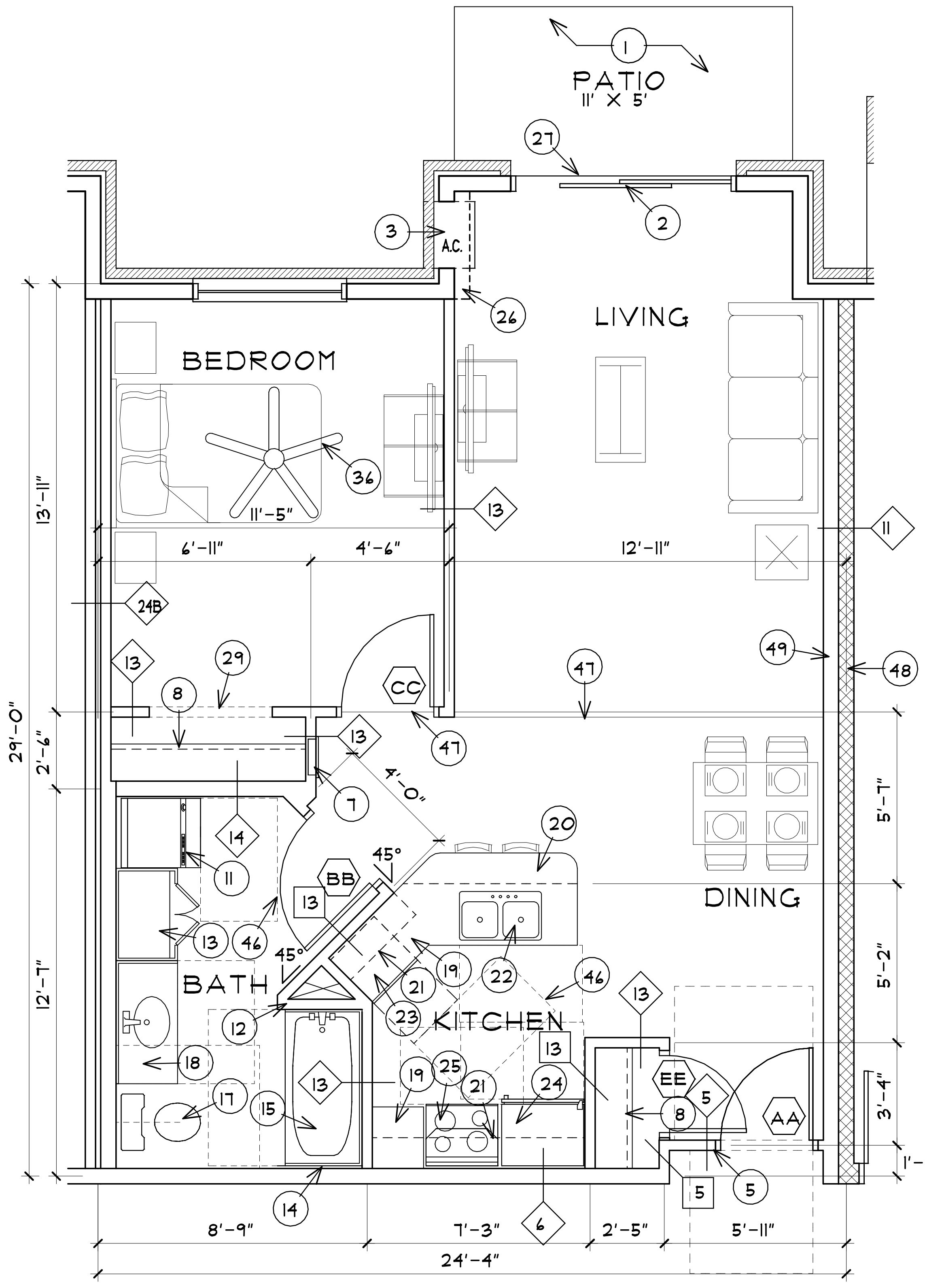
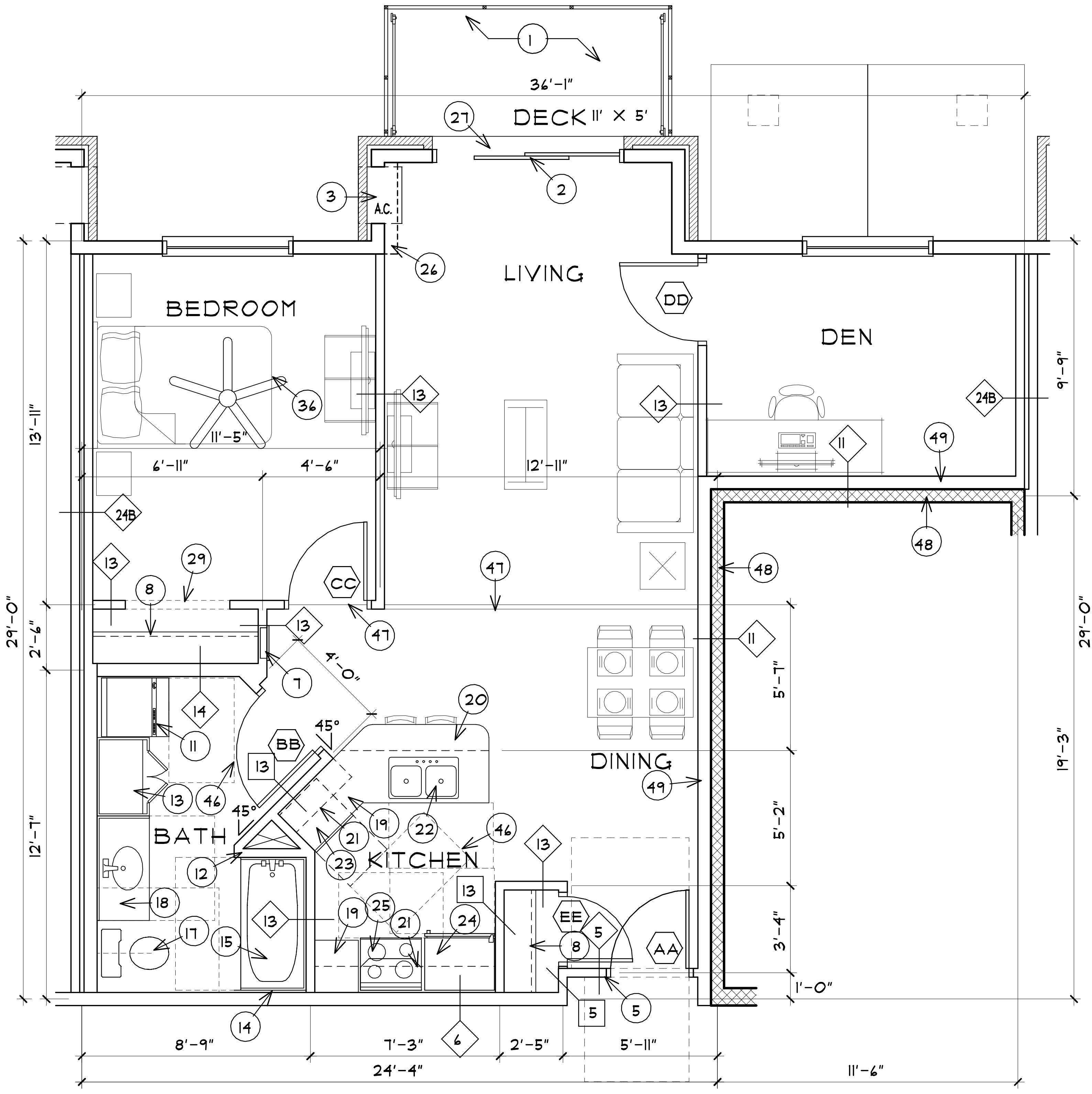

1
PATIO
11' X 5'
27
2
3
A.C.
26
LIVING
BEDROOM
36
11'-5"
13
11
6'-11"
4'-6"
12'-11"
24B
13
29
8
CC
47
49
48
13
7
4'-0"
14
11
BB
45°
13
46
20
DINING
13
45°
19
21
22
BATH
23
KITCHEN
46
12
13
18
13
EE
5
19
25
21
24
17
15
8
AA
14
6
5
5
8'-9"
7'-3"
2'-5"
5'-11"
24'-4"
13'-11"
29'-0"
2'-6"
12'-7"
5'-7"
5'-2"
3'-4"
1'-0"

ONE BEDROOM UNIT "A"

SCALE: 1/4" = 1'-0" TYPE "B" 5 TOTAL @ 742 S.F.


1
36'-1"
DECK 11' X 5'
27
2
3
A.C.
26
LIVING
DD
DEN
BEDROOM
36
11'-5"
13
13
24B
11
49
6'-11"
4'-6"
12'-11"
24B
48
13
29
8
CC
47
48
47
13
7
4'-0"
11
14
11
BB
45°
20
13
46
DINING
49
45°
19
22
BATH
21
46
23
KITCHEN
13
12
18
13
13
EE
19
25
21
24
5
17
15
8
AA
14
6
5
5
8'-9"
7'-3"
2'-5"
5'-11"
24'-4"
11'-6"
13'-11"
29'-0"
2'-6"
12'-7"
5'-7"
5'-2"
3'-4"
1'-0"
9'-9"
19'-3"

ONE BEDROOM UNIT "A.1"

SCALE: 1/4" = 1'-0" TYPE "B" 6 TOTAL @ 857 S.F.

GENERAL NOTES:

A) VERIFY ROOM FINISHES AND COLOR SELECTIONS w/ G.C./OWNER.

B) HVAC CONTRACTOR TO PROVIDE ACCESSIBLE HEIGHT MOUNTED THERMOSTAT AT ALL UNITS.

C) ALL BEDROOM WINDOWS TO MEET MIN. EGRESS REQUIREMENTS.

D) PROVIDE 110 OUTLET IN LAUNDRY CLOSET VERIFY LOCATION w/G.C.

E) VERIFY ALL ROUGH OPENINGS DIMENSIONS w/SHOP DRAWINGS.

F) VERIFY ALL FIXTURE & APPLIANCE REQUIREMENTS W/ OWNER.

G) KITCHEN, BATHS & LAUNDRY CLOSETS TO HAVE SHEET VINYL FLOORING AND WOOD BASE. VERIFY W/ OWNER.

H) BEDROOM & LIVING ROOM TO HAVE CARPET FLOORING AND WOOD BASE. VERIFY W/ OWNER.

I. PROVIDE WINDOW FALL PREVENTION DEVICES THAT COMPLY WITH ASTM F 2090 OR SASH LIMITERS THAT PROVIDE AN OPENING NOT MORE THAN 4" FOR OPERABLE WINDOWS OVER 6'-0" ABOVE GRADE THAT ARE LESS THAN 36" A.F.F.

J) PROVIDE SMOKE DETECTORS PER CODE. VERIFY LOCATION W/ FIRE MARSHALL.

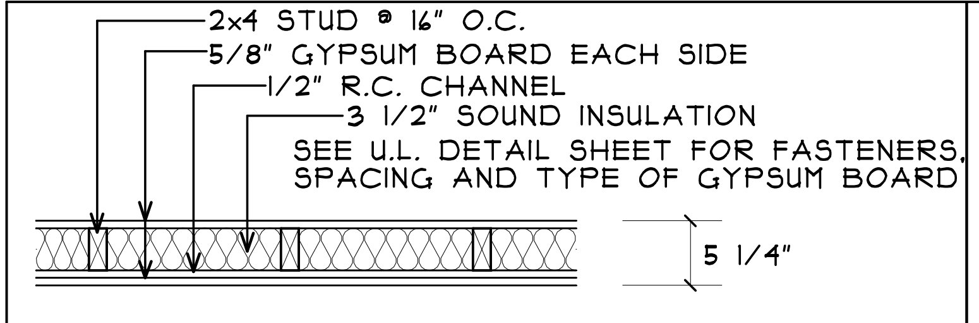
K) ALL DOORS TO BE LEVER TYPE.

L) VERIFY ALL SPECIALTY EQUIPMENT W/ G.C.

M) ALL CLOTHES WASHERS TO BE INSTALLED TO THE LEFT OF THE CLOTHES DRYER.

N) ALL UNIT CABINETS TO HAVE HARDWARE. VERIFY STYLE W/ OWNER.

O) EACH UNIT TO HAVE SEPARATE ELECTRICAL METER.


2x4 STUD @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
1/2" R.C. CHANNEL
3 1/2" SOUND INSULATION
SEE U.L. DETAIL SHEET FOR FASTENERS, SPACING AND TYPE OF GYPSUM BOARD
5 1/4"

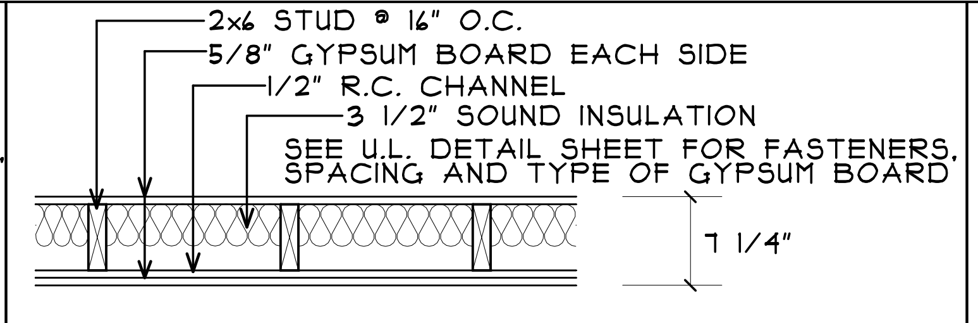
⑤ WALL TYPE

SCALE: 3/4"=1'-0"

S.T.C. - 50

RATING - 1 HOUR (LOAD BEARING)

U.L. DESIGN NO. U305


2x6 STUD @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
1/2" R.C. CHANNEL
3 1/2" SOUND INSULATION
SEE U.L. DETAIL SHEET FOR FASTENERS, SPACING AND TYPE OF GYPSUM BOARD
7 1/4"

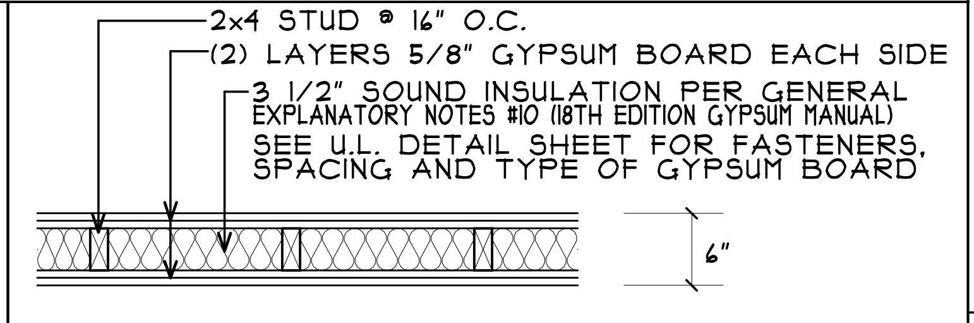
⑥ WALL TYPE

SCALE: 3/4"=1'-0"

S.T.C. - 50

RATING - 1 HOUR (LOAD BEARING)

U.L. DESIGN NO. U305


2x4 STUD @ 16" O.C.
(2) LAYERS 5/8" GYPSUM BOARD EACH SIDE
3 1/2" SOUND INSULATION PER GENERAL EXPLANATORY NOTES #10 (18TH EDITION GYPSUM MANUAL)
SEE U.L. DETAIL SHEET FOR FASTENERS, SPACING AND TYPE OF GYPSUM BOARD
6"

⑪ WALL TYPE

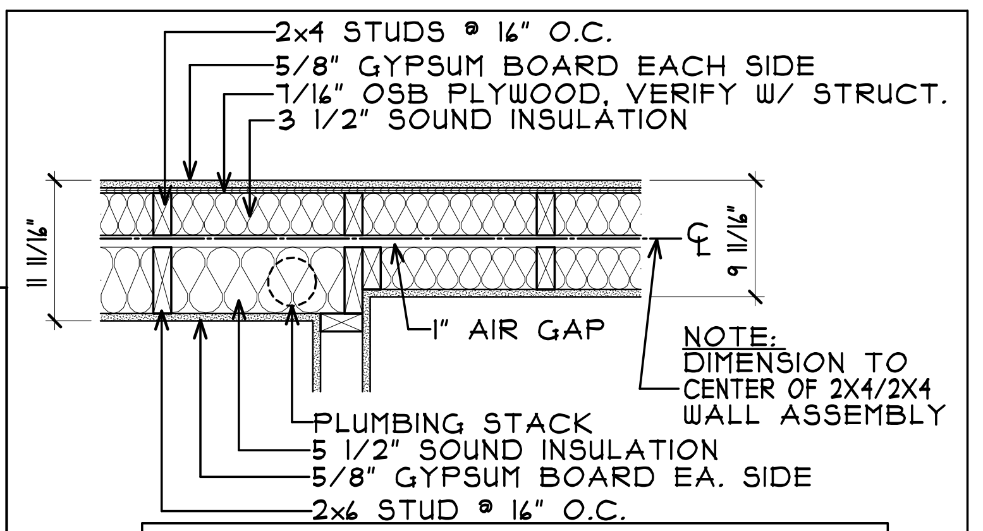
SCALE: 3/4"=1'-0"

S.T.C. - 48

RATING - 2 HOUR (LOAD BEARING)

U.L. DESIGN NO. U301

G.A. DESIGN NO. WP 4135


2x4 STUDS @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
7/16" OSB PLYWOOD, VERIFY W/ STRUCT.
3 1/2" SOUND INSULATION
11 11/16"
9 11/16"
CL
1" AIR GAP
NOTE: DIMENSION TO CENTER OF 2X4/2X4 WALL ASSEMBLY
PLUMBING STACK
5 1/2" SOUND INSULATION
5/8" GYPSUM BOARD EA. SIDE
2x6 STUD @ 16" O.C.

NOTE: PROVIDE FIREBLOCKING & DRAFTSTOPPING PER DETAILS 9 & 10/A801

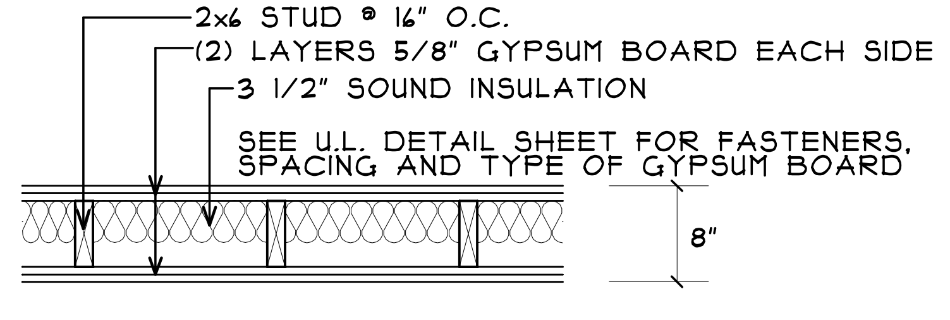
⟨24B⟩ WALL TYPE

SCALE: 3/4"=1'-0"

S.T.C. 50+

RATING - 1 HOUR (LOAD BEARING)

GA FILE NO. WP 3370


2x6 STUD @ 16" O.C.
(2) LAYERS 5/8" GYPSUM BOARD EACH SIDE
3 1/2" SOUND INSULATION
SEE U.L. DETAIL SHEET FOR FASTENERS, SPACING AND TYPE OF GYPSUM BOARD
8"

⑫ WALL TYPE

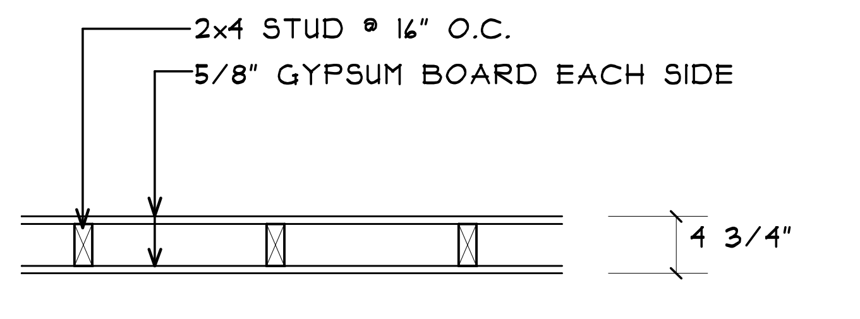
SCALE: 3/4"=1'-0"

S.T.C. - 40 TO 44 (w/o INSUL.)

RATING - 2 HOUR (LOAD BEARING)

U.L. DESIGN NO. U301

G.A. DESIGN NO. WP 4230


2x4 STUD @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
4 3/4"

⑬ WALL TYPE

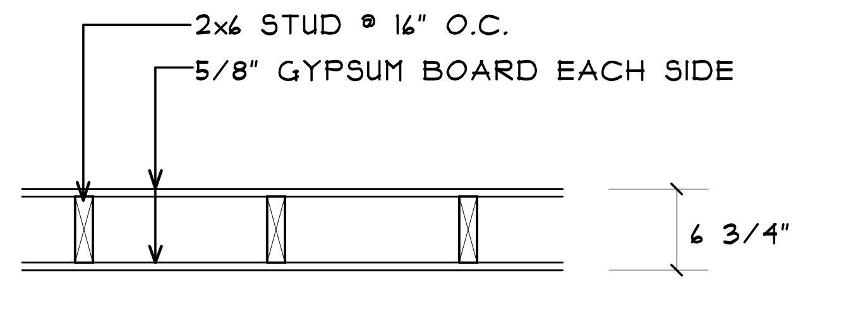
SCALE: 3/4"=1'-0"

S.T.C. - 35

RATING - NONE (LOAD BEARING)

U.L. DESIGN NO.

NOTE: REVIEW STRUCTURAL PLANS FOR SHEAR WALL NOTES WHICH MAY HAVE ADDITIONAL REQUIREMENTS FOR PARTY WALLS AND CORRIDOR WALLS (ALLOW FOR REQUIRED THICKNESS WHEN FRAMING AND INSTALLING PLUMBING ROUGH-INS) NON-SYMMETRICAL WALL TYPES ARE DIMENSIONED TO CENTER LINE OF THE STUD (RC CHANNELS WILL BE ON THE CORRIDOR SIDE UNLESS NOTED OTHERWISE)


2x6 STUD @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
6 3/4"

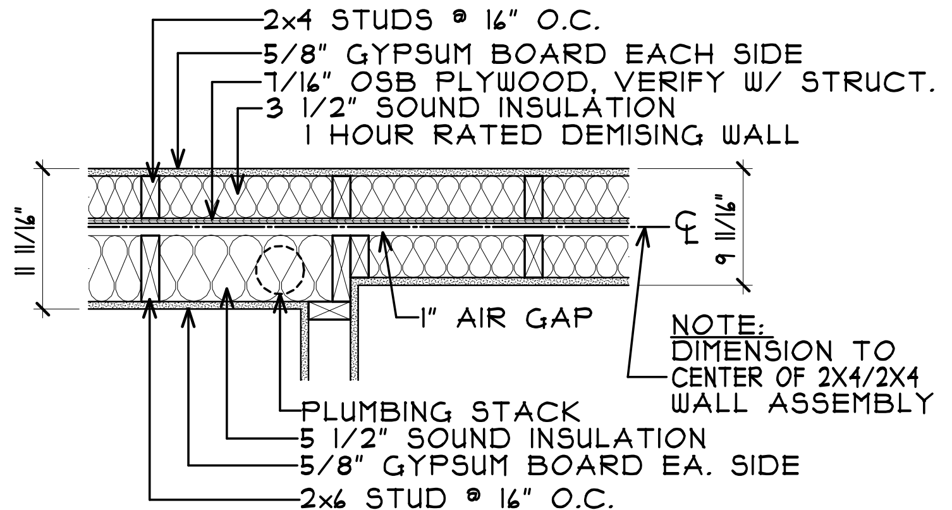
⑭ WALL TYPE

SCALE: 3/4"=1'-0"

S.T.C. - 35

RATING - NONE (LOAD BEARING)

U.L. DESIGN NO.


2x4 STUDS @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
7/16" OSB PLYWOOD, VERIFY W/ STRUCT.
3 1/2" SOUND INSULATION
1 HOUR RATED DEMISING WALL
11 11/16"
9 11/16"
CL
1" AIR GAP
NOTE: DIMENSION TO CENTER OF 2X4/2X4 WALL ASSEMBLY
PLUMBING STACK
5 1/2" SOUND INSULATION
5/8" GYPSUM BOARD EA. SIDE
2x6 STUD @ 16" O.C.

NOTE: PROVIDE FIREBLOCKING & DRAFTSTOPPING PER DETAILS 9 & 10/A801

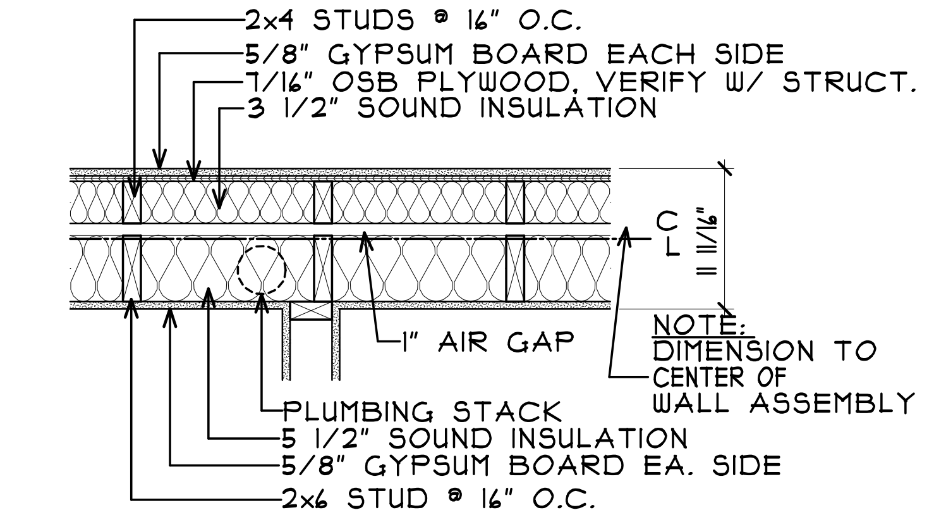
⟨24⟩ WALL TYPE

SCALE: 3/4"=1'-0"

S.T.C. 50+

RATING - 1 HOUR (LOAD BEARING)

GA FILE NO. WP 3370


2x4 STUDS @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
7/16" OSB PLYWOOD, VERIFY W/ STRUCT.
3 1/2" SOUND INSULATION
CL
11 11/16"
1" AIR GAP
NOTE: DIMENSION TO CENTER OF WALL ASSEMBLY
PLUMBING STACK
5 1/2" SOUND INSULATION
5/8" GYPSUM BOARD EA. SIDE
2x6 STUD @ 16" O.C.

NOTE: PROVIDE FIREBLOCKING & DRAFTSTOPPING PER DETAILS 9 & 10/A801

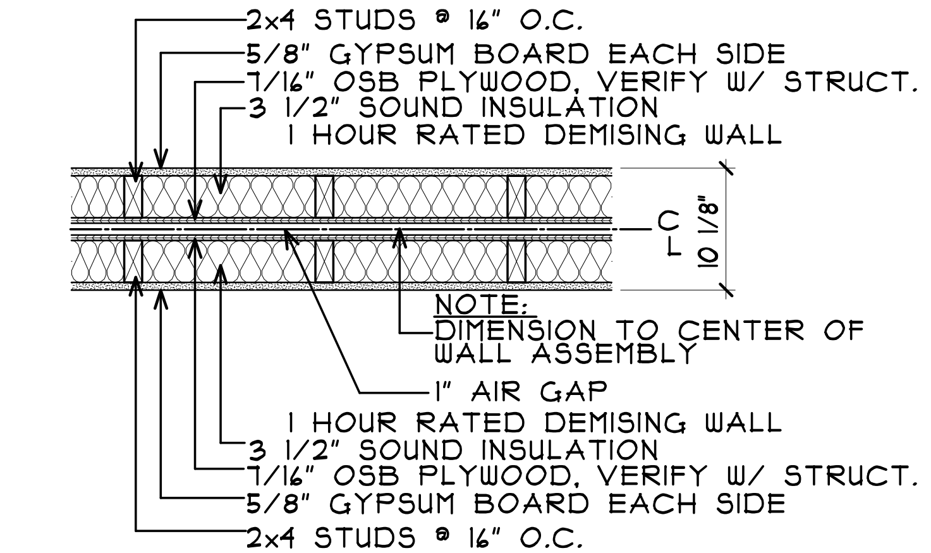
⟨25⟩ WALL TYPE

SCALE: 3/4"=1'-0"

S.T.C. 50+

RATING - 1 HOUR (LOAD BEARING)

GA FILE NO. WP 3370


2x4 STUDS @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
7/16" OSB PLYWOOD, VERIFY W/ STRUCT.
3 1/2" SOUND INSULATION
1 HOUR RATED DEMISING WALL
CL
10 1/8"
NOTE: DIMENSION TO CENTER OF WALL ASSEMBLY
1" AIR GAP
1 HOUR RATED DEMISING WALL
3 1/2" SOUND INSULATION
7/16" OSB PLYWOOD, VERIFY W/ STRUCT.
5/8" GYPSUM BOARD EACH SIDE
2x4 STUDS @ 16" O.C.

NOTE: PROVIDE FIREBLOCKING & DRAFTSTOPPING PER DETAILS 9 & 10/A801

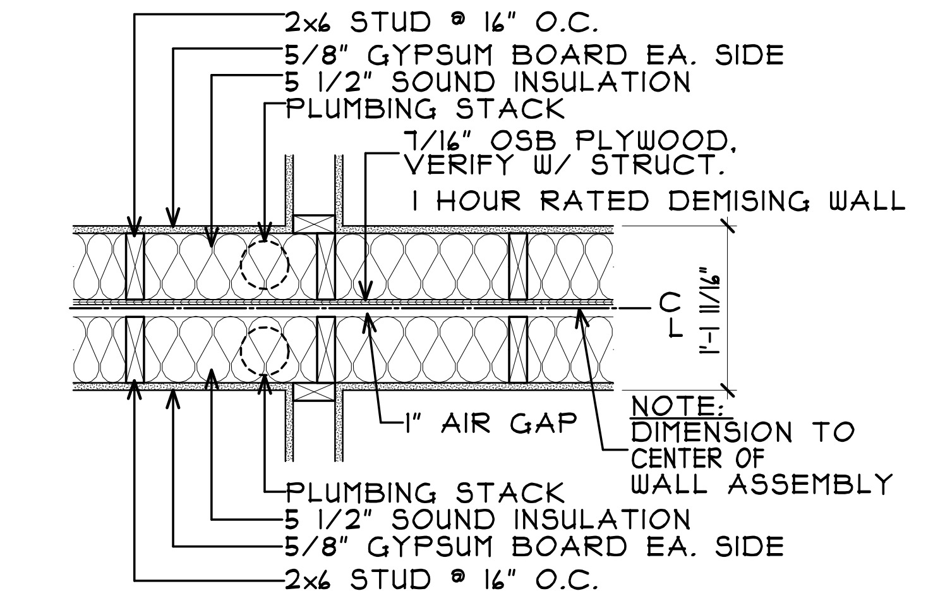
⟨37⟩ WALL TYPE

SCALE: 3/4"=1'-0"

S.T.C. 50+

RATING - 1 HOUR (LOAD BEARING)

GA FILE NO. WP 3370


2x6 STUD @ 16" O.C.
5/8" GYPSUM BOARD EA. SIDE
5 1/2" SOUND INSULATION
PLUMBING STACK
7/16" OSB PLYWOOD, VERIFY W/ STRUCT.
1 HOUR RATED DEMISING WALL
CL
1'-1 11/16"
1" AIR GAP
NOTE: DIMENSION TO CENTER OF WALL ASSEMBLY
PLUMBING STACK
5 1/2" SOUND INSULATION
5/8" GYPSUM BOARD EA. SIDE
2x6 STUD @ 16" O.C.

