



BUILDING CODE INFORMATION

GOVERNING CODES:
2004 FLORIDA BUILDING CODE

PLAN REVIEWING AGENCY:
CITY OF SATELLITE BEACH, FLORIDA

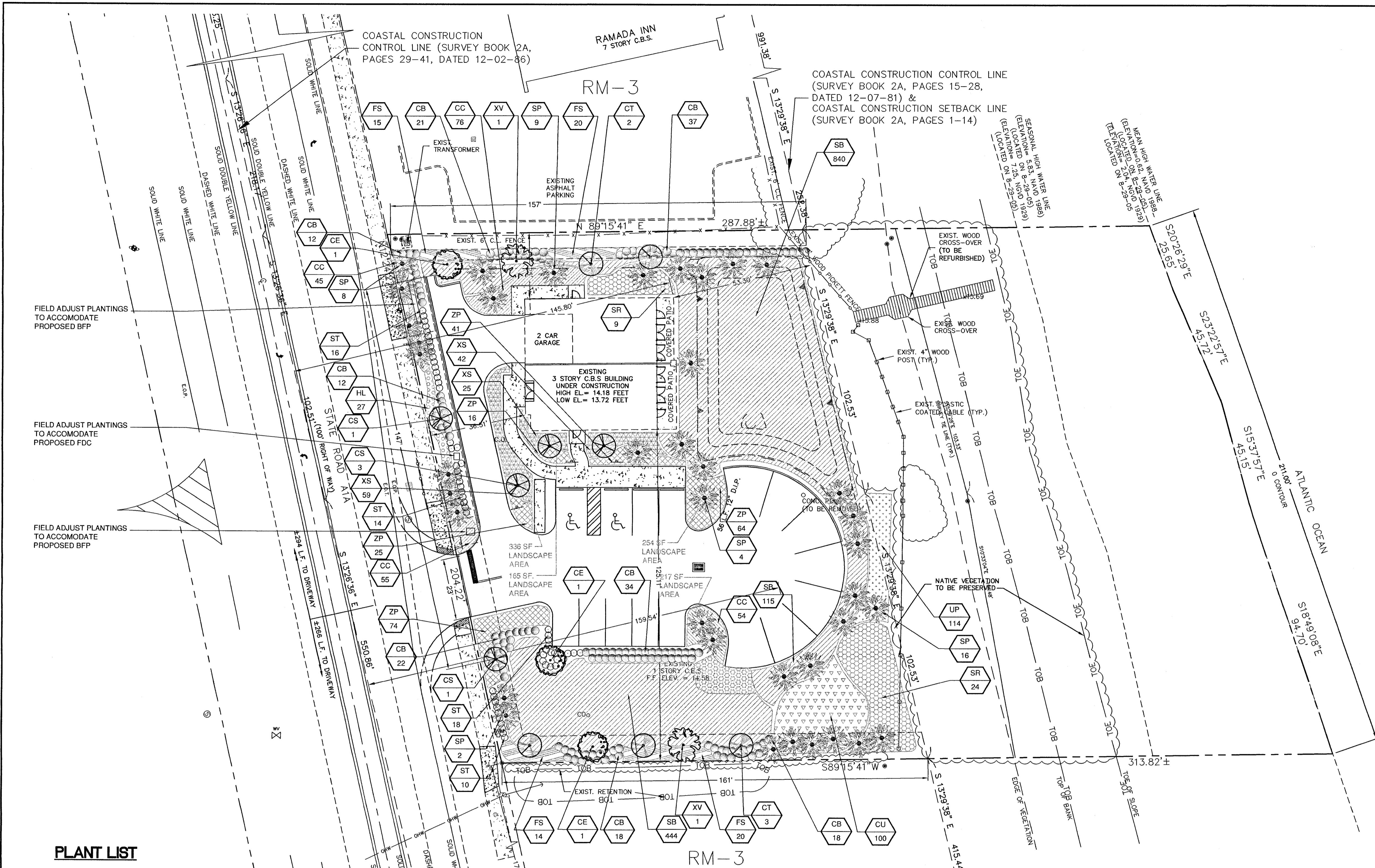
BUILDING CLASSIFICATION:
OCCUPANCY: MIXED USE - BUSINESS (GROUP B) 4
RESIDENTIAL (RS) 4 LOW HAZARD STORAGE (S-2)

CONSTRUCTION TYPE:
TYPE VB, SPRINKLED

FINISHES:
ALL INTERIOR FINISHES TO BE CLASS A OR B IN ACCORDANCE WITH FBC CH. 8

ABBREVIATIONS

AB.	ANCHOR BOLT	MANF.	MANUFACTURER
ADA.	APPROVED WITH DISABILITIES ACT	MAN.	MANHOLE
ALL.	AIR HANDLER UNIT	MR.	MURDER
ALU.	ALUMINUM	MR.	MURDER/AMBUS
AS.	ASBESTOS	MR.	MURDER
BD.	BOARD	MR.	MURDER
BL.	BLOCK	MR.	MURDER
BO.	BOILER	MR.	MURDER
BR.	BRAKE	MR.	MURDER
BS.	BUS	MR.	MURDER
BT.	BUTTON	MR.	MURDER
BU.	BURIED	MR.	MURDER
CA.	CABLE	MR.	MURDER
CB.	CABLE	MR.	MURDER
CC.	CONCRETE	MR.	MURDER
CD.	CLAY	MR.	MURDER
CE.	CEMENT	MR.	MURDER
CF.	CORNER	MR.	MURDER
CG.	CONCRETE	MR.	MURDER
CH.	CHIMNEY	MR.	MURDER
CI.	CORNER	MR.	MURDER
CL.	CLAY	MR.	MURDER
CM.	CONCRETE	MR.	MURDER
CO.	CORNER	MR.	MURDER
CP.	CORNER	MR.	MURDER
CQ.	CORNER	MR.	MURDER
CR.	CORNER	MR.	MURDER
CS.	CORNER	MR.	MURDER
CT.	CORNER	MR.	MURDER
CU.	CORNER	MR.	MURDER
CV.	CORNER	MR.	MURDER
CW.	CORNER	MR.	MURDER
CX.	CORNER	MR.	MURDER
CY.	CORNER	MR.	MURDER
CZ.	CORNER	MR.	MURDER
DA.	DRAWING	MR.	MURDER
DB.	DRAWING	MR.	MURDER
DC.	DRAWING	MR.	MURDER
DD.	DRAWING	MR.	MURDER
DE.	DRAWING	MR.	MURDER
DF.	DRAWING	MR.	MURDER
DG.	DRAWING	MR.	MURDER
DH.	DRAWING	MR.	MURDER
DI.	DRAWING	MR.	MURDER
DJ.	DRAWING	MR.	MURDER
DK.	DRAWING	MR.	MURDER
DL.	DRAWING	MR.	MURDER
DM.	DRAWING	MR.	MURDER
DN.	DRAWING	MR.	MURDER
DO.	DRAWING	MR.	MURDER
DP.	DRAWING	MR.	MURDER
DQ.	DRAWING	MR.	MURDER
DR.	DRAWING	MR.	MURDER
DS.	DRAWING	MR.	MURDER
DT.	DRAWING	MR.	MURDER
DU.	DRAWING	MR.	MURDER
DV.	DRAWING	MR.	MURDER
DW.	DRAWING	MR.	MURDER
DX.	DRAWING	MR.	MURDER
DY.	DRAWING	MR.	MURDER
DZ.	DRAWING	MR.	MURDER
EA.	ELECTRICAL	MR.	MURDER
EB.	ELECTRICAL	MR.	MURDER
EC.	ELECTRICAL	MR.	MURDER
ED.	ELECTRICAL	MR.	MURDER
EE.	ELECTRICAL	MR.	MURDER
EF.	ELECTRICAL	MR.	MURDER
EG.	ELECTRICAL	MR.	MURDER
EH.	ELECTRICAL	MR.	MURDER
EI.	ELECTRICAL	MR.	MURDER
EJ.	ELECTRICAL	MR.	MURDER
EK.	ELECTRICAL	MR.	MURDER
EL.	ELECTRICAL	MR.	MURDER
EM.	ELECTRICAL	MR.	MURDER
EN.	ELECTRICAL	MR.	MURDER
EO.	ELECTRICAL	MR.	MURDER
EP.	ELECTRICAL	MR.	MURDER
EQ.	ELECTRICAL	MR.	MURDER
ER.	ELECTRICAL	MR.	MURDER
ES.	ELECTRICAL	MR.	MURDER
ET.	ELECTRICAL	MR.	MURDER
EU.	ELECTRICAL	MR.	MURDER
EV.	ELECTRICAL	MR.	MURDER
EW.	ELECTRICAL	MR.	MURDER
EX.	ELECTRICAL	MR.	MURDER
EY.	ELECTRICAL	MR.	MURDER
EZ.	ELECTRICAL	MR.	MURDER
FA.	FLOORING	MR.	MURDER
FB.	FLOORING	MR.	MURDER
FC.	FLOORING	MR.	MURDER
FD.	FLOORING	MR.	MURDER
FE.	FLOORING	MR.	MURDER
FF.	FLOORING	MR.	MURDER
FG.	FLOORING	MR.	MURDER
FH.	FLOORING	MR.	MURDER
FI.	FLOORING	MR.	MURDER
FJ.	FLOORING	MR.	MURDER
FK.	FLOORING	MR.	MURDER
FL.	FLOORING	MR.	MURDER
FM.	FLOORING	MR.	MURDER
FN.	FLOORING	MR.	MURDER
FO.	FLOORING	MR.	MURDER
FP.	FLOORING	MR.	MURDER
FQ.	FLOORING	MR.	MURDER
FR.	FLOORING	MR.	MURDER
FS.	FLOORING	MR.	MURDER
FT.	FLOORING	MR.	MURDER
FU.	FLOORING	MR.	MURDER
FV.	FLOORING	MR.	MURDER
FW.	FLOORING	MR.	MURDER
FX.	FLOORING	MR.	MURDER
FY.	FLOORING	MR.	MURDER
FZ.	FLOORING	MR.	MURDER
GA.	GLASS	MR.	MURDER
GB.	GLASS	MR.	MURDER
GC.	GLASS	MR.	MURDER
GD.	GLASS	MR.	MURDER
GE.	GLASS	MR.	MURDER
GF.	GLASS	MR.	MURDER
GG.	GLASS	MR.	MURDER
GH.	GLASS	MR.	MURDER
GI.	GLASS	MR.	MURDER
GJ.	GLASS	MR.	MURDER
GK.	GLASS	MR.	MURDER
GL.	GLASS	MR.	MURDER
GM.	GLASS	MR.	MURDER
GN.	GLASS	MR.	MURDER
GO.	GLASS	MR.	MURDER
GP.	GLASS	MR.	MURDER
GQ.	GLASS	MR.	MURDER
GR.	GLASS	MR.	MURDER
GS.	GLASS	MR.	MURDER
GT.	GLASS	MR.	MURDER
GU.	GLASS	MR.	MURDER
GV.	GLASS	MR.	MURDER
GW.	GLASS	MR.	MURDER
GX.	GLASS	MR.	MURDER
GY.	GLASS	MR.	MURDER
GZ.	GLASS	MR.	MURDER
HA.	HARDWARE	MR.	MURDER
HB.	HARDWARE	MR.	MURDER
HC.	HARDWARE	MR.	MURDER
HD.	HARDWARE	MR.	MURDER
HE.	HARDWARE	MR.	MURDER
HF.	HARDWARE	MR.	MURDER
HG.	HARDWARE	MR.	MURDER
HH.	HARDWARE	MR.	MURDER
HI.	HARDWARE	MR.	MURDER
HJ.	HARDWARE	MR.	MURDER
HK.	HARDWARE	MR.	MURDER
HL.	HARDWARE	MR.	MURDER
HM.	HARDWARE	MR.	MURDER
HN.	HARDWARE	MR.	MURDER
HO.	HARDWARE	MR.	MURDER
HP.	HARDWARE	MR.	MURDER
HQ.	HARDWARE	MR.	MURDER
HR.	HARDWARE	MR.	MURDER
HS.	HARDWARE	MR.	MURDER
HT.	HARDWARE	MR.	MURDER
HU.	HARDWARE	MR.	MURDER
HV.	HARDWARE	MR.	MURDER
HW.	HARDWARE	MR.	MURDER
HX.	HARDWARE	MR.	MURDER
HY.	HARDWARE	MR.	MURDER
HZ.	HARDWARE	MR.	MURDER
IA.	INSULATION	MR.	MURDER
IB.	INSULATION	MR.	MURDER
IC.	INSULATION	MR.	MURDER
ID.	INSULATION	MR.	MURDER
IE.	INSULATION	MR.	MURDER
IF.	INSULATION	MR.	MURDER
IG.	INSULATION	MR.	MURDER
IH.	INSULATION	MR.	MURDER
II.	INSULATION	MR.	MURDER
IJ.	INSULATION	MR.	MURDER
IK.	INSULATION	MR.	MURDER
IL.	INSULATION	MR.	MURDER
IM.	INSULATION	MR.	MURDER
IN.	INSULATION	MR.	MURDER
IO.	INSULATION	MR.	MURDER
IP.	INSULATION	MR.	MURDER
IQ.	INSULATION	MR.	MURDER
IR.	INSULATION	MR.	MURDER
IS.	INSULATION	MR.	MURDER
IT.	INSULATION	MR.	MURDER
IU.	INSULATION	MR.	MURDER
IV.	INSULATION	MR.	MURDER
IW.	INSULATION	MR.	MURDER
IX.	INSULATION	MR.	MURDER
IY.	INSULATION	MR.	MURDER
IZ.	INSULATION	MR.	MURDER
JA.	JUNCTION	MR.	MURDER
JB.	JUNCTION	MR.	MURDER
JC.	JUNCTION	MR.	MURDER
JD.	JUNCTION	MR.	MURDER
JE.	JUNCTION	MR.	MURDER
JF.	JUNCTION	MR.	MURDER
JG.	JUNCTION	MR.	MURDER
JH.	JUNCTION	MR.	MURDER
JI.	JUNCTION	MR.	MURDER
JJ.	JUNCTION	MR.	MURDER
JK.	JUNCTION	MR.	MURDER
JL.	JUNCTION	MR.	MURDER
JM.	JUNCTION	MR.	MURDER
JN.	JUNCTION	MR.	MURDER
JO.	JUNCTION	MR.	MURDER
JP.	JUNCTION	MR.	MURDER
JQ.	JUNCTION	MR.	MURDER
JR.	JUNCTION	MR.	MURDER
JS.	JUNCTION	MR.	MURDER
JT.	JUNCTION	MR.	MURDER
JU.	JUNCTION	MR.	MURDER
JV.	JUNCTION	MR.	MURDER
JW.	JUNCTION	MR.	MURDER
JX.	JUNCTION	MR.	MURDER
JY.	JUNCTION	MR.	MURDER
JZ.	JUNCTION	MR.	MURDER
KA.	KITCHEN	MR.	MURDER
KB.	KITCHEN	MR.	MURDER
KC.	KITCHEN	MR.	MURDER
KD.	KITCHEN	MR.	MURDER
KE.	KITCHEN	MR.	MURDER
KF.	KITCHEN	MR.	MURDER
KG.	KITCHEN	MR.	MURDER
KH.	KITCHEN	MR.	MURDER
KI.	KITCHEN	MR.	MURDER
KJ.	KITCHEN	MR.	MURDER
KK.	KITCHEN	MR.	MURDER
KL.	KITCHEN	MR.	MURDER
KM.	KITCHEN	MR.	MURDER
KN.	KITCHEN	MR.	MURDER
KO.	KITCHEN	MR.	MURDER
KP.	KITCHEN	MR.	MURDER
KQ.	KITCHEN	MR.	MURDER
KR.	KITCHEN	MR.	MURDER
KS.	KITCHEN	MR.	MURDER
KT.	KITCHEN	MR.	MURDER
KU.	KITCHEN	MR.	MURDER
KV.	KITCHEN	MR.	MURDER
KW.	KITCHEN	MR.	MURDER
KX.	KITCHEN	MR.	MURDER
KY.	KITCHEN	MR.	MURDER
KZ.	KITCHEN	MR.	MURDER
LA.	LANDSCAPE	MR.	MURDER
LB.	LANDSCAPE	MR.	MURDER
LC.	LANDSCAPE	MR.	MURDER
LD.	LANDSCAPE	MR.	MURDER
LE.	LANDSCAPE	MR.	MURDER
LF.	LANDSCAPE	MR.	MURDER
LG.	LANDSCAPE	MR.	MURDER
LH.	LANDSCAPE	MR.	MURDER
LI.	LANDSCAPE	MR.	MURDER
LJ.	LANDSCAPE	MR.	MURDER
LK.	LANDSCAPE	MR.	MURDER
LL.	LANDSCAPE	MR.	MURDER
LM.	LANDSCAPE	MR.	MURDER
LN.	LANDSCAPE	MR.	MURDER
LO.	LANDSCAPE	MR.	MURDER
LP.	LANDSCAPE	MR.	MURDER
LQ.	LANDSCAPE	MR.	MURDER
LR.	LANDSCAPE	MR.	MURDER
LS.	LANDSCAPE	MR.	MURDER
LT.	LANDSCAPE	MR.	MURDER
LU.	LANDSCAPE	MR.	MURDER
LV.	LANDSCAPE	MR.	MURDER
LW.	LANDSCAPE	MR.	MURDER
LX.	LANDSCAPE	MR.	MURDER
LY.	LANDSCAPE	MR.	MURDER
LZ.	LANDSCAPE	MR.	MURDER
MA.	MATERIAL	MR.	MURDER
MB.	MATERIAL	MR.	MURDER
MC.	MATERIAL	MR.	MURDER
MD.	MATERIAL	MR.	MURDER
ME.	MATERIAL	MR.	MURDER
MF.	MATERIAL	MR.	MURDER
MG.	MATERIAL	MR.	MURDER
MH.	MATERIAL	MR.	MURDER
MI.	MATERIAL	MR.	MURDER
MO.	MATERIAL	MR.	MURDER
MP.	MATERIAL	MR.	MURDER
MQ.	MATERIAL	MR.	MURDER
MR.	MATERIAL	MR.	MURDER
MS.	MATERIAL	MR.	MURDER
MT.	MATERIAL	MR.	MURDER
MU.	MATERIAL	MR.	MURDER
MV.	MATERIAL	MR.	MURDER
MW.	MATERIAL	MR.	MURDER
MX.	MATERIAL	MR.	MURDER
MY.	MATERIAL	MR.	MURDER
MZ.	MATERIAL	MR.	MURDER
NA.	NOT A PART	MR.	MURDER
NB.	NOT A PART	MR.	MURDER
NC.	NOT A PART	MR.	MURDER
ND.	NOT A PART	MR.	MURDER
NE.	NOT A PART	MR.	MURDER
NF.	NOT A PART	MR.	MURDER
NG.	NOT A PART	MR.	MURDER
NH.	NOT A PART	MR.	MURDER
NI.	NOT A PART	MR.	MURDER
NJ.	NOT A PART	MR.	MURDER
NK.	NOT A PART	MR.	MURDER
NL.	NOT A PART	MR.	MURDER
NM.	NOT A PART	MR.	MURDER
NO.	NOT A PART	MR.	MURDER
NP.	NOT A PART	MR.	MURDER
NQ.	NOT A PART	MR.	MURDER
NR.	NOT A PART	MR.	MURDER
NS.	NOT A PART	MR.	MURDER
NT.	NOT A PART	MR.	MURDER
NU.	NOT A PART	MR.	MURDER
NV.	NOT A PART	MR.	MURDER
NW.	NOT A PART	MR.	MURDER
NX.	NOT A PART	MR.	MURDER
NY.	NOT A PART	MR.	MURDER
NZ.	NOT A PART	MR.	MURDER
OA.	OPENING	MR.	MURDER
OB.	OPENING	MR.	MURDER
OC.	OPENING	MR.	MURDER
OD.	OPENING	MR.	MURDER
OE.	OPENING	MR.	MURDER
OF.	OPENING	MR.	MURDER
OG.	OPENING	MR.	MURDER
OH.	OPENING	MR.	MURDER
OI.	OPENING	MR.	MURDER
OJ.	OPENING	MR.	MURDER



PLANT LEGEND

- CE GREEN BUTTONWOOD TREE
- XV YAUPON HOLLY TREE
- CS SILVER BUTTONWOOD TREE
- CT SEA GRAPE TREE
- SP CABBAGE PALM
- ST NECKLACE POD
- CB SILVER BUTTONWOOD SHRUB
- CC COCOPLUM
- SB SANDCORD GRASS
- XS DWARF YAUPON HOLLY
- ZP COONTIE
- CU SEA GRAPE
- UP SEA OATS
- SR SAW PALMETTO
- HL SPIDER LILY
- FS FLORIDA PRIVET
- MULCH

CODE COMPLIANCE CALCULATIONS

TOTAL SITE AREA = 60,416 SF.
 DEVELOPABLE AREA LANDWARD OF CCCL = 31,860 SF.
 TOTAL PAVEMENT AREA = 19,377 SF.

SITE AREA REQUIREMENTS:
 MIN. TOTAL TREES REQUIRED = 1 TREE / 2000 SF = 31,860 SF. / 2,000 SF. = (16) TREES
 TOTAL TREES PROPOSED = (4) SEA GRAPE, (5) SILVER BUTTONWOOD, (3) GREEN BUTTONWOOD, (2) YAUPON HOLLY, (39) / (3 = 13) CABBAGE PALM = (27) TREES

TOTAL SHRUBS REQUIRED = 62,766 SF. / 2,000 SF. = 32 x 5 = (160) SHRUBS
 TOTAL SHRUBS PROPOSED = (100) SEA GRAPE, (33) SAW PALMETTO, (69) FLORIDA PRIVET, (175) SILVER BUTTONWOOD, (58) NECKLACE POD = (435) SHRUBS

50% NATIVE TREES REQUIRED = 16 / 2 TREES = (8) TREES
 50% NATIVE TREES PROPOSED = ALL PROPOSED TREES = (27) TREES
 50% NATIVE SHRUBS REQUIRED = 160 / 2 TREES = (80) TREES
 50% NATIVE SHRUBS PROPOSED = ALL PROPOSED SHRUBS = (435) SHRUBS

INTERIOR LANDSCAPE AREA REQUIREMENTS:
 TOTAL PARKING SPACES = 16
 INTERIOR LANDSCAPE AREA REQUIRED = 16 x 20 SF = (320 SF)
 INTERIOR LANDSCAPE AREA PROVIDED = 481 + 334 + 178 + 175 = (1,168 SF)

LANDSCAPING REQUIREMENTS FOR YARD AREAS ADJACENT TO ABUTTING PROPERTIES:
ABUTTING PROPERTY TO NORTH
 SHRUBS REQUIRED (30" HT. @ 30" O.C.) = 157 LF / 25 LF = 6.28 x 10 = (63) SHRUBS
 SHRUBS PROPOSED = (63) SILVER BUTTONWOOD = (63) SHRUBS
 TREES REQUIRED = 1 TREE / 25' LF = 157 / 25' LF = 6.28 = (7) TREES
 TREES PROPOSED = (1) YAUPON HOLLY TREES, (9) CABBAGE PALMS, (2) SEA GRAPES, (1) GREEN BUTTONWOOD = (7) TREES

ABUTTING PROPERTY TO SOUTH
 SHRUBS REQUIRED (30" HT. @ 30" O.C.) = 161 LF / 25 LF = 6.44 x 10 = (65) SHRUBS
 SHRUBS PROPOSED = (36) SILVER BUTTONWOOD, (34) FLORIDA PRIVET = (70) SHRUBS
 TREES REQUIRED = 1 TREE / 25' LF = 160 / 25' LF = (7) TREES
 TREES PROPOSED = (1) YAUPON HOLLY TREES, (1) GREEN BUTTONWOOD, (3) SEA GRAPE TREES, 6/3 = (2) CABBAGE PALMS = (7) TREES

LANDSCAPING FOR YARD AREAS ADJACENT TO PUBLIC RIGHTS OF WAY:
 V.U.A. ABUTTING A.I.A. AVE. R.O.W. = 124 LF
 SHRUBS REQUIRED (30" HT. @ 30" O.C.) = 124 LF / 25 LF = 4.96 x 10 = (50) SHRUBS
 SHRUBS PROPOSED = (46) SILVER BUTTONWOOD SHRUB, (6) FLORIDA PRIVET = (51) SHRUBS
 TREES REQUIRED = 1 TREE / 25' LF = 232 / 25' = (9) TREES
 TREES PROPOSED = (8) SEA GRAPE TREES, (2) SILVER BUTTONWOOD TREES = (10) TREES

PLANT LIST

Plan Code	Native	Common Name	Botanical Name	Overall Height	Overall Spread	Root Ball	Trunk Size / Spacing	Quantity
ORNAMENTAL TREES								
CT	N	SEA GRAPE	COCOLOBUS UVIFERA	12'	6'	B&B	4" D.B.H.	4
CS	N	SILVER BUTTONWOOD	CONOCARPUS ERECTUS 'SERICEUS'	8'	4'	25 GAL	3" D.B.H.	5
CE	N	GREEN BUTTONWOOD	CONOCARPUS ERECTUS	10'	4'	25 GAL	2" D.B.H.	3
XV	N	YAUPON HOLLY	ILEX VOMITORIA	8'	3'	25 GAL	2" D.B.H.	2
LARGE PALMS								
SP	N	CABBAGE PALM	SABAL PALMETTO	12'-24'	10'	BARE	STRAIGHT	39
LARGE SHRUBS								
CU	N	SEA GRAPE	COCOLOBUS UVIFERA	36"	30"	7 GAL	36" O.C.	100
SR	N	SAW PALMETTO	SERENOA REPENS	12"	9"	3 GAL	6" O.C.	33
FS	N	FLORIDA PRIVET	FORESTERIA SEGREGATA	24"	18"	3 GAL	30" O.C.	69
CB	N	SILVER BUTTONWOOD SHRUB	CONOCARPUS ERECTUS 'SERICEUS'	30"	14"	7 GAL	30" O.C.	175
ST	N	NECKLACE POD	SOPHORA TOMENTOSA	18"	18"	7 GAL	30" O.C.	58
SMALL SHRUBS								
XS	N	DWARF YAUPON HOLLY	ILEX VOMITORIA 'SCHILLINGS'	9"	9"	3 GAL	24" O.C.	126
CC	N	COCOPLUM	CHRYSOBALANUS ICACO 'RED TIP'	18"	15"	3 GAL	24" O.C.	230
UP	N	SEA OATS	UNIOLA PANICULATA	15"	4"	2-1/2" LINER	18" O.C.	114
TALL GROUNDCOVERS								
SB	N	SAND CORDGRASS	SPARTINA BAKERI	18"	4"	2-1/2" LINER	30" O.C.	1,399
ZP	N	COONTIE	ZAMIA PUMILLA	12"	12"	3 GAL	24" O.C.	220
HL	N	SPIDER LILY	HYMENOCALLIS LATIFOLIA	12"	12"	1 GAL	24" O.C.	27

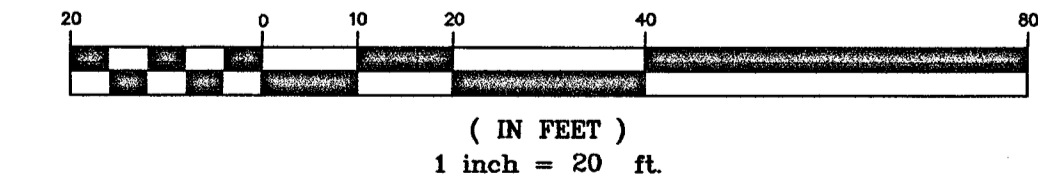
LANDSCAPE ABBREVIATIONS

- HT. = HEIGHT
- OA. = OVERALL HT. PER CITY STANDARDS
- O.C. = ON CENTER SPACING
- D.B.H. = CALIPER OF TRUNK AT 4' HEIGHT ABOVE TOP OF ROOT BALL
- C.T. = CLEAR TRUNK HEIGHT
- MIN. = MINIMUM
- N = NATIVE
- GAL. = GALLON CONTAINER
- GALV. = GALVANIZED
- GA. = GAUGE
- PT. = PRESSURE TREATED
- B&B = BALLED AND BURLAPPED



SCALE: 1"=20'

GRAPHIC SCALE



REVISION	DATE	DESCRIPTION

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LUNG RX
 HIGHWAY A.1.A.
 SATELLITE BEACH, FL 32937

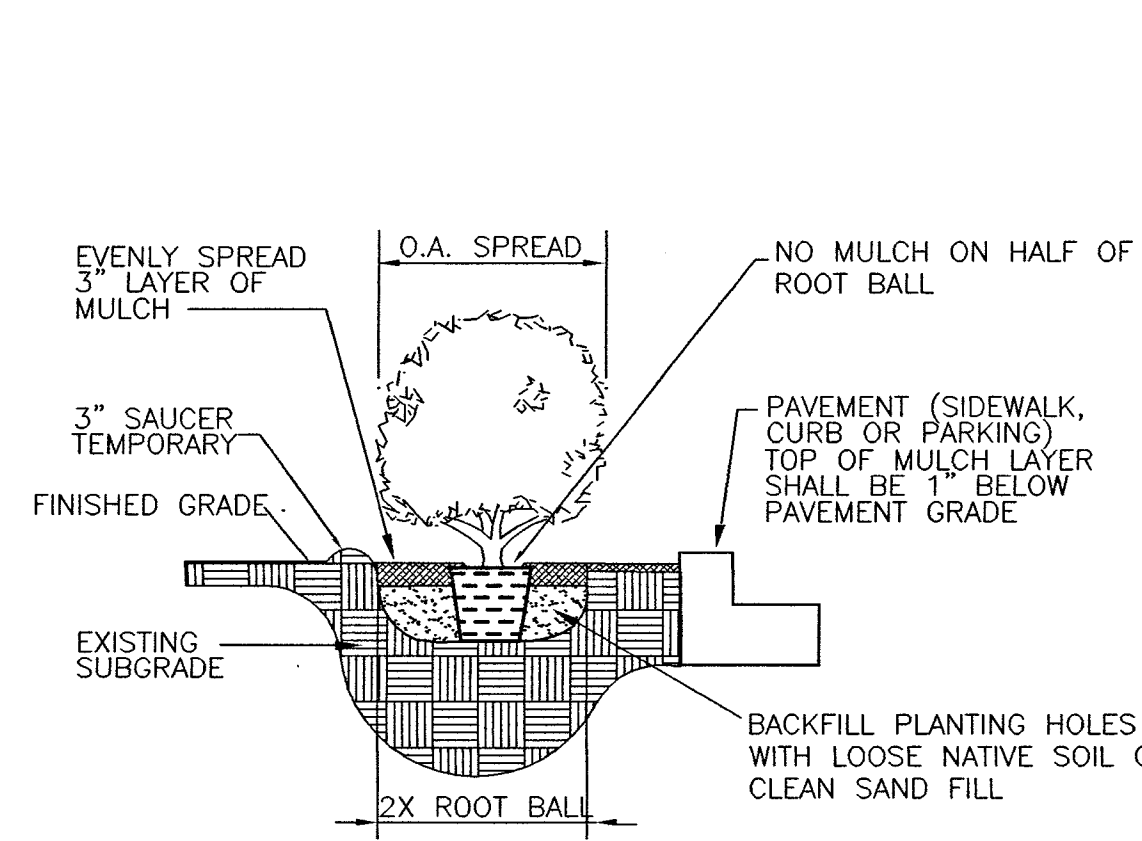
EDWARD J. HAECK, A.S.L.A.
 LANDSCAPE ARCHITECTURE & SITE PLANNING
 (321) 779-1300 MELBOURNE, FLORIDA
 STATE OF FLA. REGISTERED LANDSCAPE ARCHITECT #1147

Edward J. Haeck
 9/1/06
 EDWARD J. HAECK, R.L.A. #1147

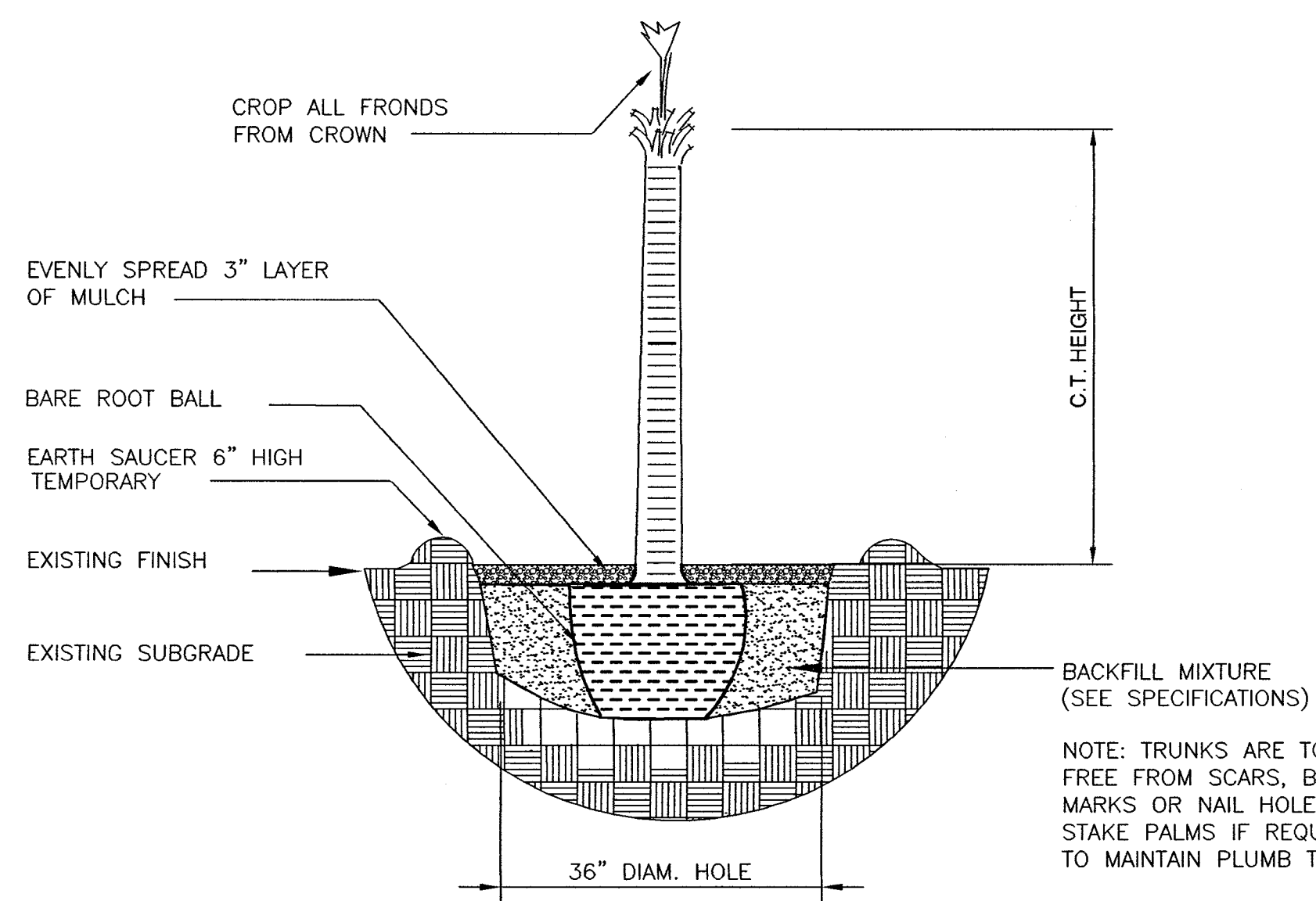
LANDSCAPE PLAN

1" = 20'

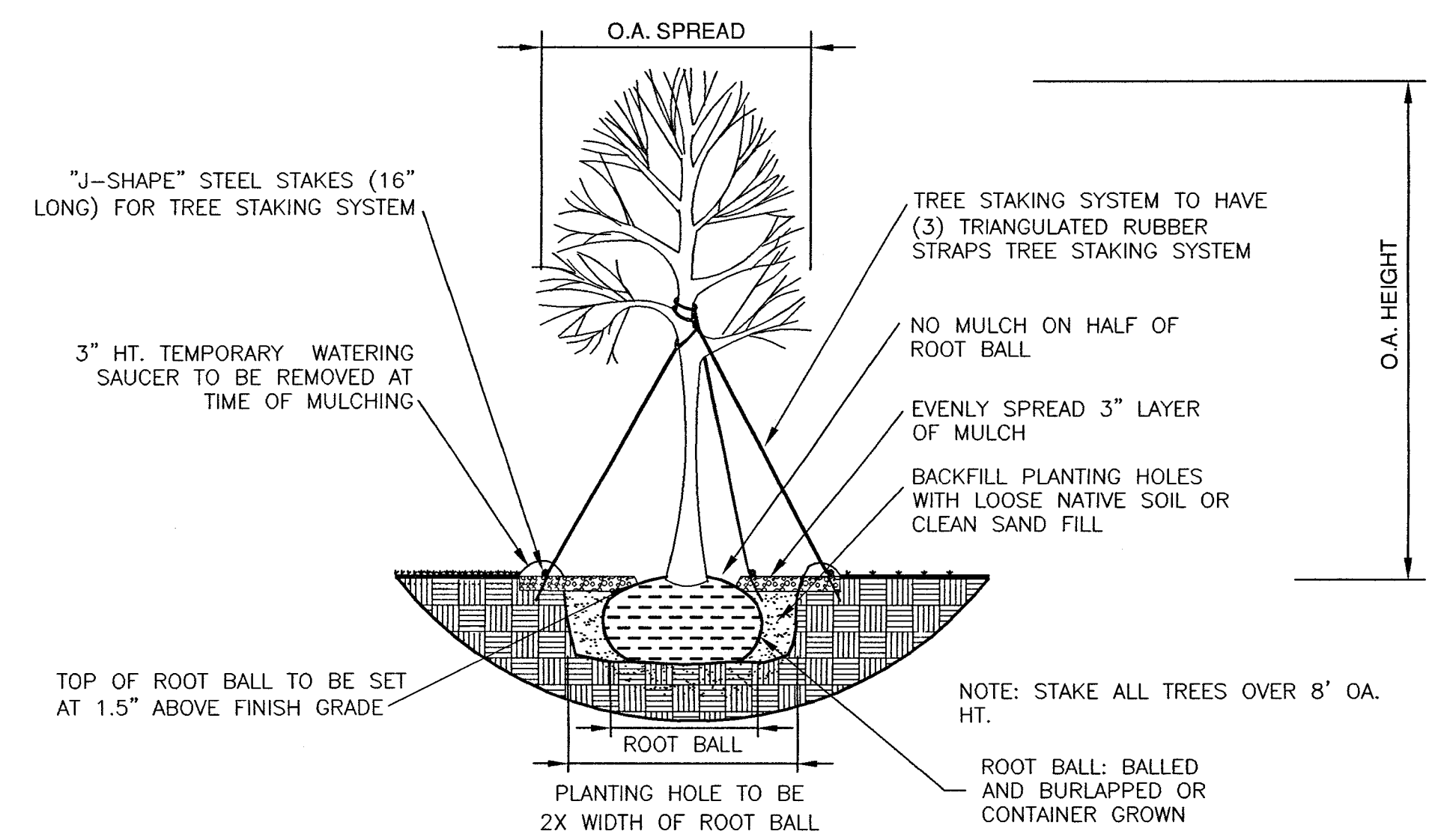
DATE	6/19/06
DRAWN BY	WRIGHT
CHECKED BY	HAECK
FILE NAME	L-LUNG RX-A.DWG
SHEET 1 OF 4	L-1



SHRUB-GROUNDCOVER PLANTING DETAIL
N.T.S.



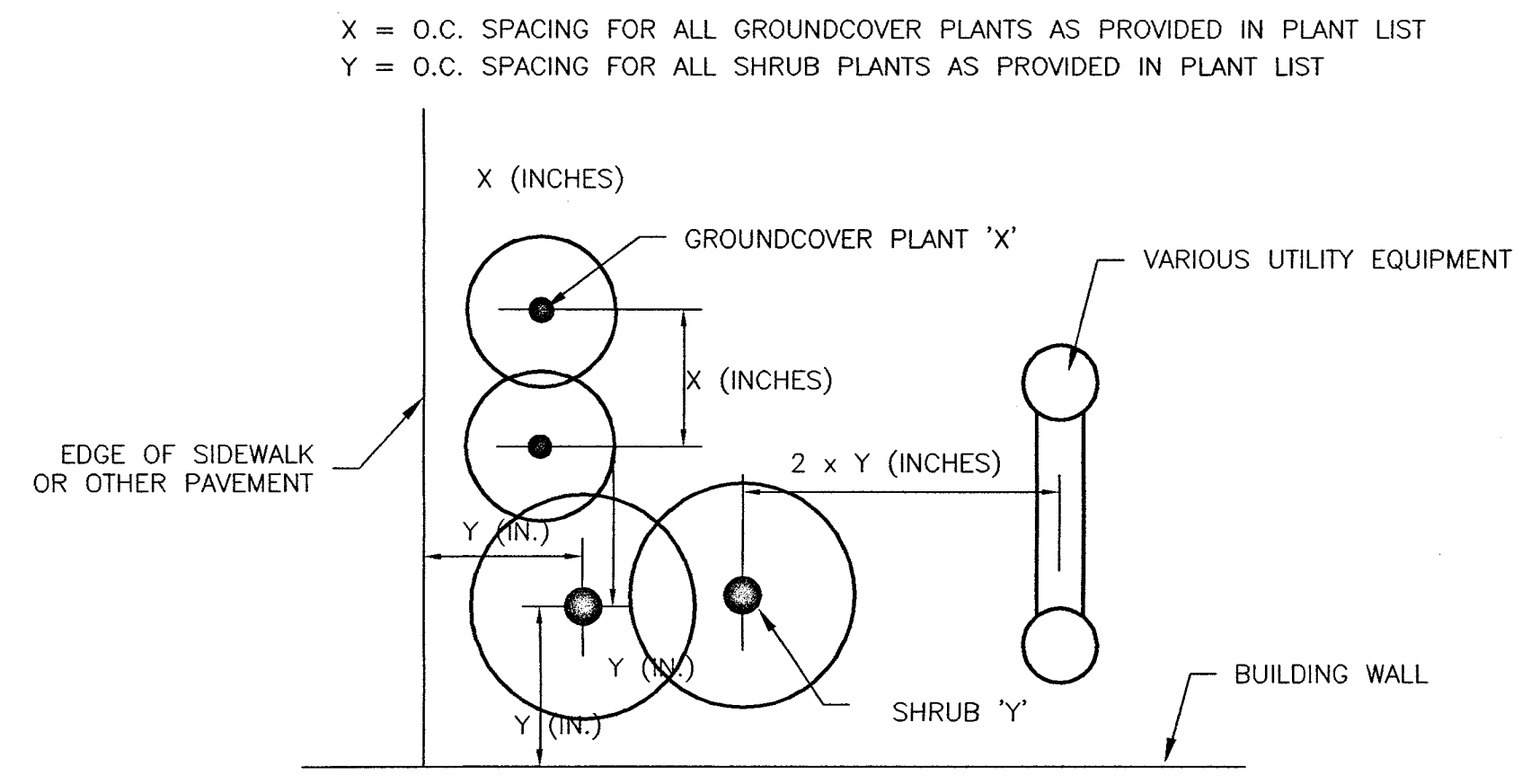
CABBAGE PALM PLANTING DETAIL
N.T.S.



TREE PLANTING DETAIL
N.T.S.

LANDSCAPE NOTES

1. THIS PLAN IS SUBMITTED FOR REVIEW AS REQUIRED FOR THE CITY OF SATELLITE BEACH SITE PLAN APPROVAL. ALL CHANGES ARE TO BE APPROVED BY THE CITY OF SATELLITE BEACH.
2. ALL NEW PLANT MATERIALS ARE TO BE FLORIDA #1 GRADE OR BETTER AS DEFINED IN "GRADE STANDARDS FOR NURSERY PLANTS", 1998 EDITION, PUBLISHED BY FLORIDA DEPT. OF AGRICULTURE AND CONSUMER SERVICES, DIVISION OF PLANT INDUSTRY.
3. UPON FINAL INSPECTION, ANY PLANT THAT APPEARS TO BE DAMAGED OR IN SHOCK SO THAT IT IS NO LONGER FLORIDA GRADE #1 WILL BE REMOVED AND REPLACED WITH A GRADE #1 PLANT OF THE SAME SPECIFIED TYPE AND SIZE.
4. OWNER WILL BE RESPONSIBLE FOR MAINTENANCE AND SURVIVAL OF ALL REQUIRED PLANTS AND GRASS.
5. ALL PLANT MATERIALS ARE TO BE INSTALLED WITH SOUND HORTICULTURAL PRACTICE, IN SOIL THAT IS SUITABLE FOR PLANT GROWTH WITH ADEQUATE DRAINAGE.
6. PLANT MATERIALS ARE TO BE FERTILIZED WITH 6 MONTH SLOW-RELEASE 12-6-18 FORMULA (OR EQUIVALENT 2-1-3 RATIO) FERTILIZER WITH COMPLETE MINOR ELEMENTS. USE 1/4 CUP FOR EACH 1 GAL. PLANT, 1/2 CUP FOR EACH 3 GAL. PLANT, 3/4 CUP FOR 7 GAL. PLANTS, 1 CUP FOR 15 GAL. PLANTS, AND 2 CUPS FOR 25 GAL. OR FIELD GROWN PLANT.
7. THE CONTRACTOR IS TO VERIFY THE LOCATION OF ALL STORMWATER DRAINAGE FACILITIES AND UTILITIES PRIOR TO ANY EXCAVATION. DO NOT PLANT ANY MATERIALS OR FINISH GRADE IN ANY LOCATION THAT WILL INTERFERE WITH THOSE UTILITIES, FACILITIES OR DRAINAGE PATTERNS.
8. ALL LANDSCAPE BED AREAS ARE TO HAVE A 3" LAYER OF PINE BARK MULCH. DO NOT INSTALL MULCH IN THE BOTTOM OF ANY SWALES. DO NOT INSTALL MULCH AGAINST ANY PLANT TRUNKS OR STEMS. INSTALL MULCH ONLY ON THE OUTER 1/2 OF THE ROOT BALL.
9. ALL TREES IN SOD AREAS ARE TO HAVE A 5' DIAMETER RING WITH A 3' LAYER OF PINE BARK MULCH AROUND THE TRUNKS. ALL PROPERTY LINE HEDGES ARE TO BE IN 5' WIDE MULCHED BEDS WITH SHRUBS IN THE CENTER OF THE BEDS.
10. FIELD ADJUST LOCATION OF TREES TO AVOID FUTURE OBSTRUCTIONS. LOCATE TREES IN YARDS SO THAT FUTURE CONFLICT WITH UTILITIES OR TREES ON ADJACENT PROPERTIES IS AVOIDED.
11. ALL PLANTS ARE TO BE PLANTED IN HOLES WHICH ARE TWICE THE WIDTH OF THE ROOT BALL. ALL PLANTING HOLES ARE TO BE BACKFILLED WITH NATIVE SAND OR SUITABLE FILL.
12. TREES WITH DAMAGED TRUNKS, INCLUDING DAMAGE FROM STAKING AND HANDLING, ARE NOT ACCEPTABLE. ALL TREE TRUNKS ARE TO BE STRAIGHT, FREE FROM SCARS, HOLES, BULGES OR GIRDLE MARKS, AND ARE TO HAVE A CONSISTENT CALIPER SIMILAR TO OTHER PLANTS OF THE SAME SPECIES.
13. ALL NEW TREES, SHRUBS, AND SOD ARE TO BE THOROUGHLY HAND WATERED IMMEDIATELY AFTER INSTALLATION AND ONCE EVERY OTHER DAY FOR THREE WEEKS. ALL TREES ARE TO HAVE A TEMPORARY 6" HT. EARTHEN SAUCER CONSTRUCTED TO FACILITATE HAND WATERING. RAKE OUT EARTHEN SAUCER BEFORE MULCHING.
14. A SMOOTH FINISH GRADE IS TO BE INSTALLED IN ALL LANDSCAPED AREAS. THE TOP OF THE ROOT ZONE OF SOD AND THE TOP OF THE 3" LAYER OF MULCH ARE TO BE 1"-1.5" BELOW ALL ADJACENT CONCRETE.
15. LANDSCAPE TREES OR SHRUBS SHALL NOT BE INSTALLED WITHIN 4' OF ANY FIRE HYDRANT OR MECHANICAL EQUIPMENT. ONLY SOD OR MULCH IS TO BE INSTALLED WITHIN 4' OF SUCH EQUIPMENT.
16. ALL NEW TREES AND PALMS (EXCEPT CABBAGE PALMS) OVER 8' HEIGHT ARE TO BE GUYED AND STAKED WITH THE 'ANCHOR GUY' TREE STAKING SYSTEM OR APPROVED EQUAL HAVING TRIANGULATED, ADJUSTABLE LENGTH, RUBBER OR FABRIC STRAPS, AND GALVANIZED STEEL ANCHORS.
17. ALL PLANTS AND SOD ARE TO HAVE IRRIGATION COVERAGE BY AN AUTOMATIC UNDERGROUND IRRIGATION SYSTEM. PROPOSED WELL IS TO BE THE WATER SOURCE. A RAIN SENSOR DEVICE IS TO BE INSTALLED AND CONNECTED TO THE IRRIGATION CONTROLLER.
18. ALL SPARTINA GRASS BEDS ARE TO HAVE AN EROSION CONTROL FABRIC INSTALLED BEFORE PLANTS ARE INSTALLED. PIN FABRIC IN PLACE WITH STEEL 6" PINS SPACED AT 5' O.C.
19. COQUINA BOULDERS ARE TO VARY FROM 36"-18" IN LENGTH AND WIDTH BY 24"-12" IN HEIGHT.



PLANT SPACING DETAIL
N.T.S.

REVISION	DATE	DESCRIPTION

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LUNG RX
HIGHWAY A.1.A.
SATELLITE BEACH, FL 32937

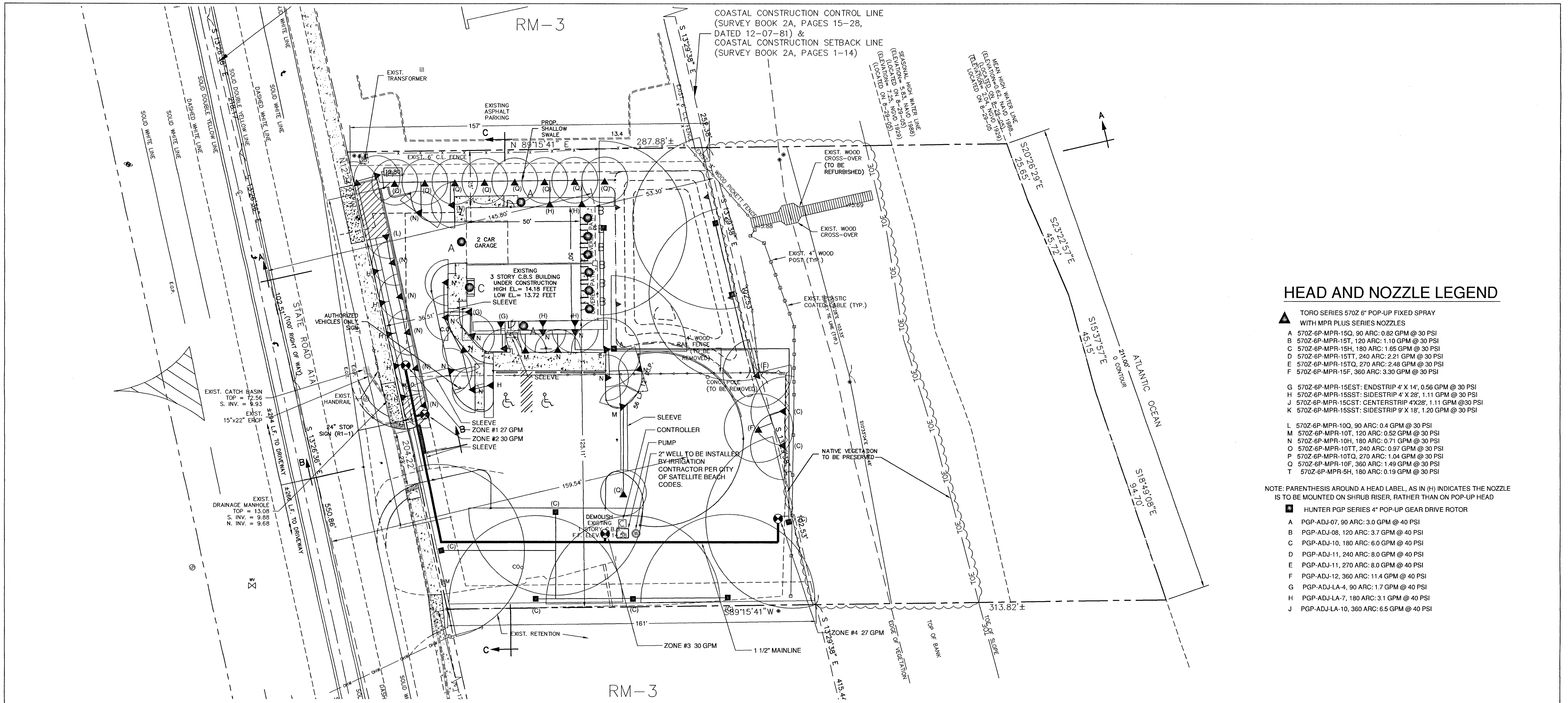
EDWARD J. HAECK, A.S.L.A.
LANDSCAPE ARCHITECTURE & SITE PLANNING
(321) 779-1300 MELBOURNE, FLORIDA
STATE OF FLA. REGISTERED LANDSCAPE ARCHITECT #1147

Edward J. Haeck
a/hoc
EDWARD J. HAECK, R.L.A. #1147

LANDSCAPE DETAILS

N.T.S.

DATE	6/19/06
DRAWN BY	WRIGHT
CHECKED BY	HAECK
FILE NAME	L-LUNGRX-A.DWG
SHEET 2	OF 4
	L-2



HEAD AND NOZZLE LEGEND

- ▲ TORO SERIES 570Z 6" POP-UP FIXED SPRAY WITH MPR PLUS SERIES NOZZLES
 - A 570Z-6P-MPR-15Q, 90 ARC: 0.82 GPM @ 30 PSI
 - B 570Z-6P-MPR-15T, 120 ARC: 1.10 GPM @ 30 PSI
 - C 570Z-6P-MPR-15H, 180 ARC: 1.65 GPM @ 30 PSI
 - D 570Z-6P-MPR-15TT, 240 ARC: 2.21 GPM @ 30 PSI
 - E 570Z-6P-MPR-15TQ, 270 ARC: 2.48 GPM @ 30 PSI
 - F 570Z-6P-MPR-15F, 360 ARC: 3.30 GPM @ 30 PSI
- G 570Z-6P-MPR-15EST: ENDSTRIP 4' X 14', 0.56 GPM @ 30 PSI
- H 570Z-6P-MPR-15SST: SIDESTRIP 4' X 28', 1.11 GPM @ 30 PSI
- J 570Z-6P-MPR-15CST: CENTERSTRIP 4'X28', 1.11 GPM @ 30 PSI
- K 570Z-6P-MPR-15SST: SIDESTRIP 9' X 18', 1.20 GPM @ 30 PSI
- L 570Z-6P-MPR-10Q, 90 ARC: 0.4 GPM @ 30 PSI
- M 570Z-6P-MPR-10T, 120 ARC: 0.52 GPM @ 30 PSI
- N 570Z-6P-MPR-10H, 180 ARC: 0.71 GPM @ 30 PSI
- O 570Z-6P-MPR-10TT, 240 ARC: 0.97 GPM @ 30 PSI
- P 570Z-6P-MPR-10TQ, 270 ARC: 1.04 GPM @ 30 PSI
- Q 570Z-6P-MPR-10F, 360 ARC: 1.49 GPM @ 30 PSI
- T 570Z-6P-MPR-5H, 180 ARC: 0.19 GPM @ 30 PSI

NOTE: PARENTHESIS AROUND A HEAD LABEL, AS IN (H) INDICATES THE NOZZLE IS TO BE MOUNTED ON SHRUB RISER, RATHER THAN ON POP-UP HEAD

- HUNTER PGP SERIES 4" POP-UP GEAR DRIVE ROTOR
 - A PGP-ADJ-07, 90 ARC: 3.0 GPM @ 40 PSI
 - B PGP-ADJ-08, 120 ARC: 3.7 GPM @ 40 PSI
 - C PGP-ADJ-10, 180 ARC: 6.0 GPM @ 40 PSI
 - D PGP-ADJ-11, 240 ARC: 8.0 GPM @ 40 PSI
 - E PGP-ADJ-11, 270 ARC: 8.0 GPM @ 40 PSI
 - F PGP-ADJ-12, 360 ARC: 11.4 GPM @ 40 PSI
 - G PGP-ADJ-LA-4, 90 ARC: 1.7 GPM @ 40 PSI
 - H PGP-ADJ-LA-7, 180 ARC: 3.1 GPM @ 40 PSI
 - J PGP-ADJ-LA-10, 360 ARC: 6.5 GPM @ 40 PSI

PIPE SIZING SCHEDULE

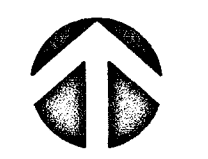
NOTE: IF DEVIATION FROM THE PIPE LAYOUT SHOWN IS REQUIRED ALL PIPE SHALL BE SIZED IN STRICT ACCORDANCE WITH THE FOLLOWING SCHEDULE:

1/2"	BUBBLER & SHRUB RISER ONLY
3/4"	0 - 11 G.P.M.
1"	11.01 - 17 G.P.M.
1-1/4"	17.01 - 27 G.P.M.
1-1/2"	27.01 - 37 G.P.M.

ALL MAINLINE AND ALL SLEEVE PIPE UNDER PAVEMENT TO BE SCHEDULE 40.
 ALL PIPE FEEDING SPUR LINES WITH LESS THAN 11 G.P.M. FLOW DOWNLINE TO BE 3/4" UNLESS INDICATED OTHERWISE ON THE PLAN.
 ALL PIPES UNDER PAVEMENT OVER 3' WIDE ARE TO BE INSTALLED IN SLEEVE PIPES WHICH ARE 1/2" LARGER THAN THE CUMMULATIVE SIZES OF PIPES TO BE HOUSED IN THE SLEEVE.

CONTROLS AND EQUIPMENT

- P** PUMP AND PUMPHOUSE, 1.5 HP. PUMP BY STA-RITE
- V** REMOTE CONTROL VALVE, TORO SERIES 252, MODEL # 252-25-06, 1 1/2" SIZE IN 12" X 15" VALVE BOX WITH RECTANGULAR COVERS MARKED WITH ZONE, 24 VAC
- C** CONTROLLER: ESP SERIES BY RAINBIRD, MODEL ESP-6, 6 STATION IN WEATHERPROOF OUTDOOR CASE, MOUNTED ON POST AND CONNECTED TO MINI-CLICK II RAIN SENSOR.
- W** 2" WELL - BLACK IRON CASING TO BE INSTALLED BY IRRIGATION CONTRACTOR PER CITY OF SATELLITE BEACH CODES.
- 1 1/2" SCHEDULE 40 PVC MAINLINE
- 3/4" TO 3" LATERAL LINES
- SLEEVE PIPE, SCHEDULE 40 PVC MIN. 1/2" LARGER THAN PIPE INSIDE



SCALE: 1"=20'

GRAPHIC SCALE



(IN FEET)
1 inch = 20 ft.

