

PROPOSED CPA OFFICE
2393 FLYING HORSE CLUB DRIVE



PROJECT TEAM

OWNER
JASON AND TINA WATSON
THE WATSON CPA GROUP
9475 BRIAR VILLAGE POINT, SUITE 325
COLORADO SPRINGS, CO 80920
(719) 387-9800, OFFICE
(719) 641-0201 JASON CELL

ARCHITECT
BUCHER DESIGN STUDIO, INC.
BRIAN K. BUCHER, AIA, NCARB
P.O. BOX 5
PALMER LAKE, CO 80133
(719) 484-0480

STRUCTURAL ENGINEER
TBD

CIVIL
CLASSIC CONSULTING
ENGINEERING AND SURVEYORS
619 N. CASCADE AVE.
SUITE 200
COLORADO SPRINGS, CO 80903
(719) 785-0790

MP ENGINEER
TBD

ELECTRICAL ENGINEER
TBD

LANDSCAPE ARCH.
NES, INC.
619 NORTH CASCADE AVE.
SUITE 200
COLORADO SPRINGS, CO 80903
(719) 471-0073

CONTRACTOR
MIKE CASMIRO
CASCO CONSTRUCTION
1775 JET STREAM DRIVE, SUITE 102
COLORADO SPRINGS, CO 80921
(719) 380-1140 OFFICE
(719) 287-8377 CELL

Copyright © 2018
All these, designs, arrangements and plans
indicated or represented by this drawing are
owned by and the property of BUCHER DESIGN
STUDIO and were created, written and developed
for use on, and in connection with, the specified
project. None of such these, designs,
arrangements or plans shall be used by, or
disclosed to any person, firm or corporation for
any purpose whatsoever without the written
permission of BUCHER DESIGN STUDIO.

BUCHER
DESIGN STUDIO
architecture • planning

300 General Palmer Drive
P.O. Box 5
Palmer Lake, CO 80133
(719) 484-0480
Brian K. Bucher, AIA
Architect
CO license no. C-4889
CA license no. C 23506

PROJECT DATA

PROJECT ADDRESS: 2393 FLYING HORSE CLUB DRIVE
COLORADO SPRINGS, CO 80920

TAX SCHEDULE NO: 6209108010

LEGAL DESCRIPTION: LOT 1 FLYING HORSE NO 25 A FIL
NO 1

CITY ZONING: OC UV

JURISDICTION: PIKES PEAK REGIONAL BUILDING
DEPARTMENT

PROJECT DESCRIPTION: NEW SINGLE STORY COMMERCIAL OFFICE
WITH PARTIAL BASEMENT

LOT SIZE: 62726 SF, (144 ac)

PROJECT AREA: 4969 SF. MAIN
1483 SF. BASEMENT
120 SF. STAIR
TOTAL: 6542

PARKING REQUIREMENTS: 6542 SF / 400 SF PER SPACE
= 17 SPACES REQUIRED

51 SPACES PROVIDED
49 STANDARD SPACES + 2 HC.

A PROPOSED
CPA OFFICE
FOR

WATSON
CPA
GROUP

2393 FLYING HORSE CLUB DR.
COLORADO SPRINGS, CO

Sheet Title:
**SITE PLAN/
COVER
SHEET**

Drawing Status:
**CD SET
PRELIMINARY**

NOT FOR CONSTRUCTION

Revisions:
No. Description By Date

Δ 1

Date: 07/31/18

Drawn by:

Checked by:

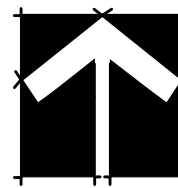
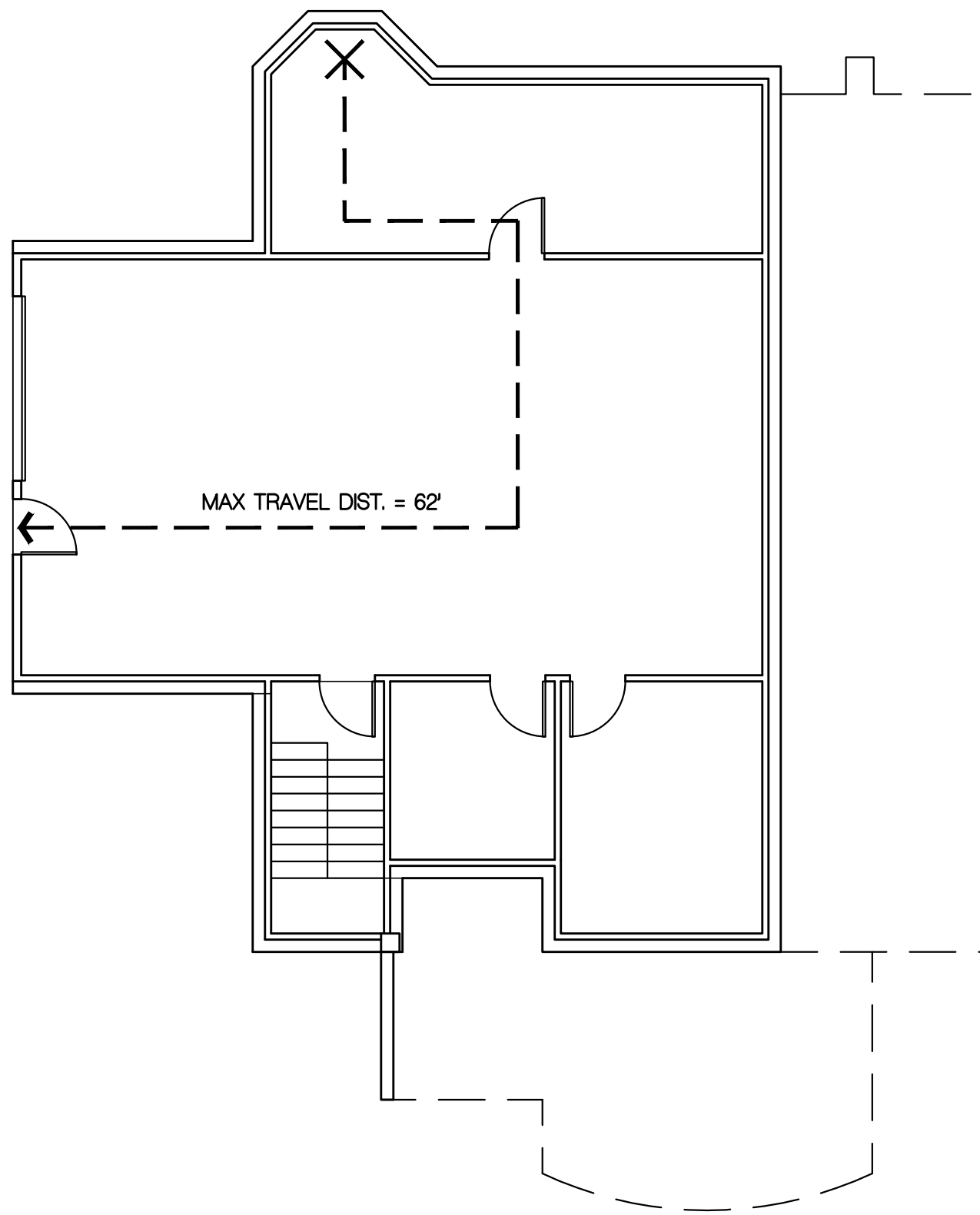
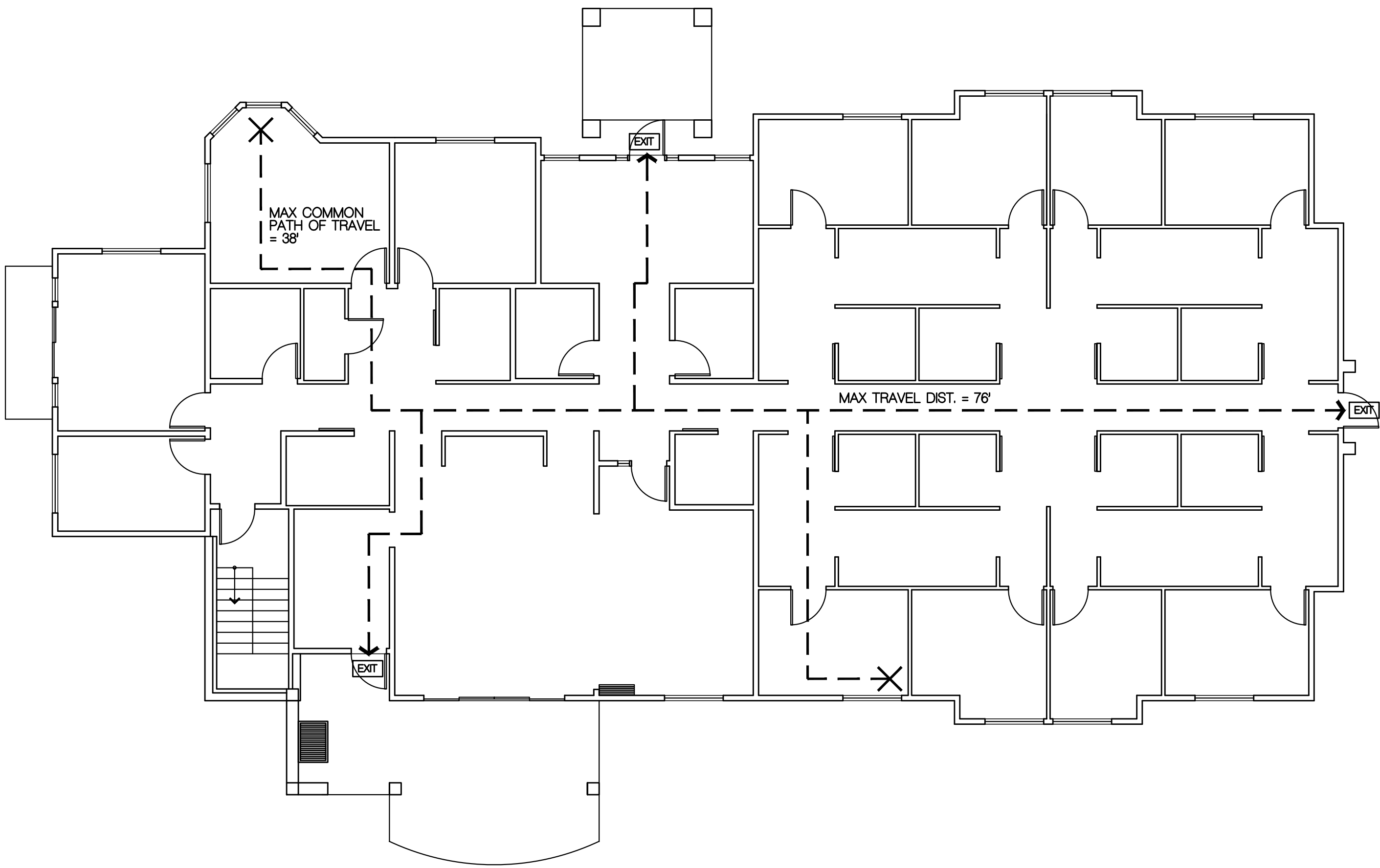
Scale: AS NOTED

Job No.:

Sheet No.:

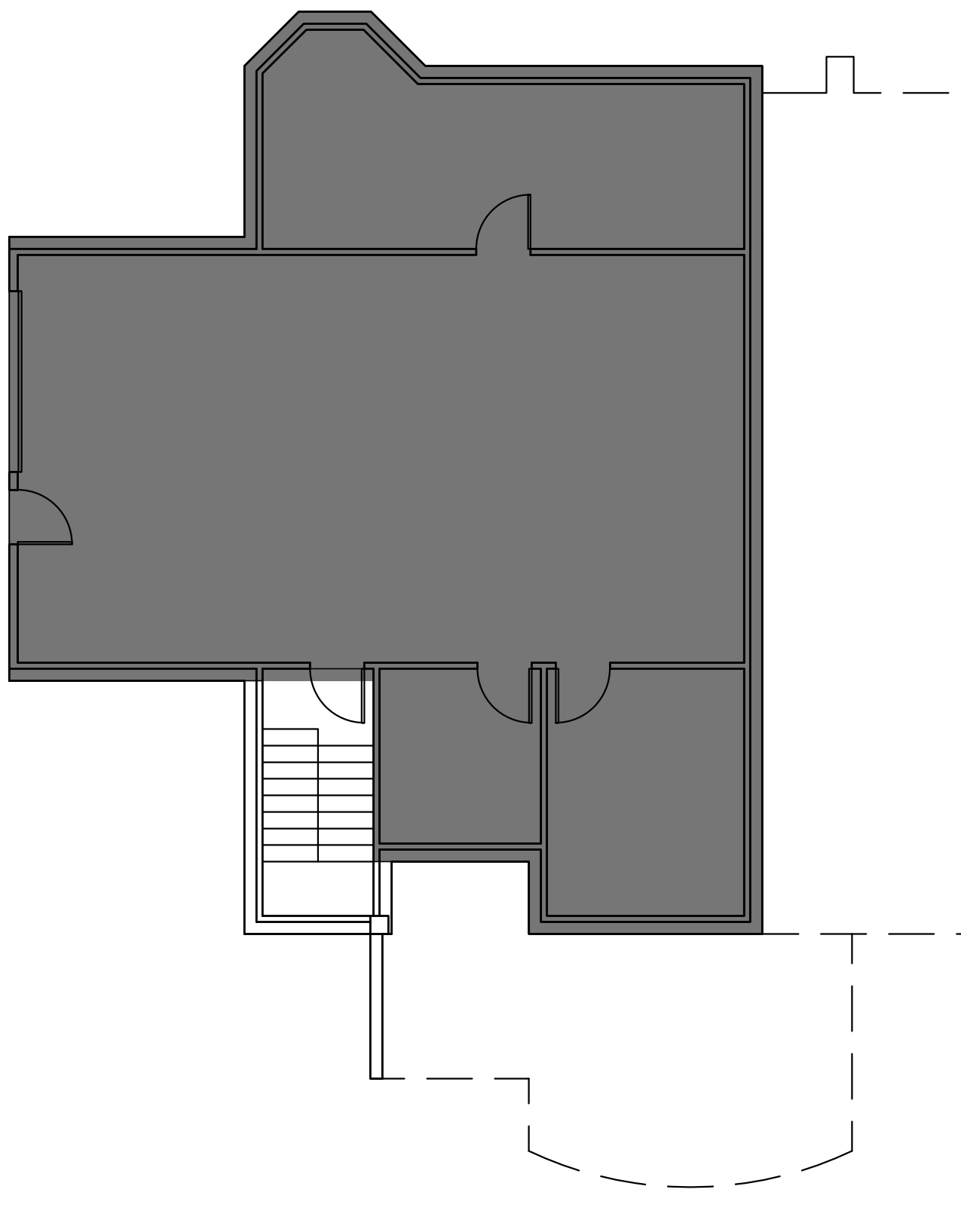
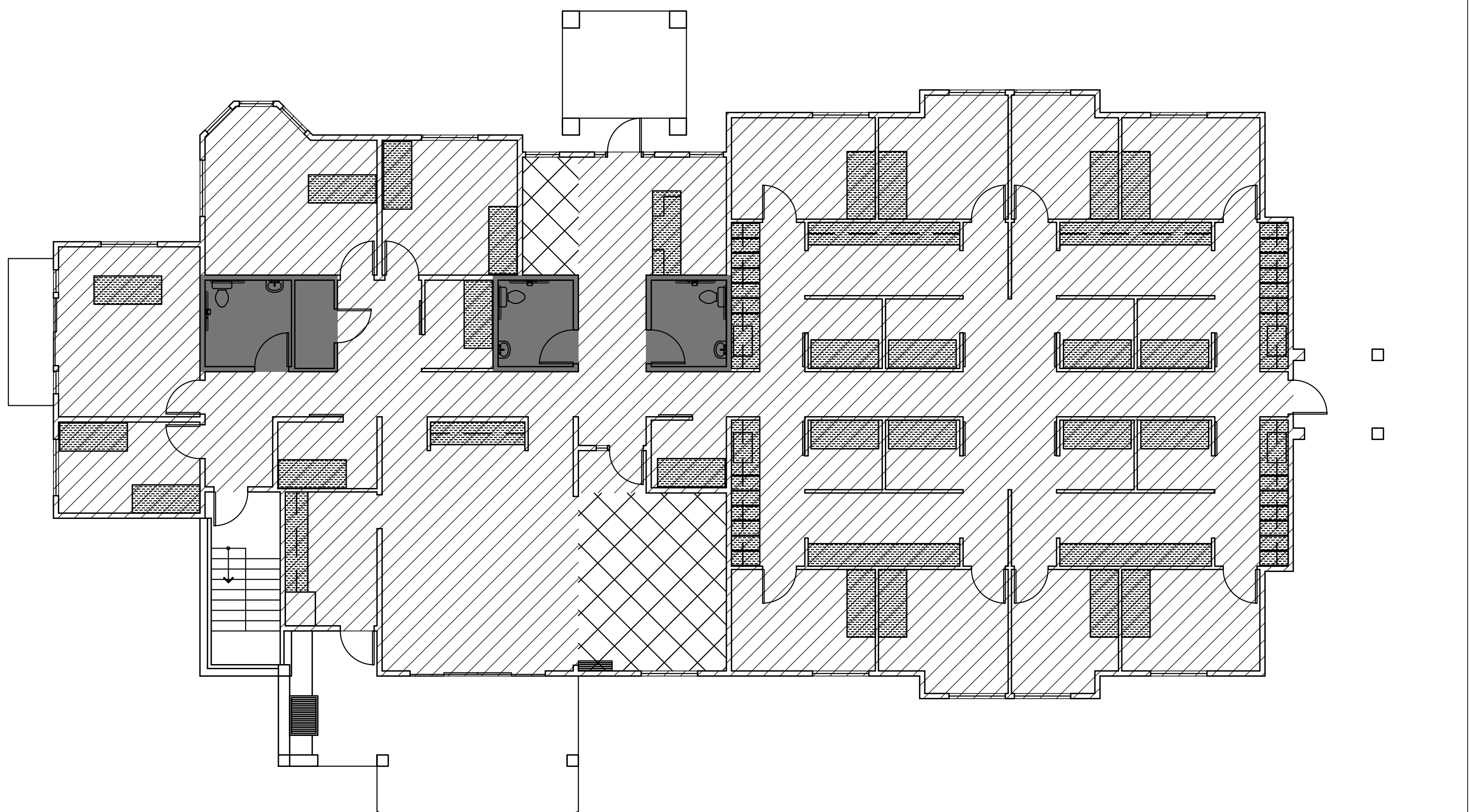
CS
Of





