITEMS 4, 4A, 4B, AND 4C — NOM. 5/8 IN. THICK GYPSUM PANELS APPLIED VERTICALLY OR HORIZONTALLY. VERTICAL JOINTS CENTERED OVER STUDS AND STAGGERED ONE STUD CAVITY ON OPPOSITE SIDES OF STUDS. HORIZONTAL EDGE JOINTS AND HORIZONTAL BUTT JOINTS ON OPPOSITE SIDES OF STUDS NEED NOT BE STAGGERED OR BACKED BY STEEL FRAMING. GYPSUM PANELS FASTENED TO FRAMING WITH 1 IN. LONG TYPE S STEEL SCREWS 12 IN. OC ALONG VERTICAL EDGES AND IN THE FIELD. SCREWS SPACED A MAX 12 IN. ALONG THE TOP AND BOTTOM EDGES OF THE WALL FOR BOTH VERTICAL AND HORIZONTAL APPLICATIONS. WHEN USED IN WIDTHS OTHER THAN 48 IN., GYPSUM PANELS TO BE

INSTALLED HORIZONTALLY. NATIONAL GYPSUM CO — TYPES EXP-C, FSK, FSK-C, FSK-G, FSL, FSW-C, FSW-G, FSW, FSW-3, FSW-5, FSW-6,

4E. GYPSUM BOARD* — (AS AN ALTERNATE TO ITEMS 4 THROUGH 4D) — INSTALLED AS DESCRIBED IN ITEM 4. 5/8 IN. THICK, 4 FT. WIDE, APPLIED VERTICALLY ONLY AND FASTENED TO THE STUDS AND PLATES WITH 1 IN. LONG, TYPE S STEEL SCREWS SPACED, 12 IN. OC. NATIONAL GYPSUM CO — TYPE SBWB

4F. **GYPSUM BOARD*** — (NOT SHOWN) — (AS AN ALTERNATE TO ITEM 4 WHEN USED AS THE BASE LAYER ON ONE OR BOTH SIDES OF WALL. FOR DIRECT ATTACHMENT ONLY TO STEEL STUDS ITEM 2C) - NOM 5/8 IN. THICK LEAD BACKED GYPSUM PANELS WITH BEVELED, SQUARE OR TAPERED EDGES, APPLIED VERTICALLY. VERTICAL JOINTS CENTERED OVER STUDS AND STAGGERED MIN 1 STUD CAVITY ON OPPOSITE SIDES OF STUDS. GYPSUM BOARD SECURED TO STUDS WITH 1-1/4 IN. LONG TYPE S-12 STEEL SCREWS SPACED 8 IN. OC AT PERIMETER AND 12 IN. OC IN THE FIELD.

4G. GYPSUM BOARD* — (AS AN ALTERNATE TO ITEMS 4 THROUGH 4F) — FOR USE WITH ITEMS 1D AND 2D ONLY, 5/8 IN. THICK, 4 FT WIDE, ATTACHED TO STEEL STUDS AND FLOOR AND CEILING TRACK WITH 1 IN. LONG, TYPE S STEEL SCREWS SPACED 8 IN. OC. ALONG EDGES OF BOARD AND 12 IN. OC IN THE FIELD OF THE BOARD. JOINTS ORIENTED VERTICALLY AND STAGGERED ON OPPOSITE SIDES OF THE ASSEMBLY. WHEN USING ULIX, PANELS NEED NOT BE STAGGERED IN HORIZONTAL APPLICATIONS AND SCREW SPACING CAN BE INCREASED TO 12 IN. OC IN FIELD AND PERIMETER.

CGC INC — TYPE SCX. ULIX **CERTAINTEED GYPSUM INC** — TYPE LGFC6A, LGFC-C/A NATIONAL GYPSUM CO — TYPES FSW UNITED STATES GYPSUM CO — TYPE SCX, ULIX **USG BORAL DRYWALL SFZ LLC** — TYPE SCX

RAY-BAR ENGINEERING CORP — TYPE RB-LBG

4H. GYPSUM BOARD* — (AS AN ALTERNATE TO ITEMS 4 THROUGH 4G) — NOMINAL 5/8 IN. THICK, 4 FT WIDE PANELS, APPLIED VERTICALLY AND SECURED AS DESCRIBED IN ITEM 4. PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — TYPE QUIETROCK ES

4I. GYPSUM BOARD* — (AS AN ALTERNATE TO ITEMS 4 THROUGH 4F) — 5/8 IN. THICK, 4 FT WIDE, ATTACHED TO STEEL STUDS AND FLOOR AND CEILING TRACK WITH 1 IN. LONG, TYPE S STEEL SCREWS SPACED 8 IN. OC. ALONG EDGES OF BOARD AND 12 IN. OC IN THE FIELD OF THE BOARD, JOINTS ORIENTED VERTICALLY AND STAGGERED ON OPPOSITE SIDES OF THE ASSEMBLY. WHEN USING ULIX, PANELS NEED NOT BE STAGGERED IN HORIZONTAL APPLICATIONS AND SCREW SPACING CAN BE INCREASED TO 12 IN. OC IN FIELD AND PERIMETER. WHEN USING ULIX, PANELS NEED NOT BE STAGGERED IN HORIZONTAL APPLICATIONS AND SCREW SPACING CAN BE INCREASED TO 12 IN. OC IN FIELD AND PERIMETER. CGC INC — TYPES SCX. ULIX

UNITED STATES GYPSUM CO — TYPES SCX, ULIX **USG BORAL DRYWALL SFZ LLC** — TYPE SCX

4J. GYPSUM BOARD* — (NOT SHOWN) — (AS AN ALTERNATE TO ITEM 4 WHEN USED AS THE BASE LAYER ON ONE OR BOTH SIDES OF WALL. FOR DIRECT ATTACHMENT ONLY TO STEEL STUDS ITEM 2C) — NOM 5/8 IN. THICK LEAD BACKED GYPSUM PANELS WITH BEVELED, SQUARE OR TAPERED EDGES, APPLIED VERTICALLY. VERTICAL JOINTS CENTERED OVER STUDS AND STAGGERED MIN 1 STUD CAVITY ON OPPOSITE SIDES OF STUDS. GYPSUM BOARD SECURED TO STUDS WITH 1-1/4 IN. LONG TYPE S-12 STEEL SCREWS SPACED 8 IN. OC AT PERIMETER AND 12 IN. OC IN THE FIELD. TO BE USED WITH LEAD BATTEN STRIPS (SEE ITEM 9A) OR LEAD DISCS (SEE ITEM

MAYCO INDUSTRIES INC — TYPE X-RAY SHIELDED GYPSUM

4K. GYPSUM BOARD* — (AS AN ALTERNATE TO ITEM 4 AND 4A, NOT FOR USE WITH ITEMS 1D, 1E, 2D AND 2E) — NOM. 5/8 IN. THICK GYPSUM PANELS WITH BEVELED, SQUARE OR TAPERED EDGES INSTALLED AS DESCRIBED IN ITFM 4 AND 4A CGC INC — TYPE ULX

UNITED STATES GYPSUM CO — TYPE ULX USG MEXICO S A DE C V — TYPE ULX

4L. GYPSUM BOARD* — (NOT SHOWN) — (AS AN ALTERNATE TO ITEM 4 WHEN USED AS THE BASE LAYER ON ONE OR BOTH SIDES OF WALL. FOR DIRECT ATTACHMENT ONLY TO STEEL STUDS ITEM 2C). NOM 5/8 IN. THICK LEAD BACKED GYPSUM PANELS WITH BEVELED, SQUARE OR TAPERED EDGES, APPLIED VERTICALLY. VERTICAL JOINTS CENTERED OVER STUDS AND STAGGERED MIN 1 STUD CAVITY ON OPPOSITE SIDES OF STUDS. WALLBOARD SECURED TO STUDS WITH 1-1/4 IN. LONG TYPE S-12 STEEL SCREWS GYPSUM PANEL STEEL SCREWS SPACED 8 IN. OC AT PERIMETER AND 12 IN. OC IN THE FIELD. LEAD BATTEN STRIPS REQUIRED BEHIND VERTICAL JOINTS OF LEAD BACKED GYPSUM WALLBOARD AND OPTIONAL AT REMAINING STUD LOCATIONS. LEAD BATTEN STRIPS, MIN 2 IN, WIDE, MAX 8 FT LONG WITH A MAX THICKNESS OF 0.14 IN, PLACED ON THE FACE OF STUDS AND ATTACHED TO THE STUD WITH CONSTRUCTION ADHESIVE AND TWO 1 IN. LONG TYPE S-12 PAN HEAD STEEL SCREWS, ONE AT THE TOP OF THE STRIP AND ONE AT THE BOTTOM OF THE STRIP. LEAD DISCS, NOMINAL 3/8 IN. DIAM BY MAX 0.085 IN. THICK. COMPRESSION FITTED OR ADHERED OVER THE SCREW HEADS. LEAD BATTEN STRIPS AND DISCS TO HAVE A PURITY OF 99.9% MEETING THE FEDERAL SPECIFICATION QQ-L-201F, GRADE "C".

RADIATION PROTECTION PRODUCTS INC — TYPE RPP - LEAD LINED DRYWALL

4M. GYPSUM BOARD* — (FOR USE WITH ITEM 8) — 5/8 IN. THICK, 4 FT WIDE, APPLIED VERTICALLY OVER MINERAL AND FIBER BOARD (ITEM 8) WITH VERTICAL JOINTS LOCATED ANYWHERE OVER STUD CAVITIES. SECURED TO MINERAL AND FIBER BOARDS WITH 1-1/2 IN. TYPE G SCREWS SPACED 8 IN. OC ALONG EDGES OF EACH VERTICAL JOINT AND 12 IN. OC IN INTERMEDIATE FIELD OF THE MINERAL AND FIBER BOARD (ITEM 8). SECURED TO OUTERMOST STUDS AND FLOOR AND CEILING RUNNERS WITH 2 IN. LONG TYPE S SCREWS SPACED 8 IN. OC. GYPSUM BOARD JOINTS COVERED WITH PAPER TAPE AND JOINT COMPOUND. SCREW HEADS COVERED WITH JOINT COMPOUND. AMERICAN GYPSUM CO — TYPE AG-C

CERTAINTEED GYPSUM INC — TYPE C CGC INC — TYPES C, IP-X2, IPC-AR CERTAINTEED GYPSUM INC — TYPE LGFC-C/A GEORGIA-PACIFIC GYPSUM L L C — TYPES 5, DAPC, TG-C NATIONAL GYPSUM CO — TYPES EXP-C, FSK-C, FSW-C PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — TYPE PG-C

PANEL REY S A — TYPES PRC. PRC2 SAINT-GOBAIN GYPROC MIDDLE EAST FZE — TYPE GYPROC FIRESTOP, GYPROC FIRESTOP MR, GYPROC FIRESTOP M2TECH, GYPROC FIRESTOP ACTIV'AIR, GYPROC FIRESTOP MR ACTIV'AIR, GYPROC FIRESTOP M2TECH ACTIV'AIR. GYPROC DURALINE. GYPROC DURALINE MR. GYPROC DURALINE M2TECH. GYPROC DURALINE ACTIV'AIR, GYPROC DURALINE MR ACTIV'AIR, GYPROC DURALINE M2TECH ACTIV'AIR

THAI GYPSUM PRODUCTS PCL — TYPE C UNITED STATES GYPSUM CO — TYPES C, IP-X2, IPC-AR, ULIX **USG BORAL DRYWALL SFZ LLC** — TYPE C USG MEXICO S A DE C V — TYPES C, IP-X2, IPC-AR

4N. WALL AND PARTITION FACINGS AND ACCESSORIES* — (AS AN ALTERNATE TO ITEM 4) — NOMINAL 5/8 IN. THICK, 4 FT WIDE PANELS, APPLIED VERTICALLY AND SECURED AS DESCRIBED IN ITEM 4. PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — TYPE QUIETROCK 527

4O. GYPSUM BOARD* — AS AN ALTERNATE TO ITEMS 4, 4A, 4B, AND 4C — TWO LAYERS NOM. 5/16 IN. THICK GYPSUM PANELS APPLIED VERTICALLY OR HORIZONTALLY, HORIZONTAL EDGE JOINTS AND HORIZONTAL BUTT JOINTS ON OPPOSITE SIDES OF STUDS NEED NOT BE STAGGERED OR BACKED BY STEEL FRAMING. HORIZONTAL JOINTS ON THE SAME SIDE NEED NOT BE STAGGERED. WHEN APPLIED HORIZONTALLY, BOTH LAYERS OF GYPSUM BOARD FASTENED TO EACH SIDE OF FRAMING WITH 1 IN. LONG TYPE S STEEL SCREWS SPACED 8 IN. OC AND STAGGERED 4 IN. OC BETWEEN LAYERS. WHEN APPLIED VERTICALLY, BOTH LAYERS OF GYPSUM BOARD FASTENED TO EACH SIDE OF FRAMING WITH 1 IN. LONG TYPE S STEEL SCREWS SPACED 8 IN. OC ALONG VERTICAL EDGES AND 12 IN. OC IN THE FIELD, STAGGERED 4 IN. OC BETWEEN LAYERS. SCREWS SPACED A MAX 12 IN. ALONG THE TOP AND BOTTOM EDGES OF THE WALL. NATIONAL GYPSUM CO — TYPE FSW

4P. GYPSUM BOARD* — AS AN ALTERNATE TO ITEM 4. NOM 5/8 IN. THICK, 4 FT WIDE, NOM 5/8 IN. THICK GYPSUM PANELS WITH BEVELED, SQUARE OR TAPERED EDGES, APPLIED VERTICALLY OR HORIZONTALLY. VERTICAL JOINTS CENTERED OVER STUDS AND STAGGERED ONE STUD CAVITY ON OPPOSITE SIDES OF STUDS. HORIZONTAL EDGE JOINTS AND HORIZONTAL BUTT JOINTS ON OPPOSITE SIDES OF STUDS NEED NOT BE STAGGERED OR BACKED BY STEEL FRAMING. PANELS ATTACHED TO STEEL STUDS AND RUNNERS WITH 1 IN. LONG TYPE S STEEL SCREWS SPACED 12 IN. OC WHEN APPLIED HORIZONTALLY OR VERTICALLY. WHEN USED IN WIDTHS OTHER THAN 48 IN., GYPSUM PANELS TO BE INSTALLED HORIZONTALLY. CGC INC — TYPE ULIX UNITED STATES GYPSUM CO — TYPES ULIX

4Q. GYPSUM BOARD* — 3/4 IN. THICK, 4 FT WIDE, ATTACHED TO STEEL STUDS AND FLOOR AND CEILING TRACK AS DESCRIBED IN ITEM 4 WITH SCREW LENGTH INCREASED TO MIN. 1- 1/8 IN. PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — TYPE PG-13

4R. **GYPSUM BOARD*** — AS AN ALTERNATE TO ITEM 4D. FOR USE WITH ITEM 3E, BATTS AND BLANKETS* — 5/8 IN. THICK, 4 FT WIDE, INSTALLED AS DESCRIBED IN ITEM 4. **NATIONAL GYPSUM CO** — TYPE FSLX.

THICK, 4 FT WIDE, INSTALLED AS DESCRIBED IN ITEM 4A. **CERTAINTEED GYPSUM INC** — TYPE CLLX.

4T. WALL AND PARTITION FACINGS AND ACCESSORIES* — (AS AN ALTERNATE TO 5/8 IN. THICK BOARD AS OUTLINED IN ITEM 4) — NOMINAL 1-3/8 IN. THICK, 4 FT WIDE PANELS, APPLIED VERTICALLY OR HORIZONTALLY. FASTENED WITH #6 X 2 IN. LONG DRYWALL SCREWS SPACED 8 IN. OC ALONG THE PERIMETER AND 12 IN. OC IN

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — TYPE QUIETROCK 545

4U. GYPSUM BOARD*— (AS AN ALTERNATE TO ITEM 4 WHEN FOAM PLASTIC INSULATION ITEM 3G IS USED) — ANY 5/8 IN. THICK, 4 FT. WIDE, GYPSUM BOARD LISTED IN ITEM 4 ABOVE. APPLIED VERTICALLY WITH VERTICAL JOINTS CENTERED OVER STUDS AND STAGGERED ONE STUD CAVITY ON OPPOSITE SIDES OF STUDS. GYPSUM PANELS SECURED TO STUDS WITH 1 IN. LONG TYPE S STEEL SCREWS SPACED 8 IN. OC AT PERIMETER AND IN THE FIELD. FOR 2 LAYER ASSEMBLIES OUTER LAYER WILL BE ATTACHED TO STUDS OVER INNER LAYER WITH THE 1-5/8 IN. LONG STEEL SCREWS SPACED 8 IN. OC.

4V. GYPSUM BOARD* — (AS AN ALTERNATE TO ITEM 4, FOR 1 HR. RATING) — NOM. 5/8 IN. THICK GYPSUM PANELS APPLIED VERTICALLY OR HORIZONTALLY. HORIZONTAL EDGE JOINTS AND HORIZONTAL BUTT JOINTS ON OPPOSITE SIDES OF STUDS NEED NOT BE STAGGERED OR BACKED BY STEEL FRAMING. GYPSUM PANELS FASTENED TO FRAMING WITH 1 IN. LONG TYPE S STEEL SCREWS 12 IN. OC ALONG VERTICAL EDGES AND IN THE FIELD. SCREWS SPACED A MAX 12 IN. ALONG THE TOP AND BOTTOM EDGES OF THE WALL FOR BOTH VERTICAL AND HORIZONTAL APPLICATIONS. CERTAINTEED GYPSUM INC — TYPE X-1, SILENTFX, GLASROC, TYPE C

4W. GYPSUM BOARD*— (AS AN ALTERNATE TO ITEM 4 WHEN FOAM PLASTIC INSULATION ITEM 3H IS USED) — ANY 5/8 IN. THICK, 4 FT. WIDE, GYPSUM BOARD LISTED IN ITEM 4 ABOVE. APPLIED VERTICALLY WITH VERTICAL JOINTS CENTERED OVER STUDS AND STAGGERED ONE STUD CAVITY ON OPPOSITE SIDES OF STUDS. GYPSUM PANELS SECURED TO STUDS WITH 1-1/4 IN. LONG TYPE S STEEL SCREWS SPACED 8 IN. OC AT PERIMETER AND

5. JOINT TAPE AND COMPOUND — VINYL, DRY OR PREMIXED JOINT COMPOUND, APPLIED IN TWO COATS TO JOINTS AND SCREW HEADS; PAPER TAPE, 2 IN. WIDE, EMBEDDED IN FIRST LAYER OF COMPOUND OVER ALL JOINTS. AS AN ALTERNATE, NOMINAL 3/32 IN. THICK GYPSUM VENEER PLASTER MAY BE APPLIED TO THE ENTIRE SURFACE OF CLASSIFIED VENEER BASEBOARD. JOINTS REINFORCED. PAPER TAPE AND JOINT COMPOUND MAY BE OMITTED WHEN GYPSUM BOARDS ARE SUPPLIED WITH SQUARE EDGES.

6. **RESILIENT CHANNEL** — (OPTIONAL — NOT SHOWN) — 25 MSG GALV STEEL RESILIENT CHANNELS SPACED VERTICALLY MAX 24 IN. OC, FLANGE PORTION ATTACHED TO EACH INTERSECTING STUD WITH 1/2 IN. LONG TYPE S-12 PAN HEAD STEEL SCREWS. MAY NOT BE USED WITH ITEM 4F, 4J OR 4L.

6A. STEEL FRAMING MEMBERS* — (OPTIONAL, NOT SHOWN, AS AN ALTERNATE TO ITEM 6) — FURRING CHANNELS AND STEEL FRAMING MEMBERS AS DESCRIBED BELOW: A. FURRING CHANNELS — FORMED OF NO. 25 MSG GALV STEEL. 2-9/16 IN. OR 2-23/32 IN. WIDE BY 7/8 IN. DEEP, SPACED 24 IN. OC PERPENDICULAR TO STUDS. CHANNELS SECURED TO STUDS AS DESCRIBED IN ITEM B. ENDS OF ADJOINING CHANNELS ARE OVERLAPPED 6 IN. AND TIED TOGETHER WITH DOUBLE STRAND OF NO. 18 SWG GALV STEEL WIRE NEAR EACH END OF OVERLAP. AS AN ALTERNATE, ENDS OF ADJOINING CHANNELS MAY BE OVERLAPPED 6 IN. AND SECURED TOGETHER WITH TWO SELF-TAPPING NO. 6 FRAMING SCREWS, MIN 7/16 IN. LONG AT THE MIDPOINT OF THE OVERLAP, WITH ONE SCREW ON EACH FLANGE OF THE CHANNEL. NOT FOR

USE WITH ITEMS 4F. 4J. OR 4L. B. FRAMING MEMBERS* — USED TO ATTACH FURRING CHANNELS (ITEM A) TO STUDS (ITEM 2). CLIPS SPACED 48 IN. OC., AND SECURED TO STUDS WITH 1-5/8 IN. WAFER OR HEX HEAD TYPE S STEEL SCREW THROUGH THE CENTER GROMMET. FURRING CHANNELS ARE FRICTION FITTED INTO CLIPS. RSIC-1 CLIP FOR USE WITH 2-9/16 IN. WIDE FURRING CHANNELS. RSIC-1 (2.75) CLIP FOR USE WITH 2-23/32 IN. WIDE FURRING CHANNELS.

PAC INTERNATIONAL L L C — TYPES RSIC-1, RSIC-1 (2.75)

PLITEQ INC — TYPE GENIE CLIP

6B. FRAMING MEMBERS* — (OPTIONAL ON ONE OR BOTH SIDES, NOT SHOWN, AS AN ALTERNATE TO ITEM 6) — FURRING CHANNEL AND STEEL FRAMING MEMBERS AS DESCRIBED BELOW: A. FURRING CHANNELS — FORMED OF NO. 25 MSG GALV STEEL. 2-3/8 IN. WIDE BY 7/8 IN. DEEP, SPACED MAX. 24 IN. OC PERPENDICULAR TO STUDS. CHANNELS SECURED TO STUDS AS DESCRIBED IN ITEM B. GYPSUM BOARD ATTACHED TO FURRING CHANNELS AS DESCRIBED IN ITEM 4. NOT FOR USE WITH ITEMS 4F, 4J, OR 4L. B. STEEL FRAMING MEMBERS* — USED TO ATTACH FURRING CHANNELS (ITEM 6BA) TO STUDS (ITEM 2). CLIPS SPACED MAX. 48 IN. OC. GENIECLIPS SECURED TO STUDS WITH NO. 8 X 1-1/2 IN. MINIMUM SELF-DRILLING, S-12 STEEL SCREW THROUGH THE CENTER GROMMET, FURRING CHANNELS ARE FRICTION FITTED INTO CLIPS.

6C. STEEL FRAMING MEMBERS* — (OPTIONAL, NOT SHOWN, AS AN ALTERNATE TO ITEM 6) — FURRING CHANNELS AND STEEL FRAMING MEMBERS AS DESCRIBED BELOW A. FURRING CHANNELS — FORMED OF NO. 25 MSG GALV STEEL. SPACED 24 IN. OC PERPENDICULAR TO STUDS. CHANNELS SECURED TO STUDS AS DESCRIBED IN ITEM B. ENDS OF ADJOINING CHANNELS OVERLAPPED 6 IN. AND TIED TOGETHER WITH DOUBLE STRAND OF NO. 18 AWG GALVANIZED STEEL WIRE.GYPSUM BOARD ATTACHED TO FURRING CHANNELS AS DESCRIBED IN ITEM 4. NOT FOR USE WITH ITEMS 4F, 4J, OR 4L. B. STEEL FRAMING MEMBERS* — USED TO ATTACH FURRING CHANNELS (ITEM 6CA) TO STUDS. CLIPS SPACED 48 IN. OC., AND SECURED TO STUDS WITH 2 IN. COARSE DRYWALL SCREW WITH 1 IN. DIAM WASHER THROUGH THE CENTER HOLE. FURRING CHANNELS ARE FRICTION FITTED INTO CLIPS. STUDCO BUILDING SYSTEMS — RESILMOUNT SOUND ISOLATION CLIPS - TYPE A237R

6D. STEEL FRAMING MEMBERS* — (OPTIONAL, NOT SHOWN AS AN ALTERNATE TO ITEM 6) — FURRING CHANNELS AND STEEL FRAMING MEMBERS AS DESCRIBED BELOW: A. FURRING CHANNELS — FORMED OF NO. 25 MSG GALV STEEL. SPACED 24 IN. OC PERPENDICULAR TO STUDS. CHANNELS SECURED TO STUDS AS DESCRIBED IN ITEM 6DB. ENDS OF ADJOINING CHANNELS OVERLAPPED 6 IN. AND TIED TOGETHER WITH DOUBLE STRAND OF NO. 18 AWG GALVANIZED STEEL WIRE. GYPSUM BOARD ATTACHED TO FURRING CHANNELS AS DESCRIBED IN ITEM 4. NOT FOR USE WITH ITEMS 4F, 4J, OR 4L. B. STEEL FRAMING MEMBERS* — UUSED TO ATTACH FURRING CHANNELS (ITEM 6DA) TO STUDS. CLIPS SPACED 48 IN. OC, AND SECURED TO STUDS WITH NO.8 X 2-1/2 IN. COARSE DRYWALL SCREW THROUGH THE CENTER HOLE. FURRING CHANNELS ARE FRICTION FITTED INTO CLIPS. REGUPOL AMERICA — TYPE SONUSCLIP

CHANNELS AND STEEL FRAMING MEMBERS AS DESCRIBED BELOW A. **RESILIENT CHANNELS** — FORMED OF NO. 25 MSG GALV STEEL, SPACED 24 IN. OC, AND PERPENDICULAR TO STUDS. CHANNELS SECURED TO STUDS AS DESCRIBED IN ITEM B. ENDS OF ADJOINING CHANNELS OVERLAPPED 6 IN. AND SECURED IN PLACE WITH TWO NO. 8 15 X 1/2 IN. PHILIPS MODIFIED TRUSS SCREWS SPACED 2-1/2 IN. FROM THE CENTER OF THE OVERLAP. GYPSUM BOARD ATTACHED TO RESILIENT CHANNELS AS DESCRIBED IN ITEM 4. NOT FOR USE WITH ITEMS 4F, 4J, OR 4L. B. STEEL FRAMING MEMBERS* — USED TO ATTACH RESILIENT CHANNELS (ITEM 6EA) TO STUDS. CLIPS SPACED 48 IN. OC., AND SECURED TO STUDS WITH NO. 8 X 2-1/2 IN. COARSE DRYWALL SCREW THROUGH THE CENTER HOLE. RESILIENT CHANNELS ARE SECURED TO CLIPS WITH ONE NO. 10 X 1/2 IN. PAN-HEAD SELF-DRILLING

6E. STEEL FRAMING MEMBERS* — (OPTIONAL, NOT SHOWN AS AN ALTERNATE TO ITEM 6) — RESILIENT

KEENE BUILDING PRODUCTS CO INC — TYPE RC+ ASSURANCE CLIP

CENTER GROMMET. FURRING CHANNELS ARE FRICTION FITTED INTO CLIPS.

CLARKDIETRICH BUILDING SYSTEMS — TYPE CLARKDIETRICH SOUND CLIP SUBSTITUTE FOR THE REQUIRED LAYER(S) OF UL CLASSIFIED GYPSUM BOARD.

6F STEEL FRAMING MEMBERS* — (OPTIONAL, NOT SHOWN, AS AN ALTERNATE TO ITEM 6) — FURRING CHANNELS AND STEEL FRAMING MEMBERS AS DESCRIBED BELOW: A FURRING CHANNELS — FORMED OF NO. 25 MSG GALV STEEL. 2-23/32 IN. WIDE BY 7/8 IN. DEEP, SPACED 24 IN. OC PERPENDICULAR TO STUDS. CHANNELS SECURED TO STUDS AS DESCRIBED IN ITEM B. ENDS OF ADJOINING CHANNELS ARE OVERLAPPED 6 IN. AND TIED TOGETHER WITH DOUBLE STRAND OF NO. 18 SWG GALV STEEL WIRE NEAR EACH END OF OVERLAP, AS AN ALTERNATE, ENDS OF ADJOINING CHANNELS MAY BE OVERLAPPED 6 IN. AND SECURED TOGETHER WITH TWO SELF-TAPPING #6 FRAMING SCREWS, MIN. 7/16 IN. LONG AT THE MIDPOINT OF THE OVERLAP, WITH ONE SCREW ON EACH FLANGE OF THE CHANNEL. GYPSUM BOARD ATTACHED TO FURRING CHANNELS AS DESCRIBED IN ITEM 4. B STEEL FRAMING MEMBERS* — USED TO ATTACH FURRING CHANNELS (ITEM 6FA) TO STUDS. CLIPS SPACED

MAXIMUM 48 IN. OC. CLIPS SECURED TO STUDS WITH NO. 8 X 2-1/2 IN. COARSE DRYWALL SCREW THROUGH THE

6F. STEEL FRAMING MEMBERS* — (OPTIONAL, NOT SHOWN) — FURRING CHANNELS AND STEEL FRAMING MEMBERS AS DESCRIBED BELOW: A. **FURRING CHANNELS** — FORMED OF NO. 25 MSG GALV STEEL. SPACED 24 IN. OC

PERPENDICULAR TO STUDS. CHANNELS SECURED TO STUDS AS DESCRIBED IN ITEM B. ENDS OF ADJOINING CHANNELS OVERLAPPED 6 IN. AND TIED TOGETHER WITH DOUBLE STRAND OF NO. 18 AWG GALVANIZED STEEL WIRE. GYPSUM BOARD ATTACHED TO FURRING CHANNELS AS DESCRIBED IN ITEM 4. NOT FOR USE WITH ITEMS 4F, 4J, OR 4L. B. STEEL FRAMING MEMBERS* — USED TO ATTACH FURRING CHANNELS (ITEM 6FA) TO STUDS. CLIPS SPACED 48 IN. OC., AND SECURED TO STUDS WITH NO. 10 X 2 IN. SCREW THROUGH THE CENTER HOLE. FURRING CHANNELS ARE FRICTION FIT INTO CLIPS. MASON INDUSTRIES INC — TYPE CWC-50

7. WALL AND PARTITION FACINGS AND ACCESSORIES* — (OPTIONAL, NOT SHOWN) — NOMINAL 1/2 IN. THICK, 4 FT WIDE PANELS, FOR OPTIONAL USE AS AN ADDITIONAL LAYER ON ONE OR BOTH SIDES OF THE ASSEMBLY. PANELS ATTACHED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. WHEN THE QR-500 OR QR-510 PANEL IS INSTALLED BETWEEN THE STEEL FRAMING AND THE UL CLASSIFIED GYPSUM BOARD. THE REQUIRED UL CLASSIFIED GYPSUM BOARD LAYER(S) IS/ARE TO BE INSTALLED AS INDICATED AS TO FASTENER TYPE AND SPACING, EXCEPT THAT THE REQUIRED FASTENER LENGTH SHALL BE INCREASED BY A MINIMUM OF 1/2 IN. NOT EVALUATED OR INTENDED AS A SUBSTITUTE FOR THE REQUIRED LAYER(S) OF UL CLASSIFIED GYPSUM BOARD. PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — TYPE QUIETROCK QR-500 AND

8. MINERAL AND FIBER BOARD* — (OPTIONAL, NOT SHOWN) — FOR OPTIONAL USE AS AN ADDITIONAL LAYER ON ONE SIDE OF WALL. NOM 1/2 IN. THICK, 4 FT WIDE WITH LONG DIMENSION PARALLEL AND CENTERED OVER STUDS. ATTACHED TO STUDS AND FLOOR AND CEILING RUNNERS WITH 1-5/8 IN. LONG TYPE S STEEL SCREWS, SPACED 12 IN. OC AND 24 IN. OC ALONG ALL INTERMEDIATE FRAMING. THE REQUIRED UL CLASSIFIED GYPSUM BOARD LAYER (ITEM 4M) IS TO BE INSTALLED OVER THE MINERAL AND FIBER BOARDS. BATTS AND BLANKETS, ITEM 3D, AND ADHESIVE, ITEM 11, ARE REQUIRED. HOMASOTE CO — HOMASOTE TYPE 440-32

8A. MINERAL AND FIBER BOARD — (OPTIONAL, NOT SHOWN) — FOR OPTIONAL USE AS AN ADDITIONAL LAYER ON ONE SIDE OF WALL - NOM 1/2 IN. THICK, 4 FT WIDE, SQUARE EDGE FIBER BOARDS APPLIED VERTICALLY TO STUDS ON ONE SIDE OF THE WALL IN BETWEEN THE WOOD STUDS AND THE UL CLASSIFIED GYPSUM BOARD (ITEM 4). FIBER BOARDS INSTALLED WITH 1-1/4 IN. LONG, TYPE S STEEL SCREWS SPACED 12 IN. OC MAX, WITH THE LAST SCREWS SPACED 2 IN. AND 6 IN. FROM EDGE OF BOARD. GYPSUM BOARD (ITEM 4) INSTALLED AS INDICATED AS TO FASTENER TYPE AND SPACING, EXCEPT THAT THE REQUIRED FASTENER LENGTH SHALL BE INCREASED BY A MINIMUM OF 1/2 IN. NOT EVALUATED OR INTENDED AS A SUBSTITUTE FOR THE REQUIRED LAYER(S) OF UL CLASSIFIED GYPSUM BOARD. NOT EVALUATED FOR USE WITH ITEM 4M. BLUE RIDGE FIBERBOARD INC — SOUNDSTOP

8B. MINERAL AND FIBER BOARD* — (OPTIONAL, NOT SHOWN) — FOR OPTIONAL USE AS AN ADDITIONAL LAYER ON ONE SIDE OF WALL. NOM 1/2 IN. THICK, 4 FT WIDE WITH LONG DIMENSION PARALLEL AND CENTERED OVER STUDS. ATTACHED TO STUDS AND FLOOR AND CEILING RUNNERS WITH 1-5/8 IN. LONG TYPE S STEEL SCREWS, SPACED 12 IN. OC AND 24 IN. OC ALONG ALL INTERMEDIATE FRAMING. THE REQUIRED UL CLASSIFIED GYPSUM BOARD LAYER IS TO BE INSTALLED OVER THE MINERAL AND FIBER BOARDS AND SECURED TO STUDS WITH LENGTH OF FASTENERS INCREASED BY 1/2 IN. OVER THE LENGTH SPECIFIED FOR INSTALLATION OF THE GYPSUM BOARDS. BATTS AND BLANKETS, ITEM 3. ARE OPTIONAL UNLESS OTHERWISE REQUIRED. NOT FOR USE WITH ITEMS 4F, 4J, 4L, AND

HOMASOTE CO — HOMASOTE TYPE 440-32

9. LEAD BATTEN STRIPS — (NOT SHOWN, FOR USE WITH ITEM 4E) — LEAD BATTEN STRIPS, MIN 1-1/2 IN. WIDE, MAX 10 FT LONG WITH A MAX THICKNESS OF 0.125 IN. STRIPS PLACED ON THE INTERIOR FACE OF STUDS AND ATTACHED FROM THE EXTERIOR FACE OF THE STUD WITH TWO 1 IN. LONG TYPE S-12 PAN HEAD STEEL SCREWS, ONE AT THE TOP OF THE STRIP AND ONE AT THE BOTTOM OF THE STRIP. LEAD BATTEN STRIPS TO HAVE A PURITY OF 99.9% MEETING THE FEDERAL SPECIFICATION QQ-L-201F, GRADE "C". LEAD BATTEN STRIPS REQUIRED BEHIND VERTICAL JOINTS OF LEAD BACKED GYPSUM BOARD (ITEM 4E) AND OPTIONAL AT REMAINING STUD LOCATIONS. REQUIRED BEHIND VERTICAL JOINTS. 9A. LEAD BATTEN STRIPS — (NOT SHOWN, FOR USE WITH ITEM 4J) — LEAD BATTEN STRIPS, 2 IN. WIDE, MAX 10 FT LONG WITH A MAX THICKNESS OF 0.140 IN. STRIPS PLACED ON THE FACE OF STUDS AND ATTACHED TO THE STUD WITH TWO MIN. 1 IN. LONG MIN. TYPE S-8 PAN HEAD STEEL SCREWS, ONE AT THE TOP OF THE STRIP AND ONE AT THE BOTTOM OF THE STRIP OR WITH ONE MIN. 1 IN. LONG MIN. TYPE S-8 PAN HEAD STEEL SCREW AT THE TOP OF THE STRIP. LEAD BATTEN STRIPS TO HAVE A PURITY OF 99.5% MEETING THE FEDERAL SPECIFICATION QQ-L-201F, GRADES "B, C OR D". LEAD BATTEN STRIPS REQUIRED BEHIND VERTICAL JOINTS OF LEAD BACKED GYPSUM WALLBOARD (ITEM 4J) AND OPTIONAL AT REMAINING STUD LOCATIONS.

10. **LEAD DISCS OR TABS** — (NOT SHOWN, FOR USE WITH ITEM 4E) — USED IN LIEU OF OR IN ADDITION TO THE LEAD BATTEN STRIPS (ITEM 8) OR OPTIONAL AT OTHER LOCATIONS -MAX 3/4 IN. DIAM BY MAX 0.125 IN. THICK LEAD DISCS COMPRESSION FITTED OR ADHERED OVER STEEL SCREW HEADS OR MAX 1/2 IN. BY 1-1/4 IN. BY MAX 0.125 IN. THICK LEAD TABS PLACED ON GYPSUM BOARDS (ITEM 4E) UNDERNEATH SCREW LOCATIONS PRIOR TO THE INSTALLATION OF THE SCREWS, LEAD DISCS OR TABS TO HAVE A PURITY OF 99.9% MEETING THE FEDERAL SPECIFICATION QQ-L-201F, GRADE "C". 10A, LEAD DISCS — (NOT SHOWN, FOR USE WITH ITEM 4J) — MAX 5/16 IN, DIAM BY MAX 0.140 IN. THICK LEAD DISCS COMPRESSION FITTED OR ADHERED OVER STEEL SCREW HEADS.

L-201F, GRADES "B, C OR D". 11. ADHESIVE — NOT SHOWN — (FOR USE WITH ITEM 8) — CONSTRUCTION GRADE ADHESIVE APPLIED IN VERTICAL, SERPENTINE, NOMINAL 3/8 IN. WIDE BEADS DOWN THE LENGTH OF BOTH VERTICAL EDGES OF MINERAL AND FIBER BOARD (ITEM 8).

LEAD DISCS TO HAVE A PURITY OF 99.5% MEETING THE FEDERAL SPECIFICATION QQ-

12. WALL AND PARTITION FACINGS AND ACCESSORIES* — (CLBV) (OPTIONAL, NOT SHOWN) — FOR USE WITH ITEMS 1 TO 1I, ITEMS 2 TO 2J, ITEM 3, ITEMS 4 TO 4I, ITEM 5 AND ITEM 6. FOR MAXIMUM FIRE RATING OF 1 HOUR. ON ONE SIDE OF THE WALL, OVER THE FIRST LAYER OF GYPSUM BOARD (ITEM 4 TO ITEM 4I), INSTALL REFLEXOR MEMBRANE WITH THE GOLD SIDE FACING OUTWARDS. MEMBRANE INSTALLED WITH T50 STAPLES SPACED 12 INCHES ON CENTER IN BOTH DIRECTIONS AS PER MANUFACTURER'S INSTRUCTIONS, SEAMS IN MEMBRANE TO BE OVERLAPPED BY 2 INCHES. WHEN REFLEXOR MEMBRANE IS USED AN ADDITIONAL LAYER OF GYPSUM BOARD THAT IS IDENTICAL TO THE ONE USED IN THE FIRST LAYER AND AS SPECIFIED IN ITEM 4 TO ITEM 4I SHALL BE INSTALLED OVER THE MEMBRANE. THE ADDITIONAL LAYER OF GYPSUM BOARD TO BE INSTALLED THROUGH THE MEMBRANE TO THE STUD AS SPECIFIED IN ITEM 4 TO ITEM 4I EXCEPT THE FASTENER LENGTH SHALL BE INCREASED BY A MINIMUM OF 5/8 INCH. INSTALL BATTS AND BLANKETS

IN THE STUD CAVITY AS PER ITEM 3. ON THE OTHER SIDE OF THE WALL, PRIOR TO THE INSTALLATION OF THE GYPSUM BOARD, INSTALL RESILIENT CHANNELS AS PER ITEM 6. OVER THE RESILIENT CHANNELS INSTALL 3/4 INCH THICK SONOPAN PANEL SECURED TO THE RESILIENT CHANNELS WITH MIN. 1-1/4 IN. LONG DRYWALL SCREWS AND WASHERS SPACED AT 16 IN. OC ON THE PERIMETER OF THE PANEL AND 8 IN. OC IN THE FIELD OF THE PANEL. OVER THE SONOPAN PANEL INSTALL THE SAME GYPSUM BOARD AS SPECIFIED IN ITEM 4 TO ITEM 4I WITH THE FASTENER LENGTH INCREASED BY MINIMUM 3/4 INCH. NOT EVALUATED OR INTENDED AS A SUBSTITUTE FOR THE REQUIRED LAYER(S) OF UL CLASSIFIED GYPSUM BOARD.