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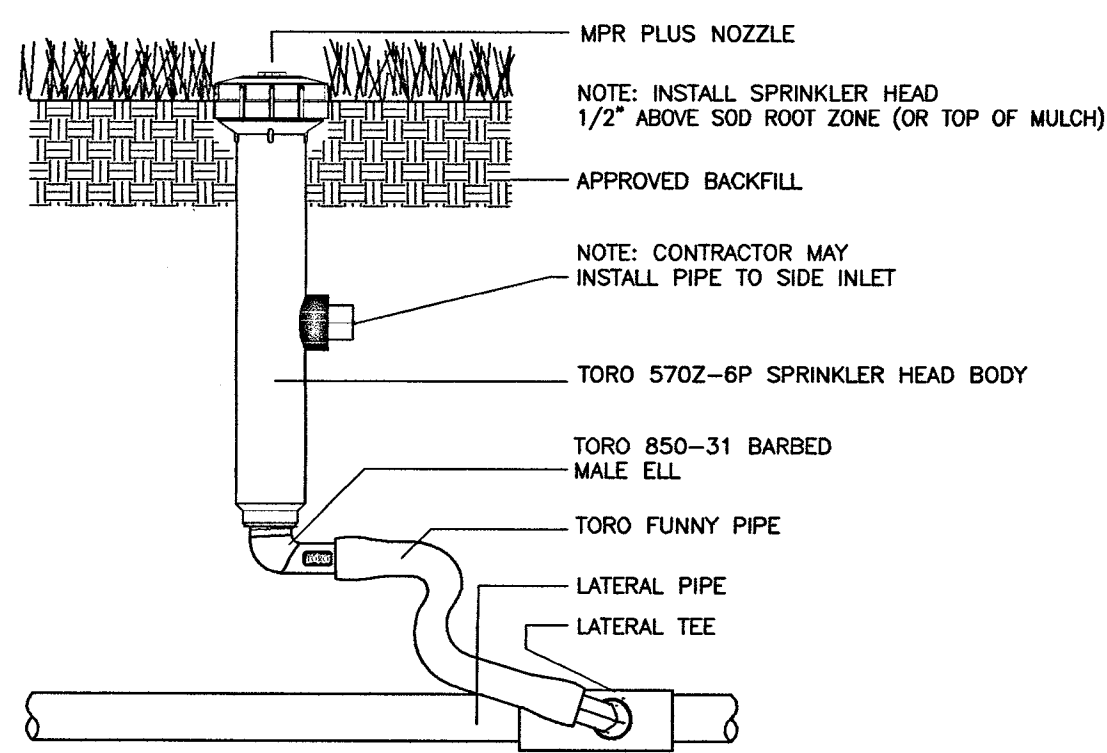
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IRRIGATION PLAN

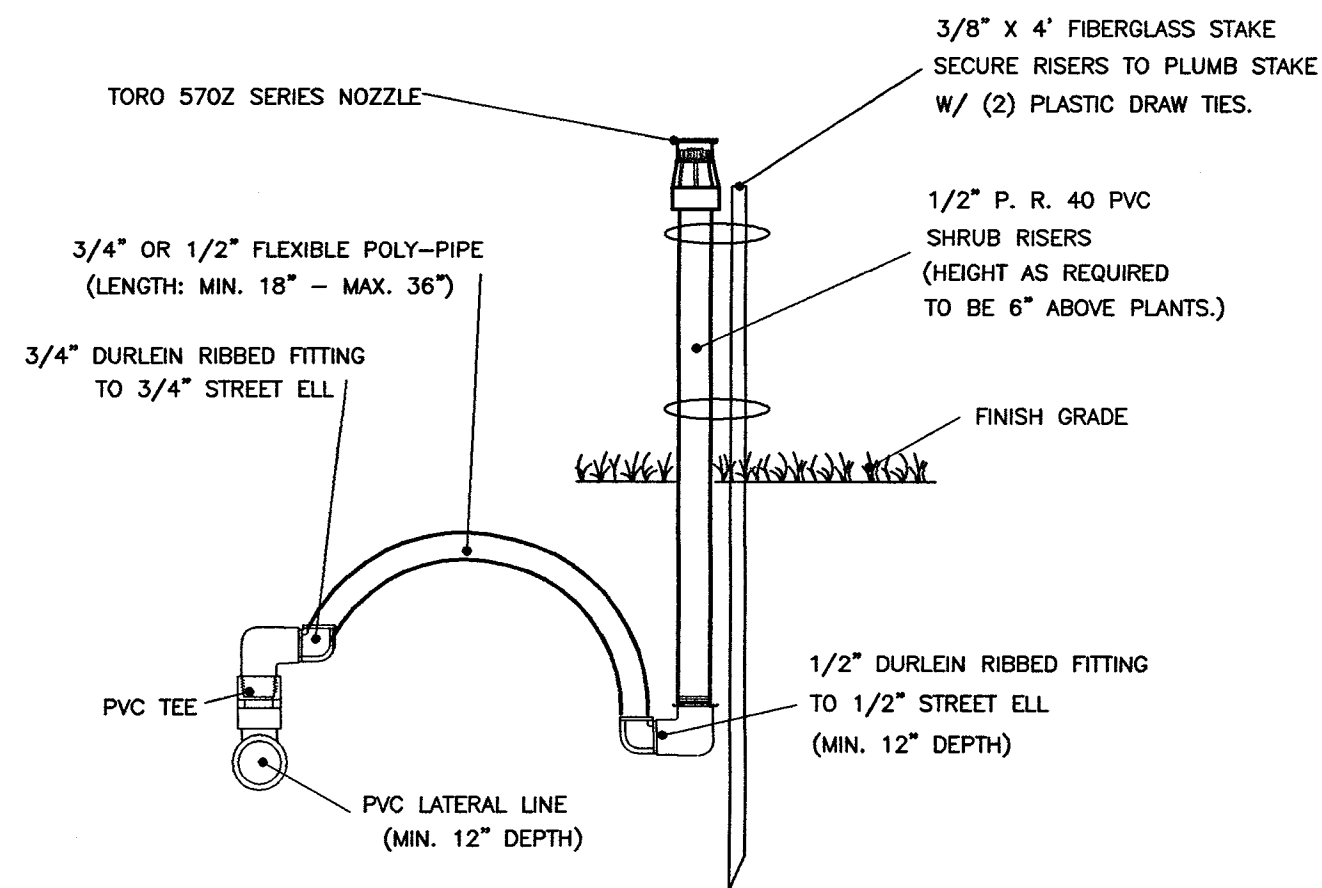
1" = 20'

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CHECKED BY	HAECK
FILE NAME	L-LUNGRX-A.DWG
SHEET 3	OF 4
L-3	



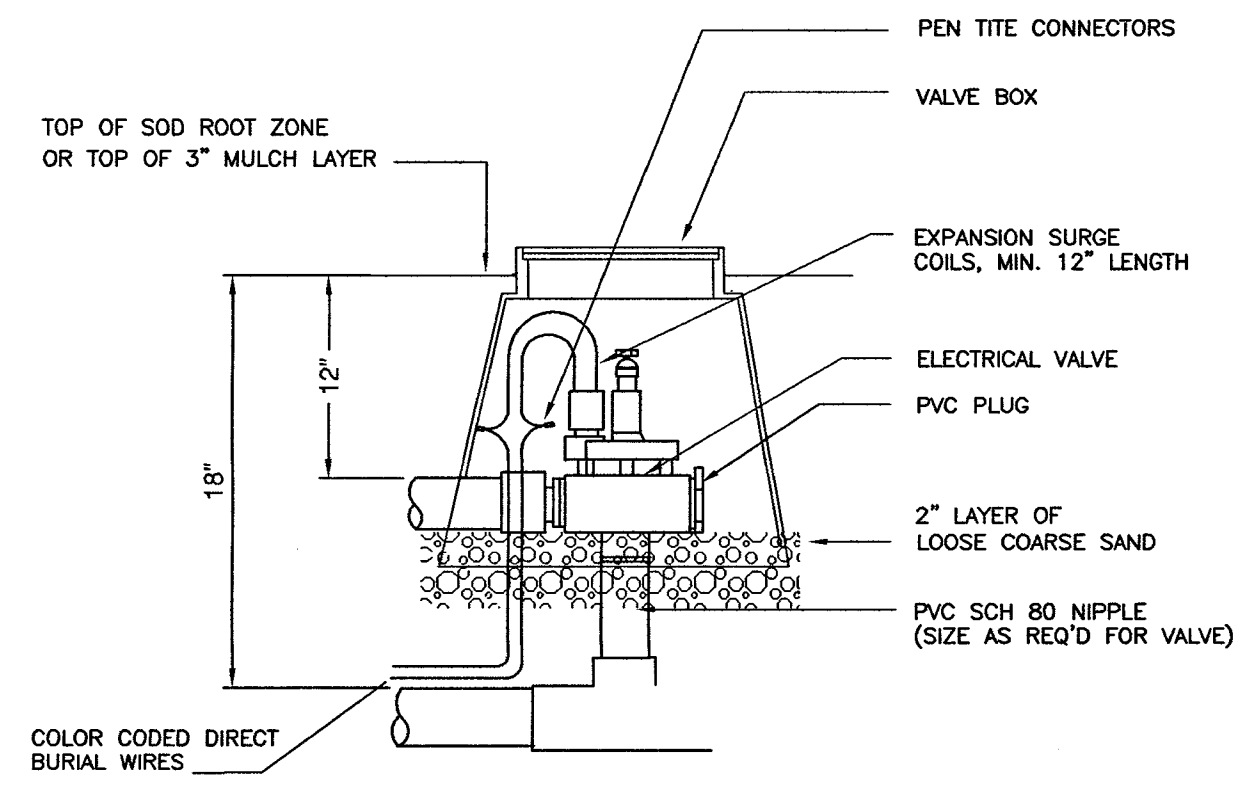
FIXED-SPRAY SPRINKLER DETAIL

N.T.S.



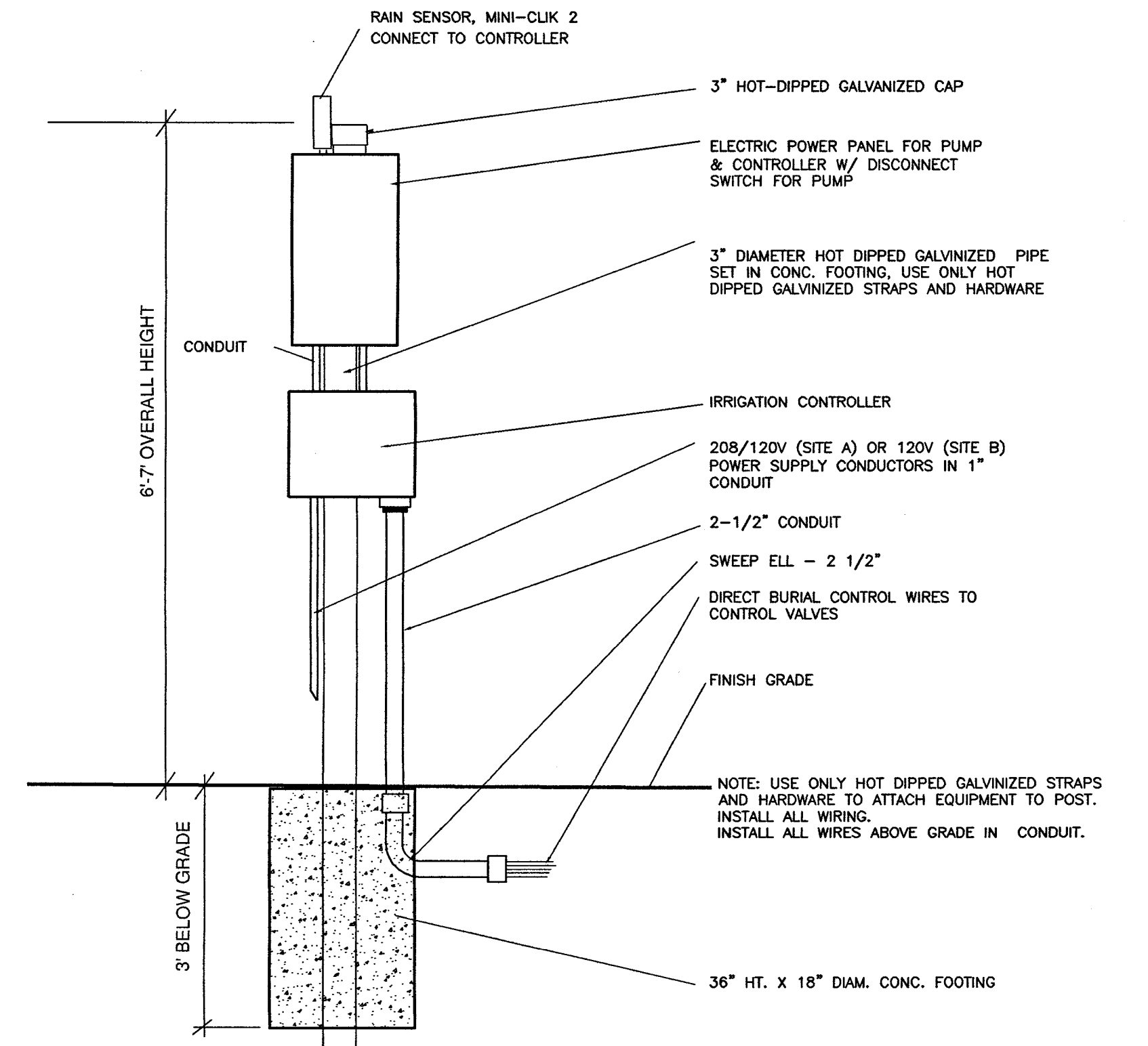
FIXED SPRAY SHRUB RISER TORO 570Z SERIES

N.T.S.



REMOTE CONTROL VALVE DETAIL

N.T.S.

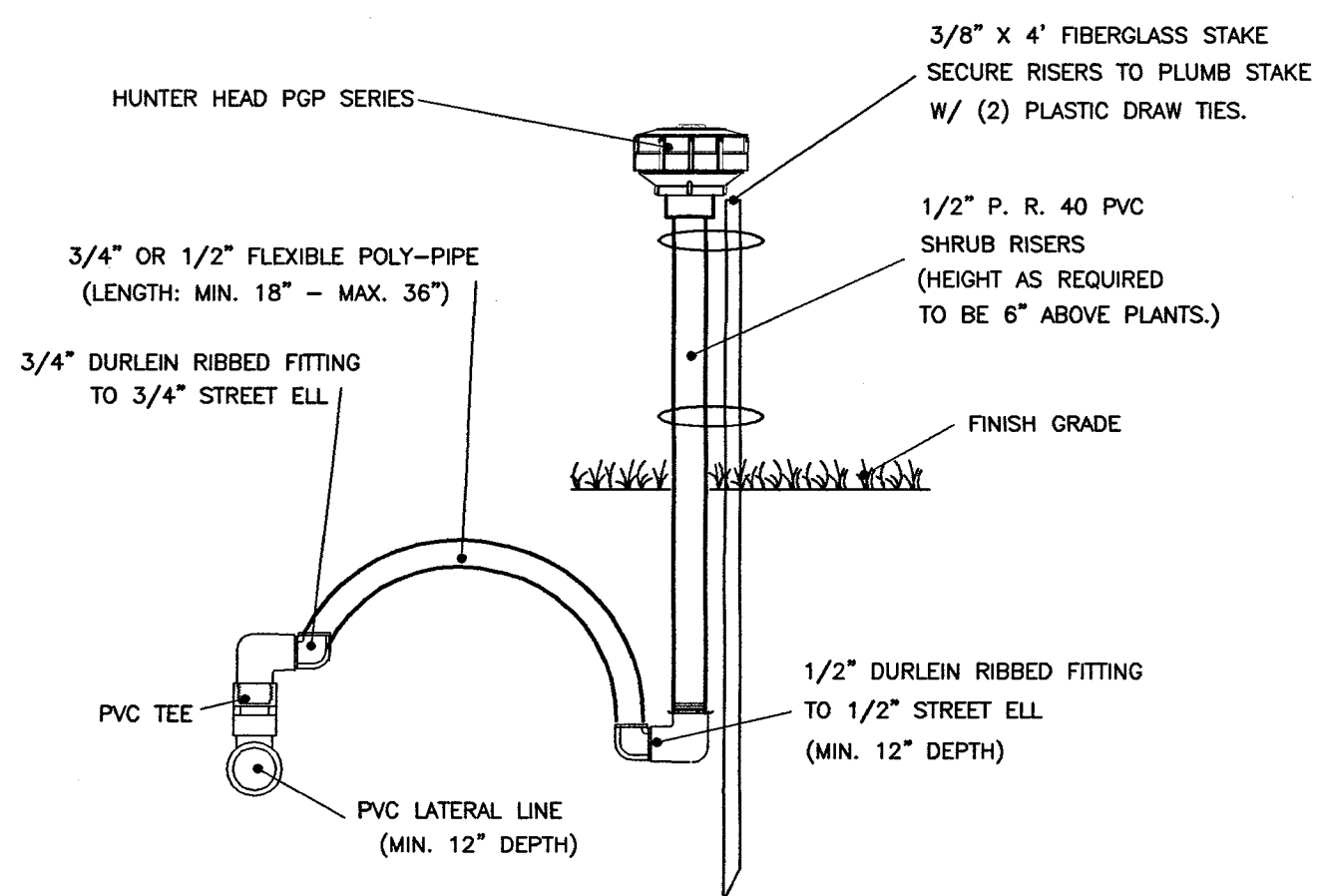


ELECTRIC PANEL AND CONTROLLER (POST MOUNTED) DETAIL

N.T.S.

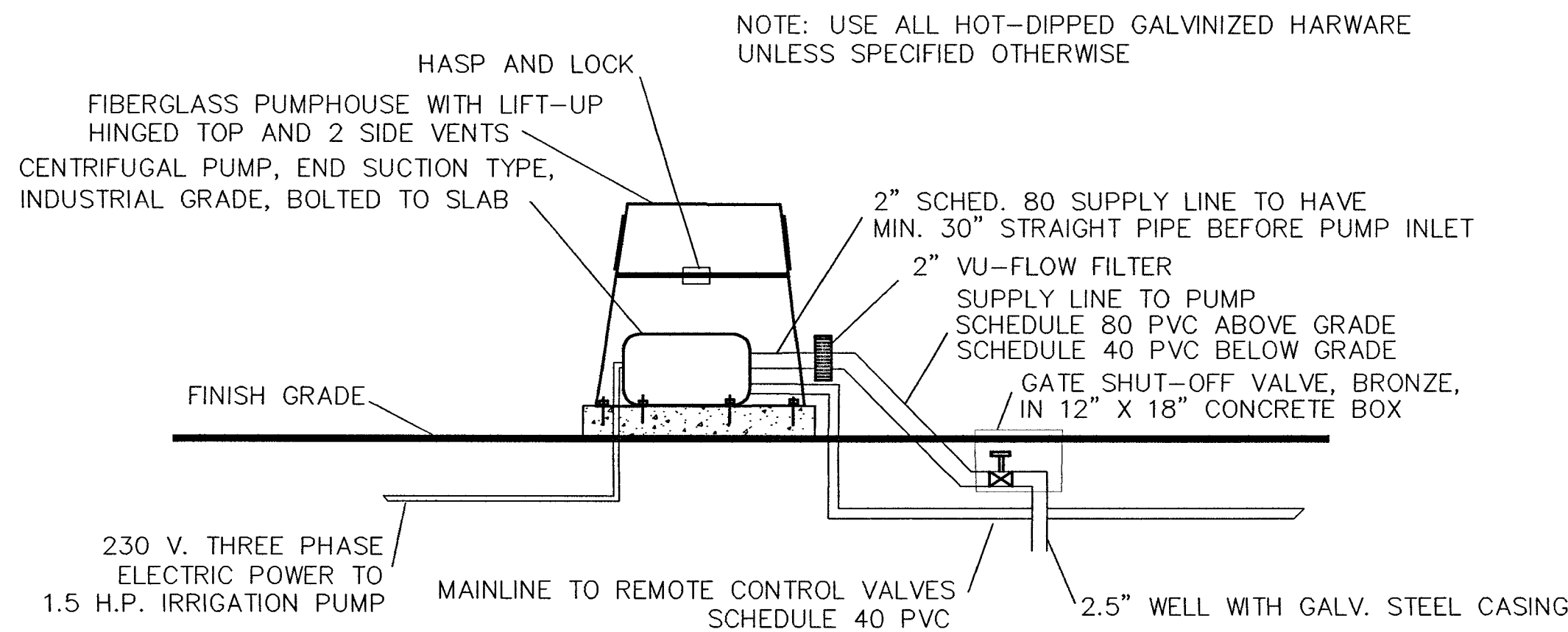
IRRIGATION NOTES

1. THE SYSTEM DESIGN REQUIRES MINIMUM 30 P.S.I. DELIVERED AT EACH TORO 570Z HEAD.
2. THE SYSTEM DESIGN ASSUMES A 2" FLOWING WELL, PROVIDED BY IRRIGATION CONTRACTOR AND COMPLYING WITH CITY OF SATELLITE BEACH CODES, WILL PROVIDE REQUIRED FLOW OF 85 G.P.M. CONTRACTOR IS TO SUBMIT WELL DRILLER'S REPORT BEFORE COMMENCING WITH FURTHER WORK. SUBMIT SALINITY TESTS FOR WELL WATER TO OWNER FOR APPROVAL.
3. ALL IRRIGATION INSTALLATIONS SHALL COMPLY WITH CITY OF SATELLITE CODES AND S.J.W.M.D. REGULATIONS. ALL REQUIRED PERMITS SHALL BE OBTAINED BY THE CONTRACTOR.
4. ALL PIPING UNDER PAVING OR CONCRETE MORE THAN 3' WIDE TO BE INSTALLED IN SCHEDULE 40 SLEEVE PIPES. CONTRACTOR SHALL INSTALL SLEEVES, CAP ENDS AND MARK LOCATIONS. CONTRACTOR SHALL PROVIDE PRECISE DIMENSIONS OF SLEEVE PIPE LOCATIONS ON AN AS-BUILT PLAN.
5. BURY ALL LATERAL PIPE LINES MIN. 12" BELOW GRADE. BURY ALL MAINLINE MIN. 18" BELOW GRADE. LAY ELECTRICAL LINES UNDER MAINLINE PIPE FOR PROTECTION.
6. IF DEVIATIONS FROM THE PIPE LAYOUT SHOWN ON THE PLAN ARE REQUIRED, PIPE SHALL BE SIZED IN STRICT ACCORDANCE WITH THE PIPE SIZING SCHEDULE.
7. ALL VALVES SHALL BE INSTALLED IN 9" DIAMETER HARD PLASTIC BOXES WITH COVERS. TOP OF VALVE BOX TO BE 1" ABOVE ROOT ZONE OF SOD AND TOP OF MULCH. ALL VALVES ARE TO BE 24 V. ELECTRIC WITH #14 GAUGE COLOR CODED WIRES. MARK BOX COVERS WITH ZONE NUMBERS WITH BLACK PAINT.
8. ALL POP-UP HEADS SHALL BE INSTALLED WITH A MIN. 18" AND MAX. 30" LENGTH OF 1/2" THICK-WALLED FLEXIBLE PIPE AND RIBBED FITTINGS. SEE DETAILS.
9. ALL HEADS SHALL BE ARRANGED IN ZONES WITH ONLY HEADS OF THAT SAME SERIES. CONTRACTOR SHALL INSURE THAT NOZZLES PROVIDE BALANCED COVERAGE FOR SIMILAR AREAS. CONTRACTOR IS TO SWITCH SPECIFIED NOZZLES WITH OTHERS IN SAME SERIES AS REQUIRED.
10. SPRINKLER HEAD AND PIPING LOCATIONS SHOWN ON DRAWING ARE SCHEMATIC. FIELD ADJUST AS REQUIRED DURING INSTALLATION TO AVOID UTILITIES, TREE LOCATIONS AND OTHER WORK. MAKE FIELD ADJUSTMENTS AS REQUIRED TO PROVIDE FULL COVERAGE WITH MIN. 95% OVERLAP. SUBSTITUTE NOZZLES OF THE SAME SERIES AS REQUIRED FOR WET OR DRY AREAS.
11. ALL HEADS AND NOZZLES SHALL BE INSTALLED AND ADJUSTED TO AVOID OVERSPRAY ONTO BUILDINGS, WALLS, AND PAVEMENT. SUBSTITUTE DIFFERENT NOZZLES OF SAME SERIES AS REQUIRED.
12. ALL HEADS LOCATED NEXT TO VEHICULAR USE PAVEMENT WITHOUT CURBING OR SIDEWALKS ARE TO BE INSTALLED 6" OFF EDGE OF SUCH PAVEMENT OR CONCRETE. ALL HEADS ARE TO BE INSTALLED MIN 12" OFF BUILDING WALLS.
13. CONTRACTOR IS TO INSTALL COMPLETE AUTOMATIC CONTROL SYSTEM.
14. CONTRACTOR IS TO INSTRUCT OWNERS STAFF ON MAINTENANCE, PROGRAMMING CONTROLLER AND ADJUSTING SYSTEM.



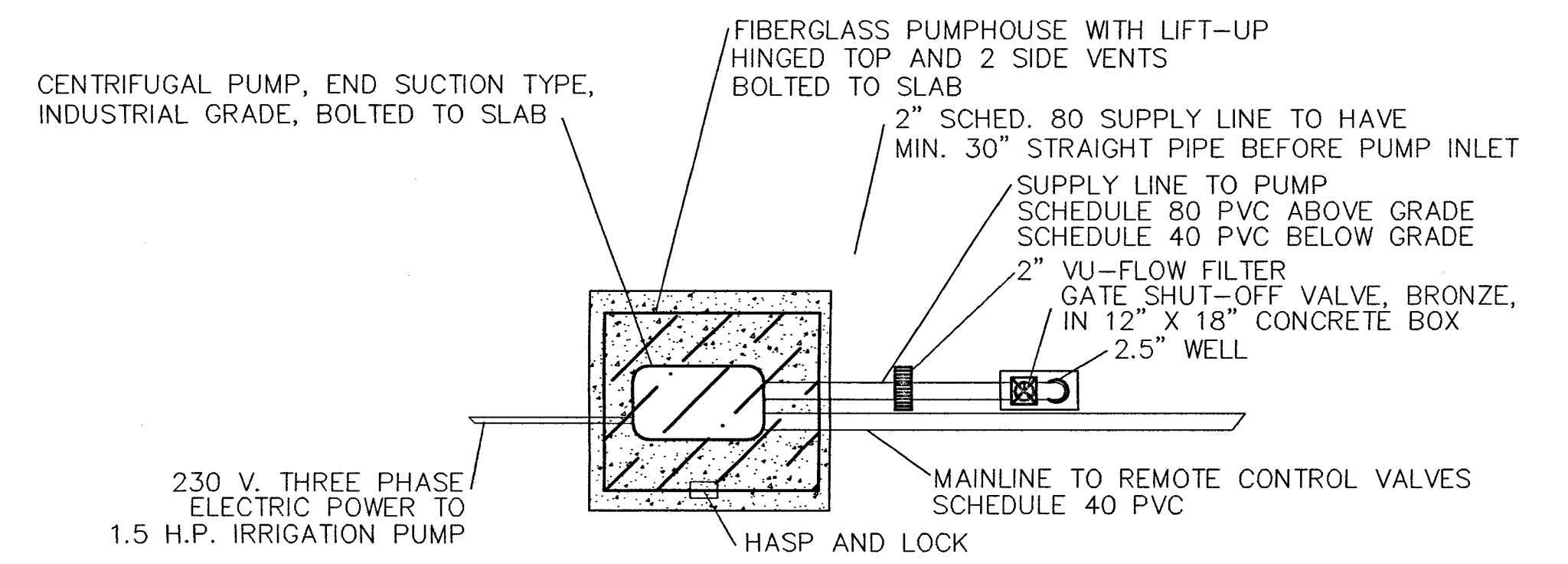
FIXED SPRAY SHRUB RISER HUNTER PGP SERIES

N.T.S.



PUMP STATION W/ WELL - SECTION

N.T.S.



PUMP STATION W/ WELL - PLAN

N.T.S.

REVISION	DATE	DESCRIPTION

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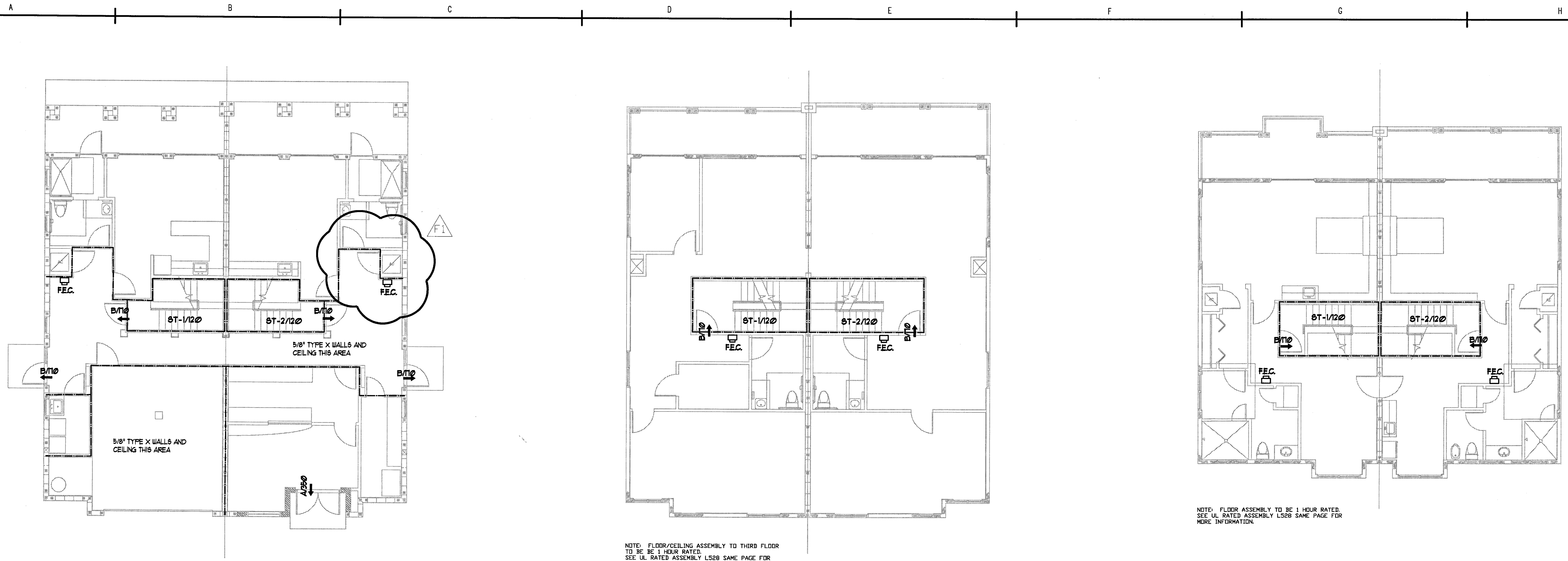
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 STATE OF FLA. REGISTERED LANDSCAPE ARCHITECT #1147

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IRRIGATION DETAILS

N.T.S.

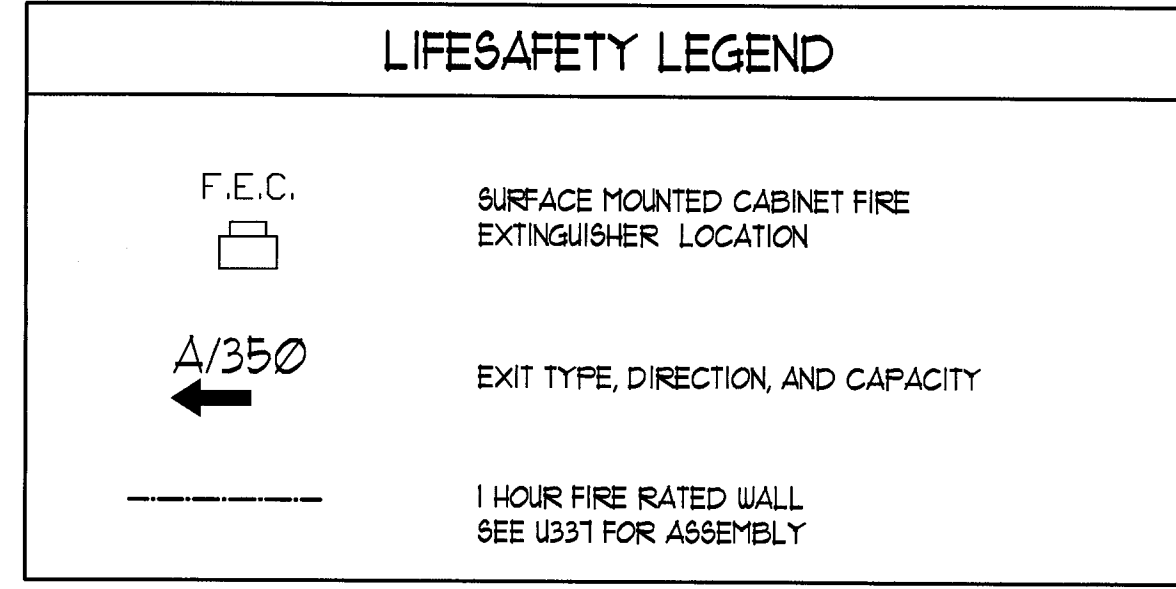
DATE	6/19/06
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CHECKED BY	HAECK
FILE NAME	L-LUNG RX-A.DWG
SHEET 4 OF 4	L-4



1 FIRST FLOOR LIFESAFETY PLAN
A0.1 1/8" = 1'-0"

2 SECOND FLOOR LIFESAFETY PLAN
A0.1 1/8" = 1'-0"

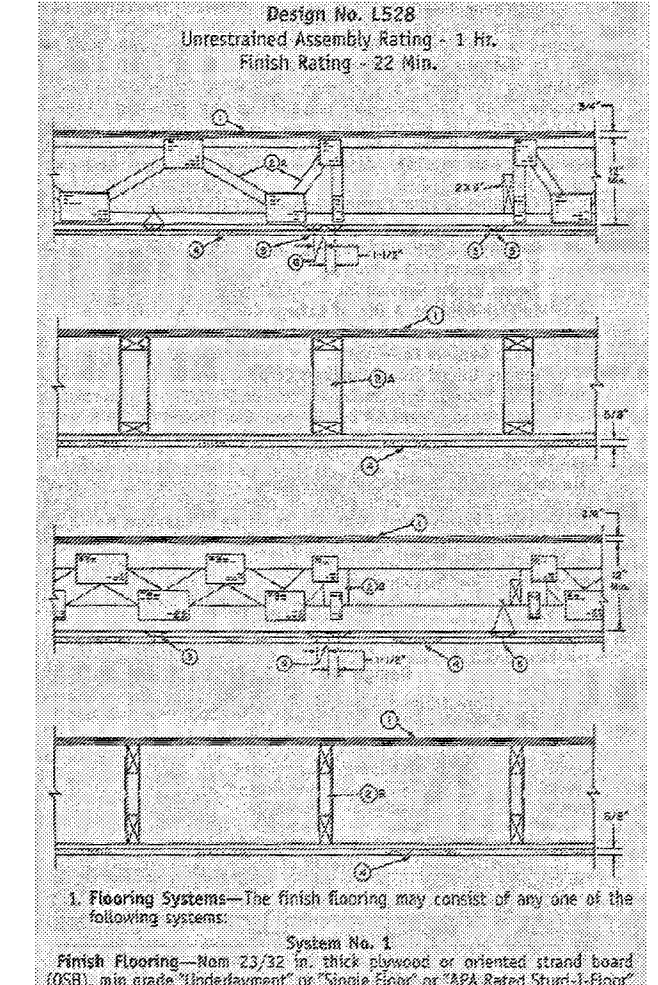
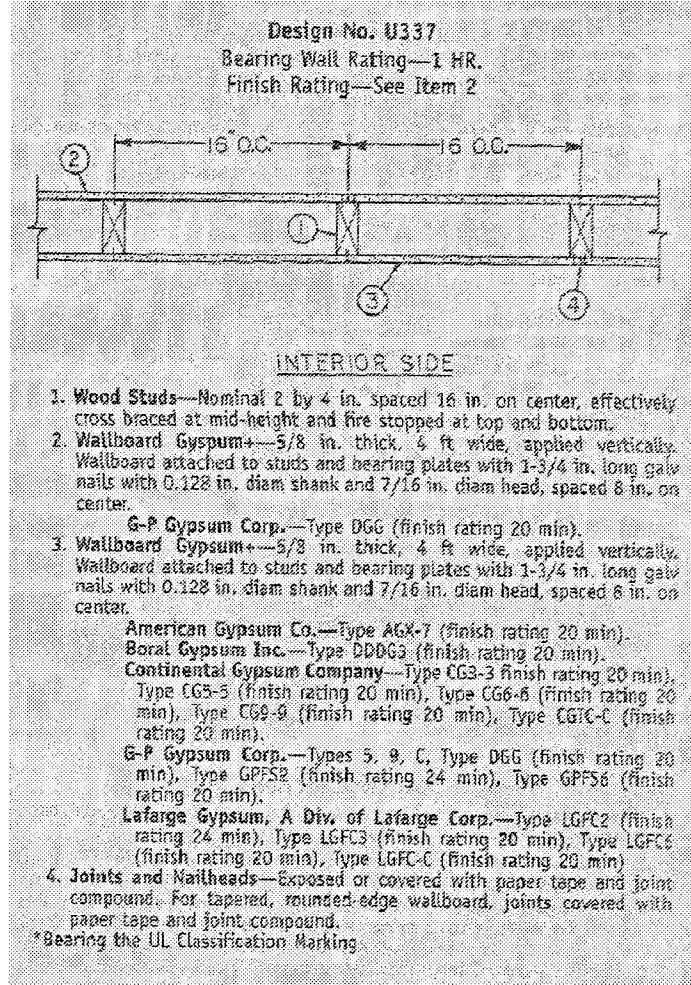
3 THIRD FLOOR LIFESAFETY PLAN
A0.1 1/8" = 1'-0"



EGRESS CAPACITY LEGEND

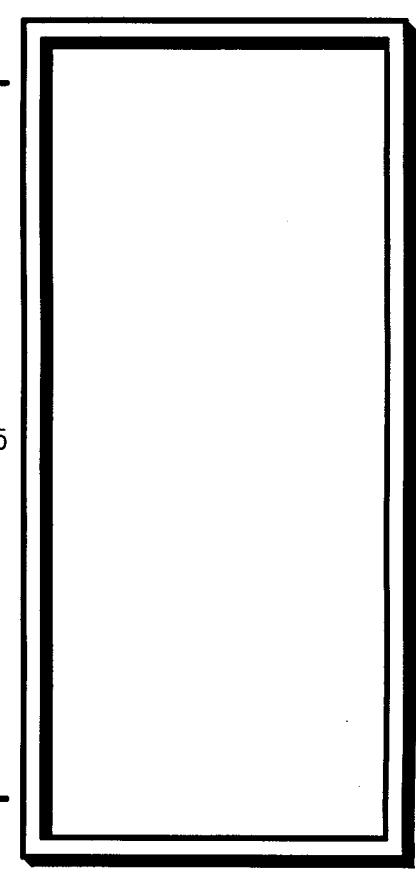
MARK	DOOR WIDTH	ACTUAL	EGRESS DIVISOR	MAXIMUM CAPACITY OF OPENING TYPE
A	6'-0" x 1'-0"	10"	1/2	350 PEOPLE
B	3'-0" x 1'-0"	34"	1/2	110 PEOPLE
DESCRIPTION	STAIR WIDTH			
ST-1	NORTH STAIR	36"	1/3	120 PEOPLE
ST-2	SOUTH STAIR	36"	1/3	120 PEOPLE

INFORMATION USED AS PER LIFE F.B.C. 2004

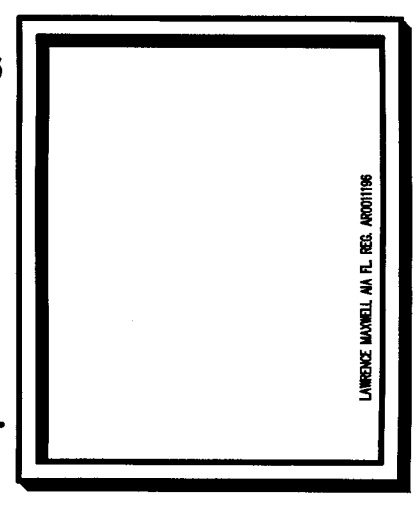


REVISIONS

REV.	NO.	DATE	REVISION
1	08.15.06		REVISED FIRE RATED ASSEMBLY LOCATION



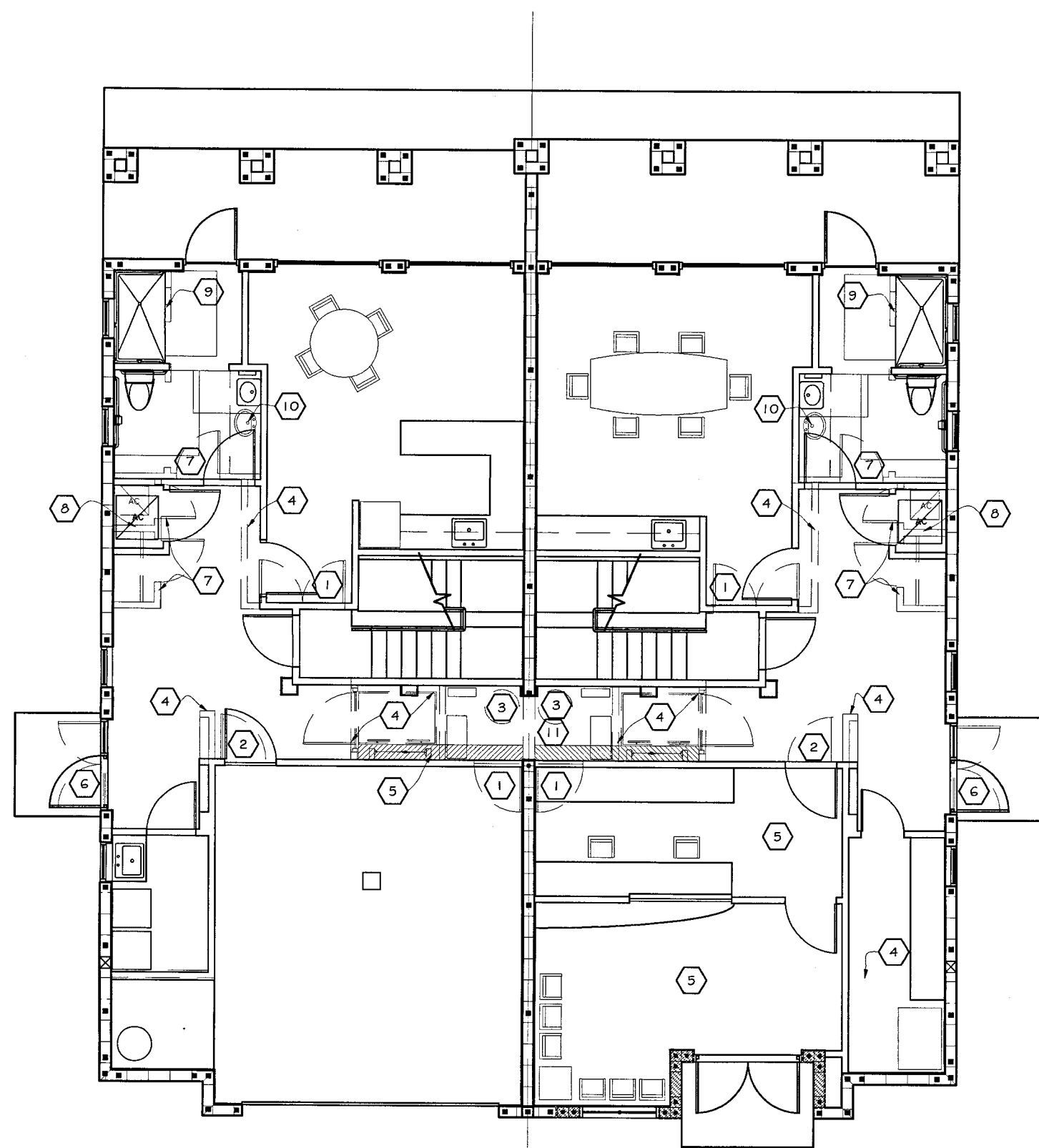
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EMAIL Larry.spacecast@cfll.com



ARCHITECTURAL
PROJECT NAME:
LUNG RENOVATION OF
BELLAVISTA TOWNHOUSES
SATELLITE BEACH, FLORIDA 32937

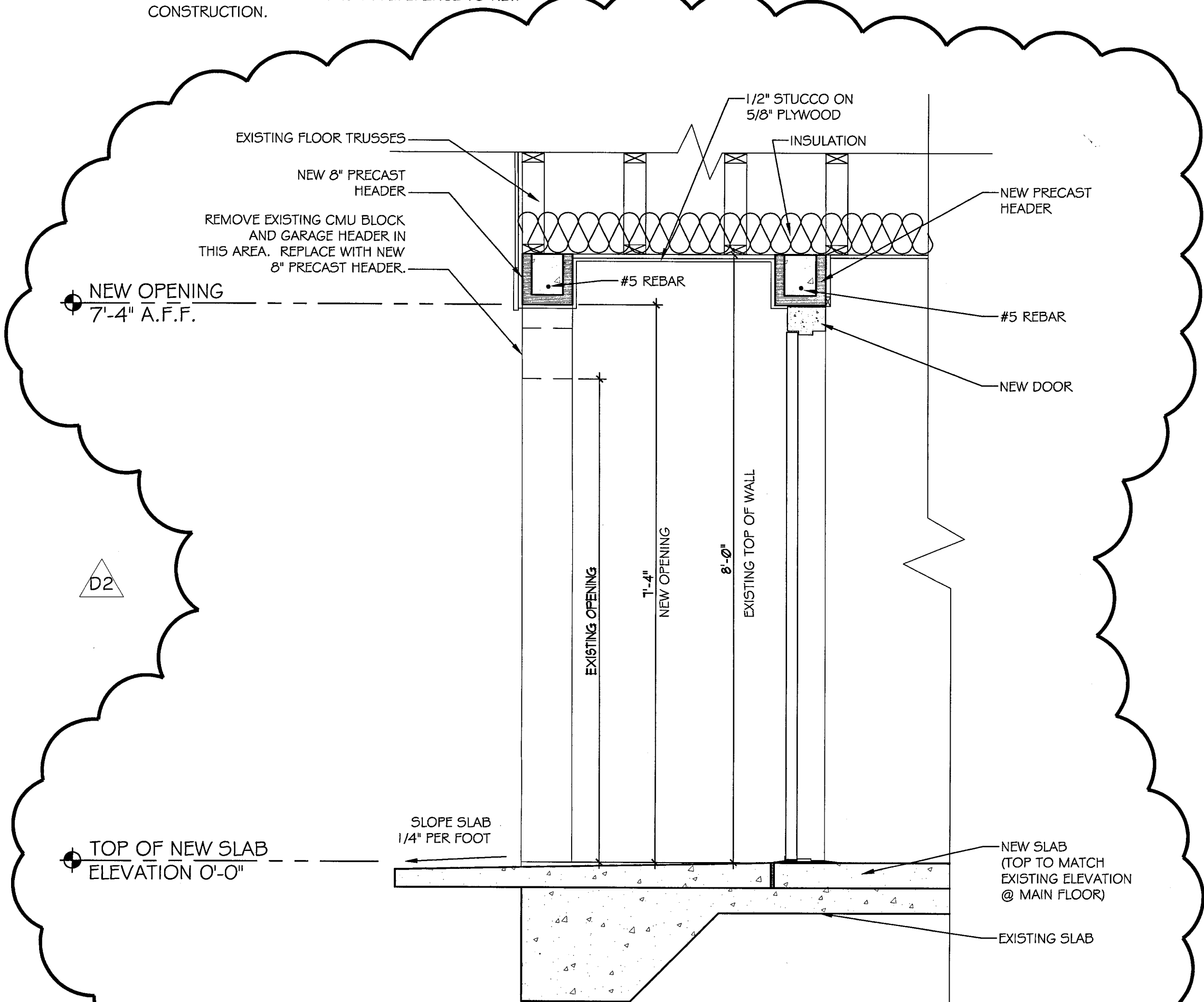
NO. 0510 DATE 03.31.06
BY CA DESIGNED BY LM
CHECKED BY
A0.1
LIFE SAFETY PLAN

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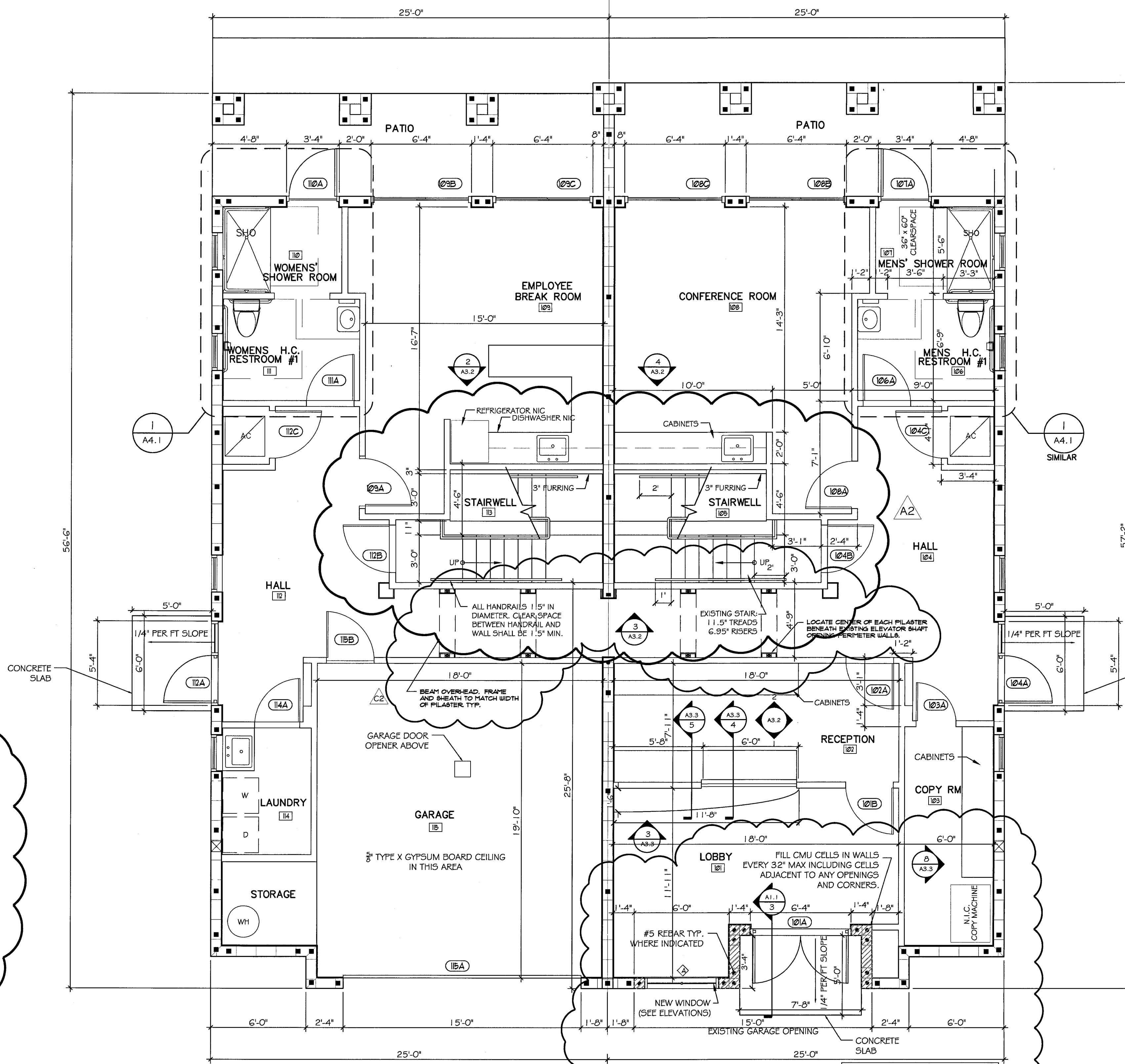


1 FIRST FLOOR PLAN W/ EXISTING WALLS DASHED
 SCALE: 1/8" = 1'-0" FOR GENERAL INFORMATION ONLY. CONTRACTOR RESPONSIBLE TO FIELD VERIFY ALL CONDITIONS.

ABOVE DRAWING ILLUSTRATES NEW PLAN OVERLAPPING EXISTING PLAN. DASHED LINES INDICATE EXISTING WALL FRAMING, DOOR OPENINGS, AND EQUIPMENT LOCATIONS IN REFERENCE TO NEW CONSTRUCTION.



3 SECTION THRU ENTRY ALCOVE
 SCALE: 3/4" = 1'-0"



2 FIRST FLOOR PLAN
 SCALE: 1/4" = 1'-0"

NOTES

- ALL GYPSUM BOARD TO BE 5/8" MIN. DENS-GLASS SILVER FOR WALLS AND CEILINGS, DENS-ARMOR PLUS FOR RATED ASSEMBLIES AND DENS-GLASS TILE BACKER FOR RESTROOM TILE ASSEMBLIES.
- ALL WOOD STUDS TO BE 3 1/2" MIN.
- PROVIDE FIBERGLASS ACOUSTICAL/THERMAL BATS IN RESTROOM WALLS & WALLS BETWEEN OFFICES.
- EXTERIOR THERMAL INSULATION TO BE 6" FIBERGLASS BATS AND R-30 MIN AT EXTERIOR WALLS AND CEILING OF THIRD FLOOR.
- PROVIDE (1) PRIMER COAT & (2) FINISH COATS INTERIOR LATEX EGG SHELL FINISH TO ALL WALLS.

GENERAL NOTES

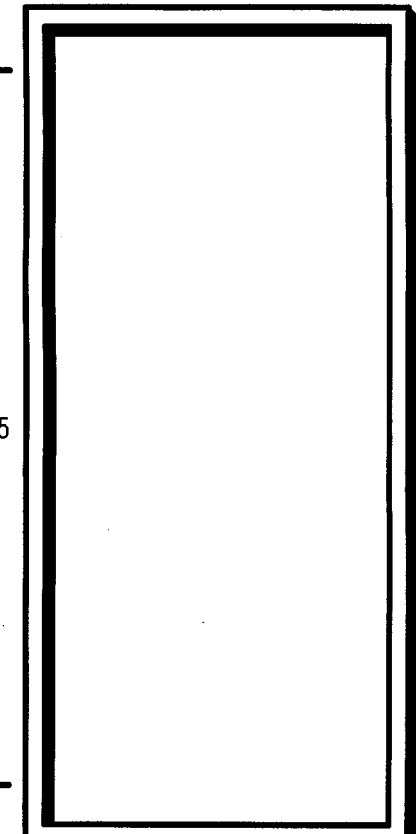
- INFILL DOOR OPENING WITH CONTINUOUS STUD WALL. SEE FLOOR PLAN FOR NEW LOCATION.
- REMOVE DOOR OPENING REFRAME FOR NEW DOOR SIZE.
- RELOCATE PLUMBING FOR WATER HEATER. SEE FLOOR PLAN FOR NEW LOCATION.
- REMOVE STUD WALL. PATCH AND REPAIR SLAB/FLOOR.
- ADD CONCRETE SLAB. LEVEL WITH INTERIOR SLAB ELEVATION.
- NEW SINGLE DOOR WITH SIDE LITE. SEE FLOOR PLAN AND SCHEDULE FOR REQUIREMENTS.
- REMOVE STUD WALL FRAMING.
- RELOCATE PLUMBING. SEE PLUMBING LAYOUT FOR NEW LAYOUT.
- REMOVE LOW WALL FOR ACCESSIBLE SHOWER.
- RELOCATE PLUMBING FOR NEW SINK.
- CREATE OPENING IN CMU WALL. SEE FLOOR PLAN FOR DIMENSIONS. PATCH AND REPAIR.
- INFILL FLOOR FRAMING.
- REMOVE SHOWER. FINISHED FLOOR TO BE LEVEL WITH SURROUNDING FLOOR.
- CREATE NEW DOOR OPENING. SEE FLOOR PLAN AND SCHEDULE FOR DIMENSIONS.

NOTE: EPOXY ALL NEW REBAR INTO EXISTING FLOOR SLABS PRIOR TO POURING NEW FLOOR SLAB.

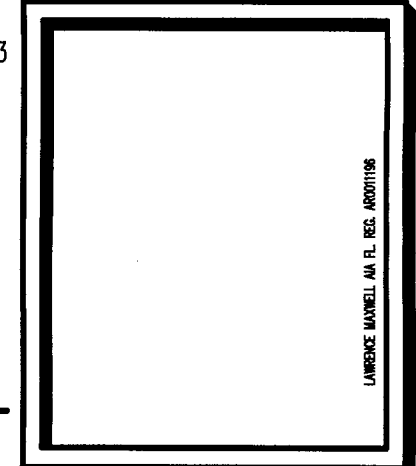
NOTE: AT UNDERSIDES OF SECOND AND THIRD FLOOR BALCONIES, ADD (1) LAYER DENS-GARD SHEATHING AND VINYL SOFFITTING TO MATCH SOFFITS AT BALANCE OF BUILDING.