NOTE: PROVIDE FIREBLOCKING & DRAFTSTOPPING PER DETAILS 9 & 10/A801

⟨38⟩ WALL TYPE

SCALE: 3/4"=1'-0"

S.T.C. 50+

RATING - 1 HOUR (LOAD BEARING)

GA FILE NO. WP 3370

UNIT PLAN NUMBER NOTES:

← #

TYPE "B" UNIT NOTES:

1. PRE-FINISHED METAL DECK W/ 42" HIGH PRE-FINISHED METAL GUARDRAILS AND INTERMEDIATE BALUSTERS 4" O.C. / CONCRETE PATIO, SLOPE AWAY FROM BLDG. AS REQ'D.
2. PROVIDE SCREEN ON SLIDING DOOR AS REQ'D.
3. HVAC UNIT. SEE MECHANICAL PLANS. PROVIDE REMOTE / WALL MOUNTED THERMOSTAT. SEE DETAIL 10/A301.
4. 42" HIGH HALF WALL, VERIFY CAP W/ OWNER.
5. UNIT ENTRY DOOR TO MEET THE REQUIREMENTS OF DETAIL 7/A301.
6. PANTRY/LINEN SHELF. VERIFY REQUIREMENTS WITH OWNER/G.C.
7. ELECTRICAL PANEL. INSTALL @ 48" A.F.F. VERIFY LOCATION WITH ELECTRICAL PLANS.
8. CLOTHES ROD & COATED WIRE SHELF @ 60" A.F.F.
9. FRONT LOADING WASHER INSTALLED LEFT OF DRYER. VERIFY STYLE WITH OWNER, SEE DETAIL 12B/A301.
10. FRONT LOADING DRYER. VERIFY STYLE WITH OWNER, SEE DETAIL 12B/A301.
11. STACKED CLOTHES WASHER & DRYER. SEE DETAIL 13B/A301. WASHER TO BE ON BOTTOM.
12. 2"x4" WOOD STUDS @ 16" O.C., SOUND INSULATION AT PARTY WALL w/ 5/8" GYPSUM BOARD ONE SIDE.
13. PRE-FABRICATED LINEN CABINET w/ ADJUSTABLE SHELVING BY CABINET SUPPLIER.
14. INSTALL 5/8" GYPSUM BOARD BEHIND TUB/SHOWER SURROUND TO MAINTAIN 1 HOUR FIRE RATING. SEE DETAIL 3/A801.
15. BATH TUB WITH FIBERGLASS SURROUND. PROVIDE BLOCKING FOR GRAB BARS. SEE DETAILS 11,1B-2B/A301. VERIFY ROUGH OPENING SIZE WITH G.C.
16. -
    -
17. WATER CLOSET. PROVIDE BLOCKING FOR FUTURE GRAB BARS. SEE DETAILS 1, 2, 3, 6B & 7B/A301.
18. CULTURED MARBLE VANITY TOP WITH SINK. SEE DETAILS 4 & 4B/A301.
19. GRANITE COUNTERTOP WITH BASE CABINETS AT 36" A.F.F. VERIFY BACK SPLASH WITH G.C.
20. GRANITE COUNTERTOP WITH EATING BAR AT 36" A.F.F.
21. LINE OF UPPER CABINETS SHOWN DASHED.
22. STAINLESS STEEL DOUBLE BOWL KITCHEN SINK. SEE DETAIL 11B/A301. PROVIDE LIGHT ABOVE SINK UNDER UPPER CABINETS. SEE ELECTRICAL PLANS.
23. DISHWASHER. SEE DETAIL 10B/A301.
24. REFRIGERATOR/FREEZER, VERIFY STYLE WITH G.C. SEE DETAIL 8B/A301.
25. RANGE WITH VENTLESS HOOD & ACCESSIBLE CONTROLS. PROVIDE BUILT IN MICROWAVE ABOVE, SEE DETAIL 9B/A301.
26. 2X FURRED WALL W/ 5/8" GYP. BD. TO CONCEAL A.C. UNIT. SEE PLANS, VERIFY W/ G.C.
27. 3/4" MAX. BEVELED THRESHOLD AT SLIDING PATIO DOOR W/ 1:2 MAX. SLOPE. SEE DETS. 16B &17A/A301.
28. PRE-FABRICATED PANTRY CABINET w/ ADJUSTABLE SHELVING BY CABINET SUPPLIER.
29. GYP. BD. BULKHEAD ABOVE SHOWN DASHED, VERIFY HEIGHT W/ OWNER.
30. BEARING WALL SHOWN HATCHED. WALL TO STACK WITH WALL BELOW / ABOVE, SEE STRUCTURAL DRAWINGS.

ADDITIONAL TYPE "A" UNIT NOTES:

31. THIS DOOR SHALL MEET ACCESSIBLE DOOR CLEARANCES. SEE DETAILS 7 & 15C/A301.
32. CLOTHES ROD & COATED WIRE SHELF. PROVIDE A PORTION @ 48" A.F.F. MAX. SEE DETAIL 18C/A301.
33. ACCESSIBLE TURNING CLEARANCE SHOWN DASHED, SEE DETAIL 14C/A301.
34. ACCESSIBLE SIDE BY SIDE CLOTHES WASHER & DRYER, SEE DETAIL 13C/A301. WASHER TO BE ON LEFT.
35. ACCESSIBLE BATH TUB WITH FIBERGLASS SURROUND. PROVIDE BLOCKING FOR GRAB BARS. SEE DETAILS 11 & 1A/A301. VERIFY ROUGH OPENING SIZES WITH G.C.
36. CEILING FAN; VERIFY MODEL WITH OWNER.
37. ACCESSIBLE WATER CLOSET. PROVIDE BLOCKING FOR GRAB BARS. SEE DETAILS 1,2,3 & 7C/A301.
38. CULTURED MARBLE VANITY W/ SINK, PROVIDE REMOVABLE CABINETRY BELOW SINK TO MEET THE REQUIREMENTS OF DET. 6C/A301. WALLS & FLOOR BELOW VANITY TO BE FINISHED, SEE DETS. 4A & 5A/A301.
39. GRANITE COUNTERTOP WITH BASE CABINETS AT 34" A.F.F. VERIFY BACK SPLASH WITH G.C.
40. STAINLESS STEEL DOUBLE BOWL SINK, PROVIDE MINI FLORESCENT LIGHT ABOVE SINK UNDER UPPER CABINETS. PROVIDE REMOVABLE CABINETRY BELOW TO MEET THE REQT'S. OF DETS. 9 & 11C/A301. WALLS & FLOOR BELOW SINK TO BE FINISHED, SEE DET. 11A/A301.
41. ACCESSIBLE DISHWASHER. SEE DETAIL 10C/A301.
42. ACCESSIBLE REFRIGERATOR/FREEZER. VERIFY STYLE WITH G.C. SEE DETAIL 8C/A301.
43. ACCESSIBLE RANGE WITH VENTLESS HOOD. SEE DETAILS 9 & 9C/A301.
44. ACCESSIBLE WORK AREA 30" WIDE MIN. W/ REMOVABLE CABINETRY UNDER COUNTER & SAME HEIGHT AS KITCHEN SINK, LOCATED ADJACENT TO STOVE, SEE DETS. 9 & 12A/A301. WALLS & FLOOR BELOW COUNTER TO BE FINISHED.
45. GRANITE COUNTERTOP WITH EATING BAR AT 34" A.F.F.
46. DASHED LINES INDICATE REQUIRED ADA CLEARANCES, SEE SHEET A301 FOR MORE INFORMATION.
47. CHANGE IN FLOORING MATERIAL, VERIFY W/ OWNER. PROVIDE ACOUSTIC MAT AT ALL HARD SURFACE AREAS.
48. 2 HR. FIRE BARRIER WALL W/ NO PENETRATIONS, SHOWN HATCHED.
49. 2"x6" WOOD STUDS @ 16" O.C.. SOUND INSULATION AT PARTY WALLS w/ 5/8" GYPSUM BOARD ONE SIDE.

PLOTTED: 10-4-18 FILE: 18011U COM: 4

COLE GROUP
ARCHITECTS LLC.
214 Park Avenue South
Suite 102
Saint Cloud, MN 56301
(320) 654-6570
www.colegrouparchitects.com

These documents are not valid for building permit unless signed in ink and over sealed. Copies are not valid.

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of MINNESOTA

Date 10-4-18 # 22288

Name NORMAN E. COLE Signature

DEVELOPER:
KELLER/BAARTMAN
PROPERTIES
RED WING, MN
(651) 388-0000

PROPOSED 108 UNIT:
PARK PLACE
APARTMENTS
RED WING, MN

REVISIONS	COMMENTS

REVISIONS	COMMENTS

Project No.
18011
Submittal Date:
10-4-18
Document Set:
PERMIT SET

A201

UNIT PLAN NUMBER NOTES:

TYPE "B" UNIT NOTES:

1. PRE-FINISHED METAL DECK W/ 42" HIGH PRE-FINISHED METAL GUARDRAILS AND INTERMEDIATE BALUSTERS 4" O.C. / CONCRETE PATIO, SLOPE AWAY FROM BLDG. AS REQ'D.
2. PROVIDE SCREEN ON SLIDING DOOR AS REQ'D.
3. HVAC UNIT. SEE MECHANICAL PLANS. PROVIDE REMOTE / WALL MOUNTED THERMOSTAT. SEE DETAIL 10/A301.
4. 42" HIGH HALF WALL, VERIFY CAP W/ OWNER.
5. UNIT ENTRY DOOR TO MEET THE REQUIREMENTS OF DETAIL 7/A301.
6. PANTRY/LINEN SHELF. VERIFY REQUIREMENTS WITH OWNER/G.C.
7. ELECTRICAL PANEL. INSTALL @ 48" A.F.F. VERIFY LOCATION WITH ELECTRICAL PLANS.
8. CLOTHES ROD & COATED WIRE SHELF @ 60" A.F.F.
9. FRONT LOADING WASHER INSTALLED LEFT OF DRYER. VERIFY STYLE WITH OWNER, SEE DETAIL 12B/A301.
10. FRONT LOADING DRYER. VERIFY STYLE WITH OWNER, SEE DETAIL 12B/A301.
11. STACKED CLOTHES WASHER & DRYER. SEE DETAIL 13B/A301. WASHER TO BE ON BOTTOM.
12. 2"x4" WOOD STUDS @ 16" O.C., SOUND INSULATION AT PARTY WALL w/ 5/8" GYPSUM BOARD ONE SIDE.
13. PRE-FABRICATED LINEN CABINET w/ ADJUSTABLE SHELVING BY CABINET SUPPLIER.
14. INSTALL 5/8" GYPSUM BOARD BEHIND TUB/SHOWER SURROUND TO MAINTAIN 1 HOUR FIRE RATING. SEE DETAIL 3/A801.
15. BATH TUB WITH FIBERGLASS SURROUND. PROVIDE BLOCKING FOR GRAB BARS. SEE DETAILS 11,1B-2B/A301. VERIFY ROUGH OPENING SIZE WITH G.C.
16. -
    -
17. WATER CLOSET. PROVIDE BLOCKING FOR FUTURE GRAB BARS. SEE DETAILS 1, 2, 3, 6B & 7B/A301.
18. CULTURED MARBLE VANITY TOP WITH SINK. SEE DETAILS 4 & 4B/A301.
19. GRANITE COUNTERTOP WITH BASE CABINETS AT 36" A.F.F. VERIFY BACK SPLASH WITH G.C.
20. GRANITE COUNTERTOP WITH EATING BAR AT 36" A.F.F.
21. LINE OF UPPER CABINETS SHOWN DASHED.
22. STAINLESS STEEL DOUBLE BOWL KITCHEN SINK. SEE DETAIL 11B/A301. PROVIDE LIGHT ABOVE SINK UNDER UPPER CABINETS. SEE ELECTRICAL PLANS.
23. DISHWASHER. SEE DETAIL 10B/A301.
24. REFRIGERATOR/FREEZER, VERIFY STYLE WITH G.C. SEE DETAIL 8B/A301.
25. RANGE WITH VENTLESS HOOD & ACCESSIBLE CONTROLS. PROVIDE BUILT IN MICROWAVE ABOVE, SEE DETAIL 9B/A301.
26. 2X FURRED WALL W/ 5/8" GYP. BD. TO CONCEAL A.C. UNIT. SEE PLANS, VERIFY W/ G.C.
27. 3/4" MAX. BEVELED THRESHOLD AT SLIDING PATIO DOOR W/ 1:2 MAX. SLOPE. SEE DETS. 16B &17A/A301.
28. PRE-FABRICATED PANTRY CABINET w/ ADJUSTABLE SHELVING BY CABINET SUPPLIER.
29. GYP. BD. BULKHEAD ABOVE SHOWN DASHED, VERIFY HEIGHT W/ OWNER.
30. BEARING WALL SHOWN HATCHED. WALL TO STACK WITH WALL BELOW / ABOVE, SEE STRUCTURAL DRAWINGS.

ADDITIONAL TYPE "A" UNIT NOTES:

31. THIS DOOR SHALL MEET ACCESSIBLE DOOR CLEARANCES. SEE DETAILS 7 & 15C/A301.
32. CLOTHES ROD & COATED WIRE SHELF. PROVIDE A PORTION @ 48" A.F.F. MAX. SEE DETAIL 18C/A301.
33. ACCESSIBLE TURNING CLEARANCE SHOWN DASHED, SEE DETAIL 14C/A301.
34. ACCESSIBLE SIDE BY SIDE CLOTHES WASHER & DRYER, SEE DETAIL 13C/A301. WASHER TO BE ON LEFT.
35. ACCESSIBLE BATH TUB WITH FIBERGLASS SURROUND. PROVIDE BLOCKING FOR GRAB BARS. SEE DETAILS 11 & 1A/A301. VERIFY ROUGH OPENING SIZES WITH G.C.
36. CEILING FAN; VERIFY MODEL WITH OWNER.
37. ACCESSIBLE WATER CLOSET. PROVIDE BLOCKING FOR GRAB BARS. SEE DETAILS 1,2,3 & 7C/A301.
38. CULTURED MARBLE VANITY W/ SINK, PROVIDE REMOVABLE CABINETRY BELOW SINK TO MEET THE REQUIREMENTS OF DET. 6C/A301. WALLS & FLOOR BELOW VANITY TO BE FINISHED, SEE DETS. 4A & 5A/A301.
39. GRANITE COUNTERTOP WITH BASE CABINETS AT 34" A.F.F. VERIFY BACK SPLASH WITH G.C.
40. STAINLESS STEEL DOUBLE BOWL SINK, PROVIDE MINI FLORESCENT LIGHT ABOVE SINK UNDER UPPER CABINETS. PROVIDE REMOVABLE CABINETRY BELOW TO MEET THE REQT'S. OF DETS. 9 & 11C/A301. WALLS & FLOOR BELOW SINK TO BE FINISHED, SEE DET. 11A/A301.
41. ACCESSIBLE DISHWASHER. SEE DETAIL 10C/A301.
42. ACCESSIBLE REFRIGERATOR/FREEZER. VERIFY STYLE WITH G.C. SEE DETAIL 8C/A301.
43. ACCESSIBLE RANGE WITH VENTLESS HOOD. SEE DETAILS 9 & 9C/A301.
44. ACCESSIBLE WORK AREA 30" WIDE MIN. W/ REMOVABLE CABINETRY UNDER COUNTER & SAME HEIGHT AS KITCHEN SINK, LOCATED ADJACENT TO STOVE, SEE DETS. 9 & 12A/A301. WALLS & FLOOR BELOW COUNTER TO BE FINISHED.
45. GRANITE COUNTERTOP WITH EATING BAR AT 34" A.F.F.
46. DASHED LINES INDICATE REQUIRED ADA CLEARANCES, SEE SHEET A301 FOR MORE INFORMATION.
47. CHANGE IN FLOORING MATERIAL, VERIFY W/ OWNER. PROVIDE ACOUSTIC MAT AT ALL HARD SURFACE AREAS.
48. 2 HR. FIRE BARRIER WALL W/ NO PENETRATIONS, SHOWN HATCHED.
49. 2"x6" WOOD STUDS @ 16" O.C.. SOUND INSULATION AT PARTY WALLS w/ 5/8" GYPSUM BOARD ONE SIDE.

GENERAL NOTES:

A) VERIFY ROOM FINISHES AND COLOR SELECTIONS w/ G.C./OWNER.

B) HVAC CONTRACTOR TO PROVIDE ACCESSIBLE HEIGHT MOUNTED THERMOSTAT AT ALL UNITS.

C) ALL BEDROOM WINDOWS TO MEET MIN. EGRESS REQUIREMENTS.

D) PROVIDE 110 OUTLET IN LAUNDRY CLOSET VERIFY LOCATION w/G.C.

E) VERIFY ALL ROUGH OPENINGS DIMENSIONS w/SHOP DRAWINGS.

F) VERIFY ALL FIXTURE & APPLIANCE REQUIREMENTS W/ OWNER.

G) KITCHEN, BATHS & LAUNDRY CLOSETS TO HAVE SHEET VINYL FLOORING AND WOOD BASE. VERIFY W/ OWNER.

H) BEDROOM & LIVING ROOM TO HAVE CARPET FLOORING AND WOOD BASE. VERIFY W/ OWNER.

I. PROVIDE WINDOW FALL PREVENTION DEVICES THAT COMPLY WITH ASTM F 2090 OR SASH LIMITERS THAT PROVIDE AN OPENING NOT MORE THAN 4" FOR OPERABLE WINDOWS OVER 6'-0" ABOVE GRADE THAT ARE LESS THAN 36" A.F.F.

J) PROVIDE SMOKE DETECTORS PER CODE. VERIFY LOCATION W/ FIRE MARSHALL.

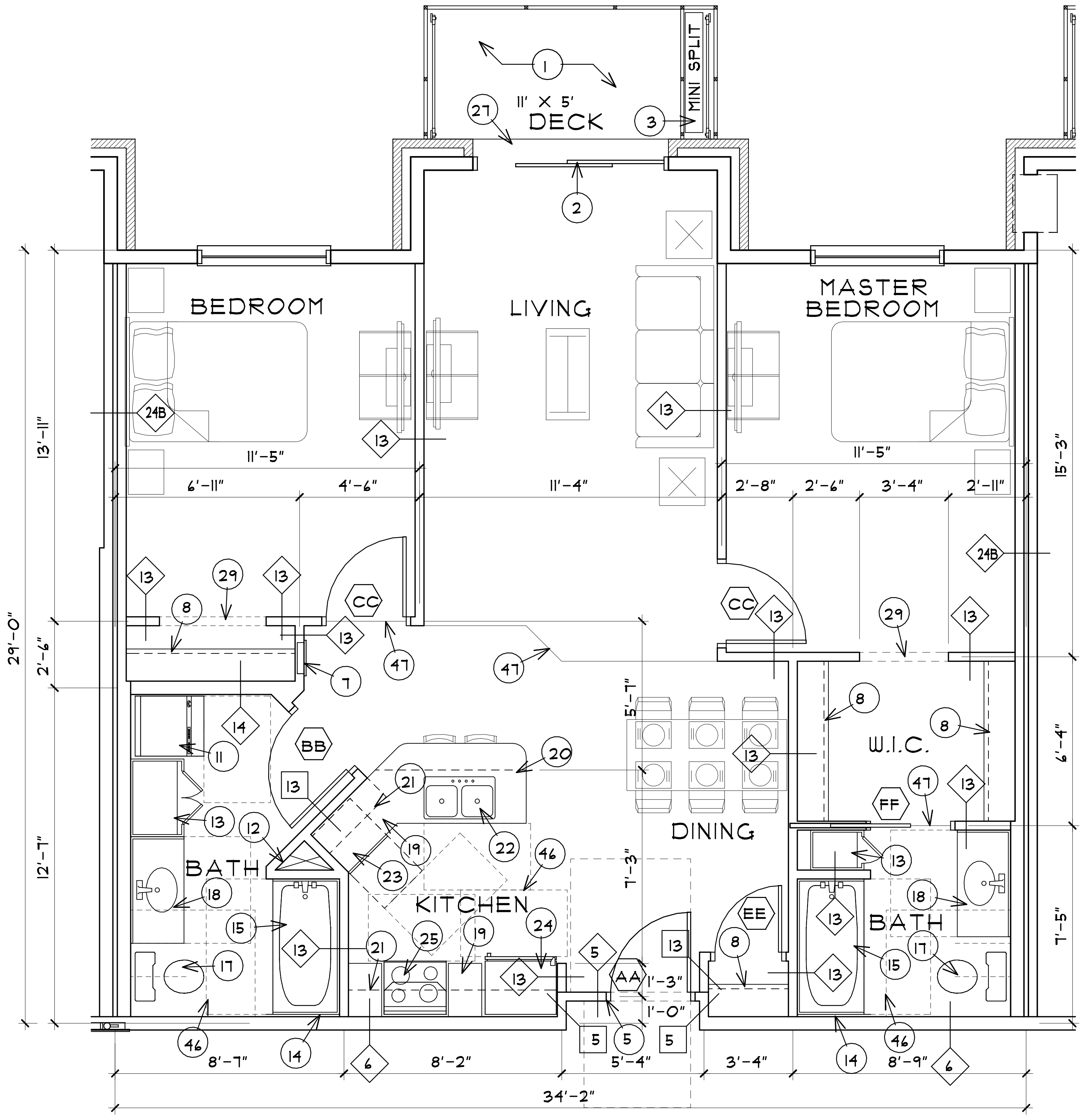
K) ALL DOORS TO BE LEVER TYPE.

L) VERIFY ALL SPECIALTY EQUIPMENT W/ G.C.

M) ALL CLOTHES WASHERS TO BE INSTALLED TO THE LEFT OF THE CLOTHES DRYER.

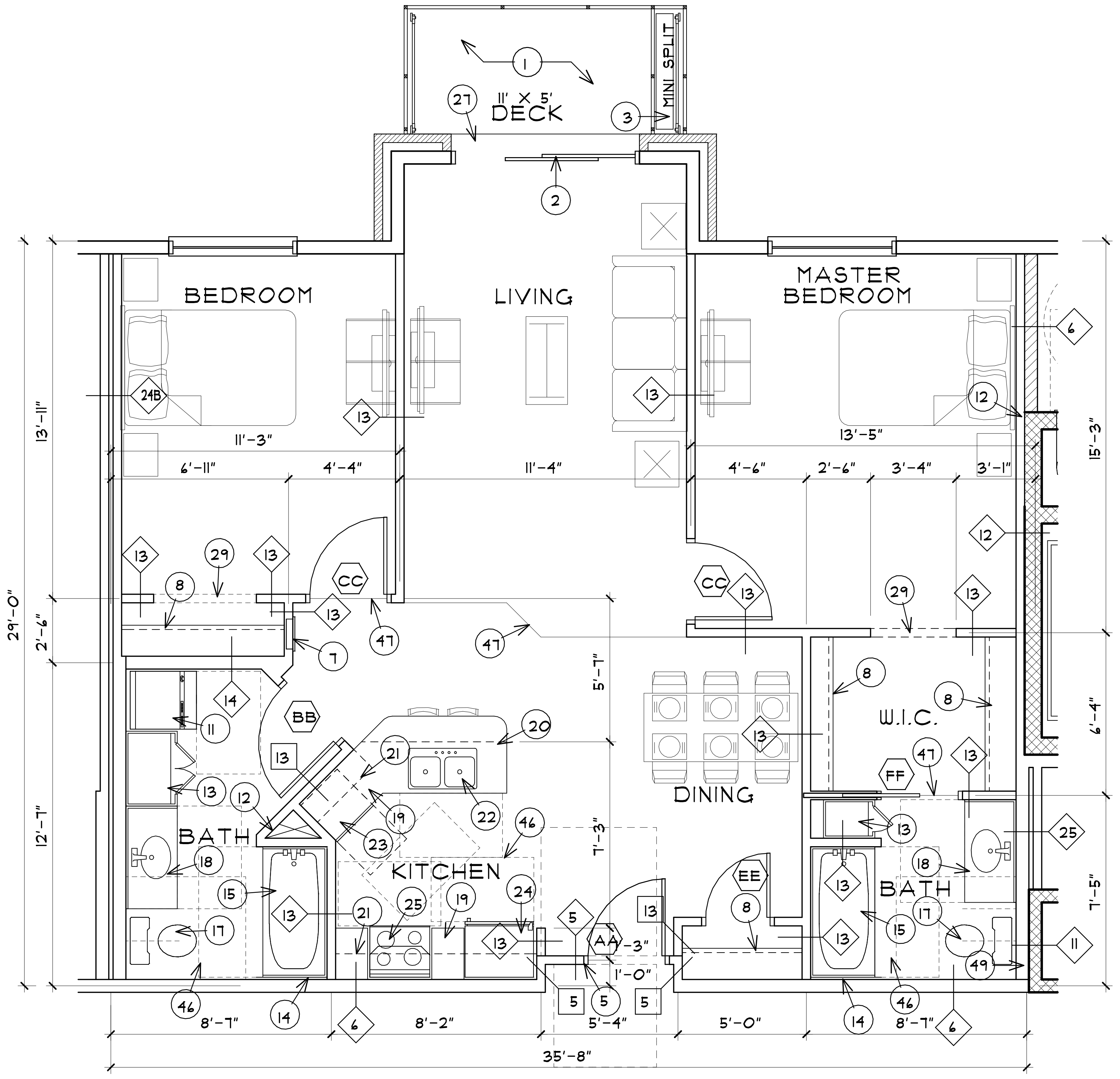
N) ALL UNIT CABINETS TO HAVE HARDWARE. VERIFY STYLE W/ OWNER.

O) EACH UNIT TO HAVE SEPARATE ELECTRICAL METER.


DECK
11' X 5'
MINI SPLIT
BEDROOM
LIVING
MASTER BEDROOM
W.I.C.
DINING
KITCHEN
BATH
BATH
11'-5"
6'-11"
4'-6"
11'-4"
2'-8"
2'-6"
3'-4"
2'-11"
13'-11"
29'-0"
2'-6"
12'-7"
15'-3"
6'-4"
7'-5"
5'-1"
7'-3"
1'-3"
1'-0"
8'-7"
8'-2"
5'-4"
3'-4"
8'-9"
34'-2"

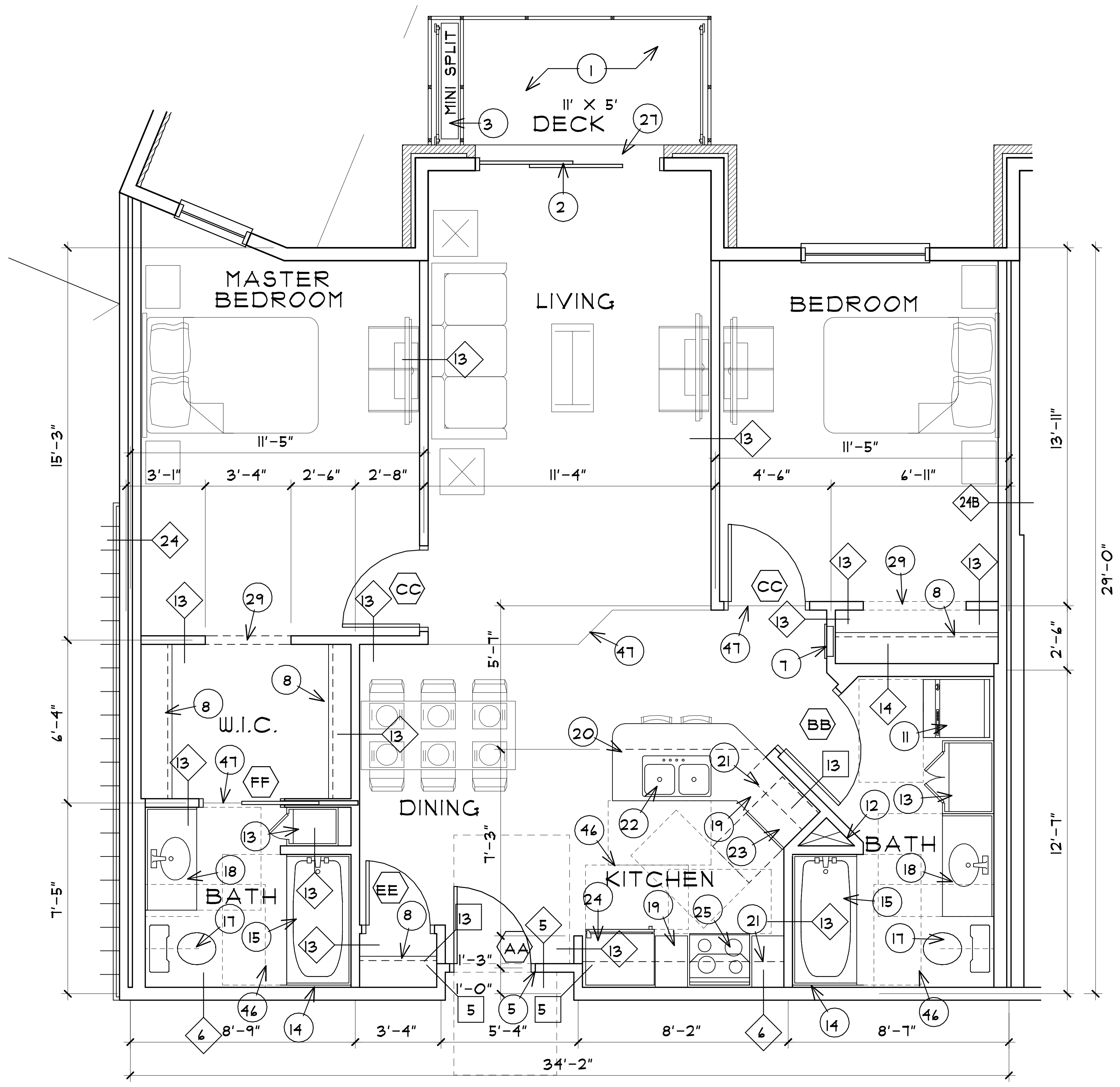
TWO BEDROOM UNIT "B"

SCALE: 1/4" = 1'-0" TYPE "B" 30 TOTAL TOTAL @ 1,027 S.F.


DECK
11' X 5'
MINI SPLIT
BEDROOM
LIVING
MASTER BEDROOM
W.I.C.
DINING
KITCHEN
BATH
BATH
11'-3"
13'-5"
6'-11"
4'-4"
11'-4"
4'-6"
2'-6"
3'-4"
3'-1"
13'-11"
29'-0"
2'-6"
12'-7"
15'-3"
6'-4"
7'-5"
5'-1"
7'-3"
1'-3"
1'-0"
8'-7"
8'-2"
5'-4"
5'-0"
8'-7"
35'-8"

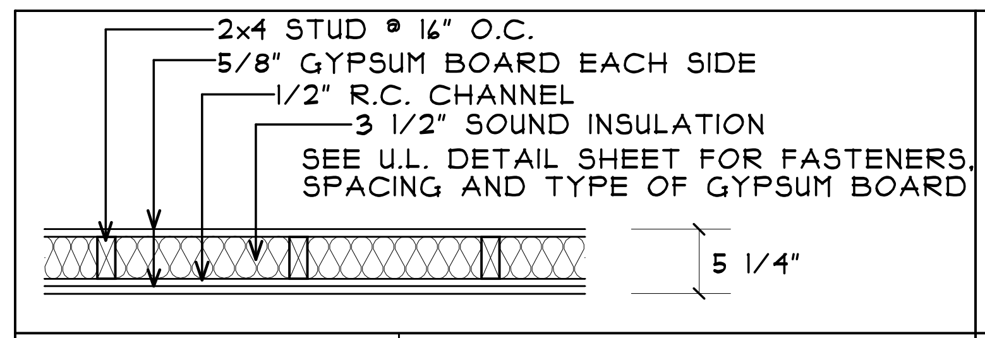
TWO BEDROOM UNIT "B.1"

SCALE: 1/4" = 1'-0" TYPE "B" 4 TOTAL TOTAL @ 1,078 S.F.