ALTERNATELY, ON THE OTHER SIDE OF THE WALL PRIOR TO THE INSTALLATION OF THE GYPSUM BOARD, INSTALL 3/4 IN. THICK SONOPAN PANELS, SECURED TO ONE SIDE OF STUDS EITHER HORIZONTALLY OR VERTICALLY. PANELS SECURED TO EACH STUD WITH MIN. 1-1/4 IN. LONG DRYWALL SCREWS SPACED 12 IN. OC. OVER THE SONOPAN, INSTALL 25 MSG GALV STEEL, RESILIENT CHANNELS, SPACED VERTICALLY 24 IN. OC. RESILIENT CHANNELS FASTENED THROUGH PANELS TO EACH STUD WITH MIN. 2 IN. LONG DRYWALL SCREWS OR SELF-TAPPING SCREWS. OVER THE RESILIENT CHANNELS INSTALL GYPSUM BOARD AS SPECIFIED IN ITEM 4 TO ITEM 4I WITH THE SPECIFIED DRYWALL SCREWS. PANELS NOT EVALUATED OR INTENDED AS A SUBSTITUTE FOR THE REQUIRED LAYER(S) OF UL CLASSIFIED GYPSUM BOARD. MSL — REFLEXOR MEMBRANE, SONOPAN PANEL

13. BARRIER MESH — (OPTIONAL, NOT SHOWN) - ATTACHED TO STEEL STUDS ON ONE OR BOTH SIDES OF THE WALL USING BARRIER MESH CLIPS SPACED AT MAXIMUM 12 INCHES ON CENTER VERTICALLY, USING A FLAT HEAD TYPE SCREW PENETRATING THROUGH THE STEEL AT LEAST 3/8 OF AN INCH. FOR STEEL STUDS LESS THAN 0.033 INCHES IN THICKNESS, USE SELF-PIERCING SCREWS. FOR STEEL STUDS EQUAL TO OR GREATER THAN 0.033 INCHES IN THICKNESS, USE STEEL DRILL SCREWS (SELF-TAPPING). GYPSUM BOARD (ITEM 4) TO BE INSTALLED DIRECTLY OVER THE BARRIER MESH USING PRESCRIBED SCREW PATTERNS WITH LENGTHS INCREASED BY A MINIMUM 1/8 IN. BARRIER MESH MAY BE INSTALLED WITH THE LONG DIMENSION OF THE DIAMOND PATTERN POSITIONED VERTICALLY OR HORIZONTALLY. BARRIER MESH JOINTS MAY OCCUR AS BUTT JOINTS AT THE FRAMING MEMBERS AND SECURED USING THE BARRIER MESH CLIPS OR OCCUR IN BETWEEN FRAMING MEMBERS AS OVERLAPPING JOINTS SECURED USING 18 SWG WIRE TIES SPACED A MAXIMUM 12 IN. ON CENTER. CLARKDIETRICH BUILDING SYSTEMS — BARRIER MESH. BARRIER MESH CLIPS

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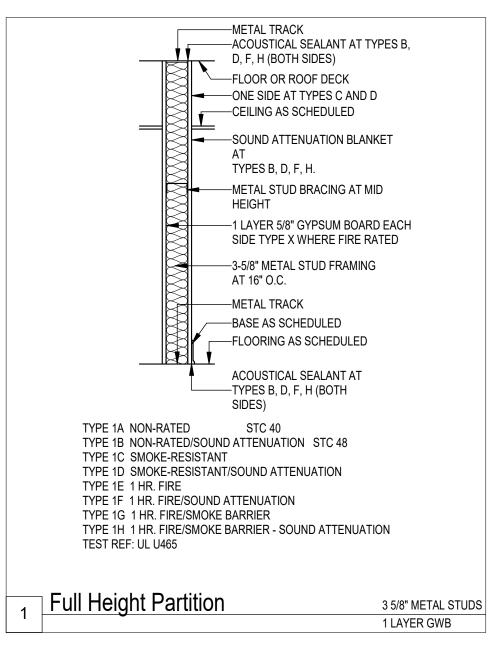
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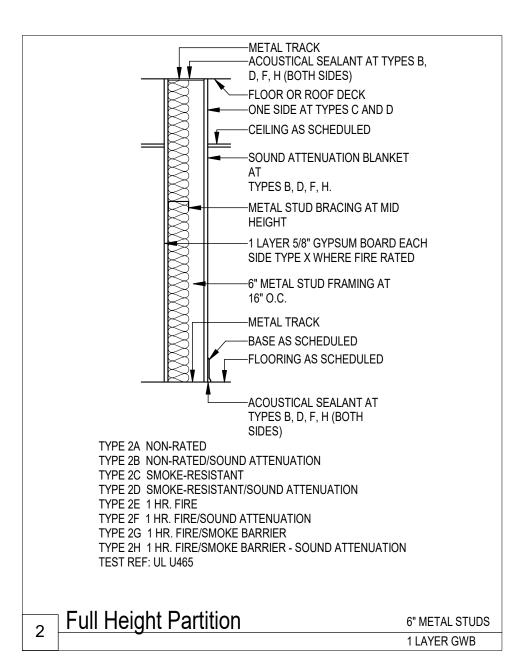
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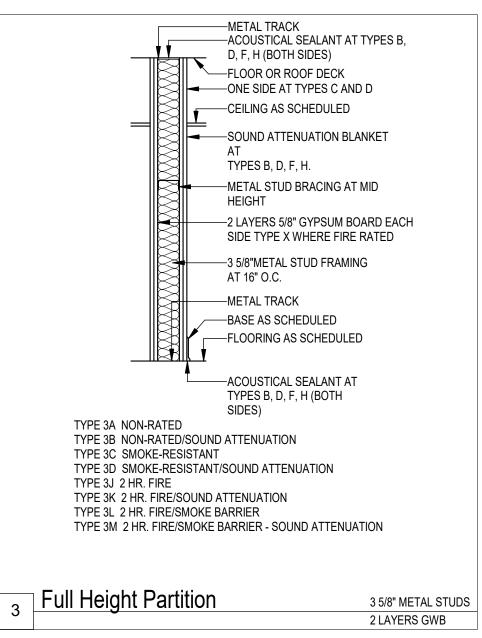
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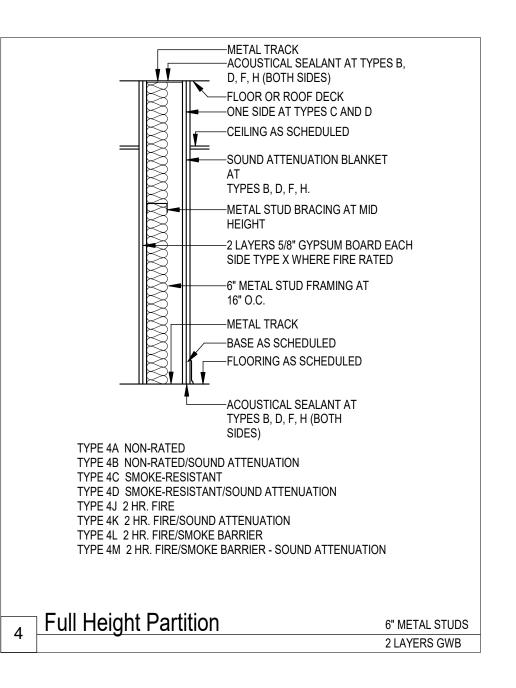
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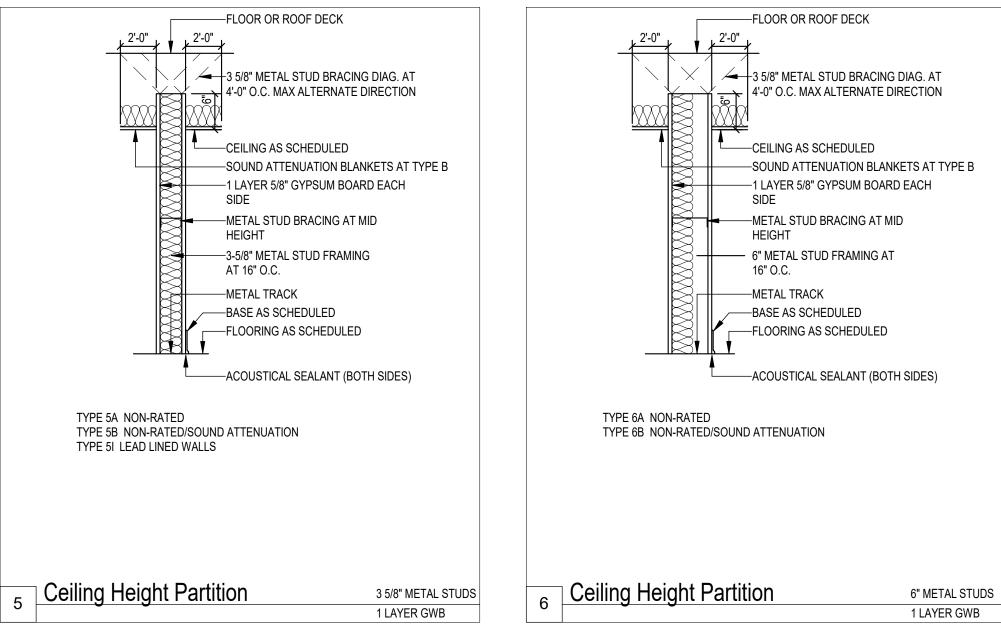
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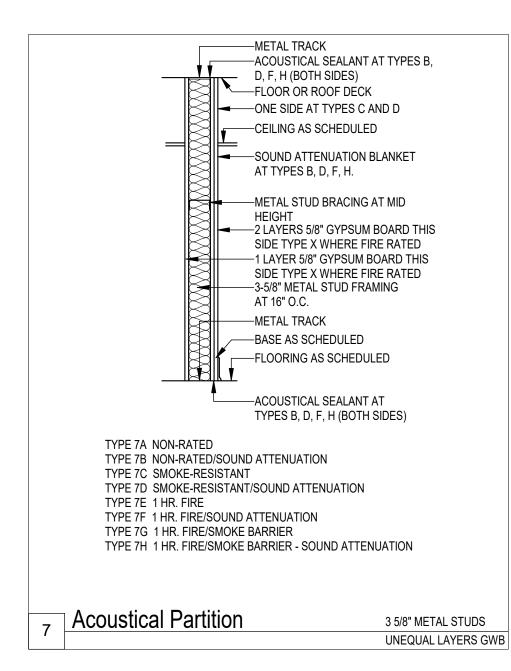


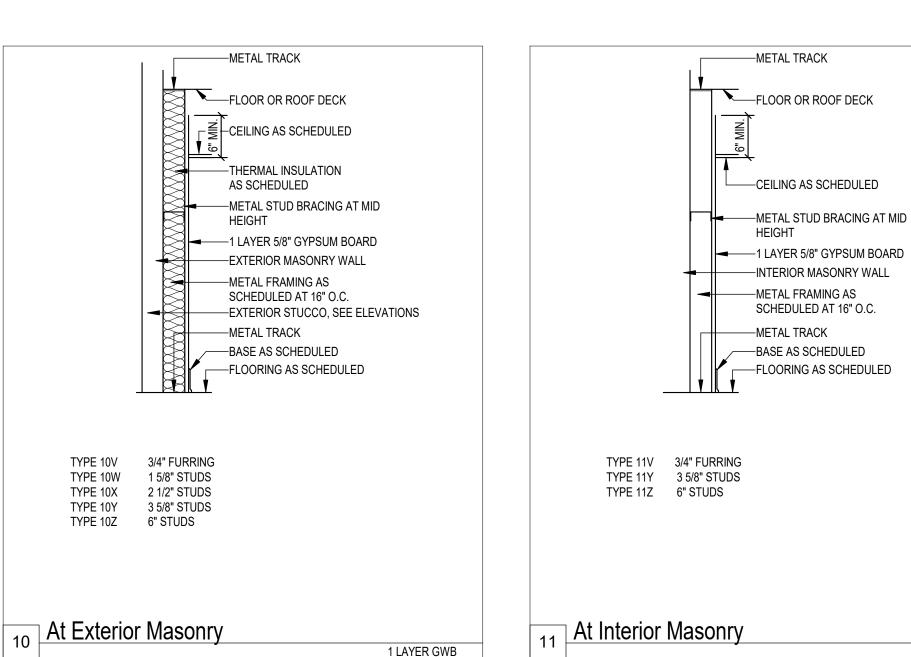


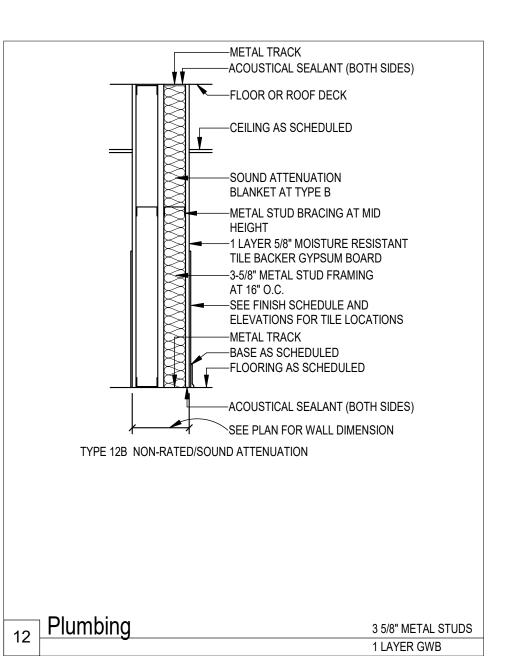












1 LAYER GWB

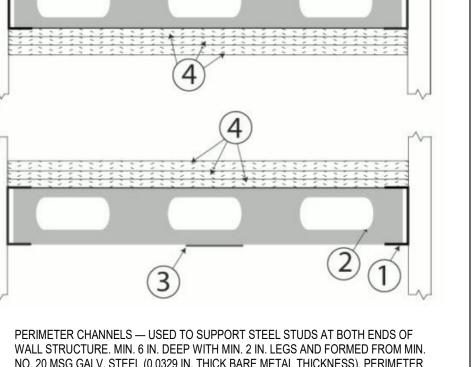


- 1. GYPSUM TILE BACKER BOARDS: SEE FINISH SCHEDULE NOTES FOR LOCATING BACKER BOARDS BEHIND TILE, USE EQUIVALENT RATED PRODUCT TO WALLBOARD SUBSTITUTED.
- 2. REFER TO THE "LIFE SAFETY PLANS"; "ARCHITECTURAL FLOOR PLANS" AND "ARCHITECTURAL CEILING PLANS" FOR PARTITION TYPE, LOCATIONS, FIRE RATINGS, SMOKETIGHT, AND SECURITY RATINGS.
- 3. REFER TO FINISH SCHEDULE FOR LOCATION OF ABUSE RESISTANT GWB. 4. REFER TO THE "FIRE RESISTANCE DESIGN MANUAL", LATEST EDITION PUBLISHED BY THE GYPSUM ASSOCIATION AND UL FIRE RESISTANCE DIRECTORY, LATEST EDITION FOR ADDITIONAL INFORMATION. THE DESIGN MANUAL'S GENERAL EXPLANATORY NOTES PERMIT MODIFICATIONS AND SUBSTITUTIONS WITHOUT DEGRADING THE FIRE RESISTANCE RATING, RESULTING FROM INCREASING STUD DEPTHS, STUD GAUGES, WALLBOARD THICKNESS, NUMBER OF LAYERS, AND CHASE WALL DIMENSIONS.
- 5. EQUIPMENT AND ACCESSORIES WHICH REQUIRE INTERNAL REINFORCEMENT, BLOCKING AND BACKING PLATES ARE DESCRIBED ELSEWHERE IN THE DRAWING OR SPECIFICATIONS DOCUMENTS.

PARTITION TYPE LETTER DESIGNATIONS

- A NON-RATED B NON-RATED/SOUND ATTENUATION C SMOKE-RESISTANT
- D SMOKE-RESISTANT/SOUND ATTENUATION E 1 HR. FIRE
- F 1 HR. FIRE/SOUND ATTENUATION
- G 1 HR. FIRE/SMOKE BARRIER I LEAD LINED BARRIER
- H 1 HR. FIRE/SMOKE BARRIER/SOUND ATTENUATION J 2 HR. FIRE
- K 2 HR. FIRE/SOUND ATTENUATION L 2 HR. FIRE/SMOKE BARRIER
- M 2 HR. FIRE/SMOKE BARRIER/SOUND ATTENUATION
- V 35/8" FURRING
- W 15/8" STUDS X 2 1/2" STUDS
- Y 35/8" STUDS Z 6" STUDS

THE GROUP



UL DESIGN NO. 1501

CEILING MEMBRANE RATING - 1 HR.

- NO. 20 MSG GALV. STEEL (0.0329 IN. THICK BARE METAL THICKNESS). PERIMETER CHANNELS ATTACHED TO WALL STRUCTURE WITH FASTENERS SPACED NOT GREATER THAN 24 IN. O.C. AT BOTH THE TOP AND BOTTOM OF THE VERTICAL LEG. MAXIMUM CLEAR SPAN FROM VERTICAL LEG TO VERTICAL LEG OF THE PERIMETER CHANNELS IS 8 FT., 2-1/4 IN.
- STEEL STUDS MIN. 6 IN. WIDE WITH MIN. 1-5/8 IN. LEGS CONTAINING FOLDED BACK FLANGES AND FORMED FROM MIN. NO. 20 MSG GALV. STEEL (0.0329 IN. THICK BARE METAL THICKNESS). STUDS TO BE CUT 1/2 IN. TO 3/4 IN. LESS THAN THE CLEAR SPAN BETWEEN THE VERTICAL LEGS OF THE PERIMETER CHANNELS. STUDS SPACED A MAX. 16 IN. O.C. AT EACH END OF THE STUD, THE UN-FACED SIDE SHALL BE SECURED TO THE PERIMETER CHANNEL WITH ONE 1/2 IN. LONG PAN-HEAD STEEL SCREW. STUDS ARE USED AT EACH END OF THE HORIZONTAL BARRIER TO TERMINATE THE ASSEMBLY AT THE ADJOINING WALL. THESE END STUDS SHALL BE SECURED TO THE ADJOINING WALL IN THE SAME MANNER AS THE PERIMETER CHANNELS (ITEM1).
- STEEL STRAP MIN 4 IN. WIDE FORMED FROM MIN. NO. 20 MSG GALV. STEEL (0.0329 IN. THICK BARE METAL THICKNESS). SECURED PERPENDICULAR TO THE STUDS AT THE CENTERLINE OF THE SPAN USING TWO 1/2 IN. LONG PAN-HEAD STEEL SCREWS. STRIPS TO OVERLAP ONE FULL STUD BAY AT SPLICE LOCATIONS. AS AN ALTERNATE TO THE STEEL STRAP, PERIMETER CHANNELS (ITEM 1) MAY BE SUBSTITUTED AND INSTALLED IN THE SAME MANNER AS THE STEEL STRAPS. IF A CONTINUOUS PIECE IS NOT USED, THE ABUTTED LEGS ARE INSTALLED ON EACH SIDE OF THE CENTERLINE OF THE SPAN AND OVERLAP ONE FULL STUD BAY.
- GYPSUM BOARD* THREE LAYERS OF NOM. 5/8 IN. THICK, 46 TO 54 IN. WIDE, GYPSUM BOARD INSTALLED WITH LONG DIMENSION PERPENDICULAR TO THE STEEL STUDS. BASE LAYER INSTALLED WITH END JOINTS IN ADJACENT ROWS STAGGERED MIN. 32 IN. BOARDS SECURED TO STUDS AND PERIMETER CHANNELS WITH 1-1/4 IN. LONG TYPE S STEEL SCREWS SPACED MAX. 16 IN. O.C. MIDDLE LAYER INSTALLED WITH END JOINTS IN ADJACENT ROWS STAGGERED MIN. 32 IN. BOARDS SECURED TO THE STUDS AND PERIMETER CHANNELS WITH 1-5/8 IN. LONG TYPE S STEEL SCREWS SPACED MAX. 16 IN. O.C. MIDDLE LAYER JOINTS STAGGERED A MIN. 16 IN. FROM BASE LAYER JOINTS FACE LAYER INSTALLED WITH END JOINTS IN ADJACENT ROWS STAGGERED MIN. 32 IN. BOARDS SECURED TO THE STUDS AND PERIMETER CHANNELS WITH 2-1/4 IN. LONG TYPE S STEEL SCREWS SPACED MAX. 12 IN. O.C. FACE LAYER JOINTS STAGGERED A MIN. 16 IN. FROM MIDDLE LAYER JOINTS. AMERICAN GYPSUM CO — TYPES AGX-1, AG-C, LIGHTROC.
- JOINT TAPE AND COMPOUND NOT SHOWN (OPTIONAL- NOT REQUIRED ON JOINTS. REQUIRED ON SCREW HEADS), - VINYL, DRY OR PREMIXED JOINT COMPOUND, APPLIED IN TWO COATS TO JOINTS AND SCREW HEADS; PAPER TAPE, NOM. 2 IN. WIDE, EMBEDDED IN FIRST LAYER OF COMPOUND OVER ALL JOINTS.

uilding $\mathbf{\Omega}$ Bank Auburndale of City

DATE 04.25.23 90% REVIEW 05.15.23 05.31.23 REVISION 1 09.05.23

Wall Types

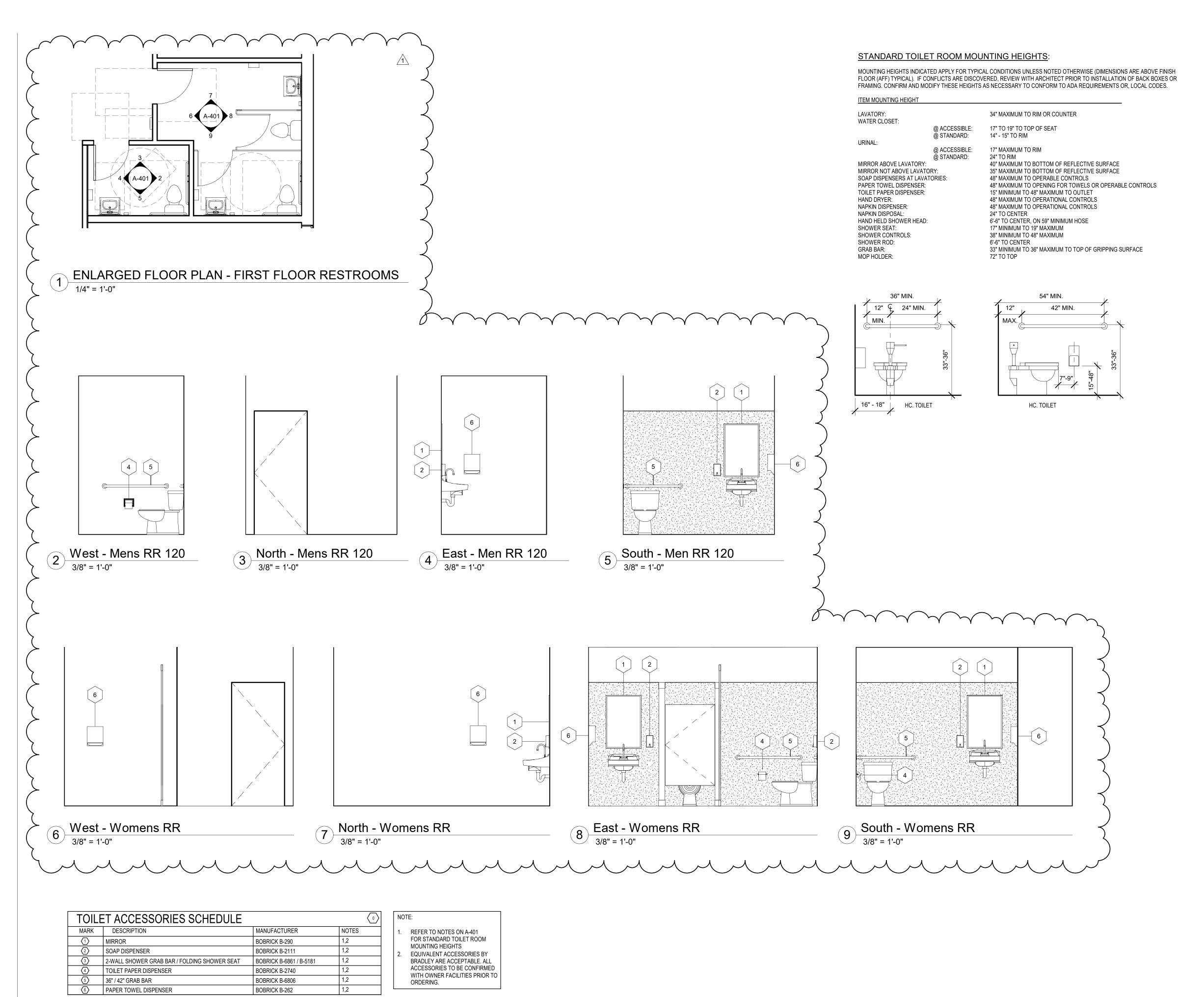
DRAWN BY: D. Sanders REVIEW BY: E. Breheny

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GENERAL SHEET NOTES

- CONTRACTOR SHALL PROVIDE BLOCKING FOR INSTALLATION OF ACCESSORIES AND GRAB BARS AS REQUIRED.
- 2. ALL RESTROOM ACCESSORIES SHALL BE ADA COMPLIANT.
- ALL RESTROOM ACCESSORIES SHALL BE ADA COMPLIANT.
- 3. ALL EQUIPMENT SHALL BE ADA COMPLIANT. PROVIDE ACCESSORIES SUBMITTAL & CUT SHEET FOR OWNER APPROVAL.
- 4. ALL RESTROOM WALLS SHALL RECEIVE TILE AS NOTED IN ELEVATIONS. TILE SHALL RUN TO THE UNDERSIDE OF THE CEILING ON ALL WET WALLS, TYP.
- ALL RESTROOM GYP. BOARD TO BE MOISTURE RESISTANT TYPE WITH A FINAL FINISH OF EPOXY PAINT.

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City of Auburndale - Bank Building

nd Details

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Enlarged Restroom Plans

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DRAWN BY: D. Sanders
REVIEW BY: E. Breheny

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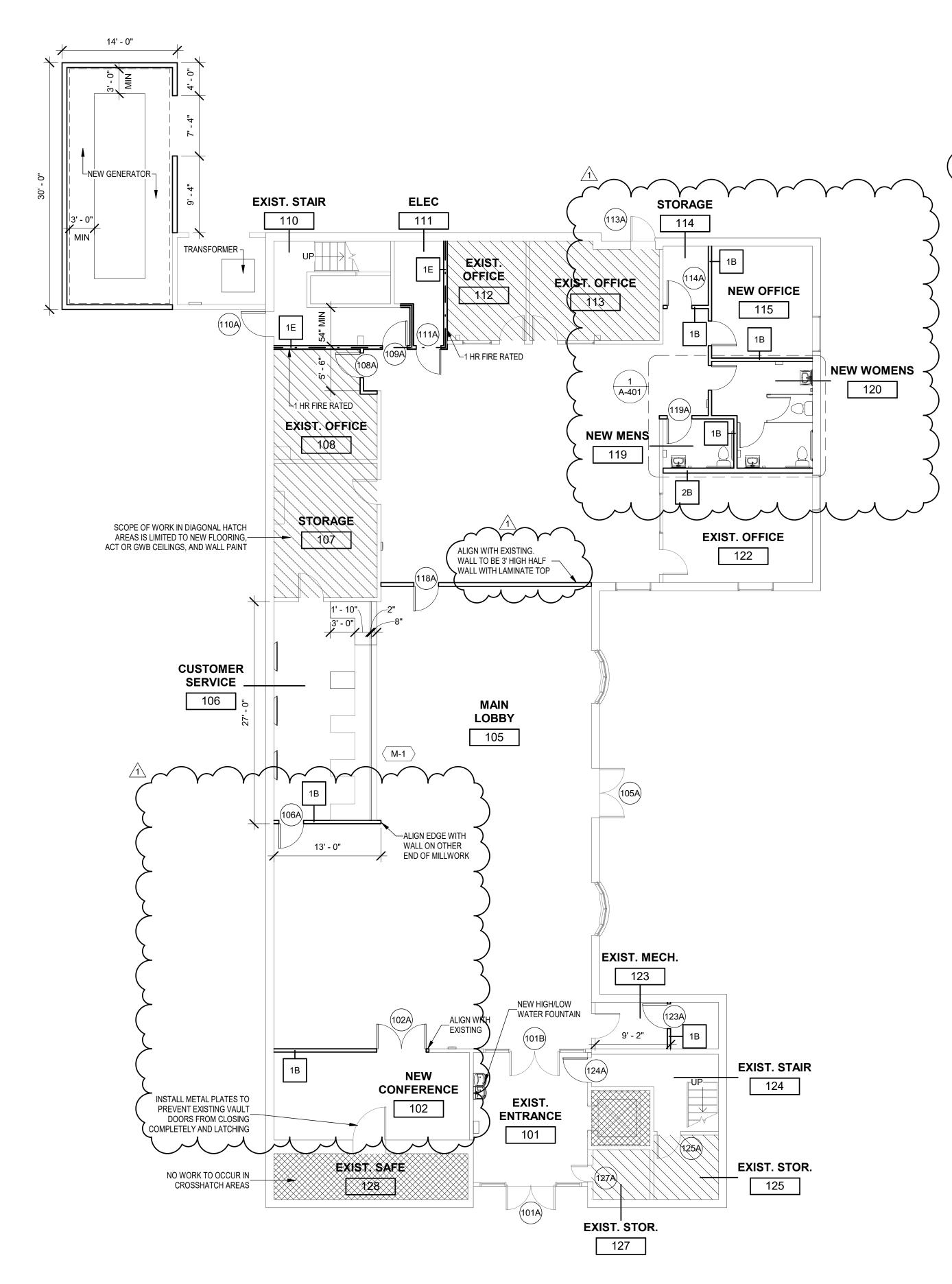
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4-401

1 FIRST FLOOR DEMOLITION PLAN

CROSSHATCH AREAS



OVERALL FIRST FLOOR PLAN

1/8" = 1'-0"

DEMOLITION FLOOR PLAN LEGEND

EXISTING WALL TO REMAIN

□ □ □ WALL TO BE DEMOLISHED

DEMOLITION GENERAL NOTES

1. SEE G-006 FOR MORE INFORMATION ON DEMOLITION AND

2. GENERAL CONTRACTOR TO HAVE AN ASBESTOS INSPECTION AND, IF REQUIRED, MITIGATION PRIOR TO ANY DEMOLITION WORK. ASBESTOS REPORT TO BE PROVIDED TO BUILDING OFFICIAL FOR REVIEW PRIOR TO ANY REMEDIATION

GENERAL CONTRACTOR TO INSPECT ALL AREAS TO BE MODIFIED OR RENOVATED AND REMOVE/RELOCATED ALL ITEMS IN THE WAY OF THE NEW WORK, INCLUDING ELECTRICAL, DATA, PLUMBING, MECHANICAL, WALL MATERIALS, FRAMING, CEILINGS, FINISHES, ETC.

ALL EXISTING FLOORING, ACT AND ASSOCIATED GRIDS, AND GWB CEILINGS THROUGHOUT TO BE REMOVED UNLESS OTHERWISE NOTED.

FLOOR PLAN GENERAL NOTES

REFRIGERATOR AND ASSOCIATED BREAKROOM COMPONENTS SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR WITH OWNER COORDINATION FOR THE SPECIFIC TYPE AND MODEL TO BE SELECTED.

SEE A-602 FOR OVERALL PAINT PLAN AND FINISH FLOOR PLAN.

CONTRACTOR TO VERIFY ALL DIMENSIONS. NOTIFY ARCHITECT IMMEDIATELY WITH ANY DIMENSIONAL CONFLICTS.

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and Overall

- Demolitio

First Floor Plans

DRAWN BY: D. Sanders
REVIEW BY: E. Breheny

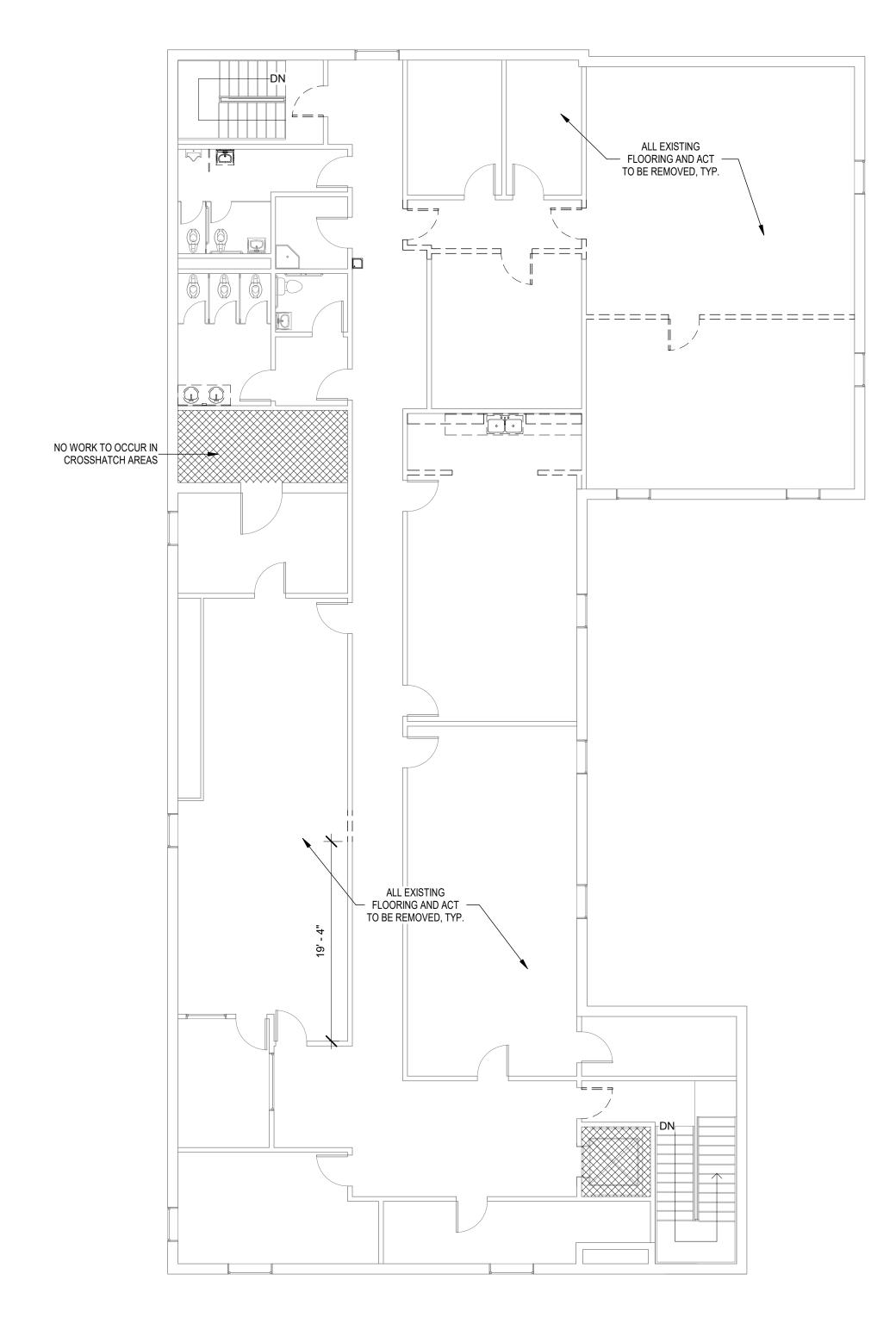
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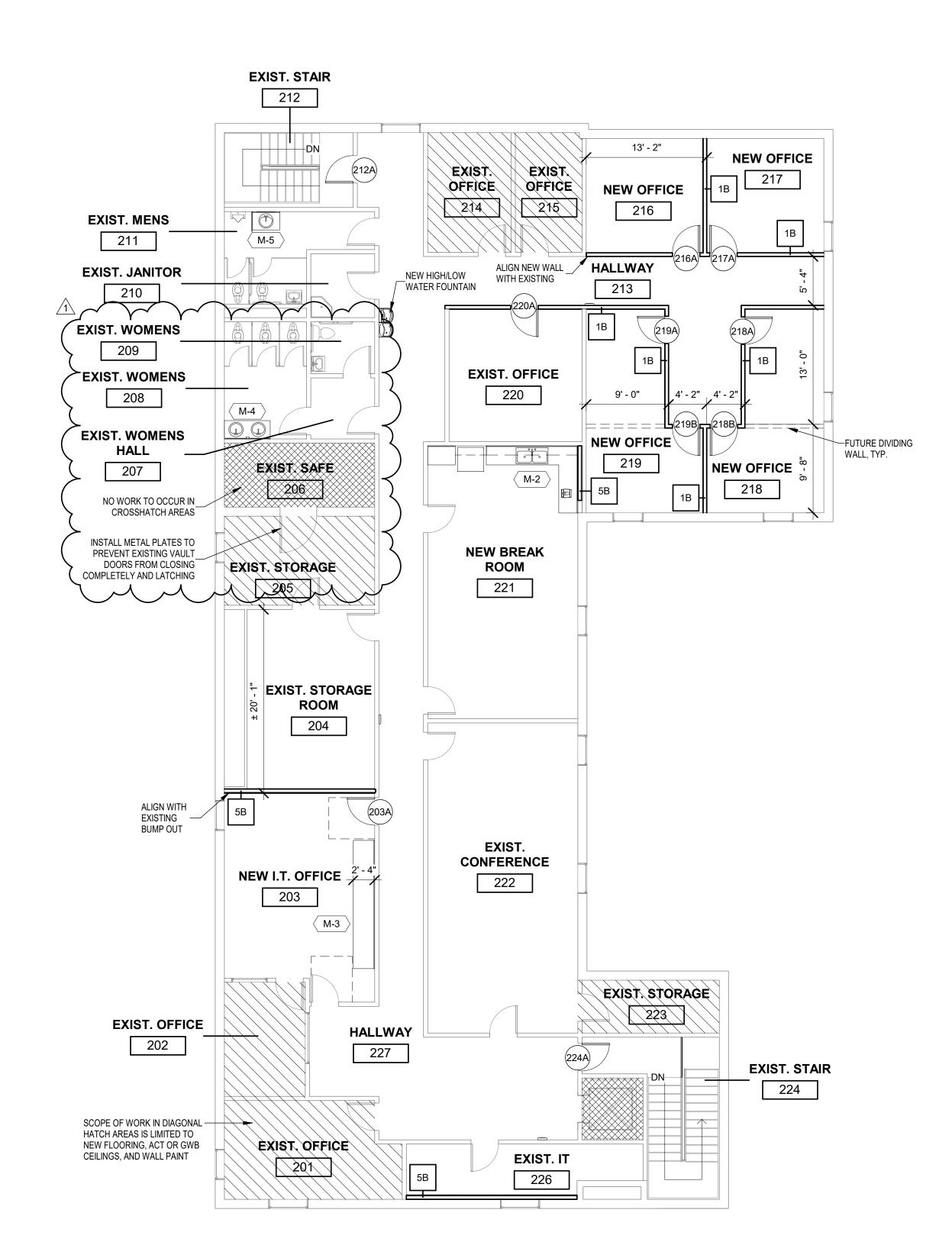
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A 404



2 SECOND FLOOR DEMOLITION PLAN
1/8" = 1'-0"



1) OVERALL SECOND FLOOR PLAN

1/8" = 1'-0"

DEMOLITION FLOOR PLAN LEGEND

===

EXISTING WALL TO REMAIN

WALL TO BE DEMOLISHED

DEMOLITION GENERAL NOTES

1. SEE G-006 FOR MORE INFORMATION ON DEMOLITION AND

2. GENERAL CONTRACTOR TO HAVE AN ASBESTOS INSPECTION AND, IF REQUIRED, MITIGATION PRIOR TO ANY DEMOLITION WORK. ASBESTOS REPORT TO BE PROVIDED TO BUILDING OFFICIAL FOR REVIEW PRIOR TO ANY REMEDIATION

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ALL EXISTING FLOORING, ACT AND ASSOCIATED GRIDS, AND GWB CEILINGS THROUGHOUT TO BE REMOVED UNLESS OTHERWISE NOTED.