WALL LEGEND	
1	EXTERIOR FINISH - SEE ELEVATIONS INTERIOR FINISH - 1x FURRING STRIPS @ 16" O.C. 8" CMU WALL W/ 1/2" GYP. BD.
2	EXTERIOR WALL = 2" X 6" WD. STUDS @ 16" O.C. EXTERIOR FINISH - SEE ELEVATIONS INTERIOR FINISH - 5/8" TYPE 'X' GYP. BD.
3	INTERIOR WALL = 2" X 4" WD. STUD WALL @ 16" O.C. W/ GYP. BD. EACH SIDE
4	8" CMU WALL W/ 1/2" GYP. BD. EACH SIDE OF INTERIOR CMU WALL

REVISIONS			
REV.	NO.	DATE	REMARKS
2	05.17.06		STAIRS REVISED
2	07.13.06		CORRIDOR PLASTER REVISED
1	07.17.06		DOOR HEADER AND SHIRT ALCOVE REVISED
2	07.17.06		NEW DOOR HEADER AND ENTRY ALCOVE SECTION

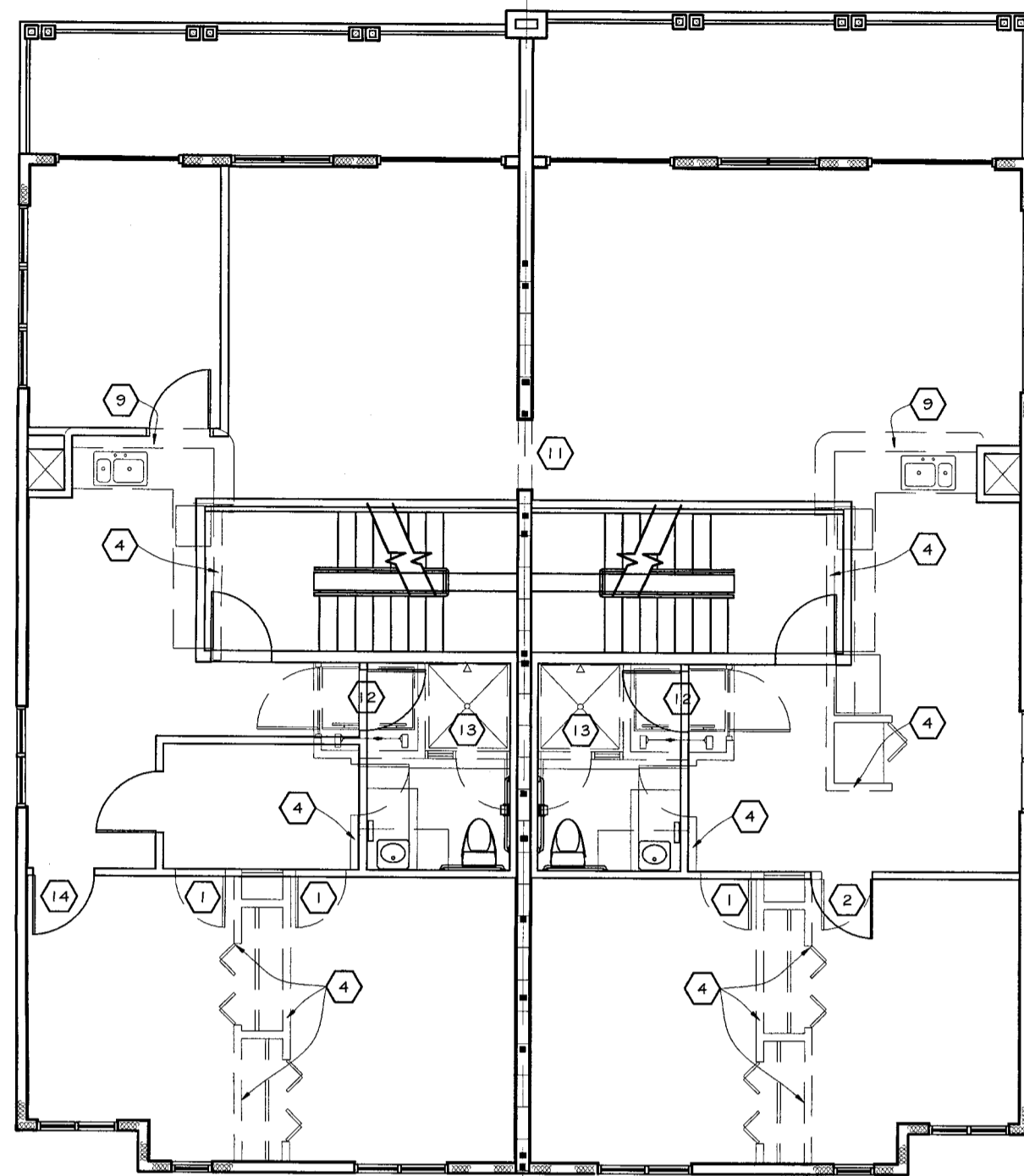


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ARCHITECTURAL
 PROJECT NAME:
 LUNG RX RENOVATION OF
 BELLEVISTA TOWNHOUSES
 SATELLITE BEACH, FLORIDA 32937

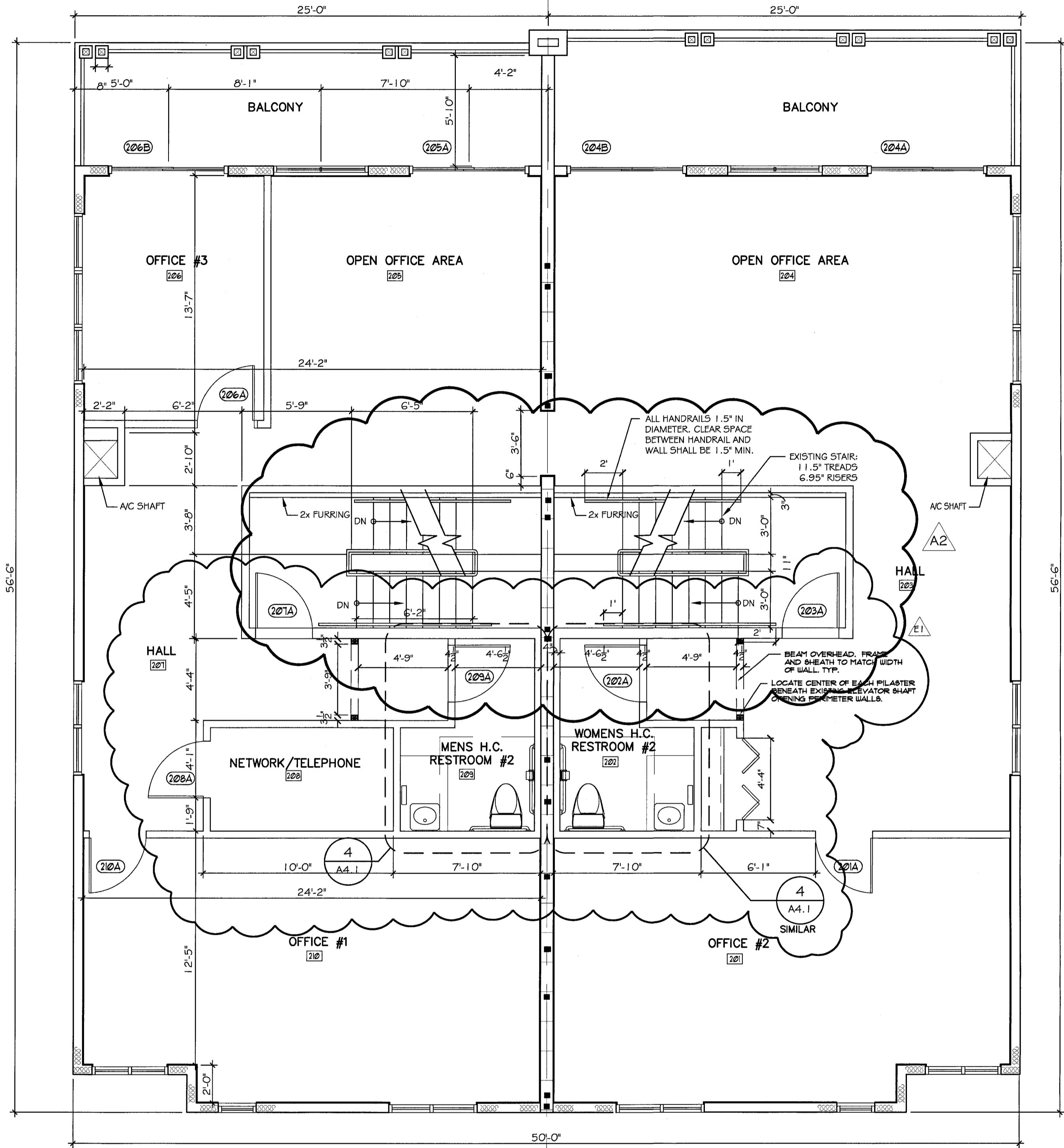
REV. 05.10	DATE 03.31.06
DESIGN BY: MTM	DATE: LM
SHEET NO. A1.1	
FLOOR PLANS	



1 SECOND FLOOR PLAN W/ EXISTING WALLS DASHED
 SCALE: 1/8" = 1'-0" FOR GENERAL INFORMATION ONLY. CONTRACTOR RESPONSIBLE TO FIELD VERIFY ALL CONDITIONS.

ABOVE DRAWING ILLUSTRATES NEW PLAN OVERLAPPING EXISTING PLAN. DASHED LINES INDICATE EXISTING WALL FRAMING, DOOR OPENINGS, AND EQUIPMENT LOCATIONS IN REFERENCE TO NEW CONSTRUCTION.

- GENERAL NOTES**
1. INFILL DOOR OPENING WITH CONTINUOUS STUD WALL. SEE FLOOR PLAN FOR NEW LAYOUT.
 2. REMOVE DOOR OPENING REFRAME FOR NEW DOOR SIZE.
 3. RELOCATE PLUMBING FOR WATER HEATER. SEE FLOOR PLAN FOR NEW LOCATION.
 4. REMOVE STUD WALL. PATCH AND REPAIR SLAB/FLOOR.
 5. ADD CONCRETE SLAB. LEVEL WITH INTERIOR SLAB ELEVATION.
 6. NEW SINGLE DOOR WITH SIDE LITE. SEE FLOOR PLAN AND SCHEDULE FOR REQUIREMENTS.
 7. REMOVE STUD WALL FRAMING.
 8. RELOCATE PLUMBING. SEE PLUMBING LAYOUT FOR NEW LAYOUT.
 9. REMOVE LOW WALL FOR ACCESSIBLE SHOWER.
 10. RELOCATE PLUMBING FOR NEW SINK.
 11. CREATE OPENING IN CMU WALL. SEE FLOOR PLAN FOR DIMENSIONS. PATCH AND REPAIR.
 12. INFILL FLOOR FRAMING.
 13. REMOVE SHOWER. FINISHED FLOOR TO BE LEVEL WITH SURROUNDING FLOOR.
 14. CREATE NEW DOOR OPENING. SEE FLOOR PLAN AND SCHEDULE FOR DIMENSIONS.



2 SECOND FLOOR PLAN
 SCALE: 1/4" = 1'-0"

NOTES

1. ALL GYPSUM BOARD TO BE 5/8" MIN. DENS-GLASS SILVER FOR WALLS AND CEILINGS, DENS-ARMOR PLUS FOR RATED ASSEMBLIES AND DENS-GL69 TILE BACKER FOR RESTROOM TILE ASSEMBLIES.
2. ALL WOOD STUDS TO BE 3 1/2" MIN.
3. PROVIDE FIBERGLASS ACOUSTICAL/THERMAL BATS IN RESTROOM WALLS & WALLS BETWEEN OFFICES.
4. EXTERIOR THERMAL INSULATION TO BE 6" FIBERGLASS BATTES AND R-30 MIN AT EXTERIOR WALLS AND CEILING OF THIRD FLOOR.
5. PROVIDE (1) PRIMER COAT & (2) FINISH COATS INTERIOR LATEX EGG SHELL FINISH TO ALL WALLS.

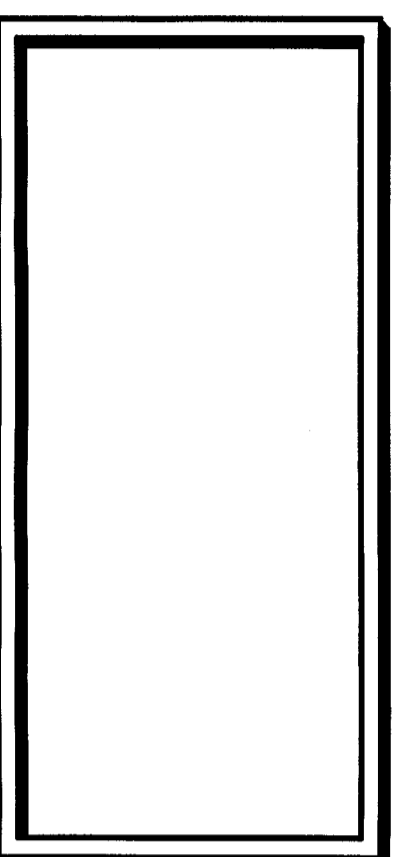
GENERAL NOTE: REPLACE DAMAGED DOORS 205A AND 206B TO MATCH EXISTING DOORS AND IMPACT RATING.
 NOTE: AT UNDERSIDE OF SECOND AND THIRD FLOOR BALCONIES, ADD (1) LAYER DENS-GARD SHEATHING AND VINYL SOFFITTING TO MATCH SOFFITTS AT BALANCE OF BUILDING.

WALL LEGEND

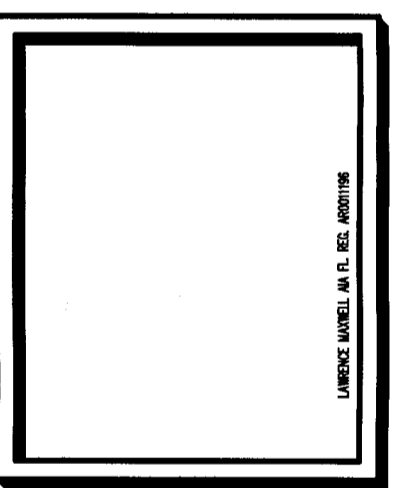
1	8" CMU WALL	EXTERIOR FINISH - SEE ELEVATIONS INTERIOR FINISH - 1x FURRING STRIPS @ 16" O.C. W/ 1/2" GYP. BD.
2	EXTERIOR WALL = 2' X 6" WD. STUDS @ 16" O.C. EXTERIOR FINISH - SEE ELEVATIONS INTERIOR FINISH - 5/8" TYPE "X" GYP. BD.	
3	INTERIOR WALL = 2" X 4" WD. STUD WALL @ 16" O.C. W/GYP. BD. EACH SIDE	
4	8" CMU WALL W/1/2" GYP. BD. EACH SIDE OF TENANT SEPARATION (1 HOUR RATED)	

REVISIONS

REV.	NO.	DATE	REVISIONS
2	05/17/06		STAIRS REVERSED
1	07/18/06		REVISED TO ALLOW FOR ADDED DOOR HEADER

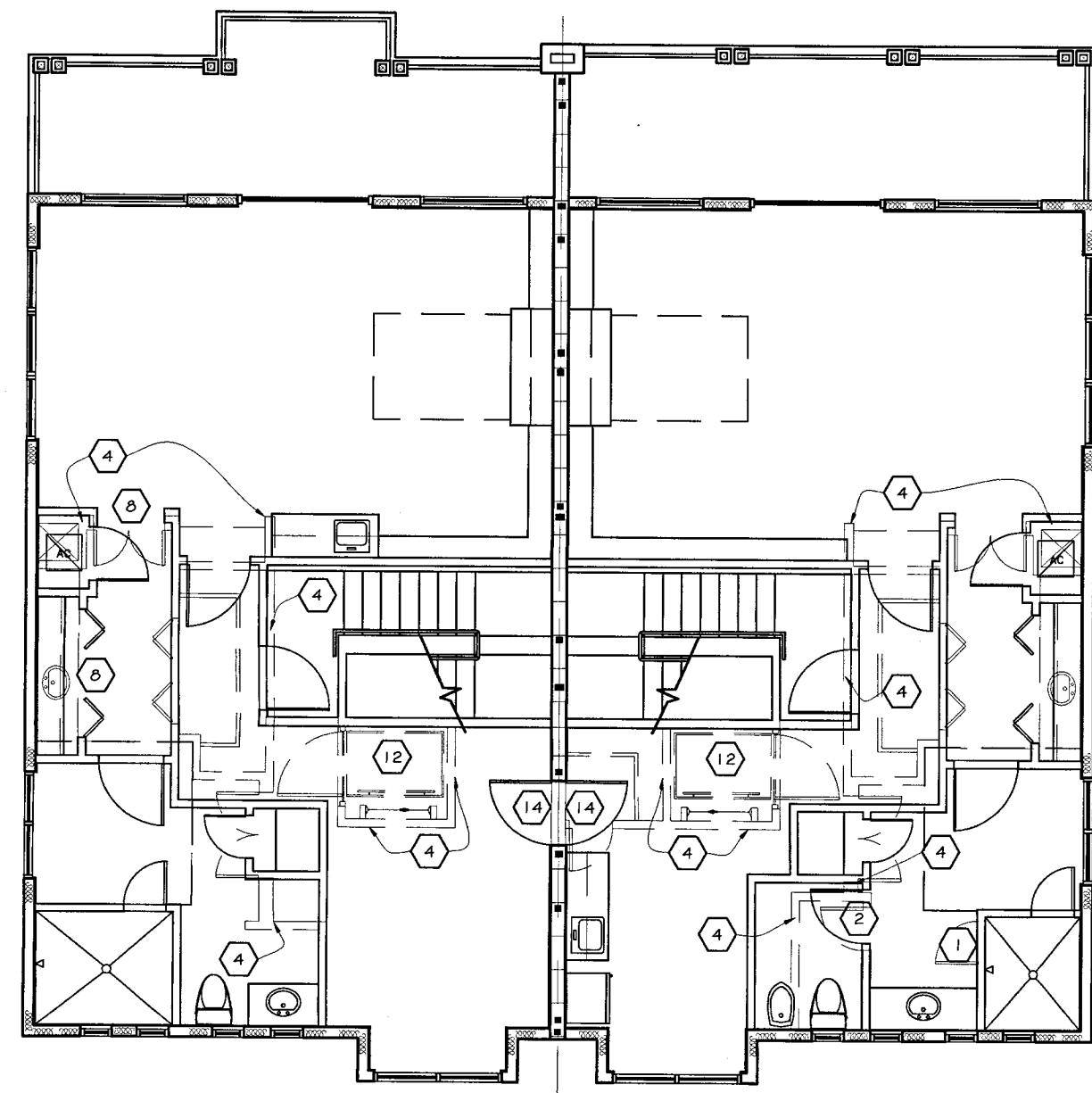


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ARCHITECTURAL
 PROJECT NAME:
 LUNG RX RENOVATION OF
 BELLAVISTA TOWNHOUSES
 SATELLITE BEACH, FLORIDA 32937

REV. # 0510 DATE 03.31.06
 DESIGNED BY: MTM
 DRAWN BY: LM
 SHEET NO. **A1.2**
 FLOOR PLANS

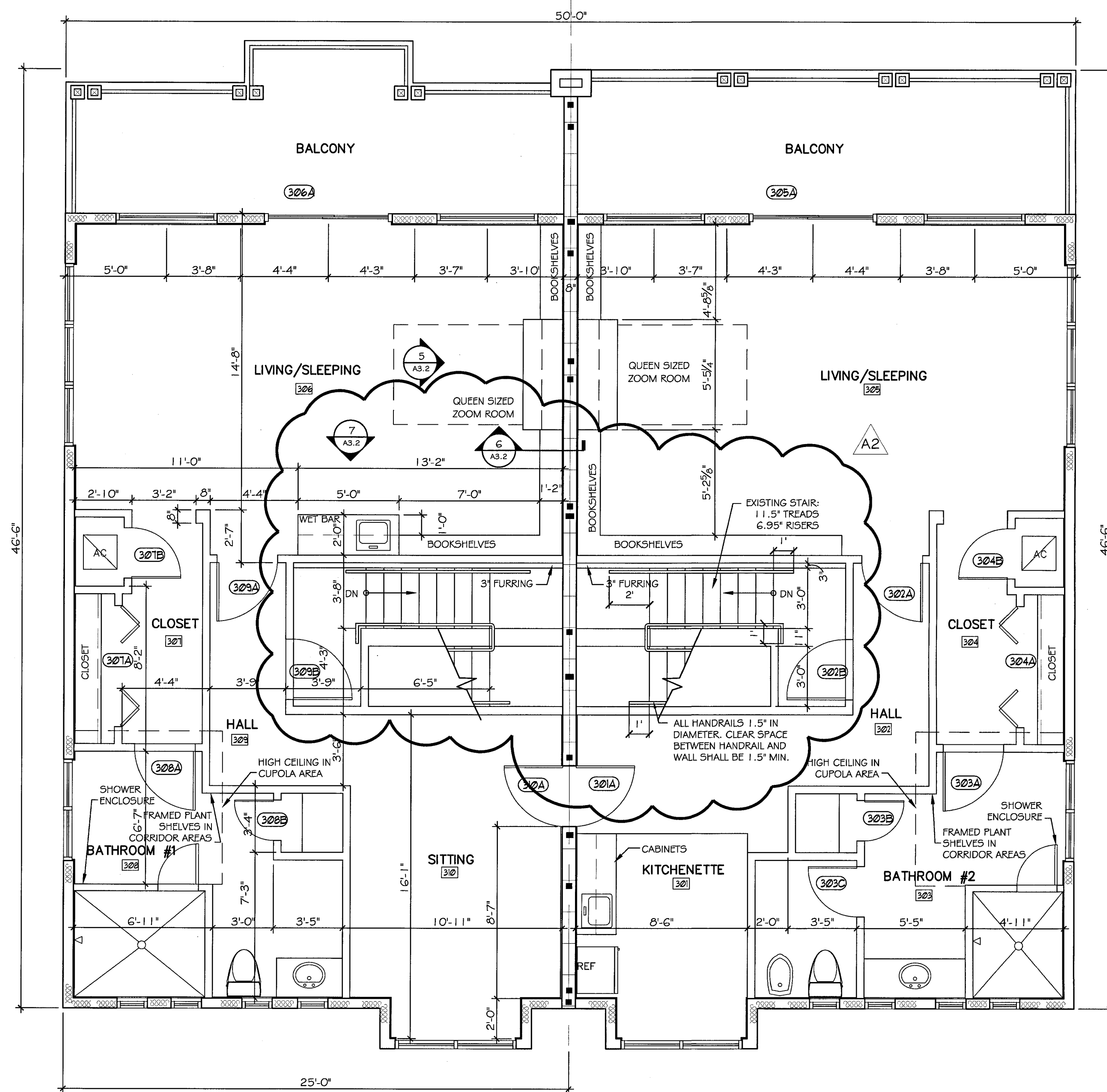


1 THIRD FLOOR PLAN W/ EXISTING WALLS DASHED
SCALE: 1/8" = 1'-0" FOR GENERAL INFORMATION ONLY. CONTRACTOR RESPONSIBLE TO FIELD VERIFY ALL CONDITIONS.

ABOVE DRAWING ILLUSTRATES NEW PLAN OVERLAPPING EXISTING PLAN. DASHED LINES INDICATE EXISTING WALL FRAMING, DOOR OPENINGS, AND EQUIPMENT LOCATIONS IN REFERENCE TO NEW CONSTRUCTION.

GENERAL NOTES

1. INFILL DOOR OPENING WITH CONTINUOUS STUD WALL. SEE FLOOR PLAN FOR NEW LAYOUT.
2. REMOVE DOOR OPENING REFRAME FOR NEW DOOR SIZE.
3. RELOCATE PLUMBING FOR WATER HEATER. SEE FLOOR PLAN FOR NEW LOCATION.
4. REMOVE STUD WALL. PATCH AND REPAIR SLAB/FLOOR.
5. ADD CONCRETE SLAB. LEVEL WITH INTERIOR SLAB ELEVATION.
6. NEW SINGLE DOOR WITH SIDE LITE. SEE FLOOR PLAN AND SCHEDULE FOR REQUIREMENTS.
7. REMOVE STUD WALL FRAMING.
8. RELOCATE PLUMBING. SEE PLUMBING LAYOUT FOR NEW LAYOUT.
9. REMOVE LOW WALL FOR ACCESSIBLE SHOWER.
10. RELOCATE PLUMBING FOR NEW SINK.
11. CREATE OPENING IN CMU WALL. SEE FLOOR PLAN FOR DIMENSIONS. PATCH AND REPAIR.
12. INFILL FLOOR FRAMING.
13. REMOVE SHOWER. FINISHED FLOOR TO BE LEVEL WITH SURROUNDING FLOOR.
14. CREATE NEW DOOR OPENING. SEE FLOOR PLAN AND SCHEDULE FOR DIMENSIONS.



2 THIRD FLOOR PLAN
SCALE: 1/4" = 1'-0"
NORTH

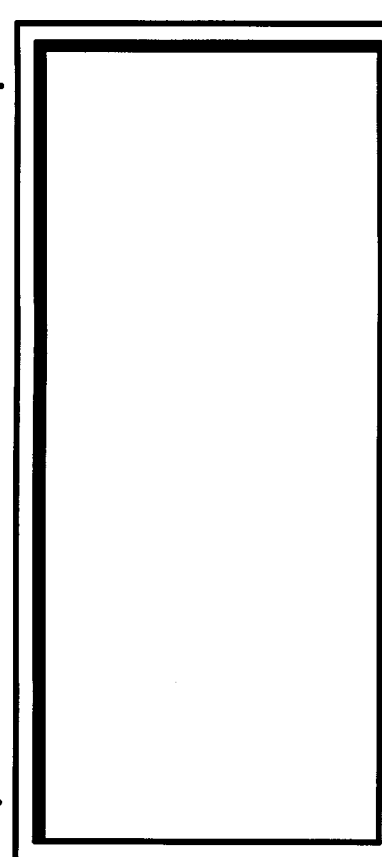
NOTES

1. ALL GYPSUM BOARD TO BE 5/8" MIN. DENS-GLASS SILVER FOR WALLS AND CEILINGS, DENS-ARMOR PLUS FOR RATED ASSEMBLIES AND DENS-GLASS TILE BACKER FOR RESTROOM TILE ASSEMBLIES.
2. ALL WOOD STUDS TO BE 3 1/2" MIN.
3. PROVIDE FIBERGLASS ACCOUSTICAL/THERMAL BATS IN RESTROOM WALLS & WALLS BETWEEN OFFICES.
4. EXTERIOR THERMAL INSULATION TO BE 6" FIBERGLASS BATT'S AND R-30 MIN AT EXTERIOR WALLS AND CEILING OF THIRD FLOOR.
5. PROVIDE (1) PRIMER COAT & (2) FINISH COATS INTERIOR LATEX EGG SHELL FINISH TO ALL WALLS.

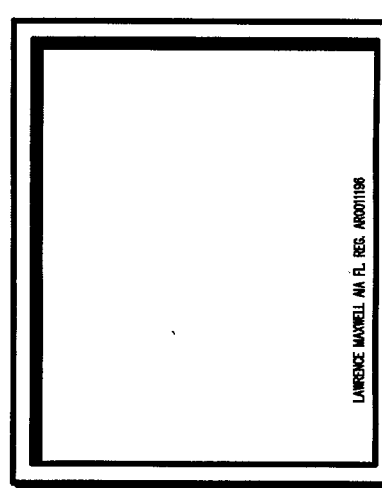
NOTE: AT UNDERSIDE OF SECOND AND THIRD FLOOR BALCONIES, ADD (1) LAYER DENS-GARD SHEATHING AND VINYL SOFFITTING TO MATCH SOFFITTS AT BALANCE OF BUILDING.

WALL LEGEND	
1	EXTERIOR FINISH - SEE ELEVATIONS INTERIOR FINISH - 1x FURRING STRIPS @ 16" O.C. 8" CMU WALL W/ 1/2" GYP. BD.
2	EXTERIOR WALL = 2" X 6" WD. STUDS @ 16" O.C. EXTERIOR FINISH - SEE ELEVATIONS INTERIOR FINISH - 5/8" TYPE "X" GYP. BD.
3	INTERIOR WALL = 2" X 4" WD. STUD WALL @ 16" O.C. W/GYP. BD. EACH SIDE
4	8" CMU WALL W/ 1/2" GYP. BD. EACH SIDE OF TENANT SEPARATION (1 HOUR RATED)

REVISIONS			
NO.	DATE	BY	REMARKS
1	05.17.06		STARTS REVIEWED



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ARCHITECTURAL
PROJECT NAME:
LIVING RENOVATION OF
BELLAVISTA TOWNHOUSES
SATELLITE BEACH, FLORIDA 32937

REVISED 0510 DATE 03.31.06
DRAWN BY MTM CHECKED BY LM
DATE 03/03/06
SHEET NO. **A1.3**
FLOOR PLANS



1 EAST ELEVATION
A2.1
1/8" = 1'-0"



1 WEST ELEVATION
A2.1
1/8" = 1'-0"



1 NORTH ELEVATION
A2.1
1/8" = 1'-0"

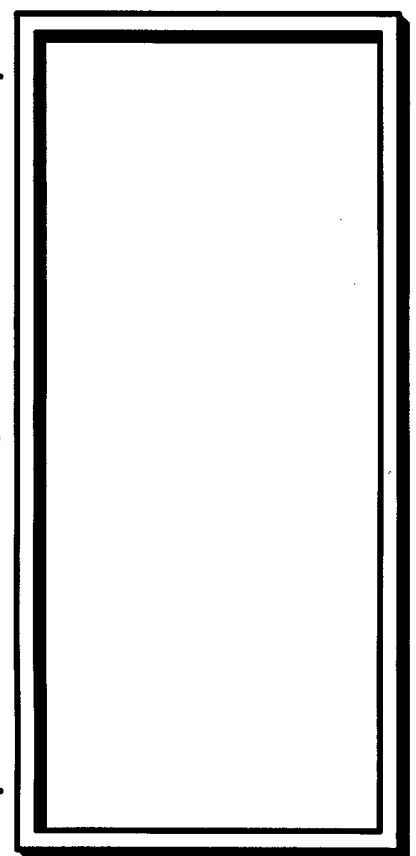


1 SOUTH ELEVATION
A2.1
1/8" = 1'-0"

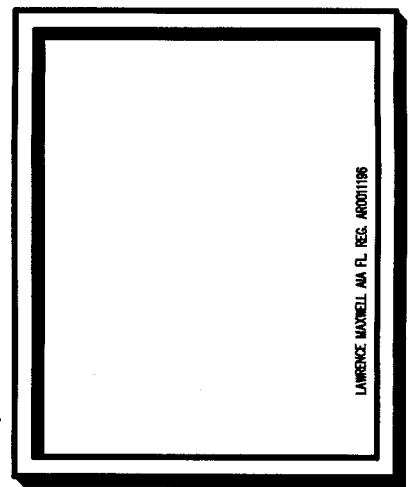
- EXISTING EXTERIOR FINISHES FOR INFORMATION ONLY
1. STANDING BEAM MTL. ROOF
 2. 8" HARDPLANK WINDOW TRIM
 3. 8" DIA. DECORATIVE COLUMNS
 4. DECORATIVE HARDPLANK SIDING
 5. ALUM. RAILING - DECORATIVE IN THE FRONT (SEE ELEVATIONS)
 6. 12" TRIM PIECE W/ 4" OVERLAP TRIM
 7. VENEER - CULTURED STONE
 8. FYPON MEDIUM SPIRE - PART NO. 045100
 9. GABLE DECORATIVE PIECE - FYPON (SEE DETAIL)
 10. FYPON DECORATIVE BRACKET - PART NO. 059100 (HEIGHT: 15 1/8" WIDTH: 2" PROJECTION: 15 1/8")
 11. BALCONY FASCIA TRIM PIECE - 10" BASE W/ 4" OVERLAP
 12. 12" HIGH LATTICE - SEE DIAG. 1/A32 FOR DETAIL
 13. 4" HARDPLANK TRIM BAND
 14. 2" X 8" ALUMINUM COVER FASCIA
 15. HARDPLANK LAP SIDING
 16. 6" HARDPLANK TRIM BAND
 17. 14" BASE TRIM W/ 6" OVERLAP TRIM
 18. DECORATIVE WOOD ENTRANCE W/BRACKET
 19. 4" HARDPLANK CORNER TRIM

NOTE: EXISTING EXTERIOR ELEVATIONS AND FINISHES SHOWN FOR INFORMATION ONLY.

REVISIONS			
NO.	DATE	BY	REVISIONS



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ARCHITECTURAL
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 LUNG RX RENOVATION OF
 BELLAVISTA TOWNHOUSES
 SATELLITE BEACH, FLORIDA 32937

REV: 0510 DATE: 03.31.06
 DRAWN BY: LM
 CHECKED BY:
 SHEET NO.
A2.1
 ELEVATIONS

FIRST FLOOR ROOM FINISH SCHEDULE										
NO.	ROOM NAME	FLOOR	BASE	WALLS - FGB			REMARKS			
				EAST	SOUTH	WEST				
01	LOBBY	CT-1	CB-4	SU-6648	SU-6644	SU-6644	CT-4/CT-5 SEE TILE PLAN 1/A3.1			
02	RECEPTION	CT-1	CB-4	SU-6436	SU-6434	SU-6434	CT-4/CT-5 SEE TILE PLAN 1/A3.1			
03	COPY ROOM	CT-1	CB-1	SU-6434	SU-6436	SU-6434				
04	HALL	CT-1	CB-1	VARIES	SU-6644	SU-6644	SEE HALL ELEVATION 3/A3.3			
05	STAIRWELL	V-1	VA-1	SU-6681	SU-6681	SU-6681	SEE VINYL ACCESSORIES SCHEDULE			
06	MENS RESTROOM	CT-1	CB-1	SU-6436	SU-6436	SU-6434				
07	MENS SHOWER ROOM	CT-1	CB-1	SU-6644	SU-6644	SU-6644				
08	CONFERENCE ROOM	CT-1	CB-1	SU-6434	SU-6434	SU-6434				
09	BREAK ROOM	CT-1	CB-1	SU-6644	SU-6648	SU-6644				
10	WOMENS SHOWER RM	CT-1	CB-1	SU-6436	SU-6436	SU-6436				
11	WOMENS RESTROOM	CT-1	CB-1	SU-6648	SU-6644	SU-6648				
12	HALL	CT-1	CB-1	VARIES	SU-6644	SU-6644	SEE TILE PLAN 1/A3.1			
13	STAIRWELL	V-1	VA-1	SU-6681	SU-6681	SU-6681	SEE VINYL ACCESSORIES SCHEDULE			
14	LAUNDRY ROOM	CT-1	CB-1	SU-6434	SU-6436	SU-6434				
15	GARAGE	CON	-	FGB	FGB	FGB	1-HR RATED WALLS AND CEILING			

SECOND FLOOR ROOM FINISH SCHEDULE										
NO.	ROOM NAME	FLOOR	BASE	WALLS - FGB			REMARKS			
				EAST	SOUTH	WEST				
201	OFFICE #2	CA-1*	VA-2	SU-6521	SU-6521	SU-6681	PARALLEL PATTERN			
202	WOMENS RESTROOM	CT-2	CB-2	SU-6521	SU-6681	SU-6521				
203	HALL	CA-2*	VA-2	SU-6681	SU-6681	SU-6521	BRICK PAT. FLR. SEE WALL NOTE			
204	OPEN OFFICE AREA	CA-2*	VA-2	SU-6681	SU-6681	SU-6683	BRICK PAT. FLR. SEE WALL NOTE			
205	OPEN OFFICE AREA	CA-2*	VA-2	SU-6681	SU-6683	SU-6681	BRICK PAT. FLR. SEE WALL NOTE			
206	OFFICE #3	CA-1*	VA-2	SU-6533	SU-6681	SU-6533	PARALLEL PATTERN			
207	HALL	CA-2*	VA-2	SU-6681	SU-6681	SU-6521	BRICK PAT. FLR. SEE WALL NOTE			
208	NETWORK/TELEPHONE	CA-1*	VA-2	SU-6533	SU-6533	SU-6533	PARALLEL PATTERN			
209	MENS RESTROOM	CT-2	CB-2	SU-6533	SU-6533	SU-6683				
210	OFFICE #1	CA-1*	VA-2	SU-6533	SU-6683	SU-6533	PARALLEL PATTERN			

THIRD FLOOR ROOM FINISH SCHEDULE										
NO.	ROOM NAME	FLOOR	BASE	WALLS - FGB			REMARKS			
				EAST	SOUTH	WEST				
301	KITCHENETTE	CT-1	CB-1	SU-6126	SU-6126	SU-6126				
302	HALL	CA-4*	VA-3	SU-6126	SU-6126	SU-6126	NONDIRECTIONAL PATTERN			
303	BATHROOM #2	CT-3	CB-3	SU-6126	SU-6126	SU-6388				
304	CLOSET	CA-3*	VA-3	SU-6126	SU-6126	SU-6126	NONDIRECTIONAL PATTERN			
305	LIVING/SLEEPING	CA-3*	VA-3	SU-6126	SU-6126	SU-6126	NONDIRECTIONAL PATTERN			
306	LIVING/SLEEPING	CA-3*	VA-3	SU-6388	SU-6521	SU-6521	NONDIRECTIONAL PATTERN			
307	CLOSET	CA-3*	VA-3	SU-6126	SU-6126	SU-6126	NONDIRECTIONAL PATTERN			
308	BATHROOM #1	CT-3	CB-3	SU-6126	SU-6388	SU-6126				
309	HALL	CA-1*	VA-3	SU-6126	SU-6126	SU-6126	PARQUET PATTERN			
310	SITTING	CA-1*	VA-3	SU-6126	SU-6126	SU-6388	PARQUET PATTERN			

UNLESS OTHERWISE SPECIFIED, ALL CEILINGS ARE FGB. ALL WALLS AND CEILINGS TO BE LEVEL 5 FINISH.

ABBREVIATION KEY:
 FGB - PAINTED GYPSUM BOARD
 CT-CERAMIC TILE
 CA-CARPET
 CON - CONCRETE
 VIN - VINYL
 ETS - EXPOSED TO STRUCTURE

FLOORING KEY:
DAL-TILE PRODUCTS
 CT-1 18"x18" PORCELAIN COLOR BODY TILE
 PATTERN: 'CONTINENTAL SLATE'
 COLOR: C850 - 'EGYPTIAN BEIGE'
 CT-2 2"x2" MOSAIC TILE
 PATTERN: 'GOLD RUSH MOSAICS'
 COLOR: 5208 - 'GOLDEN NUGGET'
 CT-3 3"x3" OCTAGON/DOT COLOR BODY PORCELAIN TILE
 PATTERN: 'ASPEN LODGE'
 COLOR: AL61 - 'GOLDEN RIDGE'
 CT-4 PORCELAIN COLOR BODY TILE
 PATTERN: 'CONTINENTAL SLATE'
 COLOR: C851 - 'INDIAN RED'
 SEE TILE PLAN FOR SIZES, LOCATION, AND LAYOUT
 CT-5 PORCELAIN TILE
 PATTERN: 'TERRA ANTICA'
 COLOR: T402 - 'ROSSO'
 SEE TILE PLAN FOR SIZES, LOCATION, AND LAYOUT

CERAMIC TILE BASE KEY
 CB-1 6"x12" COVE BASE S-36C3T
 'EGYPTIAN BEIGE' - SEE CT-1
 CB-2 (2) ROWS 2"x2" MOSAIC TILES WITH
 (1) ROW 2"x2" BULLNOSE TRIM (S-886) ABOVE
 COLOR: 'GOLDEN NUGGET' - SEE CT-2
 CB-3 6"x12" COVE BASE S-36C3T
 'GOLDEN RIDGE' - SEE CT-3
 CB-4 6"x12" COVE BASE S-36C3T
 'INDIAN RED' - SEE CT-4
 CB-5 6"x12" COVE BASE S-36C3T
 'ROSSO' - SEE CT-5

PATTERNS FOR INSTALLING CARPET TILES
 PARALLEL PATTERN
 PARQUET PATTERN
 NONDIRECTIONAL PATTERN: A RANDOM TURNING OF TILES WHILE INSTALLING
 BRICK PATTERN

VINYL ACCESSORIES KEY
 ARMSTRONG FLOORING VINYL ACCESSORIES
 VA-1 ARMSTRONG FLOORING VINYL ACCESSORIES
 COLOR: INTEGRATED WALL BASE
 4" HIGH
 08 - 'BUTTERCREAM'
 VA-2 ARMSTRONG FLOORING VINYL ACCESSORIES
 COLOR: INTEGRATED WALL BASE
 6" HIGH
 14 - 'TURTLEDOVE'
 VA-3 ARMSTRONG FLOORING VINYL ACCESSORIES
 COLOR: INTEGRATED WALL BASE
 6" HIGH
 22 - 'SATIN'

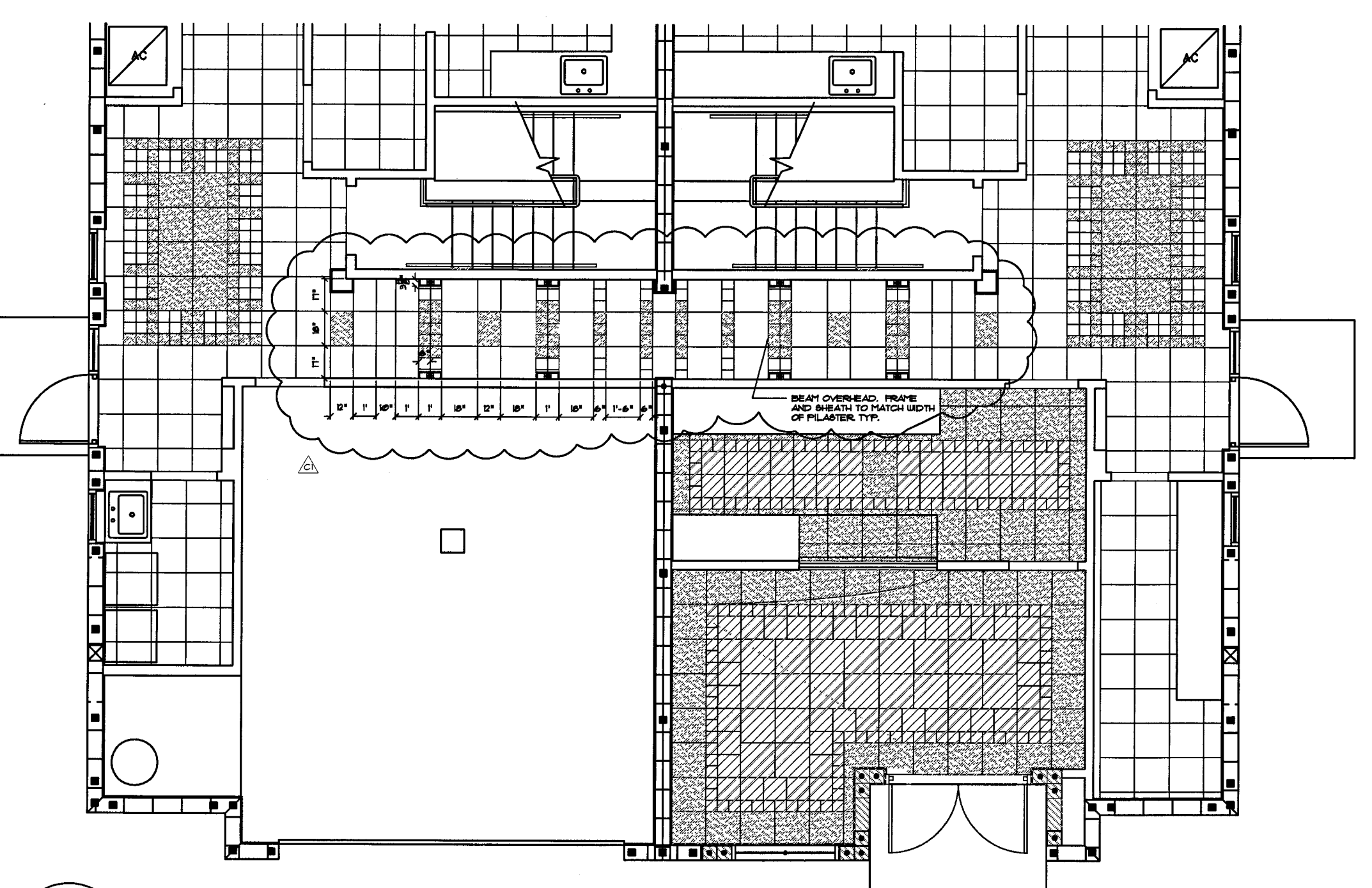
PAINT COLOR KEY:
 SHERWIN WILLIAMS PAINT COLORS
 SW-6262 - FN63 - 'RUGGED BROWN'
 SW-6126 - FN21 - 'NAVAJO WHITE'
 SW-6288 - Y-07/13 - 'GOLDEN FLEECE'
 SW-6434 - Y-G/G/91 - 'SPINACH WHITE'
 SW-6436 - Y-G/G/93 - 'BONSAI TINT'
 SW-6521 - B-G/B/136 - 'NOTABLE HUE'
 SW-6533 - B-G/B/160 - 'MILD BLUE'
 SW-6644 - Y-07/10 - 'CHAMPAGNE'
 SW-6648 - Y-07/14 - 'KUMQUAT'
 SW-6681 - Y-07/99 - 'BUTTER UP'
 SW-6683 - Y-07/100 - 'BEE'

1ST FLOOR DOOR SCHEDULE										
MARK	SIZE	MATER.	ELEV.	FRAME	ELEV.	NOTES	HARDWARE	FIRE RATING	REMARKS	
(101A)	2'3"-0"X1'-0"	VINYL GLASS A	VINYL	1		IMPACT RESISTANT	#1	N/A		
(101B)	3'-0"X1'-0"	SC. WD.	C	WOOD	3	-	#4	N/A		
(102A)	3'-0"X1'-0"	SC. WD.	C	WOOD	3	-	#3	20 MIN		
(103A)	3'-0"X1'-0"	SC. WD.	C	WOOD	3	-	#2	20 MIN		
(104A)	3'-0"X1'-0"	VINYL GLASS B	VINYL	2		IMPACT RESISTANT	#3	N/A		
(104B)	3'-0"X1'-0"	SC. WD.	C	WOOD	3	-	#3	60 MIN		
(104C)	3'-0"X1'-0"	SC. WD.	C	WOOD	3	-	#3	20 MIN		
(106A)	3'-0"X1'-0"	SC. WD.	C	WOOD	3	-	#5	20 MIN		
(107A)	3'-0"X6'-0"	VINYL GLASS B	VINYL	-		IMPACT	#2	N/A	FROSTED GLASS	
(108A)	3'-0"X1'-0"	SC. WD.	C	WOOD	3	-	#3	20 MIN		
(108B)	2'3"-0"X1'-0"	GLASS	-	ALUM.	-	EXISTING	-	N/A		
(108C)	2'3"-0"X1'-0"	GLASS	-	ALUM.	-	EXISTING	-	N/A		
(109A)	3'-0"X1'-0"	SC. WD.	C	WOOD	3	-	#3	20 MIN		
(109B)	2'3"-0"X1'-0"	GLASS	-	ALUM.	-	EXISTING	#3	N/A		
(109C)	2'3"-0"X1'-0"	GLASS	-	ALUM.	-	EXISTING	#2	N/A	FROSTED GLASS	
(111A)	3'-0"X1'-0"	SC. WD.	C	WOOD	3	-	#5	20 MIN		
(112A)	3'-0"X1'-0"	GLASS	B	ALUM.	2	IMPACT RESISTANT	#3	N/A		
(112B)	3'-0"X1'-0"	SC. WD.	C	WOOD	3	-	#3	60 MIN		
(114A)	3'-0"X1'-0"	SC. WD.	C	WOOD	3	-	#3	20 MIN		
(115A)	16'-0"X1'-0"	METAL	-	METAL	-	INSULATED	#4	N/A		

2ND FLOOR DOOR SCHEDULE										
MARK	SIZE	MATER.	ELEV.	FRAME	ELEV.	NOTES	HARDWARE	FIRE RATING	REMARKS	
(201A)	3'-0"X1'-0"	SC. WD.	C	WOOD	3	-	#6	N/A		
(202A)	3'-0"X1'-0"	SC. WD.	C	WOOD	3	-	#5	N/A		
(203A)	3'-0"X1'-0"	SC. WD.	C	WOOD	3	-	#3	60 MIN		
(204A)	2'3"-0"X6'-0"	GLASS	-	ALUM.	-	EXISTING	-	N/A		
(204B)	2'3"-0"X6'-0"	GLASS	-	ALUM.	-	EXISTING	-	N/A		
(205A)	2'3"-0"X6'-0"	GLASS	-	ALUM.	-	REPLACE EXISTING	-	N/A		
(206A)	3'-0"X1'-0"	SC. WD.	C	WOOD	3	-	#6	N/A		
(207A)	2'3"-0"X6'-0"	GLASS	-	ALUM.	-	REPLACE EXISTING	-	N/A		
(208A)	3'-0"X1'-0"	SC. WD.	C	WOOD	3	-	#3	60 MIN		
(209A)	3'-0"X1'-0"	SC. WD.	C	WOOD	3	-	#5	N/A		
(210A)	3'-0"X1'-0"	SC. WD.	C	WOOD	3	-	#6	N/A		

3RD FLOOR DOOR SCHEDULE										
MARK	SIZE	MATER.	ELEV.	FRAME	ELEV.	NOTES	HARDWARE	FIRE RATING	REMARKS	
(301A)	3'-0"X1'-0"	SC. WD.	C	WOOD	3	-	#4	N/A		
(302A)	3'-0"X1'-0"	SC. WD.	C	WOOD	3	-	#1	N/A		
(302B)	3'-0"X1'-0"	SC. WD.	C	WOOD	3	-	#3	60 MIN		
(303A)	3'-0"X1'-0"	SC. WD.	C	WOOD	3	-	#5	N/A		
(303B)	2'-0"X1'-0"	SC. WD.	E	WOOD	5	-	#4	N/A		
(303C)	2'-6"X1'-0"	SC. WD.	D	WOOD	4	-	#4	N/A		
(304A)	2'3"-0"X1'-0"	SC. WD.	F	WOOD	1	BI-FOLD	-	N/A		
(304B)	2'-6"X1'-0"	SC. WD.	D	WOOD	4	LOUVERED	#3	N/A		
(305A)	2'3"-0"X6'-0"	GLASS	-	ALUM.	-	EXISTING	-	N/A		
(306A)	2'3"-0"X6'-0"	GLASS	-	ALUM.	-	EXISTING	-	N/A		
(307A)	2'3"-0"X1'-0"	SC. WD.	F	WOOD	1	BI-FOLD	-	N/A		
(307B)	2'-6"X1'-0"	SC. WD.	D	WOOD	4	LOUVERED	#3	N/A		
(308A)	3'-0"X1'-0"	SC. WD.	C	WOOD	3	-	#5	N/A		
(308B)	2'-0"X1'-0"	SC. WD.	E	WOOD	3	-	#4	N/A		
(309A)	3'-0"X1'-0"	SC. WD.	C	WOOD	3	-	#1	N/A		
(309B)	3'-0"X1'-0"	SC. WD.	C	WOOD	3	-	#3	60 MIN		
(310A)	3'-0"X1'-0"	SC. WD.	C	WOOD	3	-	#4	N/A		

PROVIDE MAXIMUM 1/8" VARIATIONS BETWEEN DISSIMILAR FLOORING MATERIALS AS PER ADA REQUIREMENTS.
 ALL INTERIOR WOOD DOORS TO BE ROTARY CUT BIRCH, STAIN GRADE.



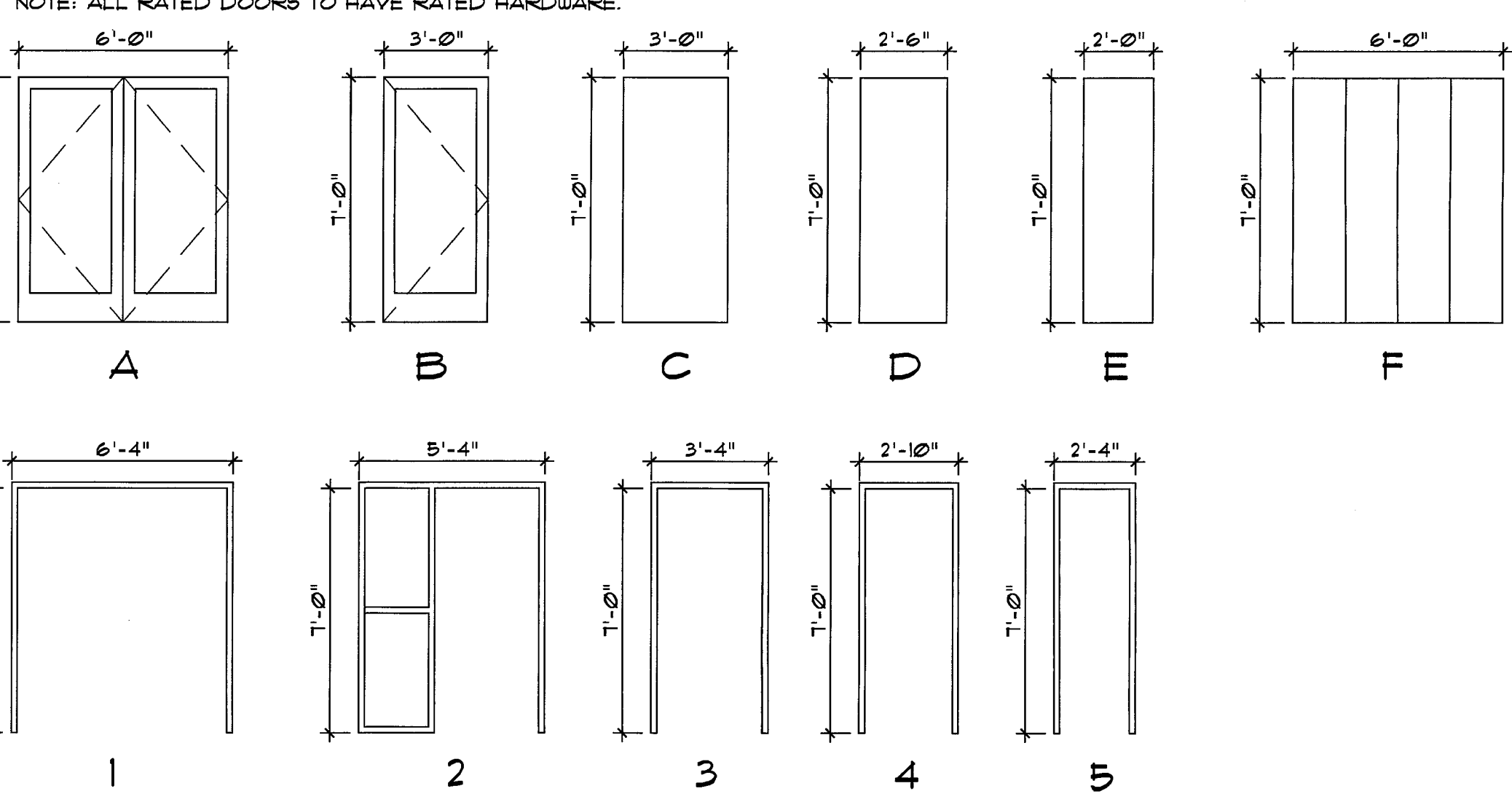
1 TILE PLAN - PARTIAL FIRST FLOOR
 A3.1 1/4" = 1'-0"

HARDWARE SETS

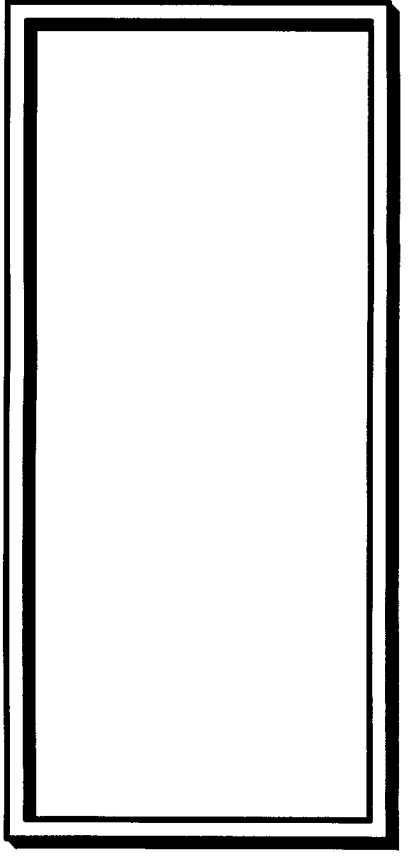
- HARDWARE SET#1**
 (1) 1 1/2 PAIR 65 BB BUTTS EACH LEAF
 (1) CLOSER EA. LEAF
 (1) FLUSHBOLTS TOP/BOTTOM (INACTIVE LEAF)
 (1) LEVER HANDLE LOCK SET
 ENTRANCE FUNCTION (ACTIVE LEAF)
 (1) DEADBOLT
 (1) ADA COMPLIANT THRESHOLD
 (1) FULL WEATHERSTRIPPING
- HARDWARE SET#2**
 (1) 1 1/2 PAIR 65 BB BUTTS
 (1) CLOSER
 (1) LEVER HANDLE LOCK SET
 ENTRANCE FUNCTION
 (1) DEADBOLT W/ THUMB LATCH
 (1) ADA COMPLIANT THRESHOLD
 (1) FULL WEATHERSTRIPPING
- HARDWARE SET#3**
 (1-1/2) PAIR 65 BB BUTTS
 (1) LEVER HANDLE PASSAGE FUNCTION
 (1) SELF CLOSER
- HARDWARE SET#4**
 (1-1/2) PAIR 65 BB BUTTS
 (1) LEVER HANDLE PRIVACY FUNCTION LOCKSET
- HARDWARE SET#5**
 (1-1/2) PAIR 65 BB BUTTS
 (1) LEVER HANDLE OFFICE FUNCTION LOCKSET
- HARDWARE SET#6**
 (1-1/2) PAIR 65 BB BUTTS
 (1) LEVER HANDLE
- HARDWARE SET#7**
 (1-1/2) PAIR 65 BB BUTTS
 (1) CLOSER
 (1) DEADBOLT W/ CYLINDER

GENERAL NOTES

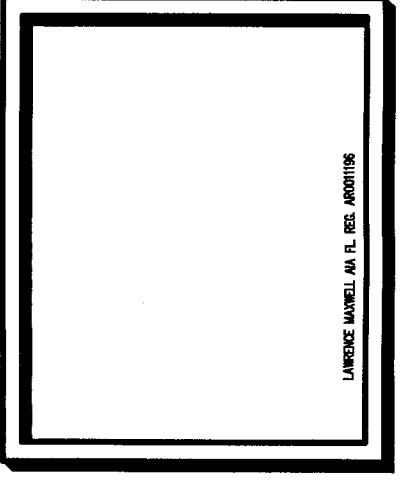
- ALL GYPSUM BOARD TO BE 5/8" MIN. DENS-GLASS SILVER FOR WALLS AND CEILINGS, DENS-ARMOR PLUS FOR RATED ASSEMBLIES AND DENS-GLASS TILE BACKER FOR RESTROOM TILE ASSEMBLIES.
- ALL WOOD STUDS TO BE 3 1/2" MIN.
- PROVIDE FIBERGLASS ACOUSTICAL/THERMAL BATT IN RESTROOM WALLS 4 WALLS BETWEEN OFFICES.
- EXTERIOR THERMAL INSULATION TO BE 6" FIBERGLASS BATT AND R-30 MIN AT CEILING OF THIRD FLOOR.
- PROVIDE (1) PRIMER COAT (2) FINISH COATS INTERIOR LATEX EGG SHELL FINISH TO ALL WALLS.