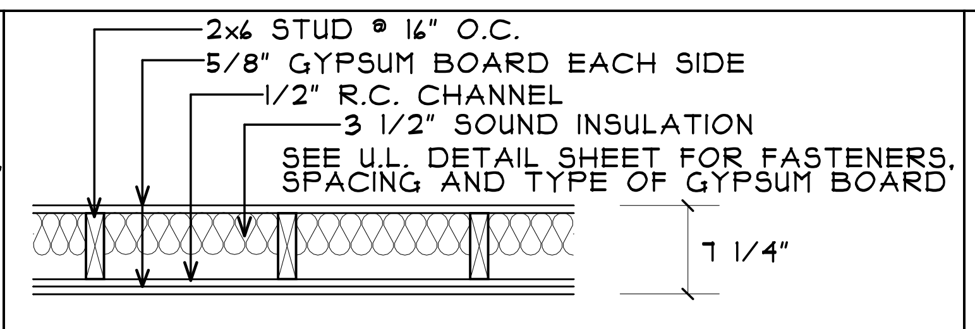

DECK
11' X 5'
MINI SPLIT
MASTER BEDROOM
LIVING
BEDROOM
W.I.C.
DINING
KITCHEN
BATH
BATH
11'-5"
11'-5"
3'-1"
3'-4"
2'-6"
2'-8"
11'-4"
4'-6"
6'-11"
15'-3"
6'-4"
7'-5"
13'-11"
29'-0"
2'-6"
12'-7"
5'-1"
7'-3"
1'-3"
1'-0"
8'-9"
3'-4"
5'-4"
8'-2"
8'-7"
34'-2"

TWO BEDROOM UNIT "B.2"

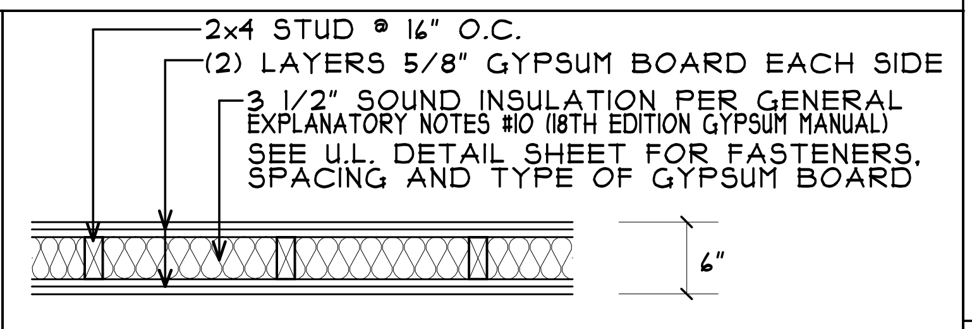
SCALE: 1/4" = 1'-0" TYPE "B" 3 TOTAL TOTAL @ 1,035 S.F.


2x4 STUD @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
1/2" R.C. CHANNEL
3 1/2" SOUND INSULATION
SEE U.L. DETAIL SHEET FOR FASTENERS, SPACING AND TYPE OF GYPSUM BOARD
5 1/4"

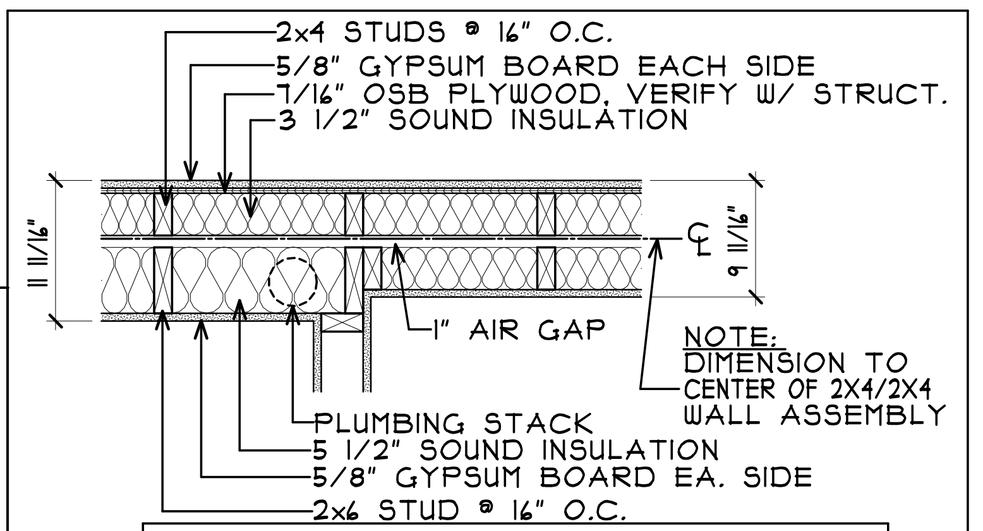
5 WALL TYPE
SCALE: 3/4"=1'-0"
S.T.C. - 50
RATING - 1 HOUR (LOAD BEARING)
U.L. DESIGN NO. U305


2x6 STUD @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
1/2" R.C. CHANNEL
3 1/2" SOUND INSULATION
SEE U.L. DETAIL SHEET FOR FASTENERS, SPACING AND TYPE OF GYPSUM BOARD
7 1/4"

6 WALL TYPE
SCALE: 3/4"=1'-0"
S.T.C. - 50
RATING - 1 HOUR (LOAD BEARING)
U.L. DESIGN NO. U305

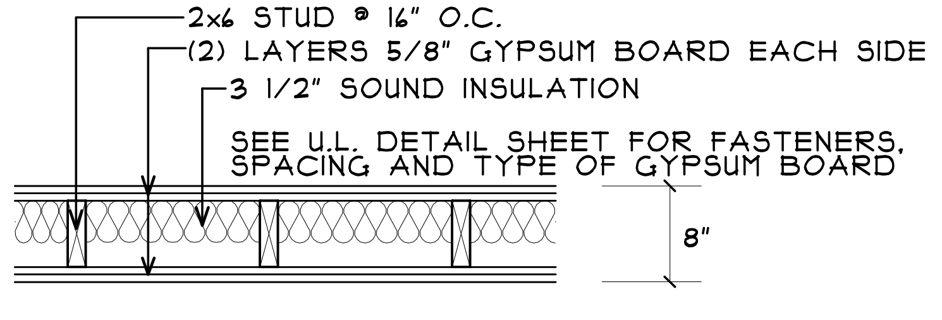

2x4 STUD @ 16" O.C.
(2) LAYERS 5/8" GYPSUM BOARD EACH SIDE
3 1/2" SOUND INSULATION PER GENERAL EXPLANATORY NOTES #10 (18TH EDITION GYPSUM MANUAL)
SEE U.L. DETAIL SHEET FOR FASTENERS, SPACING AND TYPE OF GYPSUM BOARD
6"

11 WALL TYPE
SCALE: 3/4"=1'-0"
S.T.C. - 48
RATING - 2 HOUR (LOAD BEARING)
U.L. DESIGN NO. U301
G.A. DESIGN NO. WP 4135

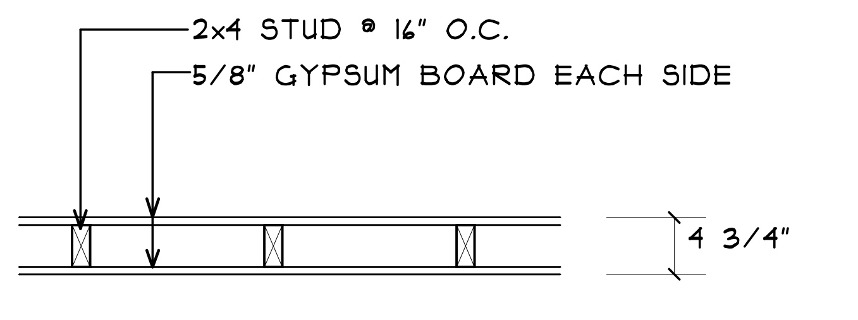

2x4 STUDS @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
7/16" OSB PLYWOOD, VERIFY W/ STRUCT.
3 1/2" SOUND INSULATION
11 11/16"
9 11/16"
CL
1" AIR GAP
NOTE: DIMENSION TO CENTER OF 2X4/2X4 WALL ASSEMBLY
PLUMBING STACK
5 1/2" SOUND INSULATION
5/8" GYPSUM BOARD EA. SIDE
2x6 STUD @ 16" O.C.

NOTE: PROVIDE FIREBLOCKING & DRAFTSTOPPING PER DETAILS 9 & 10/A801

24B WALL TYPE
SCALE: 3/4"=1'-0"
S.T.C. 50+
RATING - 1 HOUR (LOAD BEARING)
GA FILE NO. WP 3370

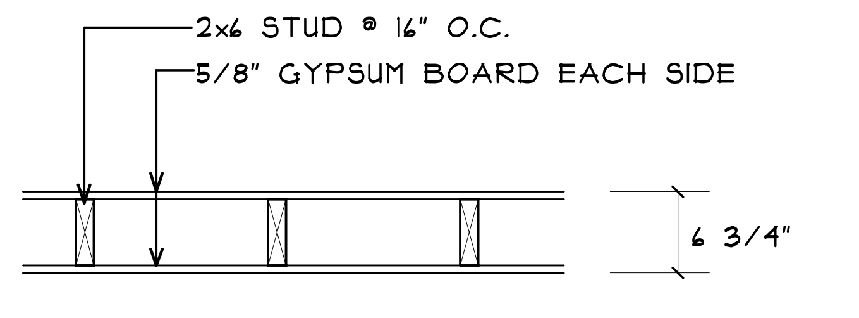

2x6 STUD @ 16" O.C.
(2) LAYERS 5/8" GYPSUM BOARD EACH SIDE
3 1/2" SOUND INSULATION
SEE U.L. DETAIL SHEET FOR FASTENERS, SPACING AND TYPE OF GYPSUM BOARD
8"

12 WALL TYPE
SCALE: 3/4"=1'-0"
S.T.C. - 40 TO 44 (w/o INSUL.)
RATING - 2 HOUR (LOAD BEARING)
U.L. DESIGN NO. U301
G.A. DESIGN NO. WP 4230

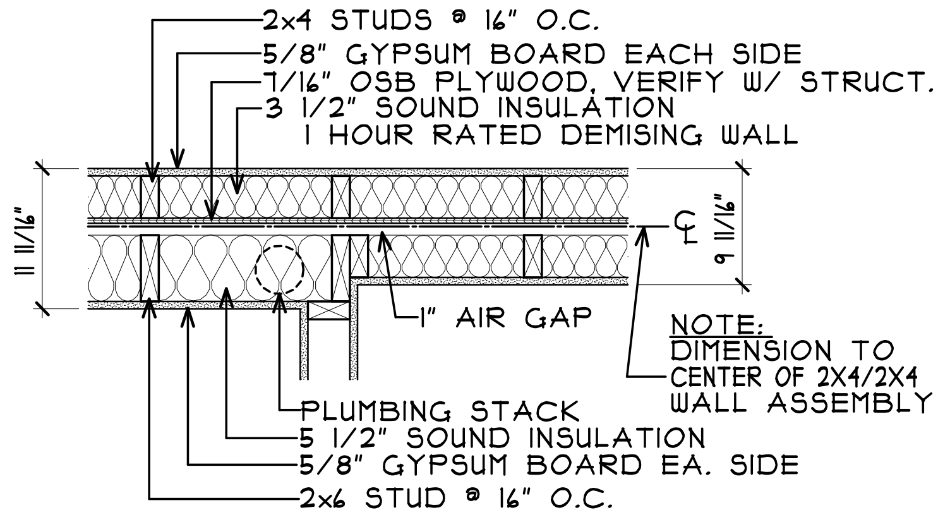

2x4 STUD @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
4 3/4"

13 WALL TYPE
SCALE: 3/4"=1'-0"
S.T.C. - 35
RATING - NONE (LOAD BEARING)
U.L. DESIGN NO.

NOTE: REVIEW STRUCTURAL PLANS FOR SHEAR WALL NOTES WHICH MAY HAVE ADDITIONAL REQUIREMENTS FOR PARTY WALLS AND CORRIDOR WALLS (ALLOW FOR REQUIRED THICKNESS WHEN FRAMING AND INSTALLING PLUMBING ROUGH-INS) NON-SYMMETRICAL WALL TYPES ARE DIMENSIONED TO CENTER LINE OF THE STUD (RC CHANNELS WILL BE ON THE CORRIDOR SIDE UNLESS NOTED OTHERWISE)

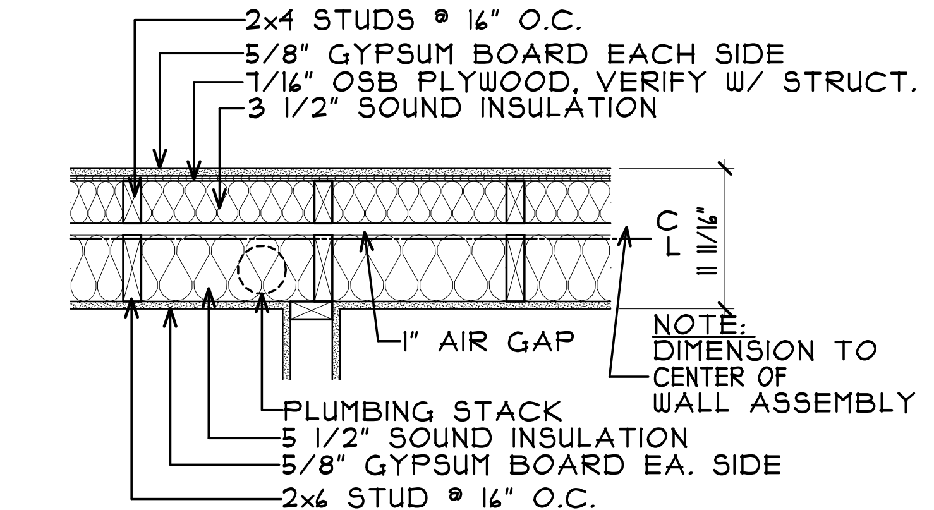

2x6 STUD @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
6 3/4"

14 WALL TYPE
SCALE: 3/4"=1'-0"
S.T.C. - 35
RATING - NONE (LOAD BEARING)
U.L. DESIGN NO.


2x4 STUDS @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
7/16" OSB PLYWOOD, VERIFY W/ STRUCT.
3 1/2" SOUND INSULATION
1 HOUR RATED DEMISING WALL
11 11/16"
9 11/16"
CL
1" AIR GAP
NOTE: DIMENSION TO CENTER OF 2X4/2X4 WALL ASSEMBLY
PLUMBING STACK
5 1/2" SOUND INSULATION
5/8" GYPSUM BOARD EA. SIDE
2x6 STUD @ 16" O.C.

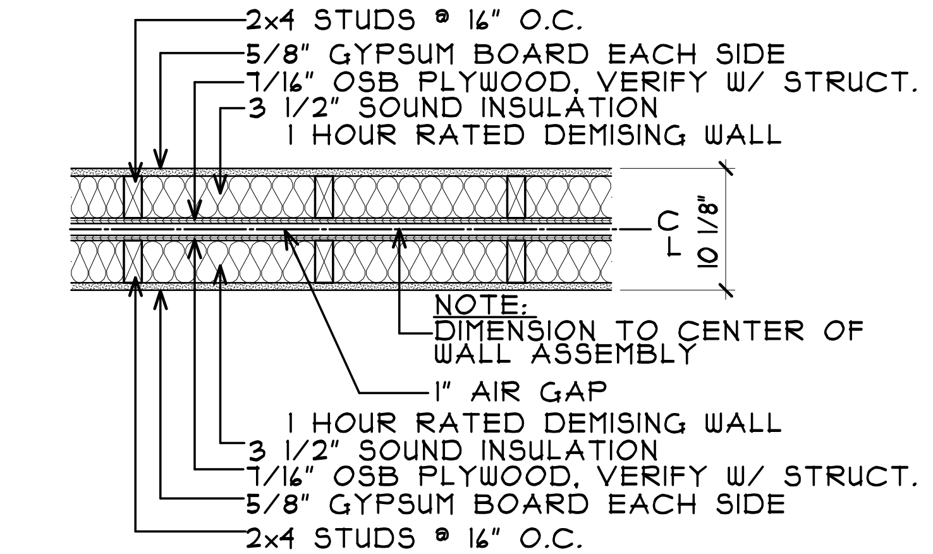
NOTE: PROVIDE FIREBLOCKING & DRAFTSTOPPING PER DETAILS 9 & 10/A801

24 WALL TYPE
SCALE: 3/4"=1'-0"
S.T.C. 50+
RATING - 1 HOUR (LOAD BEARING)
GA FILE NO. WP 3370


2x4 STUDS @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
7/16" OSB PLYWOOD, VERIFY W/ STRUCT.
3 1/2" SOUND INSULATION
CL
11 11/16"
1" AIR GAP
NOTE: DIMENSION TO CENTER OF WALL ASSEMBLY
PLUMBING STACK
5 1/2" SOUND INSULATION
5/8" GYPSUM BOARD EA. SIDE
2x6 STUD @ 16" O.C.

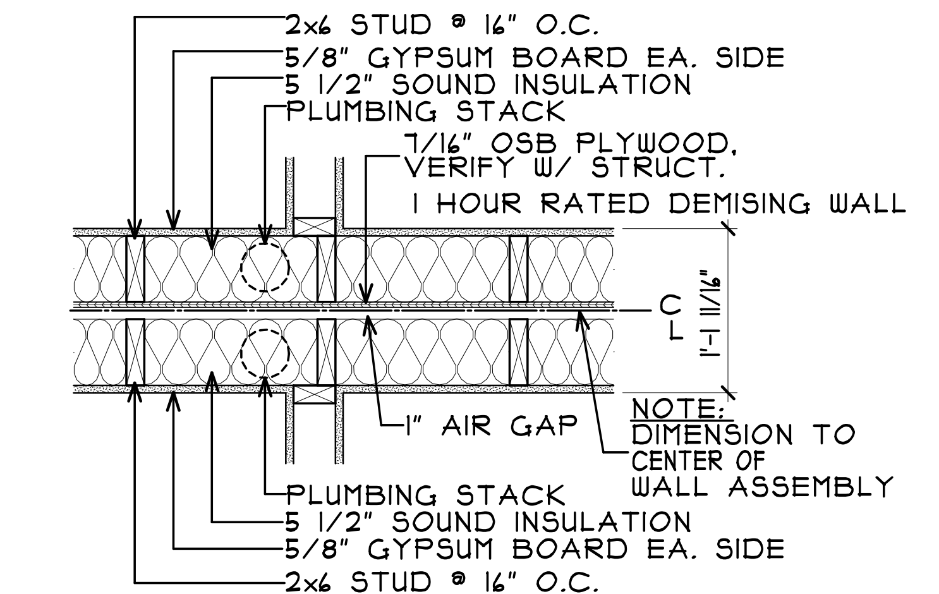
NOTE: PROVIDE FIREBLOCKING & DRAFTSTOPPING PER DETAILS 9 & 10/A801

25 WALL TYPE
SCALE: 3/4"=1'-0"
S.T.C. 50+
RATING - 1 HOUR (LOAD BEARING)
GA FILE NO. WP 3370


2x4 STUDS @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
7/16" OSB PLYWOOD, VERIFY W/ STRUCT.
3 1/2" SOUND INSULATION
1 HOUR RATED DEMISING WALL
CL
10 1/8"
NOTE: DIMENSION TO CENTER OF WALL ASSEMBLY
1" AIR GAP
1 HOUR RATED DEMISING WALL
3 1/2" SOUND INSULATION
7/16" OSB PLYWOOD, VERIFY W/ STRUCT.
5/8" GYPSUM BOARD EACH SIDE
2x4 STUDS @ 16" O.C.

NOTE: PROVIDE FIREBLOCKING & DRAFTSTOPPING PER DETAILS 9 & 10/A801

37 WALL TYPE
SCALE: 3/4"=1'-0"
S.T.C. 50+
RATING - 1 HOUR (LOAD BEARING)
GA FILE NO. WP 3370


2x6 STUD @ 16" O.C.
5/8" GYPSUM BOARD EA. SIDE
5 1/2" SOUND INSULATION
PLUMBING STACK
7/16" OSB PLYWOOD, VERIFY W/ STRUCT.
1 HOUR RATED DEMISING WALL
CL
1'-1 11/16"
1" AIR GAP
NOTE: DIMENSION TO CENTER OF WALL ASSEMBLY
PLUMBING STACK
5 1/2" SOUND INSULATION
5/8" GYPSUM BOARD EA. SIDE
2x6 STUD @ 16" O.C.

NOTE: PROVIDE FIREBLOCKING & DRAFTSTOPPING PER DETAILS 9 & 10/A801

38 WALL TYPE
SCALE: 3/4"=1'-0"
S.T.C. 50+
RATING - 1 HOUR (LOAD BEARING)
GA FILE NO. WP 3370

COLE GROUP
ARCHITECTS LLC.
216 Park Avenue South
Suite 102
Saint Cloud, MN 56301
(320) 654-6570
www.colegrouparchitects.com

These documents are not valid for building permit unless signed in ink and over sealed. Copies are not valid.

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of MINNESOTA

Date 10-4-18 # 22288

Name NORMAN E. COLE Signature

DEVELOPER:
KB KELLER/BAARTMAN
PROPERTIES
RED WING, MN
(651) 388-0000

PROPOSED 108 UNIT:
PARK PLACE APARTMENTS
RED WING, MN

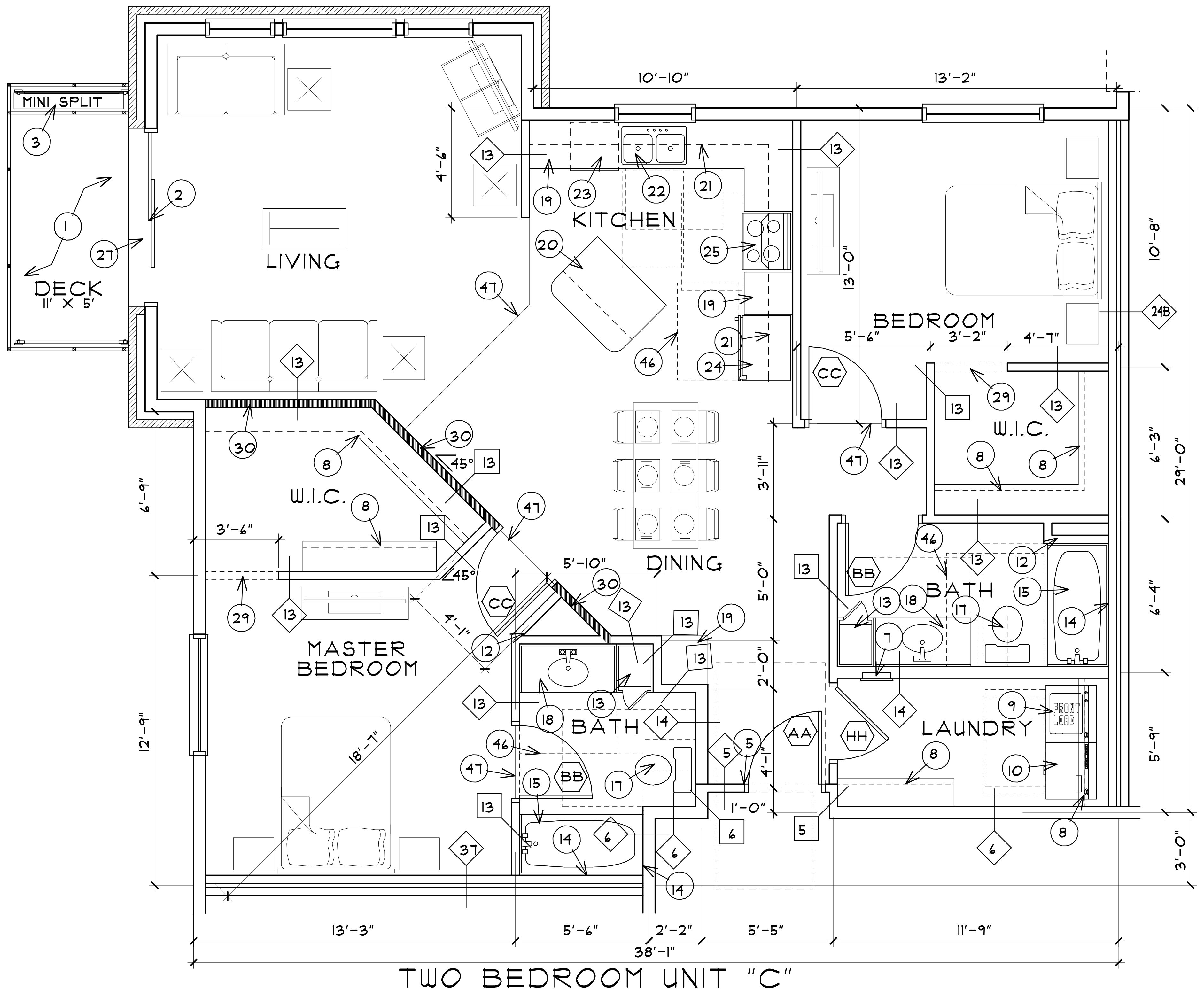
REVISIONS	COMMENTS

REVISIONS	COMMENTS

Project No.
18011
Submittal Date:
10-4-18
Document Set:
PERMIT SET

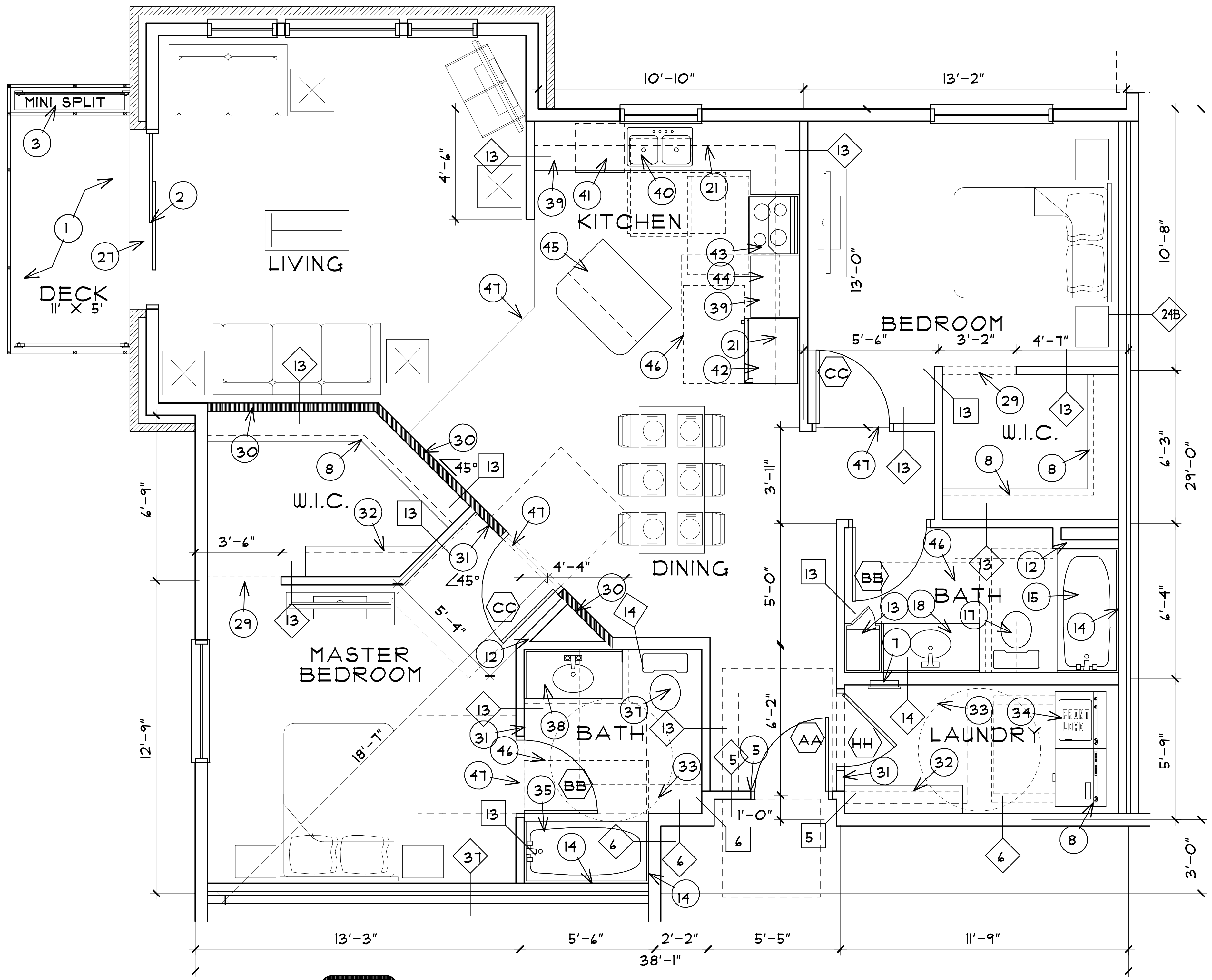
A202

PLOTTED: 10-4-18 FILE: 18011U COM: 4


MINI SPLIT
DECK
11' X 5'
LIVING
KITCHEN
BEDROOM
W.I.C.
DINING
BATH
LAUNDRY
MASTER BEDROOM
W.I.C.
BATH
10'-10"
13'-2"
13'-3"
5'-6"
2'-2"
5'-5"
11'-9"
38'-1"
29'-0"

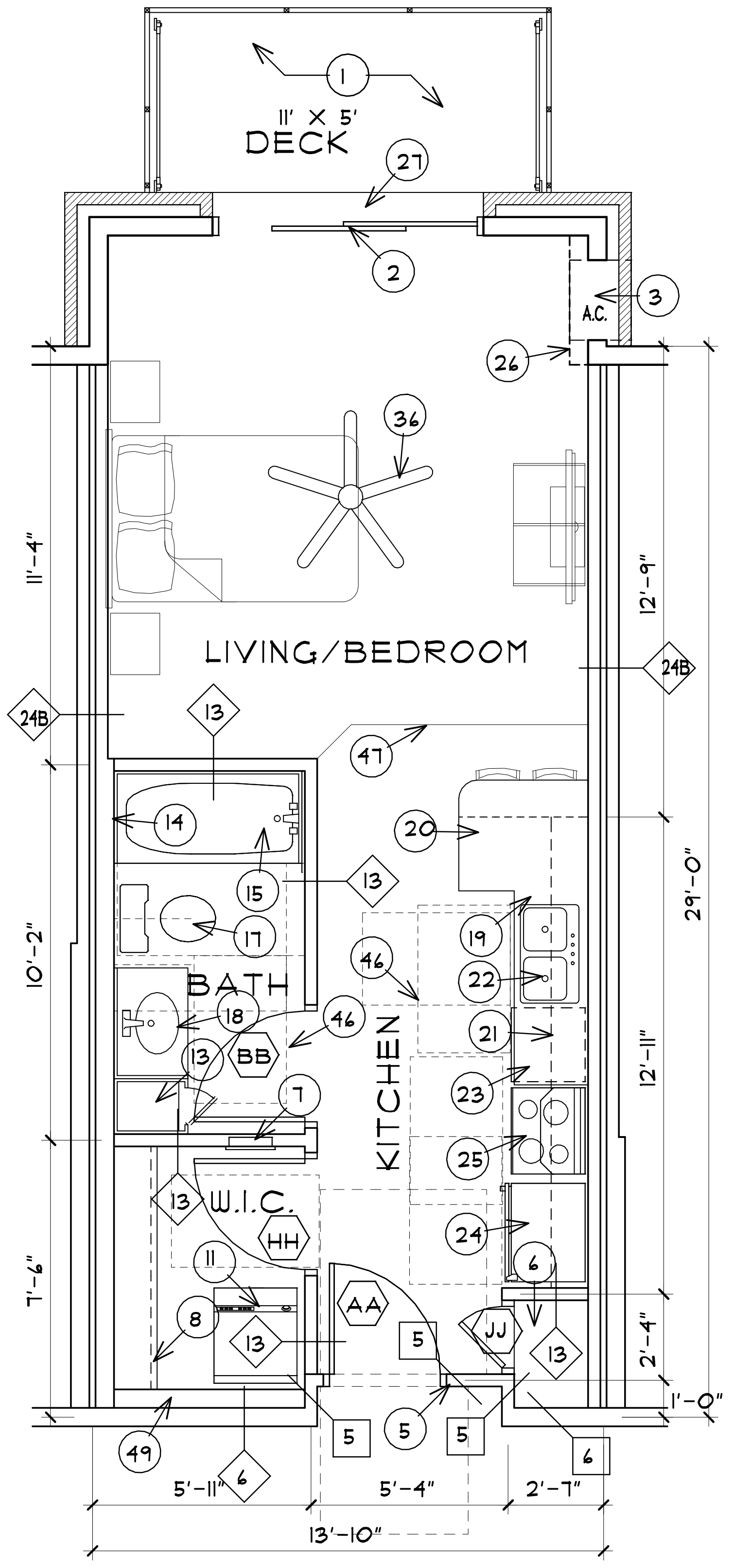
TWO BEDROOM UNIT "C"

SCALE: 1/4" = 1'-0" TYPE "B" 1 TOTAL @ 1,236 S.F.