FLOOR PLAN GENERAL NOTES

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- SEE A-602 FOR OVERALL PAINT PLAN AND FINISH FLOOR PLAN.
- 3. CONTRACTOR TO VERIFY ALL DIMENSIONS. NOTIFY ARCHITECT IMMEDIATELY WITH ANY DIMENSIONAL CONFLICTS.

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Demolition and Overall

Second Floor Plans

DRAWN BY: D. Sanders
REVIEW BY: E. Breheny

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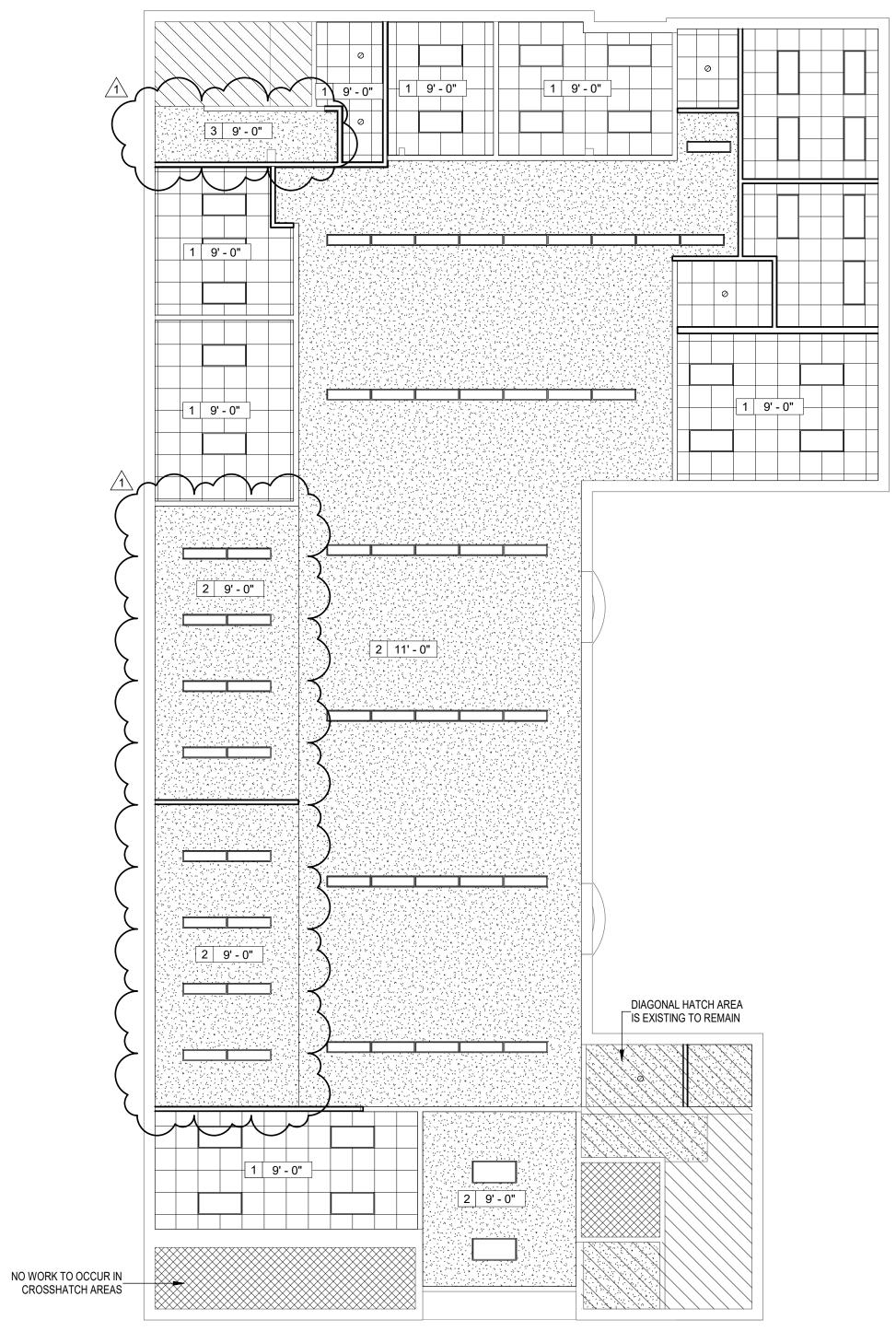
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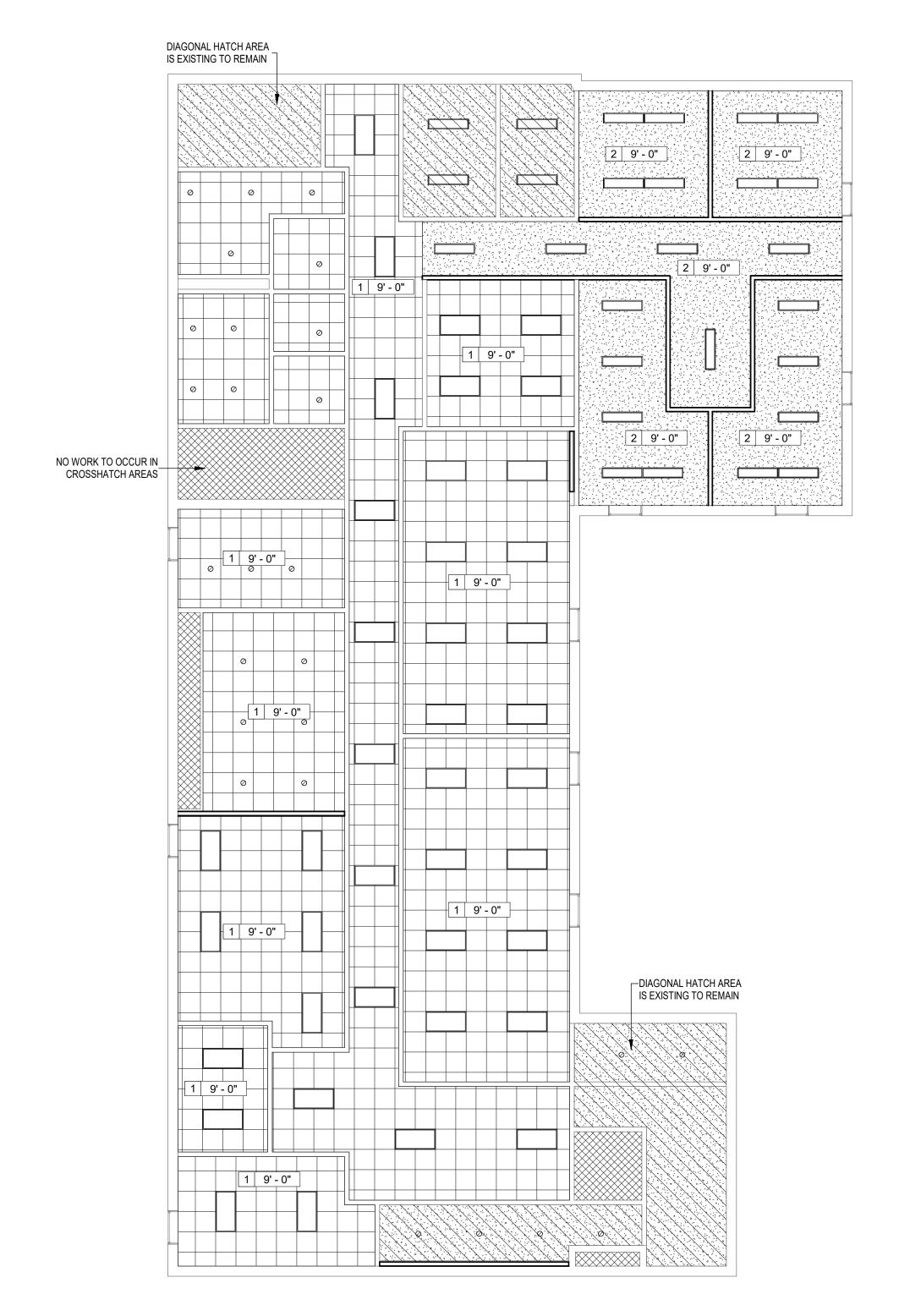
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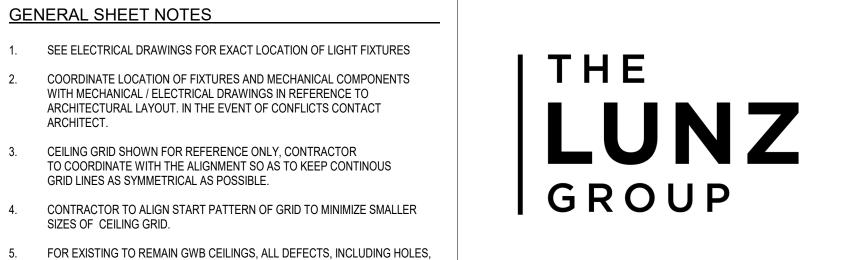
A-102



1 FIRST FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0"



2 SECOND FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0"



ARE TO BE PATCHED AND PAINTED.

CEILING MATERIAL LEGEND

DESIGNATES MATERIAL TYPE
AND HEIGHT A.F.F.

5/8" TYPE X GYPSUM BOARD (GWB)

CORPORATION, HALCYON

2. 5/8" GYPSUM BOARD (GWB)

CEILING PLAN LEGEND

√∑▶

1. 2x2 ACOUSTICAL CEILING TILE (ACT) ON SUSPENDED GRID SYSTEM: USG

2x2 LIGHTING FIXTURE

2x4 LIGHTING FIXTURE

DOWNLIGHT FIXTURE

SURFACE MOUNTED FIXTURE

PENDANT LIGHTING FIXTURE

DIRECTIONAL EXIT FIXTURE

CEILING RETURN

CEILING SUPPLY

CEILING EXHAUST

WALL MOUNTED LIGHTING FIXTURE

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Reflected Ceiling Plans

DRAWN BY: D. Sanders
REVIEW BY: E. Breheny

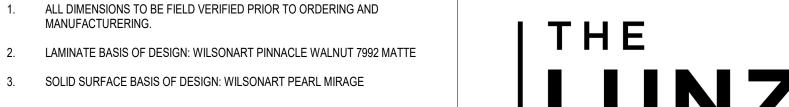
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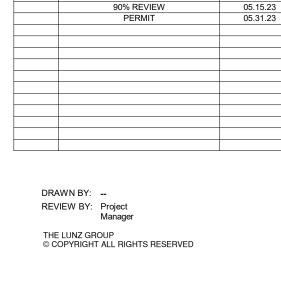






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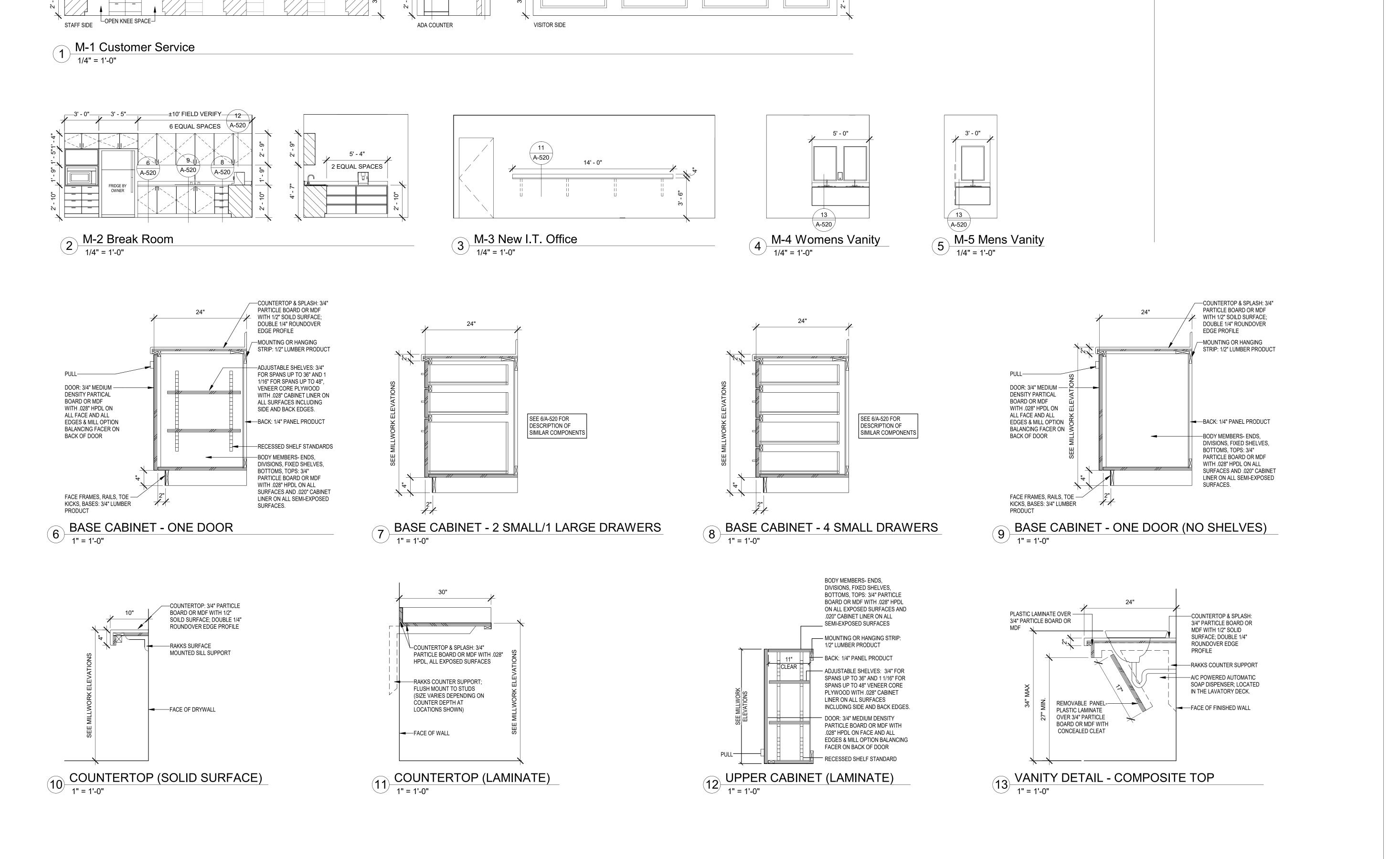
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-NEW 8" TALL DIVIDER

5' - 4"

21' - 2"

10 A-520

A-520

4' - 10"

SALVAGE EXISTING

BASE CABINETS, TYP.

-NEW 8" TALL DIVIDER

NOTE: EXISTING WOODGRAIN AT CUSTOMER SERVICE COUNTER TO BE REFACED WITH

APPROVED COLOR TO BE PINNACLE WALNUT.

WILSONART RE-COVER LAMINATE REPLACEMENT

					D	oor Sched	ule					7
			De	oor				Frame)	
Mark	Width	Height	Thickness	Elevation	Material	Finish	Elevation	Material	Finish	Fire Rating	Hardware\	Comments
101A	6' - 0"	7' - 0"	2"								7	1, 2, 3
101B	6' - 0"	7' - 0"	2"								7	1, 2, 3
102A	6' - 0"	7' - 0"	2"	FG	WD	PAINT	F2	НМ	PAINT	>	6	
105A	6' - 0"	7' - 0"	2"								7	1, 2, 3
106A	3' - 0"	7' - 0"	2"	F	НМ					1 HR)	
106B	3' - 0"	7' - 0"	2"	F	НМ					1 HR		
108A	3' - 0"	7' - 0"	2"	F	WD	PAINT	F1	НМ	PAINT	>	1	
109A	3' - 0"	7' - 0"	2"	F	НМ	PAINT	F1	HM	PAINT	1 HR	5	2, 3
110A	3' - 0"	7' - 0"	2"			PAINT			PAINT /)	1, 2, 3
111A	3' - 0"	7' - 0"	2"	F	WD	PAINT	F1	HM	PAINT		4	
113A	3' - 0"	7' - 0"	2"	Н		PAINT			PAINT	>		1
114A	3' - 0"	7' - 0"	2"	F	HM					1 HR		
118A	3' - 0"	3' - 6"	2"	F		PAINT	F3	WD	PAINT /		7	4
118C	3' - 0"	7' - 0"	2"	F	HM					1 HR	\ \	
118E	3' - 0"	7' - 0"	2"	F	HM					1 HR	`	
118F	3' - 0"	7' - 0"	2"	F	HM					(1 HR		
118G	3' - 0"	7' - 0"	2"	F	НМ					1 HR	7	
1181	3' - 0"	7' - 0"	2"	F	HM					1 HR		
119A	3' - 0"	7' - 0"	2"	F	НМ					1 HR	`	
123A	3' - 0"	7' - 0"	2"	F	WD	PAINT	F1	HM	PAINT		4	
124A	3' - 0"	7' - 0"	2"	F	НМ	PAINT	F1	HM	PAINT /	1 HR	5	2, 3
125A	2' - 10"	7' - 0"	2"			PAINT			PAINT (1, 2
127A	2' - 0"	7' - 0"	2"			PAINT			PAINT	>	`	1, 2
203A	3' - 0"	7' - 0"	2"	FG	WD	PAINT	F1	HM	PAINT	(1	
212A	3' - 0"	7' - 0"	2"	F	НМ	PAINT	F1	HM	PAINT /	1 HR	5	2, 3
216A	3' - 0"	7' - 0"	2"	FG	WD	PAINT	F1	HM	PAINT		1 \(\frac{1}{\}	
217A	3' - 0"	7' - 0"	2"	FG	WD	PAINT	F1	HM	PAINT	,	1	
218A	3' - 0"	7' - 0"	2"	FG	WD	PAINT	F1	HM	PAINT		1	
218B	3' - 0"	7' - 0"	2"	FG	WD	PAINT	F1	HM	PAINT	>	1	
219A	3' - 0"	7' - 0"	2"	FG	WD	PAINT	F1	HM	PAINT		1 \(\frac{1}{\}	
219B	3' - 0"	7' - 0"	2"	FG	WD	PAINT	F1	HM	PAINT	,	1	
220A	3' - 0"	7' - 0"	2"	FG	WD	PAINT	F1	HM	PAINT	(1	
224A	3' - 0"	7' - 0"	2"	F	HM	PAINT	F1	HM	PAINT	1 HR 🙏	51	3

			Wall F	inishes		Coiling			
Number	Room Name	North	South	East	West	Ceiling Finish	Base Finish	Floor Finish	Comments
01	EXIST. ENTRANCE	PAINT	PAINT	PAINT	PAINT	GWB	VB2	LVT	
02	NEW CONFERENCE	PAINT	PAINT	PAINT	PAINT	ACT	VB2	CPT1	
03	OFFICE	PAINT	PAINT	PAINT	PAINT	ACT	VB1	CPT1	
05	MAIN LOBBY	PAINT	PAINT	PAINT	PAINT	ACT	VB1	CPT1	
05	MAIN LOBBY	PAINT	PAINT	PAINT	PAINT	GWB	VB2	LVT	
06	CUSTOMER SERVICE	PAINT	PAINT	PAINT	PAINT	GWB	VB1	LVT	
107	STORAGE	PAINT	PAINT	PAINT	PAINT	ACT	VB1	CPT1	
08	EXIST. OFFICE		PAINT	PAINT	PAINT	ACT	VB1	CPT1	
		PAINT							EVICTING STAIR TREADS TO DEMAN
110	EXIST. STAIR	PAINT	PAINT	PAINT	PAINT	GWB	VB1	LVT	EXISTING STAIR TREADS TO REMAI
111	ELEC	PAINT	PAINT	PAINT	PAINT	ACT	VB1	LVT	
12	EXIST. OFFICE	PAINT	PAINT	PAINT	PAINT	ACT	VB1	CPT1	
13	EXIST. OFFICE	PAINT	PAINT	PAINT	PAINT	ACT	VB1	CPT1	
14	STORAGE	PAINT	PAINT	PAINT	PAINT	ACT	VB1	LVT	
14	STORAGE								
15	NEW OFFICE	PAINT	PAINT	PAINT	PAINT	ACT	VB1	CPT1	
15	NEW OFFICE								
15	NEW OFFICE								
16	NEW OFFICE	PAINT	PAINT	PAINT	PAINT	ACT	VB1	CPT1	
117	Room								
118	OPEN OFFICE AREA	PAINT	PAINT	PAINT	PAINT	GWB	VB2	LVT	
119	EXIST MENS	PAINT		WP/PAINT		ACT	POT1	POT1	
119	NEW MENS	PAINT	WP/PAINT		WP/PAINT		POT1	POT1	
119	NEW MENS	174141	7777	7 (11 (1	7777	7.01	1011	1 011	
120	NEW WOMENS								
120	STORAGE	PAINT	PAINT	PAINT	PAINT	GWB	VB1	CPT1	
	EXIST. OFFICE		PAINT			ACT		CPT1	
122		PAINT		PAINT	PAINT		VB1		
123	EXIST. MECH.	PAINT	PAINT	PAINT	PAINT	EXIST	VB1	LVT	EVICTING OTAIR TREADS TO REMAIN
124	EXIST. STAIR	PAINT	PAINT	PAINT	PAINT	EXIST	VB1	LVT	EXISTING STAIR TREADS TO REMAI
125	EXIST. STOR.	PAINT	PAINT	PAINT	PAINT	EXIST	VB1	LVT	= =
126	EXIST. ELEVATOR								ALL EXISTING FINISHES TO REMAIN
127	EXIST. STOR.	PAINT	PAINT	PAINT	PAINT	EXIST	EXIST	EXIST	
128	EXIST. SAFE								ALL EXISTING FINISHES TO REMAIN
129	EXIST. CONFERENCE	PAINT	PAINT	PAINT	PAINT	ACT	VB1	CPT1	
201	EXIST. OFFICE	PAINT	PAINT	PAINT	PAINT	ACT	VB1	CPT1	
202	EXIST. OFFICE	PAINT	PAINT	PAINT	PAINT	ACT	VB1	CPT1	
203	NEW I.T. OFFICE	PAINT	PAINT	PAINT	PAINT	ACT	VB1	CPT1	
204	EXIST. STORAGE ROOM	PAINT	PAINT	PAINT	PAINT	ACT	VB1	CPT1	
205	EXIST. STORAGE	PAINT	PAINT	PAINT	PAINT	ACT	VB1	CPT1	
206	EXIST. SAFE								ALL EXISTING FINISHES TO REMAIN
207	EXIST. WOMENS HALL	PAINT	PAINT	PAINT	PAINT	ACT	POT1	POT1	
208	EXIST. WOMENS	WP/PAINT	WP/PAINT		WP/PAINT		POT1	POT1	
209	EXIST. WOMENS	PAINT	PAINT	PAINT	WP/PAINT	-	POT1	POT1	
210	EXIST. JANITOR	PAINT	PAINT	PAINT	PAINT	ACT	VB1	LVT	
211	EXIST. MENS	WP/PAINT	WP/PAINT		WP/PAINT		POT1	POT1	
					-				EVICTING STAID TDEADS TO DEMAN
212	EXIST. STAIR	PAINT	PAINT	PAINT	PAINT	EXIST	VB1	LVT	EXISTING STAIR TREADS TO REMAI
213	HALLWAY	PAINT	PAINT	PAINT	PAINT	ACT/GWB	VB1	LVT	
214	EXIST. OFFICE	PAINT	PAINT	PAINT	PAINT	EXIST	VB1	CPT1	
215	EXIST. OFFICE	PAINT	PAINT	PAINT	PAINT	EXIST	VB1	CPT1	
216	NEW OFFICE	PAINT	PAINT	PAINT	PAINT	GWB	VB1	CPT1	
217	NEW OFFICE	PAINT	PAINT	PAINT	PAINT	GWB	VB1	CPT1	
218	NEW OFFICE	PAINT	PAINT	PAINT	PAINT	GWB	VB1	CPT1	
219	NEW OFFICE	PAINT	PAINT	PAINT	PAINT	GWB	VB1	CPT1	
220	EXIST. OFFICE	PAINT	PAINT	PAINT	PAINT	ACT	VB1	CPT1	
221	NEW BREAK ROOM	PAINT	PAINT	PAINT	PAINT	ACT	VB1	LVT	
222	EXIST. CONFERENCE	PAINT	PAINT	PAINT	PAINT	ACT	VB1	CPT1	
223	EXIST. STORAGE	PAINT	PAINT	PAINT	PAINT	EXIST	VB1	LVT	ALL EXISTING FINISHES TO REMAIN
224	EXIST. STAIR	PAINT	PAINT	PAINT	PAINT	EXIST	VB1	LVT	EXISTING STAIR TREADS TO REMAI
25	EXIST. ELEVATOR	1 / 111 11 1	1 7 XII V I	1 / 111 1 1	1 / 111 1 1		101	- v I	ALL EXISTING FINISHES TO REMAIN
	EXIST. IT	PAINT	PAINT	PAINT	PAINT	EXIST	VB1	LVT	ALL LAIGHING HINIGHLO TO REWAIN
226		FAINI	r AIN I	FAINI	FAINI	EVIOL	VDI	LVI	
227	HALLWAY	DAINE	DAINT	DAINT	DAINT	ACT	\/D.4	1) / T	
228	STORAGE	PAINT	PAINT	PAINT	PAINT	ACT	VB1	LVT	
29	NEW OFFICE	PAINT	PAINT	PAINT	PAINT	ACT	VB1	CPT1	
230	NEW OFFICE	PAINT	PAINT	PAINT	PAINT	ACT	VB1	CPT1	
231	EXIST MENS			WP/PAINT		ACT		POT1	

EXIST MENS

POT1

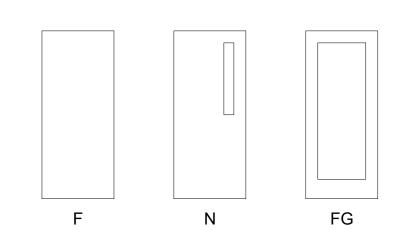
POT1

| WP/PAINT | WP/PAINT | PAINT

	Hardware Schedule									
Key Name	Hinge Set	Lock Function	Egress Hardware	Closer	Stop	Kickplates	Hold Open			
1	3 Butt	Privoov/ Office	No	No	Yes	No	No			
2	3 Butt	Privacy/ Office Privacy with Occupancy Indicator	No	Yes	Yes	Yes	No			
3	3 Butt	Passage	No	No	Yes	No	No			
4	3 Butt	Storage	No	No	Yes	Yes	No			
5	3 Butt	Entrance/Exit	Yes	Yes	Yes	Yes	No			
6	6 Butt	Passage	No	No	Yes	No	No			
7	Pivot/Cylinder	Entrace/Exit	Yes	Yes	Yes	No	No			

DOOR SCHEDULE KEYED COMMENTS: 1. EXISTING DOOR TO REMAIN 2. ELECTRIC STRICKE. ACCESS CONTROL CARD READER OR FOB TO BE COORDINATED WITH OWNER AND OWNER IT DEPARTMENT. IF EMERGENCY EGRESS DOOR, CARD READER TO BE AUTOMATICALLY DISABLED IN EMERGENCY EVENT. 3. EMERGENCY EGRESS DOOR. PANIC HARDWARE REQUIRED AND TO BE PROVIDED. 4. DESIGN INTENT IS FOR THE BOTTOM LEAF OF A DUTCH DOOR, THE TOP LEAF AND TOP FRAME IS NOT TO BE INSTALLED.

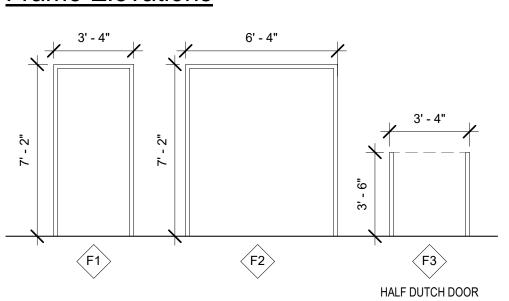
Door Elevations



ABBREVIATIONS:

F - FLUSH
FG - FULL GLASS
HG - HALF GLASS
HC - HOLLOW CORE WOOD
HM - HOLLOW METAL
N - NARROW LIGHT
OC - OVERHEAD COILING
P - PAINTED
S - STAINED
SC - SOLID CORE WOOD
WD - WOOD

Frame Elevations



WINDOW GENERAL NOTES

- SIZES LISTED ARE NORMAL. VERIFY ALL OPENING SIZES IN FIELD. VERIFY SIZES AND INSTALLATION REQUIREMENTS WITH MANUFACTURER.
- 2. ALL GLAZING SHALL BE TEMPERED GLASS.
- 3. ALL INTERIOR GLAZING SHALL BE CLEAR, SINGLE PANE GLASS 1/4" NOMINAL.
- 4. ALL NEW EXTERIOR GLAZING TO BE CLEAR, INSULATED, LOW-E GLASS.
- 5. ALL NEW EXTERIOR GLAZING AND FRAMES TO MATCH EXISTING GLAZING TO REMAIN.
- PROVIDE WINDOW SHADES / BLIND AS SPECIFIED BY THE OWNER.

FIXED WINDOWS BASIS OF DESIGN - TR7100 ARCHITECTURAL SERIES WINDOWS LOCATED AT PERIMETER OF BUILDING

DOOR & FRAME GENERAL NOTES

- 1. VERIFY DOOR SIZE AND STYLE WITH DOOR MANUFACTURER
- 2. SIZES LISTED ARE NOMIAL. VERIFY SIZES IN FIELD. VERIFY SIZES AND INSTALLATION REQUIREMENTS WITH MANUFACTURER.
- 3. ALL DOORS TO HAVE LEVER HANDLES AND COMPLY WITH ADA.
- 4. PROVIDE ADA COMPLIANT THRESHOLDS AS REQUIRED.
- 5. STAIN/VANEER BASIS OF DESIGN: VT INDUSTRIES, SELECT BIRCH, RAVINE RA18



City of Auburndale - Bank Building

dules and Details

Door and Window Sche

ISSUED FOR DATE

DD SET 04.25.23

90% REVIEW 05.15.23

PERMIT 05.31.23

REVISION 1 09.05.23

REVIEW BY: E. Breheny

DRAWN BY: D. Sanders

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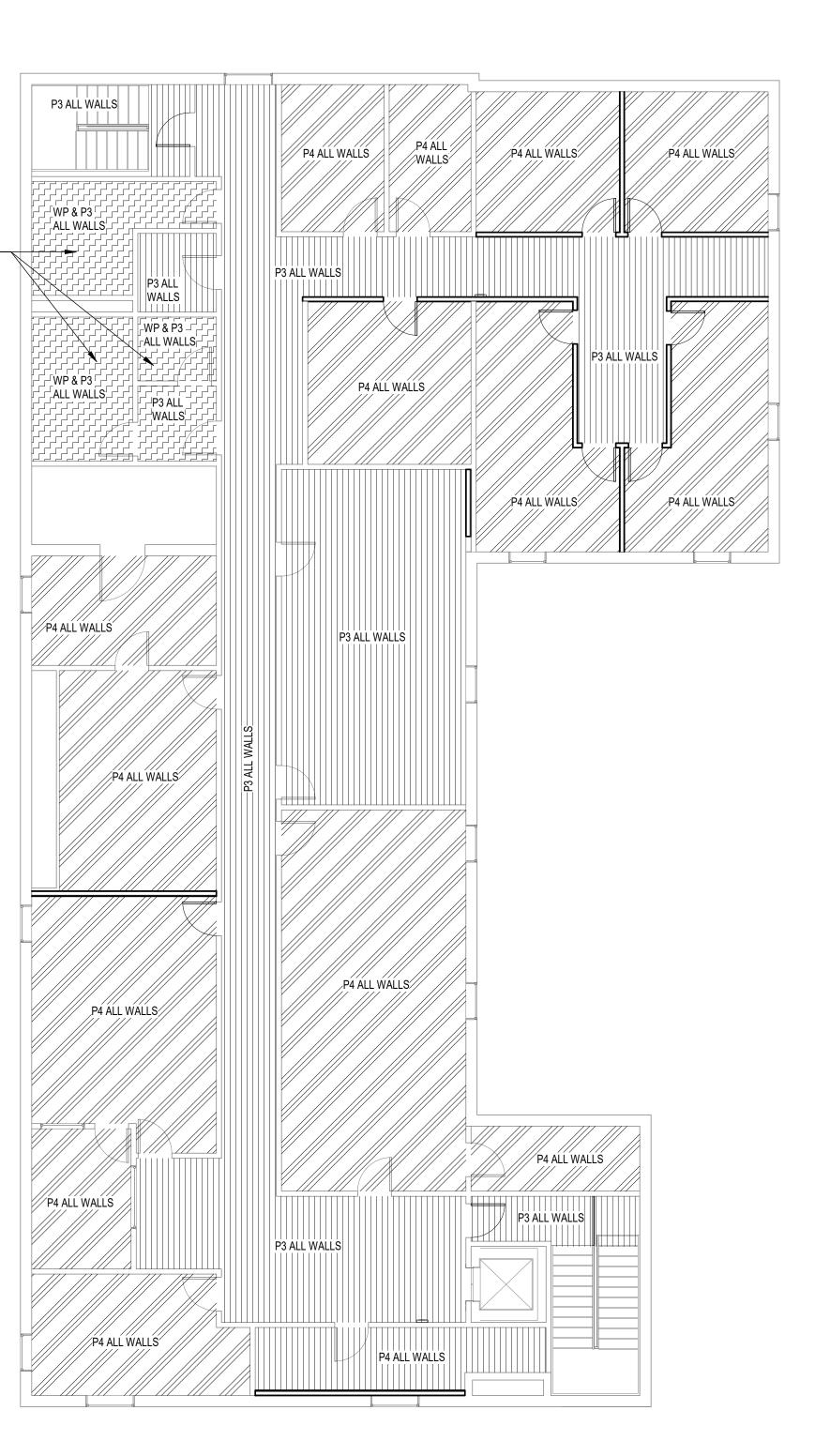
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A-601

1 FIRST FLOOR FINISH AND PAINT PLAN
1/8" = 1'-0"





2 SECOND FLOOR FINISH AND PAINT PLAN
1/8" = 1'-0"

GENERAL SHEET NOTES

- 1. SEE A-101 FOR DIMENSIONED FLOOR PLAN
- 2. ALL FINISHES CALLED OUT ARE TYPICAL TO EACH ROOM UNLESS NOTED OTHERWISE
- 3. FLOOR PATTERN IS SHOWN AS GRAPHIC ONLY CONTRACTOR TO COORDINATE WITH OWNER FOR FINAL SELECTION OF
 FLOOR FINISH. CONTRACTOR TO SUBMIT SAMPLES TO OWNER FOR
 REVIEW / APPROVAL
- 4. ALL WALLS TO BE PAINTED WITH P1 FIELD COLOR, SW 9173 SHIITAKE UNLESS OTHERWISE NOTED.

PAINT LEGEND

- P1 FIELD COLOR ABOVE CHAIR RAIL: SW 6533 MILD BLUE
- P2 FIELD COLOR BELOW CHAIR RAIL: SW 9173 SHIITAKE
- P3 HALLWAY FIELD COLOR: SW 6525 RARIFIED AIR
- P4 OFFICE FIELD COLOR: SW 7567 NATURAL TAN
- P5 GWB CEILING COLOR: SW 7007 CEILING BRIGHT WHITE
- P6 HM FRAME COLOR : SW 7007 EXTRA WHITE

FINISH MATERIAL LEGEND

CPT1 - CARPET TILE
PENTZ REVIVAL
2212 AWAKENING
24"x24"

LVT - LUXURY VINYL TILE
INTERFACE, STEADY STRIDE WOODGRAINS
B00109 ELM
5"40" PLANK,22MIL

POT1 - PORCELIAN FLOOR TILE MADAGASCAR HEX, DRIFTWOOD GROUT: MAPEI 106 WALNUT

> WP - RESTROOM WALL PROTECTION RAMPART LUXOR, LUX 5775 OCEAN TRIM: TOP/END CAPS 29 BLUE ICE

VB1 - VINYL COVE BASE TARKETT, ICICLE 08 STANDARD : 4" HIGH (ALL SPACES)

VB2 - VINYL COVE CHAIR RAIL & BASE CHAIR RAIL : 4.5" DIPLOMAT BASE : 6" ATTACHE

ROOM FINISH NOTES:

- 1. ALL WOOD TRIM TO BE PLAIN SAWN SELECT WHITE MAPLE, PAINTED AND SEALED PAINT COLOR TO MATCH SELECTED PAINT COLOR FOR HM FRAMES, TYP.
- SUSPENDED CEILING GRID TO BE USG CORPORATION, DONN BRAND DX 15/16". TEE SYSTEM OR DONN BRAND FINELINE DXF 9/16", INTERMEDIATE DUTY . (SEE ROOM FINISH SCHEDULE SPECIFICATIONS FOR TYPE REQUIRED AT EA. TILE)
- FLOORING CONTRACTOR TO PROVIDE RUBBER TRANSITION STRIPS AND / OR METAL EDGING AT ALL MATERIAL TRANSITIONS FINISH TO BE SELECTED BY ARCHITECT
- FLOORING CONTRACTOR SHALL PATCH, GRIND, AND FILL ALL FLOOR SURFACES AS REQUIRED TO PROVIDE A SMOOTH LEVEL SURFACE READY FOR INSTALLATION OF NEW FLOOR FINISHES
- PROVIDE NOBLESEAL CIS COMPOSITE SHEET MEMBRANE OVER ALL SAWCUT JOINTS IN CONCRETE SLAB THAT ARE BRIDGED BY PORCELAIN OR CERAMIC TILE INSTALL JOINT BRIDGING MATERIAL AS PER ALL MANUFACTURER'S SPECIFICATIONS AND DETAILS
- 6. FLOORING CONTRACTOR SHALL STRIP AND FINISH ALL VCT FLOORING AS PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS PRIOR TO OCCUPANCY
- 7. ALL INTERIOR METALS TO BE PAINTED
- 8. ALL GYPSUM BOARD BULKHEADS TO BE PAINTED
- ALL GYPSUM BOARD TO BE INSTALLED IN ACCORDANCE WITH THE GYPSUM CONSTRUCTION HANDBOOK. LEVEL OF FINISH AS PER GA-214 TO BE: LEVEL 1 AT CONCEALED AND ABOVE CEILING AREAS OR AS REQUIRED BY FIRE RATED ASSEMBLY TESTING, LEVEL 4 AT EXPOSED OR BELOW CEILING AREAS. ALL GYPSUM BOARD TO HAVE A SMOOTH
- 10. CONTRACTOR SHALL PROVIDE PRODUCTS COMPLETE WITH ALL ACCESSORIES, TRIM, FINISH, FASTENERS, AND OTHER ITEMS NEEDED FOR A COMPLETE INSTALLATION AND INDICATED USE AND EFFECT
- 11. REFERENCE TO MATERIALS OR SYSTEMS HEREIN BY NAME, MAKE, OR CATALOG NUMBER IS INTENDED TO ESTABLISH A STANDARD QUALITY, AND NOT TO LIMIT COMPETITION; AND THE WORDS "OR APPROVED EQUIVALENT" ARE IMPLIED FOLLOWING EACH BRAND NAME. "OR APPROVED EQUIVALENT" MATERIALS SHALL BE APPROVED BY THE ARCHITECT PRIOR TO ACCEPTANCE FOR USE
- 12. ALL EXISTING PORCELIAN TILE IN RESTROOMS TO REMAIN. RAMPART STRONGHOLD LINER, RSL 609, TO BE USED ON TOP OF EXISTING TILE PER MANUFACTURER'S INSTRUCTIONS. FINAL RESTROOM WALL FINISH TO BE RAMPART LUXOR PER FINISH MATERIAL LEGEND ON ALL WET WALLS.