REVISIONS			
REV.	NO.	DATE	REVISION
1	1	07.13.06	TILE PATTERN REVED

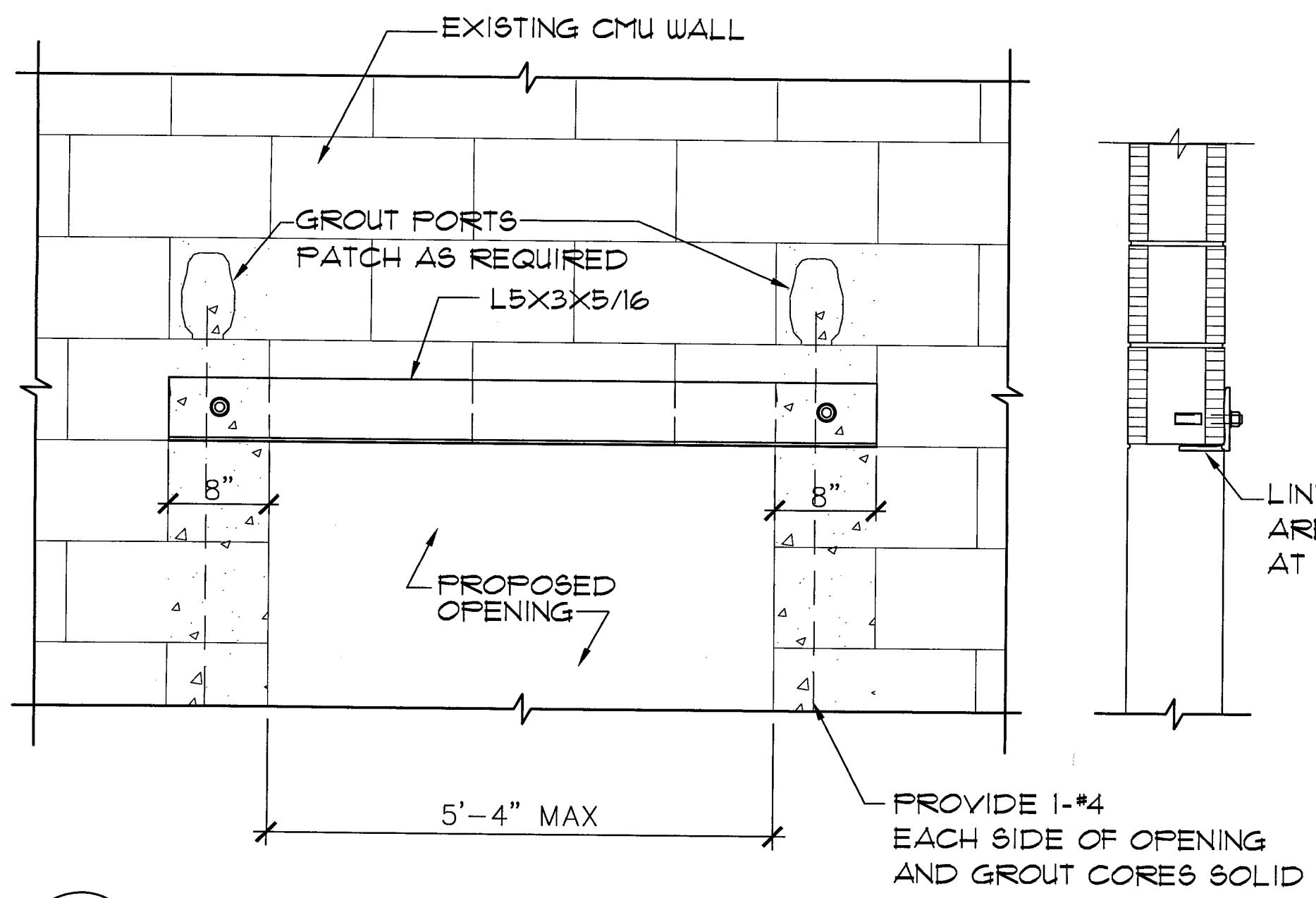


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ARCHITECTURAL
 PROJECT NAME:
 LUNG RX RENOVATION OF
 BELLA VISTA TOWNHOUSES
 SATELLITE BEACH, FLORIDA 32937

REV. 0510 DATE 03.31.06
 DRAWN BY: MTHM
 CHECKED BY: LM
 SHEET NO. **A3.1**
 SCHEDULES



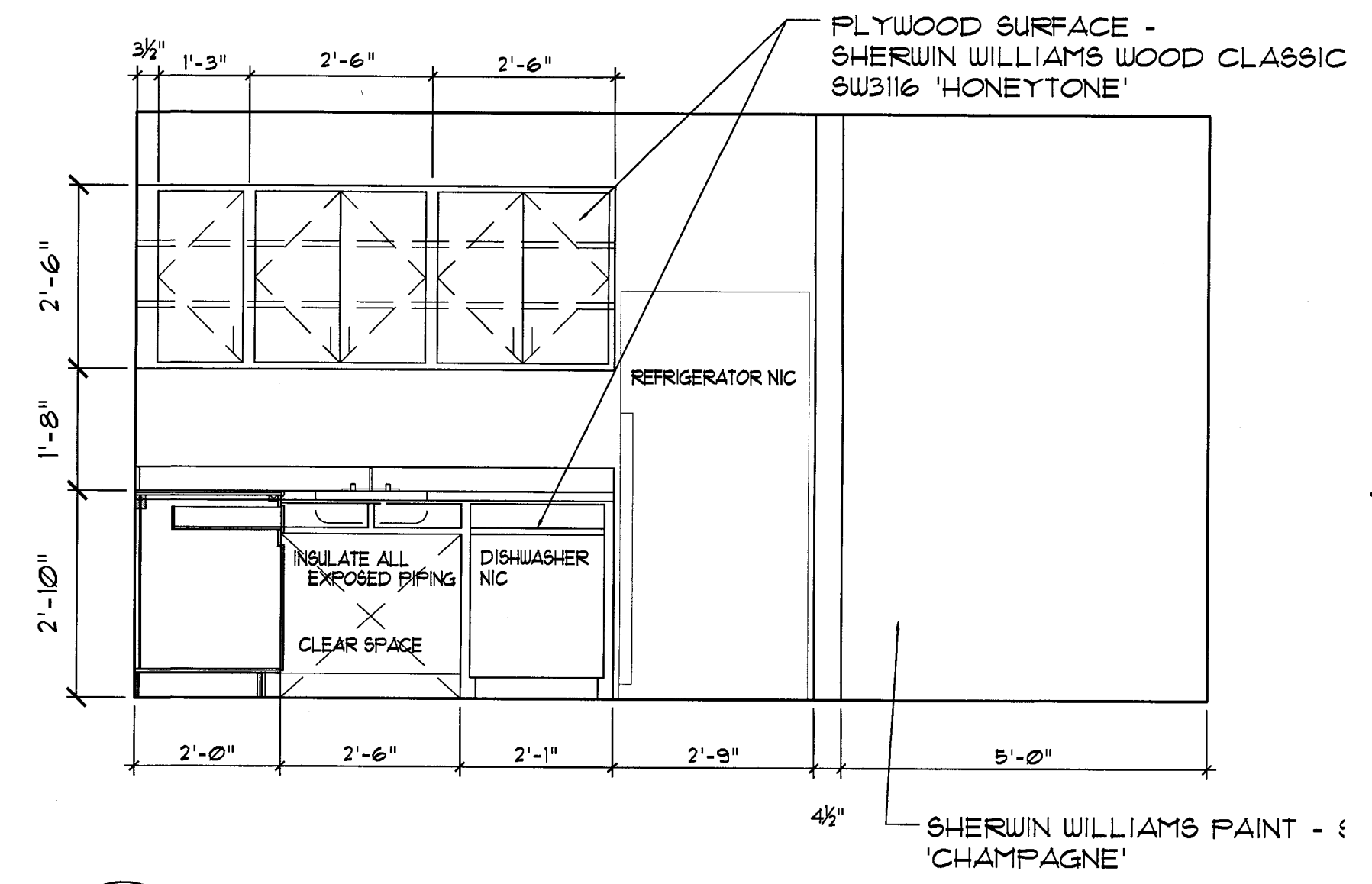
1 LINTEL DESIGN
A3.2 3/8" = 1'-0"

- NOTES:
1. ALL WALL REINFORCING SHALL BE INSTALLED AND CORES GROUTED AS SHOWN W/ SHELF ANGLE BOLTED TO WALL PRIOR TO REMOVAL OF CMU.
 2. ALL ANCHORS ARE HILTI 3/4" DIA. HAS -E TRHEADED ROD OR APPROVED EQ. (PROVIDE MIN 4" EMBED AT ANGLES, TYP.)
 3. EPOXY SHALL BE HILTI HIT HY 150, OR APPROVED EQUAL.

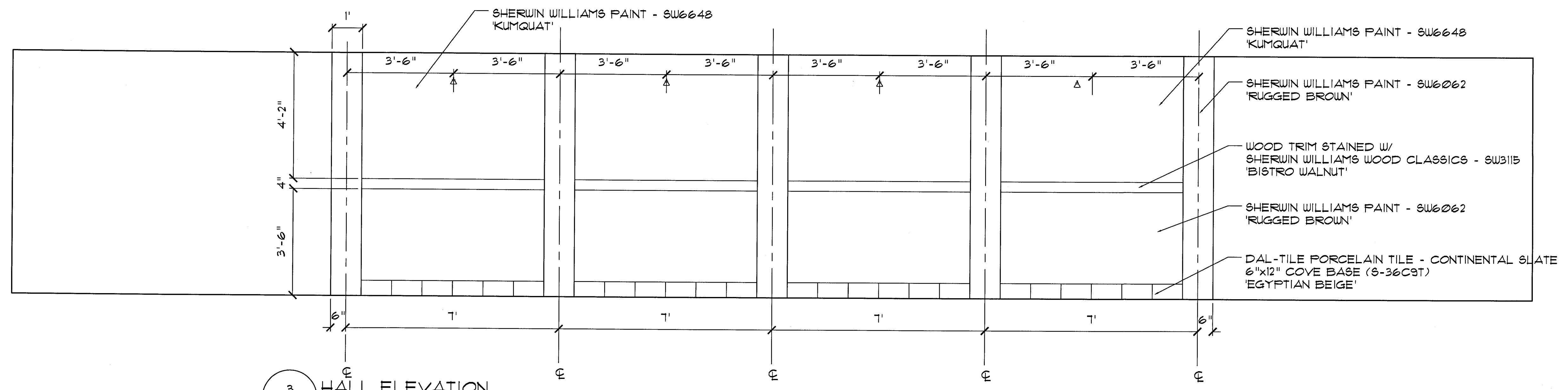
SEE ARCHITECTURAL PLANS FOR WALL LOCATION

NOTE: ZOOM ROOM UNIT TO BE 5'-5 1/4" WIDE AND 1'-0 3/16" TALL, WITH SURROUNDING CABINETS CONSTRUCTED TO SAME HEIGHT. BED MECHANISM OCCUPIES FULL DEPTH AT BOTTOM 1'-11" AND 1'-0" BEHIND SHELVING ABOVE.

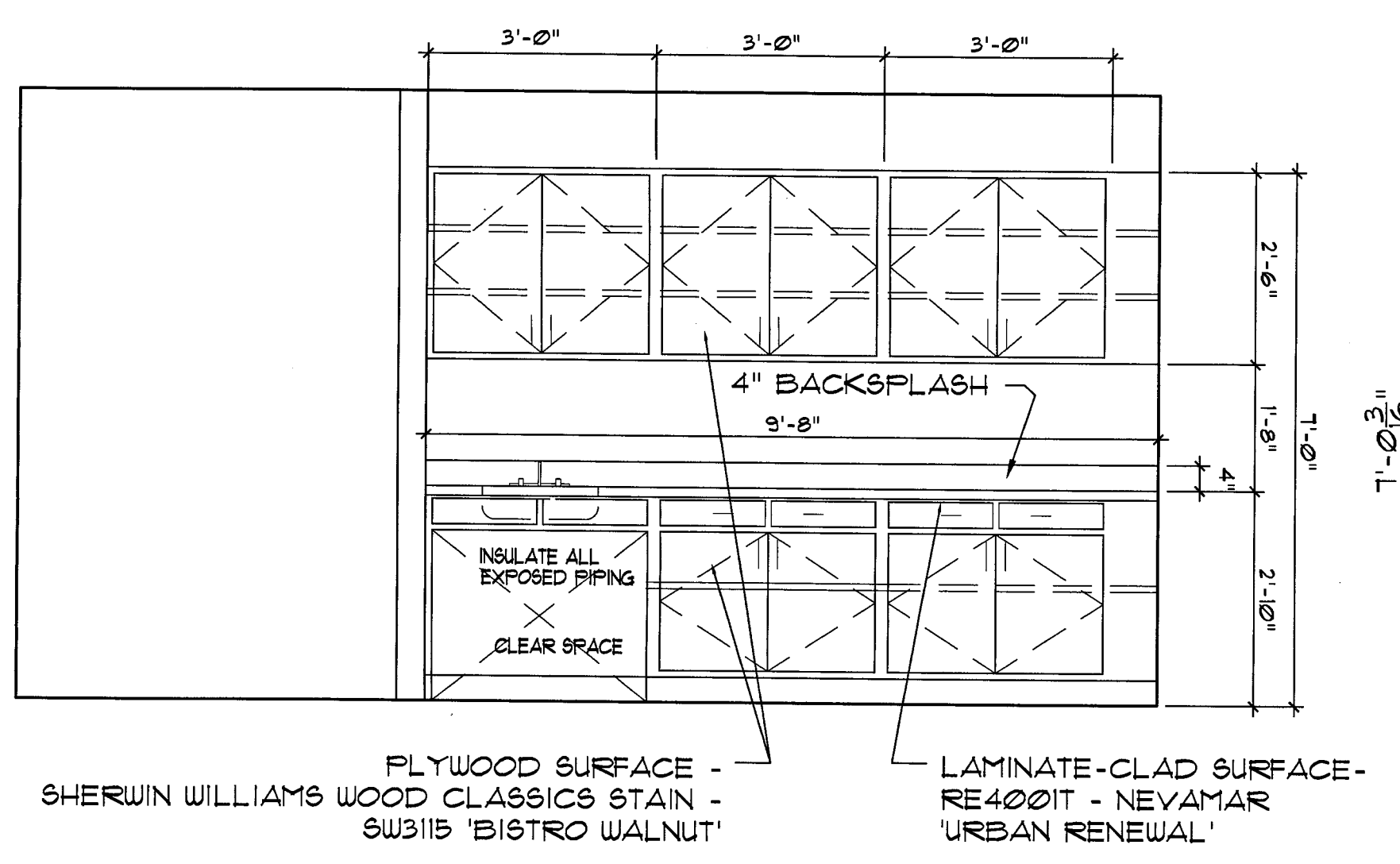
FOR FURTHER INFORMATION AND SPECIFICATIONS, CONTACT:
ZOOM-ROOM
2121 NORTH BAY SHORE DRIVE #103
MIAMI, FL 33131
1-888-211-1120



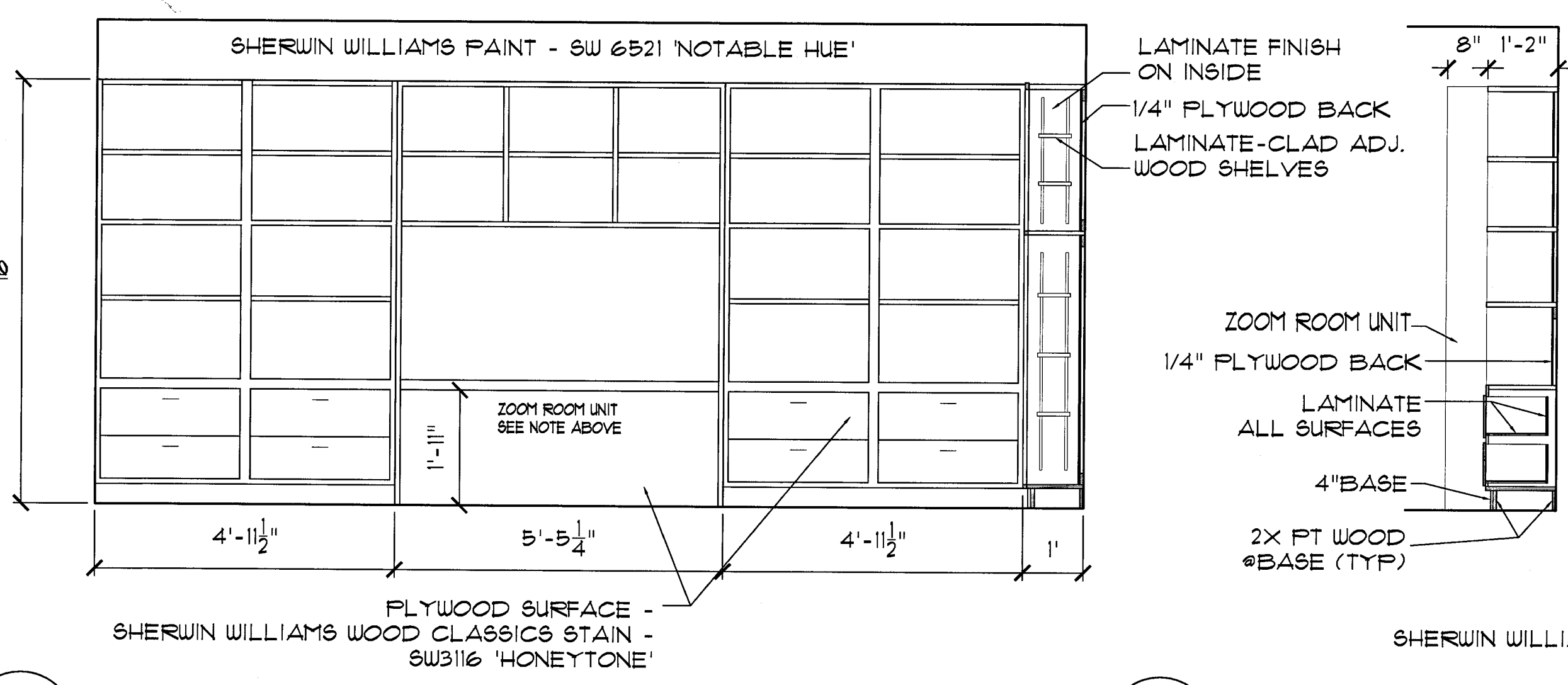
2 BREAK ROOM CABINERY ELEVATION
A3.2 1/2" = 1'-0"



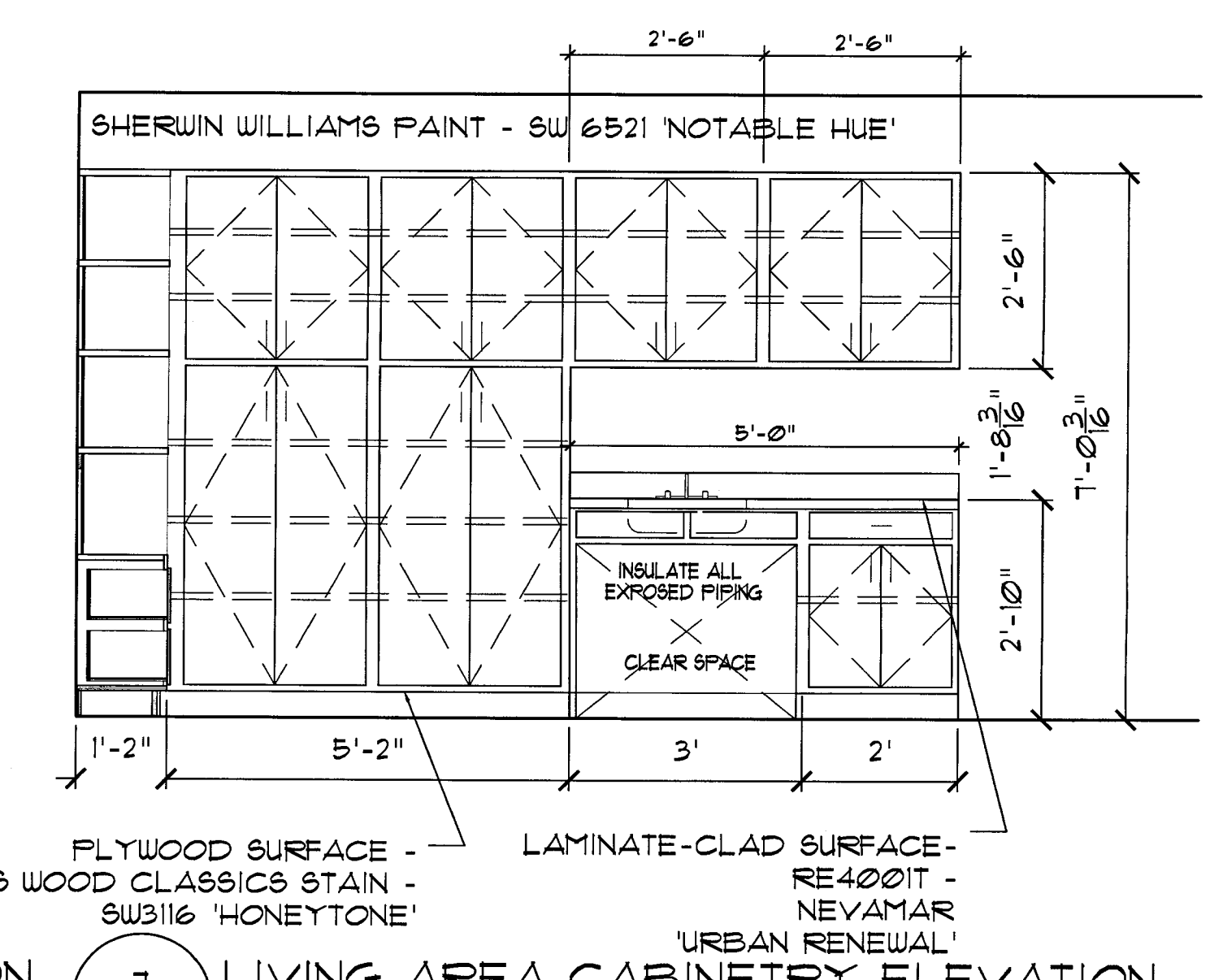
3 HALL ELEVATION
A3.2 1/2" = 1'-0"



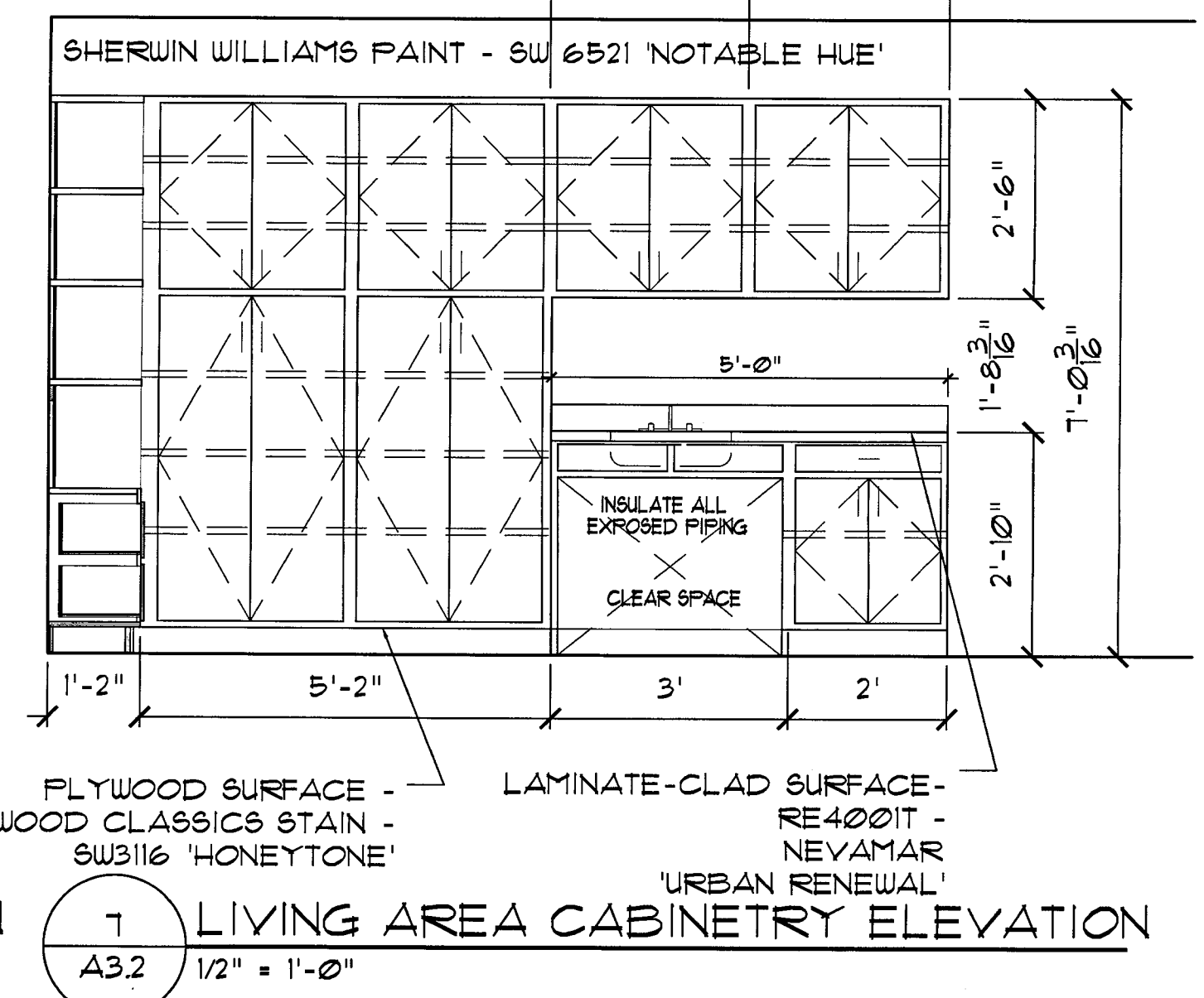
4 CONFERENCE ROOM CABINERY ELEVATION
A3.2 1/2" = 1'-0"



5 LIVING/SLEEPING AREA ELEVATION
A3.2 1/2" = 1'-0"

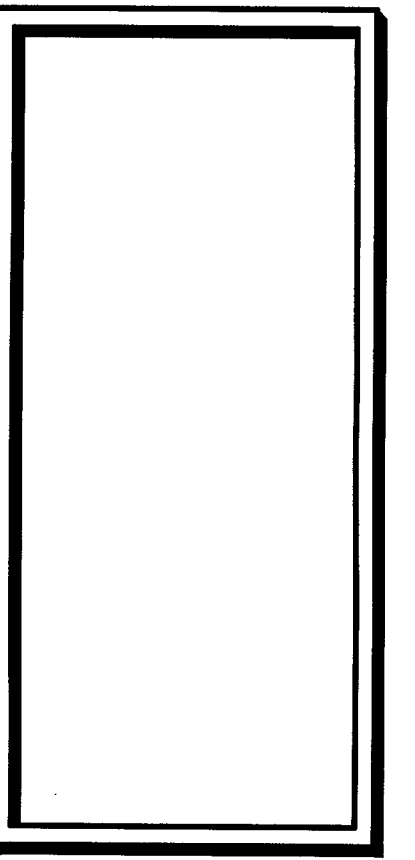


6 BOOKSHELF SECTION
A3.2 1/2" = 1'-0"

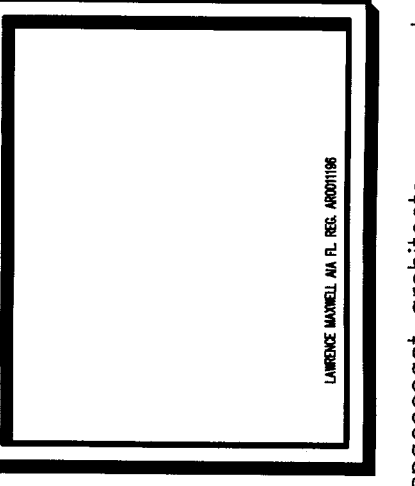


7 LIVING AREA CABINERY ELEVATION
A3.2 1/2" = 1'-0"

REVISIONS			
REV.	NO.	DATE	REMARKS

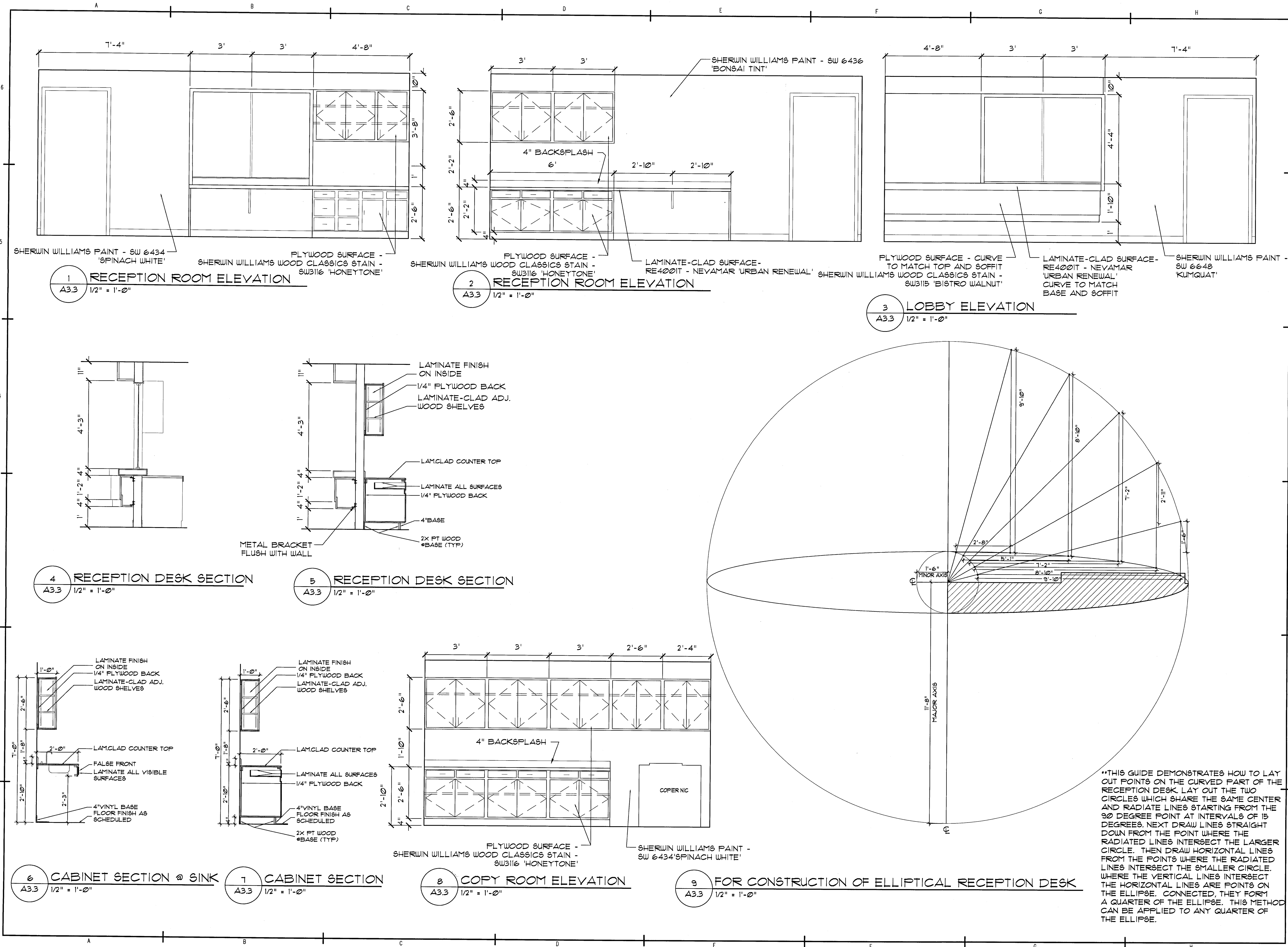


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ARCHITECTURAL
PROJECT NAME:
LUNG RX RENOVATION OF
BELLAVISTA TOWNHOUSES
SATELLITE BEACH, FLORIDA 32937

REV. #	0510	REV. #	03.31.06
DRAWN BY	SVT	CHECKED BY	LM
SHEET NO.			
A3.2			
INTERIOR ELEVATIONS			



1 RECEPTION ROOM ELEVATION
A3.3 1/2" = 1'-0"

2 RECEPTION ROOM ELEVATION
A3.3 1/2" = 1'-0"

3 LOBBY ELEVATION
A3.3 1/2" = 1'-0"

4 RECEPTION DESK SECTION
A3.3 1/2" = 1'-0"

5 RECEPTION DESK SECTION
A3.3 1/2" = 1'-0"

6 CABINET SECTION @ SINK
A3.3 1/2" = 1'-0"

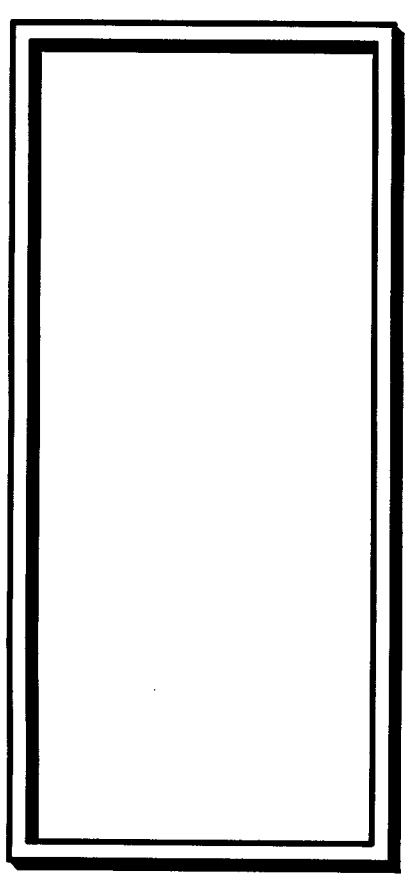
7 CABINET SECTION
A3.3 1/2" = 1'-0"

8 COPY ROOM ELEVATION
A3.3 1/2" = 1'-0"

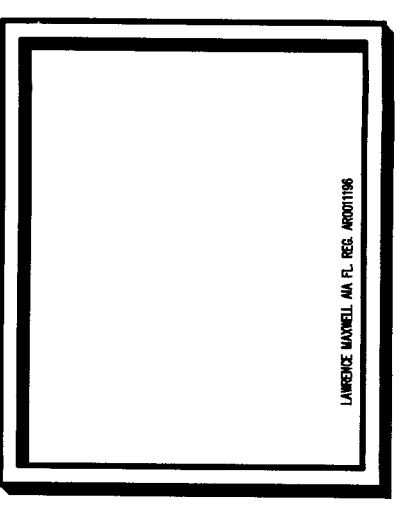
9 FOR CONSTRUCTION OF ELLIPTICAL RECEPTION DESK
A3.3 1/2" = 1'-0"

**THIS GUIDE DEMONSTRATES HOW TO LAY OUT POINTS ON THE CURVED PART OF THE RECEPTION DESK. LAY OUT THE TWO CIRCLES WHICH SHARE THE SAME CENTER AND RADIATE LINES STARTING FROM THE 90 DEGREE POINT AT INTERVALS OF 15 DEGREES. NEXT DRAW LINES STRAIGHT DOWN FROM THE POINT WHERE THE RADIATED LINES INTERSECT THE LARGER CIRCLE. THEN DRAW HORIZONTAL LINES FROM THE POINTS WHERE THE RADIATED LINES INTERSECT THE SMALLER CIRCLE. WHERE THE VERTICAL LINES INTERSECT THE HORIZONTAL LINES ARE POINTS ON THE ELLIPSE. CONNECTED, THEY FORM A QUARTER OF THE ELLIPSE. THIS METHOD CAN BE APPLIED TO ANY QUARTER OF THE ELLIPSE.

REVISIONS			
NO.	DATE	BY	REMARKS



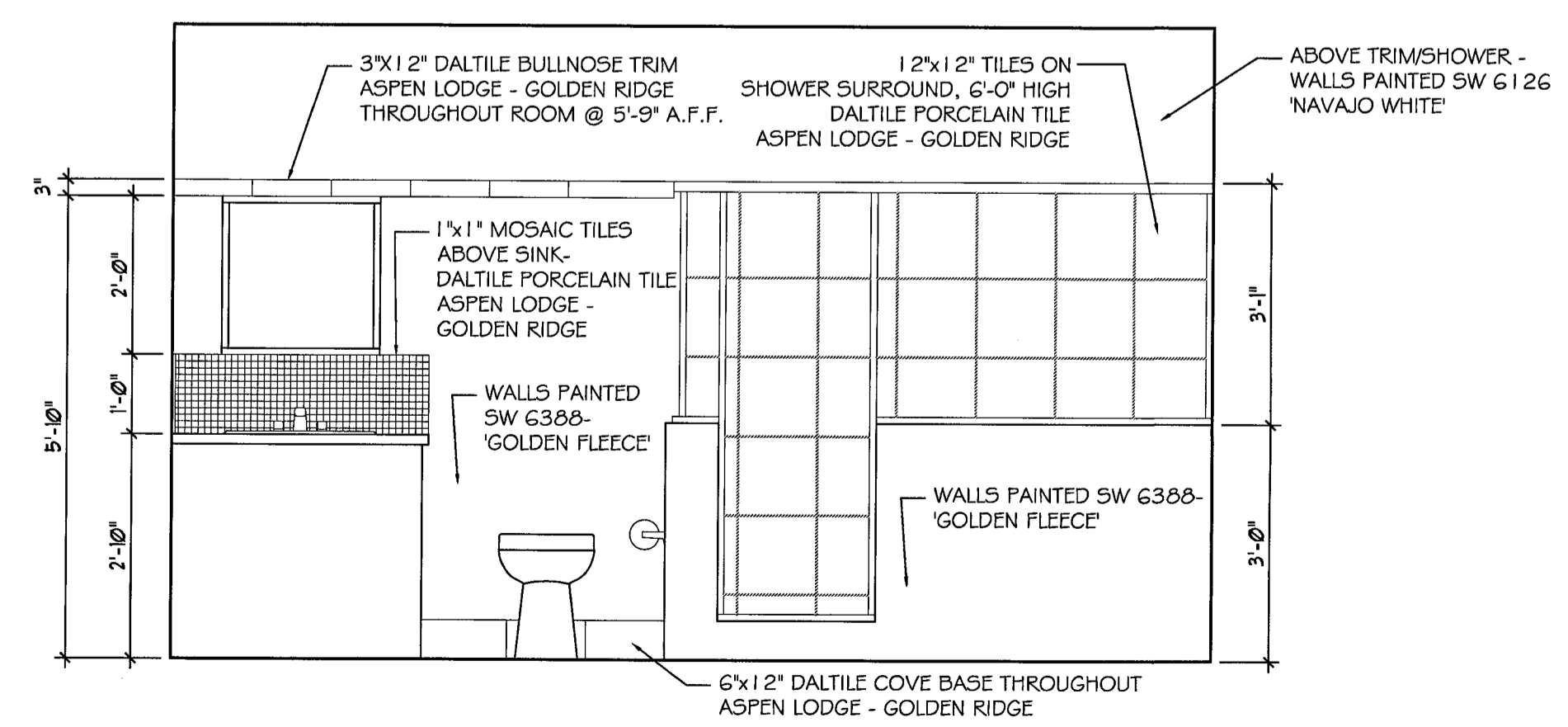
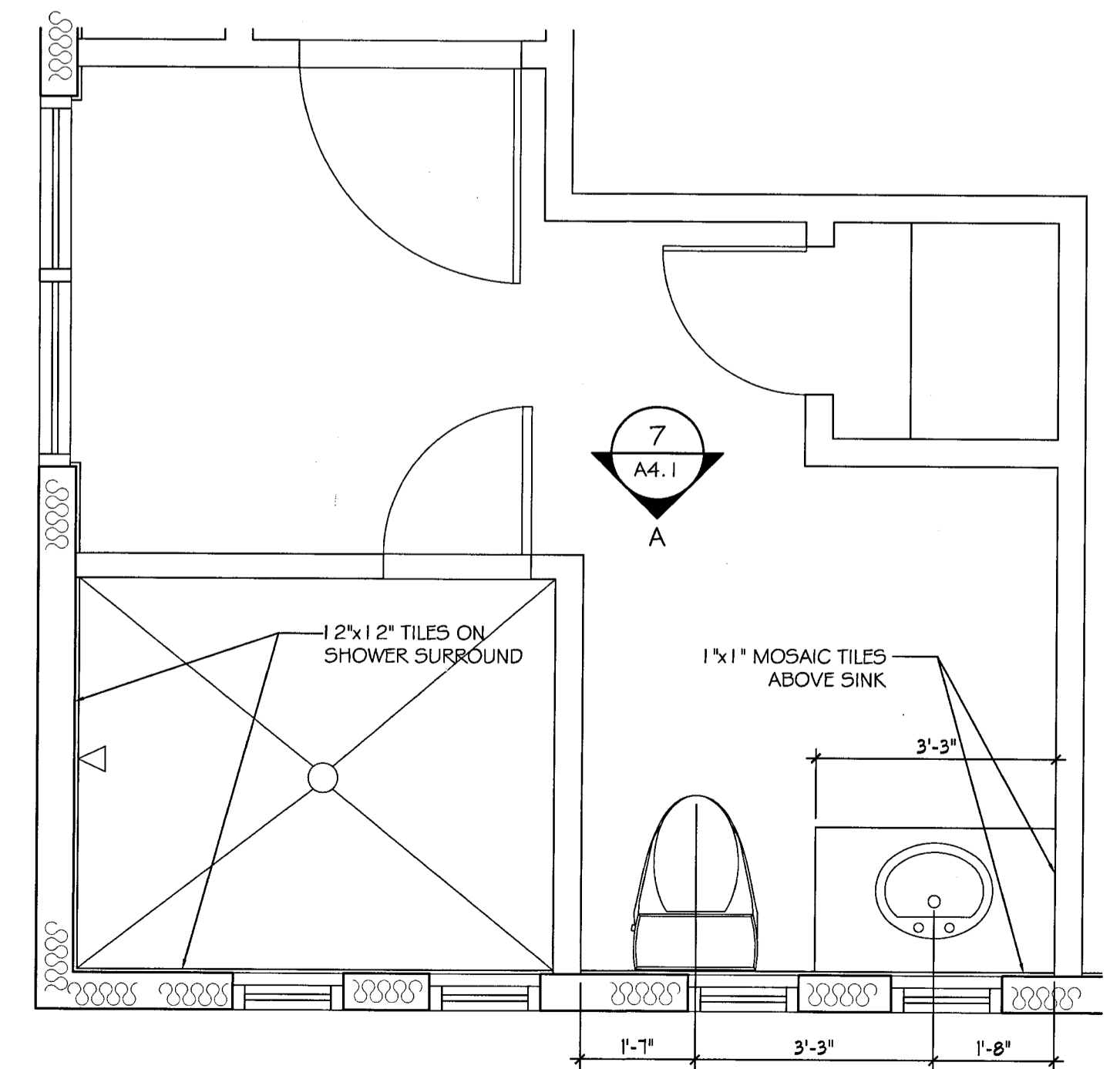
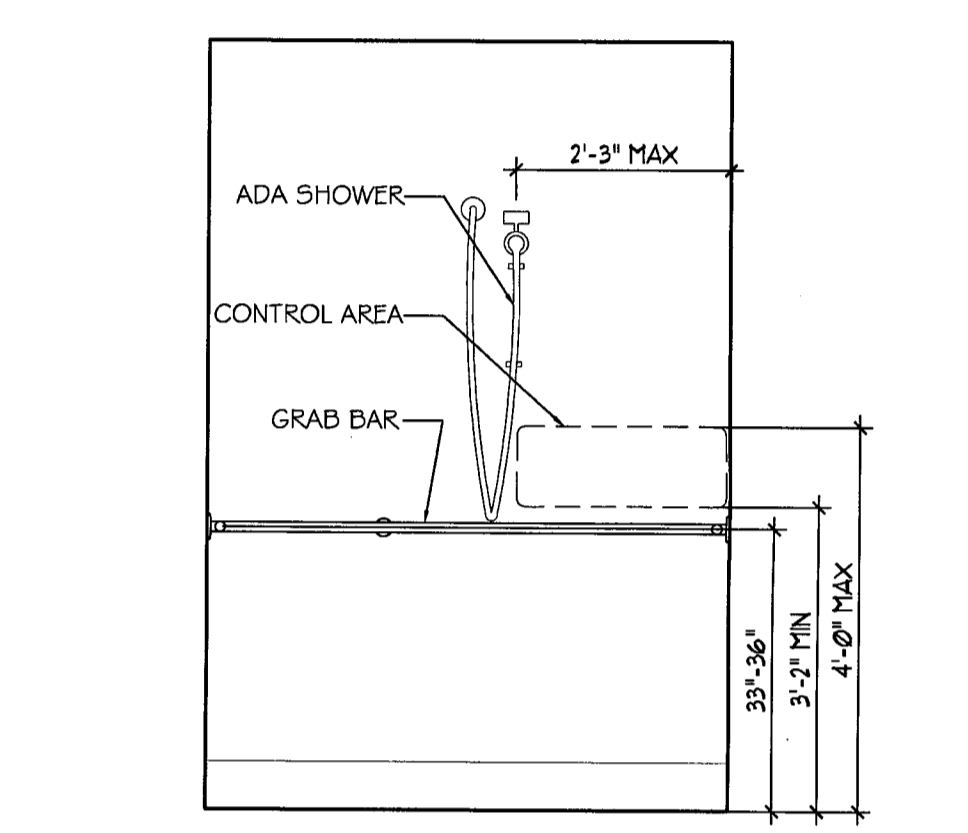
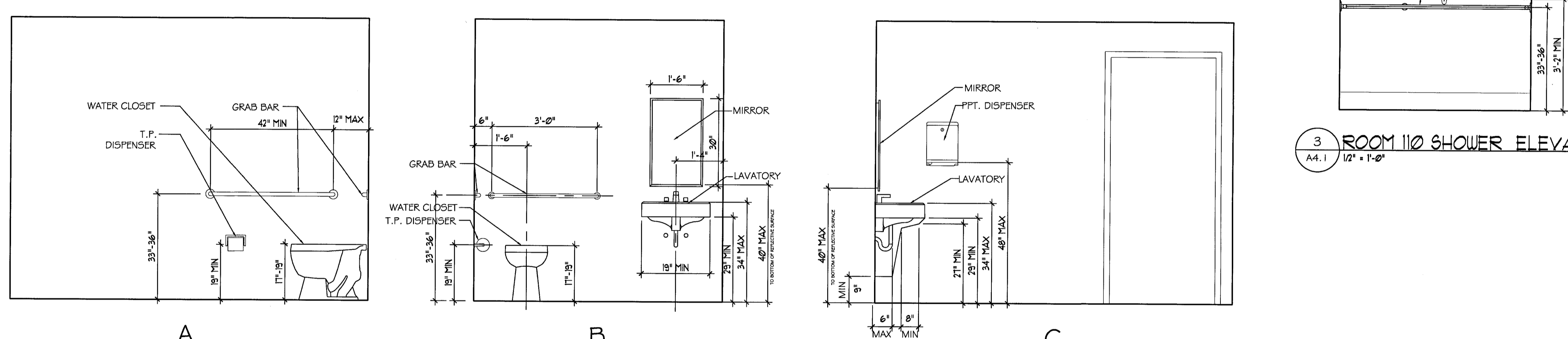
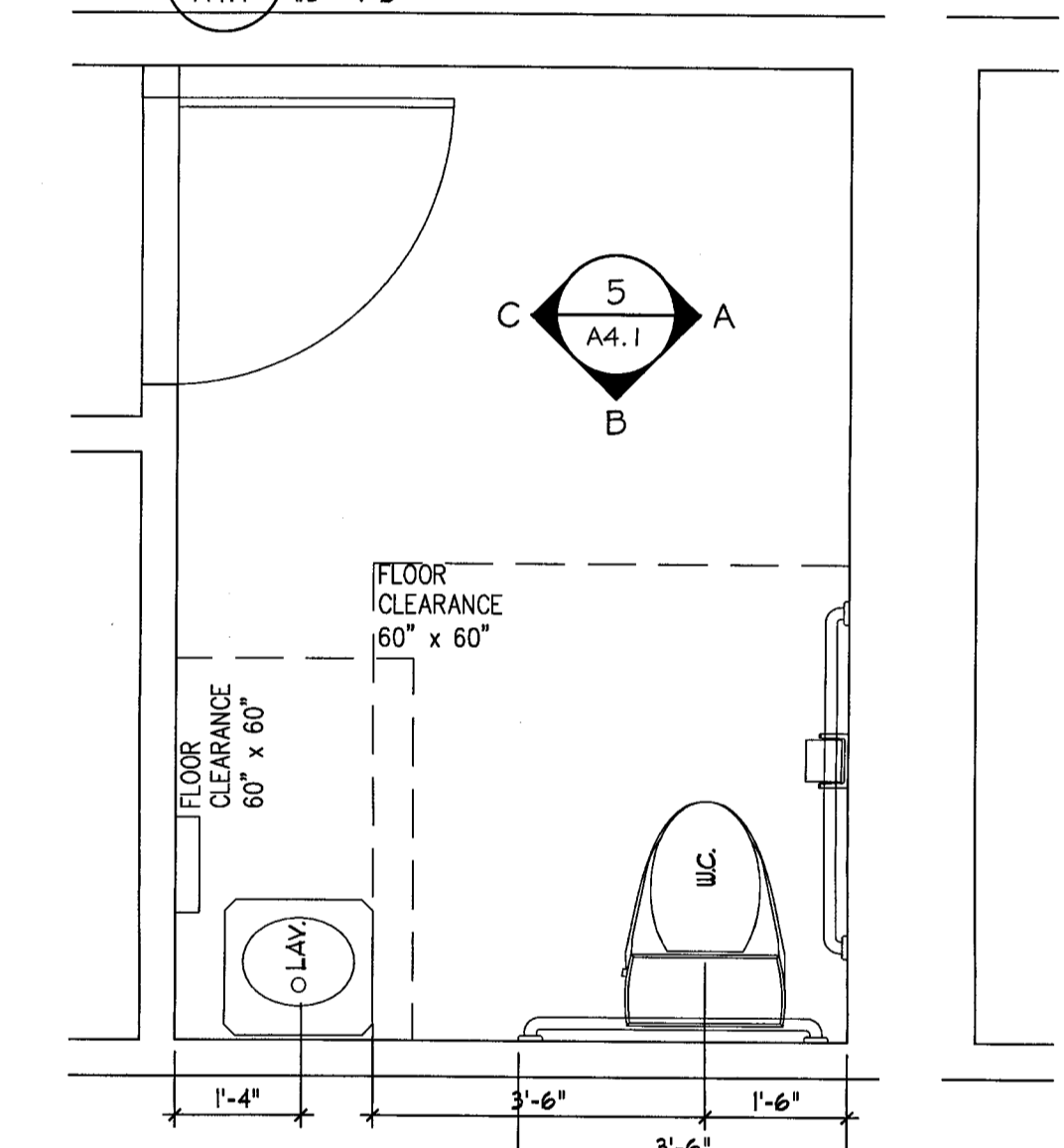
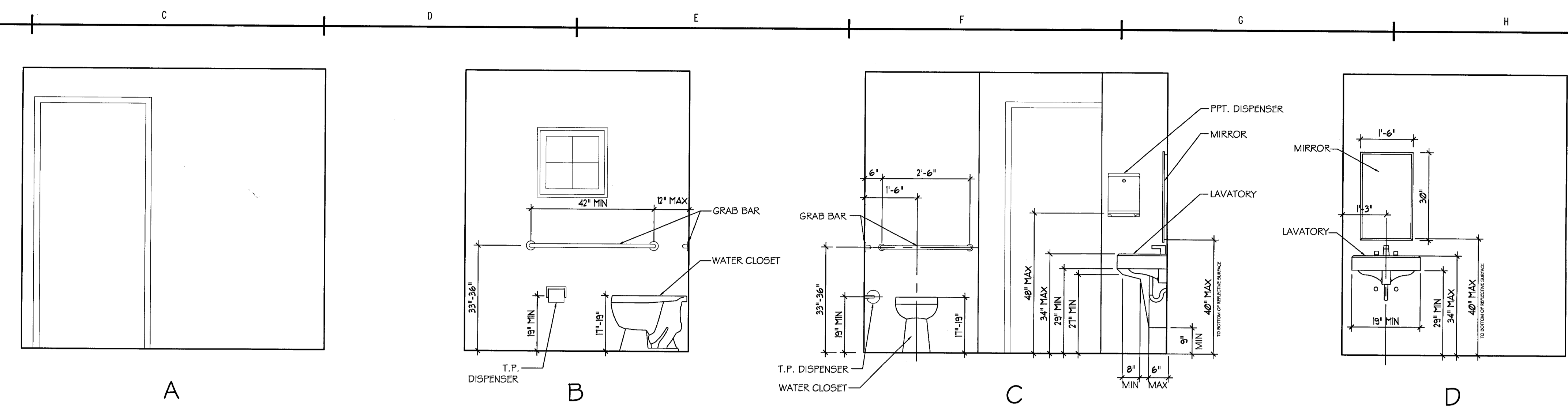
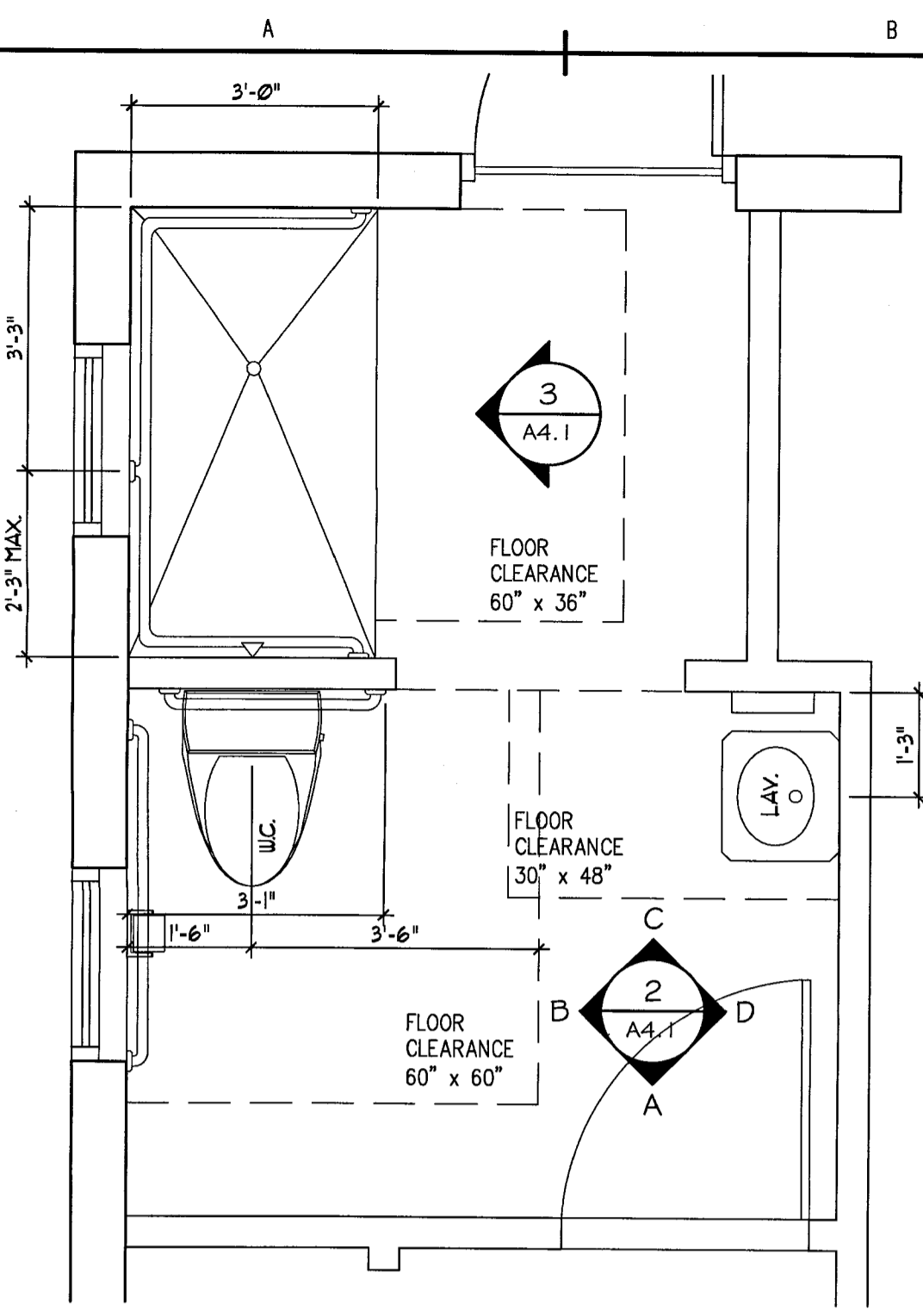
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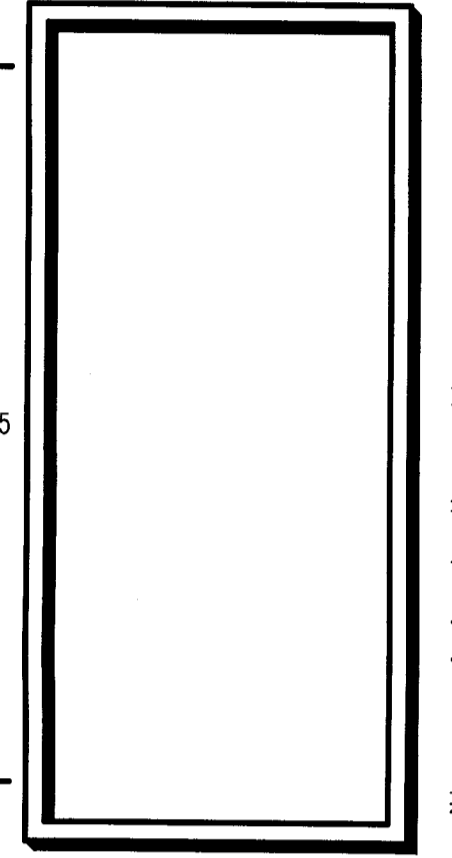
ARCHITECTURAL
 PROJECT NAME:
 LUNG RX RENOVATION OF
 BELLAVISTA TOWNHOUSES
 SATELLITE BEACH, FLORIDA 32937

PROJ # 0510 DATE 03.31.06
 DES BY CA OR BY LM
 DRAWN BY
 SHEET NO.
A3.3
 INTERIOR ELEVATIONS

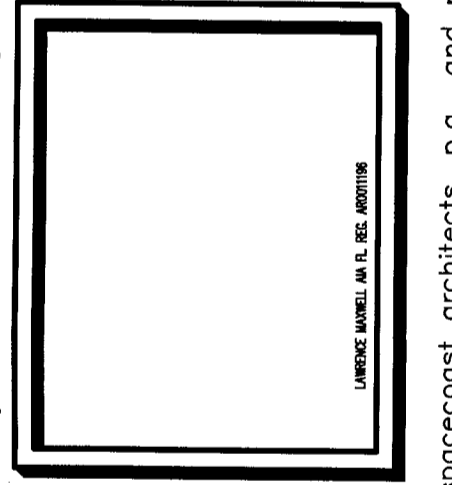
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ARCHITECTURAL
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 SATELLITE BEACH, FLORIDA 32937

PROJ. # 0510	DATE 03.31.06
DWG. BY CA	DR. BY LM
DESIGNED BY	SHEET NO. 1
A4.1	
ENLARGED RR PLANS	

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ABBREVIATIONS

(NOT ALL ARE USED)

AC	AIR CONDITIONING
AF	ABOVE FINISHED FLOOR
AG	ABOVE GRADE
AHU	AIR HANDLING UNIT
AD	ACCESS DOOR
APPROX	APPROXIMATELY
BDD	BACK DRAFT DAMPER
BOD	BOTTOM OF DUCT
BTU	BRITISH THERMAL UNIT
CAF	CAPACITY
CD	CONDENSATE DRAIN
CFM	CUBIC FEET PER MINUTE
CMU	CONCRETE MASONRY UNIT
CONN	CONNECTION
CU	CONDENSING UNIT
DB	DRY BULB
DI	DOOR GRILLE
DI	DIGITAL INPUT
DN	DOWN
DO	DIGITAL OUTPUT
EAT	ENTERING AIR TEMPERATURE
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
EG	EXHAUST GRILLE
ELEC	ELECTRICAL
EX	EXHAUST
ENT	ENTERING
ESP	EXTERNAL STATIC PRESSURE
F	FAHRENHEIT
FA	FILTER ACCESS
FACP	FIRE ALARM CONTROL PANEL
FCD	FLOW CONTROL DAMPER
FD	FIRE DAMPER
FLA	FULL LOAD AMPACITY
PFM	FEET PER MINUTE
FMIB	FAN POWER MIXING BOX
HP	HORSEPOWER
HZ	HERTZ
IN-H2O	INCHES OF WATER
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LAT	LATENT
LD	LOWERED DOOR
LRA	LOCKED ROTOR AMPS
LVG	LEAVING
MAX	MAXIMUM
MIB	1000BTU
MCA	MINIMUM CIRCUIT AMPACITY
MISC	MISCELLANEOUS
NIS	NOT TO SCALE
OA	OUTSIDE AIR
QAL	OUTSIDE AIR LOUVER
OC	ON CENTER
PD	PRESSURE DROP
PH	PHASE
PVC	POLYVINYLCHLORIDE
RA	RETURN AIR
REF	REFRIGERANT
RG	RETURN GRILLE
RLA	RUNNING LOAD AMPS
RTU	ROOFTOP A/C UNIT
SA	SUPPLY AIR
SD	SUPPLY DIFFUSER
SE	FIRE STAT
SS	SUPPLY GRILLE
SEN	SENSIBLE

LEGEND

	SUPPLY
	RETURN
	EXHAUST
	THERMOSTAT
	REMOTE TEMPERATURE SENSOR
	SMOKE DETECTOR
	MANUAL VOLUME DAMPER
	DUCTWORK
	FLEX DUCT
	BACK DRAFT DAMPER
	SPIN-IN FITTING W/DAMPER
	FIRE DAMPER
	AIR FLOW DIRECTION
	3/4" DOOR UNDERCUT
	PIPING UP
	PIPING DOWN

PROJECT GENERAL NOTES

- SUPPORT DUCTS PER SMACNA FROM SUPPORT STRUCTURE.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, 2004, SMACNA FGDCS & DCS, AND NFPA 90A.
- ROUTE ALL DUCTWORK, PIPING, ACCESSORIES AS NECESSARY TO AVOID BUILDING STRUCTURE, COMPONENTS AND LIGHTING. COORDINATE ANY TRANSITIONS MADE TO DUCTWORK WITH MAXIMUM FAN PRESSURE DROP REQUIREMENTS FROM MANUFACTURER. ROUTE/SIZE ALL REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATIONS.
- ALL DIMENSIONS ARE APPROXIMATE. DO NOT SCALE DRAWINGS FOR CONSTRUCTION.
- ALL FINISHED WORK SHALL BE FREE OF DEFECTS WITH EXISTING SURFACES MAINTAINED IN THE SAME CONDITION AS ORIGINAL.
- ALL DEBRIS SHALL BE PROPERLY DISPOSED OF OFF-SITE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING FIRE RATING AND WEATHERPROOFING INTEGRITY OF ALL PIPING AND PENETRATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY SUPPORTING DEVICES FOR ALL ACCESSORIES INCLUDED IN CONTRACT OR HEREIN SPECIFIED OR OTHERWISE.
- CONDENSING UNITS SHALL BE SECURED TO A 6" THICK FIBERMESH REINFORCED CONCRETE PAD PER MANUFACTURERS INSTRUCTIONS TO MEET WIND LOADS PER CODE.
- ELECTRICAL CONTRACTOR SHALL PROVIDE A SUPPLY SMOKE DETECTOR PER FLORIDA BUILDING CODE (2004) AND NFPA-90A FOR ALL AHU > 2000 CFM OR AS APPLICABLE. MECHANICAL CONTRACTOR SHALL INSTALL, PROVIDE A REMOTE INDICATING LIGHT AND AUDIBLE ALARM WITH A KEYED SWITCH IN THE GENERAL VICINITY OF THE SMOKE DETECTORS PER CODE REQUIREMENTS. COORDINATE WITH HVAC SCHEDULES, EXISTING DETECTORS AND EGRESS CORRIDORS.