MINI SPLIT
DECK
11' X 5'
LIVING
KITCHEN
BEDROOM
W.I.C.
DINING
BATH
LAUNDRY
MASTER BEDROOM
W.I.C.
BATH
10'-10"
13'-2"
13'-3"
5'-6"
2'-2"
5'-5"
11'-9"
38'-1"
29'-0"

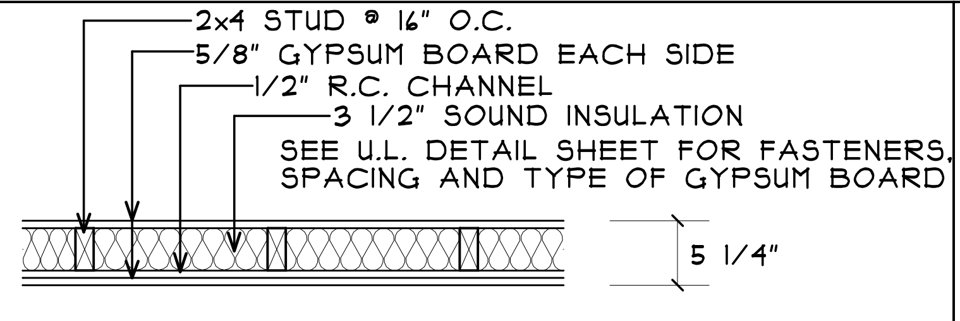
TWO BEDROOM UNIT "C.1"

SCALE: 1/4" = 1'-0" TYPE "A" 1 TOTAL @ 1,236 S.F.

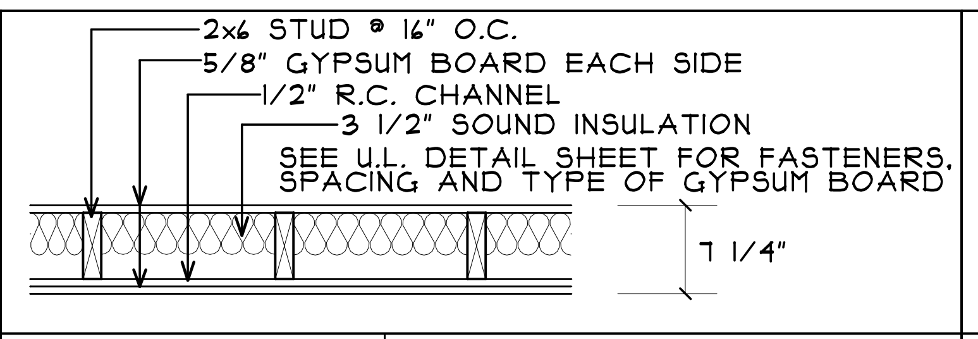

11' X 5'
DECK
LIVING/BEDROOM
BATH
KITCHEN
W.I.C.
A.C.
13'-10"
29'-0"

STUDIO UNIT "D", GUEST SUITE

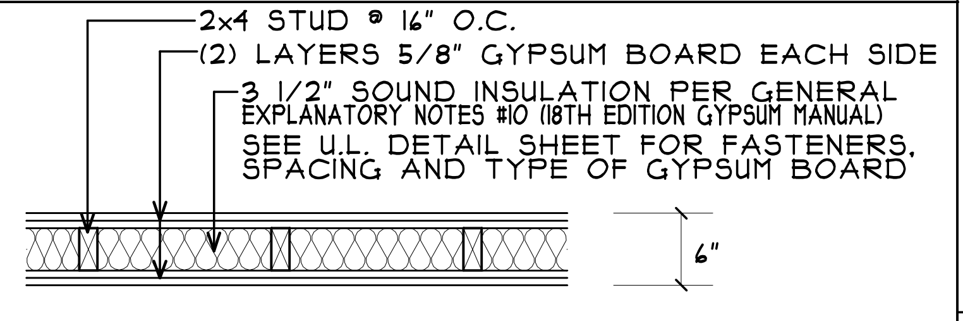
SCALE: 1/4" = 1'-0" TYPE "B" 28 TOTAL @ 445 S.F.


2x4 STUD @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
1/2" R.C. CHANNEL
3 1/2" SOUND INSULATION
SEE U.L. DETAIL SHEET FOR FASTENERS, SPACING AND TYPE OF GYPSUM BOARD
5 1/4"

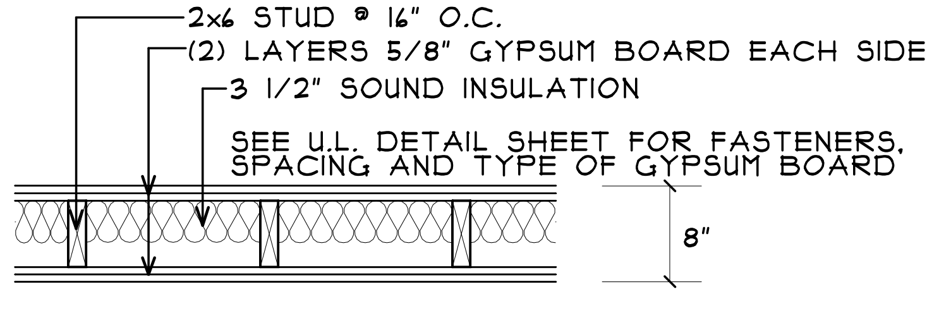
⑤ WALL TYPE	S.T.C. - 50
SCALE: 3/4"=1'-0"	RATING - 1 HOUR (LOAD BEARING)
	U.L. DESIGN NO. U305


2x6 STUD @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
1/2" R.C. CHANNEL
3 1/2" SOUND INSULATION
SEE U.L. DETAIL SHEET FOR FASTENERS, SPACING AND TYPE OF GYPSUM BOARD
7 1/4"

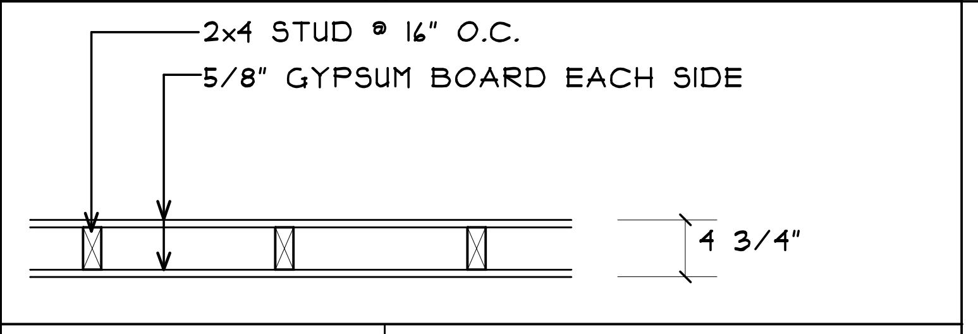
⑥ WALL TYPE	S.T.C. - 50
SCALE: 3/4"=1'-0"	RATING - 1 HOUR (LOAD BEARING)
	U.L. DESIGN NO. U305


2x4 STUD @ 16" O.C.
(2) LAYERS 5/8" GYPSUM BOARD EACH SIDE
3 1/2" SOUND INSULATION PER GENERAL EXPLANATORY NOTES #10 (18TH EDITION GYPSUM MANUAL)
SEE U.L. DETAIL SHEET FOR FASTENERS, SPACING AND TYPE OF GYPSUM BOARD
6"

⑪ WALL TYPE	S.T.C. - 48
SCALE: 3/4"=1'-0"	RATING - 2 HOUR (LOAD BEARING)
U.L. DESIGN NO. U301	G.A. DESIGN NO. WP 4135

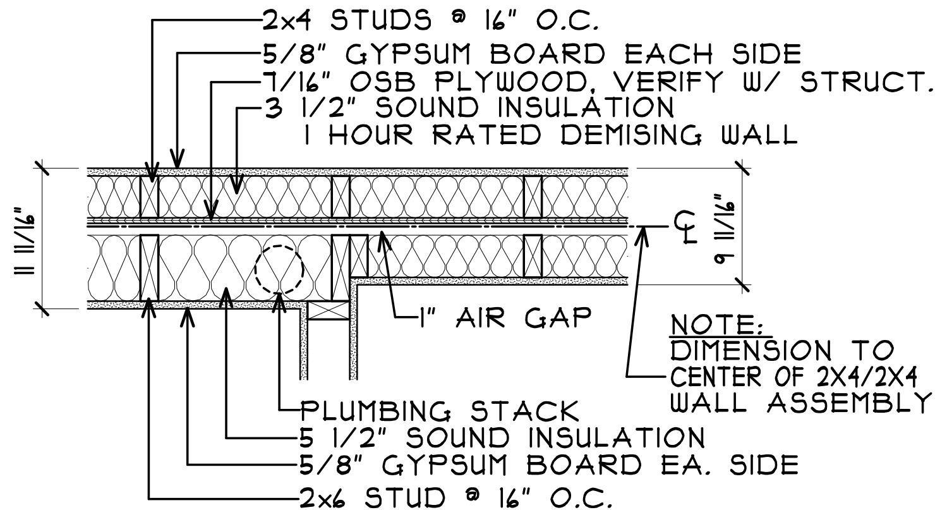

2x6 STUD @ 16" O.C.
(2) LAYERS 5/8" GYPSUM BOARD EACH SIDE
3 1/2" SOUND INSULATION
SEE U.L. DETAIL SHEET FOR FASTENERS, SPACING AND TYPE OF GYPSUM BOARD
8"

⑫ WALL TYPE	S.T.C. - 40 TO 44 (w/o INSUL.)
SCALE: 3/4"=1'-0"	RATING - 2 HOUR (LOAD BEARING)
U.L. DESIGN NO. U301	G.A. DESIGN NO. WP 4230


2x4 STUD @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
4 3/4"

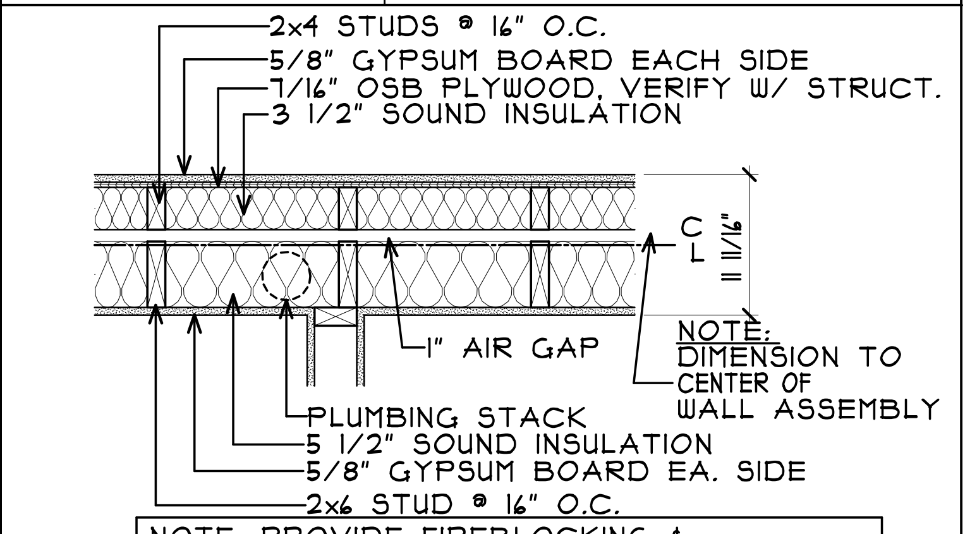
⑬ WALL TYPE	S.T.C. - 35
SCALE: 3/4"=1'-0"	RATING - NONE (LOAD BEARING)
	U.L. DESIGN NO.

NOTE: REVIEW STRUCTURAL PLANS FOR SHEAR WALL NOTES WHICH MAY HAVE ADDITIONAL REQUIREMENTS FOR PARTY WALLS AND CORRIDOR WALLS (ALLOW FOR REQUIRED THICKNESS WHEN FRAMING AND INSTALLING PLUMBING ROUGH-INS) NON-SYMMETRICAL WALL TYPES ARE DIMENSIONED TO CENTER LINE OF THE STUD (RC CHANNELS WILL BE ON THE CORRIDOR SIDE UNLESS NOTED OTHERWISE)


2x4 STUDS @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
7/16" OSB PLYWOOD, VERIFY W/ STRUCT.
3 1/2" SOUND INSULATION
1 HOUR RATED DEMISING WALL
11 11/16"
9 11/16"
C L
1" AIR GAP
NOTE: DIMENSION TO CENTER OF 2X4/2X4 WALL ASSEMBLY
PLUMBING STACK
5 1/2" SOUND INSULATION
5/8" GYPSUM BOARD EA. SIDE
2x6 STUD @ 16" O.C.

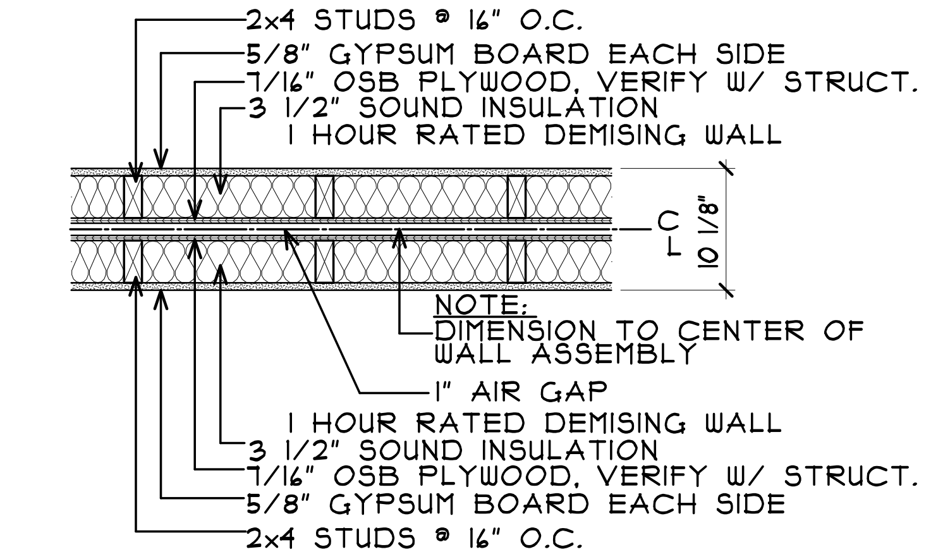
NOTE: PROVIDE FIREBLOCKING & DRAFTSTOPPING PER DETAILS 9 & 10/A801

㉔ WALL TYPE	S.T.C. 50+
SCALE: 3/4"=1'-0"	RATING - 1 HOUR (LOAD BEARING)
	GA FILE NO. WP 3370


2x4 STUDS @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
7/16" OSB PLYWOOD, VERIFY W/ STRUCT.
3 1/2" SOUND INSULATION
C L
11 11/16"
1" AIR GAP
NOTE: DIMENSION TO CENTER OF WALL ASSEMBLY
PLUMBING STACK
5 1/2" SOUND INSULATION
5/8" GYPSUM BOARD EA. SIDE
2x6 STUD @ 16" O.C.

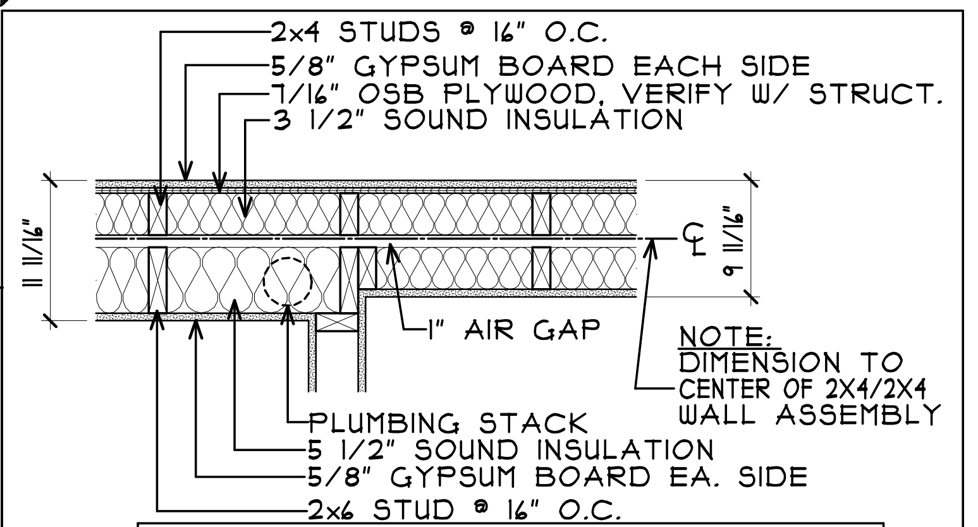
NOTE: PROVIDE FIREBLOCKING & DRAFTSTOPPING PER DETAILS 9 & 10/A801

㉕ WALL TYPE	S.T.C. 50+
SCALE: 3/4"=1'-0"	RATING - 1 HOUR (LOAD BEARING)
	GA FILE NO. WP 3370


2x4 STUDS @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
7/16" OSB PLYWOOD, VERIFY W/ STRUCT.
3 1/2" SOUND INSULATION
1 HOUR RATED DEMISING WALL
C L
10 1/8"
NOTE: DIMENSION TO CENTER OF WALL ASSEMBLY
1" AIR GAP
1 HOUR RATED DEMISING WALL
3 1/2" SOUND INSULATION
7/16" OSB PLYWOOD, VERIFY W/ STRUCT.
5/8" GYPSUM BOARD EACH SIDE
2x4 STUDS @ 16" O.C.

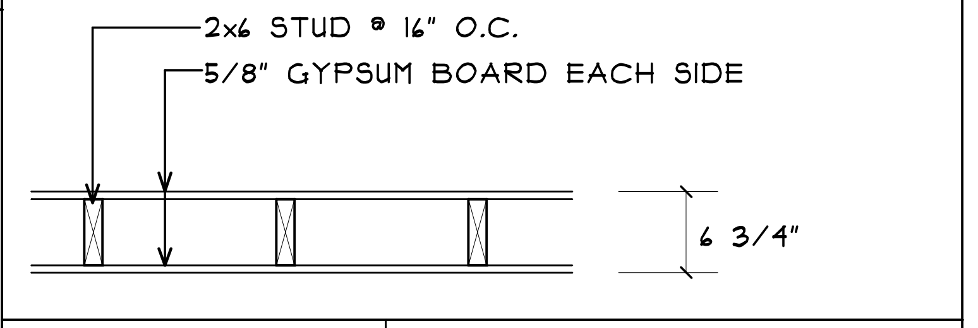
NOTE: PROVIDE FIREBLOCKING & DRAFTSTOPPING PER DETAILS 9 & 10/A801

㊲ WALL TYPE	S.T.C. 50+
SCALE: 3/4"=1'-0"	RATING - 1 HOUR (LOAD BEARING)
	GA FILE NO. WP 3370

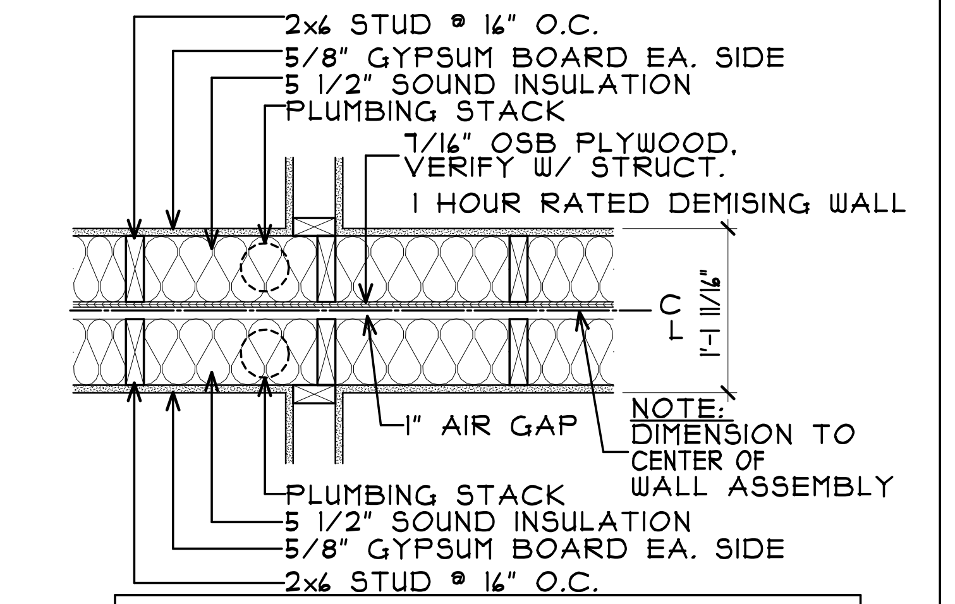

2x4 STUDS @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
7/16" OSB PLYWOOD, VERIFY W/ STRUCT.
3 1/2" SOUND INSULATION
11 11/16"
9 11/16"
C L
1" AIR GAP
NOTE: DIMENSION TO CENTER OF 2X4/2X4 WALL ASSEMBLY
PLUMBING STACK
5 1/2" SOUND INSULATION
5/8" GYPSUM BOARD EA. SIDE
2x6 STUD @ 16" O.C.

NOTE: PROVIDE FIREBLOCKING & DRAFTSTOPPING PER DETAILS 9 & 10/A801

24B WALL TYPE	S.T.C. 50+
SCALE: 3/4"=1'-0"	RATING - 1 HOUR (LOAD BEARING)
	GA FILE NO. WP 3370


2x6 STUD @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
6 3/4"

⑭ WALL TYPE	S.T.C. - 35
SCALE: 3/4"=1'-0"	RATING - NONE (LOAD BEARING)
	U.L. DESIGN NO.


2x6 STUD @ 16" O.C.
5/8" GYPSUM BOARD EA. SIDE
5 1/2" SOUND INSULATION
PLUMBING STACK
7/16" OSB PLYWOOD, VERIFY W/ STRUCT.
1 HOUR RATED DEMISING WALL
C L
1'-1 11/16"
1" AIR GAP
NOTE: DIMENSION TO CENTER OF WALL ASSEMBLY
PLUMBING STACK
5 1/2" SOUND INSULATION
5/8" GYPSUM BOARD EA. SIDE
2x6 STUD @ 16" O.C.

NOTE: PROVIDE FIREBLOCKING & DRAFTSTOPPING PER DETAILS 9 & 10/A801

㊳ WALL TYPE	S.T.C. 50+
SCALE: 3/4"=1'-0"	RATING - 1 HOUR (LOAD BEARING)
	GA FILE NO. WP 3370

UNIT PLAN NUMBER NOTES:

← #

TYPE "B" UNIT NOTES:

1. PRE-FINISHED METAL DECK W/ 42" HIGH PRE-FINISHED METAL GUARDRAILS AND INTERMEDIATE BALUSTERS 4" O.C. / CONCRETE PATIO, SLOPE AWAY FROM BLDG. AS REQ'D.
2. PROVIDE SCREEN ON SLIDING DOOR AS REQ'D.
3. HVAC UNIT. SEE MECHANICAL PLANS. PROVIDE REMOTE / WALL MOUNTED THERMOSTAT. SEE DETAIL 10/A301.
4. 42" HIGH HALF WALL, VERIFY CAP W/ OWNER.
5. UNIT ENTRY DOOR TO MEET THE REQUIREMENTS OF DETAIL 7/A301.
6. PANTRY/LINEN SHELF. VERIFY REQUIREMENTS WITH OWNER/G.C.
7. ELECTRICAL PANEL. INSTALL @ 48" A.F.F. VERIFY LOCATION WITH ELECTRICAL PLANS.
8. CLOTHES ROD & COATED WIRE SHELF @ 60" A.F.F.
9. FRONT LOADING WASHER INSTALLED LEFT OF DRYER. VERIFY STYLE WITH OWNER, SEE DETAIL 12B/A301.
10. FRONT LOADING DRYER. VERIFY STYLE WITH OWNER, SEE DETAIL 12B/A301.
11. STACKED CLOTHES WASHER & DRYER. SEE DETAIL 13B/A301. WASHER TO BE ON BOTTOM.
12. 2"x4" WOOD STUDS @ 16" O.C., SOUND INSULATION AT PARTY WALL w/ 5/8" GYPSUM BOARD ONE SIDE.
13. PRE-FABRICATED LINEN CABINET w/ ADJUSTABLE SHELVING BY CABINET SUPPLIER.
14. INSTALL 5/8" GYPSUM BOARD BEHIND TUB/SHOWER SURROUND TO MAINTAIN 1 HOUR FIRE RATING. SEE DETAIL 3/A801.
15. BATH TUB WITH FIBERGLASS SURROUND. PROVIDE BLOCKING FOR GRAB BARS. SEE DETAILS 11,1B-2B/A301. VERIFY ROUGH OPENING SIZE WITH G.C.
16. -
 -
17. WATER CLOSET. PROVIDE BLOCKING FOR FUTURE GRAB BARS. SEE DETAILS 1, 2, 3, 6B & 7B/A301.
18. CULTURED MARBLE VANITY TOP WITH SINK. SEE DETAILS 4 & 4B/A301.
19. GRANITE COUNTERTOP WITH BASE CABINETS AT 36" A.F.F. VERIFY BACK SPLASH WITH G.C.
20. GRANITE COUNTERTOP WITH EATING BAR AT 36" A.F.F.
21. LINE OF UPPER CABINETS SHOWN DASHED.
22. STAINLESS STEEL DOUBLE BOWL KITCHEN SINK. SEE DETAIL 11B/A301. PROVIDE LIGHT ABOVE SINK UNDER UPPER CABINETS. SEE ELECTRICAL PLANS.
23. DISHWASHER. SEE DETAIL 10B/A301.
24. REFRIGERATOR/FREEZER, VERIFY STYLE WITH G.C. SEE DETAIL 8B/A301.
25. RANGE WITH VENTLESS HOOD & ACCESSIBLE CONTROLS. PROVIDE BUILT IN MICROWAVE ABOVE, SEE DETAIL 9B/A301.
26. 2X FURRED WALL W/ 5/8" GYP. BD. TO CONCEAL A.C. UNIT. SEE PLANS, VERIFY W/ G.C.
27. 3/4" MAX. BEVELED THRESHOLD AT SLIDING PATIO DOOR W/ 1:2 MAX. SLOPE. SEE DETS. 16B &17A/A301.
28. PRE-FABRICATED PANTRY CABINET w/ ADJUSTABLE SHELVING BY CABINET SUPPLIER.
29. GYP. BD. BULKHEAD ABOVE SHOWN DASHED, VERIFY HEIGHT W/ OWNER.
30. BEARING WALL SHOWN HATCHED. WALL TO STACK WITH WALL BELOW / ABOVE, SEE STRUCTURAL DRAWINGS.

ADDITIONAL TYPE "A" UNIT NOTES:

31. THIS DOOR SHALL MEET ACCESSIBLE DOOR CLEARANCES. SEE DETAILS 7 & 15C/A301.
32. CLOTHES ROD & COATED WIRE SHELF. PROVIDE A PORTION @ 48" A.F.F. MAX. SEE DETAIL 18C/A301.
33. ACCESSIBLE TURNING CLEARANCE SHOWN DASHED, SEE DETAIL 14C/A301.
34. ACCESSIBLE SIDE BY SIDE CLOTHES WASHER & DRYER, SEE DETAIL 13C/A301. WASHER TO BE ON LEFT.
35. ACCESSIBLE BATH TUB WITH FIBERGLASS SURROUND. PROVIDE BLOCKING FOR GRAB BARS. SEE DETAILS 11 & 1A/A301. VERIFY ROUGH OPENING SIZES WITH G.C.
36. CEILING FAN; VERIFY MODEL WITH OWNER.
37. ACCESSIBLE WATER CLOSET. PROVIDE BLOCKING FOR GRAB BARS. SEE DETAILS 1,2,3 & 7C/A301.
38. CULTURED MARBLE VANITY W/ SINK, PROVIDE REMOVABLE CABINETRY BELOW SINK TO MEET THE REQUIREMENTS OF DET. 6C/A301. WALLS & FLOOR BELOW VANITY TO BE FINISHED, SEE DETS. 4A & 5A/A301.
39. GRANITE COUNTERTOP WITH BASE CABINETS AT 34" A.F.F. VERIFY BACK SPLASH WITH G.C.
40. STAINLESS STEEL DOUBLE BOWL SINK, PROVIDE MINI FLORESCENT LIGHT ABOVE SINK UNDER UPPER CABINETS. PROVIDE REMOVABLE CABINETRY BELOW TO MEET THE REQT'S. OF DETS. 9 & 11C/A301. WALLS & FLOOR BELOW SINK TO BE FINISHED, SEE DET. 11A/A301.
41. ACCESSIBLE DISHWASHER. SEE DETAIL 10C/A301.
42. ACCESSIBLE REFRIGERATOR/FREEZER. VERIFY STYLE WITH G.C. SEE DETAIL 8C/A301.
43. ACCESSIBLE RANGE WITH VENTLESS HOOD. SEE DETAILS 9 & 9C/A301.
44. ACCESSIBLE WORK AREA 30" WIDE MIN. W/ REMOVABLE CABINETRY UNDER COUNTER & SAME HEIGHT AS KITCHEN SINK, LOCATED ADJACENT TO STOVE, SEE DETS. 9 & 12A/A301. WALLS & FLOOR BELOW COUNTER TO BE FINISHED.
45. GRANITE COUNTERTOP WITH EATING BAR AT 34" A.F.F.
46. DASHED LINES INDICATE REQUIRED ADA CLEARANCES, SEE SHEET A301 FOR MORE INFORMATION.
47. CHANGE IN FLOORING MATERIAL, VERIFY W/ OWNER. PROVIDE ACOUSTIC MAT AT ALL HARD SURFACE AREAS.
48. 2 HR. FIRE BARRIER WALL W/ NO PENETRATIONS, SHOWN HATCHED.
49. 2"x6" WOOD STUDS @ 16" O.C.. SOUND INSULATION AT PARTY WALLS w/ 5/8" GYPSUM BOARD ONE SIDE.

COLE GROUP
ARCHITECTS LLC.
216 Park Avenue South
Suite 102
Saint Cloud, MN 56301
(320) 654-6570
www.colegrouparchitects.com

These documents are not valid for building permit unless signed in ink and over sealed. Copies are not valid.