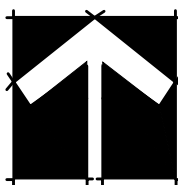
LIFE SAFETY PLANS

SCALE 1/8" = 1'



LEGEND

- A-3 = 259 SF.
1/15 = 17.3
- ▨ B = 4445 SF.
1/100 = 44.5
- BUILT IN CASEWORK
USED FOR DESIGN
OCCUPANT LOAD
REDUCTION = 633 SF.
- STORAGE / MECH /
BASEMENT / STAIR = 1838 SF.
1/1000 = 18
- 636 = 64



OCCUPANT LOAD CALC.

SCALE 1/8" = 1'

BUILDING CODE DATA

PROJECT DESCRIPTION:	PROPOSED CPA OFFICE BUILDING
PROJECT AREA:	6542
MAIN	4939
BASEMENT	1483
STAIR	120
OCCUPANCY GROUP:	B / S-2
CONSTRUCTION TYPE:	V-B
RATED CONSTRUCTION:	NOT REQUIRED
SPRINKLERED:	NO
OCCUPANCY SEPARATION:	NON-SEPARATED USES
ALLOWABLE HEIGHT:	40' / 2 STORY
PROPOSED HEIGHT:	24' - 6" / 1 STORY W/ PARTIAL BASEMENT
ALLOWABLE AREA CALC:	9000 SF. (B OCC. TYPE V-B) 13500 SF. (S-2 OCC. TYPE V-B)
MAX ALLOWABLE AREA/FLR:	9000 SF.
PROPOSED MAIN FLR. AREA:	4939 SF.
PROPOSED BASEMENT FLR. AREA:	1483 SF.

OCCUPANT LOAD

OCCUPANT LOAD CALC:	
MAIN FLOOR	
4680 SF OFFICE (B) / 100	= 46.8
259 SF. ASSEMBLY (A-3) / 15	=17.3
BASEMENT	
1483 SF. STORAGE (S-2) / 1000	=15
TOTAL OCC. LOAD = 66 OCCUPANTS	
EGRESS REQUIREMENTS:	
FOR OCCUPANT LOADS >49 EXITS REQUIRED: PER 2009 IBC TABLE 1015.1	2
EXITS PROVIDED UPPER FLOOR:	3
EXITS PROVIDED BASEMENT:	1
EGRESS DOORS SHALL BE 36" MIN. WIDE	
FACILITY ACCESSIBILITY:	PER ANSI 117.1 ACCESSIBILITY STANDARD
MAX. COMMON PATH OF TRAVEL:	75'-0"
PROPOSED COMMON PATH OF TRAVEL:	34'-0"
MAX. EXIT TRAVEL DISTANCE:	200'-0"
PROPOSED EXIT TRAVEL DISTANCE:	76'-0"

PLUMBING FIXTURES

PLUMBING FIXTURE OCCUPANT LOAD CALC.

6542 TOTAL BUILDING SQUARE FEET
4445 SF. OFFICE SPACE (B) / 100 (44.4 OC)
259 SF. ASSEMBLY SPACE (A-3) / 15 (17.3 OC)
1838 SF. STORAGE / MECH. / BATHROOM / STAIR 0 OCCUPANCY (0 OC)
TOTAL OCCUPANCY FOR PLUMBING CALC: 62

PLUMBING FIXTURES REQUIRED FOR B OCCUPANCY (45 OCCUPANTS)

FIXTURES	REQUIRED
50% MALE, 50% FEMALE	23 M / 23 F
WC: 1 PER 25 <50 THEN	.92 M / .92 F
1 PER 50 FOR REMAIN.	>50

LAV: 1 PER 40 <80 THEN	.6 M / .6 F
1 PER 80 FOR REMAIN.	>80
DF: 1 PER 100	.45

SERVICE SINK: 1

PLUMBING FIXTURES REQUIRED FOR A-3 OCCUPANCY (18 OCCUPANTS)

FIXTURES	9 M / 9 F
50% MALE, 50% FEMALE	.07 / .14
WC: 1 PER 125 / 1 PER 65	

LAV: 1 PER 200 .05 / .05

DF: 1 PER 500 .04

SERVICE SINK: 1

TOTAL FIXTURES REQUIRED BASED ON B AND A-3 RATIO CALCULATIONS ABOVE

FIXTURES	REQUIRED	PROVIDED
50% MALE, 50% FEMALE	M / F	M / F
WC:	2 / 2	2 / 2
LAV:	1 / 1	1 / 1
DRINK, FTN:	1	1
SERVICE SINK	1	1

Copyright © 2018

All these, designs, arrangements and plans indicated or represented by this drawing are owned by and the property of BUCHER DESIGN STUDIO and were created, written and developed for use on, and in connection with, the specified project. None of such these, designs, arrangements or plans shall be used by, or disclosed to any person, firm or corporation for any purpose whatsoever without the written permission of BUCHER DESIGN STUDIO.



BUCHER
DESIGN STUDIO
architecture • planning

300 General Palmer Drive
P.O. Box 5
Palmer Lake, CO 80133
(719) 484-0480

Brian K. Bucher, AIA
Architect
CO license no. C-4889
CA license no. C 23506

A PROPOSED
CPA OFFICE
FOR

WATSON
CPA
GROUP

2308 FLYING HORSE CLUB DR.
COLORADO SPRINGS, CO

Sheet Title:

SITE PLAN/
COVER
SHEET

Drawing Status:

CD SET
PRELIMINARY

NOT FOR CONSTRUCTION

Revisions:

No. Description By Date

△: . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .

. . .



Brian K. Bucher, AIA
Architect
CO license no. C-4889
CA license no. C 23506

WATSON
CPA
GROUP

Sheet Title:

**MAIN
FLOOR
PLAN**

Drawing Status:

CD SET
PRELIMINARY

NOT FOR CONSTRUCTION

Revisions:

No.	Description	By	Date
-----	-------------	----	------

Date: 07/31/18

Drawn by:

Checked by:

Scale:

Job No.:

Sheet No.:

A1.2
Of .

TYP. EXTERIOR WALL CONST: 2-COAT
EXT. PLASTER SYSTEM + ENGRD. STON
PER MANUF. SPECS O/ AIR INFILTRATIO
BARRIER (TYVEK OR EQUIV) O/ EXT.
SHEATHING O/ 2x6 STUDS @ 16" O.C.
/ R-22 B.I. W/ 5/8" INT. GYP. BD. (SEE EXT.
ELEV. FINISH LOCATIONS/HT)

 NOT USED IN BASEMENT

NOT USED IN BASEMENT

NOT USED IN BASEMENT

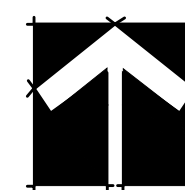
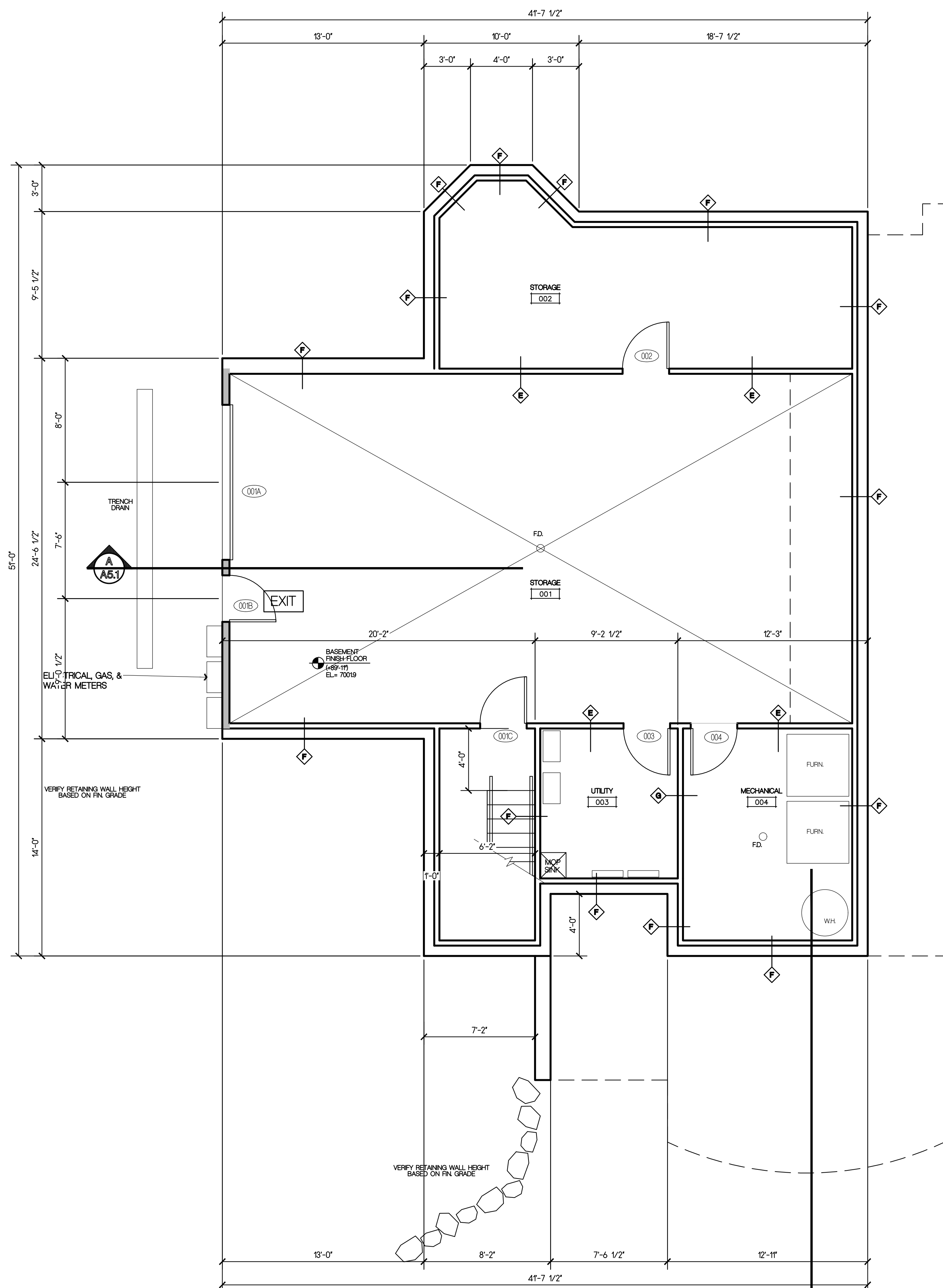
^ NOT USED IN BASEMENT

E PARTITION BEARING WALL: 5/8" GYP. BD. @
EA. SIDE 2X4" FULL HT. STUDS @ 16" O.C.
TO CENTER

F FURRING WALL: 5/8" GYP. BD. @ INT. FACE OF 2X4 FULL HT. STUDS @ 24" O.C. TO STRUCT. W/ FLOATING BASE PLT. (SEE STRUCTURAL)

g PARTITION WALL: 5/8" GYP. BD. @ EA. SIDE
2X4" FULL HT. STUDS TO STRUCT. W/
FLOATING BASE PLT.