SPECIFICATIONS

- BASIC MATERIAL AND METHODS**
 - SCOPE OF WORK**

PROVIDE LABOR AND MATERIALS AS REQUIRED TO PROVIDE A FULLY FUNCTIONING AND COMPLETE SYSTEM AS INDICATED ON DRAWINGS. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND EQUIPMENT. FINAL LOCATIONS OF EQUIPMENT SHALL BE FIELD DETERMINED. ALL DISCREPANCIES ON DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IN WRITING PRIOR TO SUBMISSION OF BIDS.
 - GENERAL AND SPECIAL CONDITIONS**

ALL DIVISION 1 SPECIFICATIONS AND ARCHITECTURAL GENERAL AND SPECIAL CONDITIONS OUTLINED IN THE CONTRACT DOCUMENTS APPLY TO MECHANICAL SYSTEMS. ADDITIONALLY, WORK SHALL COMPLY WITH FLORIDA BUILDING CODE (2001) AND REGULATIONS OF THE LOCAL AUTHORITY HAVING JURISDICTION, NATIONAL FIRE PROTECTION ASSOCIATION, AND NATIONAL ELECTRICAL CODE. ALL EQUIPMENT SHALL CARRY THE UNDERWRITER'S LABORATORIES (UL) SEAL WHERE APPLICABLE.
 - QUALITY CONTROL**

UNLESS OTHERWISE NOTED, PROVIDE NEW MATERIALS FREE OF DEFECTS. WHERE NO SPECIFIC WEIGHTS OR GRADES ARE SPECIFIED PROVIDE MATERIALS OF AN ACCEPTED STANDARD WEIGHT AND GRADE ACCORDING TO CODE AND GOVERNING STANDARDS BY ASHRAE, SMACNA, NFPA, AND UL. INSTALL ALL EQUIPMENT, PIPING, DUCTWORK, AND CONTROLS IN ACCORDANCE WITH CODES, GOVERNING STANDARDS, AND MANUFACTURER'S RECOMMENDATIONS.

FIRE PERFORMANCE CHARACTERISTICS OF INSTALLED MATERIALS SHALL BE RATED IN ACCORDANCE WITH ASTM E84. MAXIMUM FLAME SPREAD RATING SHALL BE 25 AND MAXIMUM SMOKE DEVELOPED RATING SHALL BE 50.

SUPPLIED EQUIPMENT SHALL BE AS SCHEDULED OR OWNER APPROVED EQUAL IN QUALITY AND PERFORMANCE.
 - COORDINATION**

COORDINATE ALL WORK FOR PROPER LOCATION, POWER, AND UTILITY REQUIREMENTS. SCHEDULE INSTALLATIONS TO AVOID CONFLICT AMONG TRADES. ADDITIONS TO THE CONTRACT FOR COORDINATION AMONG TRADES WILL NOT BE ALLOWED.
 - PENETRATIONS, CUTTING, AND PATCHING**

SEAL ALL PIPING AND DUCT PENETRATIONS OF WALLS IN ACCORDANCE WITH ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. PIPING PENETRATIONS OF RATED FLOORS AND WALLS SHALL BE SEALED WITH FIRESTOPPING MATERIAL. FLASH ALL ROOF AND WALL PENETRATIONS IN ACCORDANCE WITH ARCHITECTURAL DRAWINGS. PROVIDE FIRE DAMPERS AT ALL RATED PENETRATIONS.
 - HANGERS AND SUPPORTS**

PROVIDE HANGERS AND SUPPORTS FOR ALL PIPING, DUCTWORK, AND EQUIPMENT IN ACCORDANCE WITH SMACNA, MSS, ASME, AND ASHRAE STANDARDS. SUPPORT ALL ITEMS FROM INTEGRAL BUILDING STRUCTURAL MEMBERS. DO NOT HANG ITEMS FROM ROOF DECKING.
 - CONDENSATE PIPING AND REFRIGERANT CHASES**

CONDENSATE PIPES SHALL BE SCH-40 PVC WITH SOLVENT WELDS, ROUTE TO THE CONDENSATE DRAIN. SUPPORT TO BUILDING. ALL INTERIOR PIPES SHALL BE INSULATED WITH 3/4" THICK ARMAFLEX INSULATION.
 - DUCTWORK AND ACCESSORIES**
 - AIR DUCTS - SUPPLY, RETURN & OUTSIDE AIR**

GALVANIZED SHEET METAL WITH LOCK-FORMING QUALITY ASTM A653, G90 COATING, MILL PHOSPHATIZED FINISH FOR DUCTS EXPOSED TO VIEW. CLASS DESIGNATION SHALL BE ADEQUATE FOR PRESSURE IN DUCT SYSTEM PER TOTAL PRESSURE AS SCHEDULED FROM EQUIPMENT SHOP DRAWINGS; ADD A 20% SAFETY FACTOR TO LISTED TOTAL PRESSURE TO ACCOMMODATE CHANGES IN FIELD CONDITIONS TO EXTERNAL STATIC PRESSURE.

INSULATE AIR DUCTS WITH MINERAL FIBERGLASS BLANKETS BONDED WITH A THERMOSETTING RESIN. ASTM C 553, TYPE II, WITHOUT FACING AND WITH ALL-SERVICE JACKET MANUFACTURED FROM KRAFT PAPER, REINFORCING SCRM, ALUMINUM FOIL, VINYL FILM. DENSITY SHALL BE MIN 1.5 LB/CUFT. THICKNESS TO MAINTAIN AN R VALUE OF 6.
 - AIR DUCTS - SUPPLY FROM AHU PLENUM**

FLEXIBLE DUCTWORK WITH ALUMINUM & LAMINATE VAPOR BARRIER WITH INTERNAL POLYESTER FILM SUPPORTED BY HELICAL WIRE WITH 2" FIBROUS GLASS INSULATION FOR AN R-VALUE OF 6.
 - AIR DUCTS - EXHAUST & OUTSIDE AIR**

24 GA GALVANIZED SHEET METAL DUCT SYSTEM WITH LOCK FORMING QUALITY. (SNAP-LOCK)
 - VOLUME CONTROL DAMPERS**

PROVIDE VOLUME CONTROL DAMPERS AT EACH BRANCH DUCT AND AS NECESSARY FOR PROPER SYSTEM BALANCING. PROVIDE FACTORY FABRICATED VOLUME CONTROL DAMPERS COMPLETE WITH REQUIRED LOCKING HARDWARE AND ACCESSORIES.
 - FLEXIBLE CONNECTIONS**

PROVIDE FLEXIBLE CONNECTIONS AT ALL EQUIPMENT CONNECTIONS.
 - TESTING, ADJUSTING, AND BALANCING**

BALANCE AIR FLOWS FOR EQUIPMENT, INLETS AND OUTLETS. TEST AND BALANCE ALL SYSTEMS INSTALLED TO MATCH INDICATED AIRFLOWS WITHIN ± 10% OF INDICATED VALUES. BALANCE AIR INLETS AND OUTLETS AS INDICATED. ADJUST SYSTEMS WHERE NECESSARY. PROVIDE TEST AND BALANCE REPORT INDICATING ALL INTERMEDIATE AND FINAL VALUES. NEBB OR AABC CERTIFICATION OF TEST AND BALANCE PERSONNEL AND REPORT IS REQUIRED ON THIS PROJECT.
 - SUBMITTALS**

PROVIDE 6-SETS (EACH) OF MANUFACTURER'S DATA, O&M MANUALS, ELECTRICAL DATA, DIMENSIONAL DATA AND CLEARANCES, CONNECTION DATA, COLOR SAMPLES (IF REQUIRED), AND TEST DATA FOR THE FOLLOWING:

SPLIT SYSTEMS, EXHAUST FANS, AIR DISTRIBUTION, T&B REPORT.

SHOP DRAWINGS MUST BE SUBMITTED AND APPROVED PRIOR TO ORDERING OF EQUIPMENT. ENGINEER WILL REQUIRE 7 WORKING DAYS TO REVIEW DRAWINGS.

DX SPLIT SYSTEM SCHEDULE

INDOOR UNIT DATA												
TAG	SA (CFM)	OA (CFM)	DX COIL DATA		FAN DATA		HEATER KN-STEPS (Ø240V)	ELECTRICAL DATA				BASIC OF DESIGN
			ENT DB/WB	LVG DB	MAX ESP (IN-H2O)	MOTOR (HP)		CIRCUIT #1		CIRCUIT #1		
								(V/PH)	MCA/MOCP	(V/PH)	MCA/MOCP	
AHU-1S	1980	340	80/67	55	0.5	3/4	9.0	240/1	56.8/60	-	-	CARRIER FC4C060
AHU-2N	1850	160	78/65	55	0.5	3/4	9.0	240/1	56.8/60	-	-	CARRIER FC4C060
AHU-3N	1000	0	75/63	55	0.5	1/2	5.0	240/1	28/30	-	-	CARRIER FA4B036
AHU-4S	1000	0	75/63	55	0.5	1/2	5.0	240/1	28/30	-	-	CARRIER FA4B036
A/C-5	310	0	75/63	55	-	-	-	240/1	0.5/15	-	-	EMI WHP12

OUTDOOR UNIT DATA

TAG	NORMAL CAPACITY (TONS)	REFRIGERANT	MIN EER	DX COIL DATA				BASIS OF DESIGN	PROVIDE & INSTALL	
				(V/PH)	COMPRESSOR (No. - RLA)	COND FAN (No. - FLA)	(MCA/MOCP)		DISCONNECTS	DIV-16
CU-1	5.0	R-410A	14	240/1	1-26.9	1-1.4	35/60	CARRIER 38TSA060	HUMIDISTAT	NONE
CU-2	4.0	R-410A	14	240/1	1-20.5	1-1.1	26.7/40	CARRIER 38TSA048	CONTROL WIRE	DIV-15
CU-3	2.5	R-410A	14	240/1	1-14.7	1-0.8	19.2/30	CARRIER 38TSA030	EXTERNAL POWER	DIV-16
CU-4	2.5	R-410A	14	240/1	1-14.7	1-0.8	19.2/30	CARRIER 38TSA030	SMOKE DETECTOR	*
CU-5	1.0	R-22	12	240/1	1-5.1	1-1.0	7.4/15	EMI SCC12DM	* FURNISHED BY DIV.16, INSTALLED BY DIV.15	

- NOTES:
- PROVIDE PROGRAMMABLE T-STATS FOR ALL AHUS.
 - PROVIDE (1) EXTRA SET OF FILTERS WHICH SHALL BE REPLACED 2 WEEKS AFTER CERTIFICATE OF OCCUPANCY IS SUBMITTED. FILTER REPLACEMENT SHALL BE INCLUDED WITHIN THIS PRODUCT'S BID.
 - CONDENSER COIL GUARDS.
 - SEACOAST PROTECTION.
 - FOR A/C-5, PROVIDE UNIT-MOUNTED T*STAT.

FAN SCHEDULE

MARK	AREA SERVED	CFM	ESP IN-H2O	WATTS	VOLTAGE	DRIVE	MAX SONES	MANUFACTURER & MODEL NUMBER	REMARKS
EF-1	BATHROOM	100	0.25	45	115/1/60	DIRECT	5	COOK GC-140	1, 2, 3, 4, 5
EF-2	BATHROOM	50	0.25	34	115/1/60	DIRECT	5	COOK GC-140	1, 2, 3, 4, 5

- PROVIDE GRILLE.
 - PROVIDE WITH AUTOMATIC BACKDRAFT DAMPER AT OUTLET.
 - CONTROLLED BY WALL SWITCH.
 - SPEED CONTROLLER.
 - PROVIDE WALL CAP.
- ACCEPTABLE MANUFACTURERS:
LOREN COOK
GREENHECK
ACME

AIR DISTRIBUTION SCHEDULE

TAG	AIRFLOW RANGE	NECK SIZE	FACE SIZE	MANUFACTURER AND MODEL NUMBER
SR-1	0-150	6x6	8x8	TITUS 272FL
SR-2	155-210	8x6	10x8	TITUS 272FL
SR-3	215-300	10x6	12x8	TITUS 272FL
SR-4	305-350	12X6	14X8	TITUS 272FL
SR-5	355-500	12X10	14X12	TITUS 272FL
TG-1	0-170	10x6	12x8	TITUS 3FL
TG-2	175-240	14x6	16x8	TITUS 3FL
TG-3	245-300	18x6	20x8	TITUS 3FL
TG-4	305-510	16x10	18x12	TITUS 3FL
RG-1	1600-1700	30x28	32x30	TITUS 56FL
RG-2	1000	24x20	26x22	TITUS 56FL

NOTE: ALL AIR DISTRIBUTION DEVICES ARE SELECTED FOR NC LEVELS ≤ 30.

AIR DISTRIBUTION SCHEDULE

- RG-1 FIXED BLADE RETURN GRILLE, 0-DEGREE DEFLECTION, 3/4" SPACING, WHITE FINISH, ALUMINUM CONSTRUCTION. DESIGN: TITUS 56FL.
- SR-X SUPPLY REGISTER, DOUBLE DEFLECTION, WHITE FINISH, ALUMINUM CONSTR. OPPOSED BLADE BALANCING DAMPER, ADJUSTABLE THROUGH FACE, CFM INDICATED ON PLANS. BASIS OF DESIGN: TITUS 272FL.
- TG-X FIXED BLADE TRANSFER/EXHAUST GRILLE, 45-DEGREE DEFLECTION, 3/4" SPACING, WHITE FINISH, ALUMINUM CONSTRUCTION. BASIS OF DESIGN: TITUS 3FL.

DESIGN DATA

SUMMER OUTSIDE - 91/79 F DB/WB
WINTER OUTSIDE - 35 F
INSIDE TEMP - 70-78 F.

IT IS THE RESPONSIBILITY OF ALL BIDDING CONTRACTORS TO ENSURE THAT EACH OF THEIR SUBCONTRACTORS RECEIVE THE NECESSARY DRAWINGS AND INFORMATION FOR BIDDING. MECHANICAL CONTRACTOR SHALL INDICATE TO ALL BIDDING VENDORS THAT EACH VENDOR SHALL REQUEST FROM THE BLUEPRINT COPY COMPANY FULL SIZE SHEETS PER MECHANICAL CONTRACTOR FOR WHICHEVER DRAWINGS HE/SHE DEEMS NECESSARY.

REVISION	DATE	BY	DESCRIPTION

760 north drive, suite e
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tel: 321.253.1221
fax: 321.253.3123
www.ceengineering.com
license #008097

CONSTRUCTION ENGINEERING GROUP
consulting engineers

BELLAVISTA TOWNHOUSE RENOVATION FOR LUNG RX
SATELLITE BEACH, FLORIDA, 32937

DRAWING TITLE
LEGEND, NOTES AND SCHEDULES

ENGINEER OF RECORD
KEITH J. COUCH, P.E.
FL LICENSE NO. 45074

DATE
03-31-06

SCALE
AS NOTED

PROJ. NO. :
050413

DESIGNED BY:
KJC

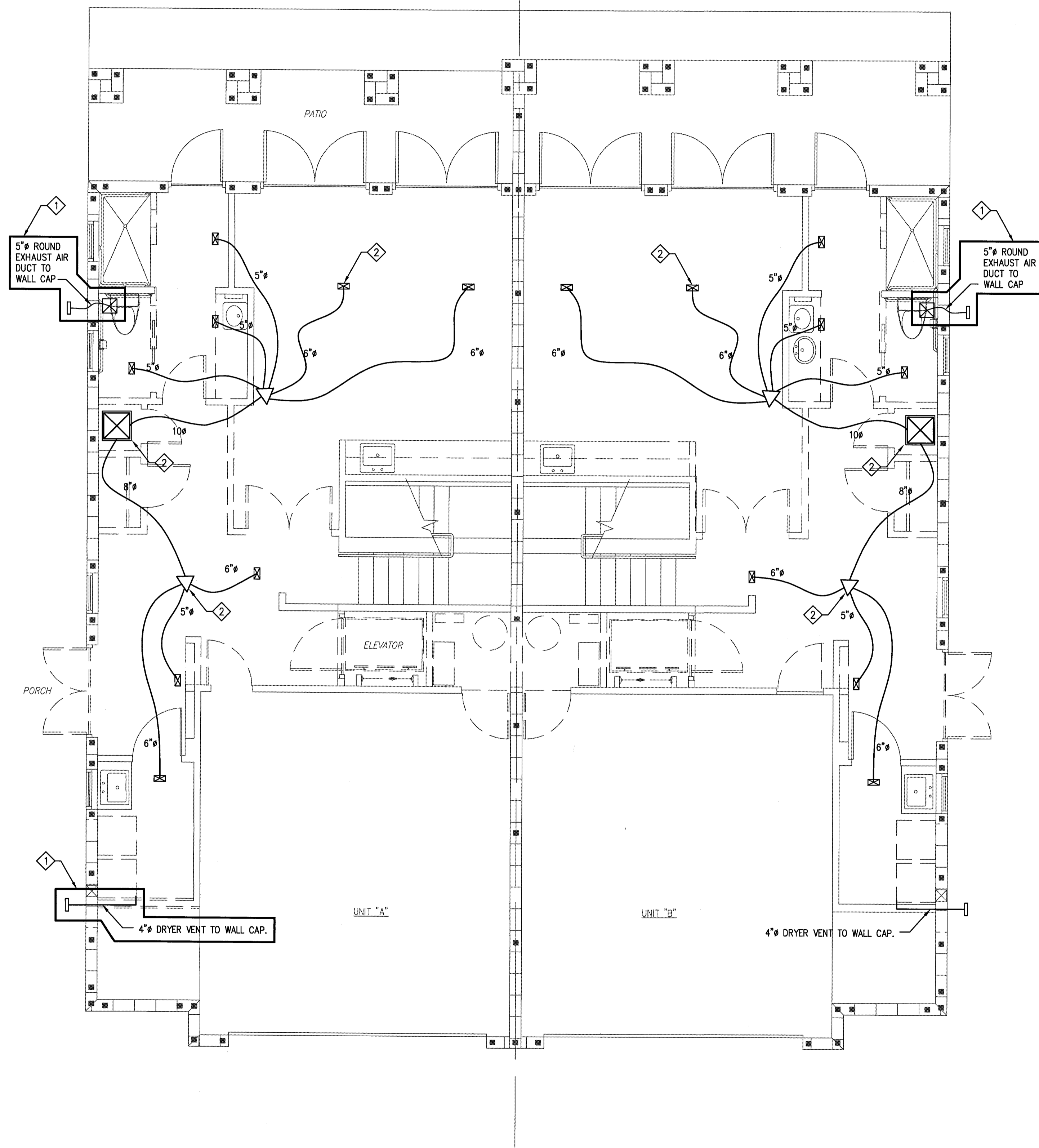
DRAWN BY:
GOB

CHECKED BY:
KJC

DRAWING NO.
M-1

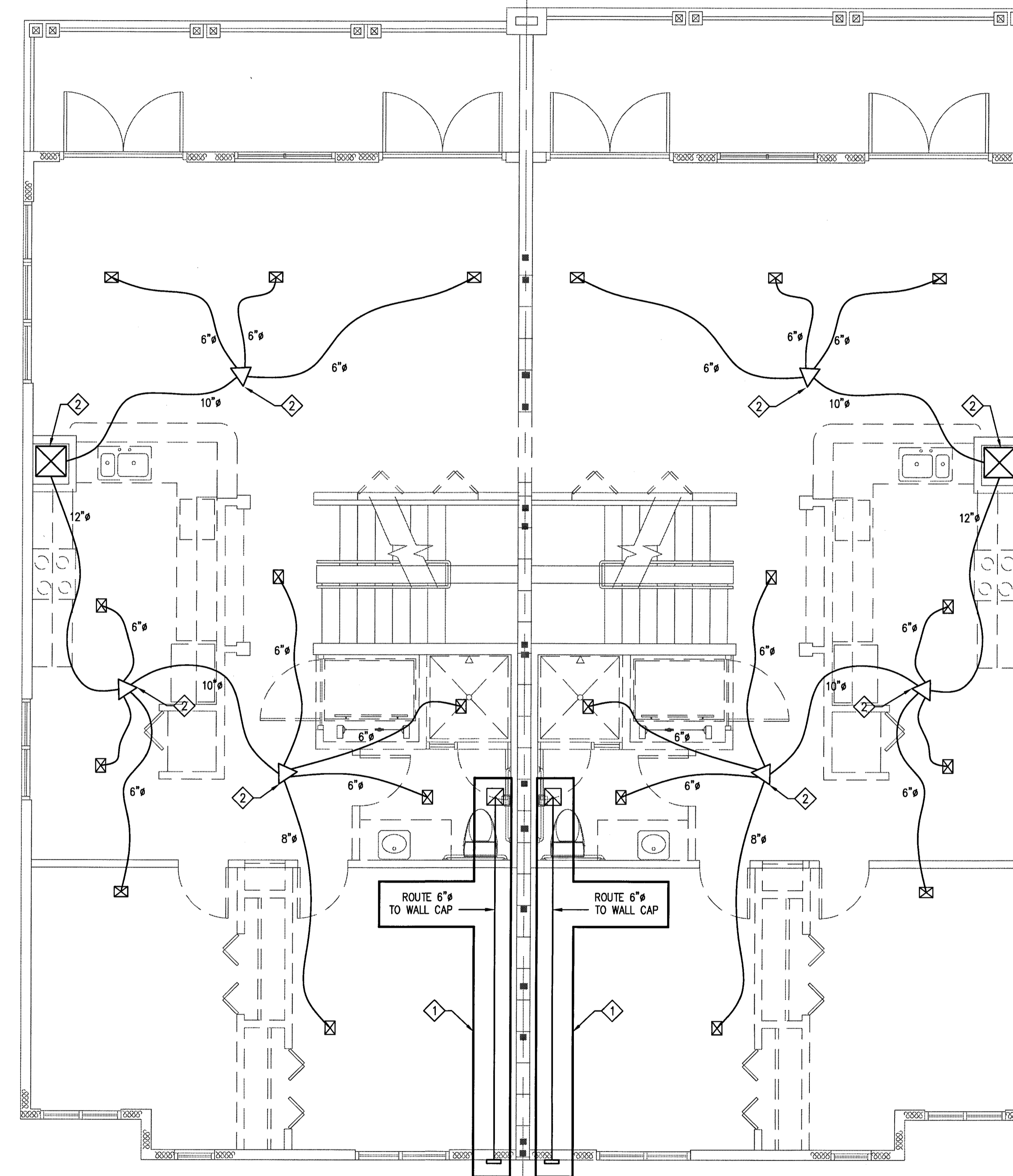
NOTES:

- ◇ EXHAUST DUCT & WALL CAP TO REMAIN.
- ◇ REMOVE DUCTWORK, PLENUMS, ETC. NOT OUTLINED.



1ST FLOOR DEMOLITION PLAN

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



SECOND FLOOR DEMOLITION PLAN

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



REV#	DATE	REVISION

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**BELLAVISTA TOWNHOUSE RENOVATION
FOR LUNG RX**

SATELITE BEACH, FLORIDA, 32937

DRAWING TITLE
**1ST AND 2ND FLOOR
MECHANICAL DEMOLITION PLAN**

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FL LICENSE NO. 45074

DATE
03-31-06

SCALE
AS NOTED

PROJ. NO. :
050413

DESIGNED BY:
KJC

DRAWN BY:
GOB

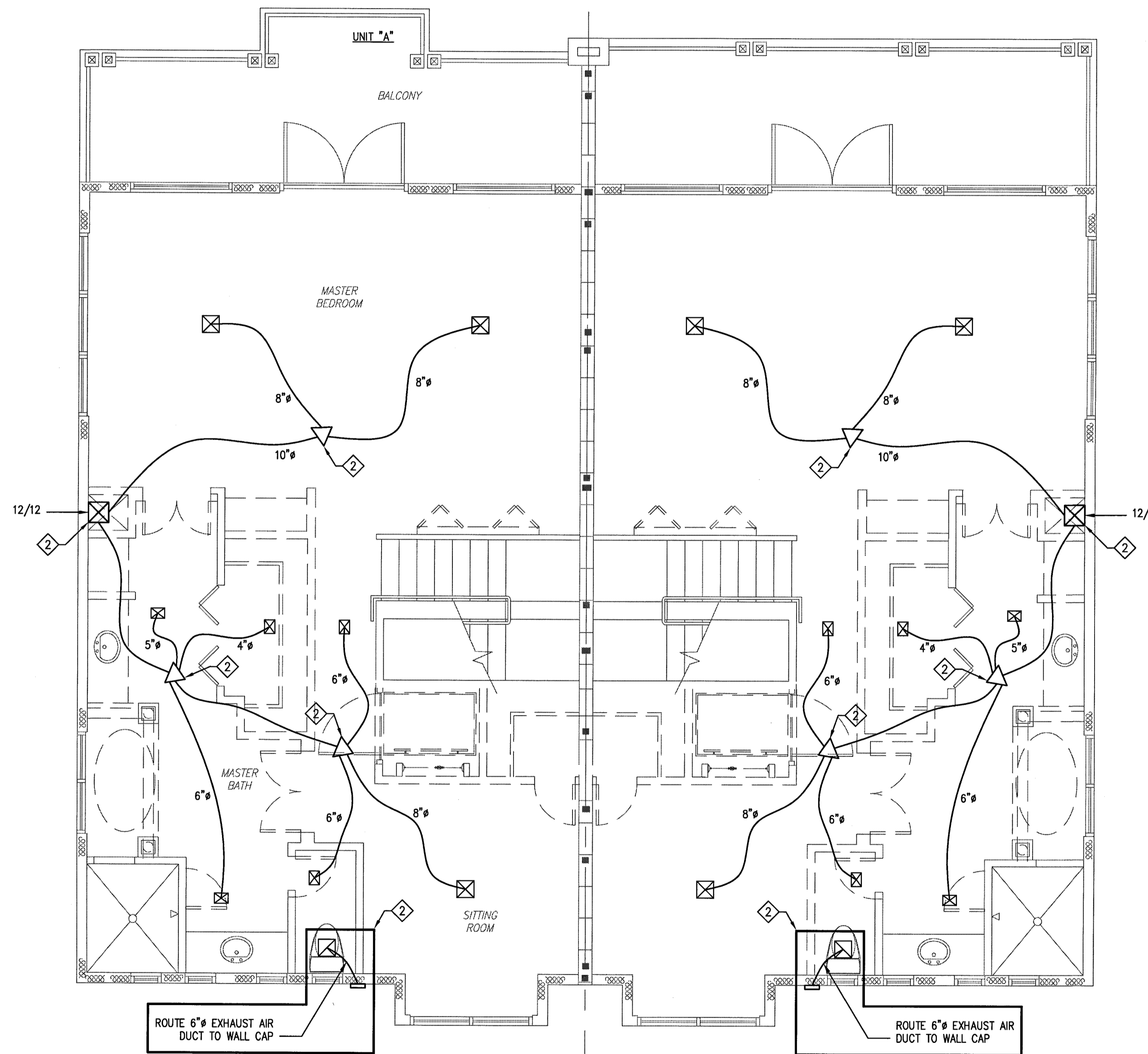
CHECKED BY:
KJC

DRAWING NO.
M-3

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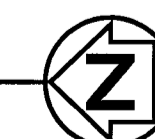
NOTES:

- ◇ EXHAUST DUCT & WALL CAP TO REMAIN.
- ◇ REMOVE DUCTWORK, PLENUMS, ETC. NOT OUTLINED.



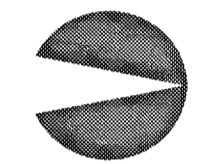
THIRD FLOOR DEMOLITION PLAN

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



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**BELLAVISTA TOWNHOUSE RENOVATION
FOR LUNG RX**
SATELLITE BEACH, FLORIDA, 32937
DRAWING TITLE
3RD FLOOR MECHANICAL DEMOLITION PLAN

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ENGINEER OF RECORD

KEITH J. COUCH, P.E.
FL LICENSE NO. 45074

DATE
03-31-06

SCALE
AS NOTED

PROJ. NO. :
050413

DESIGNED BY:
KJC

DRAWN BY:
GOB

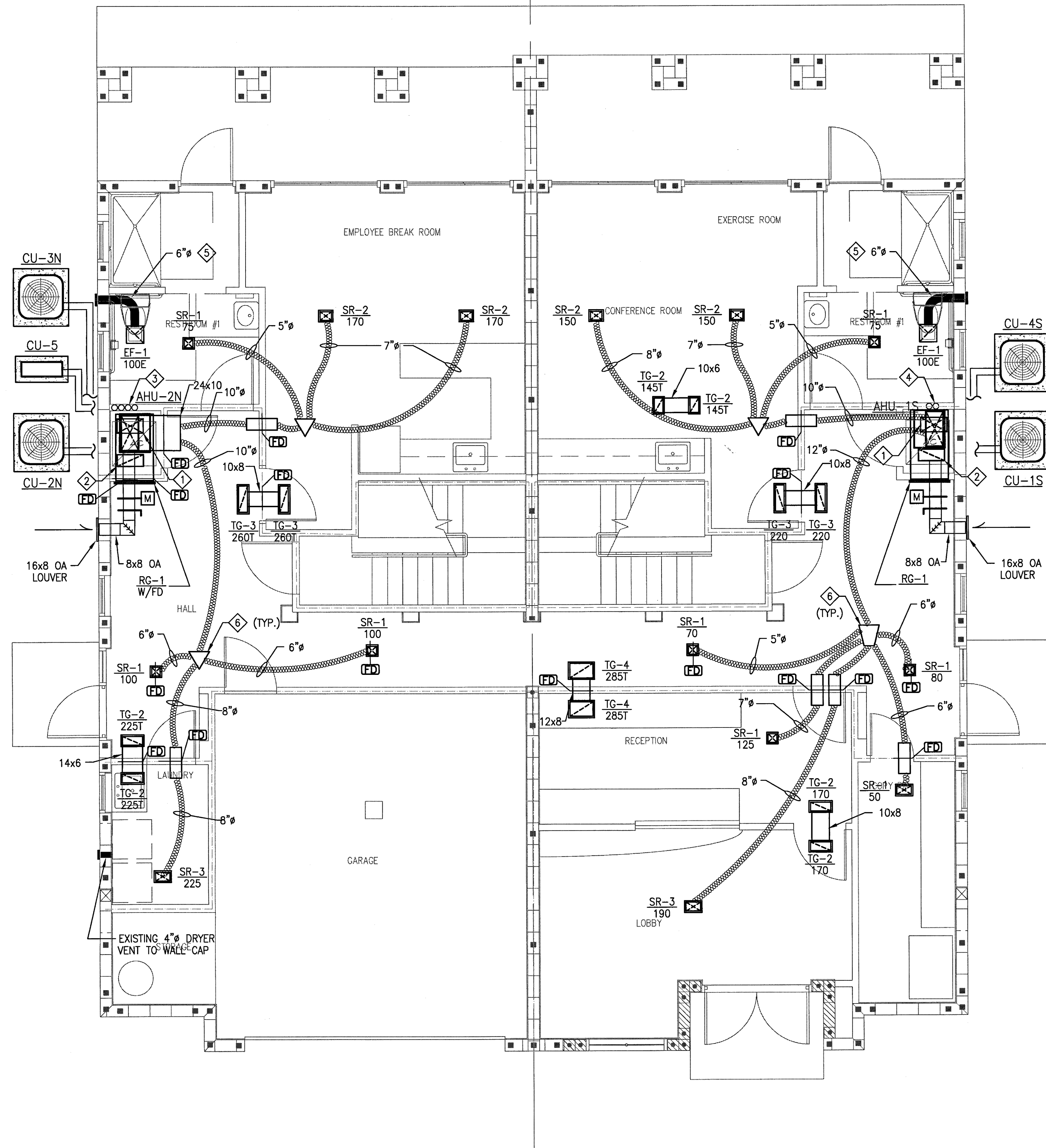
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KJC

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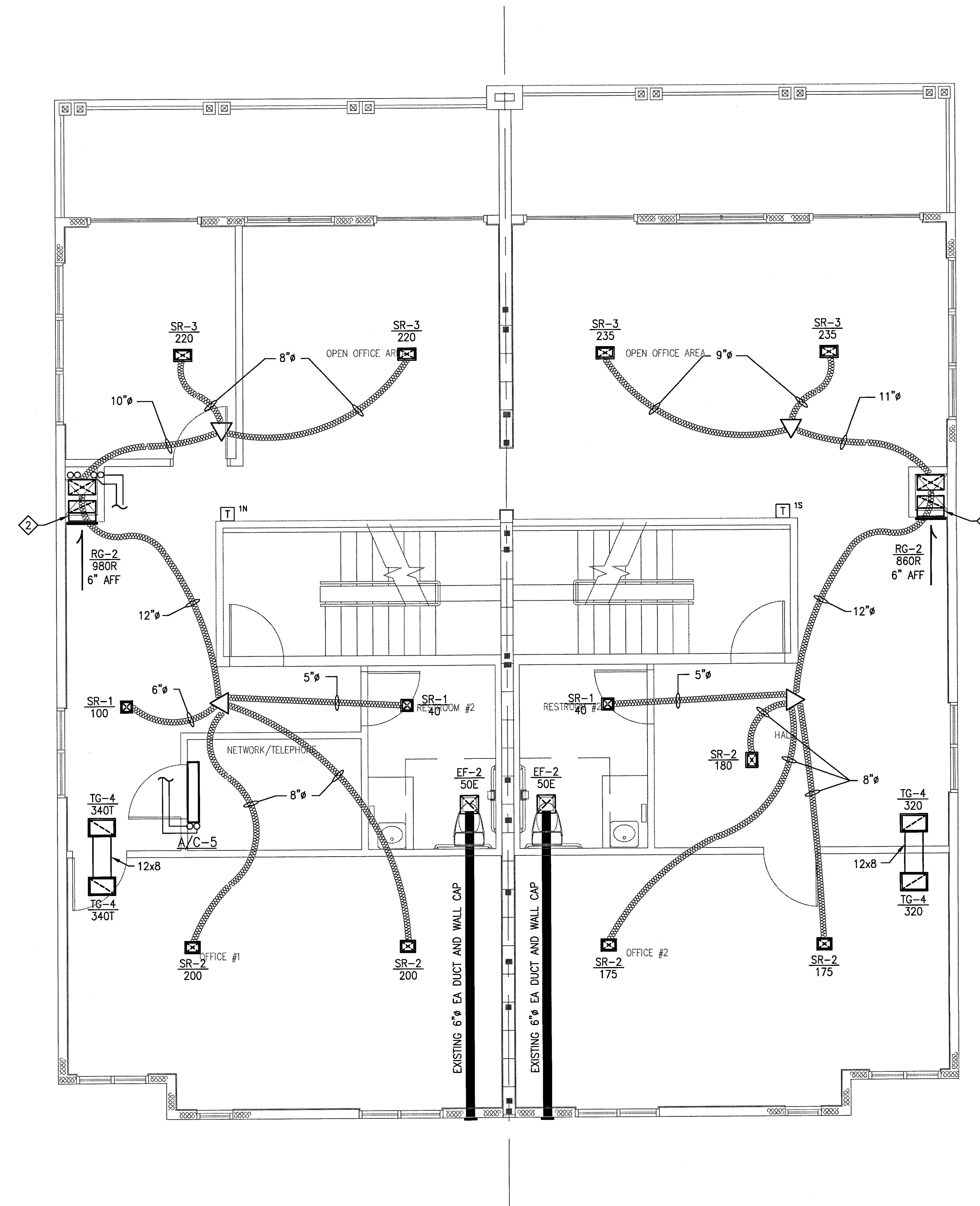
NOTES:

- ① ROUTE 18"x10" SA DUCT UP FROM 24"x12" PLENUM TO 2nd FLOOR.
- ② ROUTE 18"x8" RA DUCT DOWN FROM 2nd FLOOR TO PLENUM.
- ③ ROUTE REFRIGERANT PIPING UP TO 2nd FLOOR FOR A/C-5 & 3rd FLOOR FOR AHU-3N.
- ④ ROUTE REFRIGERANT PIPING UP TO 3rd FLOOR FOR AHU-4S.
- ⑤ ROUTE 6" EXHAUST TO EXISTING WALL CAP.
- ⑥ 14"x14" SUPPLY PLENUM BOX.



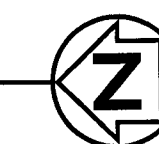
1ST FLOOR MECHANICAL PLAN

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



2ND FLOOR MECHANICAL PLAN

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



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**BELLAVISTA TOWNHOUSE RENOVATION
FOR LUNG RX**
SATELLITE BEACH, FLORIDA, 32937
DRAWING TITLE
FIRST AND SECOND FLOOR MECHANICAL PLAN

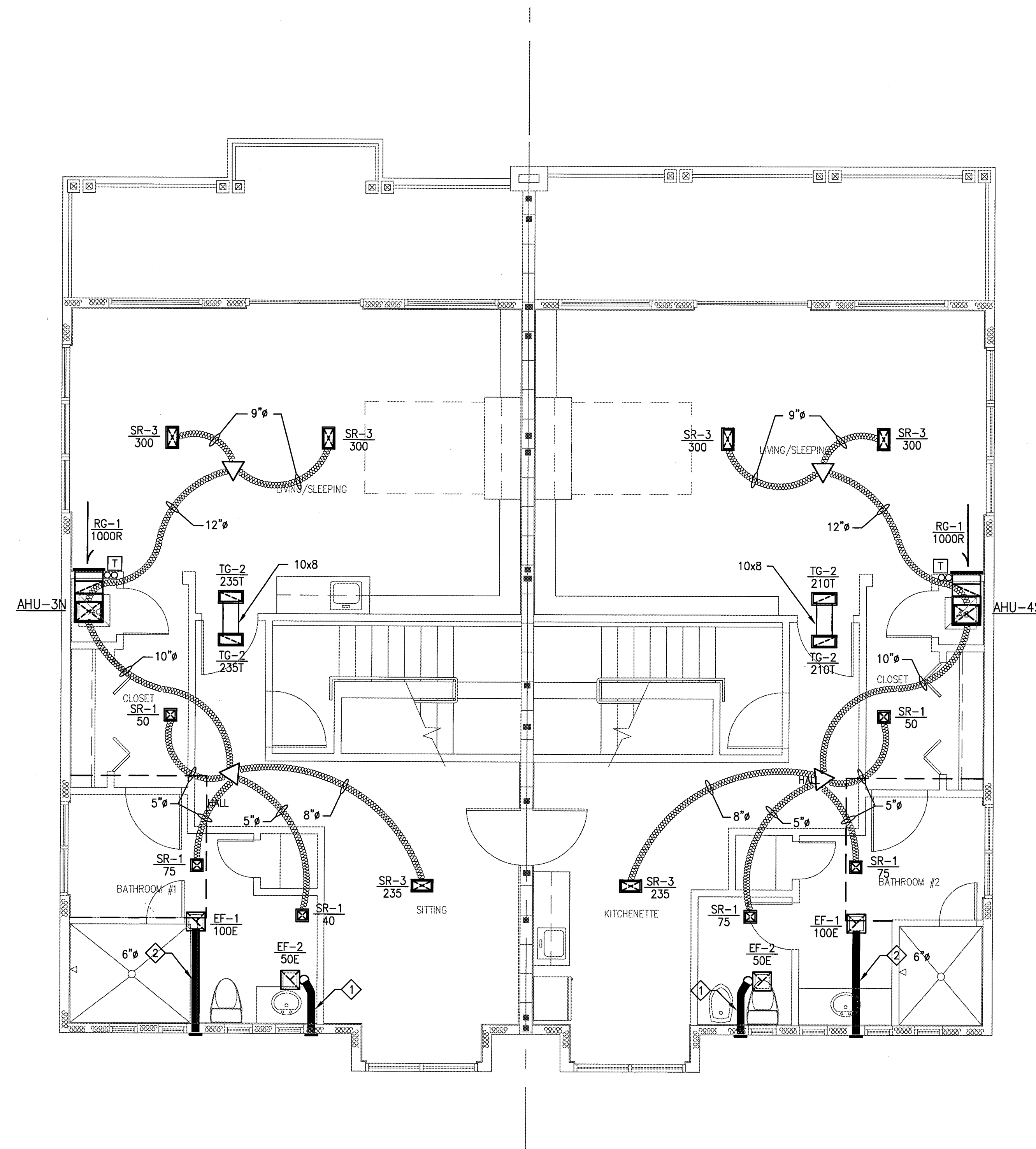
ENGINEER OF RECORD

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FL LICENSE NO. 45074

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CHECKED BY:	KJC
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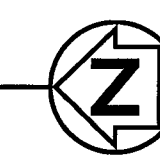
NOTES:

- ① ROUTE 5" EXHAUST DUCT TO EXISTING WALL CAP.
- ② ROUTE 6" EXHAUST DUCT TO WALL CAP.



THIRD FLOOR MECHANICAL PLAN

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



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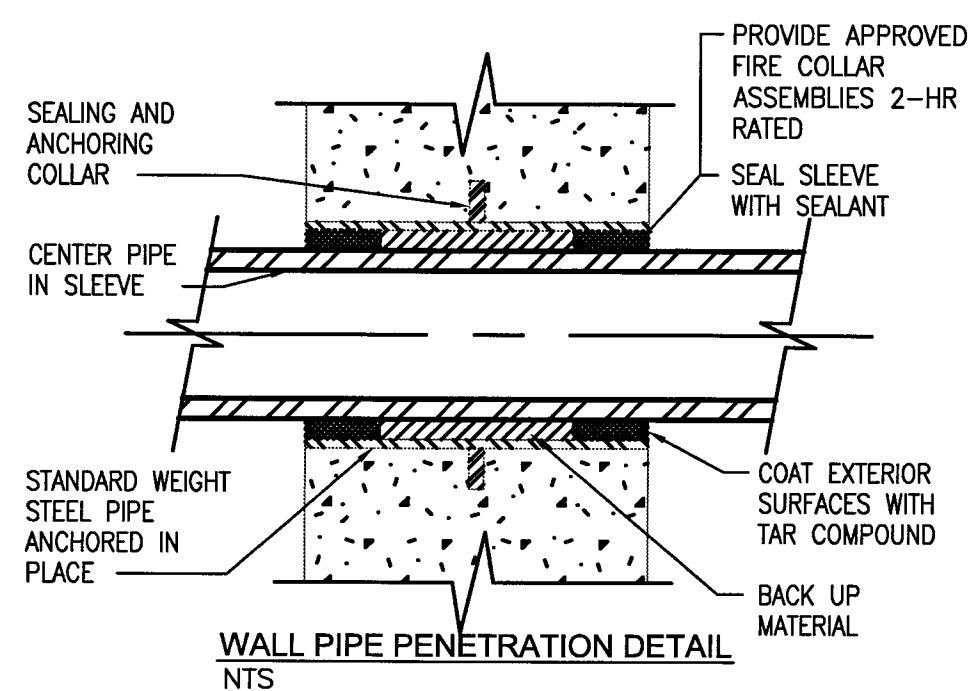
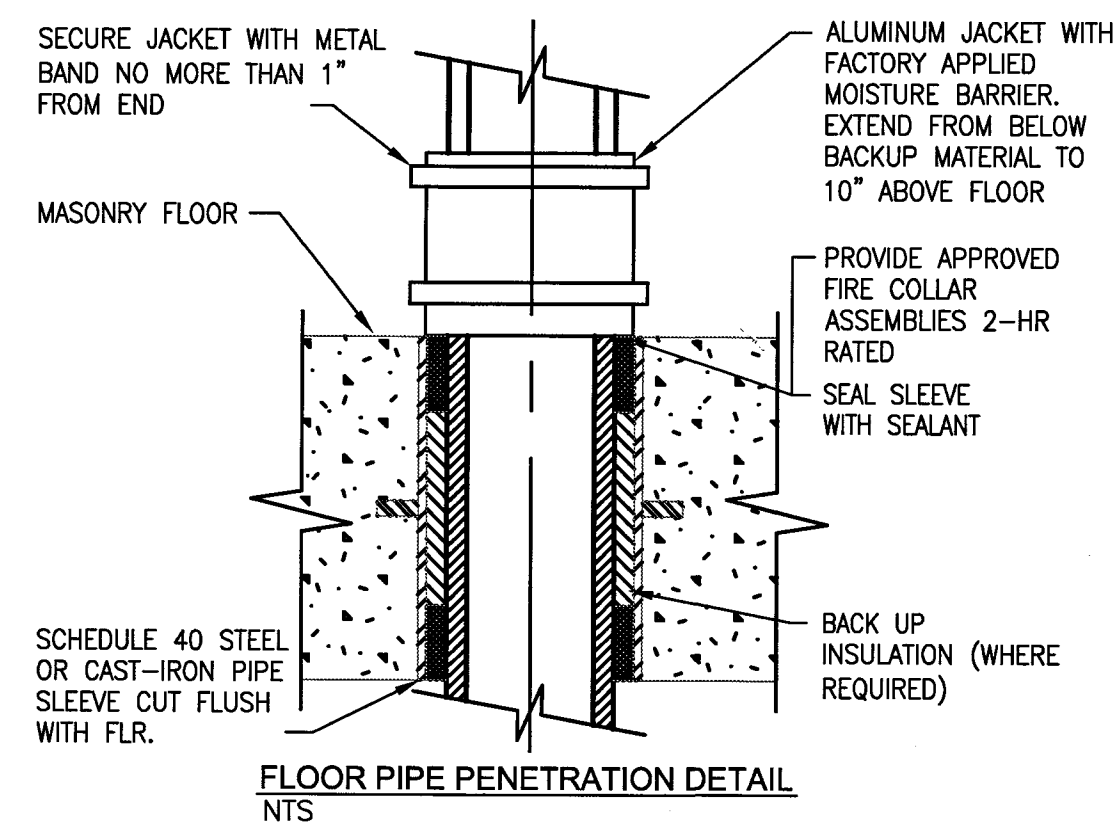
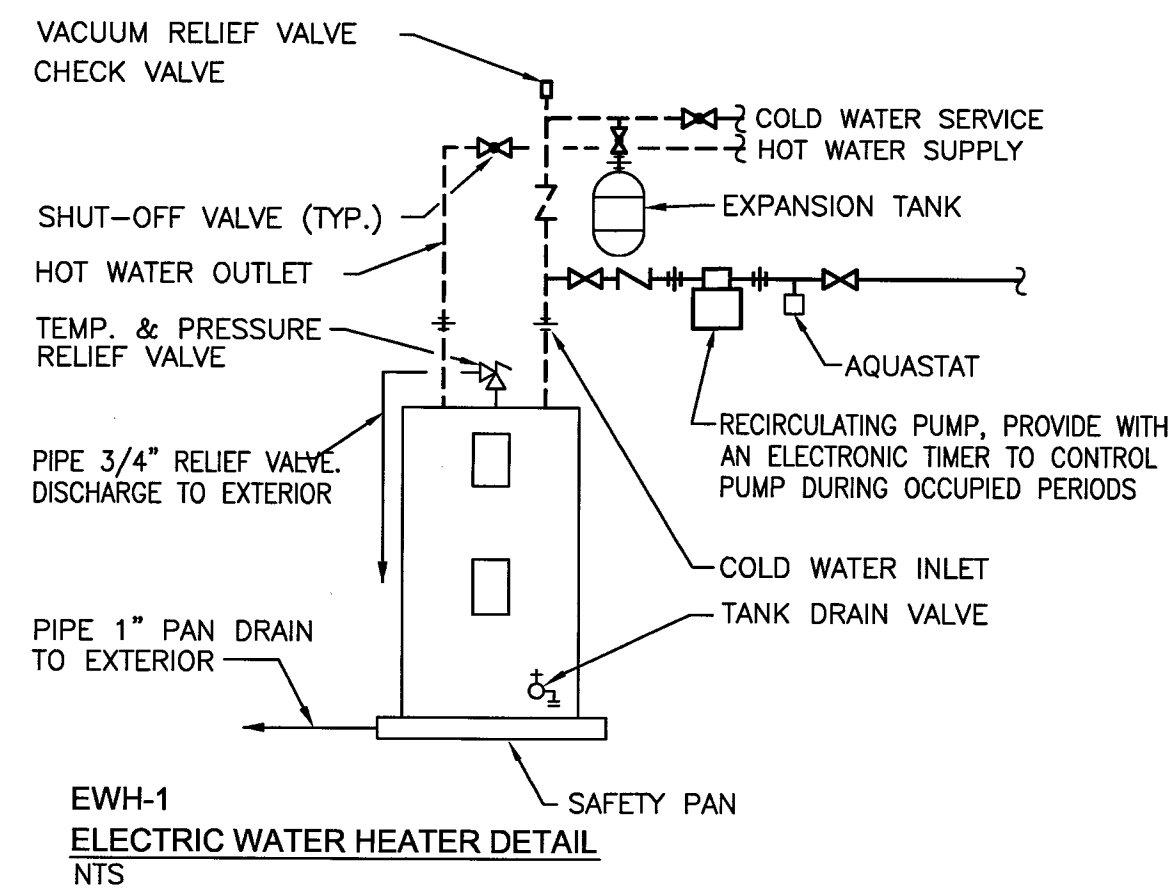
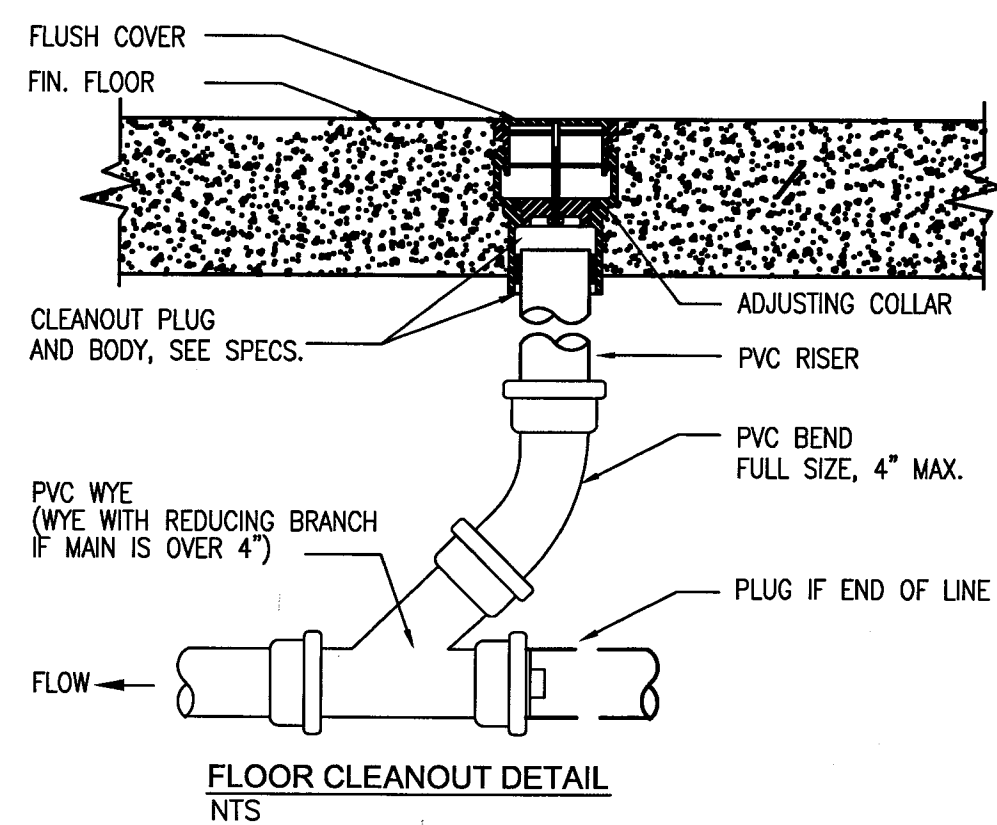
**BELLAVISTA TOWNHOUSE RENOVATION
 FOR LUNG RX**

SATELLITE BEACH, FLORIDA, 32937

DRAWING TITLE
THIRD FLOOR MECHANICAL PLAN

ENGINEER OF RECORD
KEITH J. COUCH, P.E. FL LICENSE NO. 45074
DATE 03-31-06
SCALE AS NOTED
PROJ. NO.: 050413
DESIGNED BY: KJC
DRAWN BY: GOB
CHECKED BY: KJC
DRAWING NO. M-6

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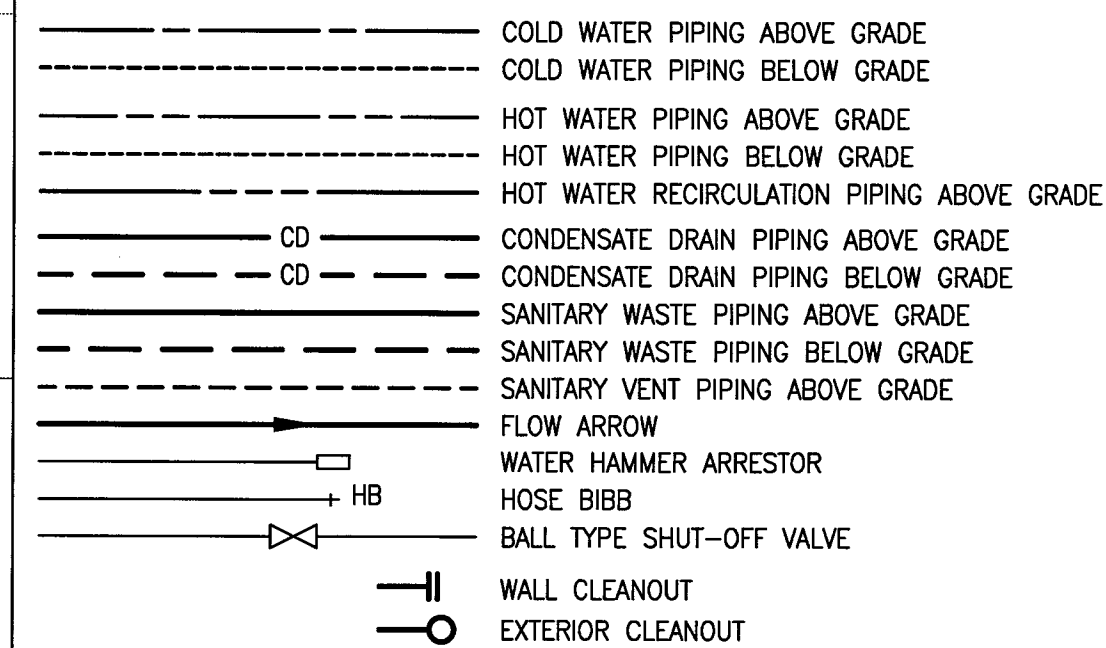
GENERAL NOTES - PLUMBING

- THE BUILDING HAS PLUMBING AND FIRE PROTECTION SYSTEMS IN PLACE. FIELD VERIFY ALL PIPING AND ROUGH-INS PRIOR TO BIDDING.
- 1. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY FITTINGS AS REQUIRED BY ALL APPLICABLE CODES AND GOVERNING AUTHORITIES.
- 2. CONTRACTOR SHALL VERIFY AND CORRECT AS REQUIRED TO MEET ALL CODES AND REGULATIONS ANY POSSIBLE DISCREPANCIES BETWEEN TYPE AND SIZE OF CONNECTION SPECIFIED IN PLUMBING FIXTURE SCHEDULE AND FIXTURES ACTUALLY INSTALLED ON THE SITE.
- 3. ALL SANITARY PIPING SHALL HAVE A 1/8" PER FOOT SLOPE UNLESS OTHERWISE NOTED.
- 4. VENT PIPING SHOWN ON FLOOR PLANS IS ONLY INDICATIVE EXCEPT FOR VTR LOCATIONS.
- 5. VALVES AND FITTINGS SHALL BE OF SAME SIZE OF LINE ON WHICH THEY ARE LOCATED.
- 6. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES.
- 7. CONTRACTOR SHALL FIELD VERIFY ALL GIVEN MEASUREMENTS PRIOR TO LAYING AND CONNECTING ALL PIPING SYSTEMS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- 8. INSTALL WATER HAMMER SHOCK ARRESTORS AT EACH FIXTURE OR BATTERY OF FIXTURES WHERE REQUIRED. ARRESTORS SHALL BE FACTORY-FABRICATED, INSTALL ARRESTORS AND SIZE PER PLUMBING AND DRAINAGE INSTITUTE STANDARD P.D.I. WH-201.
- 9. AIR CHAMBERS SHALL NOT BE CONSIDERED AN EQUAL TO WATER ARRESTORS AS SPECIFIED.
- 10. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING FIRE RATING AND WEATHERPROOFING INTEGRITY OF ALL PIPING AND PENETRATIONS.
- 11. ALL WATER SUPPLY AND SANITARY LINES SHALL BE RUN AS CLOSE TO PLANS AS POSSIBLE WITH NO CHANGES IN SIZING.
- 12. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY SUPPORTING DEVICES FOR ALL FIXTURES INCLUDED IN CONTRACT OR HEREIN SPECIFIED OR OTHERWISE.
- 13. ALL FLOOR DRAINS SHALL BE PROVIDED WITH TRAP PRIMER AND FITTINGS UNLESS NOTED OTHERWISE.
- 14. ROUTE ALL PIPING CONCEALED ABOVE CEILINGS, WITHIN WALLS, OR IN CHASES. PIPING EXPOSED SHALL BE SLOPED AND PAINTED TO MATCH ARCHITECTURAL FINISHES. PIPING IN MECHANICAL ROOMS MAY BE EXPOSED.
- 15. FURNISH AND INSTALL HOSE BIBBS 1'-4" ABOVE FINISHED GRADE/FLOOR AND PROVIDE VACUUM BREAKERS.
- 16. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF PLUMBING FIXTURE MOUNTING HEIGHTS, AND DIMENSIONS.
- 17. CONTRACTOR SHALL INSTALL DIELECTRIC UNIONS AT CONNECTIONS OF DISSIMILAR METALS.
- 18. CONTRACTOR SHALL ROUGH-IN ALL WASTES AND SUPPLIES TO SPECIAL EQUIPMENT ACCORDING TO MANUFACTURER'S SHOP DRAWINGS AND MAKE FINAL CONNECTIONS. ALL SUPPLIES SHALL BE VALVED. INSTALL VACUUM BREAKERS WHERE REQUIRED BY CODE.
- 19. ALL WATER PIPING INSTALLED IN EXTERIOR WALLS SHALL BE PLACED ON THE INTERIOR SIDE OF THE WALL, SO THAT WALL INSULATION CAN BE PLACED ON THE EXTERIOR SIDE OF THE PIPING.
- 20. DO NOT PENETRATE WALL FOOTINGS WITH PIPING, COORDINATE WITH GENERAL CONTRACTOR TO DROP FOOTINGS AS REQUIRED TO CLEAR PLUMBING SERVICES WHERE ABSOLUTELY NECESSARY. ALL PIPING PENETRATING A BEARING WALL OR FOOTING MUST BE SLEEVED AND LOCATION APPROVED BY STRUCTURAL ENGINEER.
- 21. PIPING SHALL ESSENTIALLY BE ROUTED AND LOCATED AS INDICATED ON THE DRAWINGS; HOWEVER, ACTUAL PLACEMENT SHALL BE VERIFIED BY CONFIRMING EXACT LOCATION OF STRUCTURES AND OTHER UTILITIES IN THE FIELD AND BY CAREFUL LAYOUT PRIOR TO EXECUTION OF THE WORK. DRAWINGS ARE GENERALLY DIAGRAMMATIC AND DO NOT SHOW BE CONCEALED EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE.
- 22. HOT AND COLD WATER SUPPLY PIPES AND DRAIN PIPES UNDER HANDICAPPED LAVATORIES SHALL BE INSULATED PER AMERICANS WITH DISABILITIES ACT, WITH FACTORY PREFABRICATED MICROBIAL PVC RESIN SEAMLESS INSULATION. BASIS OF DESIGN: ZURN INDUSTRIES, INC.
- 23. WALL BRACKETS, HANGERS, SUPPORTS, ETC. SHALL BE PROVIDED WHERE REQUIRED IN ACCORDANCE WITH THE BEST STANDARD PRACTICE OF THE TRADE AND AS PER CODE. ADDITIONAL SUPPORTS SHALL BE PROVIDED TO TRANSMIT LOADS TO THE MAIN STRUCTURE WHERE REQUIRED. CPVC PIPING SUPPORTS SHALL BE 3'-0" ON CENTER FOR 1/2" THRU 1" AND 4'-0" ON CENTER FOR 1-1/2" OR LARGER. ALL EXPOSED SUPPORTS SHALL BE HOT DIPPED GALVANIZED OR FIBERGLASS REINFORCED "UNISTRUT" TYPE INCLUDING HARDWARE.
- 24. SANITARY VENT AND WASTE PIPING SHALL BE COLLECTED AND TERMINATED AT A POINT SHOWN ON THE DRAWINGS. PIPING SHALL BE SCHEDULE 40 PVC-DWV WITH SOLVENT JOINTS.
- 25. BUILDING DOMESTIC WATER PIPING (ABOVE FLOOR) SHALL BE HARD COPPER TUBING, ASTM B-88 TYPE L & M, WATER TUBE, DRAWN TEMPER. COPPER PRESSURE FITTINGS WITH SOLDERED JOINTS. PIPING 2" AND LARGER SHALL HAVE GROOVED END FITTINGS, KEYS COUPLINGS AND GROOVED JOINTS. ALL PIPING SHALL BE WATERTIGHT WHEN FINISHED. INSULATE HOT WATER LINES WITH 3/4" CELLULAR ELASTOMERIC INSULATION.
- 26. BALL VALVES 1/4" THROUGH 2" SHALL BE TWO PIECE - 600 WOG, TEFLON SEATS, ANSI 316 STAINLESS STEEL BALL AND STEM (EXTENSION STEM ON INSULATED HOT WATER AND TEMPERED HOT WATER), BRONZE BODY WITH THREADED OR SOLDER END.