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of MINNESOTA
Date 10-4-18 # 22288
Name NORMAN E. COLE Signature

DEVELOPER:
KB KELLER/BAARTMAN
PROPERTIES
RED WING, MN
(651) 388-0000

PROPOSED 108 UNIT:
PARK PLACE
APARTMENTS
RED WING, MN

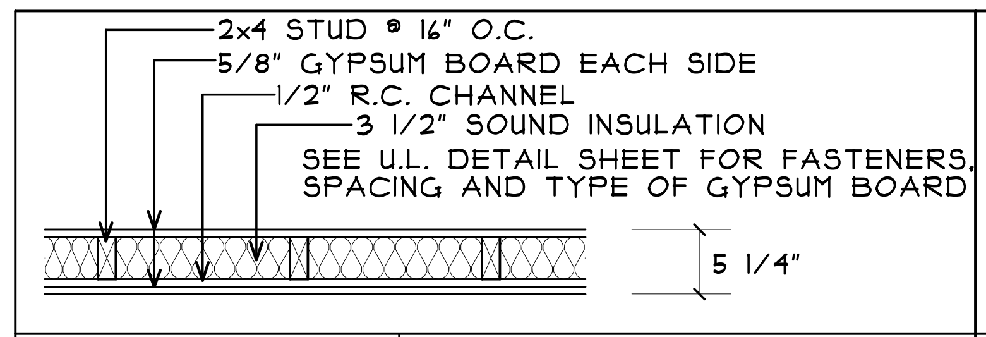
REVISIONS	COMMENTS

REVISIONS	COMMENTS

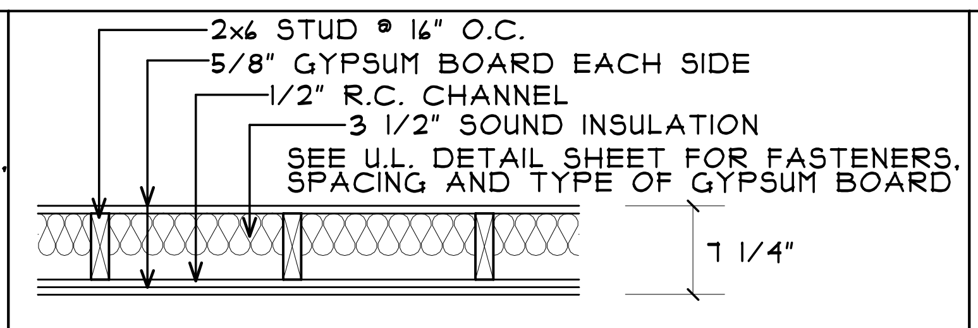
PLOTTED: 10-4-18 FILE: 18011U COM: 4

Project No.
18011
Submittal Date:
10-4-18
Document Set:
PERMIT SET

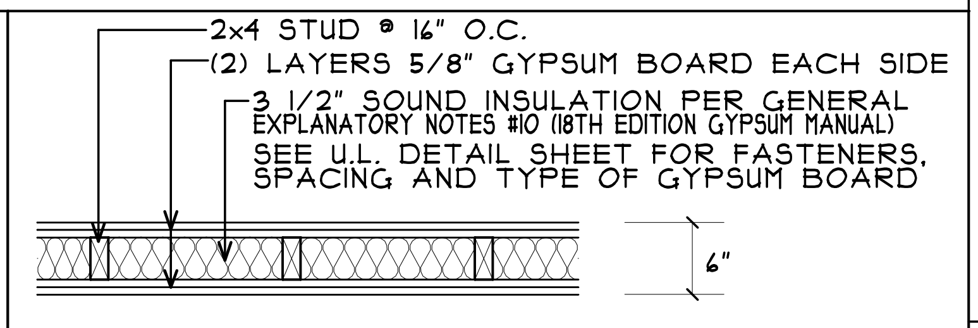
A203


2x4 STUD @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
1/2" R.C. CHANNEL
3 1/2" SOUND INSULATION
SEE U.L. DETAIL SHEET FOR FASTENERS, SPACING AND TYPE OF GYPSUM BOARD
5 1/4"

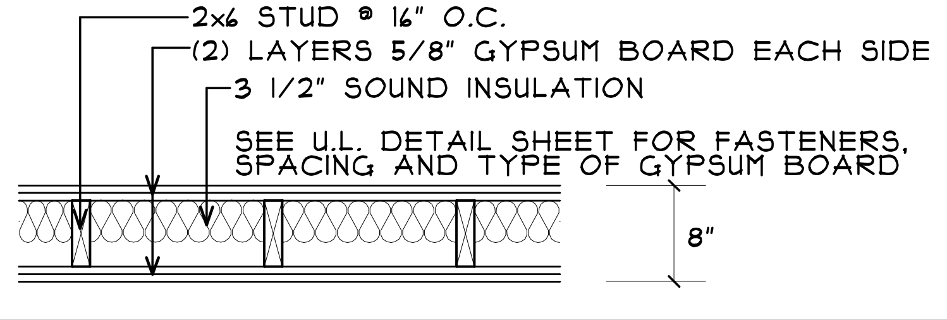
⑤ WALL TYPE SCALE: 3/4"=1'-0"
S.T.C. - 50
RATING - 1 HOUR (LOAD BEARING)
U.L. DESIGN NO. U305


2x6 STUD @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
1/2" R.C. CHANNEL
3 1/2" SOUND INSULATION
SEE U.L. DETAIL SHEET FOR FASTENERS, SPACING AND TYPE OF GYPSUM BOARD
7 1/4"

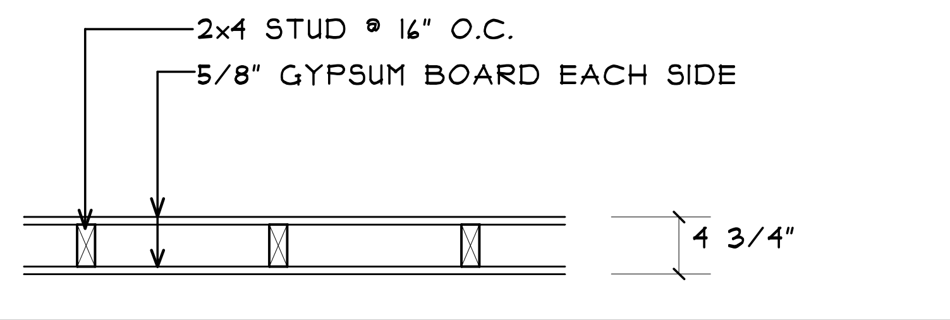
⑥ WALL TYPE SCALE: 3/4"=1'-0"
S.T.C. - 50
RATING - 1 HOUR (LOAD BEARING)
U.L. DESIGN NO. U305


2x4 STUD @ 16" O.C.
(2) LAYERS 5/8" GYPSUM BOARD EACH SIDE
3 1/2" SOUND INSULATION PER GENERAL EXPLANATORY NOTES #10 (18TH EDITION GYPSUM MANUAL)
SEE U.L. DETAIL SHEET FOR FASTENERS, SPACING AND TYPE OF GYPSUM BOARD
6"

⑪ WALL TYPE SCALE: 3/4"=1'-0"
S.T.C. - 48
RATING - 2 HOUR (LOAD BEARING)
U.L. DESIGN NO. U301
G.A. DESIGN NO. WP 4135

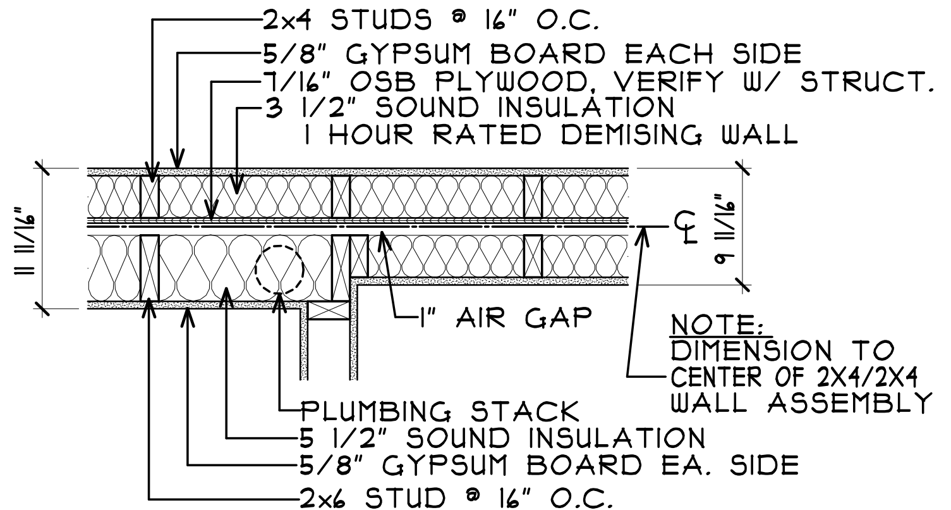

2x6 STUD @ 16" O.C.
(2) LAYERS 5/8" GYPSUM BOARD EACH SIDE
3 1/2" SOUND INSULATION
SEE U.L. DETAIL SHEET FOR FASTENERS, SPACING AND TYPE OF GYPSUM BOARD
8"

⑫ WALL TYPE SCALE: 3/4"=1'-0"
S.T.C. - 40 TO 44 (w/o INSUL.)
RATING - 2 HOUR (LOAD BEARING)
U.L. DESIGN NO. U301
G.A. DESIGN NO. WP 4230


2x4 STUD @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
4 3/4"

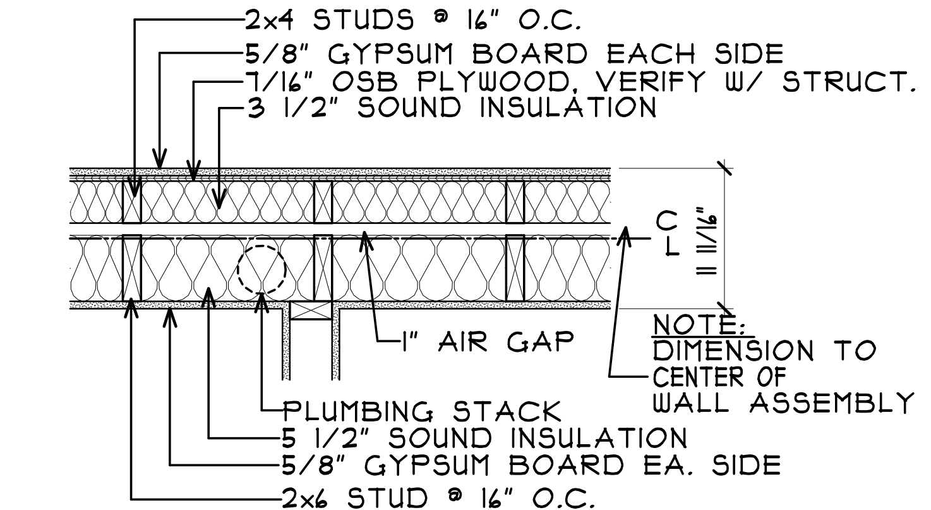
⑬ WALL TYPE SCALE: 3/4"=1'-0"
S.T.C. - 35
RATING - NONE (LOAD BEARING)
U.L. DESIGN NO.

NOTE: REVIEW STRUCTURAL PLANS FOR SHEAR WALL NOTES WHICH MAY HAVE ADDITIONAL REQUIREMENTS FOR PARTY WALLS AND CORRIDOR WALLS (ALLOW FOR REQUIRED THICKNESS WHEN FRAMING AND INSTALLING PLUMBING ROUGH-INS) NON-SYMMETRICAL WALL TYPES ARE DIMENSIONED TO CENTER LINE OF THE STUD (RC CHANNELS WILL BE ON THE CORRIDOR SIDE UNLESS NOTED OTHERWISE)


2x4 STUDS @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
7/16" OSB PLYWOOD, VERIFY W/ STRUCT.
3 1/2" SOUND INSULATION
1 HOUR RATED DEMISING WALL
11 11/16"
9 11/16"
C L
1" AIR GAP
NOTE: DIMENSION TO CENTER OF 2X4/2X4 WALL ASSEMBLY
PLUMBING STACK
5 1/2" SOUND INSULATION
5/8" GYPSUM BOARD EA. SIDE
2x6 STUD @ 16" O.C.

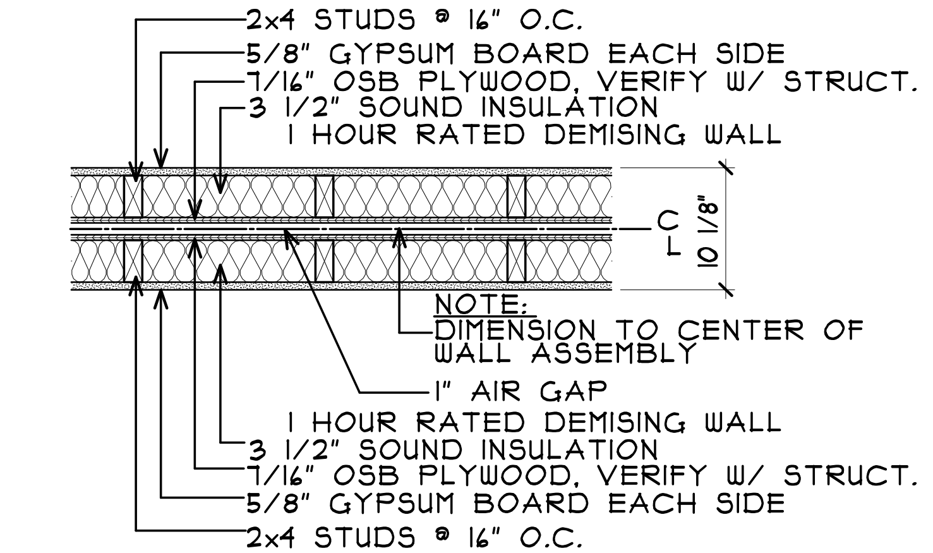
NOTE: PROVIDE FIREBLOCKING & DRAFTSTOPPING PER DETAILS 9 & 10/A801

㉔ WALL TYPE SCALE: 3/4"=1'-0"
S.T.C. 50+
RATING - 1 HOUR (LOAD BEARING)
GA FILE NO. WP 3370


2x4 STUDS @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
7/16" OSB PLYWOOD, VERIFY W/ STRUCT.
3 1/2" SOUND INSULATION
11 11/16"
C L
1" AIR GAP
NOTE: DIMENSION TO CENTER OF WALL ASSEMBLY
PLUMBING STACK
5 1/2" SOUND INSULATION
5/8" GYPSUM BOARD EA. SIDE
2x6 STUD @ 16" O.C.

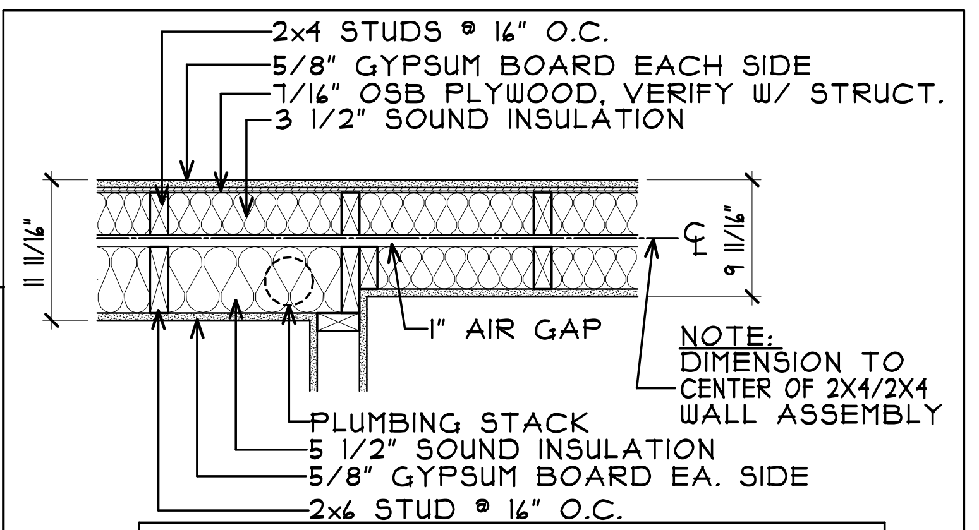
NOTE: PROVIDE FIREBLOCKING & DRAFTSTOPPING PER DETAILS 9 & 10/A801

㉕ WALL TYPE SCALE: 3/4"=1'-0"
S.T.C. 50+
RATING - 1 HOUR (LOAD BEARING)
GA FILE NO. WP 3370


2x4 STUDS @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
7/16" OSB PLYWOOD, VERIFY W/ STRUCT.
3 1/2" SOUND INSULATION
1 HOUR RATED DEMISING WALL
C L
10 1/8"
NOTE: DIMENSION TO CENTER OF WALL ASSEMBLY
1" AIR GAP
1 HOUR RATED DEMISING WALL
3 1/2" SOUND INSULATION
7/16" OSB PLYWOOD, VERIFY W/ STRUCT.
5/8" GYPSUM BOARD EACH SIDE
2x4 STUDS @ 16" O.C.

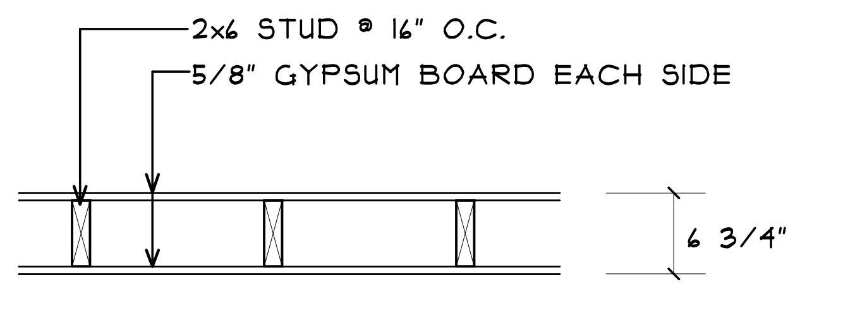
NOTE: PROVIDE FIREBLOCKING & DRAFTSTOPPING PER DETAILS 9 & 10/A801

㊲ WALL TYPE SCALE: 3/4"=1'-0"
S.T.C. 50+
RATING - 1 HOUR (LOAD BEARING)
GA FILE NO. WP 3370

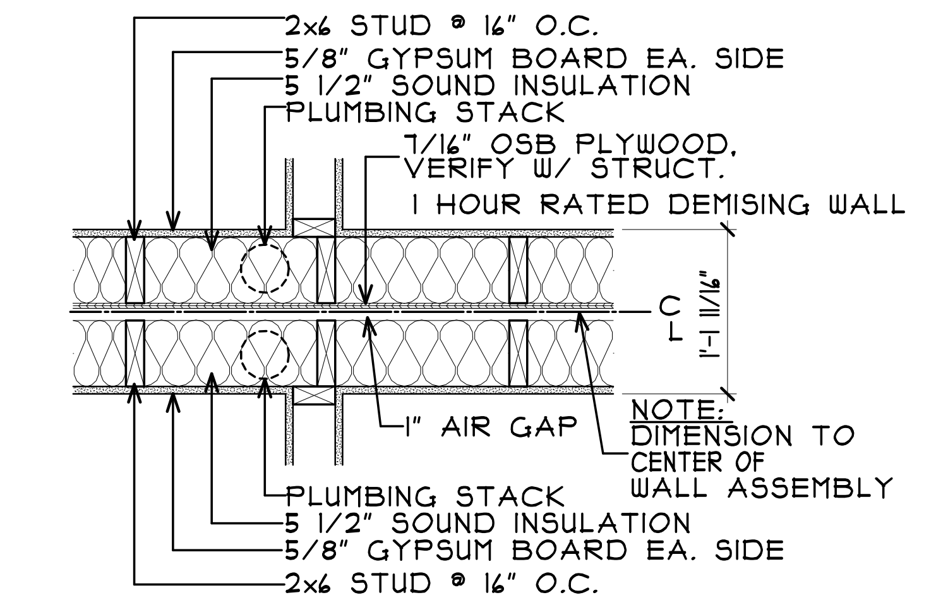

2x4 STUDS @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
7/16" OSB PLYWOOD, VERIFY W/ STRUCT.
3 1/2" SOUND INSULATION
11 11/16"
9 11/16"
C L
1" AIR GAP
NOTE: DIMENSION TO CENTER OF 2X4/2X4 WALL ASSEMBLY
PLUMBING STACK
5 1/2" SOUND INSULATION
5/8" GYPSUM BOARD EA. SIDE
2x6 STUD @ 16" O.C.

NOTE: PROVIDE FIREBLOCKING & DRAFTSTOPPING PER DETAILS 9 & 10/A801

24B WALL TYPE SCALE: 3/4"=1'-0"
S.T.C. 50+
RATING - 1 HOUR (LOAD BEARING)
GA FILE NO. WP 3370

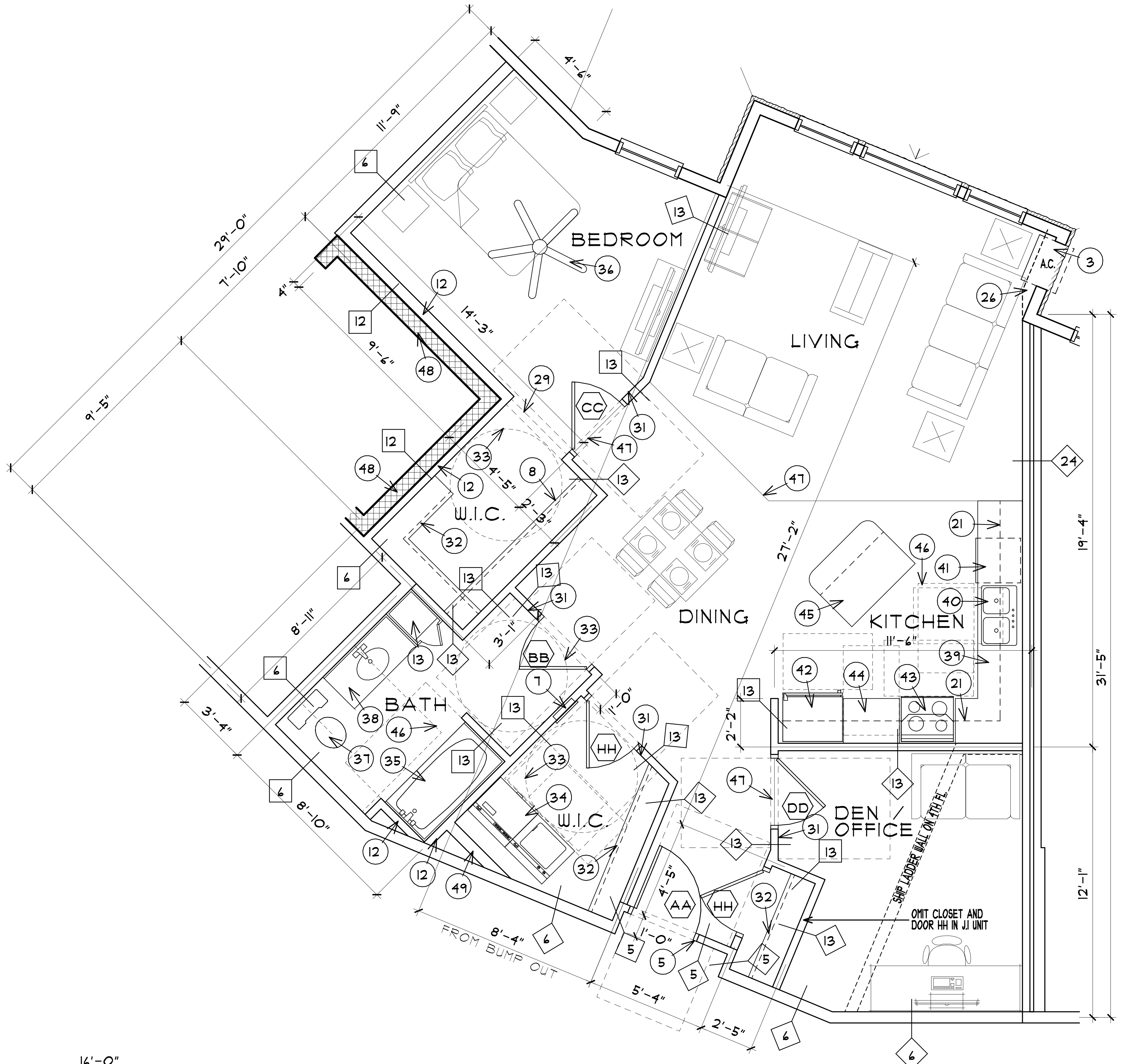

2x6 STUD @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
6 3/4"

⑭ WALL TYPE SCALE: 3/4"=1'-0"
S.T.C. - 35
RATING - NONE (LOAD BEARING)
U.L. DESIGN NO.


2x6 STUD @ 16" O.C.
5/8" GYPSUM BOARD EA. SIDE
5 1/2" SOUND INSULATION
PLUMBING STACK
7/16" OSB PLYWOOD, VERIFY W/ STRUCT.
1 HOUR RATED DEMISING WALL
C L
1'-1 11/16"
1" AIR GAP
NOTE: DIMENSION TO CENTER OF WALL ASSEMBLY
PLUMBING STACK
5 1/2" SOUND INSULATION
5/8" GYPSUM BOARD EA. SIDE
2x6 STUD @ 16" O.C.

NOTE: PROVIDE FIREBLOCKING & DRAFTSTOPPING PER DETAILS 9 & 10/A801

㊳ WALL TYPE SCALE: 3/4"=1'-0"
S.T.C. 50+
RATING - 1 HOUR (LOAD BEARING)
GA FILE NO. WP 3370

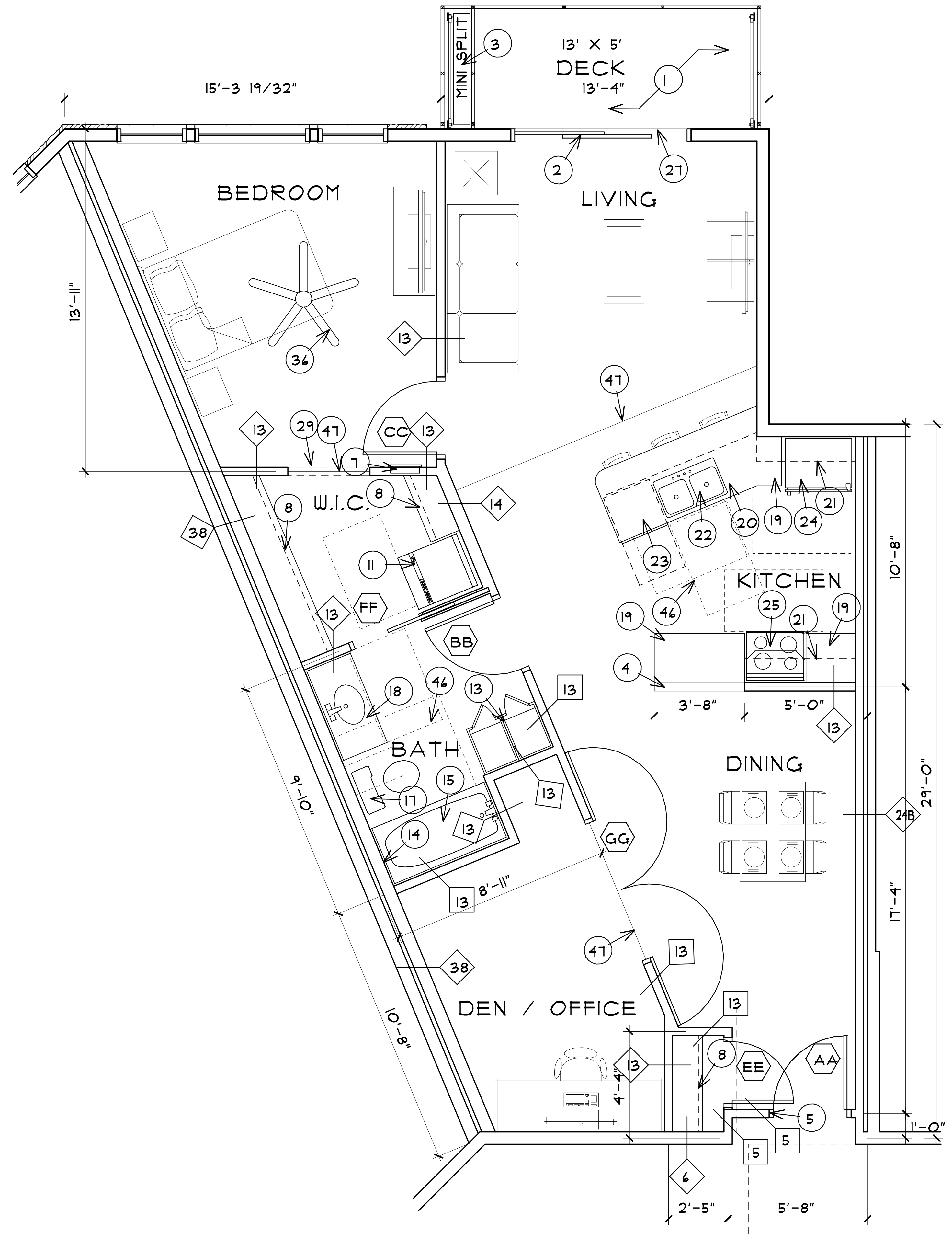

BEDROOM
LIVING
DINING
KITCHEN
BATH
W.I.C.
DEN / OFFICE
A.C.
29'-0"
7'-10"
14'-3"
9'-5"
9'-6"
8'-11"
3'-4"
8'-10"
27'-2"
19'-4"
31'-5"
12'-1"
11'-6"
8'-4"
5'-4"
2'-5"
FROM BUMP OUT
OMIT CLOSET AND DOOR HH IN J.1 UNIT

ONE BEDROOM UNIT "J"

SCALE: 1/4" = 1'-0"   TYPE "A"   1 TOTAL @ 1,060 S.F.

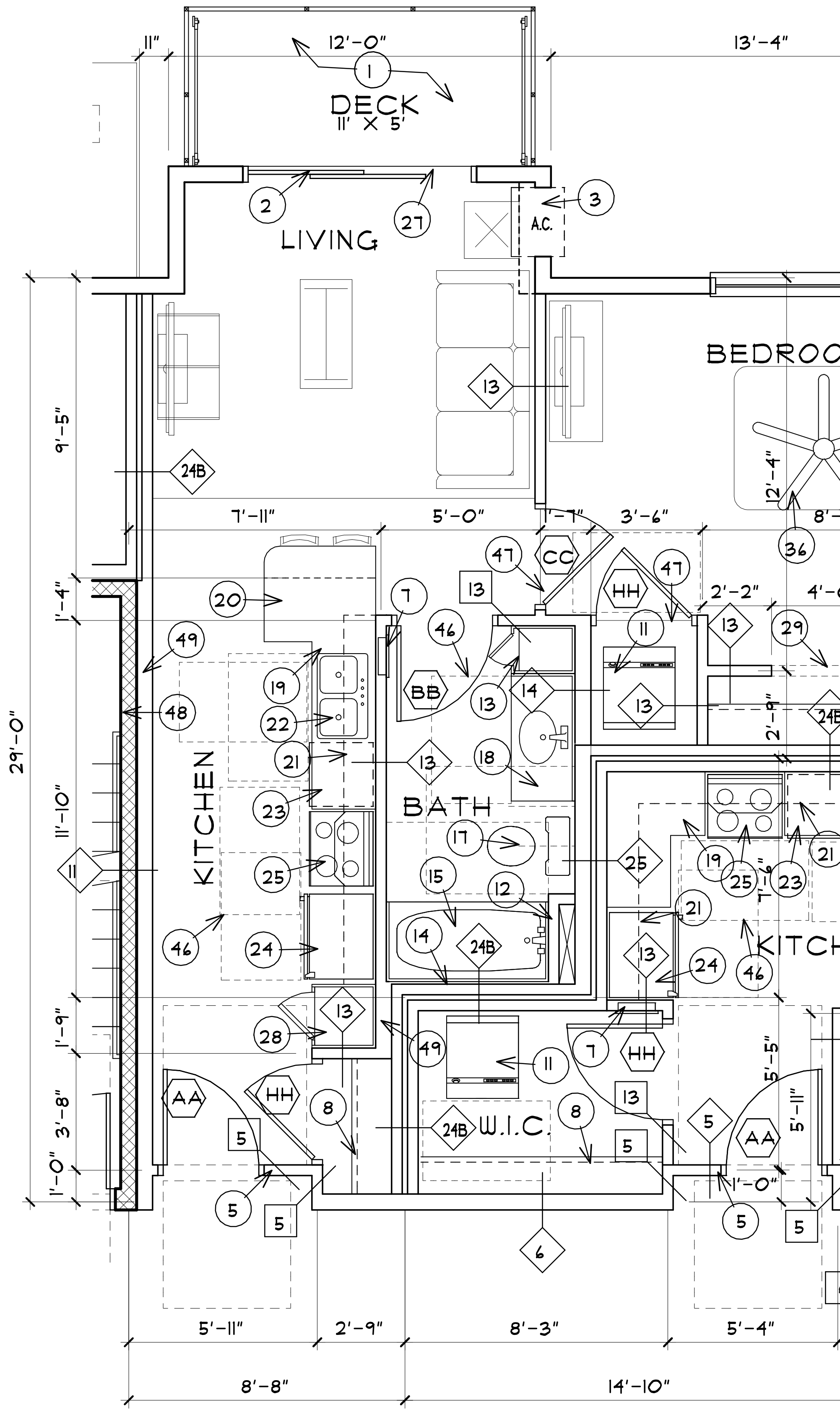
ONE BEDROOM UNIT "J.1"

SCALE: 1/4" = 1'-0"   TYPE "A"   1 TOTAL @ 995 S.F.