City of Auburndale - Bank Building

Plans

and

Room Finish Schedule

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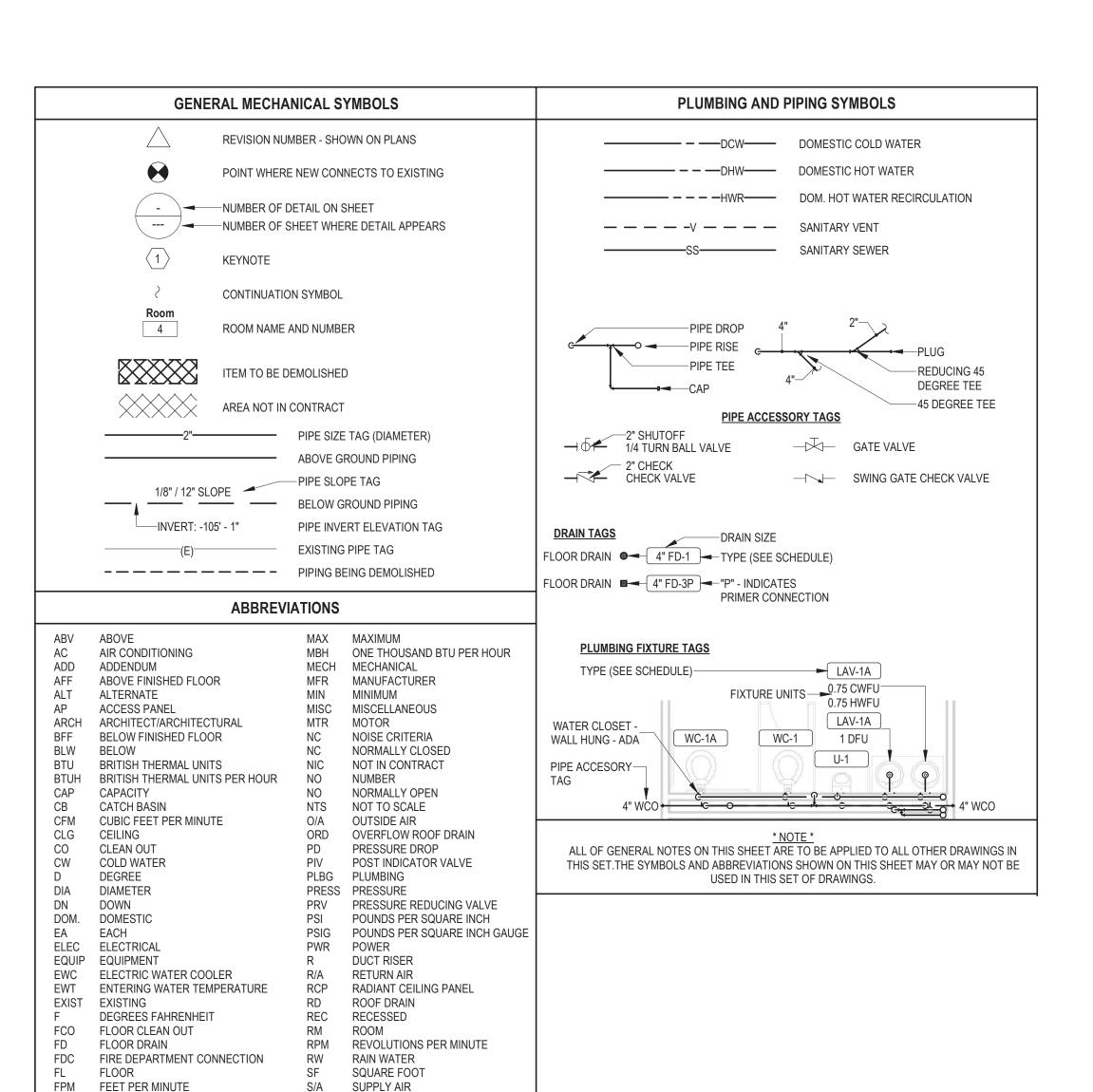
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EQUIPMENT ABBREVIATIONS

SANITARY

SQUARE FOOT

STANDPIPE

THERMOSTAT

TRENCH DRAIN

UNDERGROUND

VTR VENT THROUGH ROOF

TEMP TEMPERATURE

TYPICAL

VAC VACUUM

VENT

VENT VENTILATION

WASTE

WCO WALL CLEAN OUT

WH WALL HYDRANT

WB WET BULB

SMOKE DAMPER

SURFACE MOUNT

TEMPERATURE DROP

SAN

TDR

TYP

FLOOR SINK

FIN TUBE RADIATION

GENERAL CONTRACTOR

GALLONS PER MINUTE

GREASE WASTE

FOOT/FEET

GALLON

HOSE BIB

HEATING

HEATER

HYDRANT

INDIRECT

INCH

INVFRT

POUND

LB/HR POUNDS PER HOUR

LOW PRESSURE

LEAVING AIR TEMPERATURE

HOT WATER

FTR

GW

HTG

HTR

HW

HYD

INV

LB

LAT

LP

AC	AIR CONDITIONING UNIT	ET	EXPANSION TANK
ACCU	AIR COOLING CONDENSING UNIT	EWH	ELECTRIC WATER HEATER
AHU	AIR HANDLING UNIT	FCU	FAN COIL UNIT
AS	AIR SEPARATOR	RE	RETURN/EXHAUST FAN
DCP	DOMESTIC WATER CIRCULATING PUMP	RTU	ROOFTOP UNIT
EF	EXHAUST FAN	WH	WATER HEATER

PLUMBING NOTES

- ALL WORK SHALL COMPLY WITH APPLICABLE NATIONAL, STATE, AND LOCAL CODES. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, THE 2020 FLORIDA PLUMBING CODE. WHERE CONFLICTS OCCUR BETWEEN CODES, OR BETWEEN CONSTRUCTION DOCUMENTS AND CODES, THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN.
- . REVIEW PLANS OF ALL TRADES PRIOR TO BIDDING AND BEGINNING WORK. INSTALLATIONS ARE TO INCLUDE ALL PLUMBING FOR COMPLETE SYSTEMS SHOWN ON THE PLANS AND AS REQUIRED.
- 8. COORDINATE WITH OTHER TRADES TO PREVENT INTERFERENCE WITH HVAC DUCTS. STRUCTURE. ELECTRICAL LIGHTING, AND OTHER PIPING IN THE CEILING SPACE. VENT PIPING AND WATER PIPING SHALL BE HELD EITHER ABOVE OR BELOW HVAC DUCTWORK, AS COORDINATED WITH THE HVAC CONTRACTOR.
- 4. ALL CHANGES SHALL BE REVIEWED BY THE ARCHITECT
- 5. $\,$ COORDINATE WITH ARCHITECTURAL DRAWINGS BEFORE ROUGHING-IN PLUMBING FIXTURES AND EQUIPMENT
- 6. THE PLUMBING SUBCONTRACTOR SHALL FURNISH AND INSTALL ALL PLUMBING FIXTURES, UNLESS NOTED OTHERWISE.
- VERIFY MOUNTING HEIGHT AND WATER CONNECTION SIZES OF ALL PLUMBING FIXTURES PRIOR TO ROUGH-IN. FURNISH CUT-OUT TEMPLATES, FOR PLUMBING FIXTURES TO BE INSTALLED IN MILLWORK, TO THE GENERAL
- 8. MAKE PROPER HOT AND COLD WATER, WASTE AND VENT PIPING CONNECTIONS TO ALL FIXTURES AND EQUIPMENT EVEN THOUGH ALL FITTINGS AND CONNECTIONS ARE NOT SHOWN ON DRAWINGS.
- VERIFY LOCATION OF WATER SERVICE AND THE LOCATION/INVERTS OF SANITARY PIPING PRIOR TO INSTALLATION.
- 10. CUT AND PATCH CONCRETE AS REQUIRED.

CONTRACTOR.

- 11. IT IS NOT THE INTENT OF THESE DRAWINGS TO COVER ALL WORK AND MATERIAL. ANY EQUIPMENT, PLUMBING FIXTURE. TRIM HARDWARE AND/OR DEVICES USUALLY UTILIZED IN THE CLASS OF WORK. THOUGH NOT SPECIFICALLY MENTIONED OR SHOWN ON THESE DRAWINGS, BUT WHICH MAY BE NECESSARY FOR THE SATISFACTORY COMPLETION OF THE WORK (AS DETERMINED BY THE ARCHITECT) SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR AS PART OF HIS TOTAL WORK.
- 12. THE EQUIPMENT ROUGH-IN ITEMS AND THEIR DIMENSIONED LOCATIONS FOR ALL CONNECTIONS ARE ACCURATE TO THE BEST OF OUR KNOWLEDGE. IN SOME INSTANCES THE OWNER OR SUPPLIER MAY MAKE SUBSTITUTIONS OR EQUIPMENT ITEMS MAY VARY FROM WHAT IS SHOWN. THEREFORE, THESE ITEMS AND DIMENSIONS SHALL BE VERIFIED WITH THE EQUIPMENT SUPPLIER, OWNER AND/OR EQUIPMENT ROUGH-IN DRAWING. FAILURE OF THE APPROPRIATE CONTRACTOR TO VERIFY ROUGH-INS OR THEIR LOCATIONS SHALL PLACE THE RESPONSIBILITY FOR ANY SUBSEQUENT RELOCATION AND/OR ADDITIONAL ROUGH-INS DIRECTLY UPON THAT CONTRACTOR.
- 13. CONTRACTOR SHALL SUPPLY TO THE ARCHITECT/ENGINEER THE REQUIRED COPIES OF SHOP DRAWINGS FOR APPROVAL SO THE QUALITY OF INTENDED MATERIALS OR EQUIPMENT CAN BE REVIEWED BEFORE INSTALLATION. THERE WILL BE NO INSTALLATION UNTIL SHOP DRAWINGS HAVE BEEN SUBMITTED AND REVIEWED BY THE ARCHITECT/ENGINEER.
- 14. DO NOT SCALE THIS DRAWING. REFER TO ARCHITECTURAL FLOOR PLAN FOR BUILDING DIMENSIONS
- 15. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND DESIGNED AROUND BASIS OF DESIGN PRODUCTS WHICH HAVE ESTABLISHED THE PERFORMANCE CRITERIA FOR THIS PROJECT. PRODUCTS SUBMITTED BY THE CONTRACTOR MAY BE ARRANGED DIFFERENTLY AND THE PRODUCTION OF CONTRACTOR COORDINATED DRAWINGS IS REQUIRED TO BE SUBMITTED PRIOR TO THE START OF CONSTRUCTION. THESE DIAGRAMMATIC DRAWINGS DO NOT NECESSARILY SHOW ALL ELBOWS, OFFSETS, UNIONS, VALVES, FITTINGS, AND ACCESSORIES REQUIRED TO COMPLETE THE INSTALLATION OF WORK. THE SUBMISSION OF A PROPOSAL SHALL BE CONSTRUED AS EVIDENCE THAT THE CONTRACTOR HAS FAMILIARIZED THEMSELVES WITH THE PLANS AND BUILDING SITE. CLAIMS MADE SUBSEQUENT TO THE PROPOSAL FOR MATERIALS AND LABOR BECAUSE OF DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED IF THEY COULD HAVE BEEN FORESEEN HAD PROPER EXAMINATION
- 16. VERIFY SERVICE POINTS AND METERING LOCATIONS FOR PROJECTS WITH LOCAL UTILITIES AND/OR LANDLORD (DOMESTIC WATER, SANITARY SEWER, ETC.).
- 17. THE CONTRACTOR SHALL COOPERATE FULLY AMONG ALL TRADES.
- 18. ALL ROOF PENETRATIONS FOR PLUMBING PIPING SHALL BE MADE IN ACCORDANCE WITH ROOF SYSTEM MANUFACTURER'S GUIDELINES. COORDINATE WITH ARCHITECTURAL DETAILS AND/OR MANUFACTURER FOR ROOF
- 19. ALL PLUMBING VENTS IN EXTERIOR WALLS SHALL BE OFFSET A MINIMUM OF 3'-0" BEFORE ROOF PENETRATION.
- 20. PLUMBING CONTRACTOR SHALL VERIFY WITH THE LOCAL HEALTH DEPARTMENT AND/OR WATER COMPANY AS TO THE METER AND VALVING ARRANGEMENTS OF THE DOMESTIC WATER SERVICE LINE WHICH ENTERS THE BUILDING. SHOULD A BACKFLOW PREVENTER ASSEMBLY AND/OR PRESSURE REDUCING VALVE ASSEMBLY BE REQUIRED. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL AS REQUIRED PER LOCAL AND STATE REQUIREMENTS. THE BACKFLOW ASSEMBLY SHALL BE A "WATTS" SERIES #909 OR APPROVED EQUAL. MEETING ASSE STANDARDS 1013. 1015, & 1020. IF BACKFLOW PREVENTER IS REQUIRED, PROVIDE PROPERLY SIZED THERMAL EXPANSION TANK IN SUPPLY PIPING OF WATER HEATER. IF WATER PRESSURE IS 65 PSI OR ABOVE, THE PRESSURE REDUCING VALVE ASSEMBLY SHALL BE A "WATTS" SERIES #U5 SET AT 50 PSI DELIVERY PRESSURE, UNLESS OTHERWISE NOTED.
- 21. THE POTABLE WATER SUPPLY SHALL BE PROTECTED AGAINST BACKFLOW AND SIPHONAGE, BOTH NATURAL AND INDUCED. ALL EQUIPMENT CONNECTED TO THE POTABLE WATER SYSTEM BEING CAPABLE OF POLLUTING OR CONTAMINATING THE POTABLE WATER DISTRIBUTION SYSTEM OR ANY PART THEREOF BY MEANS OF A REVERSAL OF FLOW, PRESSURE DROP, PRESSURE LOSS, INDUCED VACUUM, OR BY INJECTION BECAUSE OF ANY PRIMARY OR AUXILIARY PUMPING SYSTEM CONNECTED, MUST BE ISOLATED AND CONTAINED BY MEANS OF APPROVED BACKFLOW DEVICES, CHECK VALVES, AIR GAPS, OR VACUUM BREAKERS. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL THESE DEVICES PER LOCAL CODE REQUIREMENTS.
- 22. THE WATER PIPING SYSTEM SHALL BE FLUSHED AND STERILIZED IN ACCORDANCE WITH LOCAL REGULATIONS.
- 23. HOT AND COLD WATER SUPPLY BRANCHES FOR ALL SYSTEMS HAVING QUICK CLOSING VALVES OF ANY TYPE SHALL HAVE WATER HAMMER ARRESTORS INSTALLED AT THE HIGH POINT ON THE END OF EACH BRANCH AND AS
- 24. ALL PIPES HANGING FROM SINGLE VERTICAL RODS / HANGERS SHALL NOT MOVE OR SWAY DURING OPERATION. SUITABLE LATERAL SUPPORTS OR BRACING SHALL BE USED TO PREVENT SWAY OR MOVEMENT.
- 25. PROVIDE SHUTOFF BALL VALVES AND DIELECTRIC UNIONS FOR ALL EQUIPMENT HOT AND COLD WATER LINES. PLUMBING CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS TO EQUIPMENT. COORDINATE WITH EQUIPMENT SUPPLIER FOR EXACT REQUIREMENTS.
- 26. VERIFY MOUNTING HEIGHTS OF ALL BARRIER FREE FIXTURES WITH ARCHITECTURAL PLANS.
- 27. PROVIDE COPPER INDIRECT WASTE PIPING REQUIRED FROM EQUIPMENT TO FLOOR DRAINS. PIPING SHALL COMPLY WITH STATE AND LOCAL CODES. COORDINATE WITH ALL EQUIPMENT SUPPLIERS AND SIZES AS REQUIRED BY PIECE OF EQUIPMENT SERVED. HOLD PIPING TIGHT TO WALL WHERE APPLICABLE. PROPERLY SECURE AS REQUIRED. COORDINATE WITH CASEWORK SUPPLIER FOR MAXIMUM CLEARANCE UNDER CABINETS.
- 28. PROVIDE CHROME PLATED ESCUTCHEONS AT ALL WALL PENETRATIONS.
- 29. INSTALL SANITARY PIPING LESS THAN 3" WITH A MINIMUM SLOPE OF 1/4" PER FOOT. 3" TO 6" WITH A MINIMUM SLOPE OF 1/8" PER FOOT. CONTRACTOR IS RESPONSIBLE FOR PROPER DRAINAGE OF ALL SYSTEMS.
- 30. ALL VENT PIPE TO BE COMPATIBLE WITH STRUCTURE, MECHANICAL EQUIPMENT, DUCTWORK, ELECTRICAL EQUIPMENT, AND LIGHTING. ALL VTR'S SHALL BE EXTENDED TO A MINIMUM OF 2" ABOVE PARAPET HEIGHT AND MAINTAINED 10'-0" MINIMUM FROM ALL OUTSIDE AIR INTAKES.
- 31. MATERIALS, EQUIPMENT, ASSEMBLIES AND SYSTEMS SHALL MEET ALL PERTINENT REQUIREMENTS OF NATIONALLY RECOGNIZED TESTING ORGANIZATIONS SUCH AS UL, ASTM, ASSE, AWWE, AGA AND NFPA AS WELL AS THE MOST CURRENT ADOPTED VERSION OF THE STATE AND LOCAL CODES.
- 32. ALL INSTALLED SYSTEMS, DEVICES AND RELATED ITEMS SHALL BE TESTED IN PLACE. REPLACE ANY AND ALL CONTRACTOR SUPPLIED DEFECTIVE DEVICES, ITEMS, OR SYSTEMS AT CONTRACTOR'S EXPENSE, BEFORE COMPLETION OF PROJECT.
- 33. WHERE JOB CONDITIONS REQUIRE CHANGES FROM THE CONTRACT DOCUMENTS THAT DO NOT CHANGE THE SCOPE OR NATURE OF WORK REQUIRED, THE CONTRACTOR SHALL MAKE SUCH CHANGES WITHOUT ADDITIONAL COST TO THE OWNER. NO OTHER CHANGES MAY BE MADE WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
- 34. ALL EQUIPMENT, FIXTURES AND MATERIALS SHALL BE NEW AND UNUSED, AND INSTALLED IN STRICT CONFORMANCE TO MANUFACTURER'S RECOMMENDATIONS (UNLESS OTHERWISE NOTED). PROVIDE COMPLETE WITH ALL TRIM, STOPS, HANGERS, CARRIERS, SUPPORTS, ETC., INCLUDING PROVISIONS FOR BARRIER FREE USE, IF REQUIRED. WHERE FIXTURES ARE ACCESSIBLE THEY MUST COMPLY WITH ALL FEDERAL ADA REGULATIONS.
- 35. CONTRACTOR SHALL GUARANTEE ALL WORK FOR WHICH MATERIALS ARE FURNISHED, FABRICATED, FIELD ERECTED. ALL FACTORY ASSEMBLED EQUIPMENT FOR WHICH NO SPECIFIC MANUFACTURER'S GUARANTEE IS FURNISHED, AND ALL WORK IN CONNECTION WITH INSTALLATION OF MANUFACTURER'S GUARANTEED EQUIPMENT. THE CONTRACTOR'S GUARANTEE SHALL LAST ONE YEAR FROM THE FINAL OWNER ACCEPTANCE OF THE WORK AND SHALL APPLY TO ALL DEFECTS IN MATERIALS AND WORKMANSHIP OF ANY KIND.
- 36. ALL FAUCET CONTROLS SHALL BE OPERABLE WITH ONE HAND AND NOT REQUIRE TIGHTGRASPING.
- 37. ALL BARRIER FREE WATER CLOSET CONTROLS SHALL BE LOCATED ON UNIT TOWARDS WIDE SIDE OF STALL VERIFY IF RIGHT OR LEFT SIDE LOCATION.

GENERAL NOTES

- THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATIVE OF WORK TO BE PROVIDED (FURNISHED AND INSTALLED) UNDER THIS CONTRACT. DRAWINGS SHOULD NOT BE SCALED.
- THE CONTRACTOR IS RESPONSIBLE TO EXAMINE THE EXISTING CONDITIONS UNDER WHICH THEY SHALL OPERATE AND VERIFY THE EXTENT OF WORK REQUIRED TO COMPLETE THE WORK UNDER THIS CONTRACT.
- PRIOR TO ORDERING AND FABRICATING ANY EQUIPMENT, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXAMINE THE PHYSICAL CONDITIONS AT THE PROJECT SITE AND VERIFY SPACE AND SUFFICIENT CLEARANCES ARE AVAILABLE FOR INSTALLING EQUIPMENT, DUCTWORK, PIPING, AND APPURTENANCES, AND TO DETERMINE ANY NECESSARY MODIFICATIONS.
- PERFORM ALL WORK IN COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES, REGULATIONS, AND STANDARDS ADOPTED BY THE AUTHORITY HAVING JURISDICTION. IF CONFLICTS EXIST BETWEEN THESE ENGINEERING DOCUMENTS AND CODES, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN.
- ALL CONSTRUCTION WORK SHALL ALSO MEET THE FOLLOWING CODE REQUIREMENTS:
- FLORIDA BUILDING CODE (FBC) 2020
- FLORIDA EXISTING BUILDING CODE 2020
- FBC MECHANICAL 2020 FBC PLUMBING 2020
- FBC ENERGY CONSERVATION 2020 FLORIDA FIRE PREVENTION CODE 2020
- NFPA 1-2018, THE UNIFORM FIRE CODE NFPA 101-2018, THE LIFE SAFETY CODE
- NFPA 51B-2014, STANDARD FOR FIRE PREVENTION DURING WELDING, CUTTING AND OTHER HOT WORK NFPA 13-2016, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS
- NFPA 70-2017, NATIONAL ELECTRICAL CODE
- NFPA 90A-2018, STANDARD FOR THE INSTALLATION OF AIR CONDITIONING AND VENTING SYSTEMS. NFPA 99-2018. STANDARD FOR HEALTH CARE FACILITIES
- NFPA 241-2013, STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION AND DEMOLITION OPERATIONS
- CONTRACTOR SHALL COORDINATE AND SEQUENCE DEMOLITION, CLEANING, AND CONSTRUCTION WORK.
- CONTRACTOR SHALL NOTE ANY SPECIAL REQUIREMENTS FOR INSTALLATION OF WORK UNDER THIS CONTRACT DISMANTLE AND REASSEMBLE EQUIPMENT AS NECESSARY FOR ENTRY INTO THE BUILDING AND THE LOCATION OF
- THE CONTRACTOR SHALL MAINTAIN A COMPLETE PROJECT SCHEDULE AND SHALL UPDATE THIS SCHEDULE WEEKLY. ANY CHANGES SHALL BE NOTED AND AN UPDATED SCHEDULE SHALL BE PROVIDED TO THE OWNER.
- 9. ALL PERMITS, FEES, TAXES, ETC SHALL BE PAID BY CONTRACTOR AS PART OF THE TOTAL PROJECT COST.
- IO. MAINTAIN THE INTEGRITY OF ALL FIRE AND SMOKE RATED WALLS, PARTITIONS, CEILINGS, AND FLOORS. SEAL ALL PENETRATIONS THROUGH RATED ASSEMBLIES WITH FIRESTOP MATERIAL IN ACCORDANCE WITH U.L. REQUIREMENTS TO MAINTAIN THE ASSEMBLY RATING.
- 1. CONTRACTOR SHALL FURNISH U.L. APPROVED DRAWINGS FOR EACH TYPE OF FIRE AND SMOKE RATED ASSEMBLY PENETRATION BY DUCTS, PIPES, OR CONDUITS, AND SHALL DISPLAY THESE DRAWINGS ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION.
- 12. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND EQUIPMENT SUBMITTALS FOR ALL PRODUCTS USED ON
- 13. THE ENGINEER'S APPROVAL OF SUBMITTAL DATA SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR DEVIATIONS FROM THE REQUIREMENTS OF CONTRACT DOCUMENTS UNLESS THE CONTRACTOR HAS RECEIVED WRITTEN APPROVAL FROM THE ENGINEER TO THE SPECIFIC DEVIATION. THE ENGINEER'S APPROVAL OF SUBMITTAL DATA SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN HIS OR HER SUBMITTAL DATA.
- 14. THE CONTRACTOR IS REQUIRED TO SUBMIT THREE COMPLETE O&M MANUALS IN THREE RING BINDERS AT SUBSTANTIAL COMPLETION. MANUALS SHALL INCLUDE INSTALLATION AND MAINTENANCE DATA ON ALL NEW EQUIPMENT AND MATERIALS, CERTIFIED TECHNICAL PRODUCT DATA, EQUIPMENT SHOP DRAWINGS, SPARE PARTS DATA, ETC. PROVIDE AN INDEX AND ASSOCIATED DIVIDERS.
- 15. CLOSE OUT DOCUMENTS: THE CONTRACTOR IS TO MAINTAIN ONE SET OF CONSTRUCTION DRAWINGS ON SITE AND KEEP CURRENT WITH MARK UP AS-BUILT CONDITIONS DURING CONSTRUCTION OF THE PROJECT. THIS SET IS TO INCLUDE ALL CONTRACT CHANGES, MODIFICATIONS AND CLARIFICATIONS. THIS SET ALONG WITH ALL SHOP DRAWINGS SHALL BE TURNED OVER TO THE ARCHITECT/ENGINEER AFTER CONSTRUCTION COMPLETION.
- 16. IT IS THE RESPONSIBILITY OF ALL BIDDERS TO THOROUGHLY REVIEW AND UNDERSTAND ALL CONSTRUCTION DOCUMENTS. THIS INCLUDES BUT IS NOT LIMITED TO ALL DRAWINGS, SPECIFICATION SECTIONS, ETC. THE DRAWINGS ARE SCHEMATIC IN NATURE. THEREFORE BEFORE STARTING ANY WORK, THE CONTRACTOR SHALL REVIEW ALL OTHER CONSTRUCTION DOCUMENTS, VERIFY FIELD CONDITIONS AND SHALL MAKE ANY REQUIRED MINOR ADJUSTMENTS WITHOUT EXTRA COST TO THE OWNER. ANY MAJOR DISCREPANCIES FOUND SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER. THE BASE BID SHALL REFLECT THE TOTAL COST OF NEW EQUIPMENT INSTALLATION. THIS INCLUDES LABOR, EQUIPMENT AND MATERIALS. NO CHANGE ORDERS SHALL BE ISSUED WITHOUT WRITTEN CONSENT AND APPROVAL FROM ENGINEER AND ARCHITECT.

PLUMBING MATERIALS

DOMESTIC WATER PIPING:

- DOMESTIC HOT AND COLD WATER PIPING ABOVE GROUND SHALL BE TYPE "L" RIGID COPPER WITH WROUGHT COPPER FITTINGS; BELOW GROUND SHALL BE TYPE "K" SOFT COPPER WITH NO JOINTS PERMITTED BELOW GROUND, ALL JOINTS SHALL BE MADE WITH 95-5 SOLDER OR EQUAL. CONTRACTOR TO PROVIDE DEDUCT ALTERNATIVE BID FOR DOMESTIC HOT AND COLD WATER PIPING TO BE SCHEDULE 40 CPVC WITH SOLVENT WELDED FITTINGS ABOVE AND BELOW GROUND.
- DOMESTIC WATER PIPING SHALL BE INSULATED WITH FLEXIBLE UNICELLULAR SELF-SEAL INSULATION, ARMAFLEX TUBOLIT SS OR EQUAL, WITH AN ALL-SERVICE JACKET. THICKNESS SHALL BE 1" OR AS PER FBC ENERGY CODE. PROVIDE SHEET METAL SADDLES AT EACH HANGER. ALL PIPE INSULATION SHALL BE PLENUM RATED FOR PRESSURE PIPE.

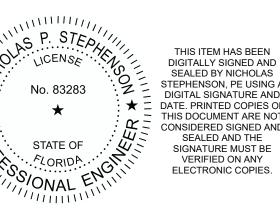
SANITARY WASTE AND VENT PIPING:

- SANITARY WASTE AND VENT PIPING SHALL BE DWV SCHEDULE 40 PVC ABOVE AND BELOW GRADE.
- MISCELLANEOUS:
- ALL HORIZONTAL PIPING PENETRATIONS SHALL BE PROVIDED WITH ESCUTCHEONS TO PROVIDE A CLEAN INSTALLATION.
- PIPING PENETRATIONS THROUGH BUILDINGS STRUCTURE SHALL BE UL RATED AND FIRESTOPPED, WHERE
- HANGERS: ALL MATERIAL SHALL BE NON-FERROUS AND NON-CORRODING. FASTEN WITH LAG SCREW OR WITH EXPANSION SHIELDS AS APPLICABLE. FOR WATER PIPING, PROVIDE ADJUSTABLE COPPER PLATED HANGERS AT 6' INTERVALS MAXIMUM. PROVIDE HANGERS TO ALLOW FOR FULL THICKNESS OF INSULATION.
- VALVES: SHUTOFF VALVES SHALL BE TWO-PIECE, FULL PORT BALL VALVES WITH STAINLESS STEEL TRIM. PROVIDE DRAINAGE VALVES ON MAINS. PROVIDE VALVES BY APOLLO, NIBCO, GRINNELL, HAMMOND, MILWAUKEE, LUNKENHEIMER, OR WATTS. ALL VALVES SHALL BE MANUFACTURED IN THE U.S.
- INSTALL SHUTOFF VALVES ON EACH PIECE OF EQUIPMENT.
- CLEARLY LABEL ALL VALVES AND COMPONENTS. ALL PIPING SYSTEMS AND FLOW DIRECTION SHALL BE CLEARLY LABELED WITH COMMERCIAL PIPE LABELING DEVICES.
- DISINFECT DOMESTIC WATER DISTRIBUTION SYSTEM. FLUSH AND TEST ALL SYSTEMS FOR PROPER OPERATION. ADJUST SYSTEM TO PREVENT WATER HAMMER.
- MAINTAIN INDICATED FIRE RATINGS OF WALLS, PARTITIONS, CEILINGS AND FLOORS AT PENETRATIONS. SEAL WITH
- FIRESTOPPING TO MAINTAIN FIRE RATING. RESTORE DAMAGED FINISHES. CLEAN AND PROTECT WORK FROM DAMAGE.
- INSTRUCT OWNER'S PERSONNEL IN PROPER OPERATION OF SYSTEMS

PLUMBING SHEET INDEX

- P-001 PLUMBING NOTES AND LEGENDS
- P-101 PLUMBING PLANS P-102 ENLARGED RESTROOMS PLUMBING PLAN

P-501 PLUMBING DETAILS AND SCHEDULES







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GEND N N S UMBING

90% REVIEW

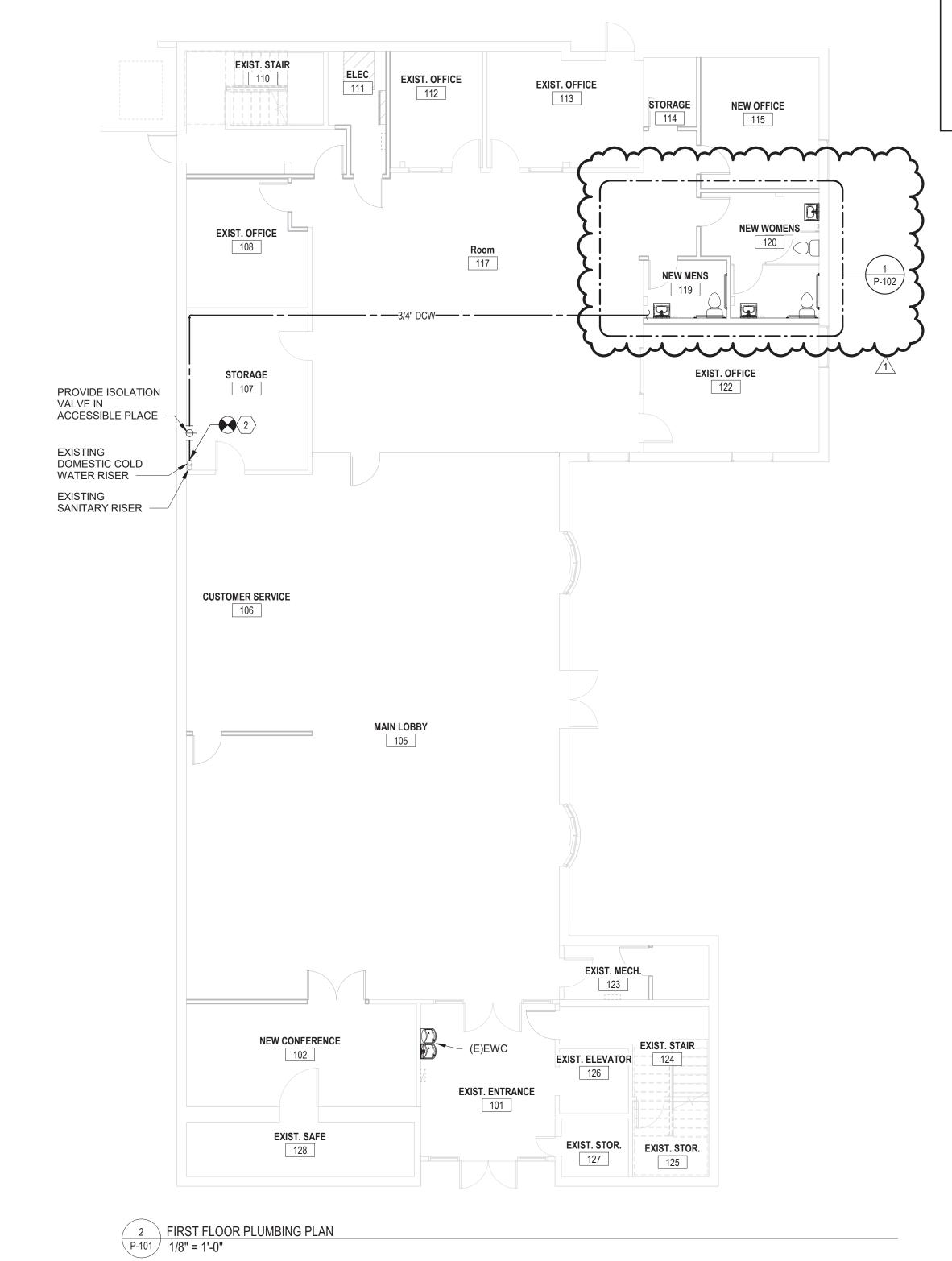
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KEYNOTES

- CONNECT NEW WATER HEATER TO EXISTING WATER HEATER COLD AND HOT WATER PIPE CONNECTIONS. FIELD VERIFY EXACT LOCATION AND SIZE. REFER TO DETAILS FOR MORE INFORMATION.
- CONNECT NEW 3/4" COLD WATER PIPE TO EXISTING COLD WATER RISER. FIELD VERIFY EXACT LOCATION AND SIZE.

PLUMBING SHEET NOTES

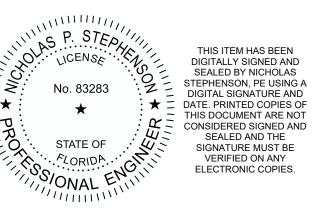
- A THIS PLAN IS DIAGRAMMATIC IN NATURE AND SHALL NOT BE SCALED TO DETERMINE THE LOCATION OR DIMENSION OF THE WORK. CONTRACTOR SHALL VERIFY EXACT LOCATION OF PIPING AND PENETRATIONS.
- B CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THE LOCATION OF EXISTING BELOW GRADE WASTE PIPING AND REFLECT ANY DEVIATION GREATER THAN 1'-0" FROM THIS PLAN ON THE AS-BUILT DRAWINGS.

 C CUTTING, BORING, SAWCUTTING OR DRILLING THROUGH THE NEW AND EXISTING
- STRUCTURAL ELEMENTS TO BE DONE ONLY WHEN SO DETAILED IN THE DRAWINGS OR ACCEPTED BY THE APPROVAL THE CITY INSPECTOR.

 D REPAIR WALL SURFACE AFTER INSTALLATION AND INSPECTION OF EACH
- PLUMBING FIXTURE AND PIPING INSTALLED.
- ALL WALL-MOUNTED ACCESS PANELS SHALL BE LOCKABLE TYPE.
- MAINTAIN MINIMUM 10-0" SEPARATION BETWEEN FLUE AND PLUMBING VENT OUTLETS AND ANY FRESH AIR INTAKE. COORDINATE WITH HVAC CONTRACTOR.
- G FLOORS SHALL SLOPE TO DRAINS AT 1% MINIMUM SLOPE. SEE ARCHITECTURAL PLANS FOR MORE INFORMATION.

 PROVIDE WALL CLEAN OUTS IN ALL VENT RISERS ON BRANCHES LONGER THAN
- PROVIDE WALL CLEAN OUTS IN ALL VENT RISERS ON BRANCHES LONGER THAN 5'-0" AND ON BRANCHES SERVING SINKS OR URINALS.

THE LUNZ GROUP





Nicholas Stephenson

Nicholas Stephenson

Digitally signed by Nicholas Stephenson

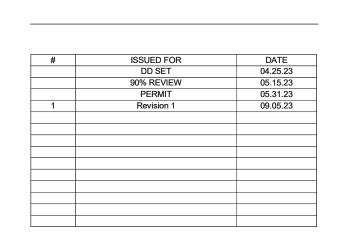
DN: CN-Nicholas Stephenson

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O-MES GROUP INC, C-US

Date: 2023.09.05 12:01:25-04'00'

City of Auburndale - Bank Building



PLUMBING PLANS

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-101

- 1 CONNECT NEW SANITARY PIPE TO EXISTING SANITARY PIPE. FIELD VERIFY EXACT LOCATION, SIZE, INVERTS AND FLOW DIRRECTION.
- 2 CONNECT 2" VENT PIPE TO EXISTING 2" OR BIGGER. FIELD VERIFY EXACT
- LOCATION AND SIZE.

 3 PROVEDE VALVE-LESS TRAP PRIME UNDER LAVATORY. REFER TO DETAILS FOR MORE INFORMATION.

PLUMBING SHEET NOTES

- A THIS PLAN IS DIAGRAMMATIC IN NATURE AND SHALL NOT BE SCALED TO DETERMINE THE LOCATION OR DIMENSION OF THE WORK. CONTRACTOR SHALL VERIFY EXACT LOCATION OF PIPING AND PENETRATIONS.
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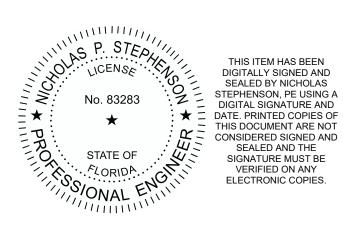
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- PLANS FOR MORE INFORMATION.