 NOT USED IN BASEMENT

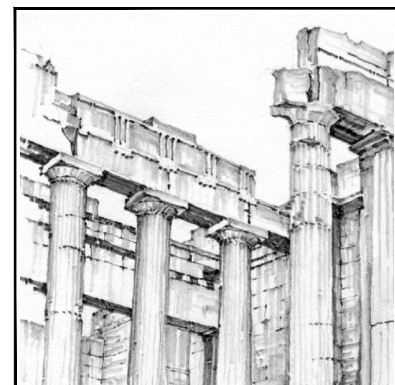


BASEMENT FLOOR PLAN

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

MAIN FLOOR G.S.F.: 4,960 S.F.
BASEMENT: 1,483 S.F.





BUCHER
DESIGN STUDIO

architecture • planning

300 General Palmer Drive
P.O. Box 5
Palmer Lake, CO 80133
(719) 484-0480

Brian K. Bucher, AIA
Architect

CO license no. C-4889
CA license no. C 23506

A PROPOSED
CPA OFFICE
FOR

WATSON
CPA
GROUP

2308 FLYING HORSE CLUB DR.
COLORADO SPRINGS, CO

Sheet Title:
**MAIN FLOOR
REFLECTED
CEILING PLAN**

Drawing Status:
**CD SET
PRELIMINARY**

NOT FOR CONSTRUCTION

Revisions:
No. Description By Date

1. : : :

Date: 07/31/18

Drawn by:

Checked by:

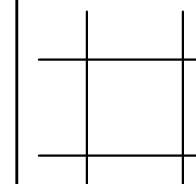
Scale: AS NOTED

Job No.:

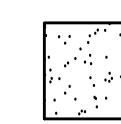
Sheet No.:

A2.1
of

RCP LEGEND



2X2 OR 2X4 SUSPENDED
CEILING GRID



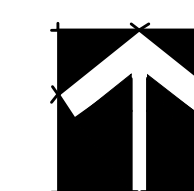
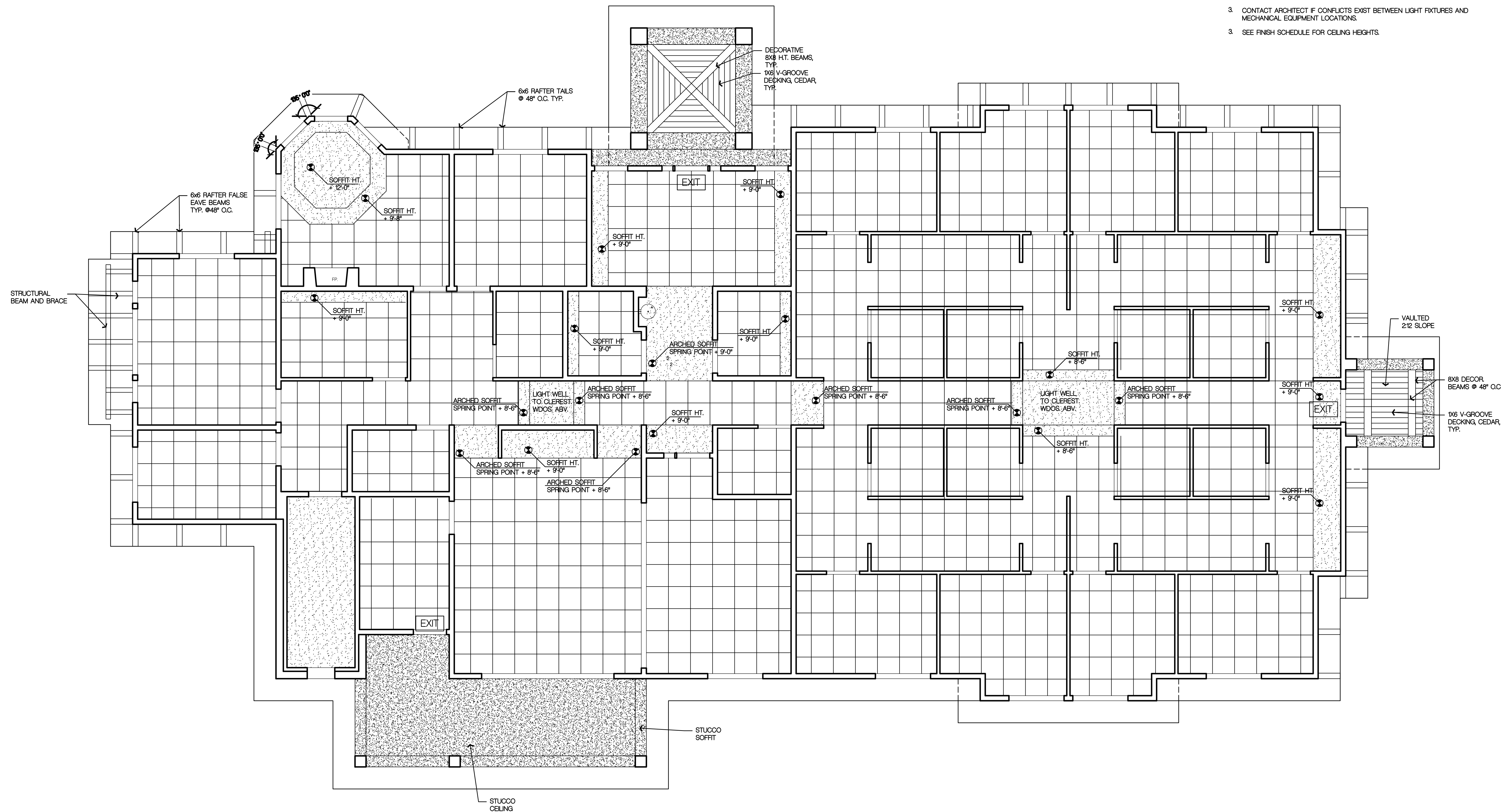
NEW GYPSUM BOARD
CEILING OR SOFFIT



NEW GYPSUM BOARD
CEILING OR SOFFIT

NOTES

- SEE ELECTRICAL FOR LIGHTING LAYOUT
- SEE MECHANICAL DRAWINGS FOR SUPPLY AIR DIFFUSERS AND RETURN AIR GRILLES.
- CONTACT ARCHITECT IF CONFLICTS EXIST BETWEEN LIGHT FIXTURES AND MECHANICAL EQUIPMENT LOCATIONS.
- SEE FINISH SCHEDULE FOR CEILING HEIGHTS.