MINI SPLIT
13' X 5'
DECK
13'-4"
15'-3 19/32"
BEDROOM
LIVING
W.I.C.
KITCHEN
BATH
DINING
DEN / OFFICE
13'-11"
9'-6"
8'-11"
8'-10"
10'-8"
3'-8"
5'-0"
29'-0"
17'-4"
1'-0"
2'-5"
5'-8"

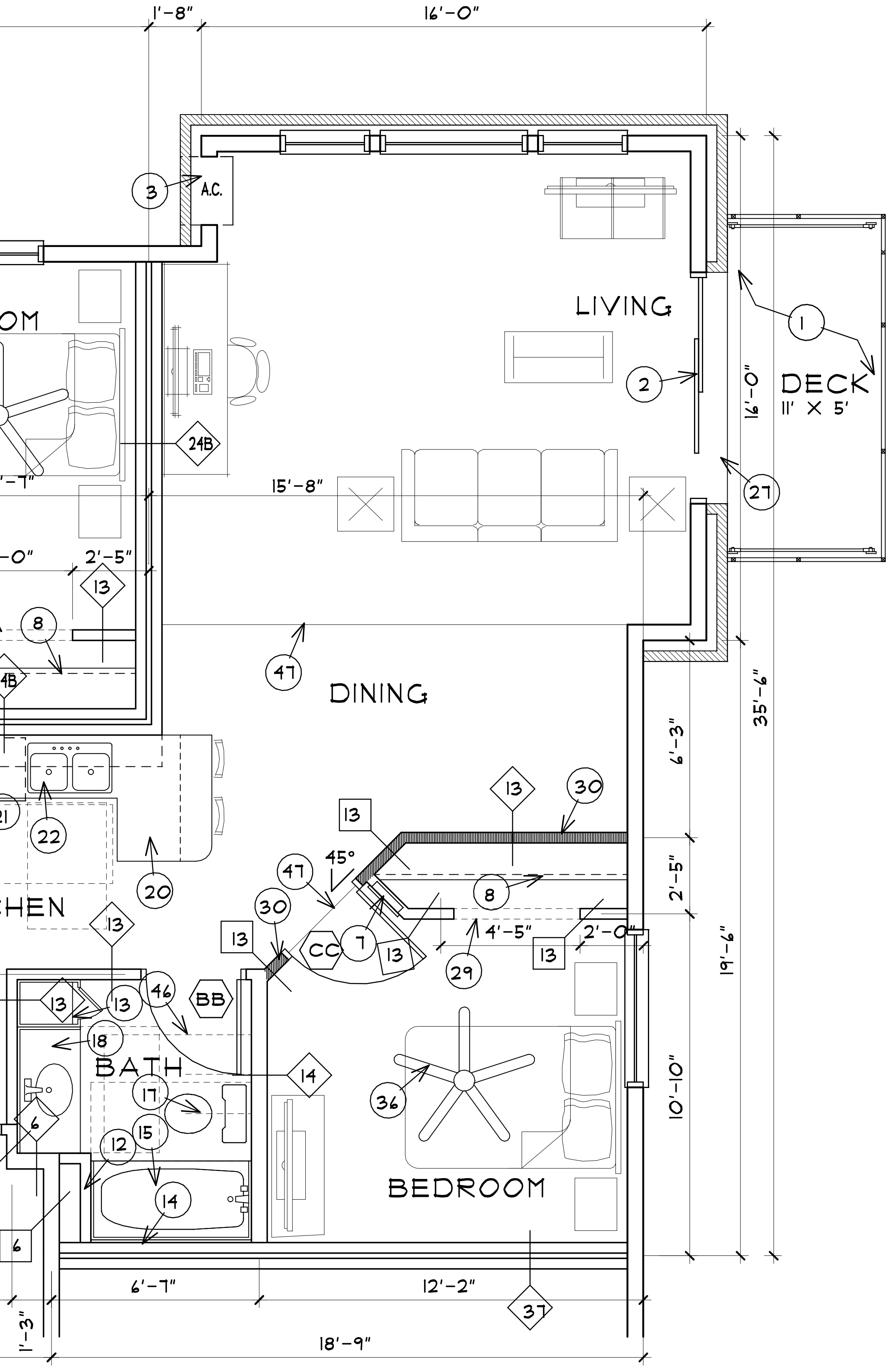
ONE BEDROOM UNIT "G"

SCALE: 1/4" = 1'-0"   TYPE "B"   6 TOTAL @ 936 S.F.


12'-0"
DECK
11' X 5'
LIVING
A.C.
KITCHEN
BATH
W.I.C.
13'-4"
7'-11"
5'-0"
9'-5"
11'-10"
29'-0"
3'-8"
5'-11"
2'-9"
8'-3"
8'-8"
14'-10"

ONE BEDROOM UNIT "F"

SCALE: 1/4" = 1'-0"   TYPE "B"   8 TOTAL EACH @ 598 S.F.


1'-8"
16'-0"
A.C.
BEDROOM
LIVING
DECK
11' X 5'
DINING
KITCHEN
BATH
BEDROOM
15'-8"
35'-4"
19'-6"
10'-1"
5'-4"
6'-7"
12'-2"
18'-9"

ONE BEDROOM UNIT "E"

SCALE: 1/4" = 1'-0"   TYPE "B"   8 TOTAL EACH @ 792 S.F.

UNIT PLAN NUMBER NOTES:

← #

TYPE "B" UNIT NOTES:

1. PRE-FINISHED METAL DECK W/ 42" HIGH PRE-FINISHED METAL GUARDRAILS AND INTERMEDIATE BALUSTERS 4" O.C. / CONCRETE PATIO, SLOPE AWAY FROM BLDG. AS REQ'D.
2. PROVIDE SCREEN ON SLIDING DOOR AS REQ'D.
3. HVAC UNIT. SEE MECHANICAL PLANS. PROVIDE REMOTE / WALL MOUNTED THERMOSTAT. SEE DETAIL 10/A301.
4. 42" HIGH HALF WALL, VERIFY CAP W/ OWNER.
5. UNIT ENTRY DOOR TO MEET THE REQUIREMENTS OF DETAIL 7/A301.
6. PANTRY/LINEN SHELF. VERIFY REQUIREMENTS WITH OWNER/G.C.
7. ELECTRICAL PANEL. INSTALL @ 48" A.F.F. VERIFY LOCATION WITH ELECTRICAL PLANS.
8. CLOTHES ROD & COATED WIRE SHELF @ 60" A.F.F.
9. FRONT LOADING WASHER INSTALLED LEFT OF DRYER. VERIFY STYLE WITH OWNER, SEE DETAIL 12B/A301.
10. FRONT LOADING DRYER. VERIFY STYLE WITH OWNER, SEE DETAIL 12B/A301.
11. STACKED CLOTHES WASHER & DRYER. SEE DETAIL 13B/A301. WASHER TO BE ON BOTTOM.
12. 2"x4" WOOD STUDS @ 16" O.C., SOUND INSULATION AT PARTY WALL w/ 5/8" GYPSUM BOARD ONE SIDE.
13. PRE-FABRICATED LINEN CABINET w/ ADJUSTABLE SHELVING BY CABINET SUPPLIER.
14. INSTALL 5/8" GYPSUM BOARD BEHIND TUB/SHOWER SURROUND TO MAINTAIN 1 HOUR FIRE RATING. SEE DETAIL 3/A801.
15. BATH TUB WITH FIBERGLASS SURROUND. PROVIDE BLOCKING FOR GRAB BARS. SEE DETAILS 1I,1B-2B/A301. VERIFY ROUGH OPENING SIZE WITH G.C.
16. -
    -
17. WATER CLOSET. PROVIDE BLOCKING FOR FUTURE GRAB BARS. SEE DETAILS 1, 2, 3, 6B & 7B/A301.
18. CULTURED MARBLE VANITY TOP WITH SINK. SEE DETAILS 4 & 4B/A301.
19. GRANITE COUNTERTOP WITH BASE CABINETS AT 36" A.F.F. VERIFY BACK SPLASH WITH G.C.
20. GRANITE COUNTERTOP WITH EATING BAR AT 36" A.F.F.
21. LINE OF UPPER CABINETS SHOWN DASHED.
22. STAINLESS STEEL DOUBLE BOWL KITCHEN SINK. SEE DETAIL 11B/A301. PROVIDE LIGHT ABOVE SINK UNDER UPPER CABINETS. SEE ELECTRICAL PLANS.
23. DISHWASHER. SEE DETAIL 10B/A301.
24. REFRIGERATOR/FREEZER, VERIFY STYLE WITH G.C. SEE DETAIL 8B/A301.
25. RANGE WITH VENTLESS HOOD & ACCESSIBLE CONTROLS. PROVIDE BUILT IN MICROWAVE ABOVE, SEE DETAIL 9B/A301.
26. 2X FURRED WALL W/ 5/8" GYP. BD. TO CONCEAL A.C. UNIT. SEE PLANS, VERIFY W/ G.C.
27. 3/4" MAX. BEVELED THRESHOLD AT SLIDING PATIO DOOR W/ 1:2 MAX. SLOPE. SEE DETS. 16B &17A/A301.
28. PRE-FABRICATED PANTRY CABINET w/ ADJUSTABLE SHELVING BY CABINET SUPPLIER.
29. GYP. BD. BULKHEAD ABOVE SHOWN DASHED, VERIFY HEIGHT W/ OWNER.
30. BEARING WALL SHOWN HATCHED. WALL TO STACK WITH WALL BELOW / ABOVE, SEE STRUCTURAL DRAWINGS.

ADDITIONAL TYPE "A" UNIT NOTES:

31. THIS DOOR SHALL MEET ACCESSIBLE DOOR CLEARANCES. SEE DETAILS 7 & 15C/A301.
32. CLOTHES ROD & COATED WIRE SHELF. PROVIDE A PORTION @ 48" A.F.F. MAX. SEE DETAIL 18C/A301.
33. ACCESSIBLE TURNING CLEARANCE SHOWN DASHED, SEE DETAIL 14C/A301.
34. ACCESSIBLE SIDE BY SIDE CLOTHES WASHER & DRYER, SEE DETAIL 13C/A301. WASHER TO BE ON LEFT.
35. ACCESSIBLE BATH TUB WITH FIBERGLASS SURROUND. PROVIDE BLOCKING FOR GRAB BARS. SEE DETAILS 11 & 1A/A301. VERIFY ROUGH OPENING SIZES WITH G.C.
36. CEILING FAN; VERIFY MODEL WITH OWNER.
37. ACCESSIBLE WATER CLOSET. PROVIDE BLOCKING FOR GRAB BARS. SEE DETAILS 1,2,3 & 7C/A301.
38. CULTURED MARBLE VANITY W/ SINK, PROVIDE REMOVABLE CABINETRY BELOW SINK TO MEET THE REQUIREMENTS OF DET. 6C/A301. WALLS & FLOOR BELOW VANITY TO BE FINISHED, SEE DETS. 4A & 5A/A301.
39. GRANITE COUNTERTOP WITH BASE CABINETS AT 34" A.F.F. VERIFY BACK SPLASH WITH G.C.
40. STAINLESS STEEL DOUBLE BOWL SINK, PROVIDE MINI FLORESCENT LIGHT ABOVE SINK UNDER UPPER CABINETS. PROVIDE REMOVABLE CABINETRY BELOW TO MEET THE REQT'S. OF DETS. 9 & 11C/A301. WALLS & FLOOR BELOW SINK TO BE FINISHED, SEE DET. 11A/A301.
41. ACCESSIBLE DISHWASHER. SEE DETAIL 10C/A301.
42. ACCESSIBLE REFRIGERATOR/FREEZER. VERIFY STYLE WITH G.C. SEE DETAIL 8C/A301.
43. ACCESSIBLE RANGE WITH VENTLESS HOOD. SEE DETAILS 9 & 9C/A301.
44. ACCESSIBLE WORK AREA 30" WIDE MIN. W/ REMOVABLE CABINETRY UNDER COUNTER & SAME HEIGHT AS KITCHEN SINK, LOCATED ADJACENT TO STOVE, SEE DETS. 9 & 12A/A301. WALLS & FLOOR BELOW COUNTER TO BE FINISHED.
45. GRANITE COUNTERTOP WITH EATING BAR AT 34" A.F.F.
46. DASHED LINES INDICATE REQUIRED ADA CLEARANCES, SEE SHEET A301 FOR MORE INFORMATION.
47. CHANGE IN FLOORING MATERIAL, VERIFY W/ OWNER. PROVIDE ACOUSTIC MAT AT ALL HARD SURFACE AREAS.
48. 2 HR. FIRE BARRIER WALL W/ NO PENETRATIONS, SHOWN HATCHED.
49. 2"x6" WOOD STUDS @ 16" O.C.. SOUND INSULATION AT PARTY WALLS w/ 5/8" GYPSUM BOARD ONE SIDE.

PLOTTED: 10-4-18   FILE: 18011U   COM: 4

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I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of MINNESOTA
Date 10-4-18   # 22288
Name NORMAN E. COLE Signature

DEVELOPER:
KELLER/BAARTMAN PROPERTIES
RED WING, MN
(651) 388-0000

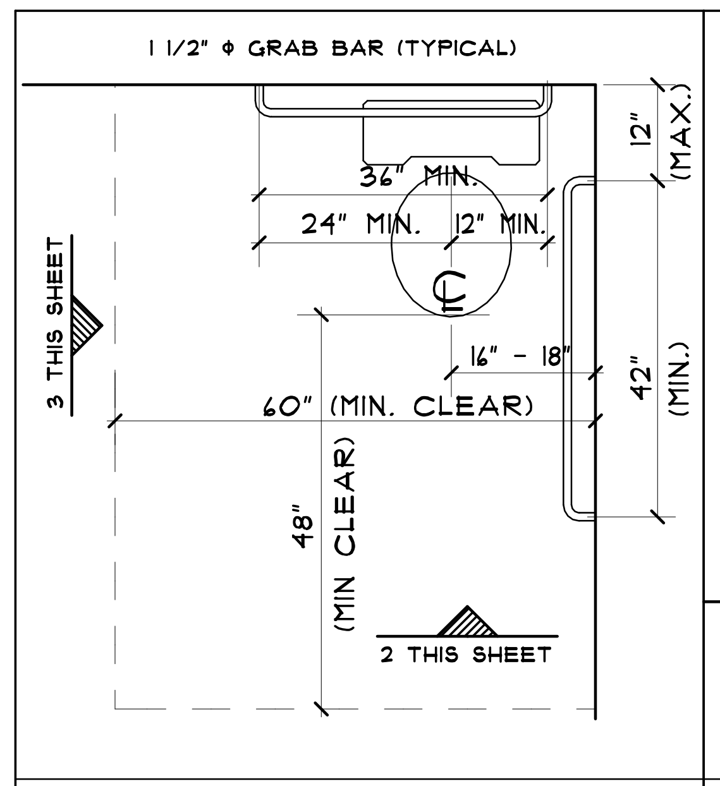
PROPOSED 108 UNIT:
PARK PLACE APARTMENTS
RED WING, MN

REVISIONS	COMMENTS

REVISIONS	COMMENTS

Project No.
18011
Submittal Date:
10-4-18
Document Set:
PERMIT SET

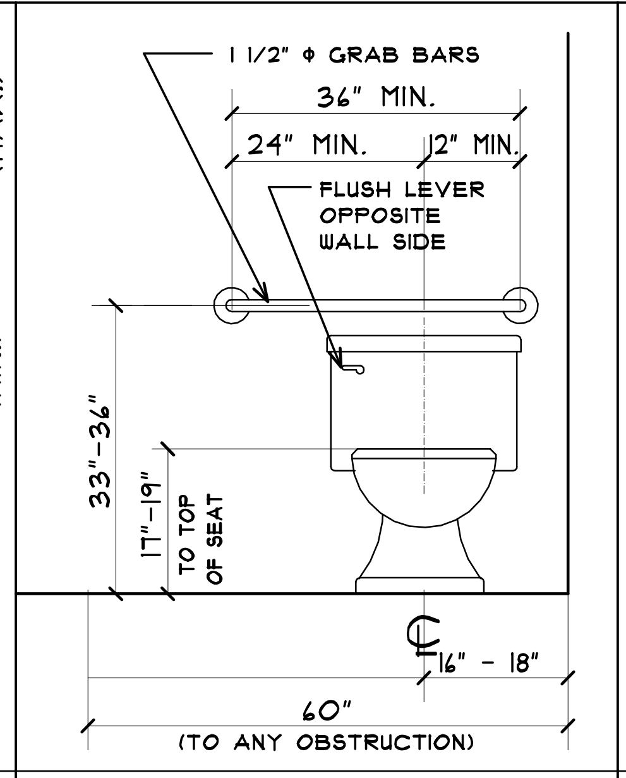
A204


1 1/2" ⌀ GRAB BAR (TYPICAL)
36" MIN.
24" MIN.
12" MIN.
16" - 18"
60" (MIN. CLEAR)
48" (MIN CLEAR)
12" (MAX.)
42" (MIN.)
3 THIS SHEET
2 THIS SHEET

SEE ICC/ANSI A117.1 - CHAPTER 6 & 10

1 FLOOR CLEARANCE IN PLAN

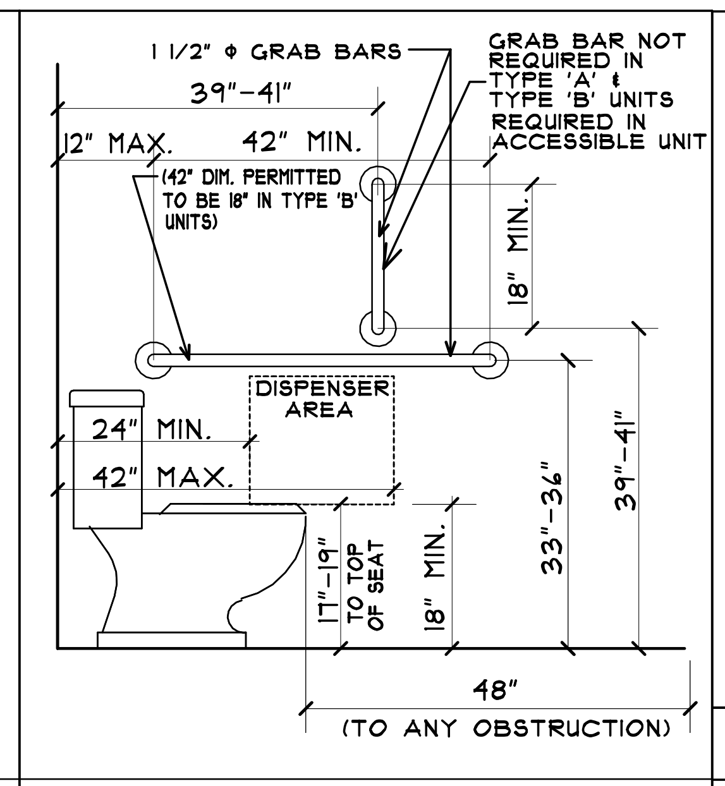
SCALE: 1/2" = 1'-0"


1 1/2" ⌀ GRAB BARS
36" MIN.
24" MIN.
12" MIN.
FLUSH LEVER OPPOSITE WALL SIDE
33"-36"
17"-19" TO TOP OF SEAT
16" - 18"
60" (TO ANY OBSTRUCTION)

SEE ICC/ANSI A117.1 - CHAPTER 6 & 10

2 REAR WALL GRAB BAR ELEVATION

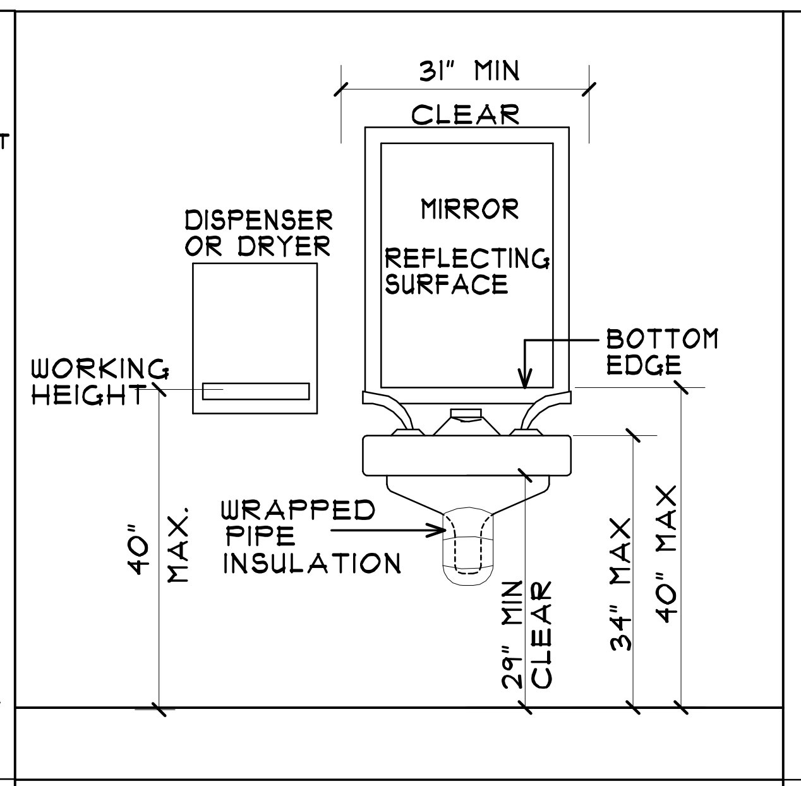
SCALE: 1/2" = 1'-0"


1 1/2" ⌀ GRAB BARS
GRAB BAR NOT REQUIRED IN TYPE 'A' & TYPE 'B' UNITS REQUIRED IN ACCESSIBLE UNIT
39"-41"
12" MAX.
42" MIN.
(42" DIM. PERMITTED TO BE 18" IN TYPE 'B' UNITS)
18" MIN.
DISPENSER AREA
24" MIN.
42" MAX.
17"-19" TO TOP OF SEAT
18" MIN.
33"-36"
39"-41"
48" (TO ANY OBSTRUCTION)

SEE ICC/ANSI A117.1 - CHAPTER 6 & 10

3 SIDE WALL GRAB BAR ELEVATION

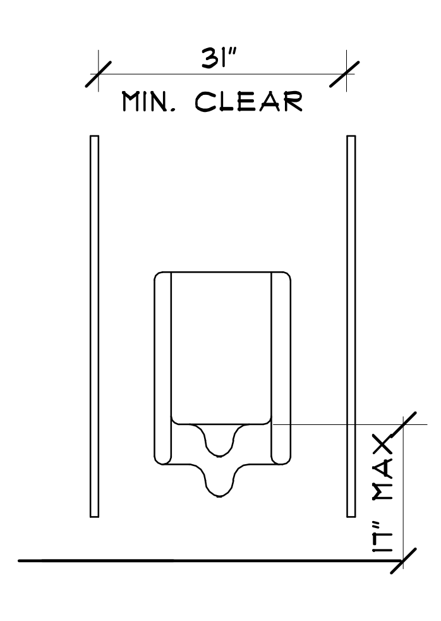
SCALE: 1/2" = 1'-0"


31" MIN CLEAR
DISPENSER OR DRYER
MIRROR
REFLECTING SURFACE
BOTTOM EDGE
WORKING HEIGHT
40" MAX.
WRAPPED PIPE INSULATION
29" MIN CLEAR
34" MAX
40" MAX

SEE PART 1340.0300,SUB PART 1 OF STATE CODE

4 LAVATORY AND ACCESSORIES

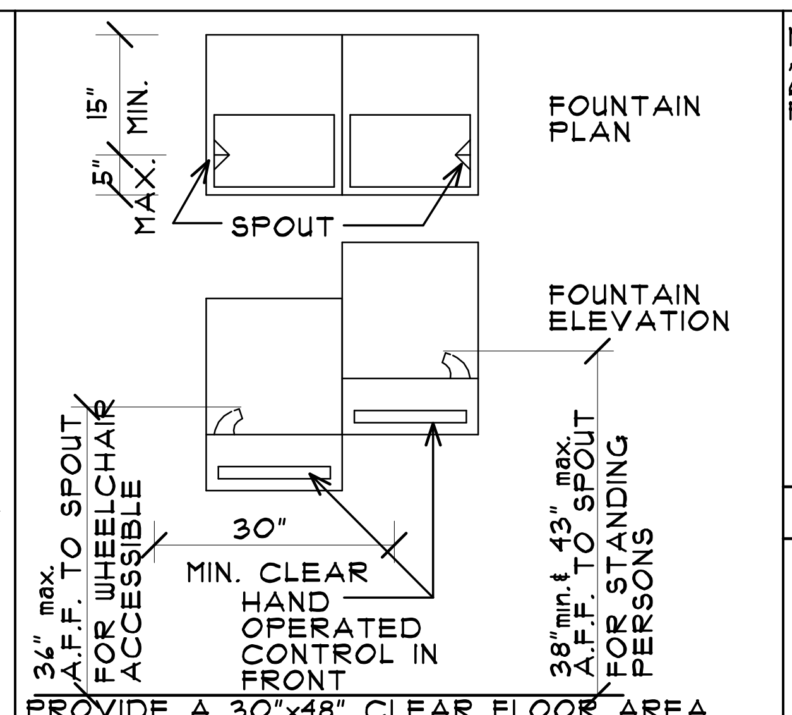
SCALE: 1/2" = 1'-0"


31" MIN. CLEAR
17" MAX

SEE ICC/ANSI A117.1 - CHAPTER 6

5 ACCESSIBLE URINAL

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


15" MIN.
5" MAX.
SPOUT
FOUNTAIN PLAN
FOUNTAIN ELEVATION
36" max. A.F.F. TO SPOUT FOR WHEELCHAIR ACCESSIBLE
30" MIN. CLEAR
HAND OPERATED CONTROL IN FRONT
38" min. & 43" max. A.F.F. TO SPOUT FOR STANDING PERSONS

PROVIDE A 30"x48" CLEAR FLOOR AREA FOR A FORWARD APPROACH TO FOUNTAIN FOR A WHEELCHAIR ACCESSIBLE FOUNTAIN

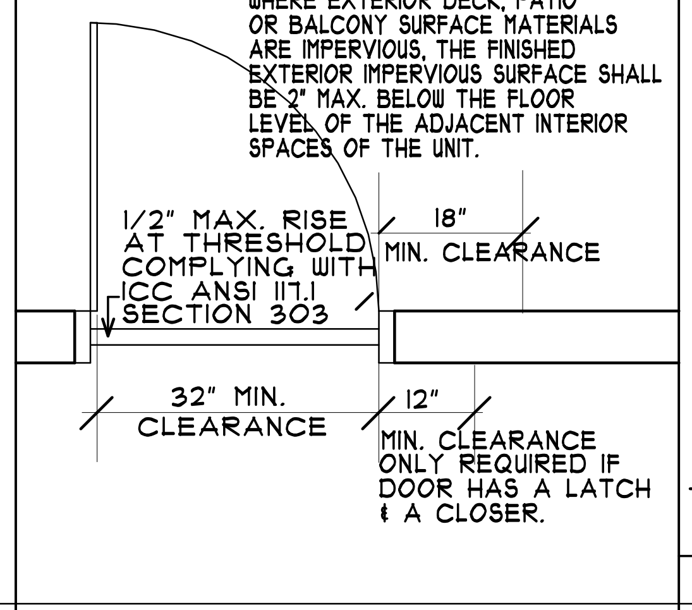
SEE ICC/ANSI A117.1 - CHAPTER 6

6 ACCESSIBLE DRINKING FOUNTAIN

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

NOTE: IF ACCESSIBLE DWELLING UNIT DOOR HAS AN EYE VIEWER, MOUNTING HEIGHT SHOULD BE 60" A.F.F. A LOWER EYE VIEWER SHOULD BE PROVIDED AT 43" A.F.F. MAX.

TYPE "B" UNITS NOTE: WHERE EXTERIOR DECK, PATIO OR BALCONY SURFACE MATERIALS ARE IMPERVIOUS, THE FINISHED EXTERIOR IMPERVIOUS SURFACE SHALL BE 2" MAX. BELOW THE FLOOR LEVEL OF THE ADJACENT INTERIOR SPACES OF THE UNIT.

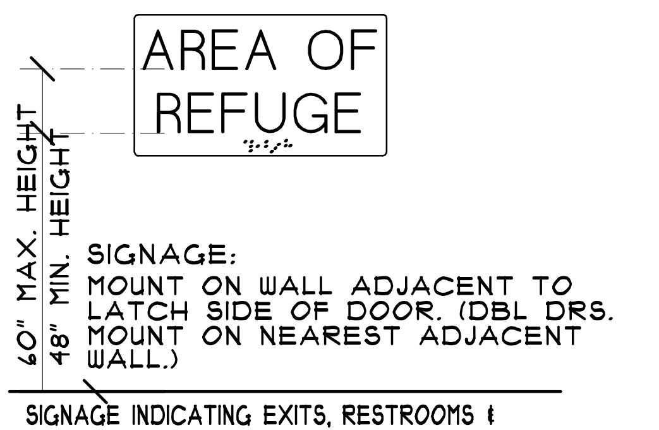

1/2" MAX. RISE AT THRESHOLD COMPLYING WITH ICC ANSI 117.1 SECTION 303
18" MIN. CLEARANCE
32" MIN. CLEARANCE
12" MIN. CLEARANCE ONLY REQUIRED IF DOOR HAS A LATCH & A CLOSER.

SEE ICC/ANSI A117.1 - CHAPTER 4

7 REQUIRED DOOR CLEARANCES

TYPICAL ALL DOORS (N.T.S.)

INTERNATIONAL SYMBOL OF ACCESSIBILITY:
1.) ACCESSIBLE PARKING SPACES.
2.) ACCESSIBLE AREAS OF REFUGE.
3.) ACCESSIBLE PASSENGER LOADING ZONE.
4.) ACCESSIBLE TOILET.


AREA OF REFUGE
60" MAX. HEIGHT
48" MIN. HEIGHT

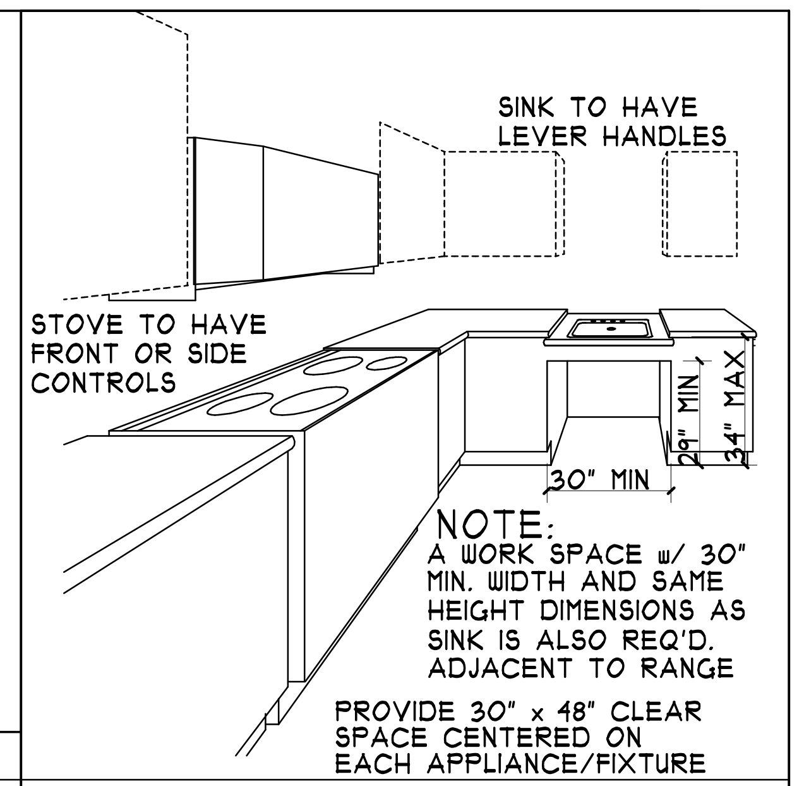
SIGNAGE: MOUNT ON WALL ADJACENT TO LATCH SIDE OF DOOR. (DBL DRS. MOUNT ON NEAREST ADJACENT WALL.)