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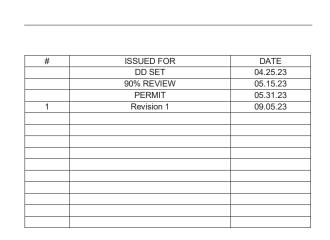
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ENLARGED RESTROOMS



City of Auburndale - Bank Building

6 Bobby Green Plaza Auburndale, Florida 33823



DRAWN BY: Author REVIEW BY: Checker

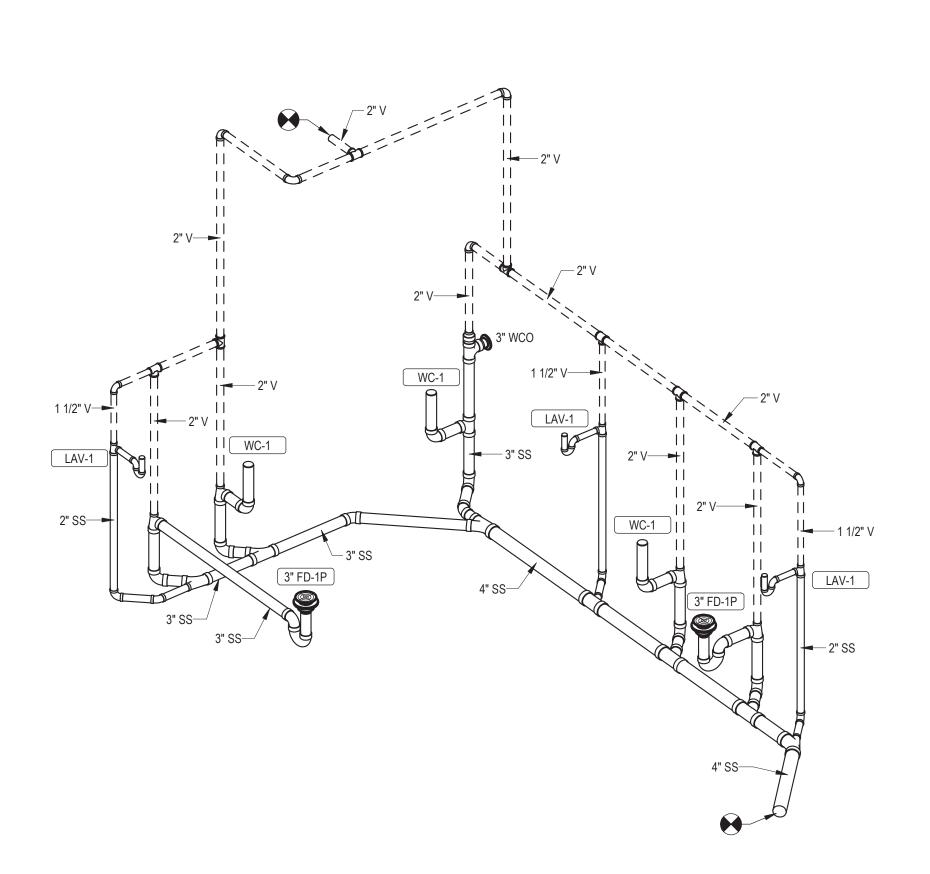
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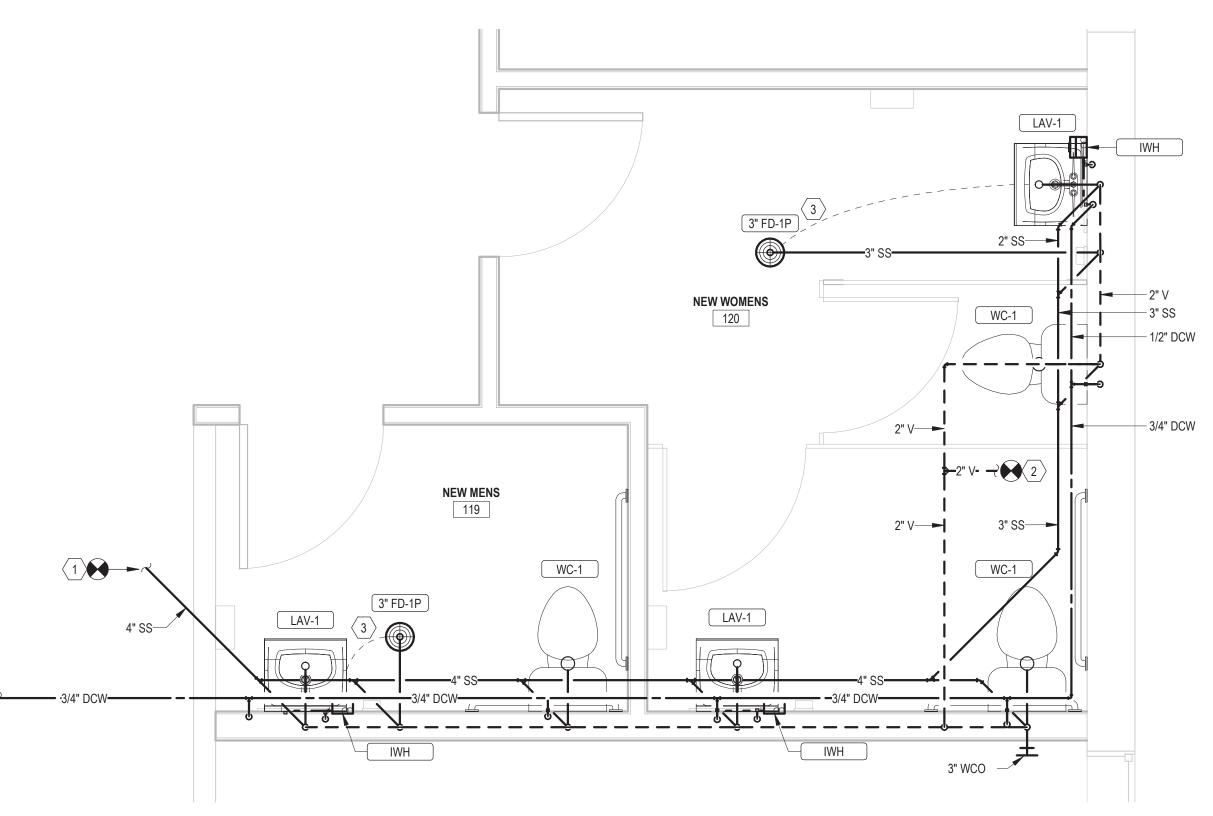


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P-102





2 RESTROOMS WASTE & VENT RISER DIAGRAM
P-102

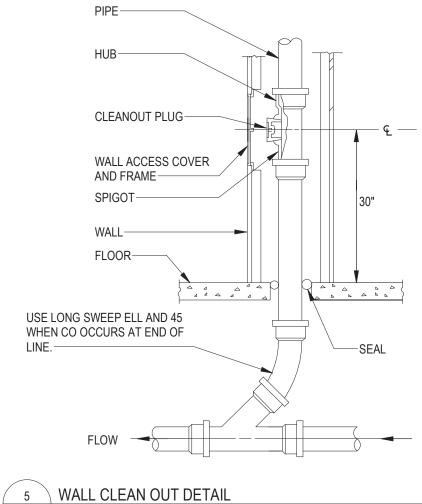
1.28 gal

IZE	SPECIFICATION
'	WALL HUNG LAVATORY WITH BACKSPLASH, FAUCET HOLES ON 4" CENTERS. DECK-MOUNTED FAUCET WITH SENSOR, WATER TURBINE POWER
	WITH VANDAL RESISTANT SPRAY, EXTERNAL ASSE 1070 COMPLIANT THERMOSTATIC MIXING VALVE, GRID DRAIN, LOOSE KEY ANGLE STOPS AN
	SUPPLIES. INSULATE WATER AND WASTE WITH INSULATION KIT.
	ELONGATED FLOOR MOUNTED TANK TYPE WATER CLOSET, WITH CHURCH 295CT ELONGATED OPEN FRONT SEAT. PROVIDE A 1/4" BRASS BALL
	VALVE AT WALL CONNECTION.

				MATERIAL DI	ESCRIPTION	PRIMER	WASTE	VENT	PRIMER	
ID	DESCRIPTION	MANUFACTURER	MODEL	DRAIN BODY	STRAINER	CONNECTION	PIPE SIZE	PIPE SIZE	PIPE SIZE	SPECIFICATION
FD-1	FLOOR DRAIN	WATTS	FD-100-A	EPOXY COATED CAST IRON	NICKEL BRONZE	Yes	3"	2"		EPOXY COATED CAST IRON FLOOR DRAIN WITH ANCHOR FLANGE, REVERSIBLE CLAMPING COLLAR WITH PRIMARY SECONDARY WEEPHOLES, ADJUSTABLE ROUND HEEL PROOF NICKEL BRONZE STRAINER, AND NO HUB OUTLET.

	INSTANTANEOUS ELECTRIC WATER HEATER SCHEDULE																
				ELI HEATING	ECTRIC HEA		MAX TEMP									NO. OF	
ID	MANUFACTURER	MODEL NO.	TYPE	CAP	DESIGN	MIN	RISE	MAWT	EF	FLA	MCA	MOCP	VOLT	PH	FREQ	POLES	REMARKS
IWH	EEMAX	MB005240T	TANKLESS	3.6 kW	1.5 GPM	0.3 GPM	147 °F	115 °F	0.99	17.3 A	21.6 A	25.0 A	208 V	1	60 Hz	2	PROVIDE EXTERNAL ASSE 1017 COMPLIANT MIXING VALVE OR AN INTEGRAL ASSE 1070 RATED MIXING VALVE IN THE UNIT.

					ELECTRIC	WATER	HEATER	SCHE	DULE				
					ELECTRIC HEAT EXCHANGER	ELECTRI EXCHA							
						HEAT EXC	HANGER						
ID	DESCRIPTION	MANUFACTURER	MODEL NO.	TYPE	POWER	EWT	LWT	FLA	MOCP	VOLT	PH	FREQ	REMARKS
WH-1	WATER HEATER	AO SMITH	DEN-40	STORAGE	4.5 kW	66 °F	130 °F	21.6 A	30.0 A	208 V	3	60 Hz	PROVIDE ASSE 1017 COMPLIANT MIXING VALVE; POWERS SERIES LFSH OR EQUAL.



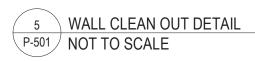
WC-1 WATER CLOSET - FLOOR - TANK TYPE

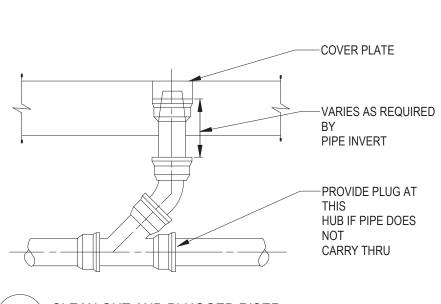
AMERICAN

STANDARD

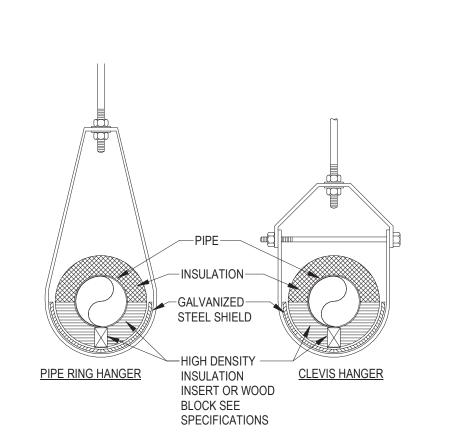
CADET

WHITE VITREOUS

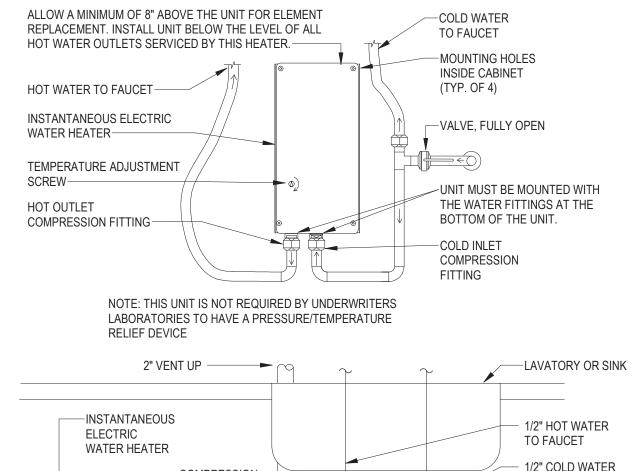


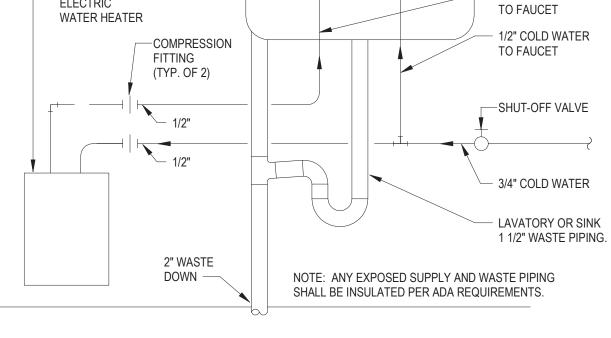


6	CLEAN OUT AND PLUGGED RISER
P-501	NOT TO SCALE

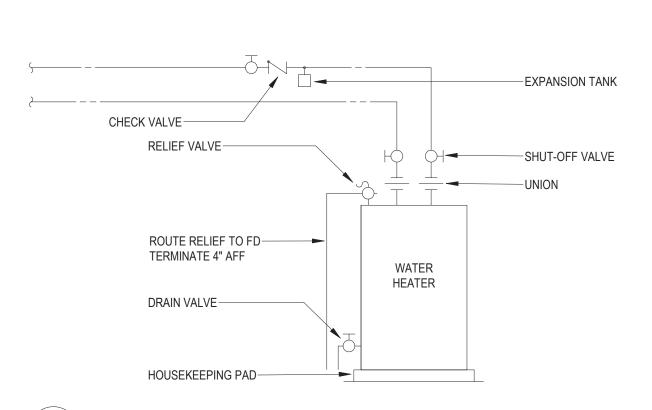


7	INSULATED PIPE AT HANGER DETA
P-501	NOT TO SCALE

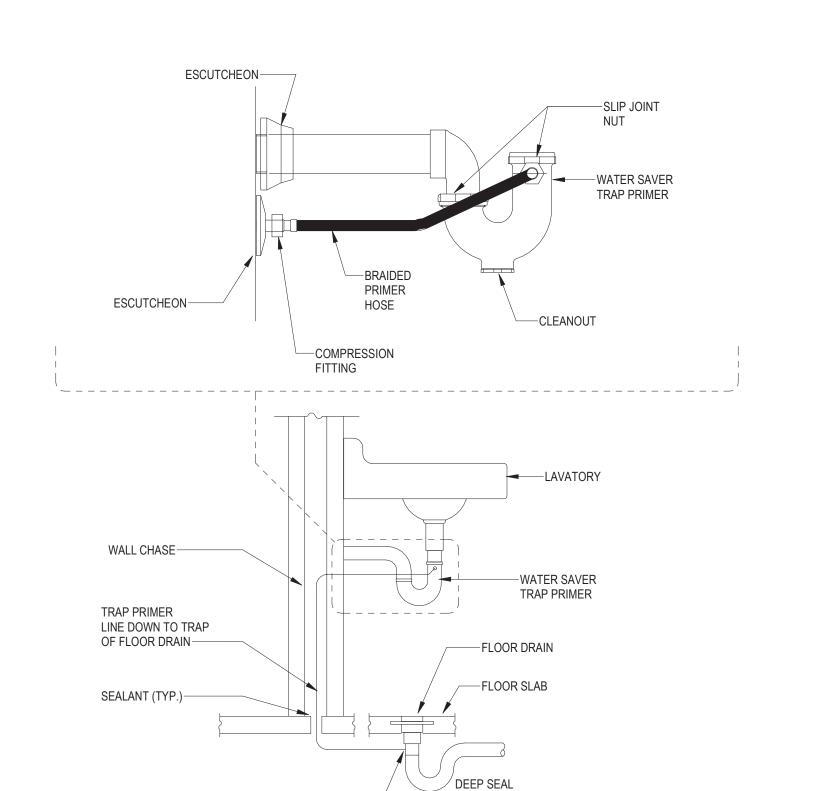




3 INSTANTANEOUS ELECTRIC WATER HEATER
P-501 NOT TO SCALE

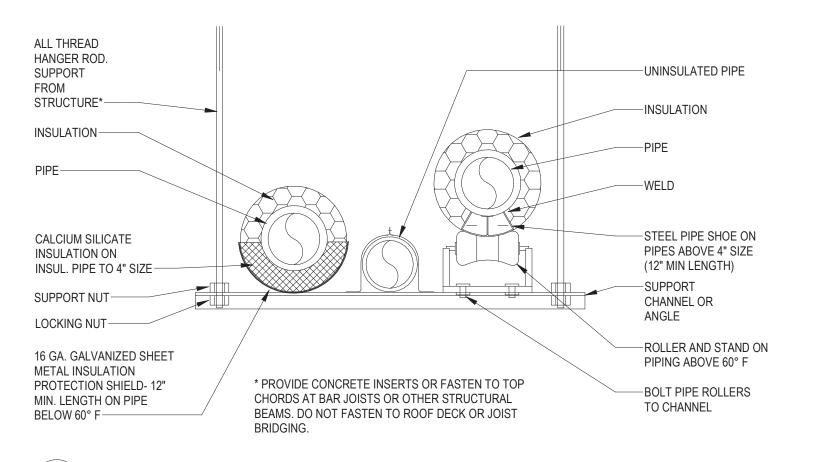


4	WATER HEATER PIPING DETAIL - SINGLE
P-501	NOT TO SCALE



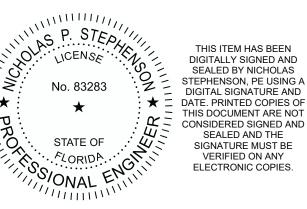
1 VALVE-LESS TRAP PRIMER DETAIL - TOILET ROOMS P-501 NOT TO SCALE

CONNECTION TO TRAP-



2 TRAPEZE PIPE HANGER DETAIL P-501 NOT TO SCALE

THE GROUP







uilding

 \Box

Bank

Auburndale

of

City

SCHEDULES

AND

DETAILS

PLUMBING

ISSUED FOR DD SET 90% REVIEW DATE 04.25.23

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8 SUSPENDED ELECTRIC WATER HEATER DETAIL P-501 NOT TO SCALE

WATER HAMMER

ARRESTOR SIZE

1-11

12-32

33-60

61-113

114-154

155-330

MODEL CONNECTION DIA FIXTURE UNITS

1/2

SIZING BASED ON WATTS SERIES LF15M2

LF15M2-A

LF15M2-B

LF15M2-C

LF15M2-D

LF15M2-E

LF15M2-F

CROSS REFERENCE PDI

D

WATER HAMMER ARRESTOR.

INSTALL PER

MANUFACTURERS RECOMMENDATIONS.

WATER SUPPLY -

WATER SUPPLY TO PLUMBING FIXTURES —

WATER HAMMER ARRESTOR.

INSTALL PER

MANUFACTURERS

WATER SUPPLY -

WATER SUPPLY TO PLUMBING FIXTURE

RECOMMENDATIONS.

REVISION NUMBER - SHOWN ON PLANS

POINT WHERE NEW CONNECTS TO EXISTING

NUMBER OF DETAIL ON SHEET --- NUMBER OF SHEET WHERE DETAIL APPEARS

KEYNOTE

CONTINUATION SYMBOL

ARRREVIATIONS

ROOM NAME AND NUMBER

	ABBREV	/IATIONS	
Ø	ROUND	LVR	LOUVER
ABV	ABOVE	MAX	MAXIMUM
AD	AREA DRAIN	MECH	MECHANICAL
ADD	ADDENDUM	MFR	MANUFACTURER
AFF	ABOVE FINISHED FLOOR	MIN	MINIMUM
ALT	ALTERNATE	MISC	MISCELLANEOUS
AP	ACCESS PANEL	MTR	MOTOR
ARCH		NC	NORMALLY CLOSED
BFF	BELOW FINISHED FLOOR	NIC	NOT IN CONTRACT
BLW	BELOW	NO	NUMBER
CAP	CAPACITY	NO	NORMALLY OPEN
CB	CATCH BASIN	NTS	NOT TO SCALE
CLG	CEILING	PD	PRESSURE DROP
CO	CLEAN OUT	PIV	POST INDICATOR VALVE
CW	COLD WATER		PRESSURE
D	DEGREE	PRV	PRESSURE REDUCING VALVE
DIA	DIAMETER	PSI	POUNDS PER SQUARE INCH
DN	DOWN	PSIG	POUNDS PER SQUARE INCH GAUGE
EA	EACH	PWR	POWER
ELEC	ELECTRICAL	REC	RECESSED
EQUIP		RED	REDUCER
E/A F	EXHAUST AIR	RM RPM	ROOM REVOLUTIONS PER MINUTE
FD FD	DEGREES FAHRENHEIT FLOOR DRAIN	SF	SQUARE FOOT
FDC	FIRE DEPARTMENT CONNECTION	SAN	SANITARY
FL	FLOOR	SF	SQUARE FOOT
FPM	FEET PER MINUTE	SM	SURFACE MOUNT
FT	FOOT/FEET	SP	STANDPIPE
GAL	GALLON	T	THERMOSTAT
GC	GENERAL CONTRACTOR	TD	TEMPERATURE DROP
GPM	GALLONS PER MINUTE	TEMP	TEMPERATURE
HP	HORSE POWER	TYP	TYPICAL
HTR	HEATER	UG	UNDERGROUND
ID	INDIRECT	V	VENT
IN	INCH	VENT	VENTILATION
INV	INVERT	W	WASTE
LB	POUND	WH	WALL HYDRANT

EQUIPMENT ABBREVIATIONS

GENERAL NOTES

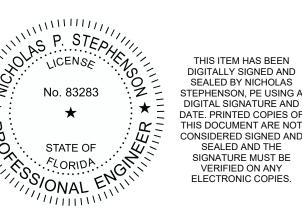
- THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATIVE OF WORK TO BE PROVIDED (FURNISHED AND INSTALLED) UNDER THIS CONTRACT. DRAWINGS SHOULD NOT BE SCALED.
- THE CONTRACTOR IS RESPONSIBLE TO EXAMINE THE EXISTING CONDITIONS UNDER WHICH THEY SHALL OPERATE AND VERIFY THE EXTENT OF WORK REQUIRED TO COMPLETE THE WORK UNDER THIS CONTRACT.
- PRIOR TO ORDERING AND FABRICATING ANY EQUIPMENT, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXAMINE THE PHYSICAL CONDITIONS AT THE PROJECT SITE AND VERIFY SPACE AND SUFFICIENT CLEARANCES ARE AVAILABLE FOR INSTALLING EQUIPMENT, DUCTWORK, PIPING, AND APPURTENANCES, AND TO DETERMINE ANY NECESSARY MODIFICATIONS.
- PERFORM ALL WORK IN COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES, REGULATIONS, AND STANDARDS ADOPTED BY THE AUTHORITY HAVING JURISDICTION. IF CONFLICTS EXIST BETWEEN THESE ENGINEERING DOCUMENTS AND CODES, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN.
- ALL CONSTRUCTION WORK SHALL ALSO MEET THE FOLLOWING CODE REQUIREMENTS:
- FLORIDA BUILDING CODE (FBC) 2020
- FLORIDA EXISTING BUILDING CODE 2020
- FBC MECHANICAL 2020 FBC PLUMBING 2020
- FBC ENERGY CONSERVATION 2020
- FLORIDA FIRE PREVENTION CODE 2020 NFPA 1-2018, THE UNIFORM FIRE CODE
- NFPA 101-2018, THE LIFE SAFETY CODE NFPA 51B-2014, STANDARD FOR FIRE PREVENTION DURING WELDING, CUTTING AND OTHER HOT WORK
- NFPA 13-2016, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS
- NFPA 70-2017, NATIONAL ELECTRICAL CODE
- NFPA 90A-2018, STANDARD FOR THE INSTALLATION OF AIR CONDITIONING AND VENTING SYSTEMS. NFPA 99-2018, STANDARD FOR HEALTH CARE FACILITIES
- NFPA 241-2013, STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION AND DEMOLITION OPERATIONS
- 6. CONTRACTOR SHALL COORDINATE AND SEQUENCE DEMOLITION. CLEANING, AND CONSTRUCTION WORK.
- CONTRACTOR SHALL NOTE ANY SPECIAL REQUIREMENTS FOR INSTALLATION OF WORK UNDER THIS CONTRACT. DISMANTLE AND REASSEMBLE EQUIPMENT AS NECESSARY FOR ENTRY INTO THE BUILDING AND THE LOCATION OF
- . THE CONTRACTOR SHALL MAINTAIN A COMPLETE PROJECT SCHEDULE AND SHALL UPDATE THIS SCHEDULE WEEKLY. ANY CHANGES SHALL BE NOTED AND AN UPDATED SCHEDULE SHALL BE PROVIDED TO THE OWNER.
- 9. ALL PERMITS, FEES, TAXES, ETC SHALL BE PAID BY CONTRACTOR AS PART OF THE TOTAL PROJECT COST.
- 10. MAINTAIN THE INTEGRITY OF ALL FIRE AND SMOKE RATED WALLS, PARTITIONS, CEILINGS, AND FLOORS. SEAL ALL PENETRATIONS THROUGH RATED ASSEMBLIES WITH FIRESTOP MATERIAL IN ACCORDANCE WITH U.L. REQUIREMENTS TO MAINTAIN THE ASSEMBLY RATING.
- 1. CONTRACTOR SHALL FURNISH U.L. APPROVED DRAWINGS FOR EACH TYPE OF FIRE AND SMOKE RATED ASSEMBLY PENETRATION BY DUCTS, PIPES, OR CONDUITS, AND SHALL DISPLAY THESE DRAWINGS ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION.
- 12. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND EQUIPMENT SUBMITTALS FOR ALL PRODUCTS USED ON
- 13. THE ENGINEER'S APPROVAL OF SUBMITTAL DATA SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR DEVIATIONS FROM THE REQUIREMENTS OF CONTRACT DOCUMENTS UNLESS THE CONTRACTOR HAS RECEIVED WRITTEN APPROVAL FROM THE ENGINEER TO THE SPECIFIC DEVIATION. THE ENGINEER'S APPROVAL OF SUBMITTAL DATA SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN HIS OR HER SUBMITTAL DATA.
- 4. THE CONTRACTOR IS REQUIRED TO SUBMIT THREE COMPLETE O&M MANUALS IN THREE RING BINDERS AT SUBSTANTIAL COMPLETION. MANUALS SHALL INCLUDE INSTALLATION AND MAINTENANCE DATA ON ALL NEW EQUIPMENT AND MATERIALS, CERTIFIED TECHNICAL PRODUCT DATA, EQUIPMENT SHOP DRAWINGS, SPARE PARTS DATA, ETC. PROVIDE AN INDEX AND ASSOCIATED DIVIDERS.
- 15. CLOSE OUT DOCUMENTS: THE CONTRACTOR IS TO MAINTAIN ONE SET OF CONSTRUCTION DRAWINGS ON SITE AND KEEP CURRENT WITH MARK UP AS-BUILT CONDITIONS DURING CONSTRUCTION OF THE PROJECT. THIS SET IS TO INCLUDE ALL CONTRACT CHANGES, MODIFICATIONS AND CLARIFICATIONS. THIS SET ALONG WITH ALL SHOP DRAWINGS SHALL BE TURNED OVER TO THE ARCHITECT/ENGINEER AFTER CONSTRUCTION COMPLETION.
- 16. IT IS THE RESPONSIBILITY OF ALL BIDDERS TO THOROUGHLY REVIEW AND UNDERSTAND ALL CONSTRUCTION DOCUMENTS. THIS INCLUDES BUT IS NOT LIMITED TO ALL DRAWINGS. SPECIFICATION SECTIONS. ETC. THE DRAWINGS ARE SCHEMATIC IN NATURE. THEREFORE BEFORE STARTING ANY WORK, THE CONTRACTOR SHALL REVIEW ALL OTHER CONSTRUCTION DOCUMENTS, VERIFY FIELD CONDITIONS AND SHALL MAKE ANY REQUIRED MINOR ADJUSTMENTS WITHOUT EXTRA COST TO THE OWNER. ANY MAJOR DISCREPANCIES FOUND SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER. THE BASE BID SHALL REFLECT THE TOTAL COST OF NEW EQUIPMENT INSTALLATION. THIS INCLUDES LABOR, EQUIPMENT AND MATERIALS. NO CHANGE ORDERS SHALL BE ISSUED WITHOUT WRITTEN CONSENT AND APPROVAL FROM ENGINEER AND ARCHITECT.

DELEGATED DESIGN REQUIREMENTS

- THESE FIRE PROTECTION SYSTEM ENGINEERING DOCUMENTS, AS DEFINED PER F.A.C. 61G15-32.002(5), REPRESENT THE OVERALL SCOPE, DESIGN INTENT, AND COVERAGE AREA FOR THE FIRE PROTECTION SYSTEM WITHIN THE PROJECT SCOPE. DELEGATED ENGINEER IS RESPONSIBLE FOR DESIGNING A FIRE PROTECTION SYSTEM FOR THE ENTIRE BUILDING, PERMITTED AND APPROVED PER NFPA AND BY THE AUTHORITY HAVING JURISDICTION.
- DELEGATED ENGINEER SHALL PROVIDE FIRE PROTECTION SYSTEM LAYOUT DOCUMENTS TO THE ENGINEER OF RECORD AND AUTHORITY HAVING JURISDICTION, INCLUDING THE FOLLOWING AS APPLICABLE, BUT NOT LIMITED TO: a. SPRINKLER SYSTEM DRAWINGS, INCLUDING SPRINKLER SYSTEM
- LAYOUT, NODE IDENTIFICATION AND NODE SPOT ELEVATIONS. b. HYDRAULIC CALCULATIONS AND PIPE SIZES. SIZE PIPING TO PROVIDE
- AN EXCESS RESIDUAL PRESSURE OF 10 PSI AT THE HYDRAULICALLY MOST DEMANDING POINT AT SYSTEM DESIGN FLOW. c. SPRINKLER SYSTEM DESIGN, CALCULATIONS, DETAILED WORKSHEETS, WATER SUPPLY CURVE, AND SPRINKLER SYSTEM
- DEMAND CURVE. d. SPRINKLER HEAD PRODUCT DATA SHEETS WITH SPECIFIC SYSTEM COMPONENTS IDENTIFIED.
- e. ADDITIONAL SPRINKLER SYSTEM SPECIFICATIONS AS REQUIRED FOR COMPLIANCE WITH NFPA 13, CHAPTER 8 PLANS AND CALCULATIONS, PRIOR TO AUTOMATIC SPRINKLER SYSTEMS INSTALLATION. f. ALL NECESSARY COMPONENTS, SYSTEMS MATERIALS, ASSEMBLIES,
- EQUIPMENT, AND SUPPORT SYSTEMS REQUIRED. . FIRE SPRINKLER CONTRACTOR SHALL COORDINATE THE LOCATION OF RISERS, CROSS MAINS, BRANCH LINES, AND SPRINKLER HEADS WITH ALL OTHER TRADE SYSTEMS TO AVOID CONFLICTS AND MAINTAIN
- D. COORDINATE SPRINKLER HEAD TYPES AND LOCATIONS WITH ARCHITECTURAL FINISHES AND OTHER CEILING MOUNTED DEVICES.

ARCHITECTURAL ELEMENTS OF THE BUILDING.

THE





uilding \mathbf{m} ank \Box Auburndale O

TECTION

PRO.

90% REVIEW 05.15.23

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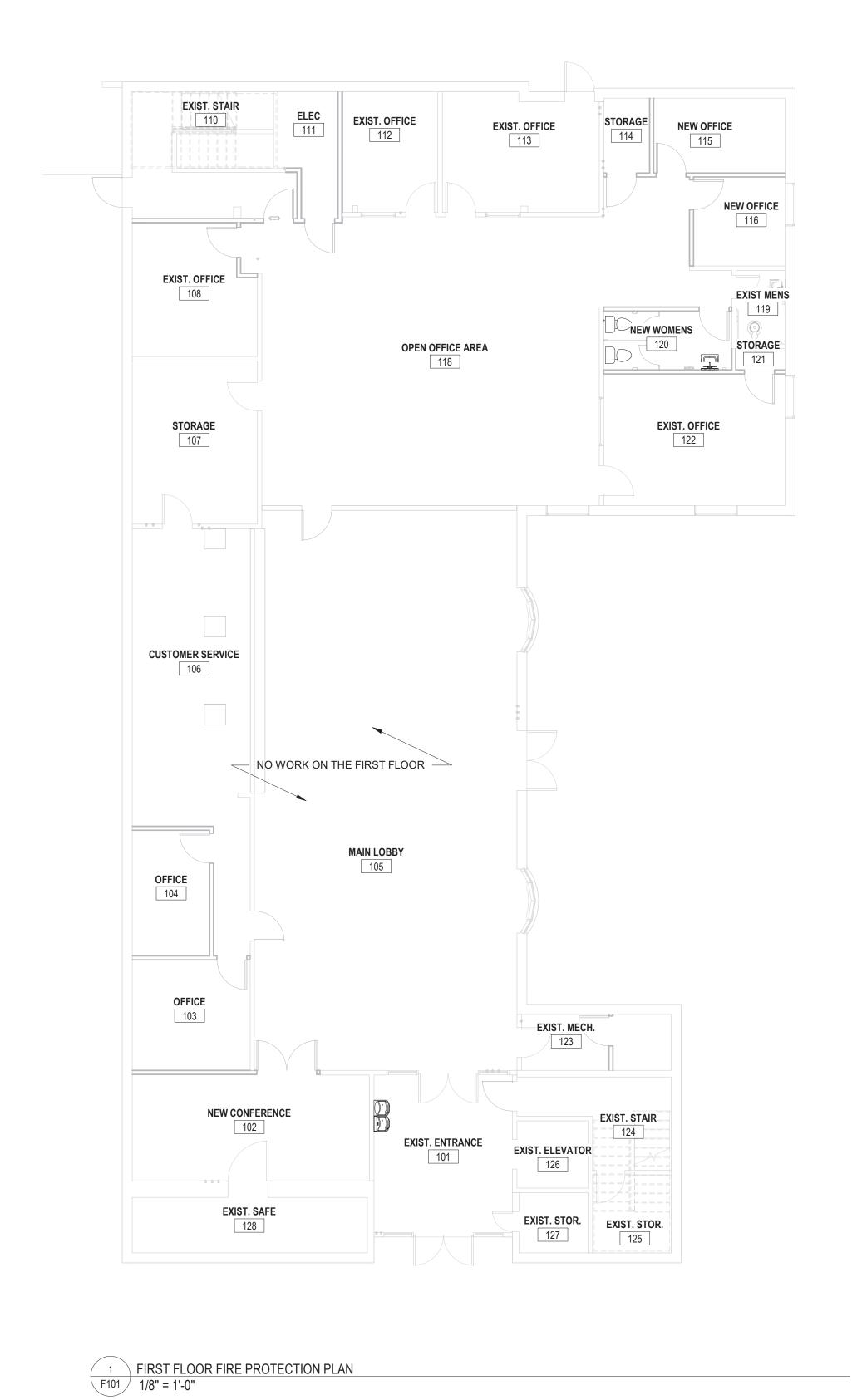
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FIRE PROTECTION SHEET INDEX

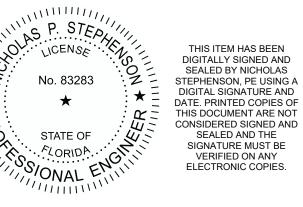
F000 FIRE PROTECTION TITLE SHEET F101 FIRE PROTECTION PLANS

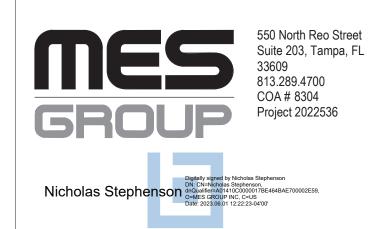
2 SECOND FLOOR FIRE PROTECTION PLAN F101 1/8" = 1'-0"



GROUP

THE



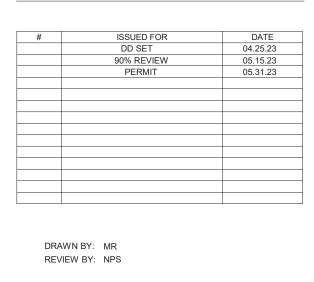


Building Bank Auburndale

of

City

FIRE PROTECTION PLANS



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	ELECTRICAL ABBRE	VIATIO	ONS LIST
1P	1 POLE (2P, 3P, 4P, ETC.)	MCB	MAIN CIRCUIT BREAKER
A AC	AMPERÈ	MCC	MOTOR CONTROL CENTER
ACLG	ABOVE COUNTER ABOVE CEILING	MDC MDP	MAIN DISTRIBUTION CENTER MAIN DISTRIBUTION PANEL
ADO	AUTOMATIC DOOR OPENER	MFR	MANUFACTURER
AF AFF	AMP FRAME ABOVE FINISHED FLOOR	MFS MH	MAIN FUSED DISCONNECT SW MANHOLE
AFG	ABOVE FINISHED GRADE	MIC	MICROPHONE
AFI	ARC FAULT CIRCUIT INTERRUPTER	MIN MISC	MINIMUM MISCELLANEOUS
λHU	AIR HANDLING UNIT	MLO	MAIN LUGS ONLY
L_	ALUMINUM	MMS	MANUAL MOTOR STARTER
ALT AMP	ALTERNATE AMPERE	MOA MSP	MULTIOUTLET ASSEMBLY MOTOR STARTER PANELBOARD
		MSBD	
	ANNUNCIATOR APPROXIMATELY	MT	MOUNT EMPTY CONDUIT
	T AQUASTAT	MT.C MTS	
ARCH	ARCHITECT, ARCHITECTURAL	MTR	MOTOR, MOTORIZED
AS AT	AMP SWITCH AMP TRIP	N.C. NEC	NORMALLY CLOSED NATIONAL ELECTRICAL CODE
ATS	AUTOMATIC TRANSFER SWITCH	NEMA	NATIONAL ELECTRICAL
AUTO AUX	AUTOMATIC AUXILIARY	NFDS	MANUFACTURER'S ASSOCIATION NON-FUSED SAFETY DISCONNEC
4UX 4V	AUDIO VISUAL	INFDS	SWITCH
WG	AMERICAN WIRE GAUGE	NIC	NOT IN CONTRACT
BATT BD	BATTERY BOARD	NL N.O.	NIGHT LIGHT NORMALLY OPEN
BLDG	BUILDING	NPF	NORMAL POWER FACTOR
BMS	BUILDING MANAGEMENT SYSTEM	NTS	NOT TO SCALE
C CAB	CONDUIT CABINET	OH OL	OVERHEAD OVERLOADS
CAT	CATALOG	PA	PUBLIC ADDRESS
CATV CB	CABLE TELEVISION CIRCUIT BREAKER	PB PF	PULL BOX OR PUSHBUTTON PNEUMATIC ELECTRIC
CCTV	CLOSED CIRCUIT TELEVISION	PED	PEDESTAL PEDESTAL
CKT	CIRCUIT	PF	POWER FACTOR
CLG COMB	CEILING COMBINATION	PH PIV	PHASE POST INDICATING VALVE
CMPR	COMPRESSOR	PNL	PANEL
	CONNECTION	PP	POWER POLE
CONST	CONSTRUCTION CONTINUATION OR CONTINUOUS	PR PRI	* * ***
CONTR			PROJECTION
CONV	CONVECTOR	PRV pt	POWER ROOF VENTILATOR POTENTIAL TRANSFORMER
CRT	CONTRACTOR CONVECTOR CIRCULATING PUMP CATHODE-RAY TUBE CURRENT TRANSFORMER CENTER	PVC	POLYVINYL CHLORIDE (CONDUIT)
CT	CURRENT TRANSFORMER	PWR	POWER
CTR CU	CENTER COPPER	QUAN RCPT	
)CP	DOMESTIC WATER CIRCULATING PUMP		
DEPT	DEPARTMENT	RM	ROOM
DET DIA	DETAIL DIAMETER	RSC RTU	RIGID STEEL CONDUIT ROOF TOP UNIT
DISC	DISCONNECT	SC	SURFACE CONDUIT
DIST	DISTRIBUTION	SEC	SECONDARY
ON OPR	DOWN DAMPER	SHT	SHEET SIMII AR
DS	SAFETY DISCONNECT SWITCH	S/N	SIMILAR SOLID NEUTRAL
DT			SPECIFICATION
DWG EC	DRAWING ELECTRICAL CONTRACTOR	SPKR SP	SPEAKER SPARE
ELEC	ELECTRIC, ELECTRICAL	SR	SURFACE RACEWAY
ELEV ELU	ELEVATOR EMERGENCY LIGHTING UNIT	SS	STAINLESS STEEL SELECTOR SWITCH
ELU EM	EMERGENCY LIGHTING UNIT	SSVV S/S	STOP/START PUSHBUTTONS
EMS	ENERGY MANAGEMENT SYSTEM	STA	STATION
EMT EP	ELECTRICAL METALLIC TUBING ELECTRIC PNEUMATIC	STD SURF	STANDARD
	EQUIPMENT	SW	
EWC	ELECTRIC WATER COOLER	SWBD	SWITCHBOARD
EXIST EXH	EXISTING	SYM	SYMMETRICAL SYSTEM
	EXHAUST EXPLOSION PROOF		TELEPHONE
FΑ	FIRE ALARM	TEL/D	ATA TELEPHONE/DATA
FABP	FIRE ALARM BOOSTER POWER SUPPLY PANEL	TERM TL	TERMINAL TWIST LOCK
FACP	FIRE ALARM CONTROL PANEL	TR	TAMPER RESISTANT
-CU	FAN COIL UNIT	T-STA	T THERMOSTAT
IXT	FIXTURE FLOOR	TTC TV	
LUOR		TVTC	
-UDC	FUSE	TYP	TYPICAL
FUDS GA	FUSED SAFETY DISCONNECT SWITCH GAUGE	UC UE	UNDER COUNTER UNDERGROUND ELECTRICAL
GAL	GALLON	UG	UNDERGROUND
GALV GC	GALVANIZED GENERAL CONTRACTOR	UH UT	UNIT HEATER UNDERGROUND TELEPHONE
GEN	GENERATOR GENERATOR	UTIL	UTILITY
GFI	GROUND FAULT CIRCUIT INTERRUPTER	UV	ULTRAVIOLET
GFP GND	GROUND FAULT PROTECTOR GROUND	V VA	VOLT VOLT-AMPERES
GRS	GALVANIZED RIGID STEEL (CONDUIT)	VDT	VIDEO DISPLAY TERMINAL
GYP BD	GYPSUM BOARD	VERT	VERTICAL
HOA HORIZ	HANDS-OFF-AUTOMATIC SWITCH HORIZONTAL	VFD VOL	VARIABLE FREQUENCY DRIVE VOLUME
HP	HORSEPOWER	W	WATT
HPF	HIGH POWER FACTOR	W/	WITH
HT HTG	HEIGHT HEATING		WIRE GUARD WATER HEATER
HTR	HEATER	W/O	WITHOUT
4VVC	HIGH VOLTAGE	WP	
JVAC	HEATING, VENTILATING AND AIR CONDITIONING	XFMR XFR	TRANSFORMER TRANSFER
С	INTERRUPTING CAPACITY		· - · · · ·
G MC	ISOLATED GROUND		
MC NCAND	INTERMEDIATE METAL CONDUIT INCANDESCENT	∠	ANGLE
R	INFRARED		AT
/W	INTERLOCK WITH		DELTA
J-BOX <v< td=""><td>JUNCTION BOX KILOVOLT</td><td></td><td>FEET</td></v<>	JUNCTION BOX KILOVOLT		FEET
<ν <va< td=""><td>KILOVOLT KILOVOLT-AMPERE</td><td></td><td>INCHES NUMBER</td></va<>	KILOVOLT KILOVOLT-AMPERE		INCHES NUMBER
(VAR	KILOVOLT-AMPERE REACTIVE	Ø	PHASE
⟨W ⟨WH	KILOWATT KILOWATT HOUR		CENTER LINE
	LOCATE OR LOCATION	Р	PLATE
.T	LIGHT		
TNG	LIGHTING LIGHTNING		
_TNG _V	LIGHTNING LOW VOLTAGE		
MAX	MAXIMUM		
MAG.S	MAGNETIC STARTER		