FIXTURE SCHEDULE

- COORDINATE COLOR SELECTION WITH OWNER PRIOR TO SUBMITTALS
- WC-1 - WATER CLOSET - CADET 17" H - BARRIER FREE**
- TANK TYPE, PRESSURE ASSISTED SIPHON JET, ELONGATED BOWL, FLOOR MOUNTED, WITH BOLT CAPS, 1.6 GAL/FLUSH.
 - EASY CLEAN, SOLID PLASTIC SEAT, CLOSED FRONT, STAINLESS STEEL POSTS, BRASS NUTS, AND CHECK HINGE WITH COVER.
 - 4"WASTE/SANITARY, INTERNAL TRAP, 2"VENT, NO HW, 1/2"CW SUPPLY WITH ANGLE STOP.
 - AM. STD. -3042.109
 - AM. STD. -4086.100
 - AM. STD. -5324.019
- LAV-1 - WALL HUNG LAVATORY - BARRIER FREE**
- VITREOUS CHINA, 20" x 18".
 - 1-1/4" 17 GAUGE P-TRAP WITH CLEAN OUT.
 - WALL MOUNTED.
 - 4" CENTERSET GOOSENECK FAUCET WITH SQUARE HANDLES, 2.0 GPM, WITH PERFORATED STRAINER WITH 1-1/4" TAILPIECE. 3/8" ANGLE STOP. NOTE: INSULATE DRAIN, H.&C.W. SUPPLY.
 - 2"WASTE/SANITARY, 1-1/4"TRAP, 2"VENT, 1/2" HW, 1/2"CW
 - AM. STD. -0124.024
 - ZURN - Z-812A1
- WC-2 - WATER CLOSET - CADET ELONGATED**
- TANK TYPE, PRESSURE ASSISTED SIPHON JET, ELONGATED BOWL, FLOOR MOUNTED, WITH BOLT CAPS, 1.6 GAL/FLUSH.
 - EASY CLEAN, SOLID PLASTIC SEAT, CLOSED FRONT, STAINLESS STEEL POSTS, BRASS NUTS, AND CHECK HINGE WITH COVER.
 - 4"WASTE/SANITARY, INTERNAL TRAP, 2"VENT, NO HW, 1/2"CW SUPPLY WITH ANGLE STOP.
 - AM. STD. -3081.017
 - AM. STD. -4086.100
 - AM. STD. -5324.019
- LAV-2 - WALL HUNG LAVATORY**
- VITREOUS CHINA, 20" x 18".
 - 1-1/4" 17 GAUGE P-TRAP WITH CLEAN OUT.
 - WALL MOUNTED.
 - 4" CENTERSET GOOSENECK FAUCET WITH SQUARE HANDLES, 2.0 GPM, WITH PERFORATED STRAINER WITH 1-1/4" TAILPIECE. 3/8" ANGLE STOP. NOTE: INSULATE DRAIN, H.&C.W. SUPPLY.
 - 2"WASTE/SANITARY, 1-1/4"TRAP, 2"VENT, 1/2" HW, 1/2"CW
 - AM. STD. -0321.026
 - ZURN - Z-812A1
- SK-1 - SINGLE COMPARTMENT SINK (COUNTERTOP)**
- 18 GAUGE, TYPE 304 (18-8) STAINLESS STEEL, 3-HOLE PUNCH, SELF RIMMING, BOWL DEPTH 7", CENTER REAR DRAIN LOCATION.
 - GOOSENECK FAUCET WITH SWING SPOUT AND TWO QUICK TURN WING HANDLES. 1-1/2" DRAIN OUTLET WITH BASKET STRAINER. 1-1/2" 17 GAUGE P-TRAP WITH CLEANOUT. 3/8" ANGLE STOP.
 - 1-1/2" WASTE, 1-1/2" TRAP, 1-1/2" VENT, 1/2" HW, 1/2" CW
 - JUST - SL-1921-A-GR
 - JUST - J-1174
 - JUST - J-35
- SK-2 - SINGLE COMPARTMENT (COUNTERTOP)**
- 18 GAUGE, TYPE 304 (18-8) STAINLESS STEEL, 1-HOLE PUNCH, SELF RIMMING, BOWL DEPTH 7", CENTER REAR DRAIN LOCATION.
 - DECK MOUNTED FAUCET WITH SWING SPOUT AND SINGLE LEVER HANDLE.
 - 1-1/2" DRAIN OUTLET WITH BASKET STRAINER.
 - 1-1/2" 17 GAUGE P-TRAP WITH CLEANOUT. 3/8" ANGLE STOP.
 - 1-1/2" WASTE, 1-1/2" TRAP, 1-1/2" VENT, 1/2" HW, 1/2" CW
 - JUST - SL-2125-A-GR
 - JUST - JTR-51-R70
 - JUST - J-35
- BS-1 - FUTURE SINGLE COMPARTMENT BAR SINK (COUNTERTOP)**
- 20 GAUGE, 304 (18-8) STAINLESS STEEL, 3-HOLE PUNCH, SELF RIMMING.
 - GOOSENECK FAUCET WITH SWING SPOUT AND TWO QUICK TURN WING HANDLES.
 - 1-1/2" DRAIN OUTLET WITH GRID STRAINER.
 - 1-1/2" 17 GAUGE P-TRAP WITH CLEANOUT. 3/8" ANGLE STOP.
 - 1-1/2" WASTE, 1-1/2" VENT, 1/2" HW, 1/2" FCW
 - JUST - SBL-1515-A-GR
 - JUST - JGN-4
 - JUST - J-35
- SH-1 - SHOWER STALL:**
- SHOWER STALL, SEE ARCHITECTURAL.
 - SINGLE CONTROL, LEVER HANDLE, PRESSURE BALANCE MIXING VALVE, INTEGRAL SERVICE STOP, IN-LINE VACUUM BREAKER, 2.5 GALLONS PER MINUTE SHOWER HEAD, 3" ROUND DRAIN.
 - 3" WASTE & TRAP, 1/2" HW, 1/2" CW
 - ZURN Z-7101-HS-WH
- BD-1 - BIDET:**
- CHINA BOWL WITH VERTICAL SPRAY OPERATION
 - DUAL CONTROL, LEVER HANDLES, MIXING FAUCET FITTING WITH INTEGRAL VACUUM BREAKER RISER.
 - 1-1/2" WASTE & TRAP, 1/2" HW, 1/2" CW
 - KOHLER K-4854-G9

PLUMBING LEGEND



ABBREVIATIONS:

A/C	AIR CONDITIONING	GPM	GALLONS PER MINUTE
A/E	ARCHITECT/ENGINEER	HB	HOSE BIBB
ADA	AMERICANS WITH DISABILITIES ACT	HR	HOUR
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	IR	INDIRECT RECEPTOR
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS	MAX	MAXIMUM
		MIN	MINIMUM
AAV	AIR ADMITTANCE VALVE	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
BHP	BRAKE HORSEPOWER	NTS	NOT TO SCALE
BTU	BRITISH THERMAL UNIT	O/F	OWNER FURNISHED
C/I	CONTRACTOR INSTALLED	PDI	PLUMBING DRAINAGE INSTITUTE
CONN	CONNECTION	P.O.C.	POINT OF CONNECTION
CONT	CONTINUOUS	PSIG	POUNDS PER SQUARE INCH
CV	CHECK VALVE	RM	ROOM
CW	COLD WATER	SBC	STANDARD BUILDING CODE
DN	DOWN	SPC	STANDARD PLUMBING CODE
DWG	DRAWING	T & P	TEMPERATURE & PRESSURE
ECO	EXTERIOR CLEAN OUT	TPV	TRAP PRIMER VALVE
F	DEGREES FAHRENHEIT	TYP	TYPICAL
FCO	FLOOR CLEAN OUT	U/G	UNDERGROUND
FD	FLOOR DRAIN	W/I	WITH
GAL	GALLONS	WCO	WALL CLEAN OUT

PLUMBING EQUIPMENT SCHEDULE

- FLOOR CLEANOUT (FCO)**
- 2"-3"-4" FLOOR CLEANOUT: ZURN ZN1400-NL-BP BRONZE PLUG (PVC OR CAST IRON PLUG NOT APPROVED). * COORDINATE FLOOR CLEANOUT TYPES WITH ARCHITECTURAL FINISH SCHEDULE ZURN ZN1400-CM-NL-A FOR CARPETED SURFACES, ZURN ZN1400-TX-NL-A FOR TILE. (MATCH PIPE)
- 3/4" SHOCK ABSORBER - PDI:**
- ZURN Z1700-100, PRECISION PLUMBING PRODUCTS, INC., WILKINS 1250-B.
- TRAP PRIMER:**
- JONAS HAES D127033CP - 1-1/4", 17 GAUGE (ROUTE FROM NEAREST LAV)
- 3" FLOOR DRAIN (FD-1)**
- ZURN ZB415-5-TPO (TRAP PRIMER) WITH SQUARE STRAINER. 3" WASTE/SANITARY, 3" TRAP, 1-1/2" VENT.
- 3" FLOOR DRAIN (FD-2)**
- ZURN ZB507 (TRAP PRIMER) WITH MEDIUM DUTY ROUND STRAINER. 3" WASTE/SANITARY, 3" TRAP, 1-1/2" VENT.
- 2" CONDENSATE DRAIN (CD-1)**
- ZURN Z-326 FUNNEL DRAIN. 6-3/4" DIA. FUNNEL, 2" FOR AHU CONDENSATE WASTE.
- 2" HUB DRAIN (HD-1)**
- ZURN ZB415-7-TS WITH RAISED LIP ROUND STRAINER & Z328 4" DIA. FUNNEL CONVERTING ASSEMBLY. 2" WASTE.
- WATER HEATER (EWH-1)**
- ELECTRIC WATER HEATER (A.O. SMITH ECT-55/EWH-1) SHALL BE GLASS LINED, STORAGE TYPE, 150 PSIG TEMPERATURE & PRESSURE RELIEF (ROUTE TO CD-1) 3/4" CONNECTIONS, SET AT 120°F. DIELECTRIC UNIONS, EXP TANK, 6-KW NON-SIMULTANEOUS DUAL ELEMENT, 230/1/60, 55 GALLON STORAGE CAPACITY, 27 GPH RECOVER @ 100 DEG. F. TEMPERATURE RISE. PROVIDE GALV. STEEL DRAIN PAN. PROVIDE WITH RECIRCULATING PUMP (TACO MODEL #0010) CAPABLE OF PROVIDING 5 GPM FLOW AT 11' OF HEAD, 120/1/60.
- WM-1, DW-1, AND RIM-1**
- ROUGH IN AND MAKE CONNECTION PROVIDE WALL BOX - 1/2" CW ISO VALVE FOR REF/ICE (RIM-1) 1/2" HW AND CW FOR DW-1 AND WM-1.
- HB-1**
- EXTERIOR WALL MOUNTED MODERATE CLIMATE HOSE BIB WITH INTEGRAL VACUUM BREAKER/BACKFLOW PREVENTER, 3/4" MALE THREADED HOSE END SPOUT, AND 3/4" COLD WATER SUPPLY CONNECTION.

BELLAVISTA TOWNHOUSE RENOVATION FOR LUNG RX

SATELITE BEACH, FLORIDA, 32937

DRAWING TITLE: PLUMBING NOTES, DETAILS AND SCHEDULES

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ENGINEER OF RECORD

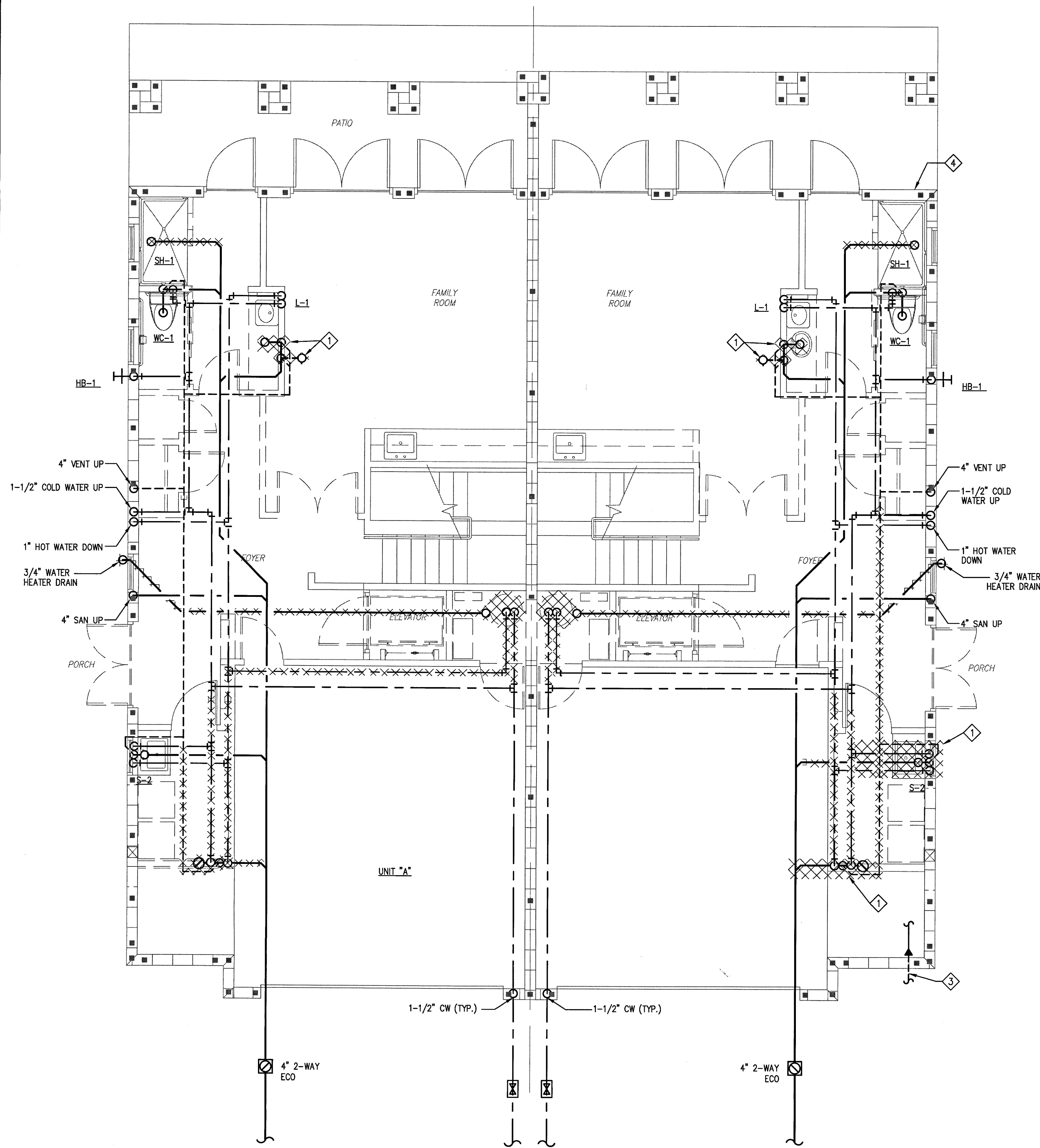
KEITH J. COUCH, P.E.
FL LICENSE NO. 45074

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DRAWN BY:	JPM
CHECKED BY:	KJC
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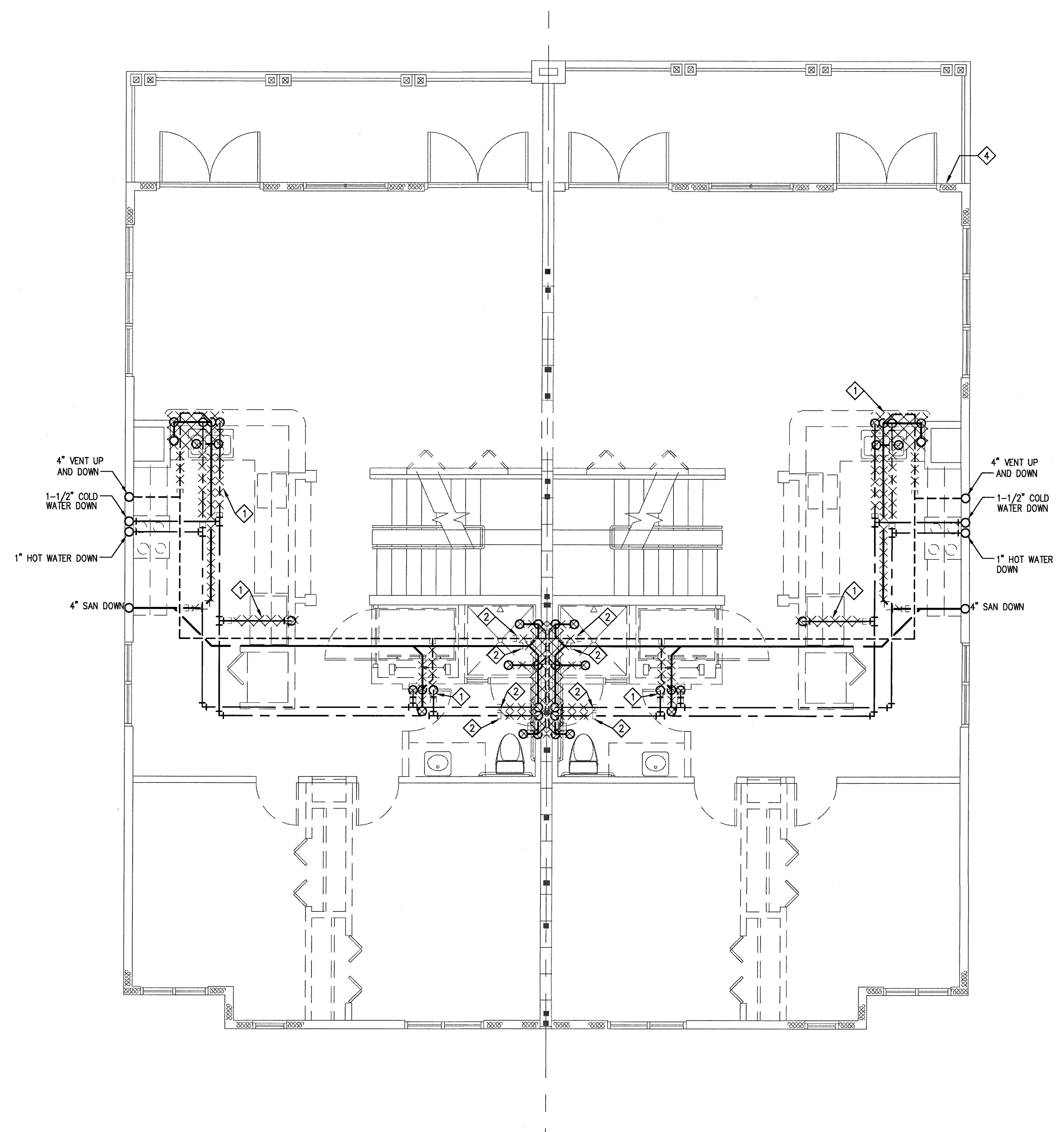
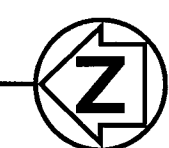
NOTES:

- 1 REMOVE SEWER, VENT AND WATER PIPING ROUGH-INS AND CAP PIPING.
- 2 CAP SEWER AND WATER PIPING TEMPORARILY.
- 3 REMOVE AUTOMATIC SPRINKLER SYSTEM UNDERGROUND PIPING AND RISER.
- 4 REMOVE AUTOMATIC SPRINKLER SYSTEM IN ITS ENTIRETY.



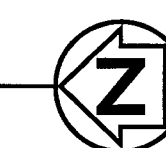
1ST FLOOR DEMOLITION PLAN

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



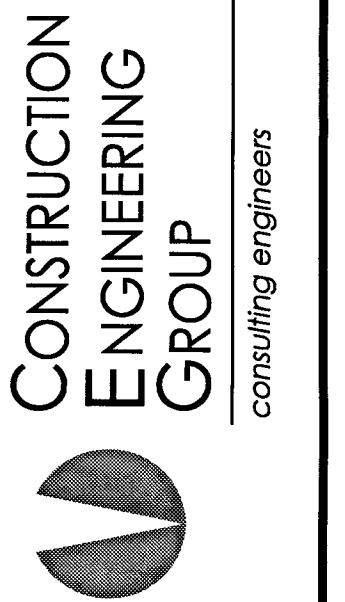
2ND FLOOR DEMOLITION PLAN

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



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**BELLAVISTA TOWNHOUSE RENOVATION
 FOR LUNG RX**
 SATELLITE BEACH, FLORIDA, 32937
**DRAWING TITLE
 1ST AND 2ND FLOOR PLUMBING
 AND FIRE PROTECTION DEMOLITION PLAN**

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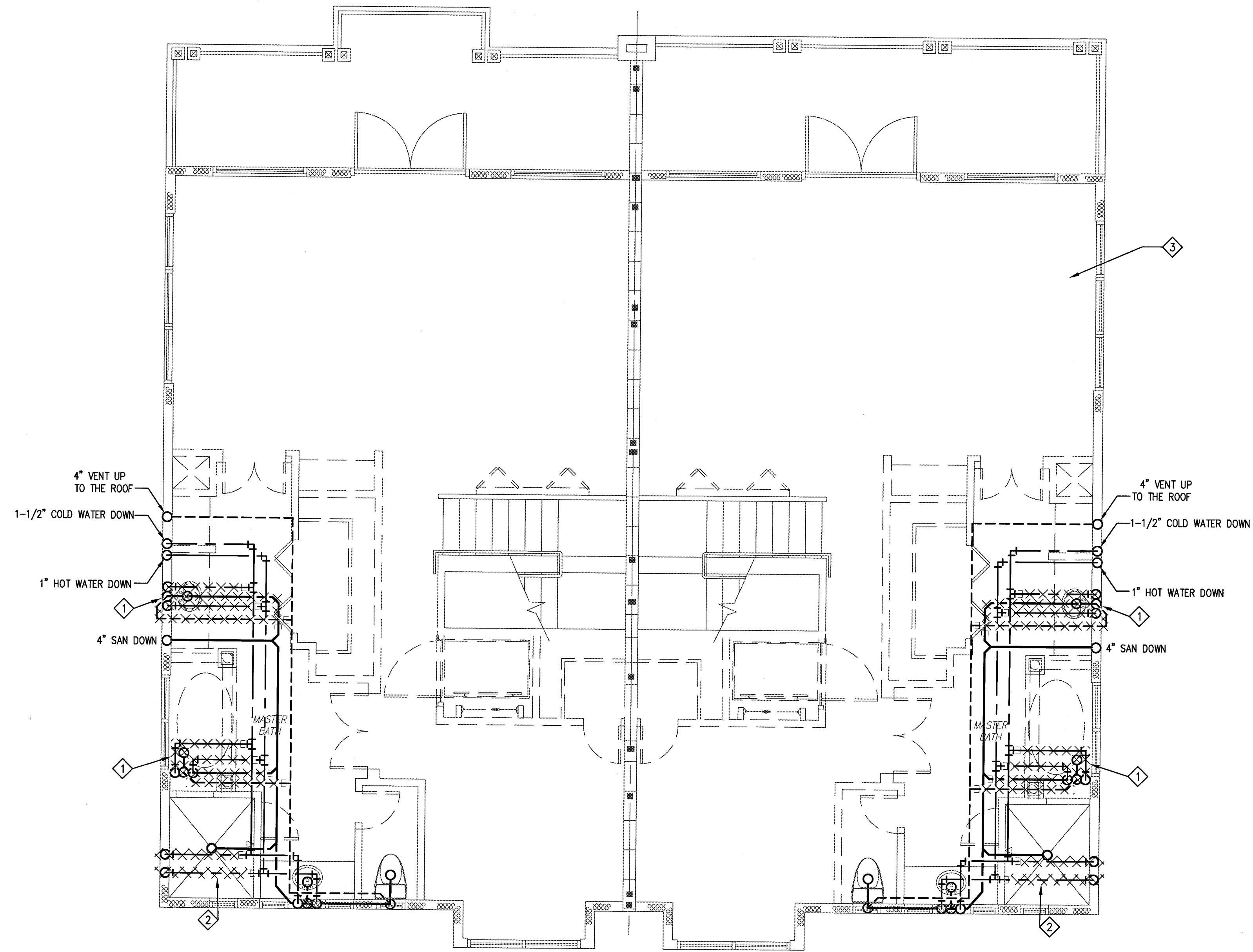
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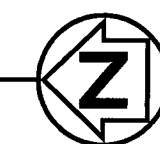
NOTES:

- 1 REMOVE SEWER, VENT AND WATER PIPING ROUGH-INS AND CAP PIPING.
- 2 REMOVE WATER PIPING ROUGH-INS AND CAP TEMPORARILY.
- 3 REMOVE SPRINKLER SYSTEM IN ITS ENTIRETY.



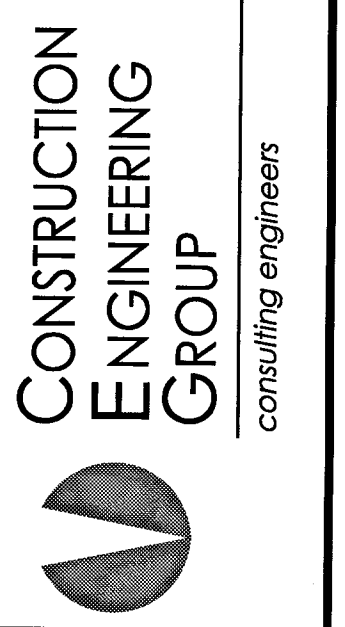
3RD FLOOR DEMOLITION PLAN

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



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**BELLAVISTA TOWNHOUSE RENOVATION
 FOR LUNG RX**
 SATELITE BEACH, FLORIDA, 32937
**DRAWING TITLE
 3RD FLOOR PLUMBING AND
 FIRE PROTECTION DEMOLITION PLAN**

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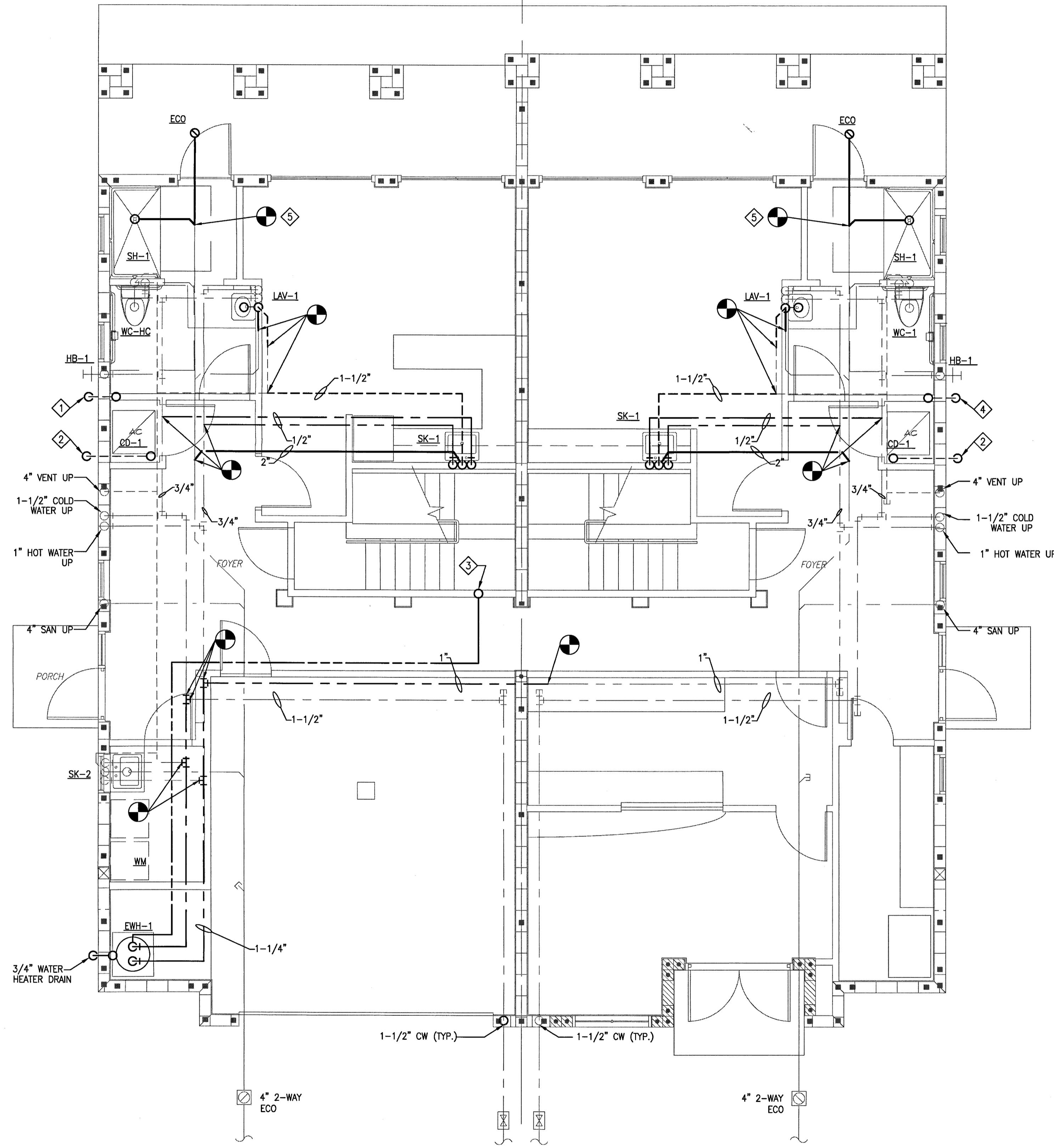
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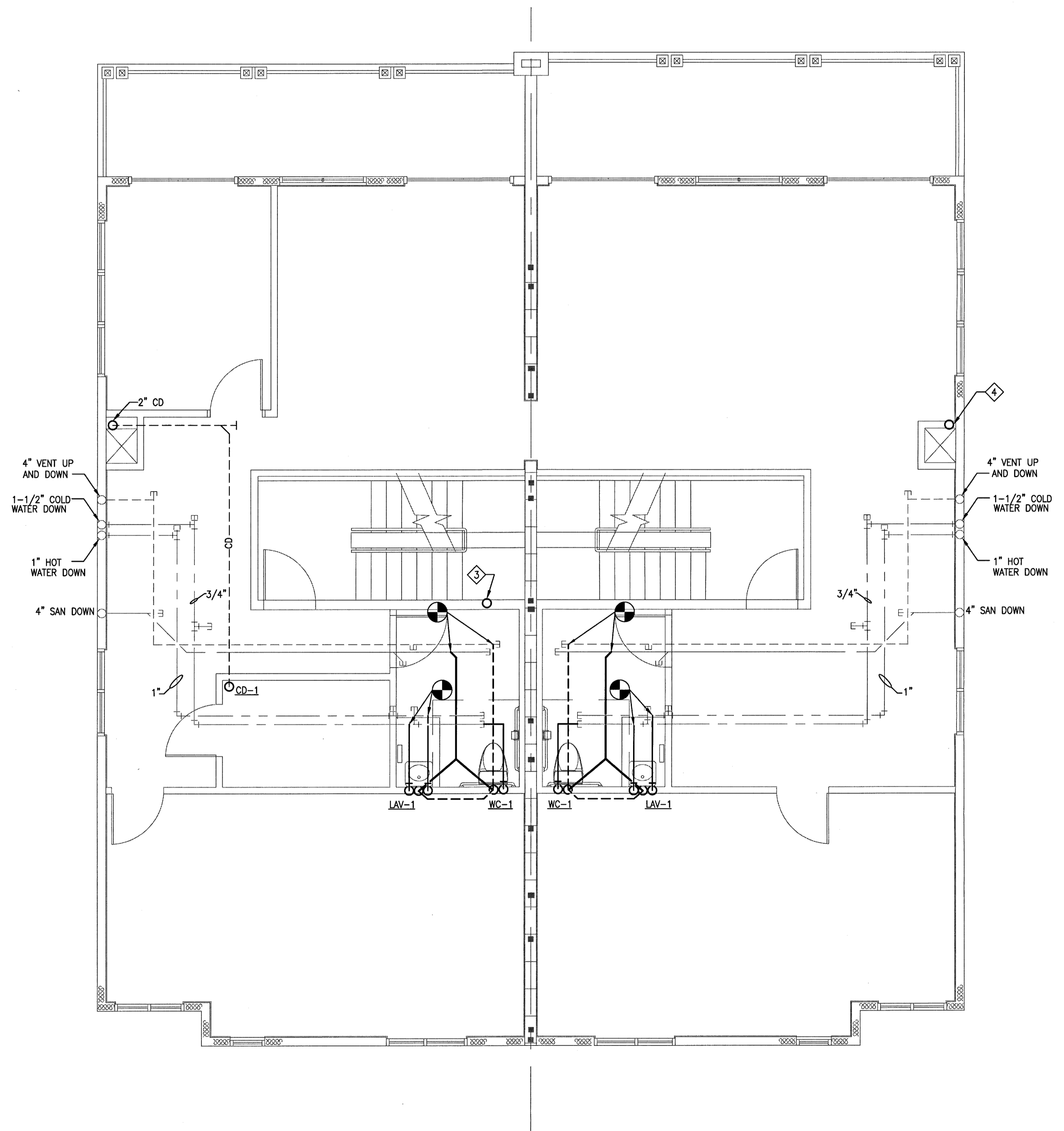
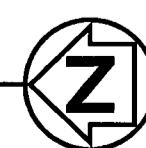
NOTES:

- ① ROUTE 2" CONDENSATE DRAIN DOWN FROM 2ND FLOOR. SPILL TO GRADE.
- ② ROUTE 2" CD THRU WALL. SPILL TO GRADE.
- ③ ROUTE 3/4" RECIRC. LINE FROM 3RD FLOOR.
- ④ ROUTE 2" CD FROM 3RD FLOOR. SPILL TO GRADE.
- ⑤ EXTEND 4" SS AND PROVIDE ECO.



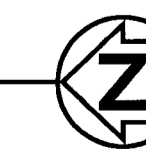
1ST FLOOR PLUMBING PLAN

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



2ND FLOOR PLUMBING PLAN

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



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BELLAVISTA TOWNHOUSE RENOVATION FOR LUNG RX
 SATELLITE BEACH, FLORIDA, 32937

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1ST AND 2ND FLOOR PLUMBING PLANS

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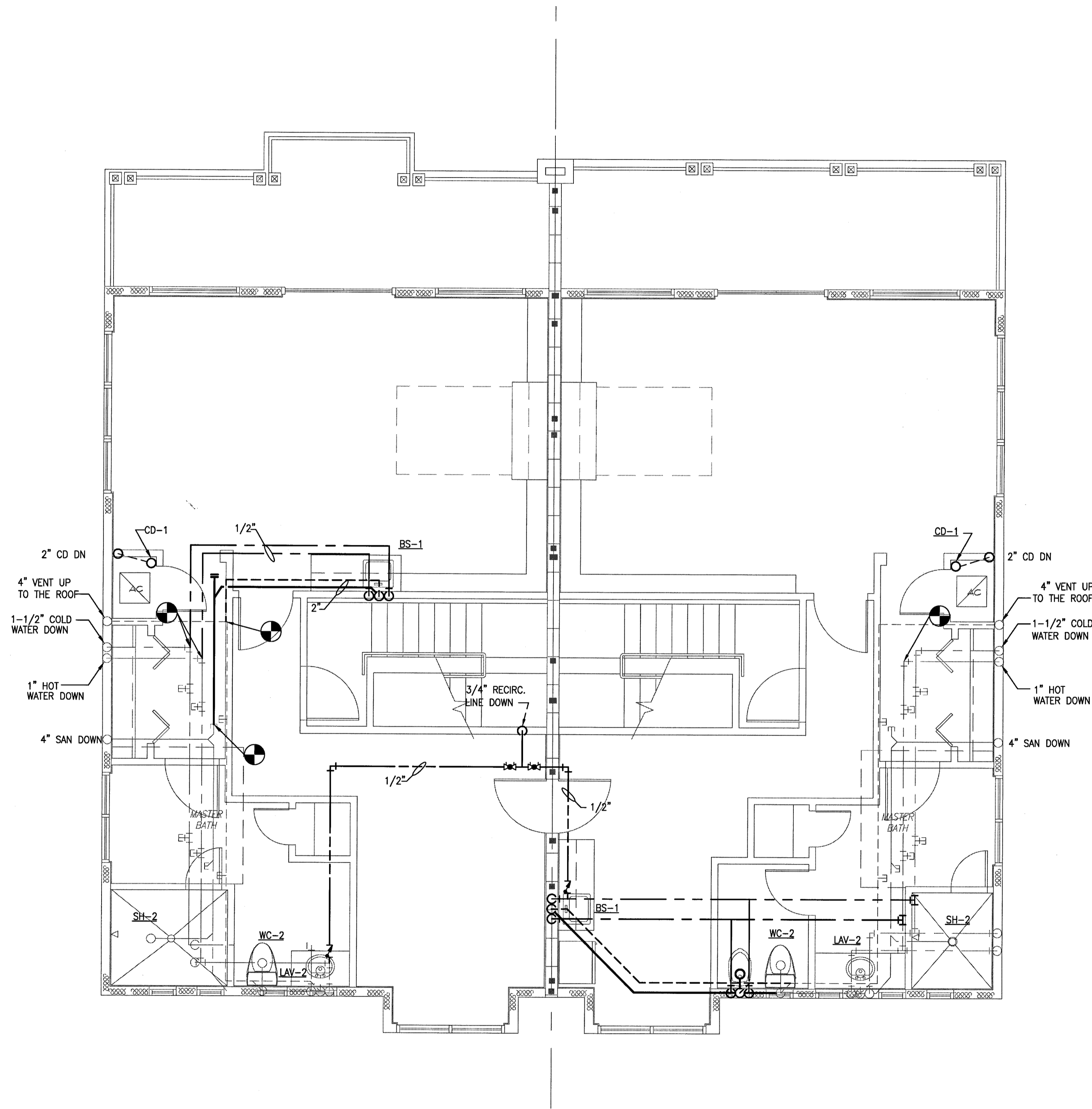
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3RD FLOOR PLUMBING PLAN

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



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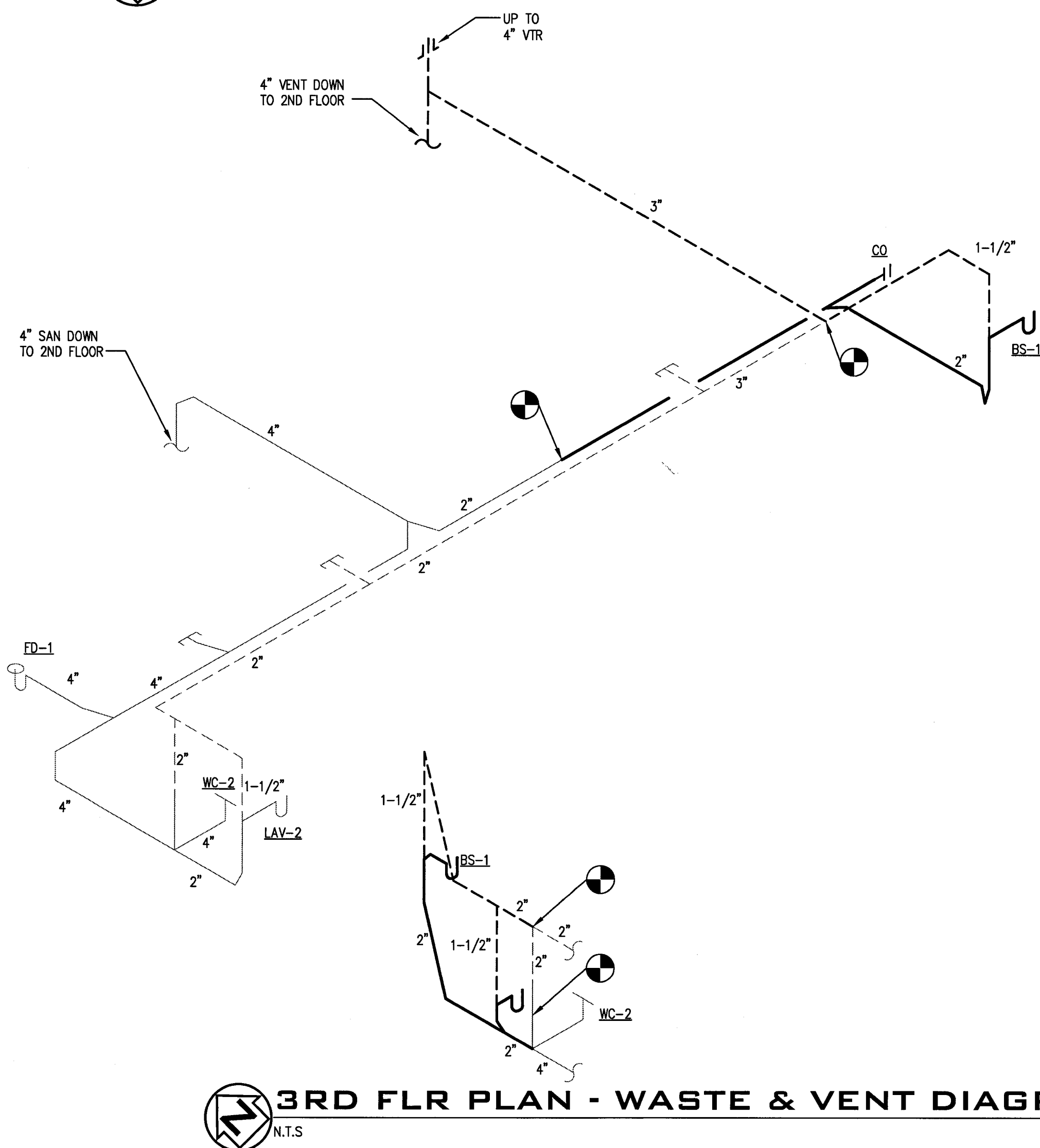
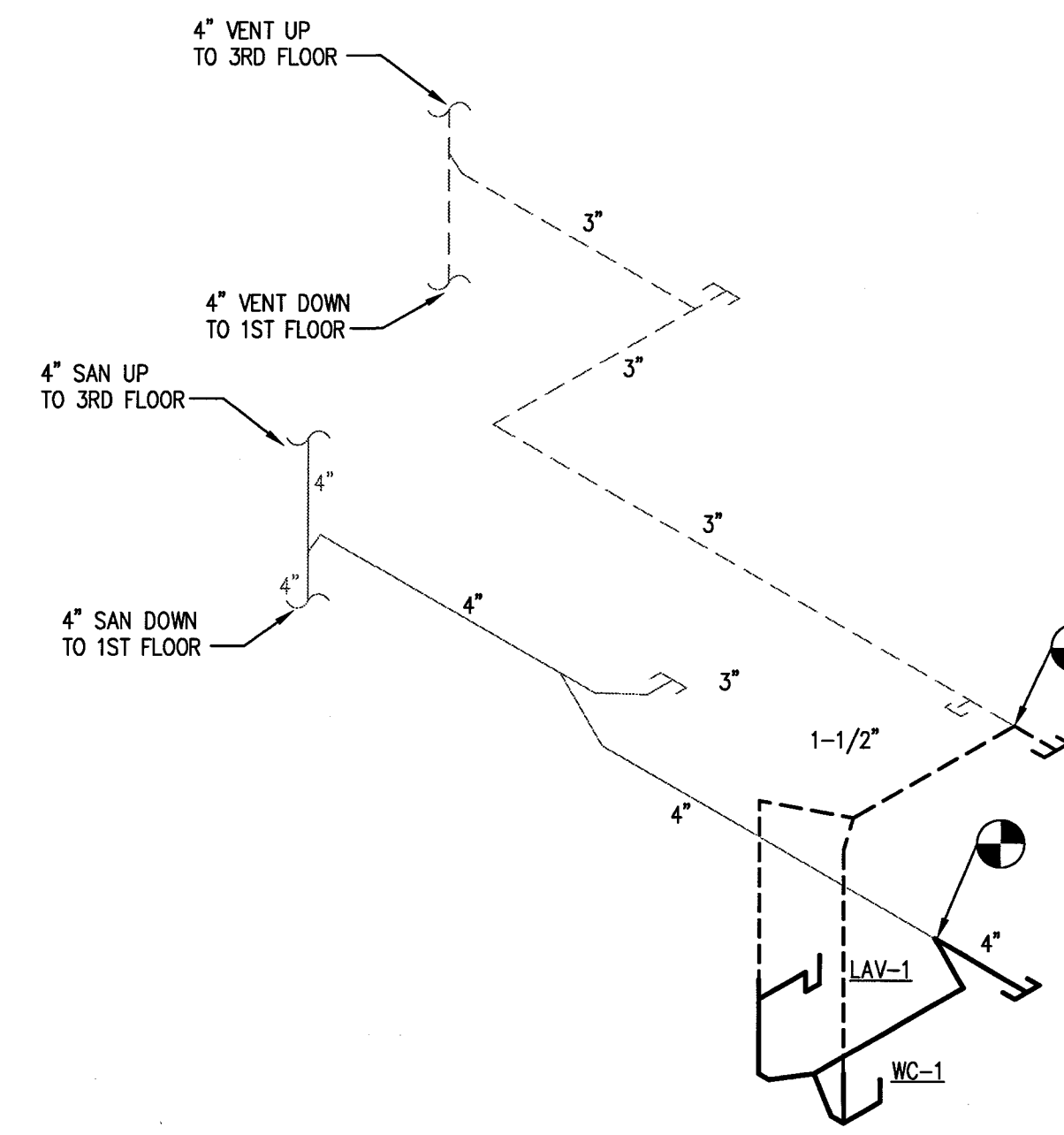
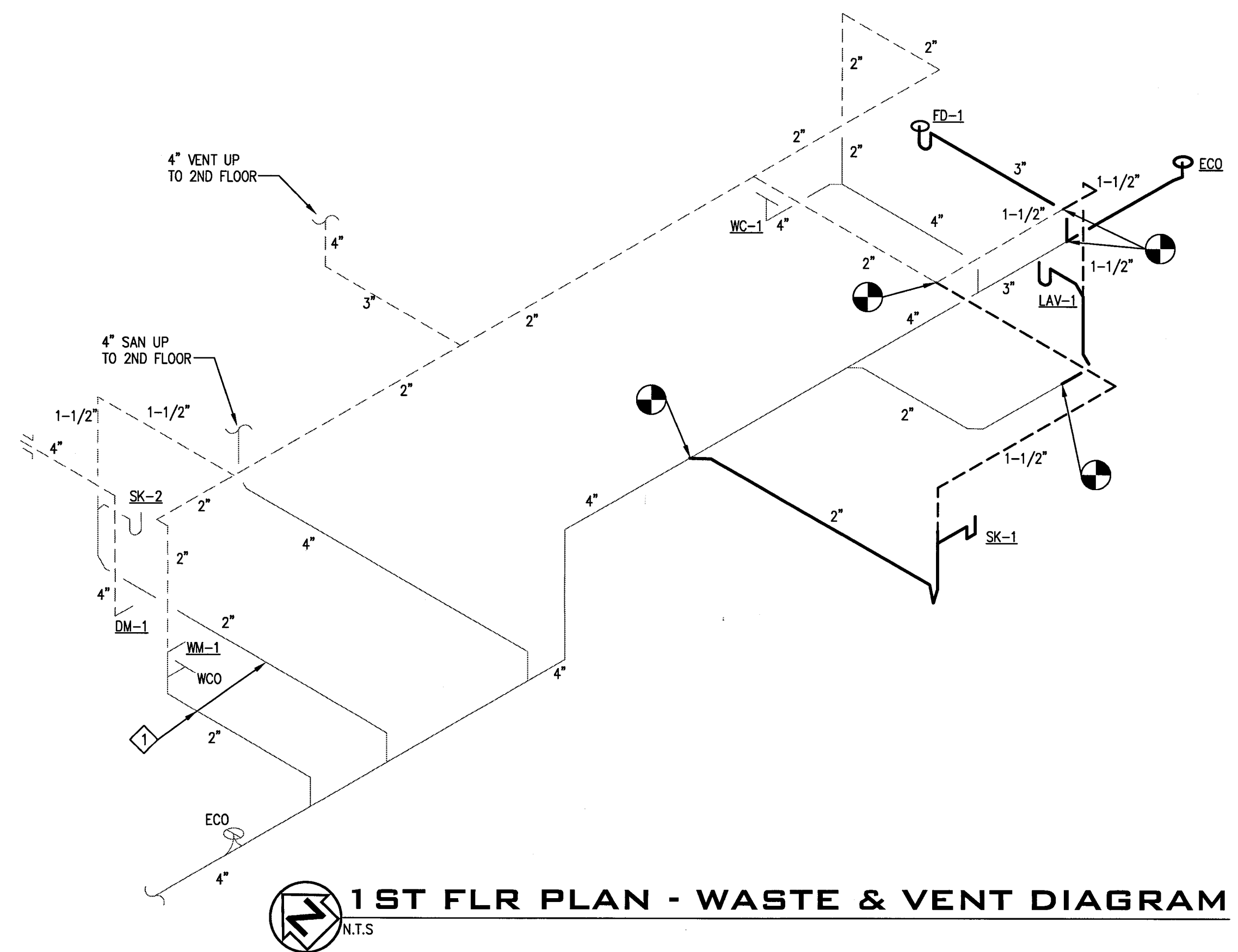
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**BELLAVISTA TOWNHOUSE RENOVATION
FOR LUNG RX**
SATELLITE BEACH, FLORIDA, 32937
DRAWING TITLE
3RD FLOOR PLUMBING PLAN

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FOR LUNG RX**
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LEGEND:

- 125V AC 20 AMP DUPLEX RECEPTACLE, NEMA 5-20R MOUNTED AT 18" AFF, U.O.N. HG = HOSPITAL GRADE.
- 125VAC 20 AMP DUPLEX RECEPTACLE NEMA 5-20R, WITH GROUND FAULT CIRCUIT INTERRUPTER, MOUNTED AT 18" A.F.F, U.O.N.
- 125VAC 20 AMP DUPLEX RECEPTACLE, NEMA 5-20R MOUNTED AT COUNTER HEIGHT.
- 125VAC 20 AMP DUPLEX RECEPTACLE NEMA 5-20R, WITH GROUND FAULT CIRCUIT INTERRUPTER, MOUNTED AT COUNTER HEIGHT.
- 125VAC 20 AMP DOUBLE DUPLEX RECEPTACLE NEMA 5-20R WITH GROUND FAULT CIRCUIT INTERRUPTER, MOUNTED AT 18" A.F.F, U.O.N.
- 125VAC 20 AMP DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R MOUNTED AT 18" AFF, U.O.N.
- SPECIAL RECEPTACLE, 240VAC 30 AMP TWIST-LOCK RECEPTACLE, NEMA L6-30R MOUNTED AT 18" AFF, U.O.N. PROVIDE MATCHING PLUG FOR EQUIPMENT. FIELD VERIFY NEMA CONFIGURATIONS WITH ACTUAL EQUIPMENT.
- 125V OR 277VAC SINGLE POLE 20 AMP SWITCH, MOUNT AT 48" AFF.
- 125V OR 277VAC 3-WAY OR 4-WAY 20 AMP SWITCH, MOUNT AT 48" AFF.
- 125VAC 1000W 20 AMP SLIDE DIMMER SWITCH, MOUNT AT 48" AFF.
- 125V SINGLE POLE 20 AMP KEYED SWITCH, MOUNT AT 48" AFF.
- COMMUNICATIONS OUTLET, RECESSED DOUBLE GANG JUNCTION BOX WITH SINGLE-GANG MUD-RING AND BLANK PLATE AT 18" AFF, UON. PROVIDE 3/4" C WITH PULLSTRING TO ABOVE ACCESSIBLE CEILING.

- HOMERUN TO PANELBOARD, NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. PROVIDE GREEN INSULATED GROUNDING CONDUCTOR IN ALL POWER AND LIGHTING RACEWAYS, NOT SHOWN ON PLANS.
- RACEWAY CONCEALED ABOVE CEILING, IN WALLS OR EXPOSED.
- RACEWAY CONCEALED BELOW FLOOR, ROOF, OR GRADE.
- EXIT SIGN, WALL MOUNTED ABOVE DOOR. SEE LIGHTING FIXTURE SCHEDULE FOR DETAILS.
- FLOUORESCENT LIGHTING FIXTURE. SEE LIGHTING FIXTURE SCHEDULE FOR DETAILS.
- RECESSED LIGHTING FIXTURE. SEE LIGHTING FIXTURE SCHEDULE FOR DETAILS.
- EMERGENCY BATTERY LIGHTING FIXTURE. SEE SCHEDULE FOR DETAILS.
- JUNCTION BOX. CODE SIZED FOR APPLICATION.
- TELEVISION OUTLET, RECESSED SINGLE GANG JUNCTION BOX AT 18" AFF, UON. PROVIDE 3/4" C. TO ABOVE CEILING, F-TYPE CONNECTOR WITH COVERPLATE AND (1)RG-6 TO TBT1).
- FUSED DISCONNECT SWITCH, NEMA 1 (INDOOR) OR NEMA 3R (OUTDOOR). SINGLE NUMBER INDICATES NUMBER OF POLES. TOP NUMBER INDICATES MAXIMUM AMPERAGE. BOTTOM INDICATES ACTUAL FUSING AS INDICATED OR AS DETERMINED FROM MANUFACTURER'S NAMEPLATE.
- 120/240V PANELBOARD AS SCHEDULED

FIRE ALARM NOTES:

- PROVIDE A COMPLETE AND OPERATIONAL FIRE ALARM SYSTEM WHICH IS PROVIDED, INSTALLED AND TESTED TO MEET OR EXCEED THE REQUIREMENTS LISTED UNDER THE NEC, NFPA, LIFE SAFETY CODE, ALL LOCAL CODES AND THE AMERICANS WITH DISABILITIES ACT.
- SUBMIT SHOP DRAWINGS FOR APPROVAL TO THE ARCHITECT/ENGINEER AND THE AHJ. SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY A STATE OF FLORIDA REGISTERED ELECTRICAL ENGINEER IF REQUIRED PRIOR TO SUBMISSION OF DRAWINGS. SHOP DRAWINGS TO INDICATE IN DETAIL ALL WIRING REQUIREMENTS INCLUDING CONDUCTOR TYPES, SIZES AND NUMBER, DEVICE LOCATIONS, DETAILED BATTERY CALCULATIONS, SIGNAL CIRCUIT LOAD, LINE LOSS/VOLTAGE DROP CALCULATIONS, SYMBOL LIST INDICATING PART NUMBERS, CANDELA RATINGS, ADDRESSABLE DEVICE NUMBERING, ETC. INCLUDE RISER DIAGRAM THAT IS FULLY COORDINATED WITH THE PLANS.
- ALL FIRE ALARM WORK SHALL BE PERFORMED BY A STATE LICENSED CERTIFIED FIRE ALARM CONTRACTOR.
- THE FA SYSTEM SHALL BE ZONED OR ADDRESSABLE AND SHALL BE PROVIDED AND INSTALLED BY ONE OF THE FOLLOWING MANUFACTURER'S AND IT'S AUTHORIZED DISTRIBUTORS: EST, OR SILENT KNIGHT, OR APPROVED EQUAL. PROVIDE PANEL WITH DIGITAL DIALER FOR MONITORING. PROVIDE RTI'S FOR ALL DUCT MOUNTED SMOKE DETECTORS. FACP SHALL PERFORM ALL REQUIRED INITIATION AND NOTIFICATION, SHUT DOWN AHUS AND MONITOR FLOW AND TAMPER SWITCHES AS REQUIRED.
- FIELD DETERMINE EXACT MOUNTING LOCATION OF DUCT MOUNTED SMOKE DETECTORS AND ALL FLOW AND TAMPER SWITCHES. COORDINATE LOCATION OF FACP WITH LOCAL AHJ. INSTALL PER NFPA AND MANUFACTURER'S WRITTEN INSTRUCTIONS.
- PROVIDE SURGE PROTECTION FOR POWER CIRCUIT AND ANY CIRCUITS ENTERING BUILDING.
- ALL NOTIFICATION APPLIANCES SHALL BE HAVE FIELD DELECTABLE CANDELA RATINGS AND HIGH-AND-LOW HORN-OUTPUTS.