SIGNAGE INDICATING EXITS, RESTROOMS & NUMBERED ROOMS SHALL BE IN BRAILLE

SEE ICC/ANSI A117.1 - CHAPTER 7

8 ACCESSIBLE ROOM/SPACE SIGNAGE

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


SINK TO HAVE LEVER HANDLES
STOVE TO HAVE FRONT OR SIDE CONTROLS
29" MIN.
34" MAX
30" MIN

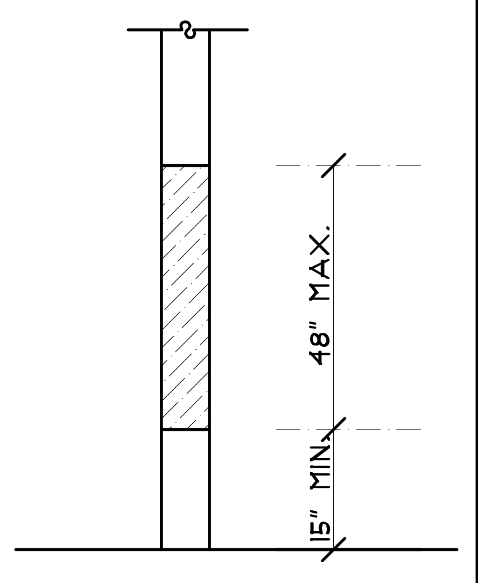
NOTE: A WORK SPACE w/ 30" MIN. WIDTH AND SAME HEIGHT DIMENSIONS AS SINK IS ALSO REQ'D. ADJACENT TO RANGE

PROVIDE 30" x 48" CLEAR SPACE CENTERED ON EACH APPLIANCE/FIXTURE

SEE ICC/ANSI A117.1 - CHAPTER 6 & 10

9 ACCESSIBLE KITCHEN

SCALE: NONE

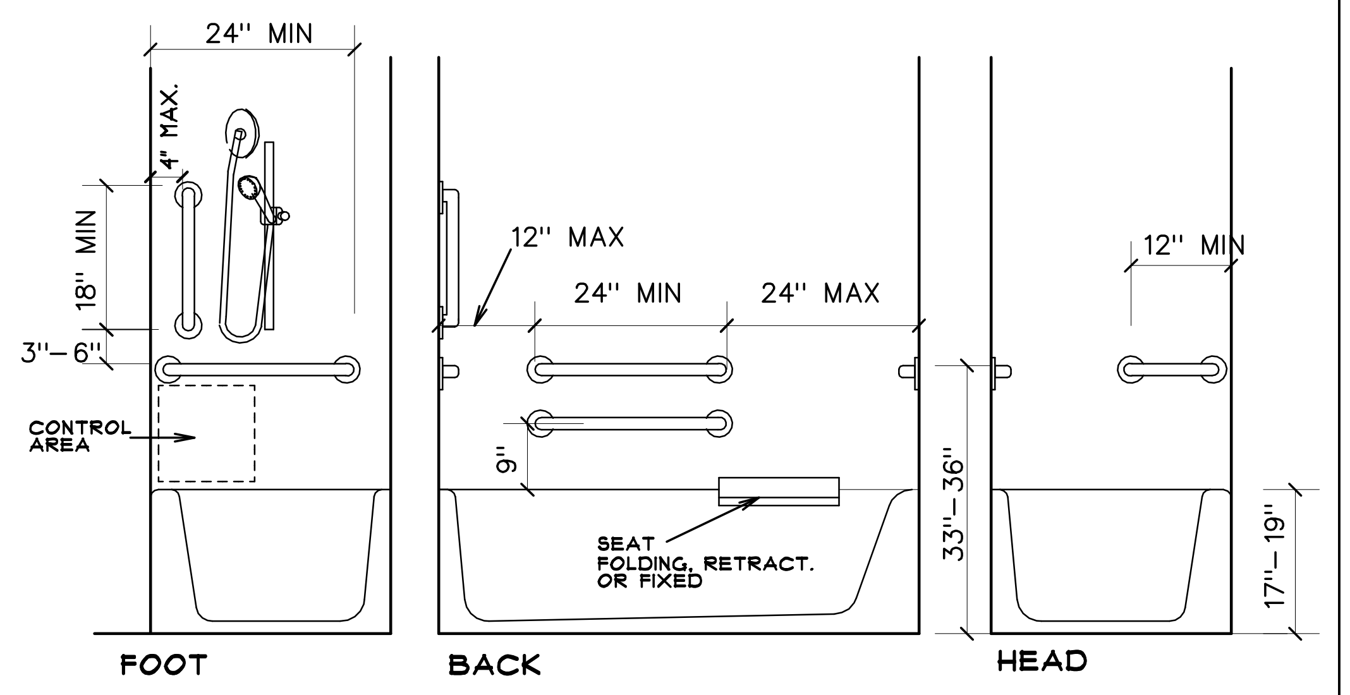

48" MAX.
15" MIN.

ACCESSIBLE UNOBSTRUCTED FORWARD AND SIDE REACH RANGES

SEE ICC/ANSI A117.1 - CHAPTER 3

10 ACCESSIBLE REACH RANGES

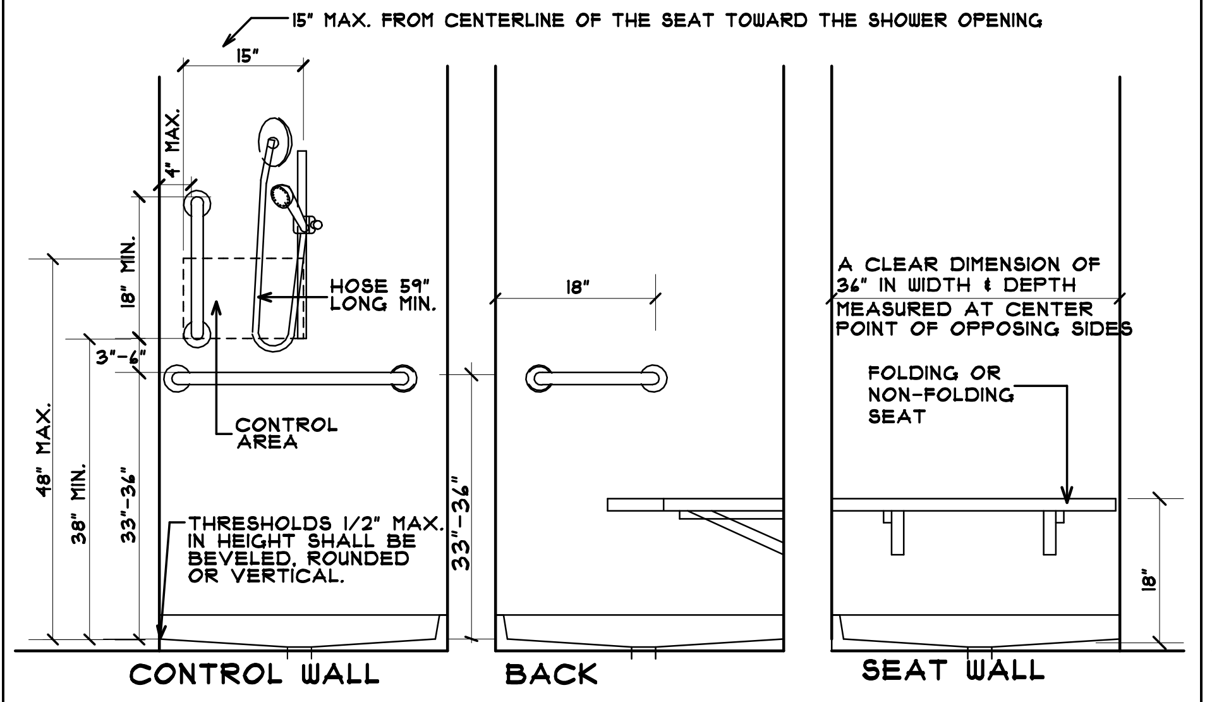
SCALE: 1/2" = 1'-0"


24" MIN
4" MAX.
18" MIN
3"-6"
CONTROL AREA
12" MAX
24" MIN
24" MAX
9"
SEAT FOLDING, RETRACT. OR FIXED
33"-36"
12" MIN
17"-19"
FOOT
BACK
HEAD

SEE ICC/ANSI A117.1 - CHAPTER 6 & 10

11 BATHTUB & GRAB BAR (WITHOUT PERMANENT SEAT IN TUB)

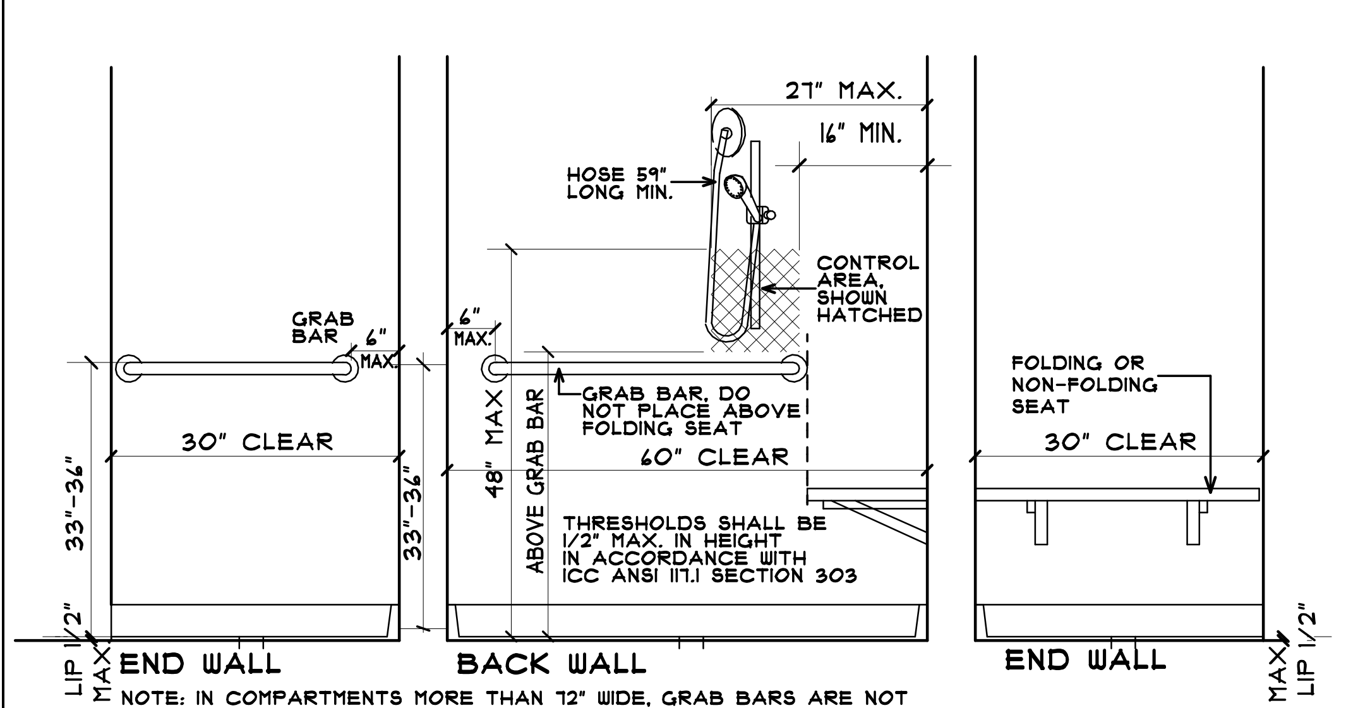
SCALE: N.T.S.


15" MAX. FROM CENTERLINE OF THE SEAT TOWARD THE SHOWER OPENING
15"
4" MAX.
18" MIN.
3"-6"
HOSE 59" LONG MIN.
CONTROL AREA
48" MAX.
38" MIN.
33"-36"
THRESHOLDS 1/2" MAX. IN HEIGHT SHALL BE BEVELED, ROUNDED OR VERTICAL.
33"-36"
18"
A CLEAR DIMENSION OF 36" IN WIDTH & DEPTH MEASURED AT CENTER POINT OF OPPOSING SIDES
FOLDING OR NON-FOLDING SEAT
18"
CONTROL WALL
BACK
SEAT WALL

SEE ICC/ANSI A117.1 - CHAPTER 6 & 10

12 TRANSFER TYPE SHOWER STALL (36"x36")

SCALE: N.T.S.


33"-36"
GRAB BAR
6" MAX.
30" CLEAR
33"-36"
LIP 1/2" MAX
END WALL
27" MAX.
16" MIN.
HOSE 59" LONG MIN.
CONTROL AREA, SHOWN HATCHED
6" MAX.
48" MAX ABOVE GRAB BAR
GRAB BAR, DO NOT PLACE ABOVE FOLDING SEAT
60" CLEAR
THRESHOLDS SHALL BE 1/2" MAX. IN HEIGHT IN ACCORDANCE WITH ICC ANSI 117.1 SECTION 303
BACK WALL
FOLDING OR NON-FOLDING SEAT
30" CLEAR
END WALL
MAX LIP 1/2"

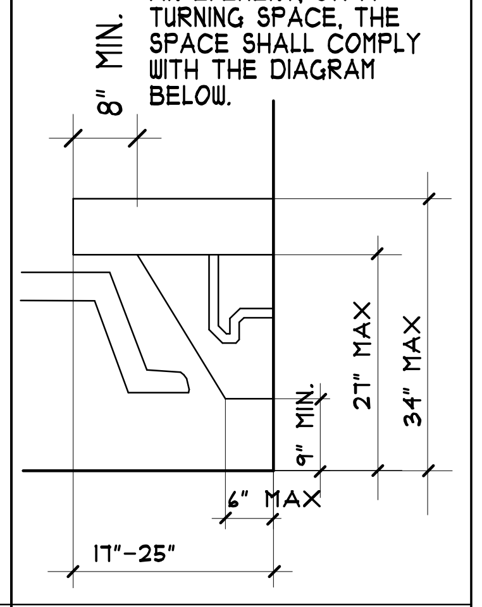
NOTE: IN COMPARTMENTS MORE THAN 72" WIDE, GRAB BARS ARE NOT REQUIRED TO EXTEND MORE THAN 48" FROM THE SEAT ON THE BACK WALL AND ARE NOT REQUIRED ON THE END WALL OPPOSITE THE SEAT

SEE ICC/ANSI A117.1 - CHAPTER 6 & 10

13 ROLL-IN TYPE SHOWER STALL (30"x60")

SCALE: N.T.S.

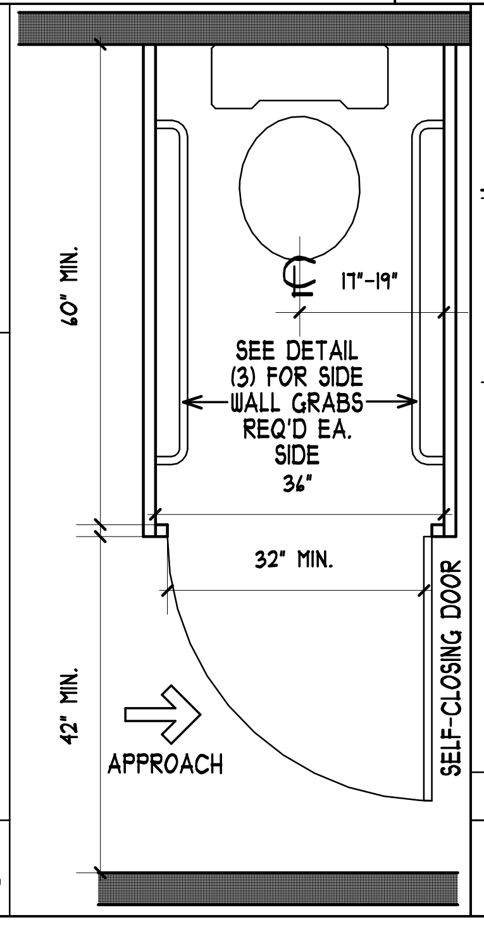
WHERE SPACE BENEATH AN ELEMENT IS INCLUDED AS PART OF THE CLEAR FLOOR SPACE AT AN ELEMENT, CLEARANCE AT AN ELEMENT, OR A TURNING SPACE, THE SPACE SHALL COMPLY WITH THE DIAGRAM BELOW.


8" MIN.
9" MIN.
27" MAX
34" MAX
6" MAX
17"-25"

SEE ICC/ANSI A117.1 - CHAPTER 3

14 KNEE AND TOE CLEARANCE

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

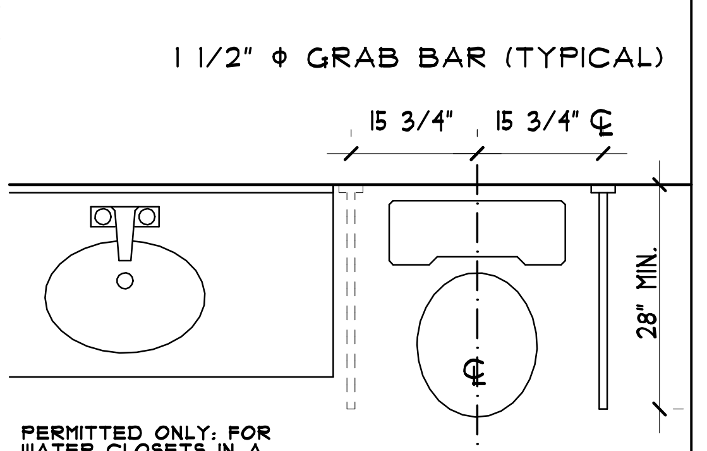

60" MIN.
17"-19"
SEE DETAIL (3) FOR SIDE WALL GRABS REQ'D EA. SIDE
36"
32" MIN.
42" MIN.
APPROACH
SELF-CLOSING DOOR

SEE ICC/ANSI A117.1 - CHAPTER 6

AMBULATORY STALL - PLAN

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

15


1 1/2" ⌀ GRAB BAR (TYPICAL)
15 3/4"
15 3/4"
28" MIN.
1'-6" MIN.
1'-6" MIN.

PERMITTED ONLY: FOR WATER CLOSETS IN A TYPE "B" UNIT WHERE A SIDE WALL IS NOT AVAILABLE FOR A 42" GRAB BAR, YOU CAN PROVIDE THE REAR GRAB BAR PLUS THE SWING-UP OR (2) SWING-UP GRAB BARS IN LIEU OF THE SIDE AND REAR GRAB BARS.

NOTE: WHEN THE APPROACH TO THE WATER CLOSET IS FROM THE SIDE, THE 18" MIN. SHALL BE ON THE SIDE OPPOSITE THE DIRECTION OF APPROACH. REINFORCEMENT SHALL ACCOMMODATE 15 3/4" FROM THE CENTERLINE OF THE WATER CLOSET, A HEIGHT OF 33" MIN. & 36" MAX AND SHALL EXTEND 28" MIN. WHEN IN THE DOWN POSITION.

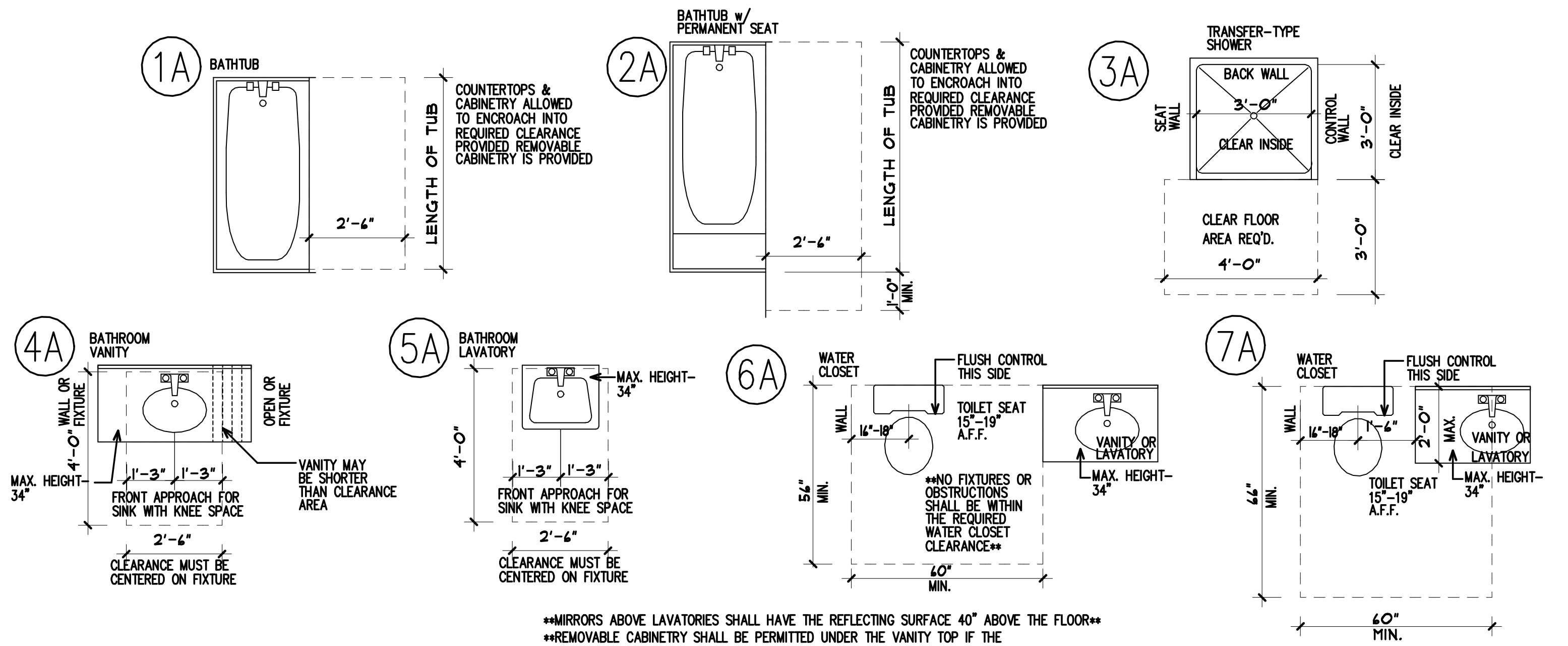
SEE ICC/ANSI A117.1 - 1004.11.1.1

16 SWING-UP GRAB BAR PLAN

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

NOTE: ALL UNITS TO MEET THESE REQUIREMENTS. (EXCEPT TYPE 'A' UNITS)

TYPE "A" UNIT CLEARANCES

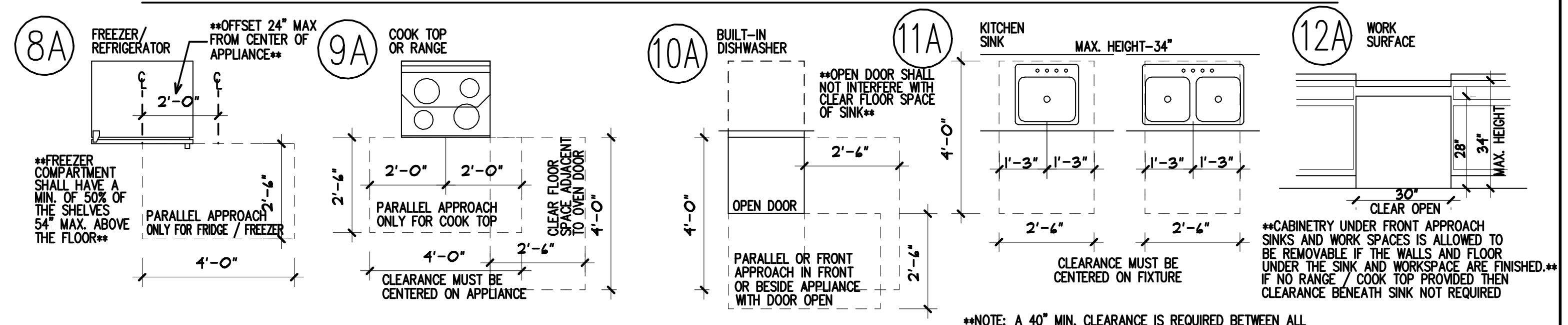

1A BATHTUB
COUNTERTOPS & CABINETRY ALLOWED TO ENCROACH INTO REQUIRED CLEARANCE PROVIDED REMOVABLE CABINETRY IS PROVIDED
LENGTH OF TUB
2'-6"
2A BATHTUB w/ PERMANENT SEAT
1'-0" MIN.
3A TRANSFER-TYPE SHOWER
BACK WALL
SEAT WALL
CONTROL WALL
3'-0" CLEAR INSIDE
CLEAR FLOOR AREA REQ'D.
4'-0"
3'-0"
4A BATHROOM VANITY
WALL OR FIXTURE
OPEN OR FIXTURE
MAX. HEIGHT- 34"
1'-3"
FRONT APPROACH FOR SINK WITH KNEE SPACE
VANITY MAY BE SHORTER THAN CLEARANCE AREA
2'-6"
CLEARANCE MUST BE CENTERED ON FIXTURE
5A BATHROOM LAVATORY
4'-0"
6A WATER CLOSET
FLUSH CONTROL THIS SIDE
TOILET SEAT 15"-19" A.F.F.
16"-18"
56" MIN.
VANITY OR LAVATORY
NO FIXTURES OR OBSTRUCTIONS SHALL BE WITHIN THE REQUIRED WATER CLOSET CLEARANCE
60" MIN.
7A WATER CLOSET
1'-6"
2'-0" MAX.
66" MIN.

MIRRORS ABOVE LAVATORIES SHALL HAVE THE REFLECTING SURFACE 40" ABOVE THE FLOOR

REMOVABLE CABINETRY SHALL BE PERMITTED UNDER THE VANITY TOP IF THE WALLS AND FLOOR UNDER THE VANITY TOP ARE FINISHED

PROVIDE BLOCKING FOR FUTURE GRAB BARS AND SHOWER SEATS AT WATER CLOSETS, BATHTUBS, AND SHOWER COMPARTMENTS

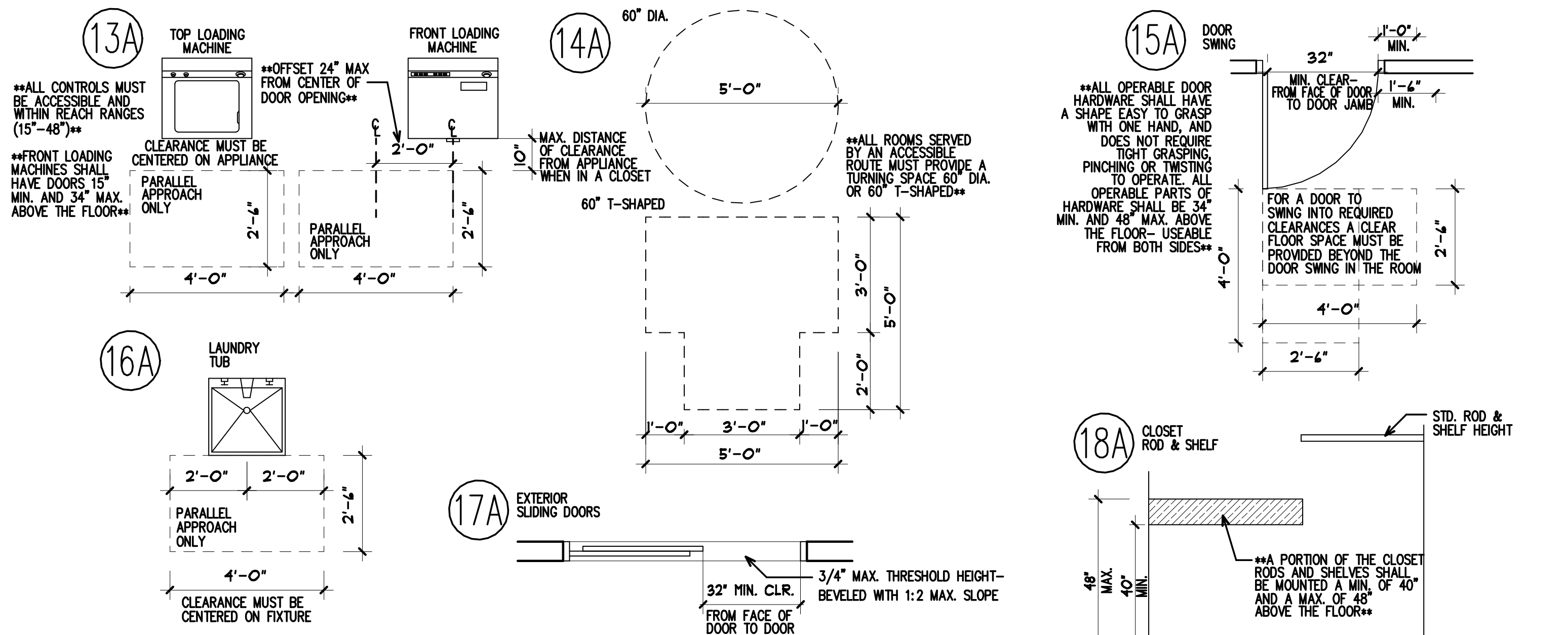
BATHROOM FIXTURE CLEARANCES


8A FREEZER/ REFRIGERATOR
OFFSET 24" MAX FROM CENTER OF APPLIANCE
2'-0"
FREEZER COMPARTMENT SHALL HAVE A MIN. OF 50% OF THE SHELVES 54" MAX. ABOVE THE FLOOR
PARALLEL APPROACH ONLY FOR FRIDGE / FREEZER
2'-6"
4'-0"
9A COOK TOP OR RANGE
PARALLEL APPROACH ONLY FOR COOK TOP
CLEAR FLOOR SPACE ADJACENT TO OVEN DOOR
CLEARANCE MUST BE CENTERED ON APPLIANCE
10A BUILT-IN DISHWASHER
OPEN DOOR SHALL NOT INTERFERE WITH CLEAR FLOOR SPACE OF SINK
OPEN DOOR
PARALLEL OR FRONT APPROACH IN FRONT OR BESIDE APPLIANCE WITH DOOR OPEN
11A KITCHEN SINK
MAX. HEIGHT-34"
CLEARANCE MUST BE CENTERED ON FIXTURE
12A WORK SURFACE
28"
34" MAX. HEIGHT
30" CLEAR OPEN
CABINETRY UNDER FRONT APPROACH SINKS AND WORK SPACES IS ALLOWED TO BE REMOVABLE IF THE WALLS AND FLOOR UNDER THE SINK AND WORKSPACE ARE FINISHED.
IF NO RANGE / COOK TOP PROVIDED THEN CLEARANCE BENEATH SINK NOT REQUIRED

NOTE: A 40" MIN. CLEARANCE IS REQUIRED BETWEEN ALL OPPOSING BASE CABINETRY, COUNTERTOPS, WALLS AND APPLIANCES. EXCEPT AT "U" SHAPED KITCHENS, WHERE IT SHALL BE 60" MIN.