MAIN FLOOR REFLECTED CEILING PLAN

SCALE 1/4"=1'-0"



Brian K. Bucher, AIA
Architect
CO license no. C-4889
CA license no. C 23506

WATSON
CPA
GROUP

Sheet Title:
**EXTERIOR
ELEVATIONS**

NOT FOR CONSTRUCTION

Revisions:

[illegible]

Drawn by:

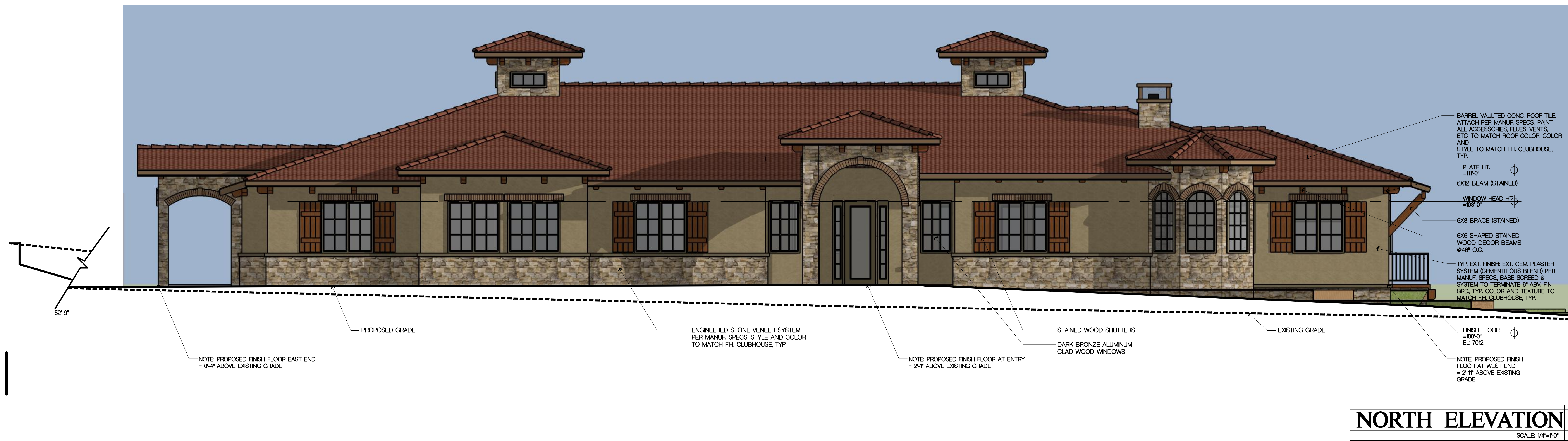
Scale:

Job No.:

Sheet No.:

A3.1
Of .

MAX HEIGHT LIMIT 45'
ABOVE EXISTING GRADE



NORTH ELEVATION

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



WEST ELEVATION

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



Brian K. Bucher, AIA
Architect
CO license no. C-4889
CA license no. C 23506

WATSON
CPA
GROUP

Sheet Title:
**EXTERIOR
ELEVATIONS**

NOT FOR CONSTRUCTION

Revisions:

[illegible]

Drawn by:

Scale:

Sheet No.:

A3.2
Of .





Brian K. Bucher, AIA
Architect
CO license no. C-4
CA license no. C 2

WATSON
CPA
GROUP

Sheet Title

SECTIONS

Drawing Status:
CD SET
PRELIMINARY

NOT FOR CONSTRUCTION

Revisions:

No.	Description	By
1	Initial Review	Author
2	Minor Revisions	Reviewer 1
3	Major Revisions	Reviewer 2
4	Final Review	Editor

[illegible][illegible][illegible]

--	--	--

[illegible]

Date:

Drawn by:

Checked by:

Scale:

Job No.:

Sheet No.:

	1999	2000
1. <i>Chlamydia trachomatis</i>	100	100
2. <i>Neisseria meningitidis</i>	100	100
3. <i>Neisseria gonorrhoeae</i>	100	100
4. <i>Streptococcus pneumoniae</i>	100	100
5. <i>Haemophilus influenzae</i>	100	100
6. <i>Legionella pneumophila</i>	100	100
7. <i>Salmonella enteritidis</i>	100	100
8. <i>Escherichia coli</i>	100	100
9. <i>Staphylococcus aureus</i>	100	100
10. <i>Pseudomonas aeruginosa</i>	100	100
11. <i>Mycobacterium tuberculosis</i>	100	100
12. <i>Candida albicans</i>	100	100
13. <i>Aspergillus fumigatus</i>	100	100
14. <i>Cryptosporidium parvum</i>	100	100
15. <i>Toxoplasma gondii</i>	100	100
16. <i>Giardia lamblia</i>	100	100
17. <i>Isospora belli</i>	100	100
18. <i>Cyclospora cayentensis</i>	100	100
19. <i>Microsporidium</i>	100	100
20. <i>Trichinella spiralis</i>	100	100
21. <i>Strongyloides stercoralis</i>	100	100
22. <i>Enterobacteriaceae</i>	100	100
23. <i>Shigella</i>	100	100
24. <i>Yersinia enterocolitica</i>	100	100
25. <i>Yersinia pseudotuberculosis</i>	100	100
26. <i>Yersinia enterocolitica</i>	100	100
27. <i>Yersinia enterocolitica</i>	100	100
28. <i>Yersinia enterocolitica</i>	100	100
29. <i>Yersinia enterocolitica</i>	100	100
30. <i>Yersinia enterocolitica</i>	100	100
31. <i>Yersinia enterocolitica</i>	100	100
32. <i>Yersinia enterocolitica</i>	100	100
33. <i>Yersinia enterocolitica</i>	100	100
34. <i>Yersinia enterocolitica</i>	100	100
35. <i>Yersinia enterocolitica</i>	100	100
36. <i>Yersinia enterocolitica</i>	100	100
37. <i>Yersinia enterocolitica</i>	100	100
38. <i>Yersinia enterocolitica</i>	100	100
39. <i>Yersinia enterocolitica</i>	100	100
40. <i>Yersinia enterocolitica</i>	100	100
41. <i>Yersinia enterocolitica</i>	100	100
42. <i>Yersinia enterocolitica</i>	100	100
43. <i>Yersinia enterocolitica</i>	100	100
44. <i>Yersinia enterocolitica</i>	100	100
45. <i>Yersinia enterocolitica</i>	100	100
46. <i>Yersinia enterocolitica</i>	100	100
47. <i>Yersinia enterocolitica</i>	100	100
48. <i>Yersinia enterocolitica</i>	100	100
49. <i>Yersinia enterocolitica</i>	100	100
50. <i>Yersinia enterocolitica</i>	100	100
51. <i>Yersinia enterocolitica</i>	100	100
52. <i>Yersinia enterocolitica</i>	100	100
53. <i>Yersinia enterocolitica</i>	100	100
54. <i>Yersinia enterocolitica</i>	100	100
55. <i>Yersinia enterocolitica</i>	100	100
56. <i>Yersinia enterocolitica</i>	100	100
57. <i>Yersinia enterocolitica</i>	100	100
58. <i>Yersinia enterocolitica</i>	100	100
59. <i>Yersinia enterocolitica</i>	100	100
60. <i>Yersinia enterocolitica</i>	100	100
61. <i>Yersinia enterocolitica</i>	100	100
62. <i>Yersinia enterocolitica</i>	100	100
63. <i>Yersinia enterocolitica</i>	100	100
64. <i>Yersinia enterocolitica</i>	100	100
65. <i>Yersinia enterocolitica</i>	100	100
66. <i>Yersinia enterocolitica</i>	100	100
67. <i>Yersinia enterocolitica</i>	100	100
68. <i>Yersinia enterocolitica</i>	100	100
69. <i>Yersinia enterocolitica</i>	100	100
70. <i>Yersinia enterocolitica</i>	100	100
71. <i>Yersinia enterocolitica</i>	100	100
72. <i>Yersinia enterocolitica</i>	100	100
73. <i>Yersinia enterocolitica</i>	100	100
74. <i>Yersinia enterocolitica</i>	100	100
75. <i>Yersinia enterocolitica</i>	100	100
76. <i>Yersinia enterocolitica</i>	100	100
77. <i>Yersinia enterocolitica</i>	100	100
78. <i>Yersinia enterocolitica</i>	100	100
79. <i>Yersinia enterocolitica</i>	100	100
80. <i>Yersinia enterocolitica</i>	100	100
81. <i>Yersinia enterocolitica</i>	100	100
82. <i>Yersinia enterocolitica</i>	100	100
83. <i>Yersinia enterocolitica</i>	100	100
84. <i>Yersinia enterocolitica</i>	100	100
85. <i>Yersinia enterocolitica</i>	100	100
86. <i>Yersinia enterocolitica</i>	100	100
87. <i>Yersinia enterocolitica</i>	100	100
88. <i>Yersinia enterocolitica</i>	100	100
89. <i>Yersinia enterocolitica</i>	100	100</

14

1. **Answer:** **100%**

Of

- 1) 1 1/8" T-G PLWLD. SCHEDULE SCREWED + GULLED @ EGNRPD. JSTS. @ 16" O.C.
TYP. REF: FINISH SPECIFICATIONS FOR FLOOR FINISH
- 2) 5/8" GP. BD. TYP. INT. FINISH AT WALLS UNDO, PROVIDE WR. GP. BD. AT ALL LOCATIONS SUBJECT TO HIGH MOISTURE CONDITIONS. TYP.
- 3) TYP. ROOFING CONC. ROOF TILE. INSTALL PER MANUF. SPECS., PAINT ALL ACCESSORIES, FLINGS, VENTS, ETC. TO MATCH ROOF COLOR
- 4) PRE-MANUF./ PRE-ENG'D. WD. RF. TRUSSES @ 24" O.C.
- 5) R-38 MIN. BLOW-IN INSUL., TYP. AT ATTIC
- 6) PROVIDE ICE + WATER SHIELD @ VALLEYS AND ROOF TO WALL INTERSECTIONS. TYP.
- 7) PROVIDE PRE-FIN 8" OGEE STYLE GUTTER @ 3" X 8" FASQO @ 2X4 SLOPE. TYP. SIZE DOWNSPUTS PER MANUF. SPECS. AND LOCAL CODES, VERIFY LOCATIONS WITH OWNER. TYP.
- 8) TYP. EXTERIOR WALL CONST: 2-COAT EXT. PLASTER SYSTEM PER MANUF. SPECS. @ STRUCTURAL/ INSULATED 1/2" WALL SHEATHING WITH AIR IMBILITATION BARRIER (TYVEK OR EQUAL) @ 2/6 STUDS @ 16" O.C. W/ R-21 BL W/ 5" INT. GP. BD.
- 9) PERIMETER FDN. DRAIN PER SOILS REPORT, EXTEND ELASTOMERIC W/P. MEMBRANE TO FINISH GRADE, TYP. VERIFY POINT OF DAY- LIGHT OR TERMINATION DRAIN OR CONNECTION TO STORM DRAIN
- 10) SLOPE FIN. GRADE PER GRADING PLAN / SOILS REPORT, TYP.
- 11) VERIFY FDN. DESIGN BY OTHERS
- 12) SUSPENDED CEILING GRID W/ LAY-IN ACOUSTICAL TILE, REF: REFLECTED CEILING PLANS SHEETS A21 & A22
- 13) THRESHOLD SHALL BE ADA COMPLIANT, MAX 3/4" TRANSITION
- 14) ENGINEERED FLOOR VENEER PER MANUFACTURER SPECS.
- 15) 8'-0" TALL PARTITION WALLS BEYOND
- 16) 4" CONCRETE SLAB, REF. STRUCTURAL