RENOVATION NOTES:

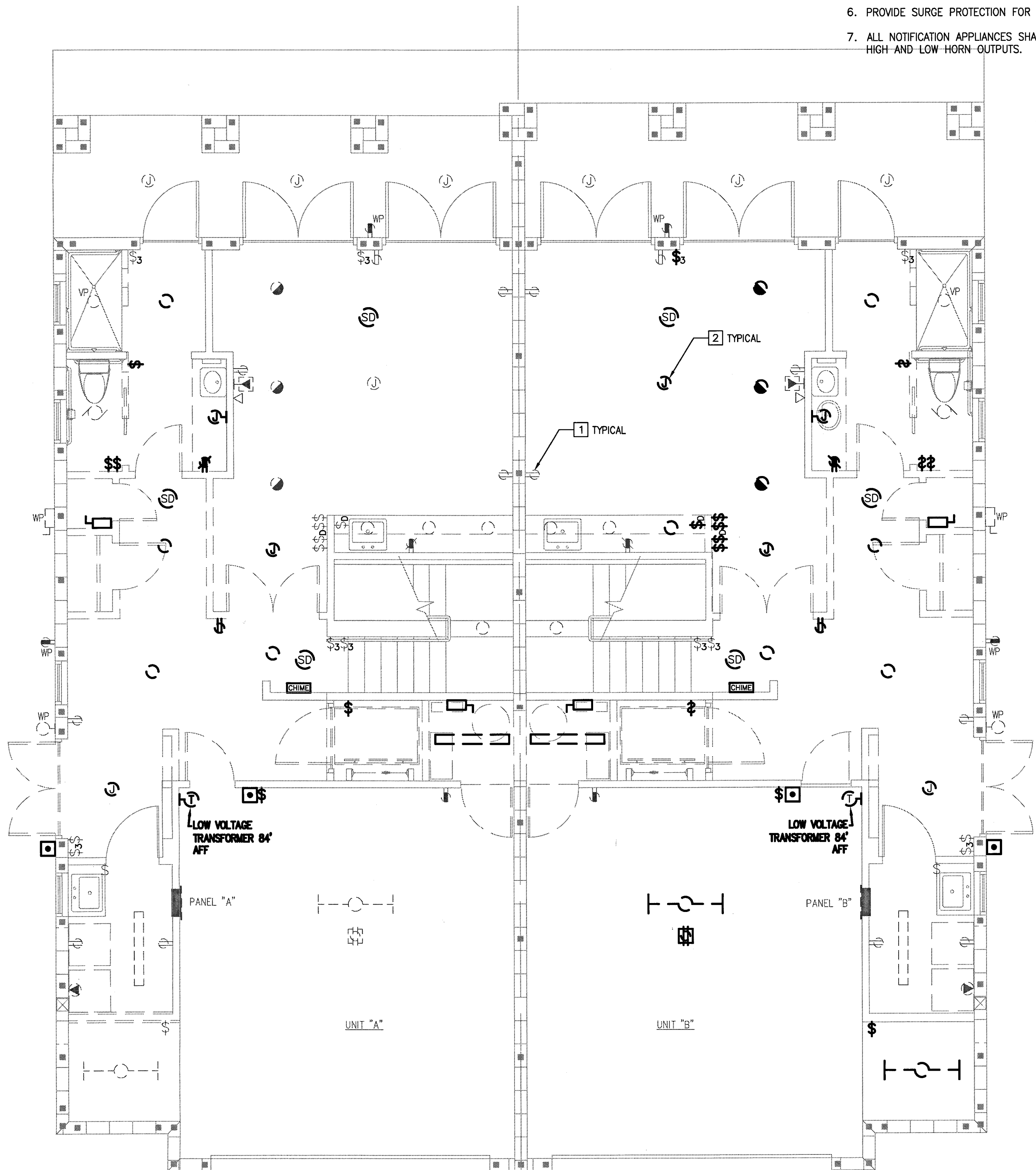
- THIS PROJECT IS A RENOVATION OF AN EXISTING FACILITY AND EXISTING INFORMATION IS TAKEN FROM EXISTING CONSTRUCTION DOCUMENTS, VARIOUS SURVEYS AND FIELD INVESTIGATIONS. IT SHOULD BE UNDERSTOOD BY THE BIDDING CONTRACTORS THAT UNFORESEEN CONDITIONS PROBABLY EXIST AND AS SUCH THE CONTRACTORS SHALL TAKE EXTRA STEPS DURING BIDDING TO FULLY DETERMINE AND UNDERSTAND THE FULL SCOPE OF THE WORK IN ORDER TO SUCCESSFULLY COMPLETE THIS PROJECT.
- COMPLETE A SITE INVESTIGATION AND WALK-THROUGH OF THE EXISTING CONDITIONS PRIOR TO BIDDING PROJECT. IT WILL BE ASSUMED THAT THE SELECTED CONTRACTOR HAS TAKEN ALL REASONABLE STEPS TO ACCOUNT FOR THE DIFFICULTIES ASSOCIATED WITH COMPLETING THE SCOPE OF WORK AND THEREFORE ANY REQUESTS FOR ADDITIONAL COMPENSATION ASSOCIATED WITH MODIFICATION OF THE EXISTING CONDITIONS AND THE INCORPORATION OF THE NEW WORK WILL NOT BE APPROVED.
- DISCUSS OWNERSHIP OF DEMOLISHED MATERIALS WITH OWNER PRIOR TO DISCARDING, OWNER HAS FIRST RIGHT OF REFUSAL. UPON ACKNOWLEDGMENT FROM OWNER, PROMPTLY REMOVE ALL DEMOLISHED MATERIALS NOT INDICATED TO BE REINSTALLED FROM THE PROJECT SITE AND ARRANGE FOR PROPER AND SAFE DISPOSAL.
- FIELD COORDINATE PROJECT PHASING SCHEDULE WITH GENERAL CONTRACTOR PRIOR TO BIDDING.
- MAINTAIN CONNECTIONS TO ALL EXISTING ELECTRICAL ITEMS NOT AFFECTED BY THIS RENOVATION.
- PROVIDE TEMPORARY WIRING TO MAINTAIN EXISTING CIRCUITS DURING CONSTRUCTION AS REQUIRED.
- PROVIDE BLANK MATCHING COVERPLATE OVER UNUSED OUTLETS BOXES WHERE CONDUITS ARE RECESSED IN EXISTING CONSTRUCTION.
- PROTECT EXISTING TO REMAIN WORK FROM DAMAGE DURING DEMOLITION OF EXISTING FINISHES AND WALLS.
- COORDINATE ANY OUTAGES WITH EXISTING TENANTS AND ENGINEER.
- EXISTING ELECTRICAL "AS-BUILT" DRAWINGS ARE AVAILABLE FOR USE BY THE CONTRACTOR DURING BIDDING AND CONSTRUCTION. REVIEW AS-BUILTS PLANS DURING WALK THROUGH TO VERIFY THE ACCURACY OF THE PLANS.
- EXISTING RECESSED CAN LIGHTS FIXTURES IN SOME LOCATIONS ARE SHOWN TO REMAIN, CONTRACTOR SHALL DETERMINE THE EXACT QUANTITY AND SUPPLY MATCHING WHITE BAFFLE OR DROPPED OPAL SHOWER TRIMS WHERE APPLICABLE AND INCANDESCENT LAMPS.

PLAN NOTES:

- "BOLD" LINETYPE INDICATES EXISTING ELECTRICAL WORK TO BE REMOVED. REVIEW NEW PLANS FOR CONFIRMATION PRIOR TO REMOVAL.
- "LIGHT" LINETYPE INDICATES EXISTING ELECTRICAL WORK TO REMAIN, REVIEW NEW PLANS FOR RECIRCUITING INFORMATION.

BASIC ELECTRICAL MATERIALS AND METHODS

- ALL WIRE SHALL BE COPPER TYPE "THHN" FOR SIZES #12 THROUGH #8 AND TYPE "THW" FOR #6 AND LARGER UNLESS OTHERWISE NOTED.
- MINIMUM WIRE SIZE SHALL BE #12 AWG. USE SOLID WIRE FOR SIZES #10 AND #12 AND STRANDED WIRE FOR SIZES LARGER THAN #10.
- ALL WIRE SHALL BE INSTALLED IN CONDUIT AND SHALL BE RUN PARALLEL AND PERPENDICULAR TO BUILDING WALLS AND FLOORS. MINIMUM U.G. CONDUIT HOMERUN SHALL BE 1". 1/2" CONDUIT MAY BE USED BETWEEN DEVICES.
- ALL CONDUITS INSTALLED IN DRY INTERIOR LOCATIONS SHALL BE ELECTRICAL METALLIC TUBING, UNLESS OTHERWISE NOTED.
- ALL CONDUITS INSTALLED IN EXTERIOR LOCATIONS SHALL BE RIGID GALVANIZED STEEL. ALL CONDUITS INSTALLED UNDERGROUND SHALL BE RIGID SCH. 40 PVC. BURIED PER NEC.
- ALL EXTERIOR EQUIPMENT SHALL BE CONNECTED WITH LIQUID TIGHT FLEXIBLE METAL CONDUIT AND WEATHERPROOF FITTINGS.
- INSTALL ALL RACEWAYS, BOXES, ENCLOSURES, AND CABINETS AS INDICATED AND INSTALLED PER MANUFACTURERS WRITTEN INSTRUCTIONS.
- INSTALL COMPONENTS AND EQUIPMENT TO PROVIDE MAXIMUM POSSIBLE HEADROOM WHERE MOUNTING HEIGHTS OR OTHER LOCATION CRITERIA ARE NOT INDICATED.
- MAINTAIN ALL WORKING CLEARANCES AROUND EQUIPMENT AS REQUIRED BY SECTION 110-16 OF THE N.E.C.
- ALL BRANCH AND FEEDER CIRCUITS SHALL CONTAIN A GROUNDING CONDUCTOR, UNLESS OTHERWISE NOTED, AND BE SIZED AND BONDED IN ACCORDANCE WITH ARTICLE 250 OF THE NATIONAL ELECTRIC CODE.
- ALL CONDUITS SHALL BE CONCEALED WHERE POSSIBLE.
- #10 CONDUCTOR SIZES LISTED IN PANEL SCHEDULES FOR 20A LIGHTING AND RECEPTACLES CIRCUITS OTHER ARE FOR HOMERUN TO PANEL ONLY. #12 WIRE MAY BE USED BETWEEN DEVICES AND FIXTURES.
- MC CABLE MAY BE USED ONLY WHERE CONCEALED INSIDE WALLS BETWEEN NON-PATIENT RECEPTACLES AND ONLY ABOVE CEILINGS AS PERMITTED BY THE NEC. HVAC EQUIPMENT SHALL NOT BE FED WITH MC CABLE. ALL HOMERUNS SHALL BE IN CONDUIT WITH NOT MORE THAN SIX CURRENT CARRYING CONDUCTORS PER RACEWAY. USE OF MC CABLE IN ANY OTHER APPLICATION WILL NOT BE ACCEPTABLE ON THIS PROJECT. HOSPITAL GRADE MC CABLE MAY BE USED WHERE LISTED PER THE NEC.
- ALL DISCONNECT SWITCHES SHALL BE RATED HEAVY DUTY.
- OUTLET AND SWITCH BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS AND CAST ALLOY WITH THREADED HUBS IN WET OR DAMP LOCATIONS AND OR OF SPECIAL CONSTRUCTION TO SUIT SPECIFIC SITUATIONS. ALL BOXES SHALL BE RECESSED FLUSH IN WALLS AND/OR CONCEALED ABOVE CEILINGS. PROVIDE ACCESS PANELS FOR BOXES LOCATED IN NON-READILY ACCESSIBLE AREAS.
- FIRE SEAL ALL CONDUIT PENETRATIONS IN FIRE RATED WALLS AND FLOORS BACK TO INITIAL RATING. FLASH ALL CONDUIT ROOF PENETRATIONS AS REQUIRED TO PROVIDE WEATHERPROOF SEALS. COORDINATE WITH OTHER TRADES AND ROOFING CONTRACTOR.
- ALL WIRING DEVICES IN SHALL BE COMMERCIAL GRADE AND MANUFACTURED BY LEVITON, P&S OR HUBBELL. ALL DEVICES INSTALLED IN FINISHED AREAS SHALL BE GRAY IN COLOR WITH STAINLESS STEEL FACEPLATES. FIELD VERIFY DEVICE AND PLATE COLOR WITH OWNER. ALL RECEPTACLES SERVING 120V MEDICAL EQUIPMENT SHALL BE HOSPITAL GRADE.
- ALL PANELBOARDS, DISCONNECT SWITCHES AND SYSTEM PANELS SHALL HAVE PLASTIC LAMINATE NAMEPLATES FOR IDENTIFYING SYSTEM FUNCTION AND CHARACTERISTICS.



ABBREVIATIONS:

- A AMPERES
- AFF ABOVE FINISHED FLOOR
- AHU AIR HANDLING UNIT
- AWG AMERICAN WIRE GAUGE
- CFL COMPACT FLUORESCENT
- CH COUNTER HEIGHT
- CU COPPER
- DISC DISCONNECT
- ECB ENCLOSED CIRCUIT BREAKER
- EF EXHAUST FAN
- EXT EXTERIOR
- G GROUND
- GFI GROUND FAULT INTERRUPTER
- HPS HIGH PRESSURE SODIUM
- INC INCANDESCENT
- KAIC THOUSANDS OF AMPERES OF INTERRUPTING CAPACITY
- KCML THOUSANDS OF CIRCULAR MILS
- KVA KILOWOLT-AMPERES
- KW KILOWATT
- LED LIGHT EMITTING DIODE
- MCB MAIN CIRCUIT BREAKER
- MLO MAIN LUGS ONLY
- MH METAL HALIDE
- N NEUTRAL
- NIC NOT IN CONTRACT
- R RELAY
- RTI REMOTE TEST INDICATOR
- ST SHUNT TRIP
- SW SWITCH
- TT TWIN TUBE
- TBT TELEPHONE TERMINAL BOARD
- TYP TYPICAL
- UG UNDERGROUND
- UON UNLESS OTHERWISE NOTED
- V VOLTS
- W WIRE
- WP WEATHERPROOF

ELECTRICAL NOTES:

- GENERAL REQUIREMENTS
- PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, AND TOOLS TO PERFORM ALL WORK NECESSARY FOR THE COMPLETE EXECUTION OF THE ELECTRICAL WORK AS SHOWN ON THE DRAWINGS.
 - PROVIDE WORK NOT SPECIFICALLY SHOWN OR SPECIFIED, YET REQUIRED TO INSURE PROPER AND COMPLETE OPERATIONS OF ALL SYSTEMS AND TO SATISFY THE DESIGN INTENT IN THE WORK AND TO COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS.
 - LABOR FOR THE INSTALLATION OF MATERIALS AND EQUIPMENT FURNISHED UNDER THE ELECTRICAL CONTRACTORS' SCOPE OF WORK SHALL BE PERFORMED BY EXPERIENCED MECHANICS OF THE PROPER TRADE AND ALL WORKMANSHIP SHALL BE FIRST CLASS AND SHALL BE IN COMPLIANCE WITH THE SPECIFIC REQUIREMENTS OF THE CONTRACT DRAWINGS.
 - ALL DISCREPANCIES ON DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IN WRITING PRIOR TO SUBMISSION OF BIDS. SUBMISSION OF A BID CONSTITUTES ACCEPTANCE OF FIELD CONDITIONS.
 - ALL DIVISION 1 SPECIFICATIONS AND ARCHITECTURAL GENERAL AND SPECIAL CONDITIONS OUTLINED IN THE CONTRACT DOCUMENTS SHALL APPLY TO ELECTRICAL SYSTEMS.
 - ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE FOLLOWING CODES AND STANDARDS: NATIONAL FIRE PROTECTION ASSOCIATION, NFPA NATIONAL ELECTRICAL CODE, NEC NATIONAL ELECTRICAL MANUFACTURES ASSOCIATION, NEMA NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION, NECA AMERICAN NATIONAL STANDARDS INSTITUTE, ANSI UNDERWRITERS LABORATORIES, UL ALL LOCAL CODES, ORDINANCES, REGULATIONS, FPL STANDARDS, AND THE AUTHORITY HAVING JURISDICTION.
 - ALL MATERIALS PROVIDED BY THE CONTRACTOR SHALL BE NEW AND FREE OF DEFECTS AND SHALL BE UL LISTED FOR THE INTENDED APPLICATION.
 - THE ELECTRICAL DRAWINGS ARE NOT TO BE SCALED. WHERE SPECIFIC DETAILS AND DIMENSIONS FOR ELECTRICAL WORK ARE NOT SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL TAKE MEASUREMENTS AND MAKE LAYOUTS AS REQUIRED FOR THE PROPER INSTALLATION AND COMPLETION OF THE WORK.
 - CONTRACTOR SHALL OBTAIN AND FURNISH ALL PERMITS, AND ARRANGE FOR ALL REQUIRED INSPECTIONS.
 - CONTRACTOR SHALL INSPECT SITE FOR FIELD VERIFICATION OF ALL ASPECTS OF THE PROJECT PRIOR TO BIDDING.

REVISION									
DATE									
REV#									
<p>740 north olive, suite e melbourne, fl 32954 tel. 321.253.1221 fax. 321.253.1213 www.cogswellgroup.com license #00097</p> <p>CONSTRUCTION ENGINEERING GROUP consulting engineers</p>									
<p>BELLAVISTA TOWNHOUSE RENOVATION FOR LUNG RX SATELLITE BEACH, FLORIDA, 32937 DRAWING TITLE LEGEND, NOTES AND FIRST FLOOR DEMO PLAN</p>									
<p>ENGINEER OF RECORD DAVID E. ALLEY, P.E. FL LICENSE NO. 55008</p>									
<p>DATE 03-31-06</p>									
<p>SCALE AS NOTED</p>									
<p>PROJ. NO.: 050413</p>									
<p>DESIGNED BY: DEA</p>									
<p>DRAWN BY: DEA</p>									
<p>CHECKED BY: DEA</p>									
<p>DRAWING NO. E1</p>									

1 ST FLOOR DEMO PLAN

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

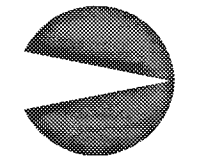
PLAN NOTES: [X]

1. "BOLD" LINETYPE INDICATES EXISTING ELECTRICAL WORK TO BE REMOVED. REVIEW NEW PLANS FOR CONFIRMATION PRIOR TO REMOVAL.
2. "LIGHT" LINETYPE INDICATES EXISTING ELECTRICAL WORK TO REMAIN, REVIEW NEW PLANS FOR RECIRCUITING INFORMATION.

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**CONSTRUCTION
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consulting engineers



**BELLAVISTA TOWNHOUSE RENOVATION
FOR LUNG RX**
SATELLITE BEACH, FLORIDA, 32937
DRAWING TITLE
SECOND AND THIRD FLOOR DEMO PLAN

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ENGINEER OF RECORD

DAVID E. ALLEY, P.E.
FL LICENSE NO. 55008

DATE
03-31-06

SCALE
AS NOTED

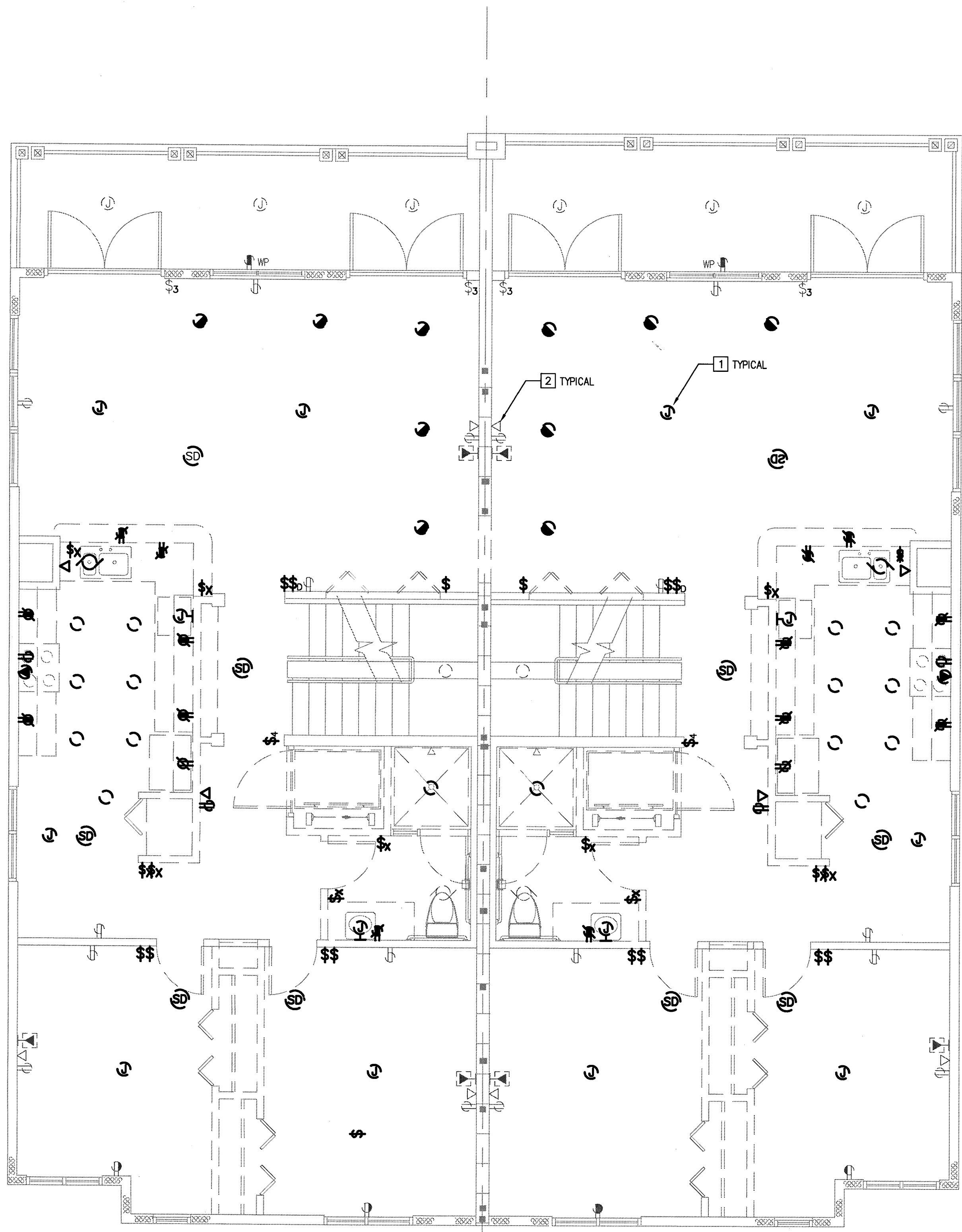
PROJ. NO. :
050413

DESIGNED BY:
DEA

DRAWN BY:
DEA

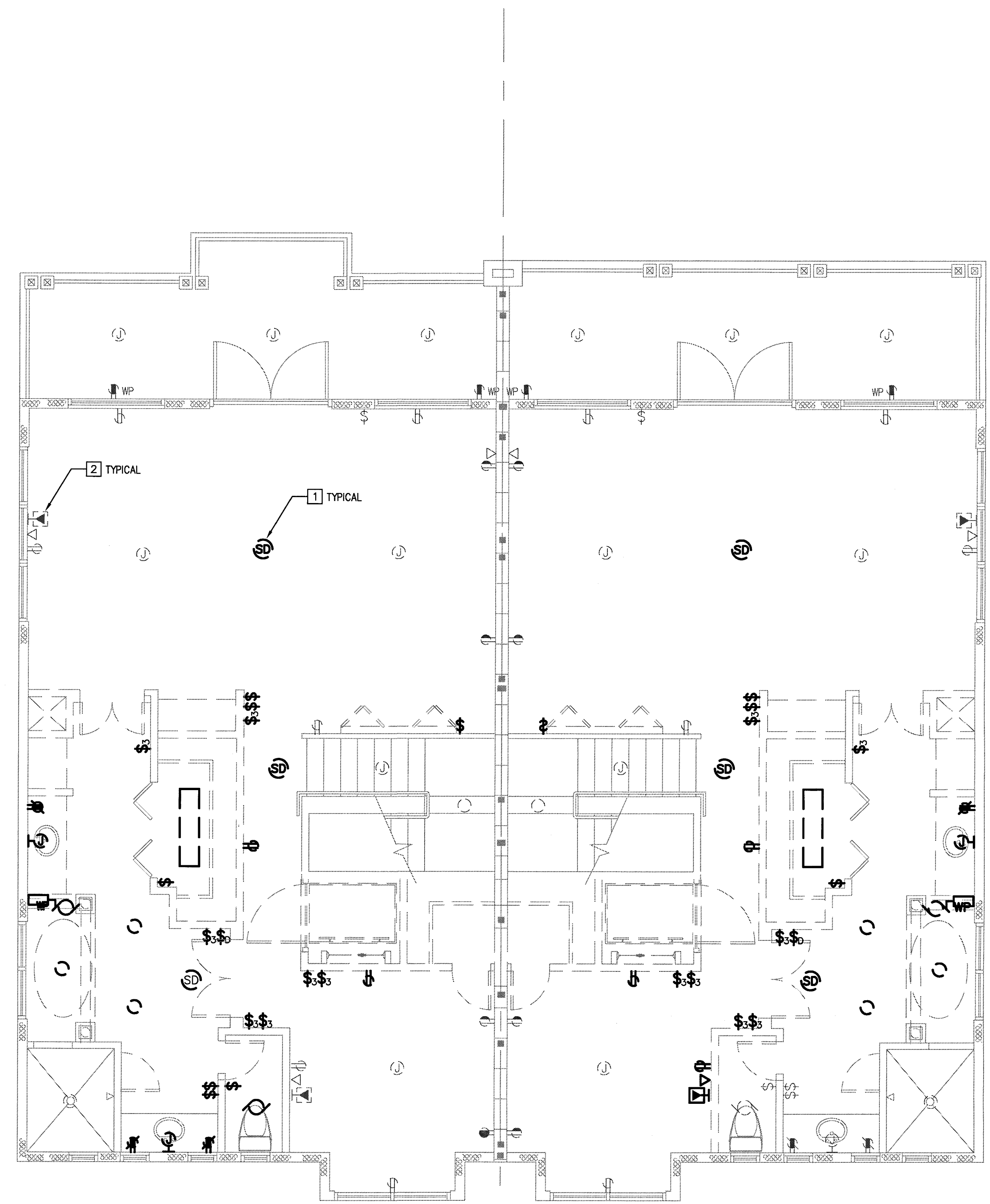
CHECKED BY:
DEA

DRAWING NO.
E2



SECOND FLOOR DEMO PLAN

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

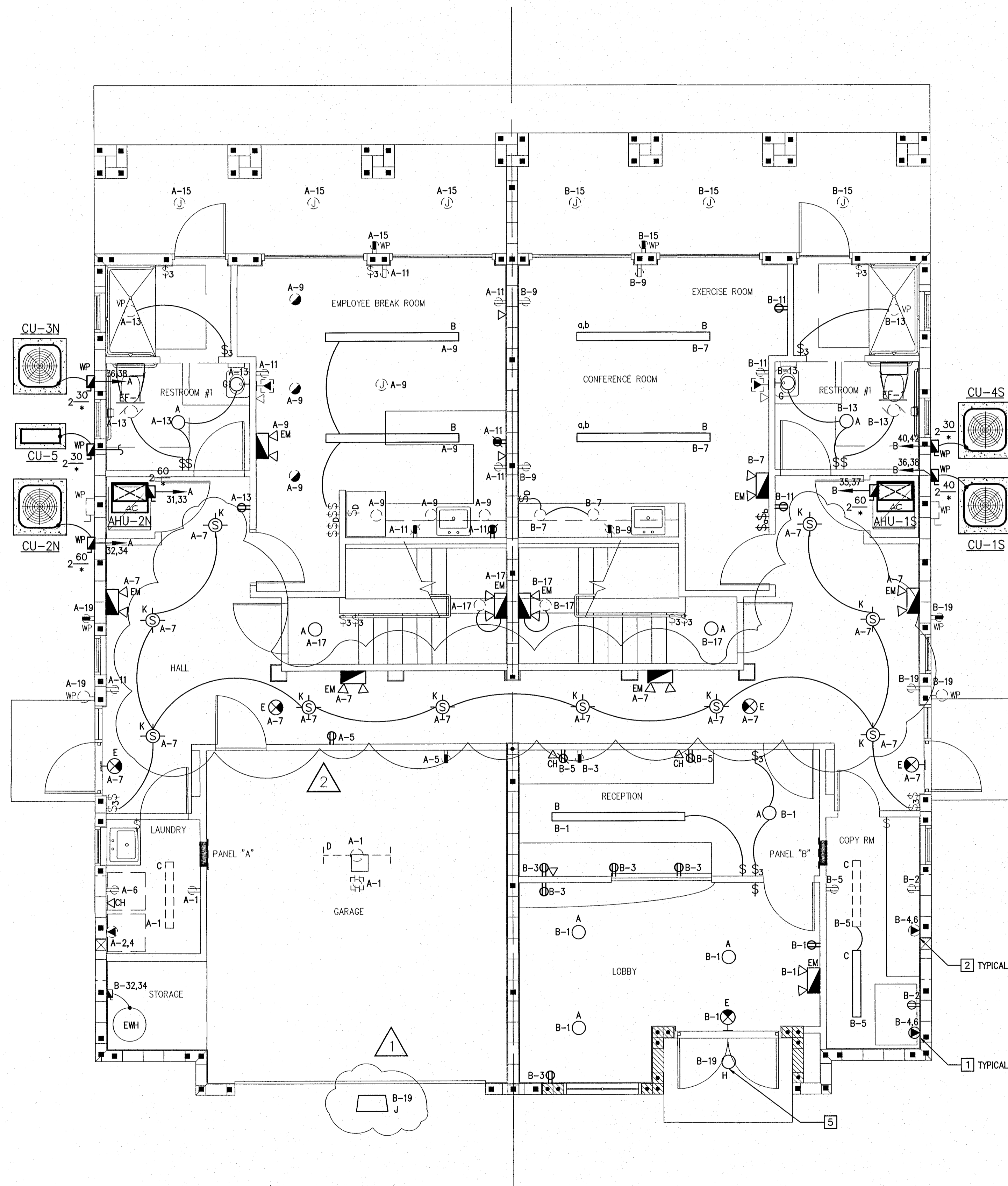


THIRD FLOOR DEMO PLAN

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

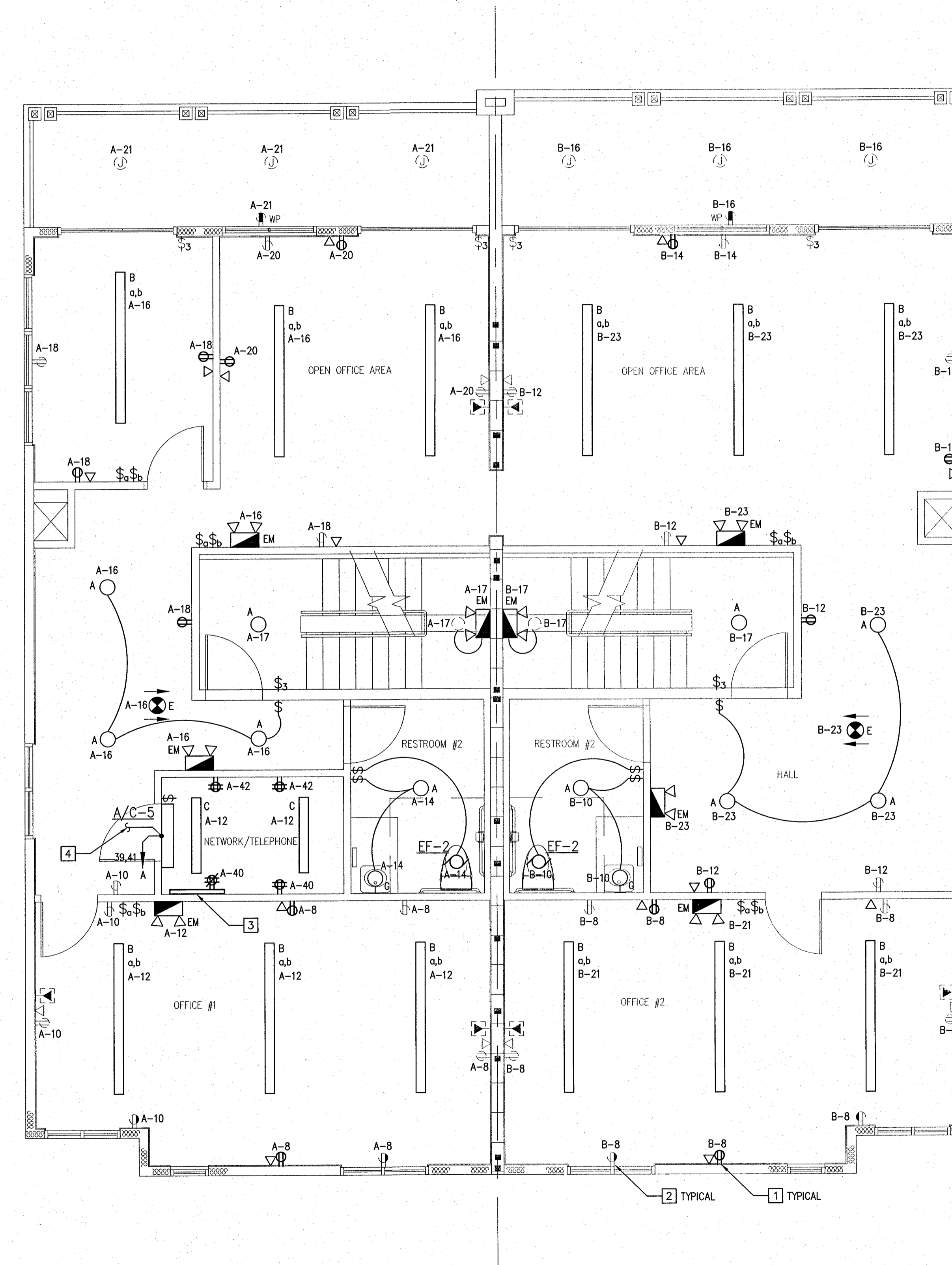
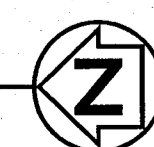
PLAN NOTES: [X]

1. "BOLD" LINETYPE INDICATES NEW ELECTRICAL WORK TO BE INSTALLED.
2. "LIGHT" LINETYPE INDICATES EXISTING ELECTRICAL WORK PARTIALLY INSTALLED AND SHOWN TO REMAIN, HOWEVER CONTRACTOR SHALL REVIEW THE EXISTING WORK TO DETERMINE WHAT LEVEL OF EFFORT IS REQUIRED TO FINISH THE INSTALLATION.
3. PROVIDE 4' X 8' X 3/4" PAINTED PLYWOOD TELEPHONE TERMINAL BOARD. EXTEND (2) 1" CONDUITS OUT TO TELEPHONE AND CATV SERVICE POINTS ON THE NORTH SIDE OF THE BUILDING.
4. EXTEND BRANCH CIRCUIT FROM INSIDE WALL HUNG UNIT TO OUTSIDE UNIT. VERIFY WIRING DETAILS WITH UNIT PROVIDED.
5. PROVIDE 120V PHOTOCELL FROM CONTROL OF FRONT LIGHT.



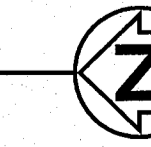
1ST FLOOR ELECTRICAL PLAN

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



SECOND FLOOR ELECTRICAL PLAN

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



REV#	DATE	REVISION	BUILDING DEPT.	COMMENTS
1	5/17/06			
2	8/31/06			LIGHTING REVISION

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CONSTRUCTION ENGINEERING GROUP
 consulting engineers

BELLAVISTA TOWNHOUSE RENOVATION FOR LUNG RX
 SATTELITE BEACH, FLORIDA, 32937
 DRAWING TITLE
FIRST AND SECOND FLOOR ELECTRICAL PLAN

DAVID E. ALLEY, P.E.
 FL LICENSE NO. 55008

DATE
 03-31-06

SCALE
 AS NOTED

PROJ. NO.:
 050413

DESIGNED BY:
 DEA

DRAWN BY:
 DEA

CHECKED BY:
 DEA

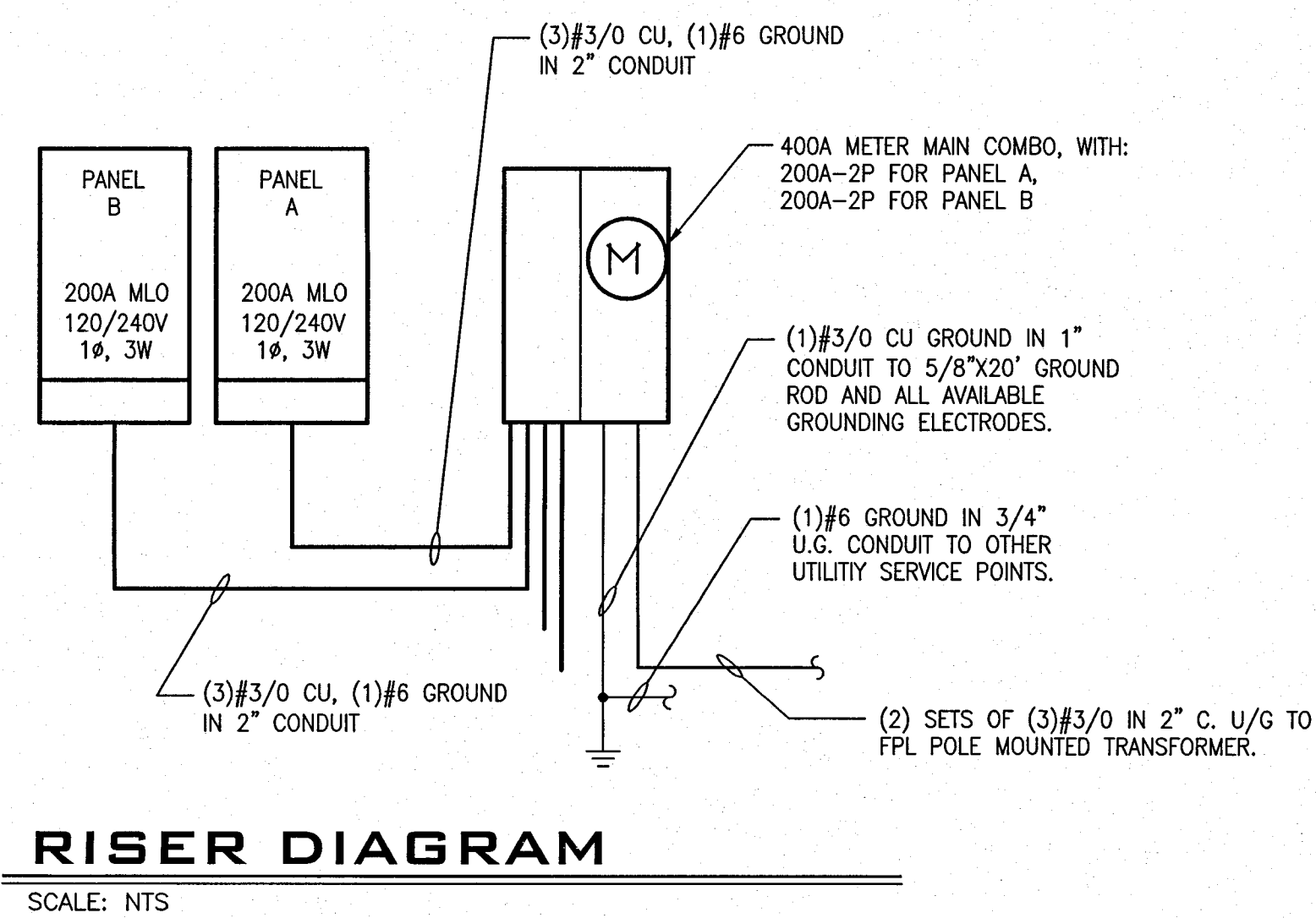
DRAWING NO.
E3

PANEL SCHEDULE																					
PANEL: A		RATING: 200A M.C.B.				LUG LOCATION: BOTTOM				A.I.C. : 22K											
		SERVICE: 120/240V, 1Ø, 3W				MOUNTING: RECESSED				TYPE:											
CKT	DESCRIPTION	KVA	CIRCUIT BREAKER POLE TRIP	BRANCH	CIRCUIT	Ø	N	GND	C"	Ø	CKT	DESCRIPTION	KVA	CIRCUIT BREAKER POLE TRIP	BRANCH	CIRCUIT	Ø	N	GND	C"	
1	GARAGE	0.90	1 20	12	12	12	1/2			a	2	DRYER	2.25	2 30	10	10	10	3/4			
3	ZOOM BED	0.72	1 20	12	12	12	1/2			b	4										
5	GARAGE	0.72	1 20	12	12	12	1/2			a	6	WASHER	1.00	1 20	12	12	12	1/2			
7	HALL	0.90	1 20	12	12	12	1/2			b	8	OFFICE #1	0.90	1 20	12	12	12	1/2			
9	BREAK ROOM	0.90	1 20	12	12	12	1/2			a	10	OFFICE #1	0.72	1 20	12	12	12	1/2			
11	BREAK ROOM	0.36	1 20	12	12	12	1/2			b	12	LTG-OFFICE #1	0.72	1 20	12	12	12	1/2			
13	RESTROOM #1	0.50	1 20	12	12	12	1/2			a	14	RESTROOM #2	0.50	1 20	12	12	12	1/2			
15	REAR EXT N	0.50	1 20	12	12	12	1/2			b	16	LTG-OPEN 2ND FLR	0.90	1 20	12	12	12	1/2			
17	STAIRS	0.25	1 20	12	12	12	1/2			a	18	OPEN OFFICE 2ND FLR	0.36	1 20	12	12	12	1/2			
19	EXTERIOR	0.50	1 20	12	12	12	1/2			b	20	OPEN OFFICE 2ND FLR	0.85	1 20	12	12	12	1/2			
21	BALCONY 2ND FLR	0.72	1 20	12	12	12	1/2			a	22	LIVING/SLEEP 3RD FLR	0.80	1 20	12	12	12	1/2			
23	BALCONY 3RD FLR	0.72	1 20	12	12	12	1/2			b	24	LIVING/SLEEP 3RD FLR	0.80	1 20	12	12	12	1/2			
25	LIVING/SLEEP 3RD FLR	0.72	1 20	12	12	12	1/2			a	26	SITTING 3RD FLR	0.80	1 20	12	12	12	1/2			
27	SITTING ROOM	0.72	1 20	12	12	12	1/2			b	28	SPARE		1 20							
29	BATHROOM #1 3RD FLR	0.72	1 20	12	12	12	1/2			a	30	SPARE		1 20							
31	AHU-2N	5.2	2 60	6		10	1			b	32	CU-2N		2 40	8		10	1			
33		5.2								a	34										
35	AHU-3N	3.0	2 30	10		10	1			b	36	CU-3N		2 30	8		10	1			
37		3.0								a	38										
39	A/C-5	0.5	2 20	12		12	3/4			b	40	SERVER ROOM	1.00	1 20	12	12	12	1/2			
41		0.5								a	42	SERVER ROOM	1.00	1 20	12	12	12	1/2			

EQUIPMENT SERVED	CONN. LOAD	LF	DF	DEMAND LOAD	REMARKS:
LIGHTS/RECEPTS	19.2			19.2	- PROVIDE TYPE WRITTEN DIRECTORY
MISC. EQUIPMENT	5.5	1.0		5.5	- PROVIDE NEUTRAL AND GROUND BARS
HVAC EQUIPMENT	17.4	1.0		17.4	
TOTAL KVA:				42.1	
AMPS:				175	

PANEL SCHEDULE																					
PANEL: B		RATING: 200A M.C.B.				LUG LOCATION: BOTTOM				A.I.C. : 22K											
		SERVICE: 120/240V, 1Ø, 3W				MOUNTING: RECESSED				TYPE:											
CKT	DESCRIPTION	KVA	CIRCUIT BREAKER POLE TRIP	BRANCH	CIRCUIT	Ø	N	GND	C"	Ø	CKT	DESCRIPTION	KVA	CIRCUIT BREAKER POLE TRIP	BRANCH	CIRCUIT	Ø	N	GND	C"	
1	LOBBY	0.50	1 20	12	12	12	1/2			a	2	COPIER SP	0.5	2 20	12	12	12	1/2			
3	LOBBY	0.50	1 20	12	12	12	1/2			b	4										
5	LAUNDRY/STORAGE	0.54	1 20	12	12	12	1/2			a	6	COPIER	1.00	1 20	12	12	12	1/2			
7	CONF. ROOM	0.90	1 20	12	12	12	1/2			b	8	OFFICE #1	0.90	1 20	12	12	12	1/2			
9	CONF. ROOM	0.90	1 20	12	12	12	1/2			a	10	OFFICE #1	0.72	1 20	12	12	12	1/2			
11	CONF. ROOM	0.36	1 20	12	12	12	1/2			b	12	LTG-OFFICE #1	1.00	1 20	12	12	12	1/2			
13	RESTROOM #1	0.72	1 20	12	12	12	1/2			a	14	RESTROOM #2	0.72	1 20	12	12	12	1/2			
15	REAR EXT N	0.54	1 20	12	12	12	1/2			b	16	BALCONY 2ND FLR	0.90	1 20	12	12	12	1/2			
17	STAIRS	0.50	1 20	12	12	12	1/2			a	18	REFRIGERATOR	0.36	1 20	12	12	12	1/2			
19	EXTERIOR	0.50	1 20	12	12	12	1/2			b	20	KITCHEN 3RD FLR	0.85	1 20	12	12	12	1/2			
21	OFFICE #2 2ND FLR	0.72	1 20	12	12	12	1/2			a	22	LIVING/KITCHN 3RD FLR	0.72	1 20	12	12	12	1/2			
23	OPN OFFICE/HALL 2ND FLR	0.72	1 20	12	12	12	1/2			b	24	LIVING/SLEEP 3RD FLR	0.72	1 20	12	12	12	1/2			
25	KITCHEN/HALL 3RD FLR	0.72	1 20	12	12	12	1/2			a	26	BALCONY 3RD FLR	0.72	1 20	12	12	12	1/2			
27	BATHROOM #2-3RD FLR	0.72	1 20	12	12	12	1/2			b	28	SPARE		1 20							
29	LIVING/SLEEP #3RD FLR	0.72	1 20	12	12	12	1/2			a	30	SPARE		1 20							
31	ZOOM BED	0.72	1 20	12	12	12	1/2			b	32	EWB	2.25	2 30	10		10	3/4			
33	SMOKE DETECTORS	0.25	1 20	12	12	12	1/2			a	34		2.25								
35	AHU-1S	5.2	2 60	10		10	1			b	36	CU-1S		2 60	6		10	1			
37		5.2								a	38										
39	AHU-4S	3.0	2 30	10		10	1			b	40	CU-4S		2 30	10		10	1			
41		3.0								a	42										

EQUIPMENT SERVED	CONN. LOAD	LF	DF	DEMAND LOAD	REMARKS:
LIGHTS/RECEPTS	19.9			19.9	- PROVIDE TYPE WRITTEN DIRECTORY
MISC. EQUIPMENT	4.5	1.0		4.5	- PROVIDE NEUTRAL AND GROUND BARS
HVAC EQUIPMENT	16.4	1.0		8.2	
TOTAL KVA:				32.6	
AMPS:				135	



RISER DIAGRAM
SCALE: NTS

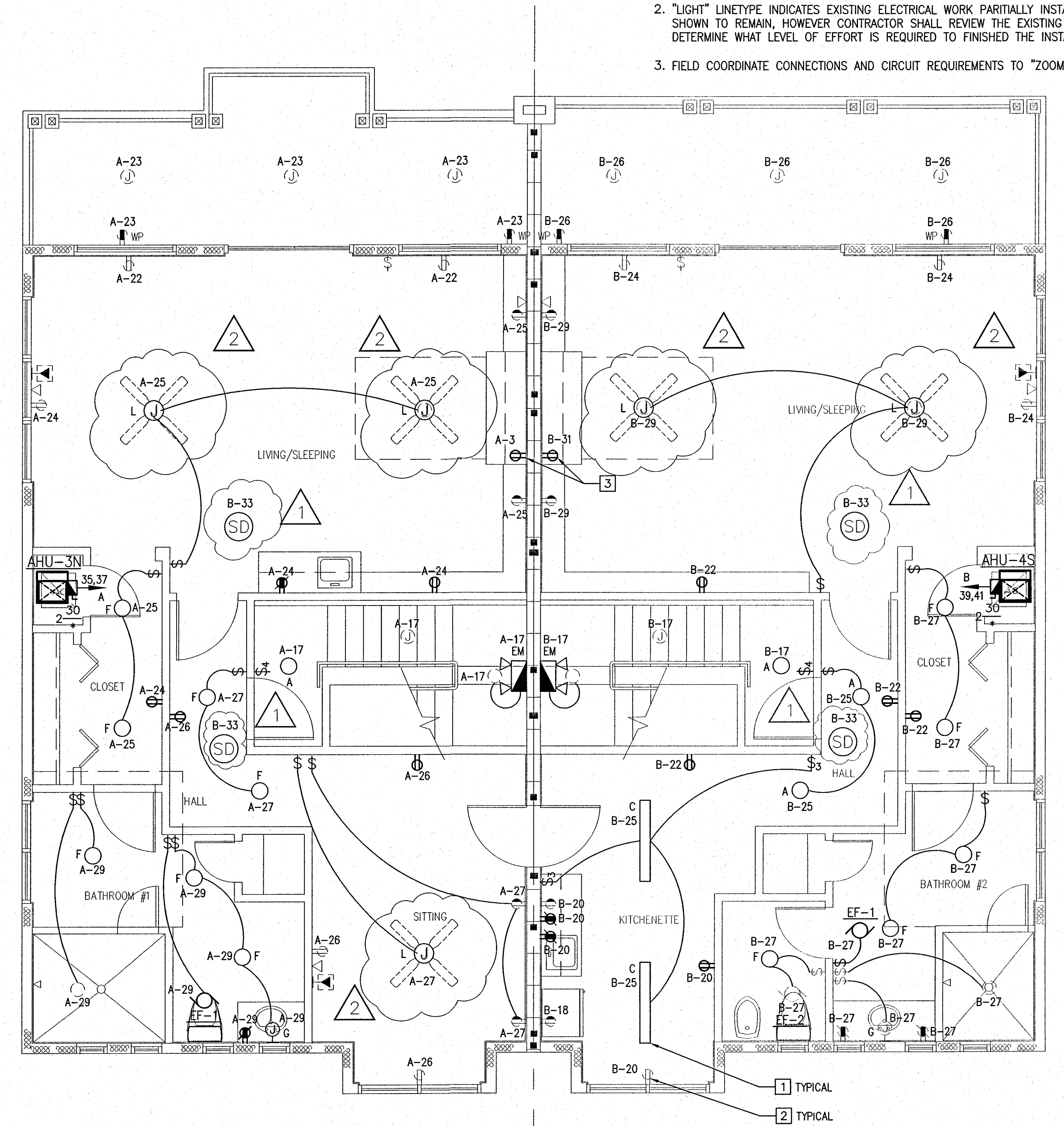
MARK	DESCRIPTION	LAMPS			DIFFUSER	MOUNTING	VOLT	MANUFACTURER	REMARKS
		QTY.	WATTS	TYPE					
A	6" FLUORESCENT DOWNLIGHT	2	26	DTT	SEMI SPECULAR	RECESSED CEILING GRID	120V	LITHONIA LF6-2/26DTT-F602A-120-GEB	CFL LAMPS, 3500K ELECTRONIC BALLAST
B	8" LINEAR FLUORESCENT DIRECT/INDIRECT	6	F32	T-8	PERF. METAL	SUSPENDED	120V	FOCAL POINT #FV25-318-2C-120-S-C24-L835-WH-8	T-8 LAMPS, 3500K ELECTRONIC BALLAST
C	4" FLUORESCENT CEILING LIGHT	4	F32	T-8	ACRYLIC PRISMATIC	SURFACE MOUNTED	120V	LITHONIA #11604-120	T-8 LAMPS, 3500K ELECTRONIC BALLAST
D	STRIP FLUORESCENT	2	32	T-8	---	SURFACE MOUNTED	120V	LITHONIA #C-2-32-120-GEB	
E	EMERGENCY EXIT SIGN			LED	RED	UNIVERSAL	120V	LITHONIA #LQMS-1-W-R-120-ELN	PROVIDE ARROWS AS DIRECTED
EM	EMERGENCY LIGHTING	2	5.4	---	---	UNIVERSAL	120V	LITHONIA ELM2	
F	6" INCANDESCENT DOWNLIGHT	1	65	BR30	WHITE BAFFLE	RECESSED CEILING GRID	120V	LITHONIA LF6-6B2W	
G	WALL BRACKET	3	100	A19	GLASS	WALL ABOVE MIRROR	120V	PROGRESS LIGHTING P3303-09	
H	6" FLUORESCENT DOWNLIGHT	2	26	DTT	GLASS FRESNEL	RECESSED SOFFIT	120V	LITHONIA LF6-2/26DTT-120-GEB-F6L4	
J	HID WALL LIGHT FULL CUTOFF	1	150	MH	GLASS	WALL AT 10' AFG	120V	LITHONIA ASW1-150M-SR2-120-PE-DBLB	
K	SURFACE FLUORESCENT	2	26	DTT	GLASS	SURFACE MOUNTED	120V	FORECAST LIGHTING F2006-12U-120	
L	CEILING FAN WITH LIGHT	3	40	CAND.	GLASS	SURFACE MOUNTED	120V	HAMPTON BAY (VIA HOME DEPOT) ROMANO FAN WITH INTEGRATED LGT KIT #AC293BN	

FIXTURE SCHEDULE NOTES:

1. FIXTURE SCHEDULE IS PROVIDED TO ESTABLISH A LEVEL OF QUALITY AND SET THE BASIS OF DESIGN FOR THIS PROJECT. ALTERNATE PACKAGES OF EQUAL OR GREATER QUALITY WILL BE ACCEPTED ONLY FROM GENLYTE, WFLJ AND SESCO (ORLANDO). NO OTHERS WILL BE CONSIDERED FOR THIS PROJECT. SUBMIT CATALOG CUT SHEETS FOR APPROVAL PRIOR TO ORDERING LIGHTING FIXTURES. SUBMIT ANY DISCREPANCIES TO THE ARCHITECT/ENGINEER PRIOR TO SUBMITTING BIDS. SUBMISSIONS OF SHOP DRAWINGS TO THE ENGINEER/ARCHITECT THAT DO NOT MEET THE ABOVE REQUIREMENTS WILL NOT BE APPROVED. ALL FLUORESCENT LAMPS SHALL HAVE MINIMUM CRI OF 85. ALL LAMPS SHALL BE MANUFACTURED BY GE, OSRAM SYLVANIA, OR PHILIPS. ALL BALLASTS SHALL BE MANUFACTURED BY MOTOROLA, MAGNETEK, OSRAM, OR ADVANCE. EMERGENCY BATTERIES SHALL BE MANUFACTURED BY BODINE, AND OR APPROVED EQUALS AND SHALL BE FACTORY INSTALLED IN ALL PARABOLIC FIXTURES.

PLAN NOTES: X

- "BOLD" LINETYPE INDICATES NEW ELECTRICAL WORK TO BE INSTALLED.
- "LIGHT" LINETYPE INDICATES EXISTING ELECTRICAL WORK PARTIALLY INSTALLED AND SHOWN TO REMAIN, HOWEVER CONTRACTOR SHALL REVIEW THE EXISTING WORK TO DETERMINE WHAT LEVEL OF EFFORT IS REQUIRED TO FINISHED THE INSTALLATION.
- FIELD COORDINATE CONNECTIONS AND CIRCUIT REQUIREMENTS TO "ZOOM BEDS"



THIRD FLOOR ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"

REVISION	DATE	DESCRIPTION
1	5/17/06	BUILDING DEPT. COMMENTS
2	8/31/06	LIGHTING REVISION

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CONSTRUCTION ENGINEERING GROUP
consulting engineers

BELLAVISTA TOWNHOUSE RENOVATION FOR LUNG RX
SATELLITE BEACH, FLORIDA, 32937
DRAWING TITLE
THIRD FLOOR ELECTRICAL PLAN

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ENGINEER OF RECORD

DAVID E. ALLEY, P.E.
FL LICENSE NO. 55008

DATE: 03-31-06

SCALE: AS NOTED

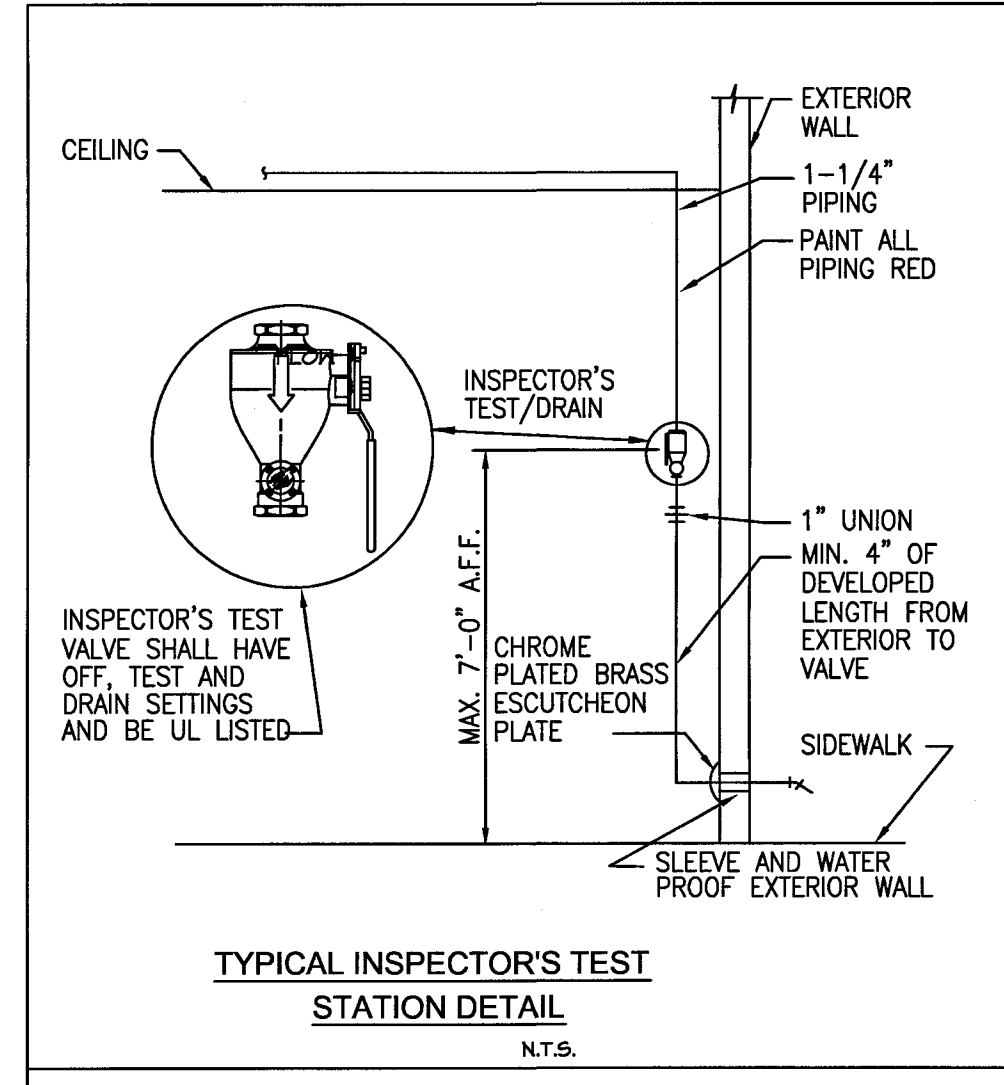
PROJ. NO.: 050413

DESIGNED BY: DEA

DRAWN BY: DEA

CHECKED BY: DEA

DRAWING NO.: **E4**

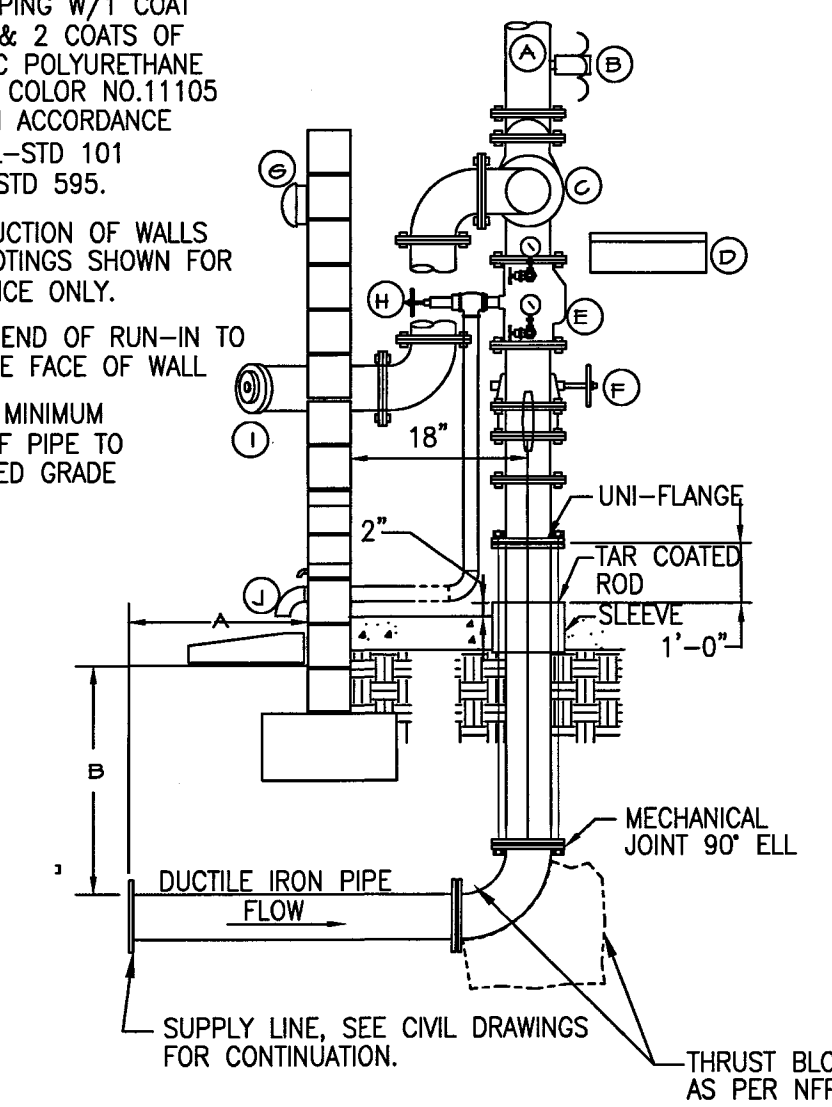


TYPICAL INSPECTOR'S TEST STATION DETAIL
N.T.S.