MECHANICAL CONTRACTOR

(MOUNTING HEIGH TO CENTER LINE OF BOX, UNLESS NOTED OTHERWISE) <u>SYMBOL</u> <u>SYMBOL</u> <u>DESCRIPTION</u> **DESCRIPTION** 2X4 FIXTURE - RECESSED, SURFACE, OR SIMPLEX RECEPTACLE (18" AFF, UON) PENDANT MOUNTED - TYPE AS SPECIFIED DUPLEX RECEPTACLE (18" AFF, UON) 2X4 CRITICAL BRANCH FIXTURE - RECESSED, SURFACE, OR PENDANT MOUNTED - TYPE AS DUPLEX RECEPTACE 6" ABOVE COUNTER BACKSPLASH OR 48" AFF 2X4 LIFE SAFETY BRANCH FIXTURE -RECESSED, SURFACE, OR PENDANT DOUBLE DUPLEX RECEPTACLE (18" AFF. MOUNTED - TYPE AS SPECIFIED 2X2 FIXTURE - RECESSED, SURFACE, OR DOUBLE DUPLEX RECEPTACE 6" ABOVE PENDANT MOUNTED - TYPE AS SPECIFIED COUNTER BACKSPLASH OR 48" AFF 2X2 CRITICAL BRANCH FIXTURE - RECESSED, SURFACE, OR PENDANT MOUNTED - TYPE AS TOP SWITCHED OUTLET, AS NOTED ON PLANS 2X2 LIFE SAFETY BRANCH FIXTURE -TOP AND BOTTOM SWITCHED OUTLET, AS RECESSED, SURFACE, OR PENDANT NOTED ON PLANS MOUNTED - TYPE AS SPECIFIED USB RECEPTACLE COMBINATION 1X4 FIXTURE - RECESSED, SURFACE, OR PENDANT MOUNTED - TYPE AS SPECIFIED 1X4 CRITICAL BRANCH FIXTURE - RECESSED, DUPLEX RECEPACLE - FLOOR MOUNTED SURFACE, OR PENDANT MOUNTED - TYPE AS DOUBLE DUPLEX RECEPACLE - FLOOR 1X4 LIFE SAFETY BRANCH FIXTURE -MOUNTED RECESSED, SURFACE, OR PENDANT MOUNTED - TYPE AS SPECIFIED DUPLEX RECEPACLE - CEILING MOUNTED 4' LINEAR INDUSTRIAL STRIP FIXTURE - TYPE DOUBLE DUPLEX RECEPACLE - CEILING AS SPECIFIED MOUNTED 4' CRITICAL BRANCH LINEAR INDUSTRIAL RANGE RECEPTACLE, 4" AFF TO CENTER. STRIP FIXTURE - TYPE AS SPECIFIED 120/240V, 1 PHASE, 3 WIRE PLUS GROUND, 50 AMPS NEMA 14-50. 4' LIFE SAFETY BRANCH LINEAR INDUSTRIAL DRYER RECEPTACLE, 48" AFF TO CENTER. STRIP FIXTURE - TYPE AS SPECIFIED 120/240V, 1 PHASE, 3 WIRE PLUS GROUND, 30 AMPS NEMA 14-30. RECESSED CAN LIGHT - TYPE AS SPECIFIED RETRACTABLE CORD REEL WITH DUPLEX NEMA 5-20 RECEPTACLE. PROVIDE WITH 30' OF RETRACTABLE S.O. CORD. RECESSED CAN LIGHT - TYPE AS SPECIFIED RETRACTABLE CORD REEL WITH DOUBLE DUPLEX NEMA 5-20 RECEPTACLES. PROVIDE WITH 30' OF RETRACTABLE S.O. CORD. LIGHTING FIXTURE - PENDANT MOUNTED -TYPE AS SPECIFIED SPECIAL PURPOSE RECEPTACLE, NEMA TYPE AS NOTED ON PLANS (18" AFF, UON) CRITICAL BRANCH LIGHTING FIXTURE -PENDANT MOUNTED - TYPE AS SPECIFIED DISCONNECT SWITCH - MOTOR/STARTER COMBINATION NEMA SIZE TO MATCH HP WALL SCONCE LIGHTING FIXTURE - SURFACE SHOWN ON PLANS AT THE SPECIFIED MOUNTED - TYPE AS SPECIFIED VOLTAGE, HEAVY DUTY DISCONNECT SWITCH - NON-FUSED -CRITICAL BRANCH WALL SCONCE LIGHTING ☐ 30/2/3R FRAME/FUSE/POLES/NEMA AS NOTED ON FIXTURE - SURFACE MOUNTED - TYPE AS PLANS, ALL DISCONNECTS SHALL BE SPECIFIED HEAVY DUTY AND NEMA TYPE 1 U.O.N. EXTERIOR POLE MOUNTED FIXTURE - TYPE DISCONNECT SWITCH - FUSED -AS SPECIFIED 30/15/2/3R FRAME/FUSE/POLES/NEMA AS NOTED ON PLANS, ALL DISCONNECTS SHALL BE EXTERIOR POST TOP MOUNTED FIXTURE -HEAVY DUTY AND NEMA TYPE 1 U.O.N. TYPE AS SPECIFIED RELAY SELF CONTAINED EMERGENCY LIGHTING PUSH BUTTON UNIT - TYPE AS SPECIFIED NURSE CALL ZONE LIGHT (CEILING) COMBINATION EXIT SIGN & SELF CONTAINED MOTOR RATED SWITCH WITH THERMAL NURSE CALL TERMINAL CABINET EMERGENCY LIGHTING UNIT - TYPE AS OVERLOADS FOR FRACTIONAL SPECIFIED HORSEPOWER MOTORS EXIT LIGHT, CEILING-MOUNTED, SHADING POWER POLE (OPEN OFFICE STYLE) AND ARROWS INDICATE FACES AND MOTOR CONNECTION - HORSE POWER AS DIRECTION

TRANSFORMER

EXIT LIGHT, WALL-MOUNTED, SHADING

AND ARROWS INDICATE FACES AND

LOCAL WALL DIMMER SWITCH (48" AFF)

WALL MOUNTED OCCUPANCY SENSOR

SWITCH; DUAL TECHNOLOGY (PASSIVE

CEILING MOUNTED OCCUPANCY/VACANCY SENSOR; DUAL TECHNOLOGY (PASSIVE

ROOM CONTROLLER (REFER TO PLANS)

(UL924 GENERATOR TRANSFER DEVICE)

TIME CLOCK (REFER TO PLANS)

\$ \$LV \$3 \$4 SINGLE-POLE, LOW VOLTAGE, 3-WAY AND 4-WAY SWITCHES (48" AFF)

FAN SWITCH (48" AFF)

INFRARED/ULTRASONIC)

INFRARED/ULTRASONIC)

DAYLIGHT SENSOR

LIGHTING RELAY

ELECTRICAL SYMBOL LEGEND SYMBOL DESCRIPTION MANUAL PULL STATION (46" AFF) BELL/STROBE LIGHT COMBINATION (80" AFF) DATA OUTLET (18" AFF U.O.N.) STROBE LIGHT (80" AFF) ABOVE COUNTER DATA OUTLET (6" ABOVE COUNTER BACKSPASH OR 48" AFF) HORN (80" AFF) HORN/STROBE LIGHT COMBINATION (80" AFF) DATA OUTLET - CEILING MOUNTED MINI HORN (80" AFF) DATA OUTLET - RECESSED FLOOR BOX OR POKE THRU $\square \mathbb{B}$ PROGRAM BELL (80 AFF) CHIME/FLASH COMBINATION (80" AFF) CABLE TV OUTLET (18" AFF U.O.N.); PROVIDE 1 F-TYPE CONNECTOR SPEAKER (80" AFF) COMMUNICATION CABLE TRAY MOUNTED ABOVE SUSPENDED CEILING - SIZE AS SPEAKER/STROBE COMBINATION (80" AFF) NOTED ON PLANS (SA) STANDALONE SMOKE ALARM - WALL MOUNTED; CEILING MOUNTED 8" CEILING MOUNTED PAGING SPEAKER; PROVIDED WITH BAFFLE, GRILLE AND STANDALONE COMBO SMOKE/CARBON MONOXIDE ALARM - WALL MOUNTED; CEILING MOUNTED MATCHING TRANSFORMER 8" WALL MOUNTED PAGING SPEAKER; (分) SMOKE DETECTOR TIED TO FACP - WALL MOUNTED; CEILING MOUNTED PROVIDED WITH BAFFLE, GRILLE AND MATCHING TRANSFORMER (全) (HD) HEAT DETECTOR TIED TO FACP - WALL MOUNTED; CEILING MOUNTED CARD READER. FLUSHED MOUNTED AT 42" COMBINATION SMOKE/HEAT DETECTOR TIED TO FACP - WALL MOUNTED; CEILING MOUNTED COMBO SMOKE/CARBON MONOXIDE DETECTOR TIED TO FACP - WALL DOOR CONTACT MOUNTED; CEILING MOUNTED ELECTRIC DOOR STRIKE DUCT DETECTOR KEY PAD TAMPER SWITCH MOTION DETECTOR FLOW SWITCH PUSH PLATE MAGNETIC DOOR HOLDER (72" AFF) CCTV CAMERA - FIXED FIRE ALARM CONTROL PANEL SURFACE OR RECESSED CCTV CAMERA - PAN, TILT, ZOOM FIRE ALARM RELAY MODULE NURSE STATION (46" AFF U.O.N.) CODE BLUE STATION (46" AFF U.O.N.) BED NURSE CALL (46" AFF U.O.N.) BRANCH CIRCUIT RUN CONCEALED TOILET NURSE CALL (46" AFF U.O.N.) BRANCH CIRCUIT RUN UNDER FLOOR SHOWER NURSE CALL (46" AFF U.O.N.) DOCTOR DICTATION (46" AFF U.O.N.) HOME RUN TO PANEL 2A SPACES 1, 3, & 5, 2A-1, 3, 5 REFER TO PANEL SCHEDULES DOCTOR PAGE (46" AFF U.O.N.) DUTY STATION (46" AFF U.O.N.) **ELECTRICAL SHEET INDEX** NURSE CALL MASTER E-000 ELECTRICAL COVERSHEET NURSE CALL DOME LIGHT (CEILING)

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FIRE ALARM SYSTEM NOTE

FIRE ALARM DEVICES ARE SHOWN FOR REFERENCE ONLY. FULLY FUNCTIONAL FIRE ALARM SYSTEM TO INCLUDE FIRE CONTROL PANELS. DIALERS, EXPANDER MODULES, ANNUNCIATION AND NOTIFICATION DEVICES, WIRING, PROGRAMMING, TESTING, WARRANTY AND COMMISSIONING SHALL BE INCLUDED IN THIS PROJECT BID. SIGNED AND SEALED DRAWING, DOCUMENTS, AND SEPARATE PERMITTING SHALL BE PROVIDED BY OTHERS.

CONDUIT AND WIRING

DESCRIPTION

ED-101 LEVEL 1 ELECTRICAL DEMOLITION PLAN

E-101 LEVEL 1 LIGHTING PLAN

E-102 LEVEL 2 LIGHTING PLAN

E-201 LEVEL 1 POWER PLAN

E-202 LEVEL 2 POWER PLAN

E-502 ELECTRICAL DETAILS

E-601 PANEL SCHEDULES E-602 ELECTRICAL SCHEDULES

E-301 LEVEL 1 SPECIAL SYSTEMS PLAN

E-302 LEVEL 2 SPECIAL SYSTEMS PLAN

E-501 RISER DIAGRAM AND SCHEDULES- ELECTRICAL

ED-102 LEVEL 2 ELECTRICAL DEMOLITION PLAN

FIRE ALARM SYMBOLS

PROJECT SUMMARY NOTES

- PROPOSED PROJECT INTENTS TO REPLACE ALL EXISTING PANELS AND MAIN GEAR IN ITS ENTIRETY.
- PART OF THE GEAR REPLACEMENT INTENTS TO MAINTAIN EXISTING BRANCH CIRCUITS AND BRANCH FEEDERS FOR THE TWO HVAC UNITS. THE GENERAL CONTRACTOR SHALL EXTEND ALL CIRCUITS THAT ARE INTENDED TO REMAIN TO REACH THE NEW PANEL LOCATIONS. CIRCUITS SHALL BE EXTENDED USING MATCHING CONDUCTOR AWG SIZE AND CONDUCTOR MATERIAL. THE GENERAL CONTRACTOR SHALL INCLUDE ALL CONDUIT, HARDWARE AND LABOR TO EXTEND CIRCUIT AS NEEDED.
- EXISTING FEEDERS FROM EXISTING THE EXISTING TRANSFORMER TO THE MAIN ELECTRICAL ROOM SHALL BE REMOVED. PROVIDE NEW SERVICE FEEDERS FROM THE EXISTING TRANSFORMER TO THE NEW AUTOMATIC TRANSFER SWITCH (ATS) THAT WILL BE LOCATED IN THE ELECTRICAL ROOM. REFER TO FEEDER SCHEDULE ON SHEET E-602 FOR ADDITIONAL DETAILS.
- PROPOSED PROJECT SHALL REPLACE ALL EXISTING INTERIOR LIGHTING FIXTURES WITH NEW ONES.
- 5. BUILDING EXTERTIOR CONDITIONS ARE EXISTING TO REMAIN. NO WORK IS SCHEDULE UNLESS OTHER WISE NOTED.

GENERATOR NOTE

GENERATOR DESIGN AND ALL OTHER EQUIPMENT ASSOCIATED WITH THE GENERATOR SHALL BE PROVIDED BY OTHERS UNDER A SEPARATE PERMIT AT A LATER TIME. THIS INCLUDES BUT NOT LIMITED TO: THE GENERATOR, GENERATOR PAD, GROUNDING OF GENERATOR, CONTROLS, EPO, ANNUNICATOR PANEL, (1) ATS, ETC.

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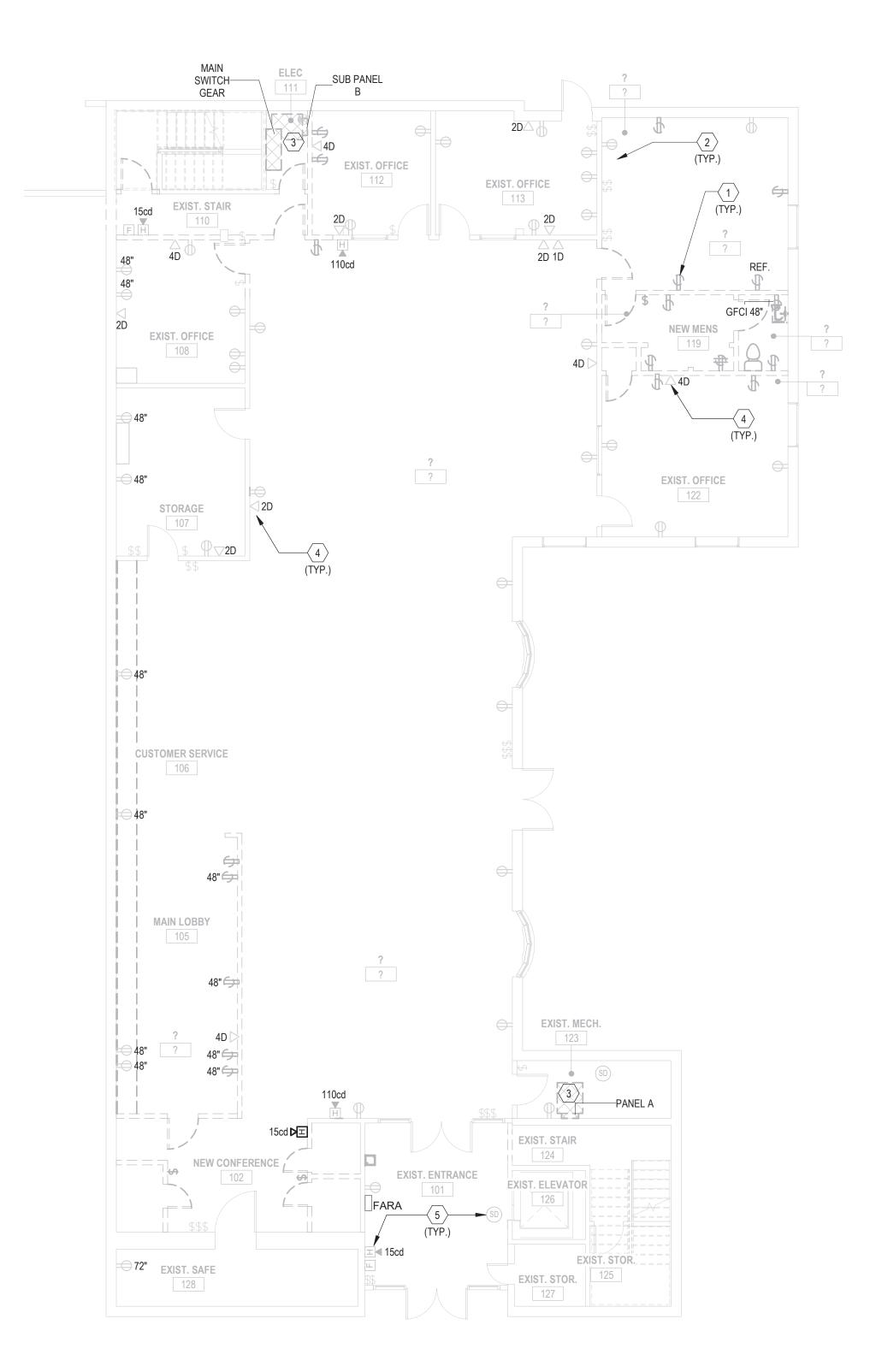
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1	Revision 1	09.05.23

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GENERAL DEMOLITION NOTES

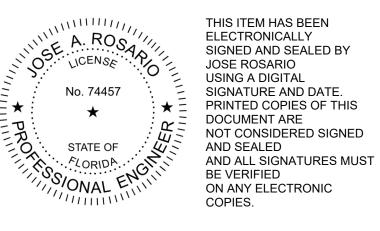
- C. CONTRACTOR SHALL RETAIN BREAKERS MADE SPARE BY DEMOLITION FOR CONNECTION OF NEW WORK UNLESS OTHERWISE NOTED.
- D. ALL CIRCUITING ASSOCIATED WITH EXISTING POWER DEVICES SHOWN TO BE REMOVED DURING DEMOLITION.
- E. ELECTRICAL CONTRACTOR SHALL DISCONNECT AND MAKE SAFE FOR REMOVAL OF ALL MECHANICAL, PLUMBING, FIRE PROTECTION AND ARCHITECTURAL EQUIPMENT, APPURENANCES, ETC. SCHEDULED FOR DEMOLITION. REFER TO OTHER DISCIPLINES
- PROVIDE JUNCTION BOXES, CONDUIT, WIRE, CABLE ETC. AS REQUIRED TO MAINTAIN CONTINUITY TO EXISTING TO REMAIN DEVICES, EQUIPMENT, ETC.
- DOCUMENTS. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND REPORT DISCREPANCIES TO ENGINEER PRIOR TO DISTURBING EXISTING INSTALLATION.
- AND NOT DISTURBED. EXTRA CARE SHALL BE TAKEN; PROTECT DURING DEMOLITION.
- REMOVED, TYPICAL. DEVICES BEING DEMOLISHED SHALL HAVE BOXES, DEVICES, CONDUIT FOR OWNER/ARCHITECT, UNLESS OTHERWISE REFUSED.
- ALL EXISTING POWER OUTLETS (SHOWN AS GREYED OUT) SHALL BE EXISTING TO REMAIN, TYPICAL. NEW WIRING AND CONDUIT SHALL BE ROUTED TO THESE EXISTING TO REMAIN
- SERVICE FEEDERS ROUTED FROM EXISTING TRANSFORMER TO THE MAIN SWITCHGEAR TAKEN WHILE WORKING WITH THE EXISTING CONDUITS.

- A. THE DESIGN INTENT IS TO REMOVE ALL OF THE EXISTING POWER/DATA/SPECIAL SYSTEM DEVICES WITHIN THE AREAS OF DEMO. PROPERLY DISPOSE OF ALL CONSTRUCTION DEBRIS. ALL DEVICES SHALL BE UPGRADED DURING RENOVATION.
- B. ALL WIRING, CONDUIT, JUNCTION BOXES, CABLING, ETC. SERVING DEMOLISHED DEVICES, EQUIPMENT, ETC. SHALL BE REMOVED TO POINT OF ORIGIN.
- SHALL REMAIN AND BE PREPARED FOR RE-CONNECTION AND EXTENSION AS NECESSARY
- DRAWINGS FOR ADDITIONAL INFORMATION.
- G. EXISTING CONDITIONS ARE BASED ON FIELD OBSERVATIONS AND 'AS-BUILT'
- H. SPEAKERS ARE EXISTING TO REMAIN. ENSURE SPEAKERS ARE IN WORKING CONDITIONS
- GENERAL CONTRACTOR TO PROVIDE WIRING. CONDUIT, LABELING, TESTING, FITTNGS HARDWARE AND SOFTWARE AS NEEDED TO RESTORE ANY DISTURBED SYSTEM INTENDED TO REMAIN FUNCTIONAL.

KEYNOTES

- 1 ALL EXISTING POWER OUTLETS (SHOWN IN DASHED LAYERS)IN DEMOED AREAS SHALL BE AND WIRING REMOVED BACK TO IT'S SOURCE. ALL DEMOLISHED ITEMS SHALL BE RETAINED
- EXISTING MAIN SWITCHGEAR AND ALL EXISTING SUBPANELS SHALL BE DEMOED. EXISTING SHALL ALSO BE REMOVED, COORDINATE WITH TECO. ALL SAFETY PRECAUTIONS SHALL BE
- ALL EXISTING DATA OUTLETS SHALL BE REMOVED, TYPICAL. DEVICES BEING DEMOLISHED SHALL HAVE BOXES, DEVICES, CONDUIT AND WIRING REMOVED BACK TO IT'S SOURCE. ALL DEMOLISHED ITEMS SHALL BE RETAINED FOR OWNER/ARCHITECT, UNLESS OTHERWISE
- ALL EXISTING FIRE ALARM DEVICES SHALL BE REMOVED, INCLUDING THE MAIN FIRE ALARM CONTROL PANEL, TYPICAL. DEVICES BEING DEMOLISHED SHALL HAVE BOXES, DEVICES, CONDUIT AND WIRING REMOVED BACK TO IT'S SOURCE. ALL DEMOLISHED ITEMS SHALL BE RETAINED FOR OWNER/ARCHITECT, UNLESS OTHERWISE REFUSED.

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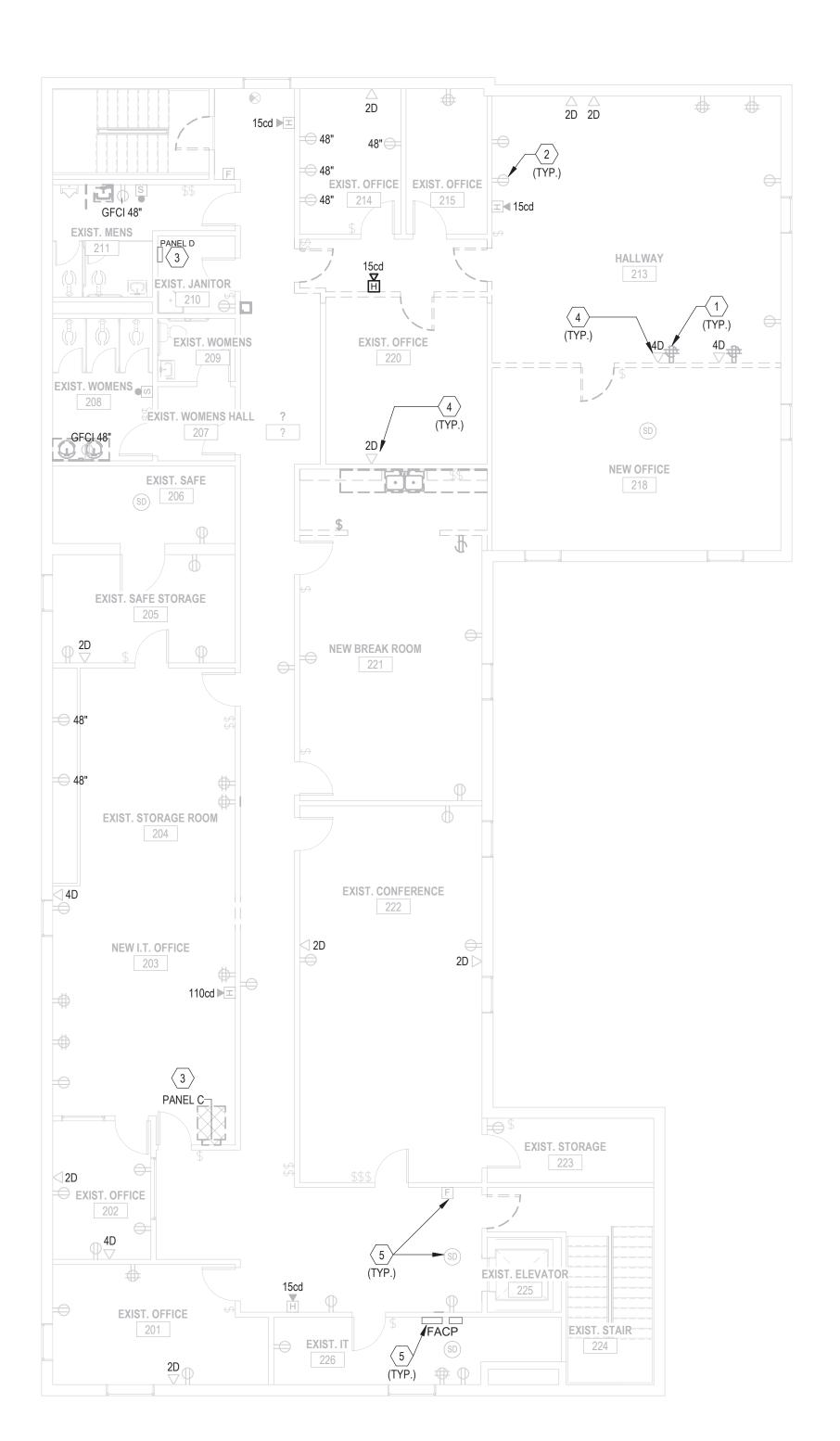
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1 LEVEL 2 ELECTRICAL DEMOLITION PLAN ED-102 1/8" = 1'-0"

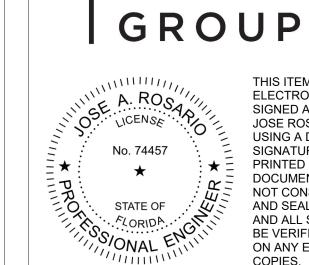
GENERAL DEMOLITION NOTES

- A. THE DESIGN INTENT IS TO REMOVE ALL OF THE EXISTING POWER/DATA/SPECIAL SYSTEM DEVICES WITHIN THE AREAS OF DEMO. PROPERLY DISPOSE OF ALL CONSTRUCTION DEBRIS. ALL DEVICES SHALL BE UPGRADED DURING RENOVATION.
- B. ALL WIRING, CONDUIT, JUNCTION BOXES, CABLING, ETC. SERVING DEMOLISHED DEVICES,
- C. CONTRACTOR SHALL RETAIN BREAKERS MADE SPARE BY DEMOLITION FOR CONNECTION OF NEW WORK UNLESS OTHERWISE NOTED.
- D. ALL CIRCUITING ASSOCIATED WITH EXISTING POWER DEVICES SHOWN TO BE REMOVED SHALL REMAIN AND BE PREPARED FOR RE-CONNECTION AND EXTENSION AS NECESSARY DURING DEMOLITION.
- E. ELECTRICAL CONTRACTOR SHALL DISCONNECT AND MAKE SAFE FOR REMOVAL OF ALL MECHANICAL, PLUMBING, FIRE PROTECTION AND ARCHITECTURAL EQUIPMENT, APPURENANCES, ETC. SCHEDULED FOR DEMOLITION. REFER TO OTHER DISCIPLINES DRAWINGS FOR ADDITIONAL INFORMATION.
- F. PROVIDE JUNCTION BOXES, CONDUIT, WIRE, CABLE ETC. AS REQUIRED TO MAINTAIN CONTINUITY TO EXISTING TO REMAIN DEVICES, EQUIPMENT, ETC.
- G. EXISTING CONDITIONS ARE BASED ON FIELD OBSERVATIONS AND 'AS-BUILT' DOCUMENTS. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND REPORT DISCREPANCIES TO ENGINEER PRIOR TO DISTURBING EXISTING INSTALLATION.
- H. SPEAKERS ARE EXISTING TO REMAIN. ENSURE SPEAKERS ARE IN WORKING CONDITIONS AND NOT DISTURBED. EXTRA CARE SHALL BE TAKEN; PROTECT DURING DEMOLITION.
- GENERAL CONTRACTOR TO PROVIDE WIRING. CONDUIT, LABELING, TESTING, FITTNGS HARDWARE AND SOFTWARE AS NEEDED TO RESTORE ANY DISTURBED SYSTEM INTENDED TO REMAIN FUNCTIONAL.

KEYNOTES

- ALL EXISTING POWER OUTLETS (SHOWN IN DASHED LAYERS)IN DEMOED AREAS SHALL BE REMOVED, TYPICAL. DEVICES BÈING DEMOLISHED SHALL HAVE BOXES, DEVICES, CONDUIT AND WIRING REMOVED BACK TO IT'S SOURCE. ALL DEMOLISHED ITEMS SHALL BE RETAINED FOR OWNER/ARCHITECT, UNLESS OTHERWISE REFUSED.
- 2 ALL EXISTING POWER OUTLETS (SHOWN AS GREYED OUT) SHALL BE EXISTING TO REMAIN, TYPICAL. NEW WIRING AND CONDUIT SHALL BE ROUTED TO THESE EXISTING TO REMAIN DEVICES.
- 3 ALL EXISTING SUBPANELS SHALL BE DEMOED.
- 4 ALL EXISTING DATA OUTLETS SHALL BE REMOVED, TYPICAL. DEVICES BEING DEMOLISHED SHALL HAVE BOXES, DEVICES, CONDUIT AND WIRING REMOVED BACK TO IT'S SOURCE. ALL DEMOLISHED ITEMS SHALL BE RETAINED FOR OWNER/ARCHITECT, UNLESS OTHERWISE REFUSED.
- 5 ALL EXISTING FIRE ALARM DEVICES SHALL BE REMOVED, INCLUDING THE MAIN FIRE ALARM CONTROL PANEL, TYPICAL. DEVICES BEING DEMOLISHED SHALL HAVE BOXES, DEVICES, CONDUIT AND WIRING REMOVED BACK TO IT'S SOURCE. ALL DEMOLISHED ITEMS SHALL BE RETAINED FOR OWNER/ARCHITECT, UNLESS OTHERWISE REFUSED.

- THE
- EQUIPMENT, ETC. SHALL BE REMOVED TO POINT OF ORIGIN.



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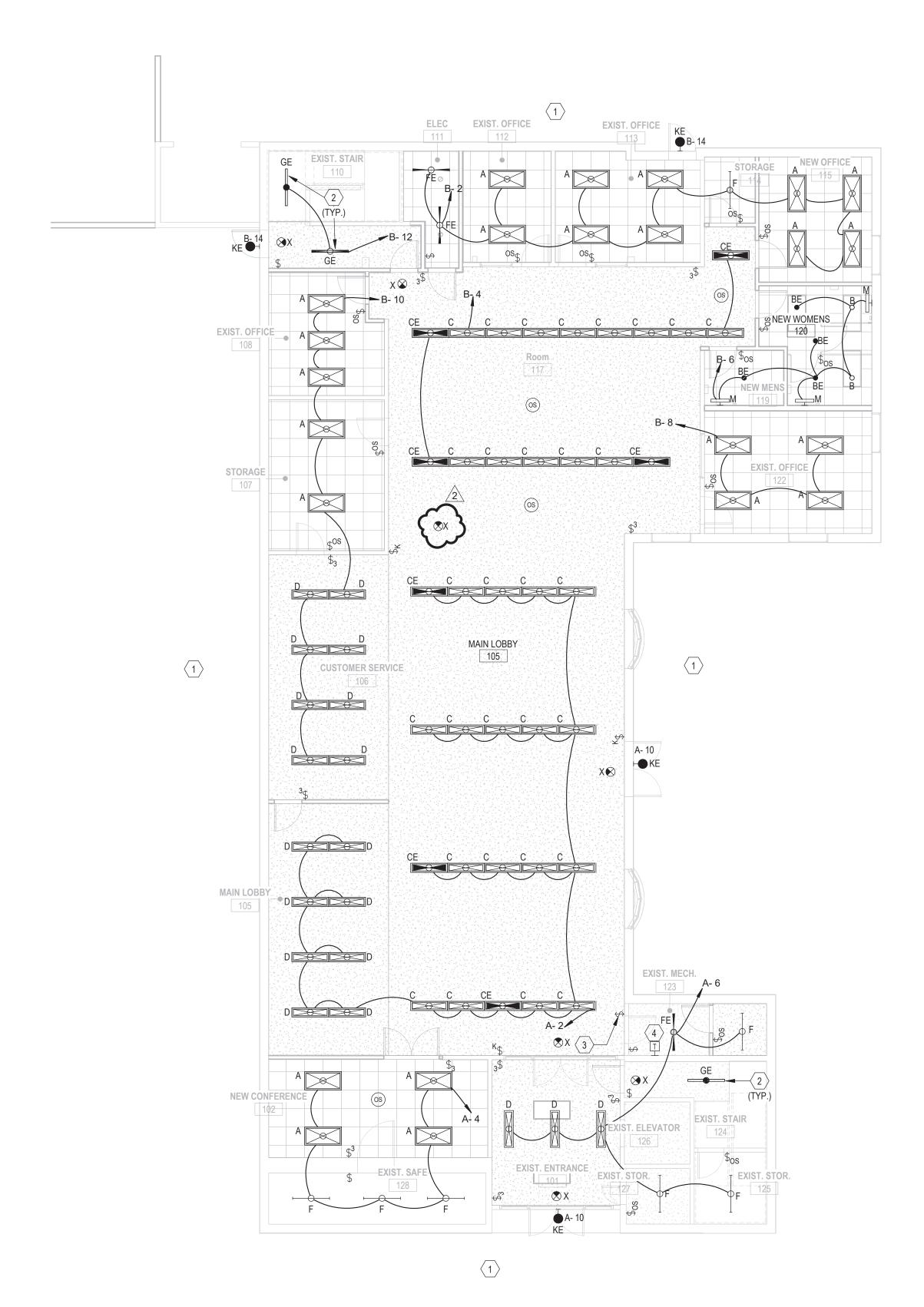
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1 LEVEL 1 LIGHTING PLAN E-101 1/8" = 1'-0"

LIGHTING SHEET NOTES

- A ALL RECESSED LIGHTING FIXTURES IN LAY-IN CEILINGS SHALL BE INSTALLED WITH 6' LONG FLEXIBLE METAL CONDUIT.
- B ALL MOUNTING HEIGHTS FOR LIGHTING FIXTURES ARE TO THE BOTTOM OF THE
- C SEE ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHTS OF
- D REFER TO SECTION 26 0519 FOR MINIMUM CONDUCTOR SIZE ADJUSTMENTS FOR VOLTAGE DROP.
- E **FOR TYPICAL PROJECTS WHERE WIRING IS SHOWN (EDIT AS NEEDED):.

- SWITCHING SHOWN.
- THE CIRCUIT BREAKER RATING, UNLESS INDICATED OTHERWISE ON THE ELECTRICAL EQUIPMENT SCHEDULE.

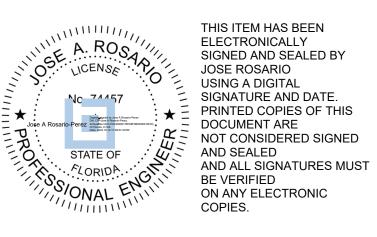
KEYNOTES

- 1 THE DESIGN SCOPE OF WORK FOCUSES ON INTERIOR LIGHTING RENOVATION EFFORTS ONLY. EXTERIOR LIGHTING & CONDITIONS TO REMAIN AS IT IS, SCOPE OF WORK LIMITED ONLY TO RECONNECT/EXTEND THE EXISTING EXTERIOR LIGHTING TO NEW PANEL AS NEEDED.
- MANUAL OVERRIDE SWITCH FOR ALL LIGHTING IN MAIN LOBBY 105. 4 ALL LIGHTING IN MAIN LOBBY 105 SHALL BE CONTROLLED BY THE NEW TIME CLOCK TO BE LOCATED IN MECHANICAL ROOM 123.

- FIXTURES UNLESS INDICATED OTHERWISE.
- EXTERIOR LIGHTING FIXTURES.
- F WIRE COUNTS FOR CIRCUIT CONDUCTORS ARE NOT SHOWN, PROVIDE PROPER NUMBER OF CONDUCTORS TO ACHIEVE CIRCUIT AND SWITCHING CONNECTIONS
- G MODIFICATIONS TO NUMBER OF CONDUCTORS IN HOME RUNS IN ADDITION TO CIRCUITS INDICATED ON THIS DRAWING ARE PROHIBITED.
- H **FOR TYPICAL PROJECTS WHERE WIRING IS NOT SHOWN (EDIT AS NEEDED): J CIRCUIT WIRING IS NOT SHOWN EXCEPT FOR SWITCHING INTENT OF FIXTURES
- AND CONTROL OF DEVICES. K PROVIDE PROPER NUMBER OF CONDUCTORS TO ACHIEVE CIRCUITING AND
- CIRCUIT NUMBERS AT DEVICES CORRESPOND TO PANELBOARD BREAKERS (SEE PANELBOARD SCHEDULE). BRANCH CIRCUITS SHALL BE SIZED ACCORDING TO

- 2 REPLACE EXISTING STAIRWELL FIXTURES ONE FOR ONE WITH FIXTURE TYPE 'GE' IN SAME LOCATIONS, EXACT QUANTITY TO BE VERIFIED AND COORDINATED IN

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1 LIGHTING PLAN

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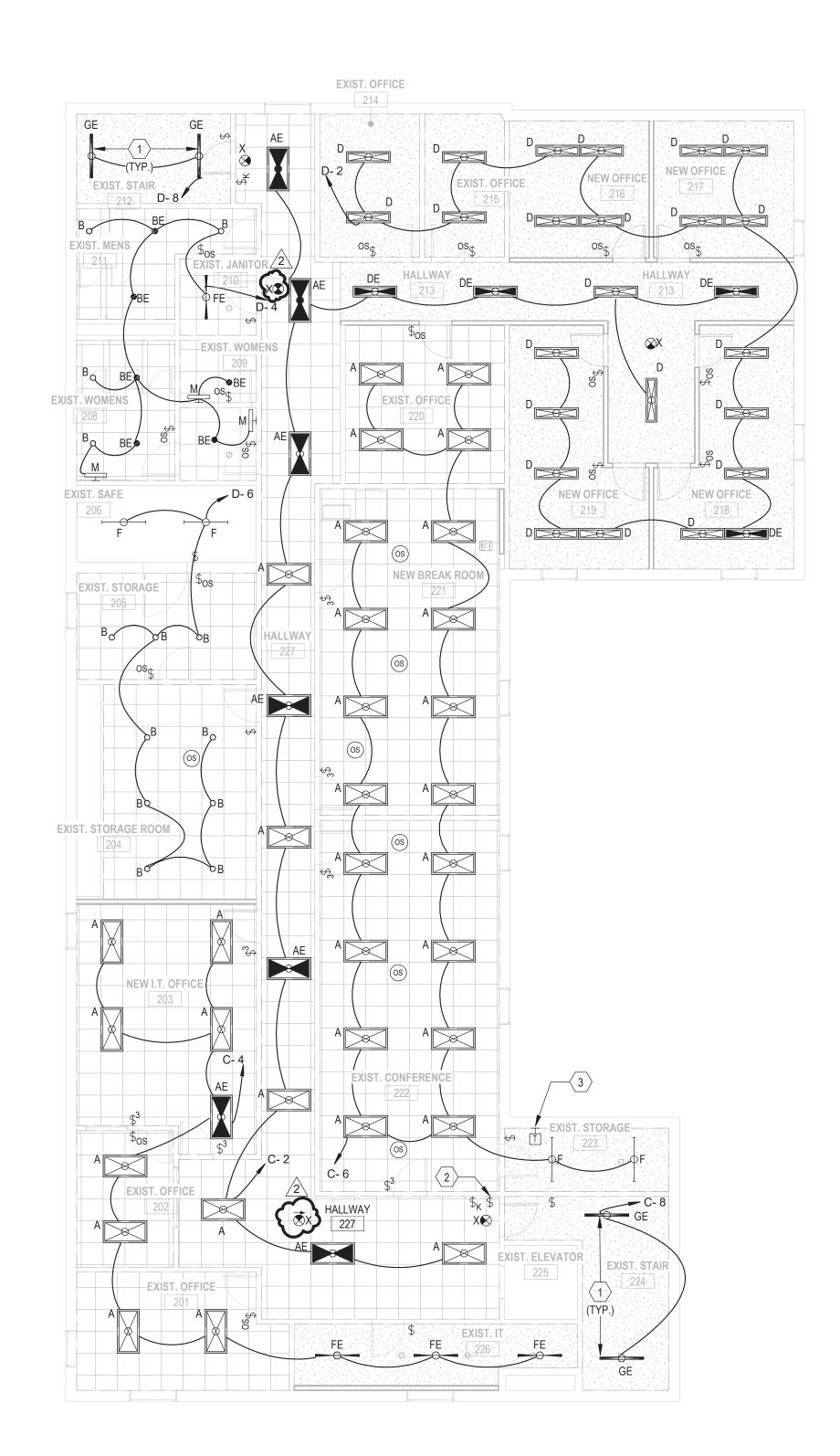
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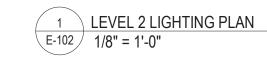
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LIGHTING SHEET NOTES

- A ALL RECESSED LIGHTING FIXTURES IN LAY-IN CEILINGS SHALL BE INSTALLED WITH 6' LONG FLEXIBLE METAL CONDUIT.
- B ALL MOUNTING HEIGHTS FOR LIGHTING FIXTURES ARE TO THE BOTTOM OF THE
- FIXTURES UNLESS INDICATED OTHERWISE. C SEE ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHTS OF EXTERIOR LIGHTING FIXTURES.
- D REFER TO SECTION 26 0519 FOR MINIMUM CONDUCTOR SIZE ADJUSTMENTS FOR VOLTAGE DROP.
- E **FOR TYPICAL PROJECTS WHERE WIRING IS SHOWN (EDIT AS NEEDED):. F WIRE COUNTS FOR CIRCUIT CONDUCTORS ARE NOT SHOWN. PROVIDE PROPER NUMBER OF CONDUCTORS TO ACHIEVE CIRCUIT AND SWITCHING CONNECTIONS
- G MODIFICATIONS TO NUMBER OF CONDUCTORS IN HOME RUNS IN ADDITION TO

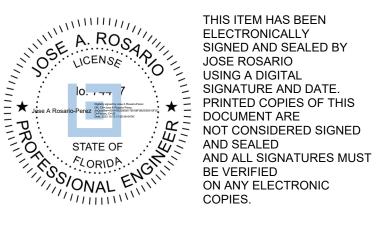
CIRCUITS INDICATED ON THIS DRAWING ARE PROHIBITED.

- H **FOR TYPICAL PROJECTS WHERE WIRING IS NOT SHOWN (EDIT AS NEEDED): J CIRCUIT WIRING IS NOT SHOWN EXCEPT FOR SWITCHING INTENT OF FIXTURES
- AND CONTROL OF DEVICES. K PROVIDE PROPER NUMBER OF CONDUCTORS TO ACHIEVE CIRCUITING AND SWITCHING SHOWN.
- CIRCUIT NUMBERS AT DEVICES CORRESPOND TO PANELBOARD BREAKERS (SEE PANELBOARD SCHEDULE). BRANCH CIRCUITS SHALL BE SIZED ACCORDING TO THE CIRCUIT BREAKER RATING, UNLESS INDICATED OTHERWISE ON THE ELECTRICAL EQUIPMENT SCHEDULE.

KEYNOTES

- 1 REPLACE EXISTING STAIRWELL FIXTURES ONE FOR ONE WITH FIXTURE TYPE 'G IN SAME LOCATIONS, EXACT QUANTITY TO BE VERIFIED AND COORDINATED IN
- MANUAL OVERRIDE SWITCH FOR ALL LIGHTING IN HALLWAY 213 & 227. 3 ALL LIGHTING IN HALLWAY 213 & 2227 SHALL BE CONTROLLED BY THE NEW
- TIMECLOCK TO BE LOCATED IN STORAGE ROOM 223.

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LEVEL 2 LIGHTING PLAN

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GENERAL ELECTRICAL NOTES

- PROVIDE TYPED CIRCUIT BOARD DIRECTORIES TO REFLECT AS-CONSTRUCTED
- SCOPE INCLUDING, BUT NOT LIMITED TO PHASED DEMOLITION AND NEW CONSTRUCTION. EXISTING INFORMATION INDICATED ON THESE PLANS DOES NOT REPRESENT ALL EXISTING CONDITIONS. THIS CONTRACTOR SHALL BECOME FAMILIAR WITH EXISTING CONDITIONS, SCOPE OF PHASING, AND PROJECT INTENT PRIOR TO BID SUBMISSION. NO EXTRA WILL BE ALLOWED DUE TO THE LACK OF KNOWLEDGE OF EXISTING CONDITIONS TO COORDINATE RELOCATION OF ELECTRICAL SYSTEMS AS REQUIRED.
- PROVIDE CUTTING, PATCHING, AND RESTORATION OF FINISHES NECESSARY FOR WORK SURFACES DAMAGED BY THIS WORK AND SPACES AROUND CONDUITS PASSING THROUGH FLOORS AND WALLS SHALL BE NEATLY PATCHED AND FINISHED TO MATCH NEW/EXISTING. STRUCTURAL MEMBERS SHALL NOT BE CUT OR PENETRATED IN ANY MANNER. THE SPACES AROUND THE CONDUITS SHALL BE SEALED TO PREVENT ENTRANCE OF MOISTURE. PROVIDE FIRE STOPPING PER UL APPROVED METHODS.
- REMOVE ABANDONED WIRING COMPLETE. AT CONTRACTORS OPTION, UTILIZE EXISTING ABANDONED RACEWAY TO EXTENT AVAILABLE. EXPOSED ABANDONED RACEWAY SHALL BE REMOVED.
- FACILITATE DEMOLITION AND NEW CONSTRUCTION.

KEYNOTES

- NEW ELECTRICAL MAIN SWITCHGEAR AND NEW SUBPANELS SHALL BE FURNISHED AND INSTALLED AS SHOWN, REPLACING THE OLD ELECTRICAL GEARS. REFER TO POWER RISER SHEET E-501 FOR MORE DETAILS ON CONNECTIONS, RATINGS, ETC. MAIN SWITCHGEAR DIMENSIONS SHOWN ON PLAN WERE BASED ON MANUFACTURER 'SQUARE D', GENERAL CONTRACTOR SHALL VERIFY DIMENSIONS IF DIFFERENT GEAR IS SELECTED.
- 24 HOUR FUEL TANK. SEE RISER SHEET E-501 FOR GENERATOR CONNECTIONS AND SHEET E-502 FOR GENERATOR DETAILS. 36" CLEARANCE REQUIRED AROUND THE GENERATOR UNIT FOR ACCESSIBILITY AND ADEQUATE AIRFLOW. GENERATOR ORIENTATION SHALL BE CONFIGURED IN SUCH A WAY SUCH THAT THE EXHAUST OUTLET OF THE GENERATOR IS LOCATED IN THE OPPOSITE DIRECTION AND MINIMUM 15 FEET AWAY FROM THE EXISTING TRANSFORMER. THE EXHAUST OUTLET TO BE LOCATED TOWARDS THE DIRECTION OF PARKING SPACE.
- NEW POWER OUTLETS (SHOWN IN SOLID DARK LAYER), TYPICAL. NEW WIRING AND CONDUIT SHALL BE RUN TO THE NEW DEVICES.
- EXISTING UTILITY TRANSFORMER AND METER TO REMAIN. EXISTING FEEDERS FROM THE TRANSFORMER TO THE MAIN ELECTRICAL ROOM SHALL BE DEMOLISHED PRIOR TO PROVIDING NEW ELECTRICAL SERVICE FEEDERS. NEW ELECTRICAL SERVICE FEEDERS SHALL BE ROUTED FROM THE TRANSFORMER TO THE SERVICE ENTRANCE RATED ATS INSIDE THE ELECTRICAL ROOM, REFER TO POWER RISER SHEET E501 FOR MORE DETAILS.
- LID OR AS REQUIRED BY AHJ. WHEN OPENED, KNOX BOX MUST SEND WITH ARCHITECT PRIOR TO INSTALLATION. PROVIDE 3/4" C TO FACP.
- DISCONNECT FOR INSTANTANEOUS WATER HEATER (IWH).
- PROVIDE (1) 1" CONDUITS UNDERGROUND WITH PULL STRINGS FROM GENERATOR CONTROLS TO FACP. FACP SHALL MONITOR GENERATOR.
- BUT NOT LIMITED TO ELEVATOR LIGHTS, FAN, MAIN DISCONNECT, ETC. SHALL BE REUSED AND EXTENDED TO NEW PANEL LOCATION.

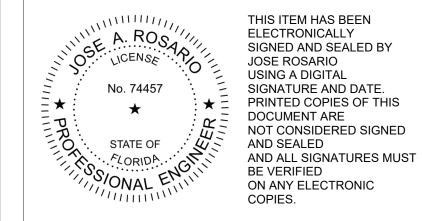
- A BRANCH CIRCUITING INDICATED ON PLANS AND SCHEDULES IS BASED UPON EXISTING PLANS AND SITE OBSERVATION, CONTRACTOR TO FIELD VERIFY.
- CONDITIONS. FIELD VERIFY DURING CONSTRUCTION AND REVISE ACCORDINGLY. PROVIDE NECESSARY DEMOLITION TO FACILITATE NEW CONSTRUCTION WORK ASSOCIATED WITH THIS PROJECT. COORDINATE OUTAGES WITH OWNER MINIMUM 72 HOURS IN ADVANCE. OWNER RETAINS RIGHT TO FIRST SALVAGE. PROVIDE DISPOSAL OF REMOVED MATERIAL. MAINTAIN CIRCUIT CONTINUITY AS REQUIRED.
- IT IS THE INTENT OF THESE DIAGRAMMATIC DRAWINGS TO PROVIDE THE PROJECT

- COORDINATE WORK IN PHASES WITH GENERAL CONTRACTOR AND OWNER TO
- FOR THE REMOVE ELECTRICAL RELATED EQUIPMENT (I.E. JUNCTION BOXES, RECEPTACLES SWITCHES, DEVICES, ETC...) AFFECTED/ABANDONED AS A RESULT OF DEMOLITION AND NEW CONSTRUCTION.

- NEW SERVICE ENTRANCE RATED AUTOMATIC TRANSFER SWITCH (ATS) SHALL BE FURNISHED AND INSTALLED AS SHOWN, REFER TO POWER RISER SHEET E-501 FOR MORE DETAILS ON CONNECTIONS, FEEDER ROUTING, EQUIPMENT RATING, ETC. ATS DIMENSIONS SHOWN ON PLAN WERE BASED ON MANUFACTURER 'ASCO', GENERAL CONTRACTOR SHALL VERIFY DIMENSIONS IF DIFFERENT GEAR IS SELECTED.
- APPROXIMATE LOCATION OF STANDBY DIESEL GENERATOR WITH ENCLOSURE &
- 4 ALL EXISTING POWER OUTLETS (SHOWN AS GREYED OUT), TYPICAL, SHALL BE EXISTING TO REMAIN. NEW WIRING AND CONDUIT SHALL BE ROUTED TO THESE EXISTING TO REMAIN DEVICES.

- KNOX BOX FIRE DEPARTMENT ACCESS BOX, KNOX BOX 3200 SERIES WITH HINGED SUPERVISORY NOTIFICATION TO THE FACP. VERIFY EXACT HEIGHT AND LOCATION
- 10 ALL EXISTING EQUIPMENT ASSOCIATED WITH THE ELEVATOR WHICH INCLUDES







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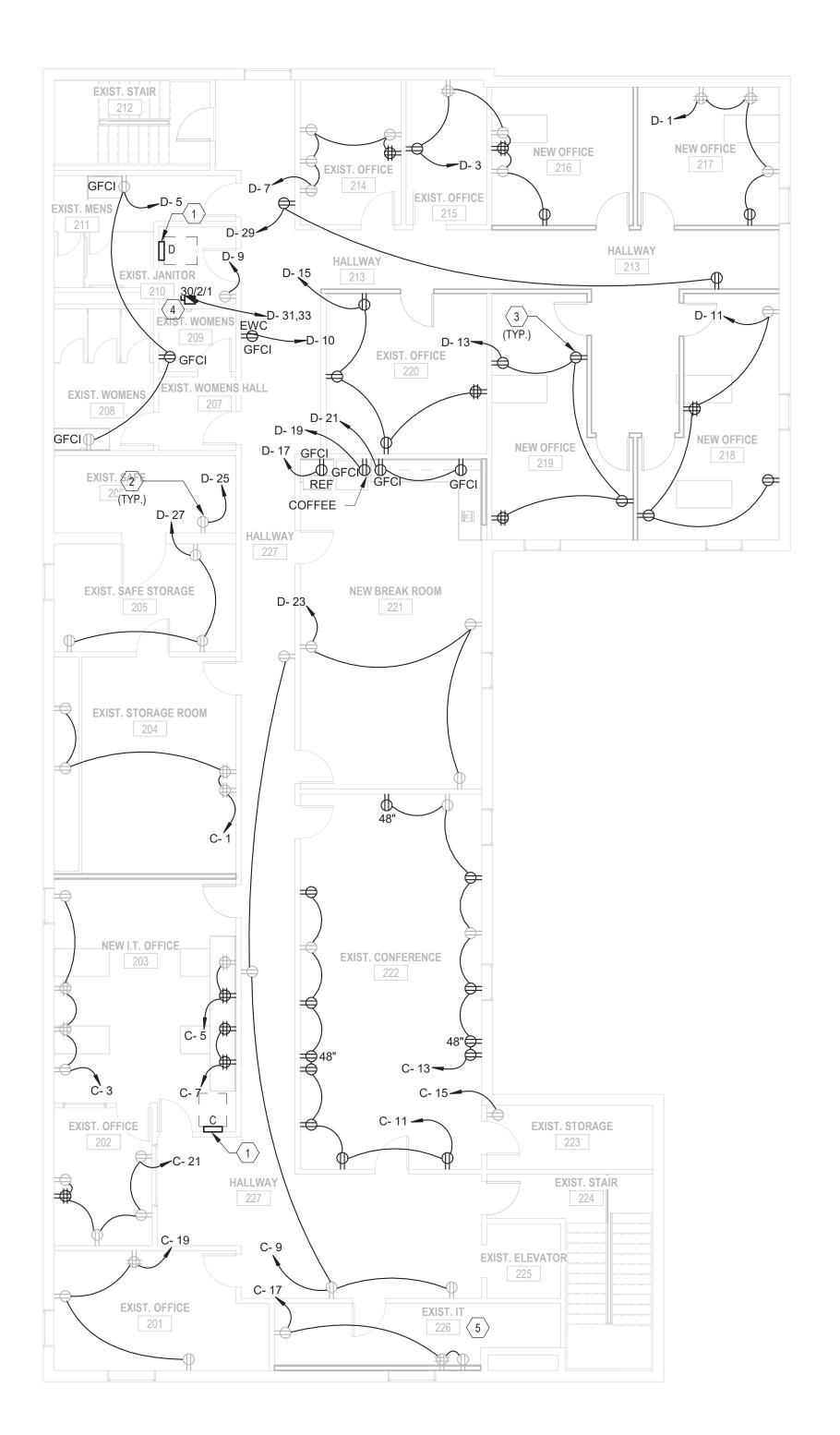
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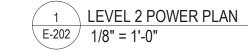
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GENERAL ELECTRICAL NOTES

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- WORK SURFACES DAMAGED BY THIS WORK AND SPACES AROUND CONDUITS PASSING THROUGH FLOORS AND WALLS SHALL BE NEATLY PATCHED AND FINISHED PENETRATED IN ANY MANNER. THE SPACES AROUND THE CONDUITS SHALL BE SEALED TO PREVENT ENTRANCE OF MOISTURE. PROVIDE FIRE STOPPING PER UL APPROVED METHODS.
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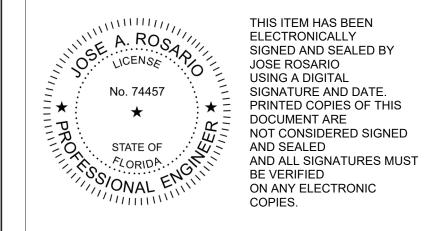
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- NEW POWER OUTLETS (SHOWN IN SOLID DARK LAYER), TYPICAL. NEW WIRING AND CONDUIT SHALL BE RUN TO THE NEW DEVICES.
- 5 CONTRACTOR SHALL EXTEND EXISTING BRANCH CIRCUIT FEEDERS FOR EXISTING MINI SPLIT UNIT IN IT ROOM TO NEW PANEL, EXACT LOCATION OF MINI SPLIT TO BE VERIFIED IN FIELD. CONTRACTOR SHALL VERIFY CIRCUIT BREAKER, BRANCH FEEDER SIZE, ALL REQUIREMENTS IN REGARDS TO THE MINISPLIT PRIOR TO EXTENDING IT'S BRANCH FEEDERS TO THE NEW PANEL LOCATION.

- CONDITIONS. FIELD VERIFY DURING CONSTRUCTION AND REVISE ACCORDINGLY.
- OF REMOVED MATERIAL. MAINTAIN CIRCUIT CONTINUITY AS REQUIRED.
- PROVIDE CUTTING, PATCHING, AND RESTORATION OF FINISHES NECESSARY FOR TO MATCH NEW/EXISTING. STRUCTURAL MEMBERS SHALL NOT BE CUT OR
- RACEWAY SHALL BE REMOVED.

KEYNOTES

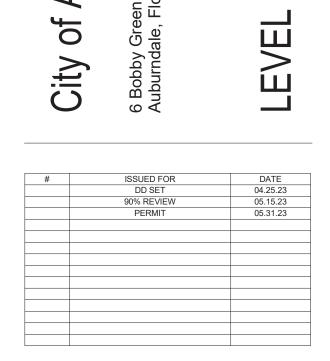
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- EXISTING TO REMAIN DEVICES.
- DISCONNECT FOR ELECTRIC WATER HEATER (WH-1).

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POWER PLAN

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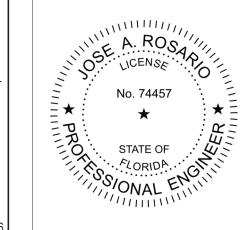
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KEYNOTES

- NEW DATA OUTLETS, TYPICAL. PROVIDE 1-1/4" CONDUIT WITH PULL STRING FROM EACH DATA DROP (WITH 4 PORTS) TO THE IT ROOM 226. COORDINATE WITH VENDOR FOR ALL MEANS, METHODS, WIRING AND INSTALLATION REQUIREMENTS. LOCATION ARE SHOWN FOR COORDINATION PURPOSES. THE GENERAL CONTRACTOR SHALL INCLUDE IN PROJECT BID TO RUN FULL HOMERUNS FROM EACH DATA DROP LOCATION TO IT ROOM 226. SHOP DRAWING INCLUDING LABELING MATRIX SHALL BE PROVIDED, WIRING SHALL BE RAN AND SUPPORTED USING INDUSTRY STANDARDS MEANS AND METHODS.
- NEW DATA OUTLETS, TYPICAL. PROVIDE 3/4" CONDUIT WITH PULL STRING FROM EACH DATA DROP (WITH 2 PORTS) TO THE IT ROOM 226. COORDINATE WITH VENDOR FOR ALL MEANS, METHODS, WIRING AND INSTALLATION REQUIREMENTS. LOCATION ARE SHOWN FOR COORDINATION PURPOSES. THE GENERAL CONTRACTOR SHALL INCLUDE IN PROJECT BID TO RUN FULL HOMERUNS FROM EACH DATA DROP LOCATION TO IT ROOM 226. SHOP DRAWING INCLUDING LABELING MATRIX SHALL BE PROVIDED, WIRING SHALL BE RAN AND SUPPORTED USING INDUSTRY STANDARDS MEANS AND METHODS.
- NEW SECURITY CAMERAS AS SHOWN, TYPICAL. PROVIDE 3/4" CONDUIT WITH PULL STRING FROM EACH CAMERA LOCATION TO THE IT ROOM 226. COORDINATE WITH VENDOR FOR ALL MEANS, METHODS, WIRING AND INSTALLATION REQUIREMENTS. LOCATION ARE SHOWN FOR COORDINATION PURPOSES. THE GENERAL CONTRACTOR SHALL INCLUDE IN PROJECT BID TO RUN FULL HOMERUNS FROM EACH CAMERA LOCATION TO IT ROOM 226. SHOP DRAWING INCLUDING LABELING MATRIX SHALL BE PROVIDED, WIRING SHALL BE RAN AND SUPPORTED USING INDUSTRY STANDARDS MEANS AND METHODS.
- 4 ROUTE (2) 3/4" CONDUITS WITH PULL STRING FROM EACH DOOR ACCESS CONTROL. (1) CONDUIT SHALL BE ROUTED TO THE NEAREST ELECTRICAL PANEL FOR POWER AND ANOTHER CONDUIT CONDUIT SHALL BE ROUTED TO IT ROOM 226 FOR CONTROL, TYPICAL. COORDINATE WITH VENDOR FOR ALL MEANS, METHODS, WIRING AND INSTALLATION REQUIREMENTS.
- NEW FIRE ALARM SYSTEM INCLUDING THE MAIN FIRE ALARM CONTROL PANEL REMOTE ANNUNCIATER, DIALER, INITIATION AND NOTIFICATION DEVICES SHALL BE PROVIDED THROUGOUT THE BUILDING IN COMPLIANCE WITH CURRENT APPLICABLE CODES AND LOCAL ORDINANCES.

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1	Revision 1	09.05.23

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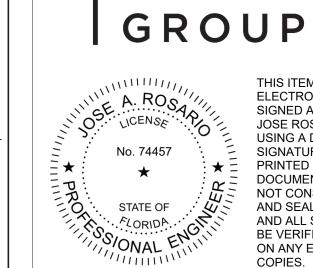
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- NEW FIRE ALARM SYSTEM INCLUDING THE MAIN FIRE ALARM CONTROL PANEL REMOTE ANNUNCIATER, DIALER, INITIATION AND NOTIFICATION DEVICES SHALL BE PROVIDED THROUGOUT THE BUILDING IN COMPLIANCE WITH CURRENT APPLICABLE CODES AND LOCAL ORDINANCES.
- APPROXIMATE LOCATION OF EXISTING ROOFTOP UNITS, EXACT LOCATION SHALL BE VERIFIED IN FIELD. PROVIDE DUCT DETECTOR AND RELAY MODULE FOR EACH RTU. TIE RELAY MODULE OF EACH UNIT TO THE MAIN FIRE ALARM SYSTEM SUCH THAT UPON FIRE ALARM ACTIVATION THE RELAY MODULE SHUTS DOWN THE RESPECTIVE RTU. NOTE THAT THE EXISTING BRANCH FEEDERS FOR THE TWO EXISTING RTUS SHALL BE EXTENDED TO THE NEW MDP PANEL LOCATION.
- APPROXIMATE LOCATION OF NEW FIRE SUPPRESSION SYSTEM, EXACT LOCATION TO BE VERIFIED IN FIELD. PROVIDE AND TIE NEW RELAY MODULE FOR THE SUPPRESSION SYSTEM TO THE MAIN FIRE ALARM SYSTEM. COORDINATE ALL THE REQUIREMENTS WITH THE FIRE SUPPRESSION VENDOR INCLUDING PROVISION OF ALL DEVICES AND MAKING ALL SORTS OF TERMINATIONS, ETC. PROVIDE DEDICATED CIRCUIT FOR THE CONTROL PANEL OF THE SYSTEM AS SHOWN.
- DEDICATED CIRCUIT FOR THE IT EQUIPMENT RACKS, COORDINATE EXACT LOCATION AND ALL OTHER REQUIREMENTS WITH LOW VOLTAGE VENDOR.

KEYNOTES

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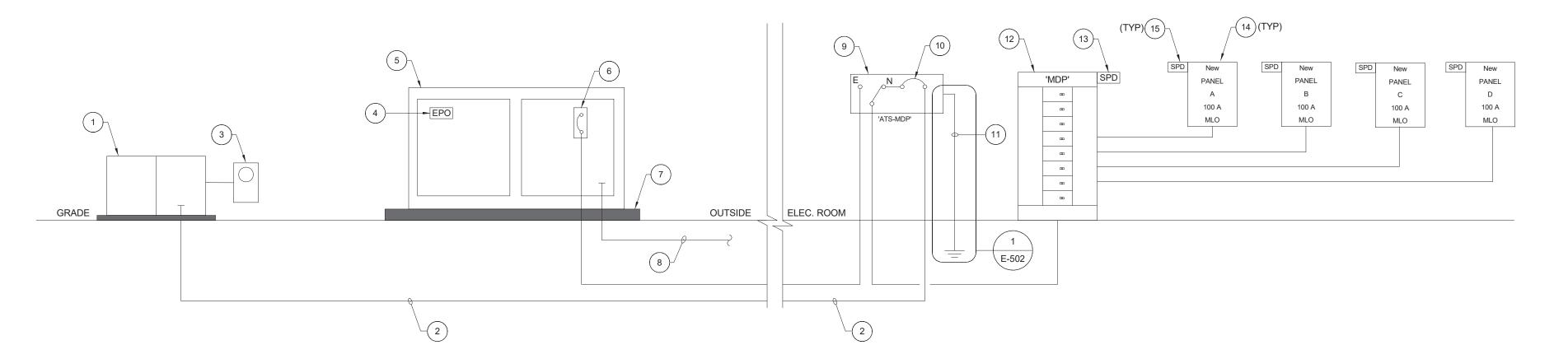
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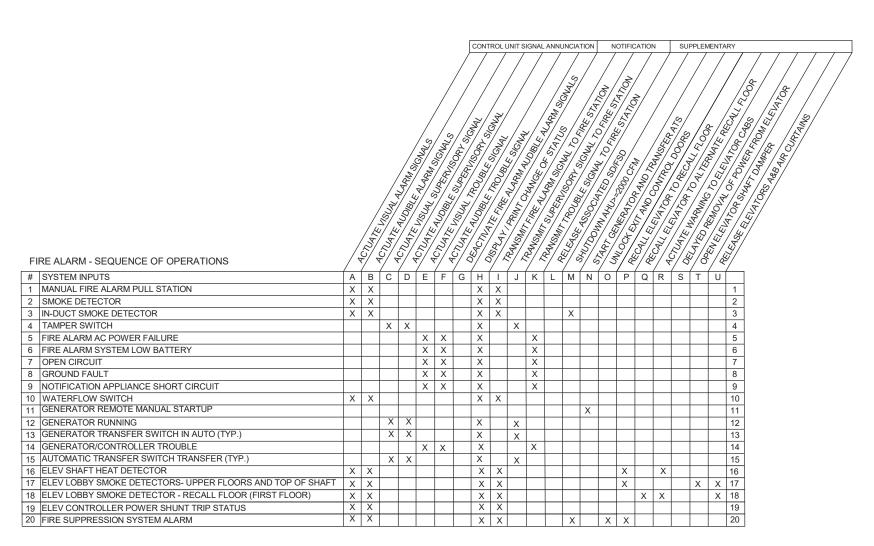
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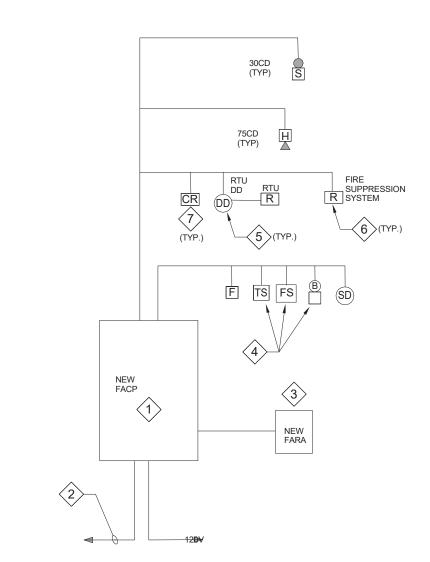
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RISER DIAGRAM - 208/120V-3PH-4W



FIRE ALARM INPUT/OUTPUT MATRIX (FOR REFERENCE)



FIRE ALARM RISER DIAGRAM (TYPICAL)

GENERAL NOTES

- A. REFER TO LOCAL UTILITY STANDARD FOR ELECTRICAL SERVICE REQUIREMENTS FOR COORDINATION WITH INSTALLATION OF TRANSFORMER AND METERING EQUIPMENT.
- B. REFER TO SCHEDULES FOR ADDITIONAL INFORMATION.
- C. REFER TO "208V FEEDER SCHEDULE" FOR ADDITIONAL INFORMATION.
- D. CONTRACTOR SHALL VERIFY AIC RATING OF THE TRANSFORMER WITH LOCAL UTILITY. AVAILABLE FAULT CURRENT LABELING: IN LIEU OF THE MAXIMUM AVAILABLE FAULT CURRENT MARKINGS AS REQUIRED BY THE NEC, A PERMANENTLY AFFIXED LABEL SHALL BE PROVIDED WITH THE AVAILABLE FAULT CURRENT AT THE TIME OF INSTALLATION AND CALCULATION. THE LABEL SHALL BE 2"X3" IN SIZE AND SHALL BE BLUE LETTERING ON THE CONTRASTING BACKGROUND. THE LABEL SHALL ALSO INCLUDE THE DATE OF THE SHORT CIRCUIT FAULT CURRENT CALCULATION.

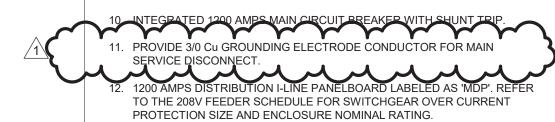
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KEYNOTES

- 1. EXISTING PAD-MOUNT UTILITY TRANSFORMER, 'T1' FROM LOCAL UTILITY.
- NEW SECONDARY ELECTRICAL UNDERGROUND SERVICE FEEDER CONTRACTOR SHALL PROVIDE COMPACTED FILL FOR THE SECONDARY ELECTRICAL UNDERGROUND SERVICE FEEDERS. THE INTENT OF DESIGN IS TO REUSE CONDUIT WITH NEW CONDUCTORS. HOWEVER, THE GENERAL CONTRACTOR SHALL INCLUDE IN BID TO ADD AND OR/REPLACE CONDUITS & ASSOCIATED TRENCHING IN THE CASE WHERE QUANTITY AND/OR CONDUIT CONDITIONS DO NOT ALLOW THIS PRESENT THIS AS A COST DEDUCT TO THE CLIENT IN THE CASE THAT CONDUIT CAN BE REUSED AS IT IS.
- 3. EXISTING ELECTRIC UTILITY METER TO REMAIN
- 4. EPO EMERGENCY POWER OFF, MUSHROOM STYLE, RED IN COLOR. PROVIDE IDENTIFICATION PLAQUE, RED WITH 1/2" WHITE LETTERS AND SHALL BE LABELED AS "EMERGENCY GENERATOR DISCONNECT." BUTTON SHALL BE TIED TO GENERATOR CONTROL PANEL AND (1) EPO MOUNTED ON GENERATOR ENCLOSURE AND (1) EPO MOUNTED OUTSIDE OF ELECTRICAL ROOM.
- 5. 475 KW, 120/208V 3 PH EMERGENCY STAND-BY DIESEL GENERATOR.
- 6. PROVIDE 208V, 1200 AMP/3P CIRCUIT BREAKER.

SWITCH LABELED AS 'ATS'-MDP, 65K AIC RATING.

- 7. GENERATOR EQUIPMENT 24" REINFORCED CONCRETE PAD WITH 12" REVEAL ABOVE GRADE.
- 8. (1) 1" CONDUITS FROM GENERATOR CONTROL PANEL TO GENERATOR FIRE ALARM CONTROL PANEL.
- 9. 1200 AMPS SERVICE ENTRANCE RATED ATS, AUTOMATIC TRANSFER

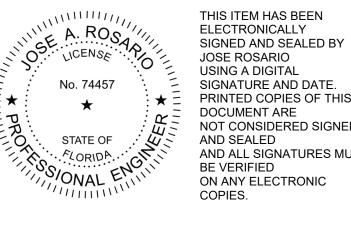


- 13. PQ PROTECTION SURGE PROTECTION DEVICE PQS300-120/208.
- 14. BRANCH PANELBOARD.
- 15. PQ PROTECTION SURGE PROTECTION DEVICE PQC160-120/208.

FIRE ALARM RISER KEYNOTES

- NEW FIRE ALARM CONTROL PANEL WITH DIGITAL ALARM COMMUNICATION TRANSMITTER. BASIS OF DESIGN: NOTIFIER.
- PROVIDE NEW DUAL TECHNOLOGY METHODS TO TRANSMIT ANY SYSTEM STATUS AND ALARM SIGNAL TO CENTRAL SUPERVISION STATION, IF NOT EXISTING.
- 3. NEW FIRE ALARM ANNUNCIATION PANEL.
- 4. TAMPER SWITCH, FLOW SWITCH, AND BELL PROVIDED BY SPRINKLER CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL WIRING AND MAKE CONNECTIONS AS FOLLOWS:
- PROVIDE FIRE ALARM CONNECTIONS AS INDICATED ON THE RISER DIAGRAM. THE FLOW AND TAMPER SWITCH ZONES ARE TO BE SUPERVISED. FIRE ALARM SIGNAL DEVICES ARE TO BE ACTIVATED UPON ACTIVATION OF THE SPRINKLER SYSTEM.
- WIRE FLOW SWITCH CONTACT (N.O) AND TAMPER SWITCH CONTACT (N.O) IN PARALLEL WITH EACH OTHER THEN IN SERIES WITH BELL. CONTRACTOR IS TO VERIFY THAT THE BELL WILL BE ACTIVATED UPON ACTIVATION OF THE SPRINKLER SYSTEM.
- CONTRACTOR IS TO VERIFY THAT THE FLOW SWITCHES AND TAMPER SWITCHES HAVE TWO NORMALLY OPEN CONTACTS EACH. CONTRACTOR IS TO PROVIDE ADDRESSABLE RELAY MODULES IF
- EXISTING RTUs TO BE PROVIDED WITH NEW SMOKE DETECTORS THAT SHALL BE BE SUPERVISED BY THE FIRE ALARM SYSTEM. INITIATION SHALL CAUSE ALL UNITS TO SHUT DOWN. PROVIDE A REMOTE TEST SWITCH FOR EACH RTU SMOKE DETECTOR. COORDINATE EXACT LOCATION OF SWITCH WITH FIRE MARSHAL PRIOR TO ROUGH-IN. COORDINATE QUANTITY OF DEVICES WITH MECHANICAL CONTRACTOR.
- NEW FIRE SUPPRESSION SYSTEM TO BE SUPERVISED BY THE FIRE ALARM SYSTEM. PROVIDE AND TIE RELAY MODULE FOR THE FIRE SUPPRESSION SYSTEM TO THE FIRE ALARM SYSTEM. COORDINATE ALL REQUIREMENTS WITH FIRE SUPPRESSION VENDOR.
- CARD READERS TO BE DE-ACTIVATED UPON INITIATION OF FIRE ALARM SYSTEM SO THAT THE CONTROLLED DOORS ARE UNLOCKED. COORDINATE TIE IN WITH SYSTEM INSTALLER AND FACILITY SECURITY PERSONNEL PRIOR TO CONNECTION.

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City

33609 813.289.4700 COA # 8304 Project 2022536

> **ELECTRICAL HEDULES DIAGRAM AND**

RISER 90% REVIEW

DRAWN BY: SK REVIEW BY: JAR

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NEUTRAL-GROUND BOND IN MDP

GND

-LUG

AUTOMATIC

TRANSFER

SWITCH

GROUNDING

SUPPLY-SIDE

FQUIPMENT

GROUNDING

_CONDUCTOR

EQUIPMENT

GROUNDING

NOTE:

GENERATOR GROUNDING AND NEUTRAL

CONDUCTOR_

CONDUCTOR OR

BONDING JUMPER

208/120V, 3-PH, 4W

. TRANSFER SWITCH CONTACTS SHALL BE OF

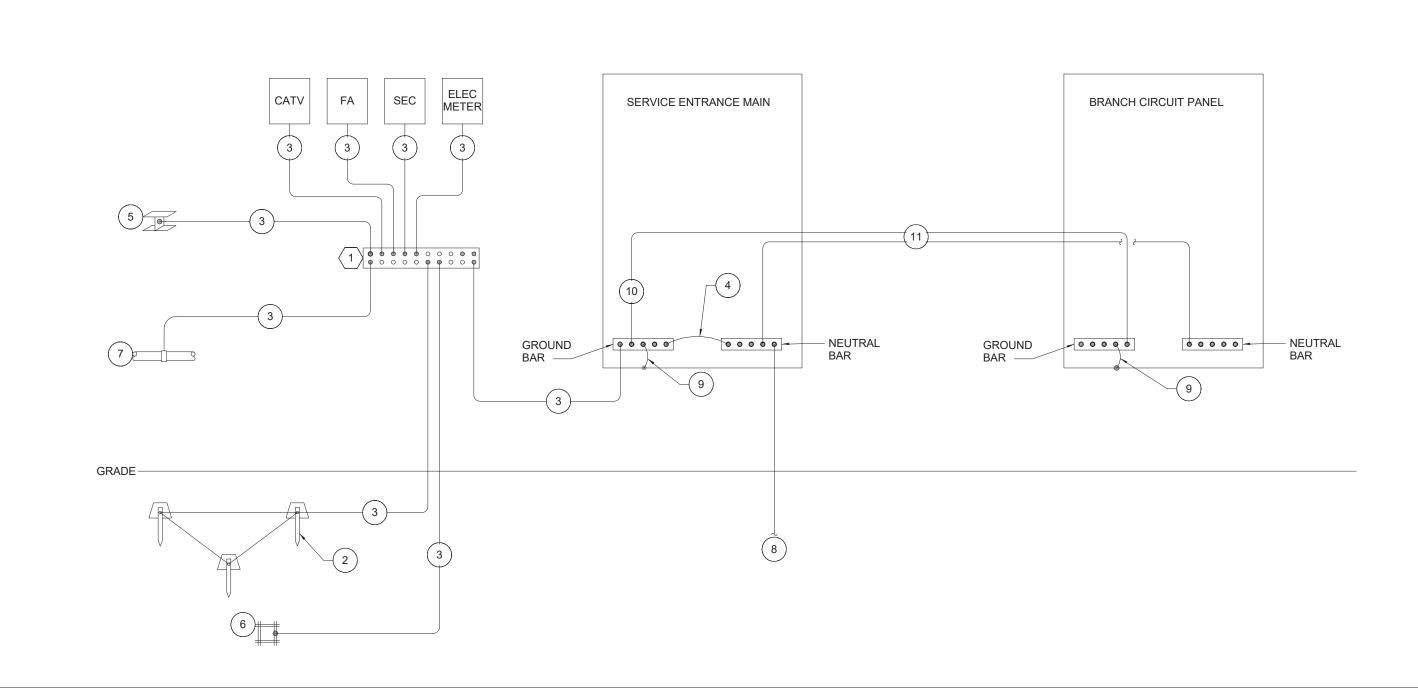
FOR INSPECTION AND REPLACEMENT.