NOTES:

1. PAINT PIPING W/1 COAT PRIMER & 2 COATS OF ALIPHATIC POLYURETHANE COATING COLOR NO.11105 (RED) IN ACCORDANCE WITH MIL-STD 101 & FED-STD 595.
2. CONSTRUCTION OF WALLS AND FOOTINGS SHOWN FOR REFERENCE ONLY.

- A. 5'-0" END OF RUN-IN TO OUTSIDE FACE OF WALL
- B. 3'-0" MINIMUM TOP OF PIPE TO FINISHED GRADE



WET PIPE FIRE RISER ENTRY DETAIL
N.T.S.

SYMBOL KEY

- | | |
|--|---|
| (A) SUPPLY TO SPRINKLER | (G) FIRE ALARM GONG MOUNTED ON EXTERIOR OF BUILDING |
| (B) FLOW SWITCH | (H) 1 1/4" MAIN DRAIN - DRAIN TO 18" x 24" CONCRETE SPLASH BLK. SET ON FINISHED GRADE |
| (C) SWING CHECK VALVE | (I) 4" TO 2 1/2" x 2 1/2" x 4" WALL TYPE SIAMOSE FIRE DEPT. CONNECTION. |
| (D) SPARE SPRINKLER HEAD BOX, MOUNTED TO WALL | (J) 1/2" BALL DRIP DRAIN THRU WALL |
| (E) SHOTGUN 80 RISER CHECK VALVE | |
| (F) BUTTERFLY VALVE (WAFFER TYPE WITH TAMPER SWITCH) | |

FIRE PROTECTION NOTES & SPECIFICATIONS

DESCRIPTION OF WORK: THE EXTENT OF WORK INCLUDES ALL LABOR, MATERIALS, EQUIPMENT AND SERVICES NECESSARY TO COMPLETE THE SYSTEM AS SPECIFIED HEREIN IN ACCORDANCE WITH NFPA 13, 14, 20 AND 24 AND ALL APPLICABLE LOCAL CODES AND REGULATIONS. THE SYSTEM SHALL BE FULLY TESTED, CLEANED AND LEFT IN A COMPLETE AND OPERATIONAL STATUS. PERMITS: OBTAIN ALL PERMITS AND PAY ALL RELATED EXPENSES. ALL WORK IS NEW UNLESS INDICATED AS EXISTING.

PIPING SHALL ESSENTIALLY BE ROUTED AND LOCATED AS INDICATED ON THE DRAWINGS; HOWEVER, ACTUAL PLACEMENT SHALL BE VERIFIED BY CONFIRMING EXACT LOCATION OF STRUCTURES AND OTHER UTILITIES IN THE FIELD AND BY CAREFUL LAYOUT PRIOR TO EXECUTION OF THE WORK. DRAWINGS ARE GENERALLY DIAGRAMMATIC AND DO NOT INDICATE ALL FITTINGS NECESSARY FOR UNFORESEEN CONFLICTS WITH OTHER BUILDING COMPONENTS.

PIPE, FITTINGS AND VALVES: STEEL PIPE ASTM A 135, PIPE SIZE 2" AND SMALLER SHALL BE SCHEDULE 40 BLACK STEEL WITH THREADED CAST IRON BLACK FITTINGS, PIPE SIZE 2-1/2" AND LARGER SHALL BE SCHEDULE 10 BLACK STEEL, ROLL GROOVED WITH GROOVED COUPLINGS AND FITTINGS, MECHANICAL TEES AND WELDED OUTLETS, DRAIN PIPING SHALL BE SCHEDULE 40 WITH THREADED CAST IRON BLACK FITTINGS, NFPA 13 SPECIFIED WALL THICKNESS FOR 2-1/2" THRU 4" SIZE. CAST IRON THREADED FLANGES: ASME B16.4, CLASS 125, RAISED GROUND FACE, BOLT JOLES SPOT FACED. CAST IRON THREADED FITTINGS: ASME B16.4, CLASS 125, STANDARD PATTERN, WITH THREADS ACCORDING TO ASME B1.20.1, 175 PSI RATED, MALLEABLE IRON THREADED FITTINGS: ASME B16.3, CLASS 150, STANDARD PATTERN, WITH THREADS ACCORDING TO ASME B1.20.1. STEEL FITTINGS: ASTM A 234 / A 234M, SEAMLESS OR WELDED, ASME B16.9, BUTTWELDING; OR ASME B16.11, SOCKET WELDING TYPE FOR WELDED JOINTS, GROOVED END FITTINGS FOR STEEL PIPE: UL LISTED AND FM APPROVED ASTM A 536, GRADE 65-45-12 DUCTILE IRON OR ASTM A 47 GRADE 32510 MALLEABLE IRON, WITH GROOVES OR SHOULDERS DESIGNED TO ACCEPT GROOVED COUPLINGS. FLANGED JOINTS FOR DUCTILE IRON PIPE AND DUCTILE IRON OR CAST IRON FITTINGS: ANWA C115 DUCTILE IRON OR GRAY IRON PIPE FLANGES, RUBBER GASKETS, AND HIGH STRENGTH STEEL BOLTS AND NUTS. COUPLINGS FOR GROOVED END STEEL PIPE AND GROOVED END FERROUS FITTINGS: UL 213, ANWA C606, ASTM A 536 DUCTILE IRON OR ASTM A 47 MALLEABLE IRON HOUSING, WITH ENAMEL FINISH. INCLUDE SYNTHETIC RUBBER GASKET WITH CENTRAL CAVITY, PRESSURE RESPONSIVE DESIGN, ASTM A 183 CARBON STEEL BOLTS AND NUTS TO SECURE GROOVED PIPE AND FITTINGS. GENERAL: UL LISTED AND/OR FM APPROVED SERVICE VALVES WITH 175 PSIG NON-SHOCK MINIMUM WORKING PRESSURE RATING. GATE VALVES: UL 262, CAST BRONZE, THREADED ENDS, SOLID WEDGE, OUTSIDE SCREW AND YOKE, RISING STEM. PROVIDE INDICATING (BUTTERFLY OR BALL) VALVES TYPE, BRONZE BODY WITH THREADED ENDS, AND INTEGRAL INDICATING DEVICE, INDICATOR SHALL BE VISUAL AND ELECTRICAL 115 VOLTS A.C., PRE-WIRED 2 CIRCUIT, SUPERVISORY SWITCH.

SPRINKLERS PROVIDE AUTOMATIC HEAT-RESPONSIVE GLASS BULB SPRINKLER HEADS, WITH 1/2" NOMINAL ORIFICE, 5.50 "K" FACTOR 155°F TEMPERATURE RATING, INSTALL SPRINKLERS IN A UNIFORM, CONSISTANT MANNER IN ORDER TO LINE UP EACH AREA, IN THE "CENTER" OF THE CEILING TILE AS DETAILED.

SPRINKLER CABINETS: FINISHED STEEL CABINET AND HINGED COVER, WITH 6 SPARE SPRINKLERS PLUS SPRINKLER WRENCH, SUITABLE FOR WALL MOUNTING.

ALARM DEVICES: VERIFY IF REQUIRED. PROVIDE NEW DEVICES IF REQUIRED AS BASED ON PRE-BID FIELD INVESTIGATION. COORDINATE WITH ELECTRICAL (OR FIRE ALARM) CONTRACTOR TO PROVIDE CONNECTIONS TO FIRE ALARM SYSTEM IF REQUIRED.

PIPING INSTALLATIONS: DEVIATIONS FROM APPROVED "WORKING PLANS" FOR SPRINKLER PIPING REQUIRE WRITTEN APPROVAL FROM AUTHORITY WITH JURISDICTION. FILE WRITTEN APPROVAL WITH THE ENGINEER PRIOR TO DEVIATING FROM APPROVED "WORKING PLANS". INSTALL UNION OR FLANGE ADJACENT TO EACH VALVE. INSTALL HANGER AND SUPPORT SPACING AND LOCATIONS FOR STEEL PIPING JOINED WITH GROOVED MECHANICAL COUPLINGS ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS FOR RIGID SYSTEMS PER NFPA 13.

FIELD QUALITY CONTROL: FLUSH, TEST AND INSPECT SPRINKLER PIPING SYSTEMS ACCORDING TO NFPA 13 CHAPTER "SYSTEM ACCEPTANCE". REPORT TEST RESULTS PROMPTLY AND IN WRITING TO ARCHITECT AND TO THE AUTHORITY HAVING JURISDICTION. CLEANING: CLEAN DIRT AND DEBRIS FROM SPRINKLERS. REPLACE SPRINKLERS HAVING PAINT OTHER THAN FACTORY FINISH WITH NEW SPRINKLERS. CLEANING AND REUSE OF PAINTED SPRINKLERS IS PROHIBITED.

SPRINKLER SYSTEM BASIS OF DESIGN:	
ITEM	DESIGN
CLASSIFICATION	COORDINATE WITH ARCHITECTURAL DRAWINGS AND CLASSIFY AREAS PER NFPA
TYPE	WET PIPE SPRINKLER SYSTEM
RECESSED SPRINKLER HEAD MANUFACTURER	CENTRAL MODEL "GB", 1/2" ORIFICE
TEMPERATURE RATING	155°F UNLESS OTHERWISE NOTED
STATIC PRESSURE	CONTRACTOR TO OBTAIN INFORMATION
RESIDUAL PRESSURE/FLOW	CONTRACTOR TO OBTAIN INFORMATION
FIRE DEPARTMENT CONNECTION	WALL TYPE POTTER-ROEMER, INC. MODEL 5020-D 4" x 2-1/2" (2 WAY) CHROME PLATED LABELED "AUTO. SPKR."

- NOTES:
1. SYSTEM DESIGN SHALL BE HYDRAULICALLY CALCULATED PER NFPA-13.
 2. PROVIDE 200°F TEMPERATURE SPRINKLER HEADS IN THE MECHANICAL, ELECTRICAL EQUIPMENT ROOMS.
 3. COORDINATE CEILING MOUNTED SPRINKLER HEADS WITH OTHER DEVICES (LIGHTS, DIFFUSERS, ACCESS PANELS, ETC.). SEE ARCHITECTURAL CEILING PLANS FOR LOCATIONS OF ALL DEVICES.
 4. ALL MATERIALS AND EQUIPMENT SHALL BE UL AND/OR FACTORY MUTUAL APPROVED WHERE APPLICABLE.

REVISION

DATE

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CONSTRUCTION
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BELLAVISTA TOWNHOUSE RENOVATION
FOR LUNG RX

SATELLITE BEACH, FLORIDA, 32937

DRAWING TITLE
FIRE PROTECTION NOTES & SPECIFICATIONS

ENGINEER OF RECORD

DATE: 03-31-06

SCALE: AS NOTED

PROJ. NO.: 050413

DESIGNED BY: KJC

DRAWN BY: JPM

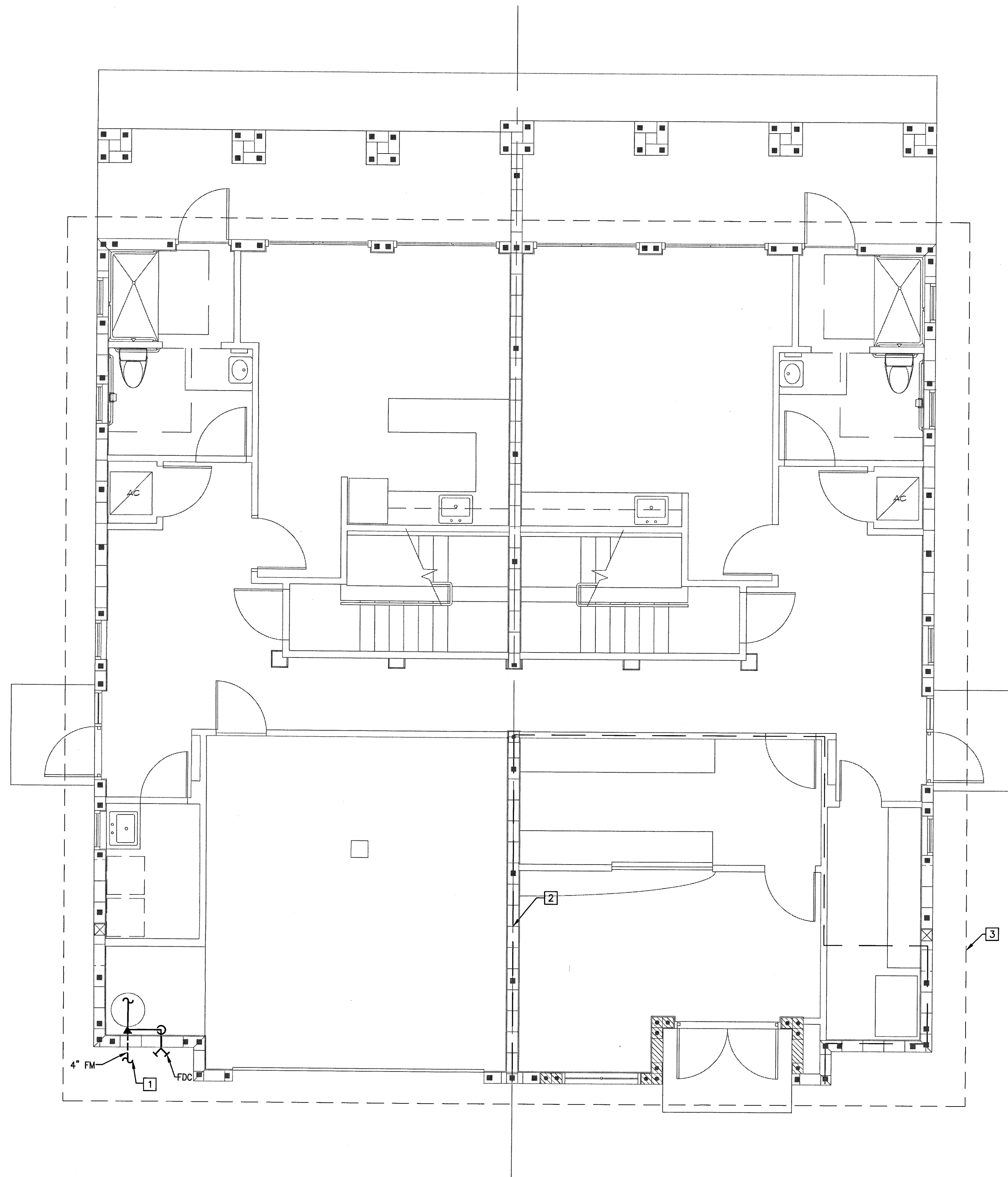
CHECKED BY: KJC

DRAWING NO. FP-1

KEITH J. COUCH, P.E.
FL LICENSE NO. 45074

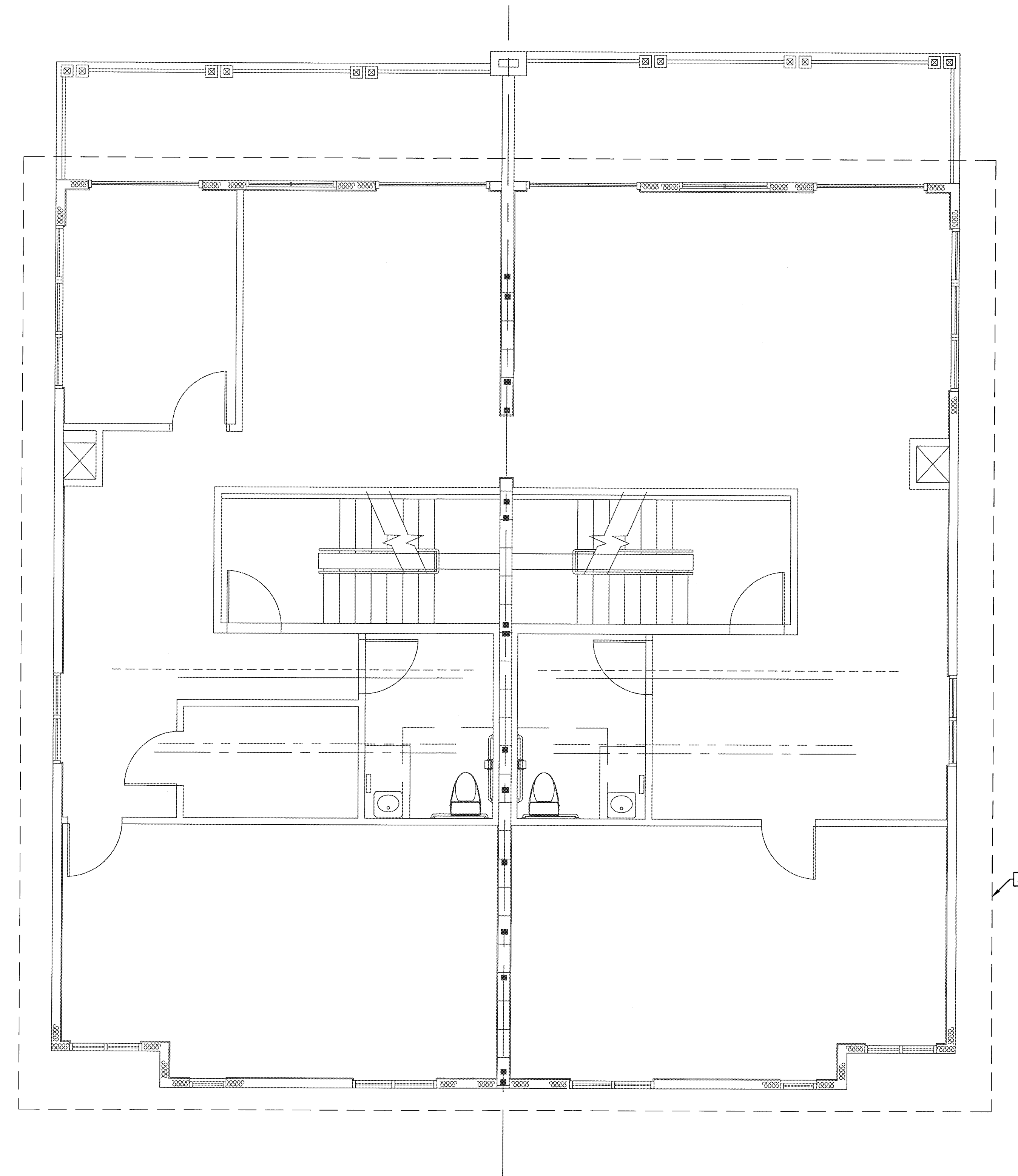
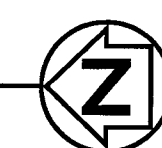
NOTES:

- 1 PROVIDE FIRE MAIN AND RISER INTO BUILDING. COORDINATE WITH SITE FOR CONNECTION TO DOUBLE CHECK VALVE ASSEMBLY.
- 2 PROVIDE SPRINKLER COVERAGE OF 0.15 GPM/SF OVER THE MOST REMOTE 1500 SF ACCORDING TO AN ORDINARY HAZARD GROUP 1 OCCUPANCY IN NFPA 13.
- 3 PROVIDE SPRINKLER COVERAGE OF 0.10 GPM/SF OVER THE MOST REMOTE 1500 SF ACCORDING TO A LIGHT HAZARD OCCUPANCY IN NFPA 13.



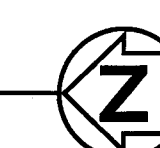
1ST FLOOR FIRE PROTECTION PLAN

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



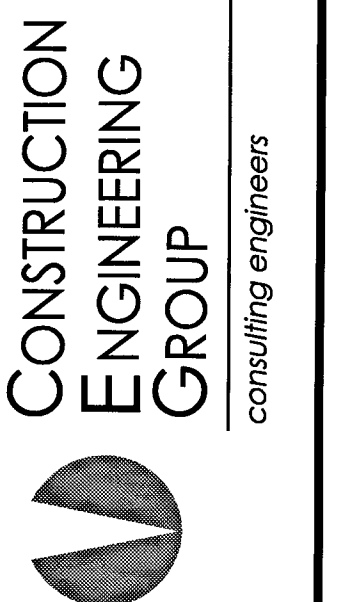
2ND FLOOR FIRE PROTECTION PLAN

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



REV#	DATE	REVISION

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**BELLAVISTA TOWNHOUSE RENOVATION
FOR LUNG RX**
SATELITE BEACH, FLORIDA, 32937
DRAWING TITLE
1ST AND 2ND FLOOR FIRE PROTECTION PLANS

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ENGINEER OF RECORD
KEITH J. COUCH, P.E.
FL LICENSE NO. 45074

DATE
03-31-06

SCALE
AS NOTED

PROJ. NO.:
050413

DESIGNED BY:
KJC

DRAWN BY:
KJC

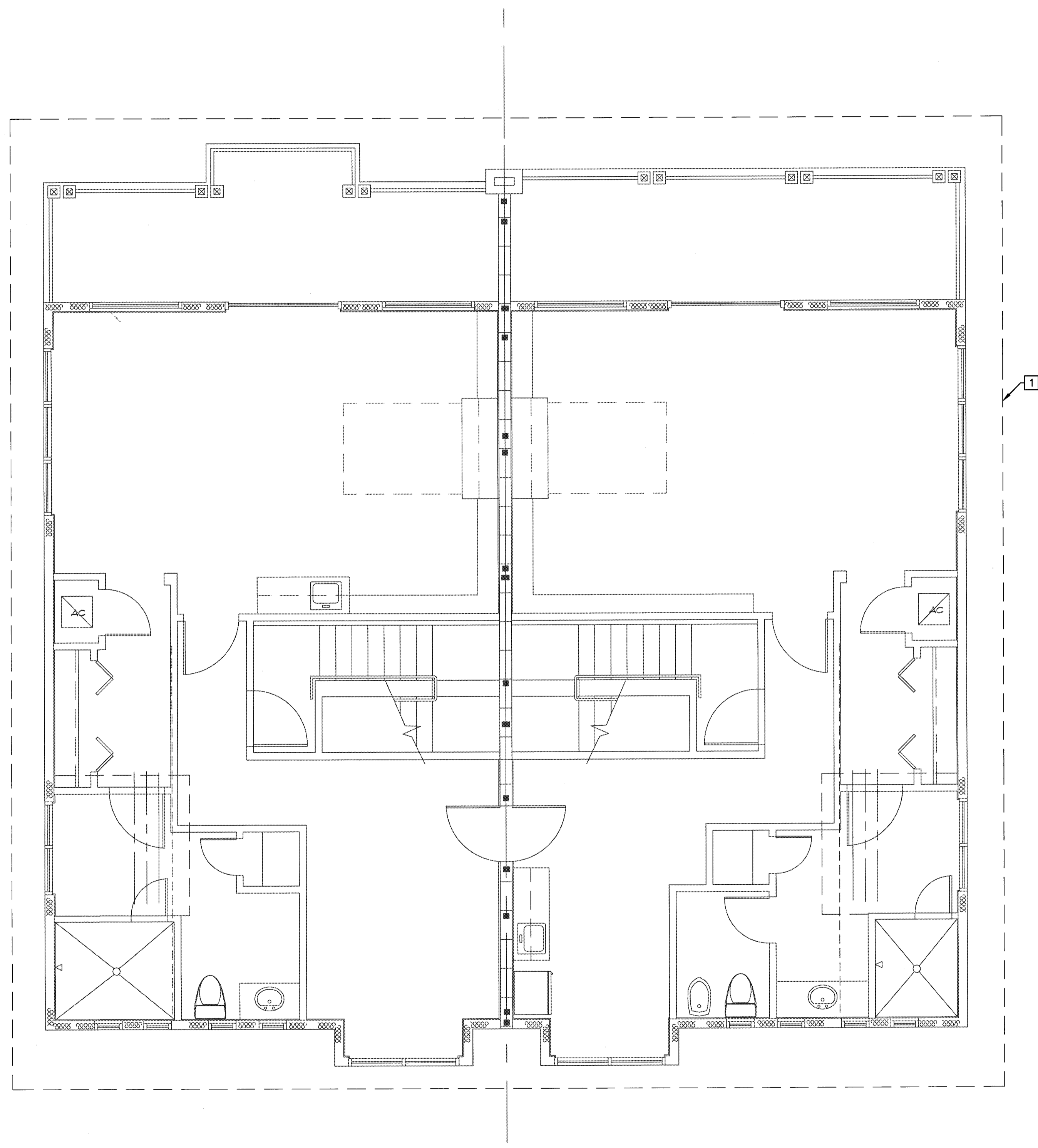
CHECKED BY:
KJC

DRAWING NO.
FP-2

P:\Specs\Cast Arch\Long RX Townhouse - Office\LONG RX PLUMB.dwg, 4/11/2006 8:02:20 AM, John McQuinn, CLIP ENGINEERING

NOTES:

1 PROVIDE A SPRINKLER COVERAGE OF 0.10 GPM/SF OVER THE MOST REMOTE 1500 SF ACCORDING TO NFPA 13 FOR THE ATTIC AND FLOOR BELOW.



3RD FLOOR FIRE PROTECTION PLAN

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



REV#	DATE	REVISION

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**BELLAVISTA TOWNHOUSE RENOVATION
FOR LUNG RX**
SATELITE BEACH, FLORIDA, 32937

**DRAWING TITLE
3RD FLOOR FIRE PROTECTION PLAN**

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ENGINEER OF RECORD

KEITH J. COUCH, P.E.
FL LICENSE NO. 45074

DATE
03-31-06

SCALE
AS NOTED

PROJ. NO. :
050413

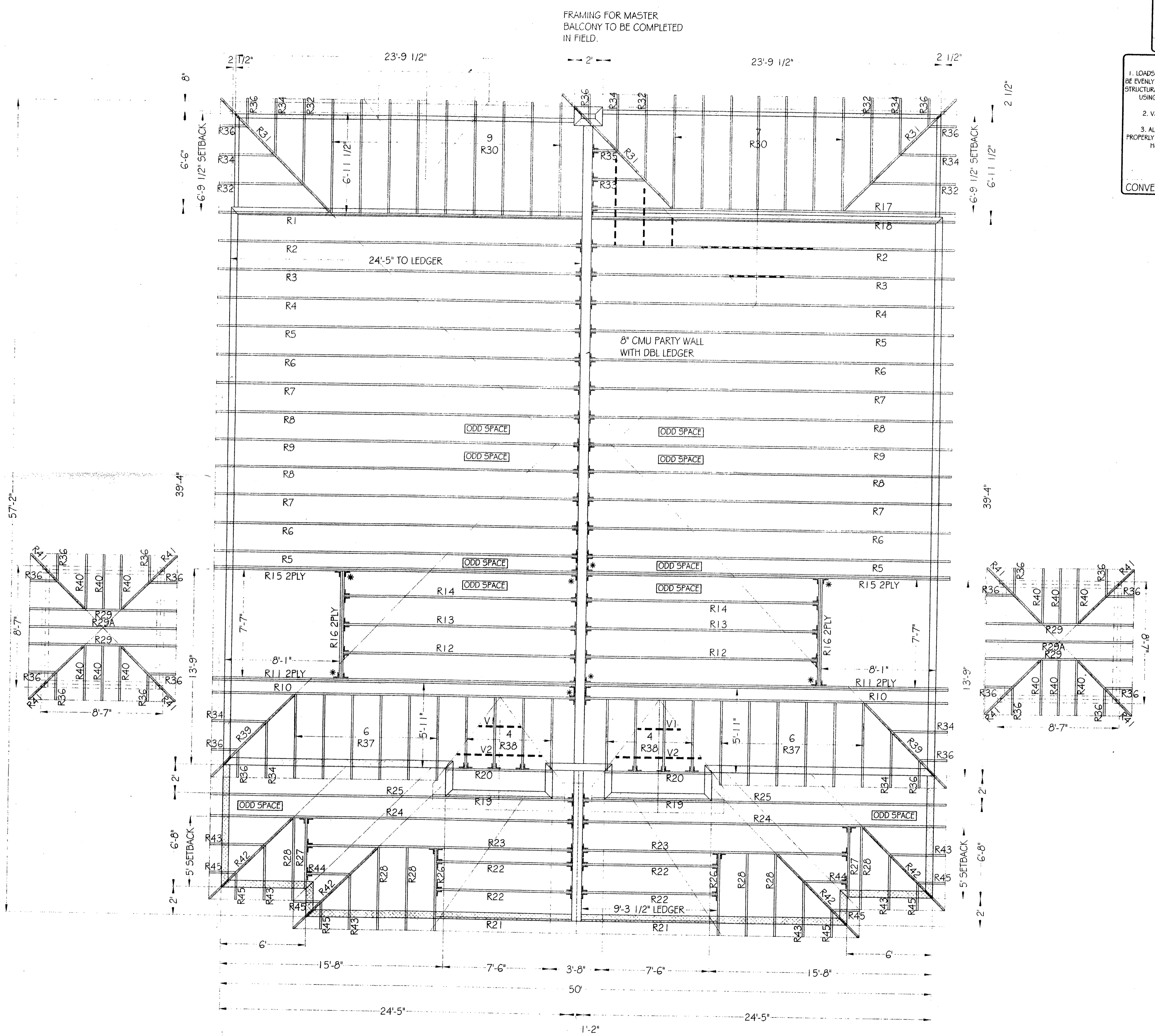
DESIGNED BY:
KJC

DRAWN BY:
KJC

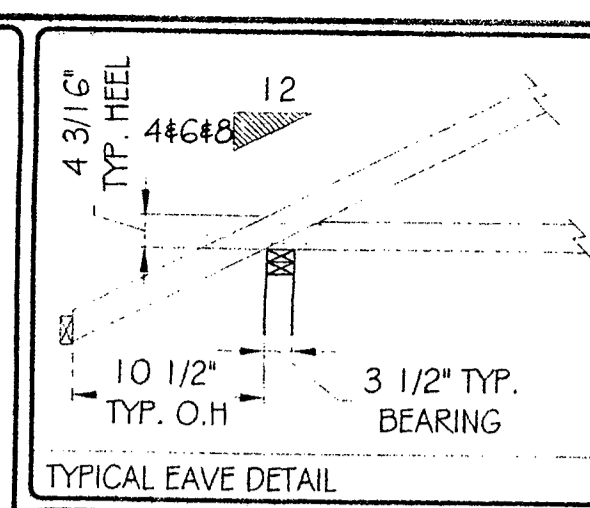
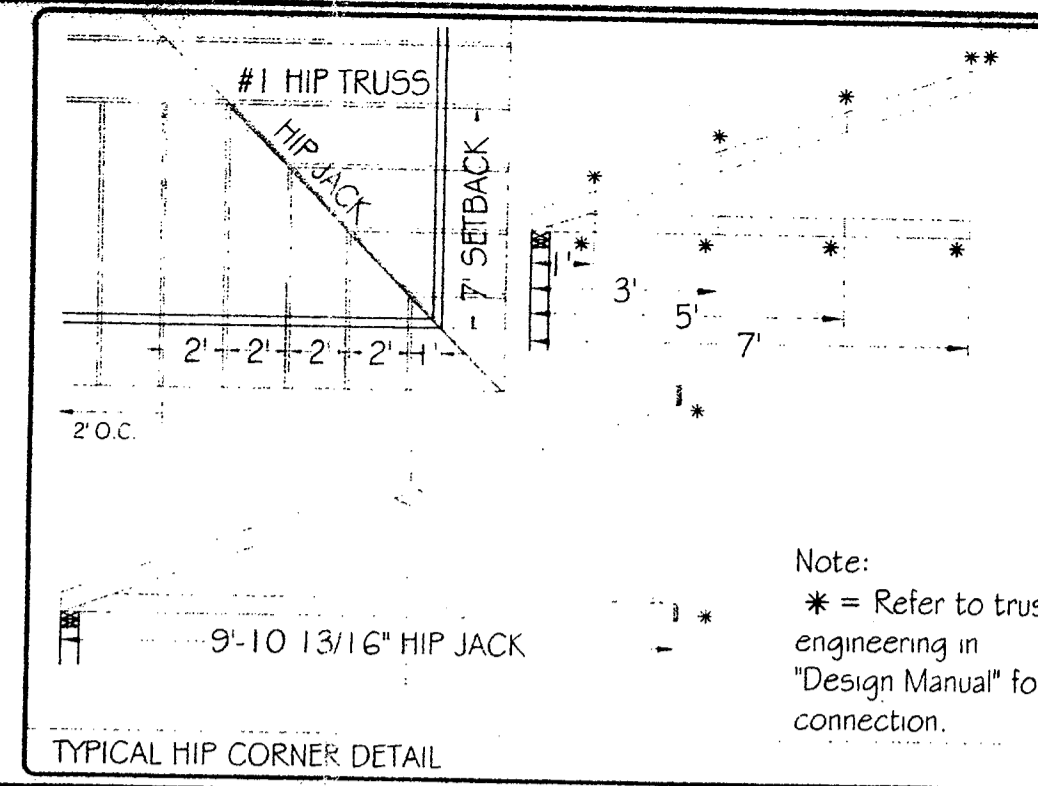
CHECKED BY:
KJC

DRAWING NO.
FP-3

P:\Projects\03-31-06\03-31-06\03-31-06.dwg 5/11/2006 8:03:01 AM John Minicciolo
CAG ENGINEERING



FRAMING FOR MASTER BALCONY TO BE COMPLETED IN FIELD.



LEGEND

	SUPPLIED BEAM
	BEAM BY OTHERS
	VALLEY / FIELD FRAMING
	PLUMBING DROP
	TYP BEARING HEIGHT - UPPER
	TYP BEARING HEIGHT - LOWER

Note: * = Refer to truss engineering in "Design Manual" for connection.

1. LOADS FROM FRAMING TO BE EVENLY DISTRIBUTED OVER STRUCTURAL TRUSSES BELOW USING VERTICAL LEGS AS REQUIRED.

2. VALLEY BLOCKING AS REQUIRED.

3. ALL LUMBER MUST BE PROPERLY CONNECTED USING HURRICANE CLIPS AS REQUIRED.

RIDGE BOARD

VALLEY RAFTERS

CONVENTIONALLY FRAMED VALLEY

TOP CHORD OF TRUSSES MUST BE BRACED w/ CONTINUOUS DECKING OR LATERAL BRACING @ 24\"/>

SYMBOL:

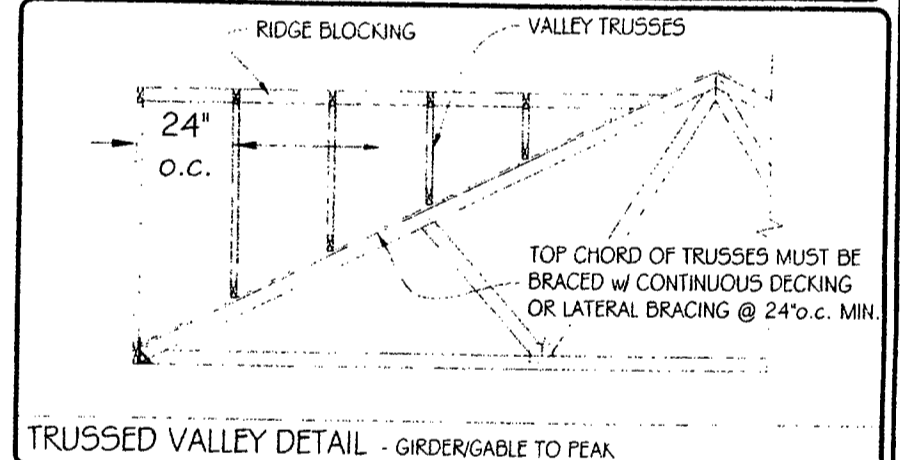
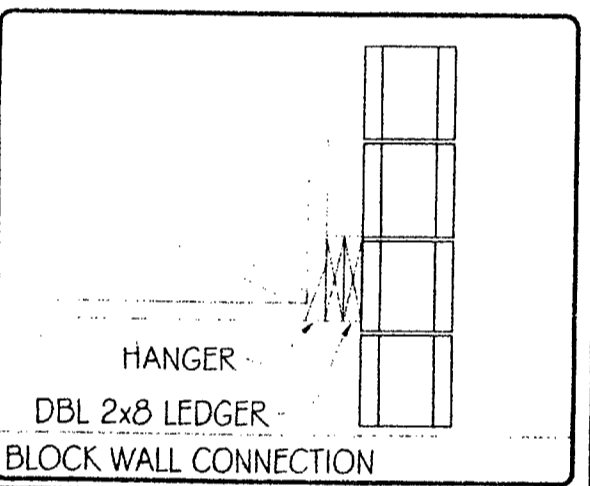
QTY: 70

For Nailing:
See Simpson Catalog
or Call 1-800-999-5099
SIMPSON HUS26

SYMBOL:

QTY: 8

For Nailing:
See Simpson Catalog
or Call 1-800-999-5099
SIMPSON HHU526-2



"ATTENTION"

- LIMITED RESPONSIBILITY OF ROOF TRUSS MANUFACTURER. SEE WTCA 1-1995 SECTION 6.0, FOUND IN DESIGN MANUAL.
- WARNING FAILURE TO FOLLOW RECOMMENDATIONS IN "HIB-91" MAY RESULT IN SERIOUS INJURY, LOSS OF LIFE, OR PROPERTY DAMAGE.
- CUSTOMER TO VERIFY ALL DIMENSIONS, BEARING HEIGHTS, PITCHES AND ALL INFORMATION REGARDING THE DESIGN AND FABRICATION OF TRUSS SYSTEM.
- DO NOT OVERLOAD TRUSSES w/ SHEETROCK / SHEATHING OR OTHER BUILDING MATERIALS.
- TRUSSES ARE NOT MARKED IN ANY WAY TO IDENTIFY THE FREQUENCY, OR LOCATION OF TEMPORARY ERECTION BRACING. ALL TEMPORARY BRACING SHALL COMPLY WITH THE LATEST EDITION OF HIB-91 PUBLISHED BY THE TRUSS PLATE INSTITUTE FOUND IN THE DESIGN MANUAL.
- NON-LOAD BEARING WALLS TO BE SINGLE TOP PLATED, TO PREVENT LOAD TRANSFER TO THESE WALLS. A 1x4 MAY BE USED AS SECOND TOP PLATE AS LONG AS A MIN. 3/4\"/>

WHITCRAFT HOMES
SATELLITE BEACH PROJECT

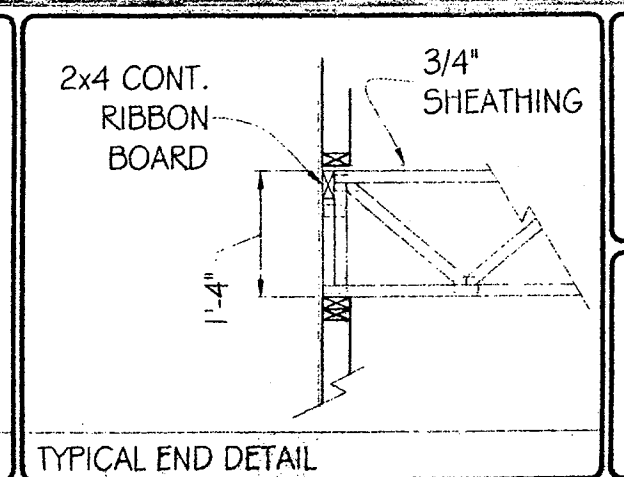
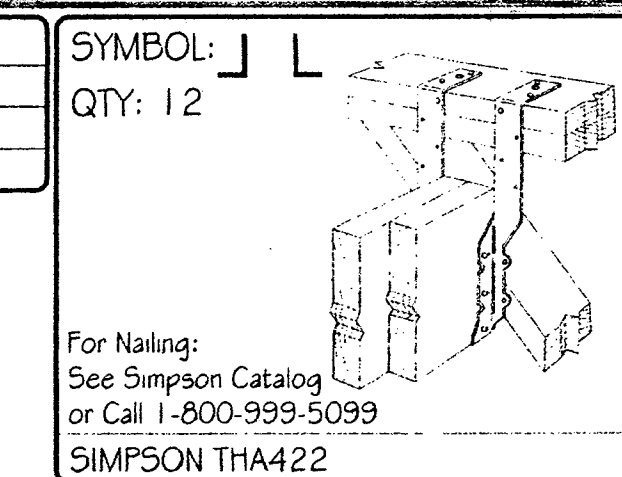
Ridgway Roof Truss Company
P.O. Box 1309 Gainesville, Florida 32602
Telephone (352) 376-4436 FAX (352) 371-3316
E-Mail: Sales@RidgwayTruss.com

REV. BY: CHK BY: _____
DATE: _____

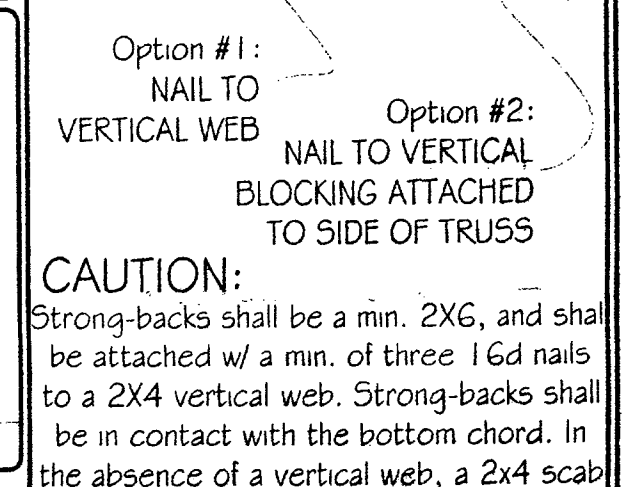
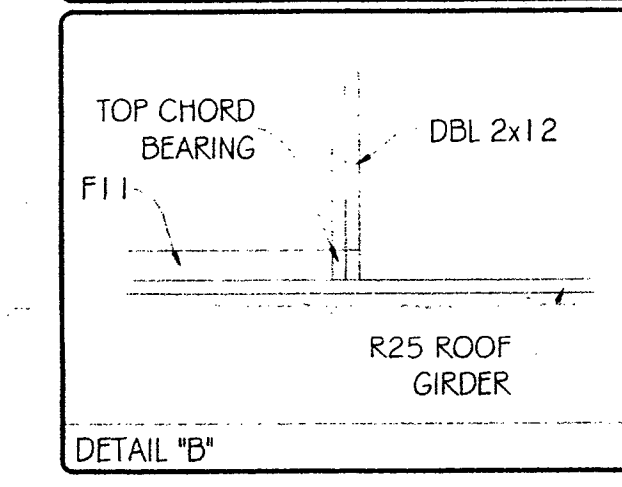
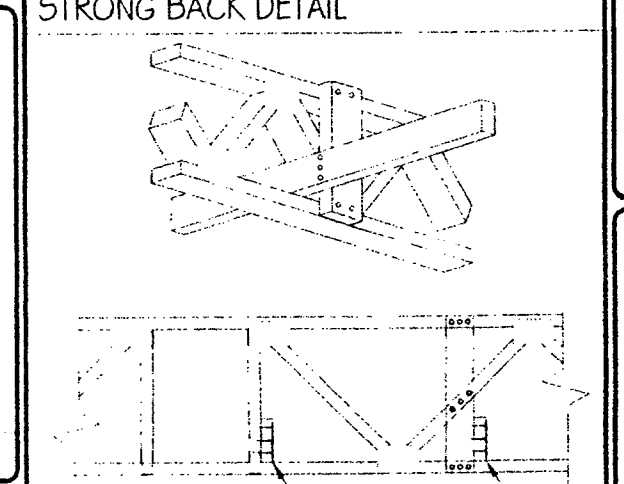
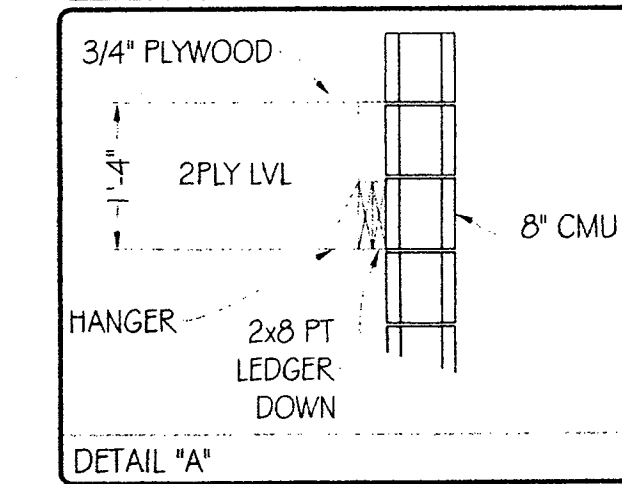
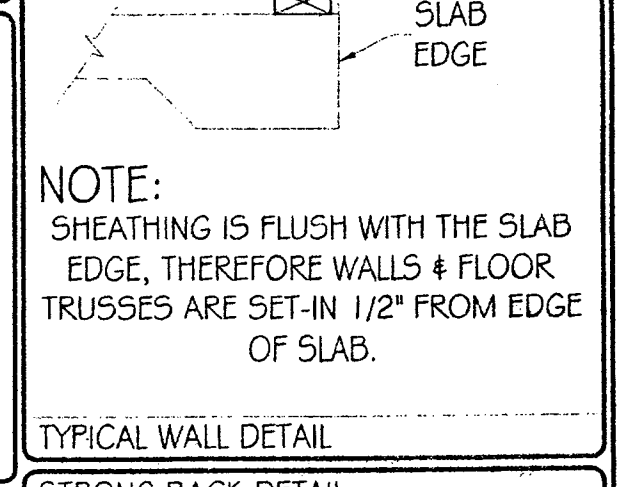
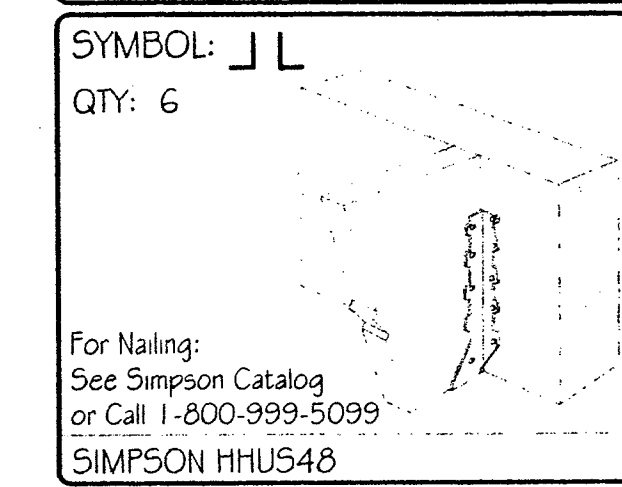
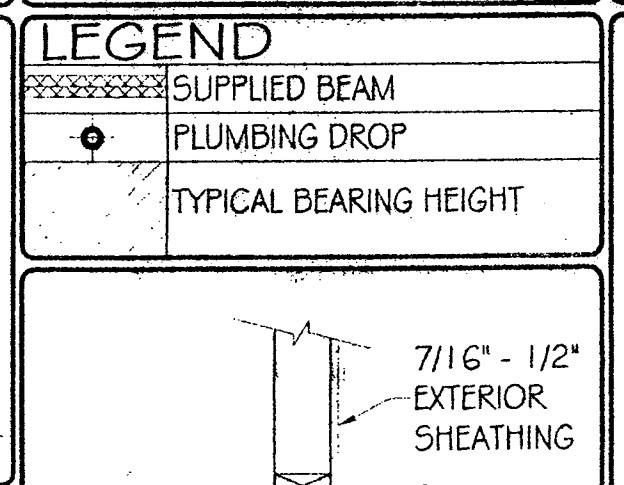
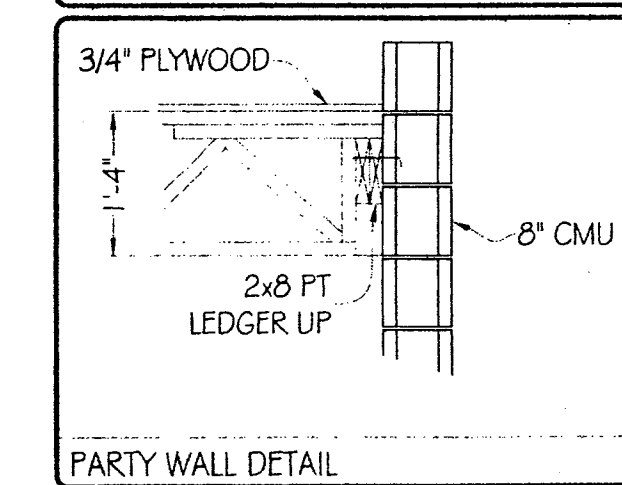
SALESMAN: MIKE WELDON
DESIGNER: BRAD CAD: CHRIS
JOB #: 04426 DATE: 3-25-04
FILE: K:\04426\0441\04426

1 of 1

BEAM SCHEDULE				
Contractor to verify all beam lengths prior to cutting.				
Mark	Shp	Length	Qty	Description
LVL-A	25'-0"	2	2	1-3/4" x 16" x 24'-8" LVL Beam

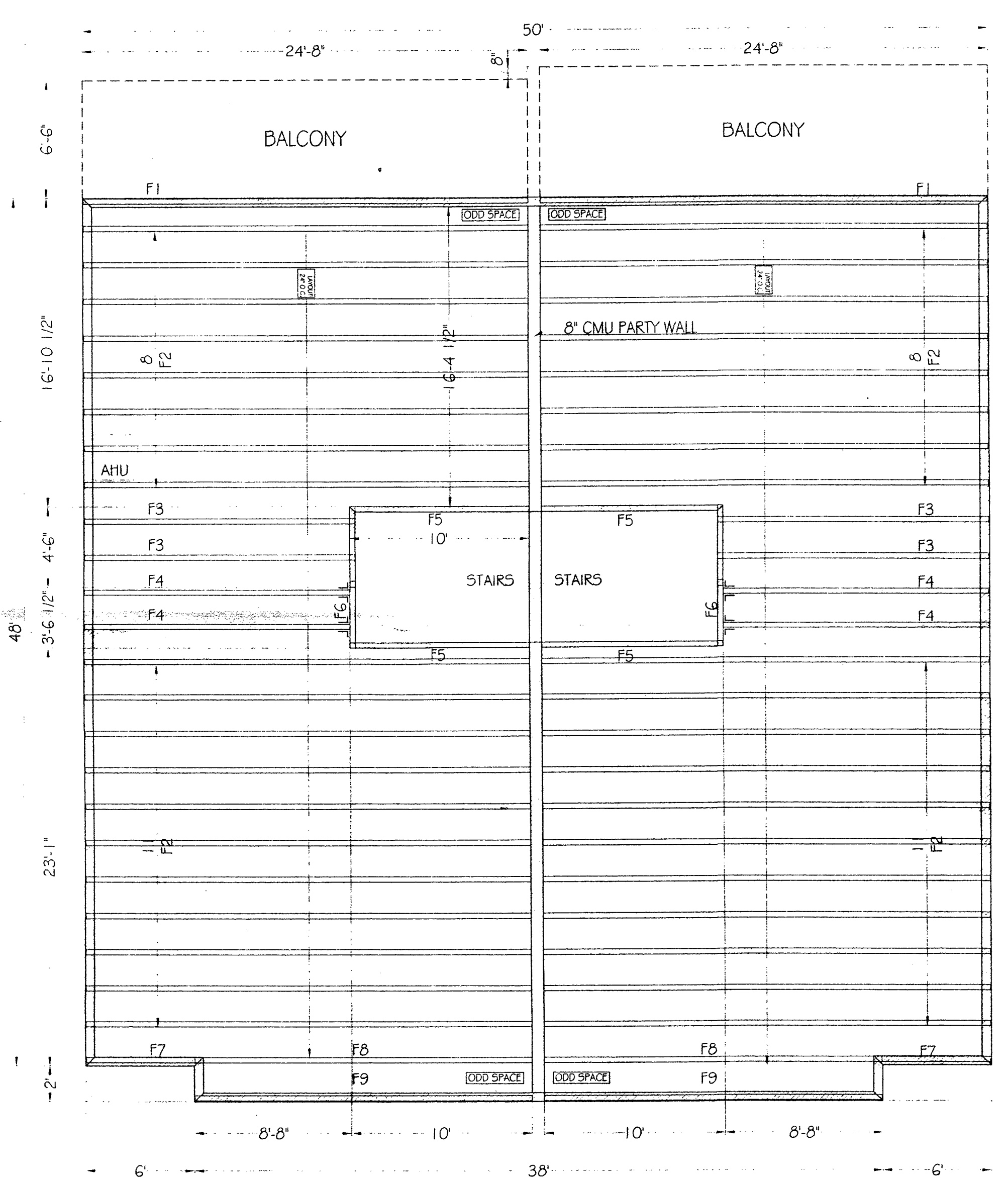


FLOOR TRUSS LAYOUT
SCALE: 3/16" = 1'-0"

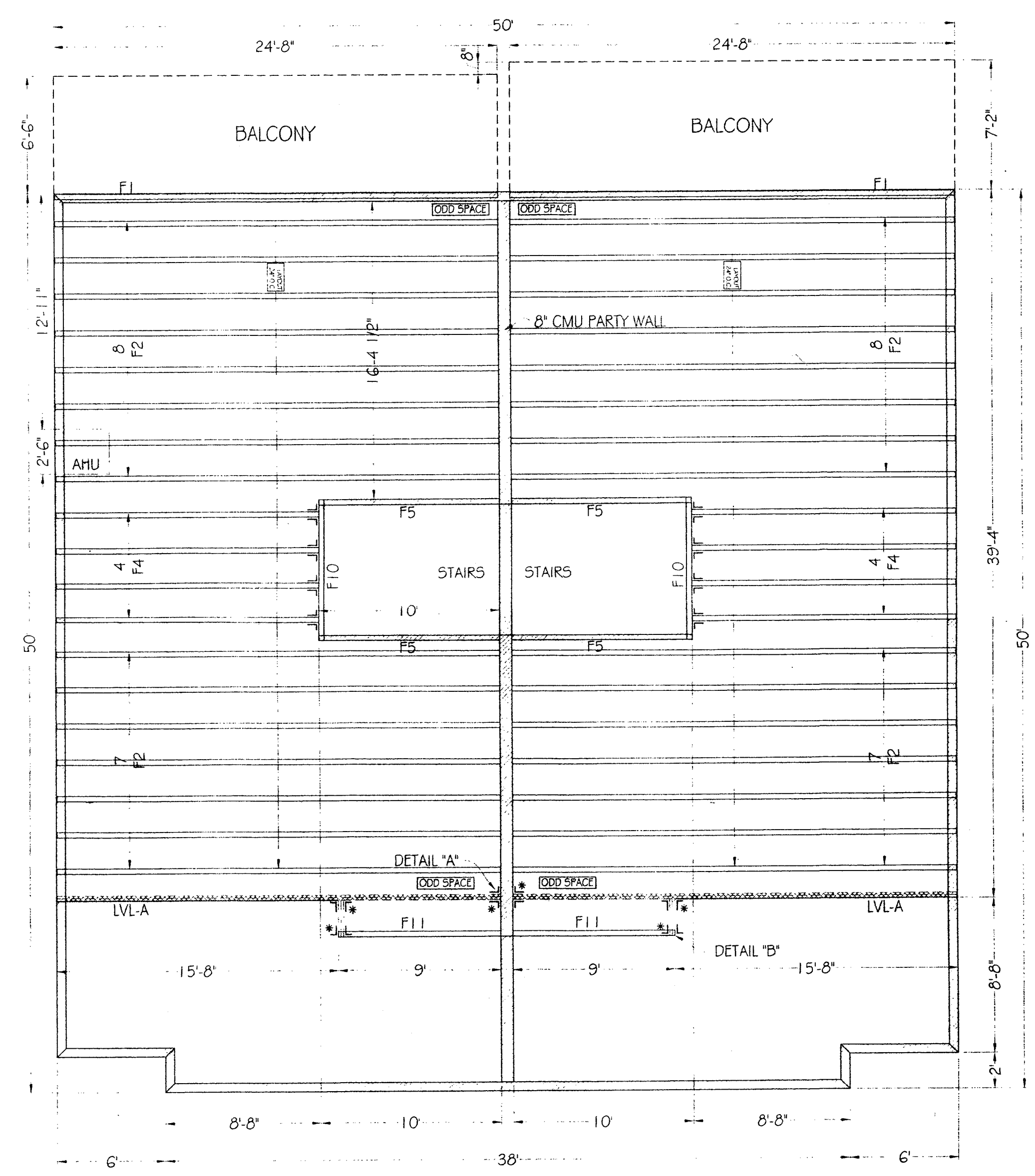


CAUTION:
 Strong-backs shall be a min. 2X6, and shall be attached w/ a min. of three 16d nails to a 2X4 vertical web. Strong-backs shall be in contact with the bottom chord. In the absence of a vertical web, a 2x4 scab vertical shall be secured at the top and bottom chords with a min. of two 16d nails at each end. Strong-backs shall be placed by the installer as stipulated in the truss drawing, unless otherwise specified by the truss design engineer.
 The application of strong-backs as illustrated will aid in reducing localized deflections and bounce, when used in a floor system. Strong-backs add a load sharing capability to the system and act as a continuous lateral bracing for the bottom chord of the trusses.

- "ATTENTION"**
- LIMITED RESPONSIBILITY OF ROOF TRUSS MANUFACTURER. SEE WTCA 1-1995 SECTION 6.0, FOUND IN DESIGN MANUAL.
 - WARNING FAILURE TO FOLLOW RECOMMENDATIONS IN "HIB-91" MAY RESULT IN SERIOUS INJURY, LOSS OF LIFE OR PROPERTY DAMAGE.
 - CUSTOMER TO VERIFY ALL DIMENSIONS, BEARING HEIGHTS, PITCHES AND ALL INFORMATION REGARDING THE DESIGN AND FABRICATION OF TRUSS SYSTEM.
 - DO NOT CUT TRUSSES. ADJUST SPACING AS REQUIRED FOR PLUMBING DROPS. MAXIMUM SHIFT OF TRUSS IS 3-1/2" IN EITHER DIRECTION.
 - DO NOT OVERLOAD TRUSSES w/ SHEETROCK / SHEATHING OR OTHER BUILDING MATERIALS.
 - TRUSSES ARE NOT MARKED IN ANY WAY TO IDENTIFY THE FREQUENCY, OR LOCATION OF TEMPORARY ERECTION BRACING. ALL TEMPORARY BRACING SHALL COMPLY WITH THE LATEST EDITION OF HIB-91 PUBLISHED BY THE TRUSS PLATE INSTITUTE FOUND IN THE DESIGN MANUAL.
 - NON-LOAD BEARING WALLS TO BE SINGLE TOP PLATED, TO PREVENT LOAD TRANSFER TO THESE WALLS. A 1x4 MAY BE USED AS SECOND TOP PLATE AS LONG AS A MIN. 3/4" CLEARANCE IS MAINTAINED.



2nd FLOOR



3rd FLOOR

WHITCRAFT BUILDERS
 SATELLITE BEACH PROJECT

Ridgway Roof Truss Company
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REVISION	DATE	REVISION
1		
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SALESMAN: MIKE WELDON
 CAD: CHRIS
 DATE: 3-23-04
 DESIGN: BRAD
 JOB #: 04427
 FILE: K:\0004\04427.dwg