THE OPEN TYPE AND SHALL BE ACCESSIBLE

GENERATOR NON

- DERIVED SYSTEM

SEPARATELY



GROUNDING DETAIL KEYNOTES

- 1. GROUND BUS BAR LOCATED IN MAIN ELECTRICAL ROOM OR WITHIN SERVICE ENTRANCE MAIN. 0.25" X 4" X 12" WITH 18 HOLES MINIMUM FOR EXTERNAL INSTALLATION.
- GROUNDING TRIAD, 3-3/4" X 10'-0" COPPERCLAD GROUND RODS DRIVEN INTO GROUND AT LEAST 1 ROD'S LENGTH APART. PROVIDE WITH INSPECTION TEST WELL.
- COPPER GROUNDING ELECTRODE CONDUCTOR SIZED PER NEC TABLE
- SERVICE ENTRANCE MAIN BONDING JUMPER SIZED PER NEC TABLE 250.66. NEUTRAL SHALL ONLY BE BONDED AT SERVICE ENTRANCE, ALL OTHER NEUTRALS SHALL BE CONSIDERED FLOATING.
- 5. CONNECTIONS TO BUILDING STEEL SHALL BE BY EXOTHERMIC WELD
- 6. CONNECTIONS TO REBAR ENCASED IN CONCRETE SHALL BE BY EXOTHERMIC WELD.
- 7. BOND METALLIC COLD WATER PIPE WITHIN 5' 0" OF ENTERING BUILDING. CONNECTION SHALL BE MADE WITH NON-CORROSIVE MATERIAL GROUNDING ELECTRODE CLAMP.
- 8. SERVICE ENTRANCE NEUTRAL CONDUCTOR.

250.66, MINIMUM SIZE #8.

- ALL EQUIPMENT ENCLOSURES AND METAL RACEWAYS SHALL BE GROUNDED WITH AN EQUIPMENT GROUNDING CONDUCTOR SIZED PER NEC TABLE 250.122.
- 10. EQUIPMENT GROUNDING CONDUCTOR SIZED PER NEC TABLE 250.122.
- 11. NEUTRAL CONDUCTOR WITH INSULATED EQUIPMENT GROUNDING CONDUCTOR TO BRANCH CIRCUIT PANELS/EQUIPMENT.

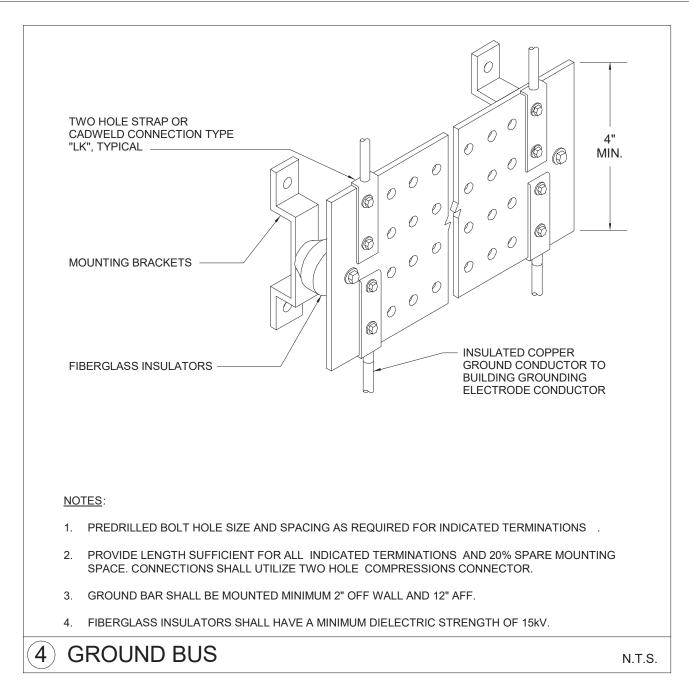
SERVICE EQUIPMENT

MAIN



PROVIDE CONDUIT SUPPORTS IN ACCORDANCE WITH NEC. SPACING REQUIREMENTS FOR TYPE OF RACEWAY - TYPICAL WALL OUTLETS AS REQUIRED FOR TYPE OF CONSTRUCTION. SUPPORT OUTLET BOX. NOTES: 1. TYPICAL FOR WOOD AND METAL STUD ROUGH-IN. PLASTER RINGS NOT SHOW. 3. LOCATE ALL OUTLET BOXES IN ACCORDANCE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS, AND WITH ALL APPLICABLE SHOP DRAWINGS.

- IN ACCORDANCE WITH UBC 4304 OUTLETS ON OPPOSITE SIDES OF WALLS OR PARTITIONS IN THE SAME STUD SPACE MUST BE SEPARATED BY A MIN. OF 24" HORIZONTAL DISTANCE.
- 5. TOENAILING OF OUTLET BOXES DIRECTLY TO THE STUDS WILL NOT BE
- ACCEPTED. 6. OUTLETS SHOWN TOGETHER ON PLAN SHALL BE INSTALLED TOGETHER.
- (6) TYPICAL ROUGH-IN

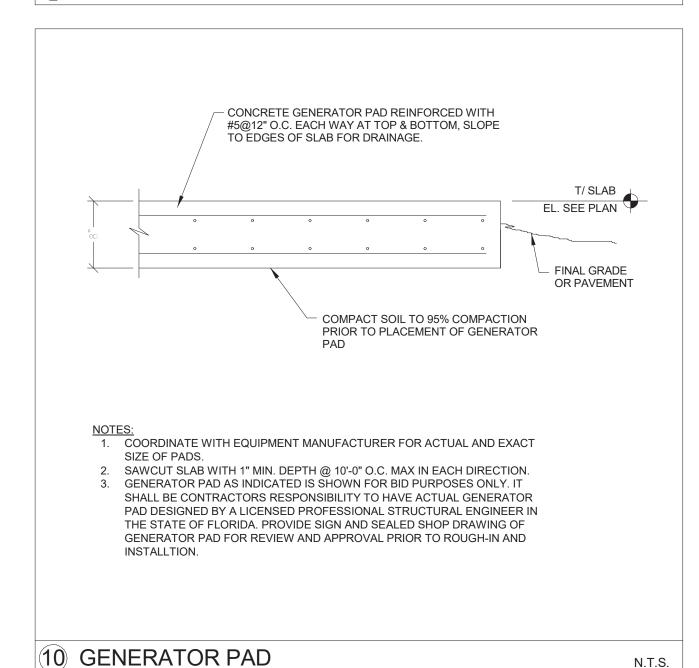


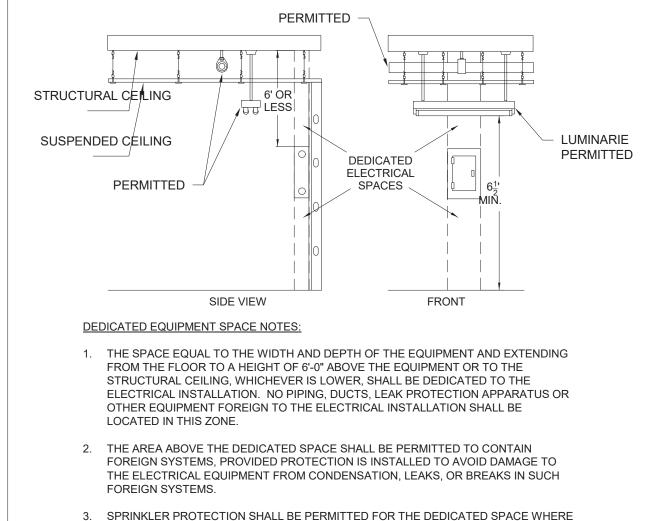
GENERATOR SYSTEM REQUIREMENTS: NFPA 110 LEVEL-NFPA 110 CLASS--NFPA 110 TYPE--GENERATOR SET MODEL--500REOZVC KW @ 130C RISE----- 475 KW KVA @ 0.8 PF---594 KVA VOLTAGE-----120/208 VOLTS, 3 PHASE, 60HZ PEAK MOTOR STARTING KVA @ 35% MAXIMUM INSTANTANEOUS VOLTAGE DIP 1350 KVA ALTERNATOR----5M4027 FREQUENCY REGULATION-±.25% CONTROLLER MODEL-- CRITICAL GRADE MUFFLER MUFFI FR----LEVEL 2 ACOUSTIC ENCLOSURE, HURRICANE RATED 186MPH ENCLOSURE---REMOTE ANNUNCIATOR--- LOBBY ENGINE BHP@ 1800 RPM---FREQUENCY / SPEED REGULATION---ISOCHRONOUS CIRCUIT BREAKER #1 AMPS--1200A SHUNT TRIP--N/A GFI INDICATION-FUEL TYPE---DIESEL, PROVIDE FULL TANK UL-142 SUBBASE FUEL TANK CAPACITY--MINIMUM 1038 GALLONS YES, 3'-6" CLEAR, ONE SIDE, BOTH SIDES SUBBASE TANK EQUIPPED WITH STAIRS--HOURS OF RUN TIME--- 24 HOURS G-03AUS-A-3-1200-C-GX-C ASCO ATS MODEL AMPERAGE---- 1200A -- 120/208 VOLTS, 3 PHASE, 60HZ VOLTAGE----NEMA TYPE ENCLOSURE-- TYPE 3R SERVICE ENTRANCE RATED-- YES INTEGRAL CIRCUIT BREAKER-- 1200A ACCESSORIES----(6) PROGRAMMABLE INPUT/OUTPUT

*EQUIPMENT LISTED IS MANUFACTURED BY KOHLER KOHLER, WISCONSIN, FOR THE PURPOSE OF ESTABLISHING A MINIMUM STANDARD. SUBSTITUTIONS BY GENERAC, CUMMINS/ONAN, CATEPILLAR OR MTU ONSITE ENEGY ARE PERMISSIBLE GIVEN THAT ALL EQUIPMENT FURNISHED SHALL BE EQUAL IN EVERY RESPECT TO KOHLER. THIS SHALL INCLUDE QUALITY, SPECIFICATIONS, OPERATION AND FUNCTION TO BE CONSIDERED. THE EQUIPMENT SPACING, ELECTRICAL WIRING, EQUIPMENT MECHANICAL, FUEL AND EXHAUST COMPONENTS HAVE ALL BEEN SIZED AND DESIGNED AROUND KOHLER EQUIPMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CHANGE IN BUILDING WORK MADE NECESSARY FOR THE PROPER INSTALLATION AND OPERATION OF ANY EQUIPMENT OTHER THEN KOHLER WITH OUT ADDITIONAL COST TO THE OWNER. FUEL TANKS LARGER THAN 550 GALLONS SHALL BE REGISTERED WITH THE FDEP (THE STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION).

(2) GENERATOR SYSTEM REQUIREMENTS

N.T.S.

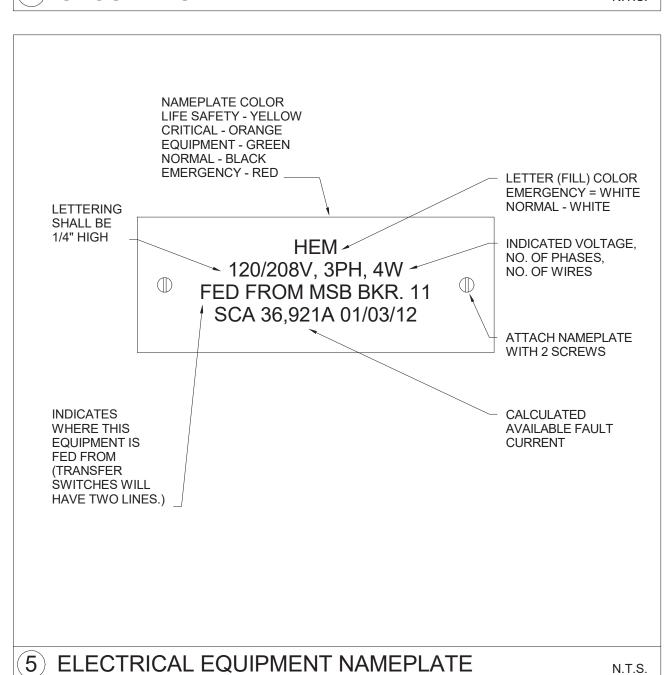


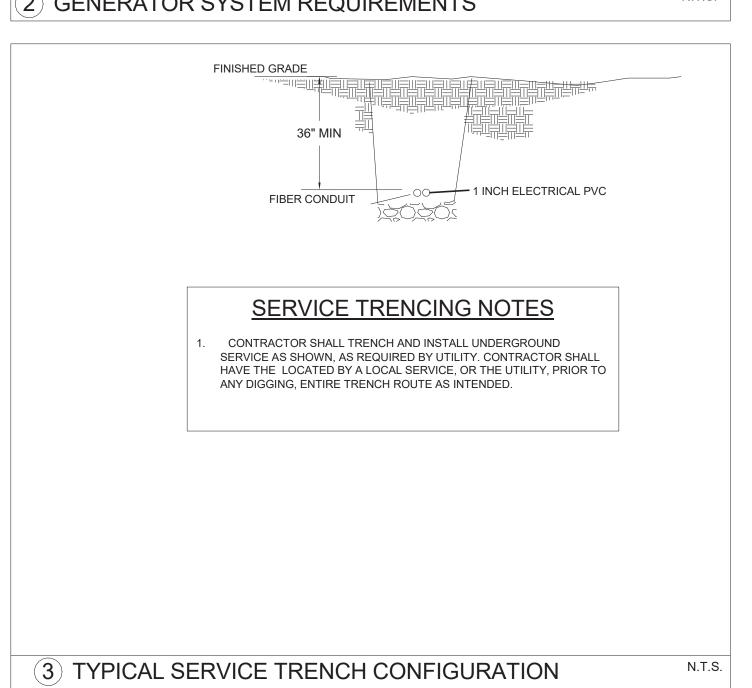


4. A DROPPED, SUSPENDED, OR SIMILAR CEILING THAT DOES NOT ADD STRENGTH TO THE BUILDING STRUCTURE SHALL NOT BE CONSIDERED A STRUCTURAL CEILING.

THE PIPING COMPLIES WITH THESE NOTES.

7 DEDICATED ELECTRICAL SPACES





THE GROUP



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ELECTRONICALLY



COA # 8304

DETAIL

ELECTRIC

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Switchboard: MDP

Location: Space 23 Supply From: **Mounting:** FLOOR Enclosure: NEMA1

Volts: 208Y/120 Phases: 3 Wires: 4

A.I.C. Rating: 65K AIC Mains Type: Mains Rating: 1200.0 A MCB Rating: 1200.0 A

СКТ	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	EXISTING RTU-2 (*)	3	200.0 A	200.0 A	60885 VA	
2	EXISTING RTU-1 (*)	3	200.0 A	200.0 A	60885 VA	
3	SURGE PROTECTION	3	60.0 A	60.0 A	0 VA	
4	EXISTING ELEVATOR	3	100.0 A	100.0 A	28821 VA	
5	NEW PANEL 'B'	3	100.0 A	100.0 A	17535 VA	
6	NEW PANEL 'A'	3	100.0 A	100.0 A	22885 VA	
7	NEW PANEL 'D'	3	100.0 A	100.0 A	27859 VA	
8	NEW PANEL 'C'	3	100.0 A	100.0 A	29835 VA	
9	Existing Load (*)	3	200.0 A	200.0 A	50500 VA	
10	Existing Load (*)	3	200.0 A	200.0 A	50500 VA	
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
			To	tal Conn. Load:	349705 VA	
				Total Amps:	970.7 A	_

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel	Totals
Power	37470 VA	100.00%	37470 VA		
LITES	6544 VA	125.00%	8180 VA	Total Conn. Load:	349705 VA
AC	124890 VA	112.19%	140111 VA	Total Est. Demand:	381822 VA
Elevator	28821 VA	100.00%	28821 VA	Total Conn.:	970.7 A
Existing Load	109000 VA	125.00%	136250 VA	Total Est. Demand:	1059.8 A
₹	33980 VA	64.71%	21990 VA		
Continuous	9000 VA	100.00%	9000 VA		

(*)- VERIFY EXISTING BREAKER SIZE FOR THE EXISTING EQUIPMENT PRIOR TO ORDERING AND FURNISHING NEW BREAKER INSIDE NEW PANEL FOR THE RESPECTIVE EX EQUIPMENT

Branch Panel: B

A.I.C. Rating: 65K AIC Location: Space 23 Volts: 208Y/120 Supply From: MDP Phases: 3 Mains Type: MLO Mounting: SURFACE Mains Rating: 100 A Wires: 4 Enclosure: NEMA1 **Ground Bus:** Bus Rating: 100 A GFP: No

					Conduit/							Conduit/					
CCT	Circuit Description	Rating	Poles	S	WireSize	Α	В	С	Α	В	С	WireSize	S	Poles	Rating	-	CCT
1	RECEPTS RM 115	20 A	1		C2-20	1080 VA			459 VA			C2-20		1	20 A	1ST FLOOR LIGHTING	2
3	RECEPTS RM 113	20 A	1		C2-20		1440 VA			612 VA		C2-20		1	20 A	1ST FLOOR LIGHTING	4
5	RECEPTS RMS 114, 118	20 A	1		C2-20			720 VA			210 VA	C2-20		1	20 A	1ST FLOOR LIGHTING	6
7	RECEPTS GFCI RM 119,120	20 A	1		C2-20	540 VA			144 VA			C2-20		1	20 A	1ST FLOOR LIGHTING	8
9	RECEPTS RMS 121, 122	20 A	1		C2-20		900 VA			340 VA		C2-20		1	20 A	1ST FLOOR LIGHTING	10
11	RECEPTS RMS 105, 118	20 A	1		C2-20			1260 VA			140 VA	C2-20		1	20 A	1ST FLOOR LIGHTING	12
13	RECEPTS RMS 111, 112	20 A	1		C2-20	900 VA			130 VA			C2-20		1	20 A	EXTERIOR LIGHTING	14
15	RECEPTS RM 108	20 A	1		C2-20		1260 VA			0 VA				1	20 A	SPARE	16
17	RECEPTS RMS 106, 107	20 A	1		C2-20			900 VA			2250 VA	C3-30		2	25 A	IWH IN WOMEN RR. 120	18
19	Existing Load (If any)	20 A	1		C2-20	500 VA			2250 VA			U3-30			25 A	IVIT IN WOWEN RR. 120	20
21	Existing Load (If any)	20 A	1		C2-20		500 VA			500 VA		C2-20		1	20 A	Existing Load (If any)	22
23	SPARE	20 A	1					0 VA			500 VA	C2-20		1	20 A	Existing Load (If any)	24
25	SPARE	20 A	1			0 VA			0 VA					1	20 A	SPARE	26
27	SPARE	20 A	1				0 VA			0 VA				1	20 A	SPARE	28
29	SPARE	20 A	1					0 VA			0 VA			1	20 A	SPARE	30
31									0 VA					1	20 A	SPARE	32
33																	34
35																	36
37																	38
39																	40
41																	42
		•		•	`	6003	3 VA	5552	2 VA	598	0 VA						
						50.	6 A	46.	3 A	50.	.4 A	-					

	50.0 F	40.3 A	30.4 A		
Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel	Totals
Existing Load	2000 VA	125.00%	2500 VA		
R	9000 VA	100.00%	9000 VA	Total Conn. Load:	17535 VA
LITES	2035 VA	125.00%	2544 VA	Total Est. Demand:	18544 VA
Continuous	4500 VA	100.00%	4500 VA	Total Conn.:	48.7 A
				Total Est. Demand:	51.5 A

Motor = LARGEST MOTOR
MN = MOTOR (NON-SEASONAL)
L = LIGHTING (CONTINUOUS)
R = RECEITMENTS

C = CONTINUOUS PN = POWER NON-SEASONAL (NON-CONTINUOUS) VT = VERTICAL TRANSPORTATION

Branch Panel: A

Location: Space 20 Supply From: MDP Mounting: SURFACE Enclosure: NEMA1

Volts: 208Y/120 Phases: 3 Wires: 4 **Ground Bus:**

A.I.C. Rating: 10K AIC Mains Type: MLO Mains Rating: 100 A Bus Rating: 100 A GFP: No

ССТ	Circuit Description	Rating	Poles	Conduit/ WireSize	Α	В	С	A	В	С	Conduit/ WireSize	1	Rating	Circuit Description	ССТ
	RECEPT RM 123	20 A	1	C2-20	180 VA	_		880 VA	_		C2-20	1	20 A	1ST FLOOR LIGHTING	2
	RECEPTS RMS 101, 105	20 A	1	C2-20		720 VA			243 VA		C2-20	1	20 A	1ST FLOOR LIGHTING	4
5	RECEPT RM 128	20 A	1	C2-20			180 VA			192 VA	C2-20	1	20 A	1ST FLOOR LIGHTING	6
7	RECEPT RM 102	20 A	1	C2-20	1080 VA			70 VA			C2-20	1	20 A	1ST FLOOR LIGHTING	8
9	RECEPT RM 103	20 A	1	C2-20		1440 VA			130 VA		C2-20	1	20 A	EXTERIOR LIGHTING	10
11				C2-20						360 VA	C2-20	1	20 A	FIRE ALARM ANNUNCIATER	12
13	EWC	20 A	1	C2-20	1000 VA			4803 VA						DEDICATED CIRCUIT FOR	14
15	Existing Load (If any)	20 A	1	C2-20		500 VA			4803 VA		C4-60	3	50 A	COMM RACK	16
17	Existing Load (If any)	20 A	1	C2-20			500 VA			4803 VA					18
	SPARE	20 A	1		0 VA			500 VA			C2-20	1	20 A	Existing Load (If any)	20
	SPARE	20 A	1			0 VA			500 VA		C2-20	1	20 A	Existing Load (If any)	22
	SPARE	20 A	1				0 VA			0 VA		1	20 A	SPARE	24
25	SPARE	20 A	2		0 VA			0 VA				1	20 A	SPARE	26
27	OI / II CE	2071				0 VA			0 VA			1	20 A	SPARE	28
29	SPARE	20 A	2				0 VA			0 VA		2	30 A	SPARE	30
31	OI / II C	2071			0 VA			0 VA					0071	OI / II C	
33															34
35															36
37															38
39															40
41															42

41														42
			8513	VA	833	3 VA	603	5 VA						
			73.9	9 A	72.	4 A	50.	3 A						
Load Classification		Connect	ed Load	D	emand Fa	ctor	Estimate	ed Deman	ıd		Р	anel 1	Γotals	
Existing Load		2000) VA		125.00%	1	250	00 VA						
Power		1441	0 VA		100.00%	,	144	110 VA		7	Γotal Conn. L	oad:	22885 VA	
₹		4960) VA		100.00%		490	60 VA		To	otal Est. Dem	and:	23764 VA	
LITES		151	5 VA		125.00%		189	94 VA			Total Co	nn.:	63.5 A	
										To	otal Est. Dem	and:	66.0 A	

Motor = LARGEST MOTOR MN = MOTOR (NON-SEASONAL) L = LIGHTING (CONTINUOUS) R = RECEPTACLE C = CONTINUOUS

PN = POWER NON-SEASONAL (NON-CONTINUOUS) VT = VERTICAL TRANSPORTATION

Branch Panel: C

Location: Space 61 Supply From: MDP Mounting: SURFACE Enclosure: NEMA1

Volts: 208Y/120 Phases: 3 Wires: 4 **Ground Bus:**

A.I.C. Rating: 10K AIC Mains Type: MLO Mains Rating: 100 A Bus Rating: 100 A GFP: No

ССТ	Circuit Deceription	Dating	Doloo		Conduit/ WireSize	^	В	С	Δ.	В	С	Conduit/ WireSize		Doloo	Detina	Circuit Description	ССТ
ССТ	Circuit Description	Rating	Poles	S		Α		U	Α				5	Poles	Rating	•	
	RECEPTS RM 204	20 A	1		C2-20	720 VA			496 VA			C2-20		1		2ND FLOOR LIGHTING	2
_	RECEPTS RM 203	20 A	1		C2-20		720 VA			423 VA		C2-20		1		2ND FLOOR LIGHTING	4
5	RECEPTS RM 203	20 A	1		C2-20			360 VA			786 VA	C2-20		1	20 A	2ND FLOOR LIGHTING	6
7	RECEPTS RM 203	20 A	1		C2-20	360 VA			140 VA			C2-20		1	20 A	2ND FLOOR LIGHTING	8
9	RECEPTS HALL 213	20 A	1		C2-20		720 VA			360 VA		C2-20		1	20 A	FIRE ALARM CONTROL	10
11	RECEPTS RM 222	20 A	1		C2-20			1440 VA			360 VA	C2-20		1	20 A	FIRE SUPPRESSION	12
13	RECEPTS RM 222	20 A	1		C2-20	1260 VA			4803 VA							DEDICATED OIDOUT FOR	14
15	RECEPT RM 223	20 A	1		C2-20		180 VA			4803 VA		C4-60		3	50 A	DEDICATED CIRCUIT FOR	16
17	RECEPTS RM 226	20 A	1		C2-20			540 VA			4803 VA					THE COMM RACK	18
19	RECEPTS RM 201	20 A	1		C2-20	540 VA			1560 VA			00.00		_	20.4	EVICTING MINUSPLIT (*)	20
21	RECEPTS RM 202	20 A	1		C2-20		900 VA			1560 VA		C3-20		2	20 A	EXISTING MINISPLIT (*)	22
23	Existing Load (If any)	20 A	1		C2-20			500 VA			500 VA	C2-20		1	20 A	Existing Load (If any)	24
25	Existing Load (If any)	20 A	1		C2-20	500 VA			500 VA			C2-20		1	20 A	Existing Load (If any)	26
27	SPARE	20 A	1				0 VA			0 VA				1	20 A	SPARE	28
29	SPARE	20 A	1					0 VA			0 VA			1	20 A	SPARE	30
31	SPARE	20 A	1			0 VA			0 VA					1	20 A	SPARE	32
33	SPARE	20 A	1				0 VA			0 VA				1	20 A	SPARE	34
35																	36
37																	38
39																	40
41																	42
		1		1	'	1087	9 VA	9666	S VA	9289) VA	1				1	

	91.1 <i>A</i>	81.0 A	77.4 A		
oad Classification	Connected Load	Demand Factor	Estimated Demand	Panel	Totals
xisting Load	2000 VA	125.00%	2500 VA		
Power	14410 VA	100.00%	14410 VA	Total Conn. Load:	29835 VA
AC .	3120 VA	125.00%	3900 VA	Total Est. Demand:	31576 VA
2	8460 VA	100.00%	8460 VA	Total Conn.:	82.8 A
ITES	1845 VA	125.00%	2306 VA	Total Est. Demand:	87.6 A

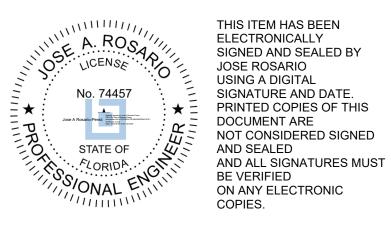
Notes: (*) - VERIFY EXISTING BREAKER SIZE FEEDING EXISTING EQUIPMENT PRIOR TO ORDERERING AND FURNISHING NEW BREAKER INSIDE NEW PANEL FOR RESPECTIVE EX...

Motor = LARGEST MOTOR
MN = MOTOR (NON-SEASONAL)
L = LIGHTING (CONTINUOUS)
R = RECEIVACIE

C = CONTINUOUS

PN = POWER NON-SEASONAL (NON-CONTINUOUS) VT = VERTICAL TRANSPORTATION

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#	ISSUED FOR	DATE
	DD SET	04.25.23
	90% REVIEW	05.15.23
	PERMIT	05.31.23

SCHEDULES

PANEL

DRAWN BY: SK REVIEW BY: JAR

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Branch Panel: D

Location: Space 43 Supply From: MDP Mounting: SURFACE Enclosure: NEMA1

Volts: 208Y/120 Phases: 3 Wires: 4 **Ground Bus:**

A.I.C. Rating: 22K AIC Mains Type: MLO Mains Rating: 100 A Bus Rating: 100 A GFP: No

ССТ	Circuit Description	Rating		Option s	Conduit/ WireSize	Α	В	С	Α	В	С	Conduit/ WireSize		Rating	Circuit Description	ССТ
1	RECEPTS RM 217	20 A	1		C2-20	720 VA			440 VA			C2-20	1	20 A	2ND FLOOR LIGHTING	2
3	RECEPTS RMS 214, 215	20 A	1		C2-20		1080 VA			323 VA		C2-20	1	20 A	2ND FLOOR LIGHTING	4
5	RECEPTS RMS 208, 209, 211	20 A	1		C2-20			540 VA			246 VA	C2-20	1	20 A	2ND FLOOR LIGHTING	6
7	RECEPTS RM 214	20 A	1		C2-20	900 VA			140 VA			C2-20	1	20 A	2ND FLOOR LIGHTING	8
9	RECEPT RM 210	20 A	1		C2-20		180 VA			1000 VA		C2-20	1	20 A	EWC	10
11	RECEPTS RM 218	20 A	1		C2-20			720 VA			2883 VA				DEDICATED CIDCUIT FOR	12
13	RECEPTS RM 219	20 A	1		C2-20	720 VA			2883 VA			C4-30	3	30 A	DEDICATED CIRCUIT FOR THE COMM RACK	14
15	RECEPTS RM 220	20 A	1		C2-20		720 VA			2883 VA					THE COMINI RACK	16
17	RECEPT REF. RM 221	20 A	1		C2-20			1200 VA			500 VA	C2-20	1	20 A	Existing Load (If any)	18
19	RECEPT COFFEE RM 221	20 A	1		C2-20	1800 VA			500 VA			C2-20	1	20 A	Existing Load (If any)	20
21	RECEPTS RM 221	20 A	1		C2-20		360 VA			500 VA		C2-20	1	20 A	Existing Load (If any)	22
23	RECEPTS RM 221	20 A	1		C2-20			540 VA			500 VA	C2-20	1	20 A	Existing Load (If any)	24
25	RECEPT RM 206	20 A	1		C2-20	180 VA			0 VA				1	20 A	SPARE	26
27	RECEPTS RM 205	20 A	1		C2-20		540 VA			0 VA			1	20 A	SPARE	28
29	RECEPTS HALL 213	20 A	1		C2-20			360 VA			0 VA		1	20 A	SPARE	30
31	WH-1	30 A	2		C3-30	2250 VA			0 VA				1	20 A	SPARE	32
33	VV -	30 A	2		C3-30		2250 VA			0 VA			1	20 A	SPARE	34
35	SPARE	20 A	1					0 VA			0 VA		1	20 A	SPARE	36
37	SPARE	20 A	1			0 VA			0 VA				1	20 A	SPARE	38
39																40
41																42
						1053	3 VA	983	6 VA	7489	9 VA		•			
i					'	90.	8 A	85.	0 A	62.	4 A					

	90.8 A	85.0 A	62.4 A			
Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel	Totals	
Existing Load	2000 VA	125.00%	2500 VA			
Power	8650 VA	100.00%	8650 VA	Total Conn. Load:	27859 VA	
R	11560 VA	93.25%	10780 VA	Total Est. Demand:	27866 VA	
LITES	1149 VA	125.00%	1436 VA	Total Conn.:	77.3 A	
Continuous	4500 VA	100.00%	4500 VA	Total Est. Demand:	77.3 A	

Motor = LARGEST MOTOR
MN = MOTOR (NON-SEASONAL)
L = LIGHTING (CONTINUOUS)

R = RECEPTACLE

C = CONTINUOUS

PN = POWER NON-SEASONAL (NON-CONTINUOUS) VT = VERTICAL TRANSPORTATION

							2	208V FE	EDER S	SCHEDULE							
Feeder	Feeder	Design	Breaker	Poles	Neutral	200%N	Feeder	Number	Wires	Neutral Conductors	Wire	Grou	und	Co	nduit	Voltage Drop	Fault
Termination	Source	Load KVA	Size Amps	Foles	(Y/N)	(Y/N)	Material	of Runs	per Run	per Run	Size	Size	Туре	Size	Туре	Voltage Drop	Current kAIC
ATS	EXISTING XFMR	360	1200	3	N	N	Cu	4	3	350 KCMIL	350 KCMIL	None	None	3"	PVC	0.142%	44.52
MDP	ATS	360	1200	3	Y	N	Cu	4	3	350 KCMIL	350 KCMIL	3/0 AWG	E.G.	3"	EMT	0.183%	43.49
Α	MDP	30	100	3	Y	N	Cu	1	3	#3 AWG	#3 AWG	#8 AWG	E.G.	1 1/4"	EMT	1.744%	5.56
В	MDP	30	100	3	Y	N	Cu	1	3	#3 AWG	#3 AWG	#8 AWG	E.G.	1 1/4"	EMT	0.200%	40.43
С	MDP	30	100	3	Y	N	Cu	1	3	#3 AWG	#3 AWG	#8 AWG	E.G.	1 1/4"	EMT	1.918%	5.07
D	MDP	30	100	3	Y	N	Cu	1	3	#3 AWG	#3 AWG	#8 AWG	E.G.	1 1/4"	EMT	0.617%	15.02

		BRANCH CIRCUIT COPPER WIRE AND CONDUIT SCHEDULE								
		3	Phase, 4 Wire		3 or	1 Phase, 3 Wire		1	Phase, 2 Wire	
Designation	Parallel	Conductors		Conduit	Conductors		Conduit	Conductors		Conduit
Designation	Runs	(AWG/kcmil)	Equipment Ground (AWG/kcmil)		(AWG/kcmil)	Equipment Ground (AWG/kcmil)		(AWG/kcmil)	Equipment Ground (AWG/kcmil)	
C20	1	4 # 12	1 # 12	3/4"	3 # 12	1 # 12	3/4"	2 # 12	1 # 12	3/4"
C30	1	4 # 10	1 # 10	3/4"	3 # 10	1 # 10	3/4"	2 # 10	1 # 10	3/4"
C60	1	4#6	1 # 10	1"	3#6	1 # 10	1"	2#6	1 # 10	1"
C100	1	4 # 3	1#8	1-1/2"	3 # 3	1#8	1-1/2"	2#3	1#8	1"
C110	1	4 # 2	1#6	1-1/2"	3#2	1#6	1-1/2"	2#2	1#6	1-1/2"
C200	1	4 # 3/0	1#6	2"	3 # 3/0	1#6	2"	2 # 3/0	1#6	2"
Notes										

1. All conductors indicated in schedule shall be copper. 2. C2 denotes 1 Phase,2 Wire. C3 denotes 1 Phase,3 Wire. C4 denotes 3 Phase,4 Wire.

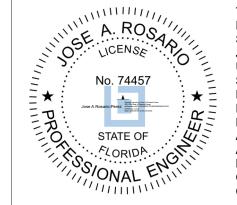
TYPE	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	LAMPS TYPE	VOLTS	MOUNTING	REMARKS	BALLAST/ TRANSFORMER	INPU WAT
А	DAYBRITE	2FGX G 48L 835 4 RS UNV DIM	2X4 TROFFER, CENTER DIFFUSER, 4800 LUMENS, 85,000 HOUR L70 PREDICTED LIFE, 5 YEAR WARRANTY	80CRI/3500K	UNV	RECESSED		0-10V/5%	36
AE	DAYBRITE	2FGX G 48L 835 4 RS UNV DIM BSL10LST	2X4 TROFFER, CENTER DIFFUSER, 4800 LUMENS, 85,000 HOUR L70 PREDICTED LIFE, 5 YEAR WARRANTY, EMERGENCY BATTERY BACKUP	80CRI/3500K	UNV	RECESSED		0-10V/5%	3
В	HE WILLIAMS	4DR TL L20 835 DIM UNV O M OF CS N F1	4" DOWNLIGHT, 2000 LUMEN, CLEAR SEMI SPECULAR REFLECTOR, SELF FLANGED, 55,000 HOUR L90 RATED LIFE, 5 YEAR WARRANTY, DESIGNED AND MANUFACTURED IN THE USA	80CRI/3500K	UNV	RECESSED		0-10V/10%	2
BE	HE WILLIAMS	4DR TL L20 835 EM/10W DIM UNV O M OF CS N F1	4" DOWNLIGHT, 2000 LUMEN, CLEAR SEMI SPECULAR REFLECTOR, SELF FLANGED, 55,000 HOUR L90 RATED LIFE, 5 YEAR WARRANTY, EMERGENCY BATTERY BACKUP DESIGNED AND MANUFACTURED IN THE USA	80CRI/3500K	UNV	RECESSED		0-10V/10%	2
С	FINELITE	HP4 ID ROW S B 835 TG F 96LF VOLT SC FC10% FA50 XX XX	4" INDIRECT/DIRECT, 895 LUMENS/FT, 200,000 HOU RL70 RATED LIFE, 10 YEAR WARRANTY	80CRI/3500K	UNV	SUSPEND 9.5' AFF	WITH EM BATTERY AS INDICATED ON PLANS	0-10V/10%	9W
D	FINELITE	HP4R D ROW B 835 F 96LG VOLT SC FC10% XX W	4" RECESSED SLOT LIGHT, 479 LUMENS/FT, 200,000 HOUR L70 RATED LIFE, 10 YEAR WARRANTY	80CRI/3500K	UNV	RECESSED	WITH EM BATTERY AS INDICATED ON PLANS	0-10V/10%	5W
F	HE WILLIAMS	75S 4 L50 835 DIM UNV	4' STRIP, 5000 LUMENS, 50,000 HOUR L70 RATED LIFE, 5 YEAR WARRANTY	80CRI/3500K	UNV	SURFACE		0-10V/10%	3
FE	HE WILLIAMS	75S 4 L50 835 EM/10WLP DIM UNV	4' STRIP, 5000 LUMENS, 10 WATT EMERGENCY BATTERY BACK UP, 50,000 HOUR L70 RATED LIFE, 5 YEAR WARRANTY	80CRI/3500K	UNV	SURFACE		0-10V/10%	3
М	TRULY GREEN SOLUTIONS	VF1 3630 3CCT BN	3' VANITY, 2100 LUMENS, WHITE OPAL LENS, SATIN NICKEL FINISH, 50,000 HOUR L70 RATED LIFE, 5 YEAR WARRANTY	90CRI/3000K/4000K/5000K	120V	WALL MOUNT 8'-0" AFF CENTER OVER SINK		TRIAC	3
GE	HE WILLIAMS	SLF 4 L98 835 HIA EM/10W XX XX DIM UNV	4' STAIR LIGHT, 16 GA CRS, HIGH IMPACT FROSTED LENS, 9800 LUMENS, 50,000 HOUR L70 RATED LIFE, 5 YEAR WARRANTY, EMERGENCY BATTERY BACKUP.	80CRI/3500K	UNV	SURFACE	REPLACE EXISTING ONE FOR ONE USING SAME LOCATIONS	0-10V/10%	7
KE	TRULY GREEN SOLUTIONS	WPFS S LC UD WP-PH EM	WALL PACK, SLIM FULL CUT OFF, 9620 LUMENS, 50,000 HOUR L70 RATED LIFE, 5 YEAR WARRANTY, WET LOCATION	70CRI/4000K	UNIV	WALL MOUNT 9'-0" AFF		NON DIM	(
Х	BEGHELLI	PX R SA	EXIT, WHITE THERMOPLASTIC, RED LETTERS, UNIVERSAL MOUNTING	NA	UNV	SURFACE		NA	

LIGHTING SCHEDULE NOTES: 1. ALL LAMPS SHALL BE 80+ CRI AND 3500K UNLESS NOTED OTHERWISE.

2. OTHER FIXTURES MAY BE SUBMITTED FOR APPROVAL UP TO 10 WORKING DAYS PRIOR TO BID DATE, TO ALLOW FOR PROPER EVALUATION. SUBMISSIONS WITHIN 10 WORKING DAYS PRIOR TO BID DATE WILL NOT BE EVALUATED. EQUIPMENT IS

3 CONTRACTOR TO PROVIDE ALL NECESSARY CONNECTIONS PER ROW OF FIXTURES 4 FIXTURES DENOTION ENDING WITH 'E' SHALL HAVE NFPA 101 EMERGENCY BATTERY BACKUP.

THE GROUP



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	90% REVIEW	05.15.23
	PERMIT	05.31.23

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