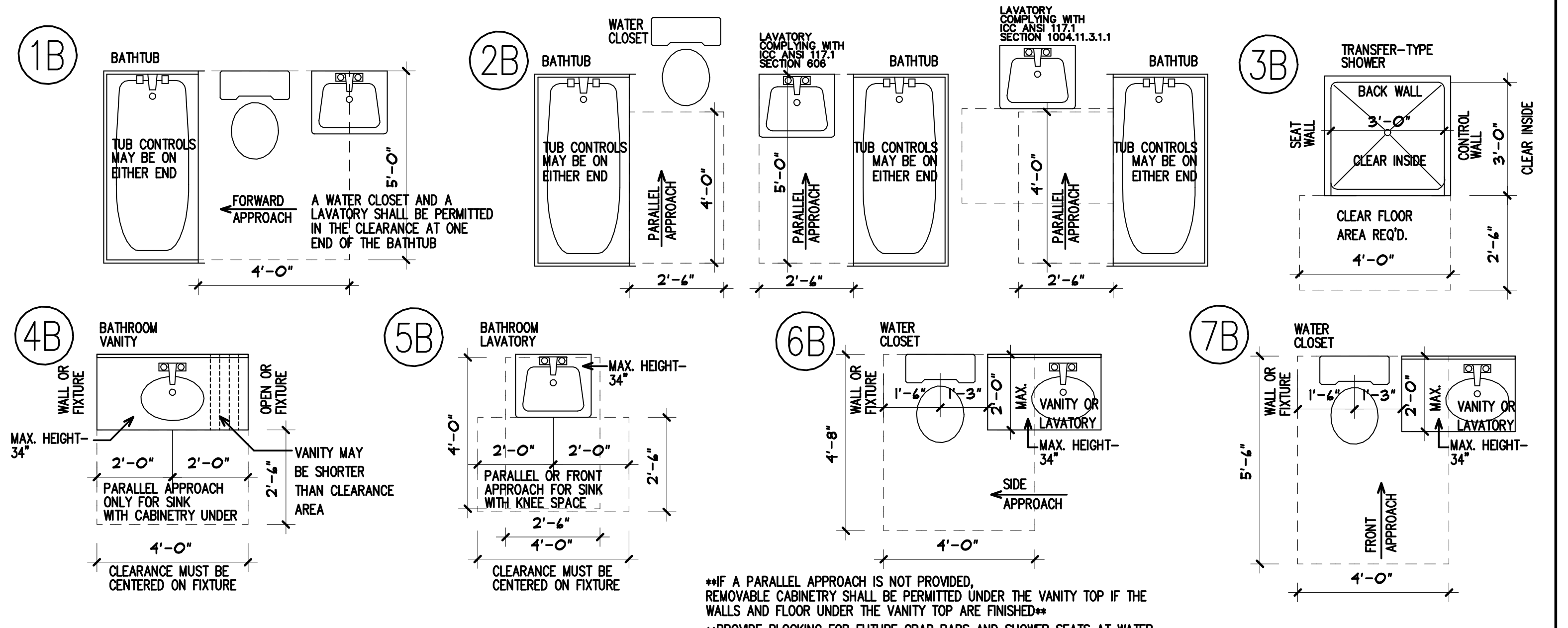
NOTE: AT LEAST 50% OF SHELF SPACE IN CABINETS SHALL BE ACCESSIBLE

KITCHEN APPLIANCE/FIXTURE CLEARANCES


13A TOP LOADING MACHINE
FRONT LOADING MACHINE
ALL CONTROLS MUST BE ACCESSIBLE AND WITHIN REACH RANGES (15"-48")
FRONT LOADING MACHINES SHALL HAVE DOORS 15" MIN. AND 34" MAX. ABOVE THE FLOOR
OFFSET 24" MAX FROM CENTER OF DOOR OPENING
CLEARANCE MUST BE CENTERED ON APPLIANCE
PARALLEL APPROACH ONLY
MAX. DISTANCE OF CLEARANCE FROM APPLIANCE WHEN IN A CLOSET
10"
14A 60" DIA.
5'-0"
60" T-SHAPED
ALL ROOMS SERVED BY AN ACCESSIBLE ROUTE MUST PROVIDE A TURNING SPACE 60" DIA. OR 60" T-SHAPED
3'-0"
2'-0"
1'-0"
15A DOOR SWING
32" MIN. CLEAR- FROM FACE OF DOOR TO DOOR JAMB
1'-0" MIN.
1'-6" MIN.
ALL OPERABLE DOOR HARDWARE SHALL HAVE A SHAPE EASY TO GRASP WITH ONE HAND, AND DOES NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING TO OPERATE. ALL OPERABLE PARTS OF HARDWARE SHALL BE 34" MIN. AND 48" MAX. ABOVE THE FLOOR- USEABLE FROM BOTH SIDES
FOR A DOOR TO SWING INTO REQUIRED CLEARANCES A CLEAR FLOOR SPACE MUST BE PROVIDED BEYOND THE DOOR SWING IN THE ROOM
16A LAUNDRY TUB
CLEARANCE MUST BE CENTERED ON FIXTURE
17A EXTERIOR SLIDING DOORS
3/4" MAX. THRESHOLD HEIGHT- BEVELED WITH 1:2 MAX. SLOPE
32" MIN. CLR.
FROM FACE OF DOOR TO DOOR JAMB
18A CLOSET ROD & SHELF
STD. ROD & SHELF HEIGHT
48" MAX.
40" MIN.
A PORTION OF THE CLOSET RODS AND SHELVES SHALL BE MOUNTED A MIN. OF 40" AND A MAX. OF 48" ABOVE THE FLOOR

LAUNDRY APPLIANCE/FIXTURE CLEARANCES

TYPE "B" UNIT CLEARANCES

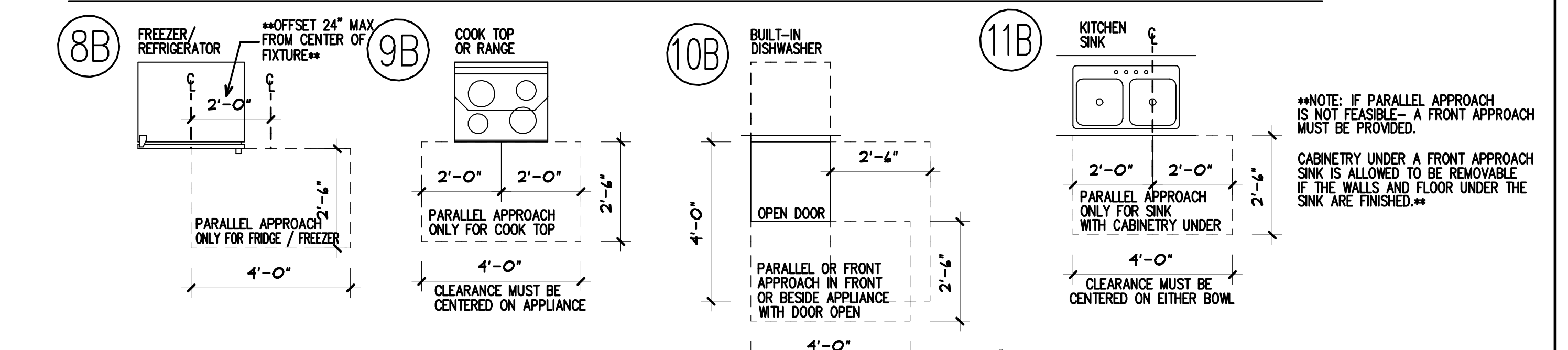

1B BATHTUB
TUB CONTROLS MAY BE ON EITHER END
FORWARD APPROACH
A WATER CLOSET AND A LAVATORY SHALL BE PERMITTED IN THE CLEARANCE AT ONE END OF THE BATHTUB
5'-0"
4'-0"
2B BATHTUB
WATER CLOSET
PARALLEL APPROACH
LAVATORY COMPLYING WITH ICC ANSI 117.1 SECTION 606
LAVATORY COMPLYING WITH ICC ANSI 117.1 SECTION 1004.11.3.1.1
2'-6"
3B TRANSFER-TYPE SHOWER
BACK WALL
SEAT WALL
CONTROL WALL
3'-0" CLEAR INSIDE
CLEAR FLOOR AREA REQ'D.
4'-0"
2'-6"
4B BATHROOM VANITY
WALL OR FIXTURE
OPEN OR FIXTURE
MAX. HEIGHT- 34"
2'-0"
PARALLEL APPROACH ONLY FOR SINK WITH CABINETRY UNDER
VANITY MAY BE SHORTER THAN CLEARANCE AREA
CLEARANCE MUST BE CENTERED ON FIXTURE
5B BATHROOM LAVATORY
PARALLEL OR FRONT APPROACH FOR SINK WITH KNEE SPACE
6B WATER CLOSET
1'-6"
1'-3"
2'-0" MAX.
4'-8"
VANITY OR LAVATORY
SIDE APPROACH
7B WATER CLOSET
5'-6"
FRONT APPROACH

IF A PARALLEL APPROACH IS NOT PROVIDED, REMOVABLE CABINETRY SHALL BE PERMITTED UNDER THE VANITY TOP IF THE WALLS AND FLOOR UNDER THE VANITY TOP ARE FINISHED

PROVIDE BLOCKING FOR FUTURE GRAB BARS AND SHOWER SEATS AT WATER CLOSETS, BATHTUBS, AND SHOWER COMPARTMENTS

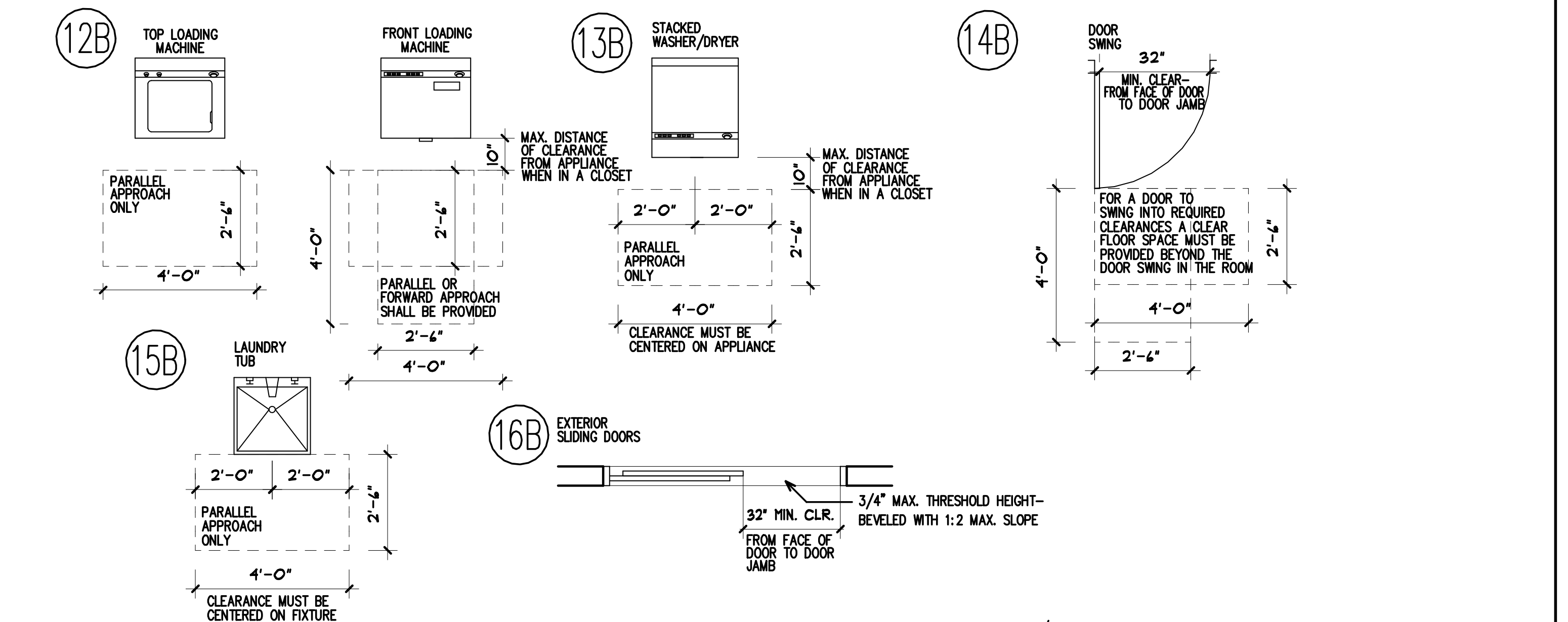
AT WATER CLOSETS REINFORCEMENT FOR SIDE WALL VERTICAL GRAB BAR IS NOT REQUIRED

BATHROOM FIXTURE CLEARANCES


8B FREEZER/ REFRIGERATOR
OFFSET 24" MAX FROM CENTER OF FIXTURE
PARALLEL APPROACH ONLY FOR FRIDGE / FREEZER
9B COOK TOP OR RANGE
PARALLEL APPROACH ONLY FOR COOK TOP
CLEARANCE MUST BE CENTERED ON APPLIANCE
10B BUILT-IN DISHWASHER
OPEN DOOR
PARALLEL OR FRONT APPROACH IN FRONT OR BESIDE APPLIANCE WITH DOOR OPEN
11B KITCHEN SINK
PARALLEL APPROACH ONLY FOR SINK WITH CABINETRY UNDER
CLEARANCE MUST BE CENTERED ON EITHER BOWL
**NOTE: IF PARALLEL APPROACH IS NOT FEASIBLE- A FRONT APPROACH MUST BE PROVIDED.
CABINETRY UNDER A FRONT APPROACH SINK IS ALLOWED TO BE REMOVABLE IF THE WALLS AND FLOOR UNDER THE SINK ARE FINISHED.**

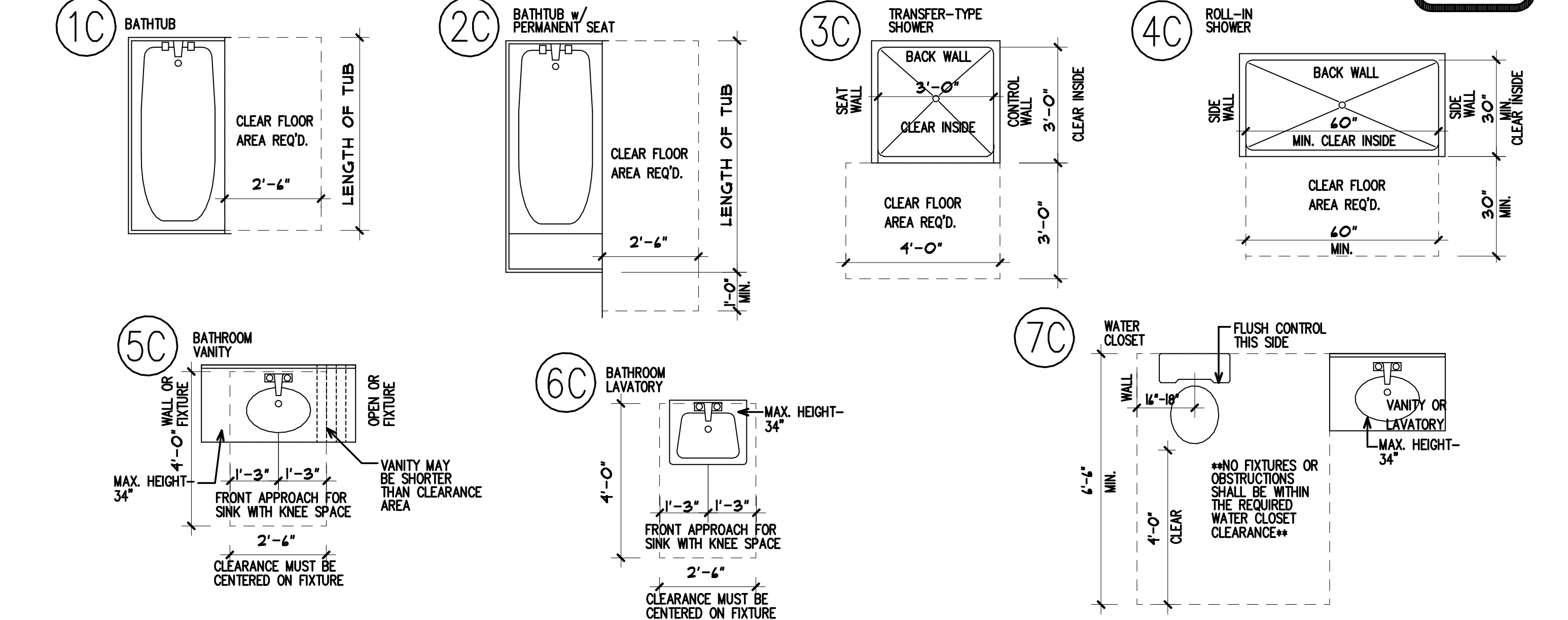
NOTE: A 40" MIN. CLEARANCE IS REQUIRED BETWEEN ALL OPPOSING BASE CABINETRY, COUNTERTOPS, WALLS AND APPLIANCES. EXCEPT AT "U" SHAPED KITCHENS, WHERE IT SHALL BE 60" MIN.

KITCHEN APPLIANCE/FIXTURE CLEARANCES


12B TOP LOADING MACHINE
FRONT LOADING MACHINE
PARALLEL APPROACH ONLY
MAX. DISTANCE OF CLEARANCE FROM APPLIANCE WHEN IN A CLOSET
10"
PARALLEL OR FORWARD APPROACH SHALL BE PROVIDED
13B STACKED WASHER/DRYER
CLEARANCE MUST BE CENTERED ON APPLIANCE
14B DOOR SWING
32" MIN. CLEAR- FROM FACE OF DOOR TO DOOR JAMB
FOR A DOOR TO SWING INTO REQUIRED CLEARANCES A CLEAR FLOOR SPACE MUST BE PROVIDED BEYOND THE DOOR SWING IN THE ROOM
15B LAUNDRY TUB
CLEARANCE MUST BE CENTERED ON FIXTURE
16B EXTERIOR SLIDING DOORS
3/4" MAX. THRESHOLD HEIGHT- BEVELED WITH 1:2 MAX. SLOPE
32" MIN. CLR.
FROM FACE OF DOOR TO DOOR JAMB

LAUNDRY APPLIANCE/FIXTURE CLEARANCES

ACCESSIBLE UNIT CLEARANCES ♿

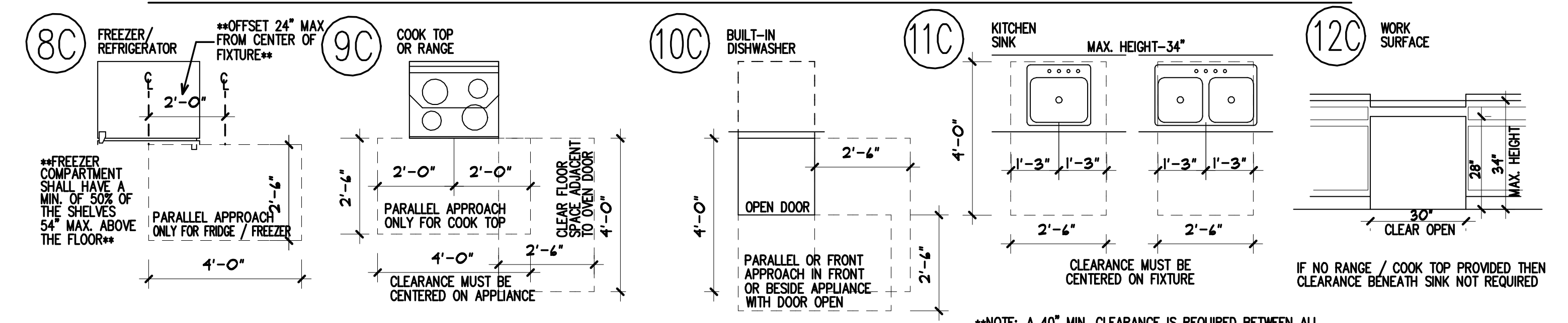

1C BATHTUB
CLEAR FLOOR AREA REQ'D.
LENGTH OF TUB
2'-6"
2C BATHTUB w/ PERMANENT SEAT
1'-0" MIN.
3C TRANSFER-TYPE SHOWER
BACK WALL
SEAT WALL
CONTROL WALL
3'-0" CLEAR INSIDE
4'-0"
4C ROLL-IN SHOWER
SIDE WALL
60" MIN. CLEAR INSIDE
30" MIN. CLEAR INSIDE
60" MIN.
30" MIN.
5C BATHROOM VANITY
WALL OR FIXTURE
OPEN OR FIXTURE
MAX. HEIGHT- 34"
FRONT APPROACH FOR SINK WITH KNEE SPACE
VANITY MAY BE SHORTER THAN CLEARANCE AREA
CLEARANCE MUST BE CENTERED ON FIXTURE
6C BATHROOM LAVATORY
7C WATER CLOSET
FLUSH CONTROL THIS SIDE
16"-18"
6'-6" MIN.
4'-0" CLEAR
VANITY OR LAVATORY
NO FIXTURES OR OBSTRUCTIONS SHALL BE WITHIN THE REQUIRED WATER CLOSET CLEARANCE
60" MIN.

MIRRORS ABOVE LAVATORIES SHALL HAVE THE REFLECTING SURFACE 40" MAX. ABOVE THE FLOOR

MIRRORS NOT ABOVE LAVATORIES SHALL HAVE THE REFLECTING SURFACE 35" MAX. ABOVE THE FLOOR

PROVIDE BLOCKING FOR FUTURE GRAB BARS AND SHOWER SEATS AT WATER CLOSETS, BATHTUBS, AND SHOWER COMPARTMENTS

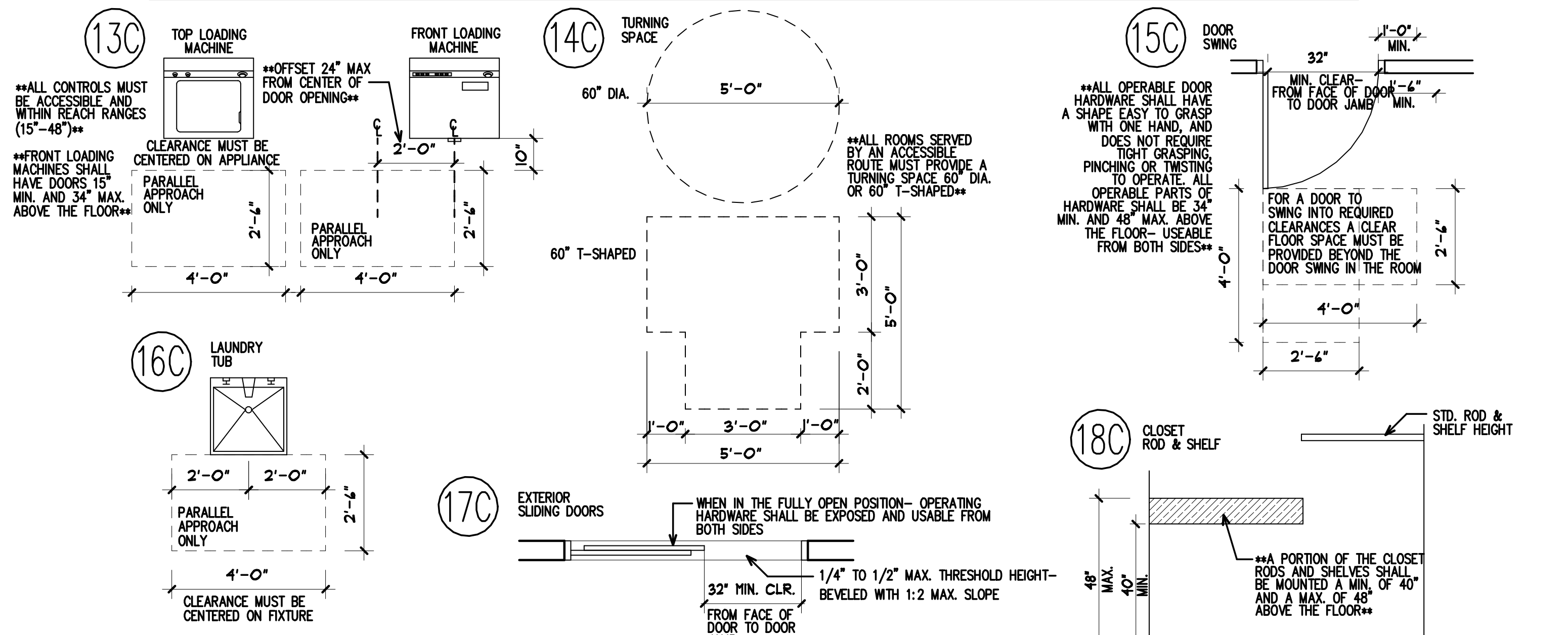
BATHROOM FIXTURE CLEARANCES


8C FREEZER/ REFRIGERATOR
OFFSET 24" MAX FROM CENTER OF FIXTURE
FREEZER COMPARTMENT SHALL HAVE A MIN. OF 50% OF THE SHELVES 54" MAX. ABOVE THE FLOOR
PARALLEL APPROACH ONLY FOR FRIDGE / FREEZER
9C COOK TOP OR RANGE
PARALLEL APPROACH ONLY FOR COOK TOP
CLEAR FLOOR SPACE ADJACENT TO OVEN DOOR
CLEARANCE MUST BE CENTERED ON APPLIANCE
10C BUILT-IN DISHWASHER
OPEN DOOR
PARALLEL OR FRONT APPROACH IN FRONT OR BESIDE APPLIANCE WITH DOOR OPEN
11C KITCHEN SINK
MAX. HEIGHT-34"
CLEARANCE MUST BE CENTERED ON FIXTURE
12C WORK SURFACE
30" CLEAR OPEN
IF NO RANGE / COOK TOP PROVIDED THEN CLEARANCE BENEATH SINK NOT REQUIRED

NOTE: A 40" MIN. CLEARANCE IS REQUIRED BETWEEN ALL OPPOSING BASE CABINETRY, COUNTERTOPS, WALLS AND APPLIANCES. EXCEPT AT "U" SHAPED KITCHENS, WHERE IT SHALL BE 60" MIN.

NOTE: AT LEAST 50% OF SHELF SPACE IN CABINETS SHALL BE ACCESSIBLE

KITCHEN APPLIANCE/FIXTURE CLEARANCES


13C TOP LOADING MACHINE
FRONT LOADING MACHINE
ALL CONTROLS MUST BE ACCESSIBLE AND WITHIN REACH RANGES (15"-48")
FRONT LOADING MACHINES SHALL HAVE DOORS 15" MIN. AND 34" MAX. ABOVE THE FLOOR
OFFSET 24" MAX FROM CENTER OF DOOR OPENING
CLEARANCE MUST BE CENTERED ON APPLIANCE
PARALLEL APPROACH ONLY
14C TURNING SPACE
60" DIA.
60" T-SHAPED
ALL ROOMS SERVED BY AN ACCESSIBLE ROUTE MUST PROVIDE A TURNING SPACE 60" DIA. OR 60" T-SHAPED
15C DOOR SWING
ALL OPERABLE DOOR HARDWARE SHALL HAVE A SHAPE EASY TO GRASP WITH ONE HAND, AND DOES NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING TO OPERATE. ALL OPERABLE PARTS OF HARDWARE SHALL BE 34" MIN. AND 48" MAX. ABOVE THE FLOOR- USEABLE FROM BOTH SIDES
FOR A DOOR TO SWING INTO REQUIRED CLEARANCES A CLEAR FLOOR SPACE MUST BE PROVIDED BEYOND THE DOOR SWING IN THE ROOM
16C LAUNDRY TUB
CLEARANCE MUST BE CENTERED ON FIXTURE
17C EXTERIOR SLIDING DOORS
WHEN IN THE FULLY OPEN POSITION- OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES
1/4" TO 1/2" MAX. THRESHOLD HEIGHT- BEVELED WITH 1:2 MAX. SLOPE
32" MIN. CLR.
FROM FACE OF DOOR TO DOOR JAMB
18C CLOSET ROD & SHELF
STD. ROD & SHELF HEIGHT
48" MAX.
40" MIN.
A PORTION OF THE CLOSET RODS AND SHELVES SHALL BE MOUNTED A MIN. OF 40" AND A MAX. OF 48" ABOVE THE FLOOR

LAUNDRY APPLIANCE/FIXTURE CLEARANCES

COLE GROUP
A R C H I T E C T S LLC.
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Suite 102
Saint Cloud, MN 56301
(320) 654-6570
www.colegrouparchitects.com

These documents are not valid for building permit unless signed in ink and over sealed. Copies are not valid.

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of MINNESOTA

Date 10-4-18 # 22288

Name NORMAN E. COLE Signature

DEVELOPER:
KELLER/BAARTMAN PROPERTIES
RED WING, MN
(651) 388-0000

PROPOSED 108 UNIT:
PARK PLACE APARTMENTS
RED WING, MN

REVISIONS/COMMENTS

REVISIONS/COMMENTS

Project No.
18011
Submittal Date:
10-4-18
Document Set:
PERMIT SET

A301

PLOTTED: 10-4-18 FILE: 18011ADA COM: 4

Door Letter	Door Location (Room Name)	Door Size	Door Material	Door Rating	Doors Type	Frame Type	Hdwr. Group	Comments (note: rating of door frame and hardware to match door rating)
	BASEMENT FLOOR PUBLIC DOORS							
B01A	BASEMENT EXIT	3'-0"x7'-0"	INSUL. ST.	NONE	2	2	5	ALT BID FOR KEY FOB
B01B	BASEMENT EXIT	3'-0"x7'-0"	INSUL. ST.	90 MIN.	2	2	5	ALT BID FOR KEY FOB
B01C	GARAGE O.H.D.	16'-0"x8'-0"	INSUL. ST.	NONE	4	3	6	OVERHEAD DOOR w/ OPERATOR
B01D	GARAGE O.H.D.	12'-0"x8'-0"	INSUL. ST.	NONE	4	3	6	OVERHEAD DOOR w/ OPERATOR
B02	STAIR "A" ENTRY	3'-0"x7'-0"	INSUL. ST.	90 MIN.	2	2	13	–
B03	MECHANICAL ROOM	3'-0"x7'-0"	INSUL. ST.	NONE	2	2	16	PROVIDE PANIC HARDWARE AS REQ'D BY NFPA 70 National Electrical Code Section 110.26 COAT DOOR FOR RUST PREVENTION AS REQ'D.
B04	STORAGE	3'-0"x7'-0"	INSUL. ST.	NONE	2	2	16	–
B05	MACHINE ROOM	3'-0"x7'-0"	INSUL. ST.	NONE	2	2	16	–
B06	ELEVATOR LOBBY	3'-0"x7'-0"	INSUL. ST.	NONE	3	2	13	16" SIDELITE
B07	REFUSE ROOM	(2) 4'-0"x7'-0"	INSUL. ST.	90 MIN.	2	2	17	PAIR OF DOORS
B08A	STAIR "B" EXIT	3'-0"x7'-0"	ALUM. ST.	–	1	1	5	ALT BID FOR KEY FOB
B08B	STAIR "A" ENTRY	3'-0"x7'-0"	INSUL. ST.	90 MIN.	2	2	13	–

	PEDESTRIAN WALKWAY PUBLIC DOORS							
L09A	WALKWAY EXIT	3'-0"x7'-0"	ALUM. ST.	NONE	1	1	5	ALT BID FOR KEY FOB
L09B	WALKWAY EXIT	3'-0"x7'-0"	ALUM. ST.	NONE	1	1	5	ALT BID FOR KEY FOB

	BAY GARAGE PUBLIC DOORS							
G10A	GARAGE EXIT	3'-0"x7'-0"	INSUL. ST.	90 MIN.	2	2	5	ALT BID FOR KEY FOB
G10B	GARAGE EXIT	3'-0"x7'-0"	INSUL. ST.	NONE	2	2	5	ALT BID FOR KEY FOB
G10C	GARAGE O.H.D.	10'-0"x8'-0"	INSUL. ST.	NONE	4	3	6	OVERHEAD DOOR w/ OPERATOR
G10D	GARAGE O.H.D.	10'-0"x8'-0"	INSUL. ST.	NONE	4	3	6	OVERHEAD DOOR w/ OPERATOR

Door #	Door Location (Room Name)	Door Size	Door Material	Assembly Rating	Doors Type	FRAME Type	Hdwr. Group	Comments (note: rating of door frame and hardware to match door rating)
	FIRST FLOOR PUBLIC DOORS							
001A	MAIN ENTRY	3'-0"x7'-0"	ALUM. ST.	NONE	1	1	1	(2) 24" SIDELITES
001B	VESTIBULE	3'-0"x7'-0"	ALUM. ST.	NONE	1	1	2	(2) 24" SIDELITES, ALT BID FOR KEY FOB
002A	STAIR "A" EXIT	3'-0"x7'-0"	ALUM. ST.	NONE	1	1	5	ALT BID FOR KEY FOB
002B	STAIR "A" ENTRY	3'-0"x6'-8"	SCWD	90 MIN.	5	4	9	–
003	MOVE IN ENTRY	(2) 3'-0"x7'-0"	INSUL. ST.	NONE	2	2	3	PAIR OF DOORS
004A	CONFERENCE ROOM	3'-0"x6'-8"	SCWD	20 MIN.	6	4	11	–
004B	CONFERENCE ROOM	3'-0"x6'-8"	SCWD	NONE	6	4	10	–
005	OFFICE	3'-0"x6'-8"	SCWD	20 MIN.	6	4	11	–
006	RESTROOM	3'-0"x6'-8"	SCWD	20 MIN.	5	4	18	–
007	MECHANICAL	3'-0"x6'-8"	SCWD	NONE	5	5	16	–
008	STAIR "B" ENTRY	3'-0"x6'-8"	SCWD	90 MIN.	5	4	9	–
010A	COMMUNITY ROOM	3'-0"x7'-0"	ALUM. ST.	NONE	1	1	4	36" SIDELITE
010B	COMMUNITY ROOM	6'-0"x6'-8"	SCWD	20 MIN.	6	4	7	PAIR OF DOORS
011A	FITNESS ROOM	3'-0"x7'-0"	ALUM. ST.	NONE	1	1	4	36" SIDELITE, PANIC HDWR TIED TO FIRE ALARM.
011B	FITNESS ROOM	3'-0"x6'-8"	SCWD	20 MIN.	6	4	12	–
012	MECHANICAL	3'-0"x6'-8"	SCWD	NONE	5	5	16	–
013	RESTROOM	3'-0"x6'-8"	SCWD	20 MIN.	5	4	18	–
014A	ELEVATOR LOBBY ENTRY	(2) 3'-0"x6'-8"	SCWD	20 MIN.	5	4	8	PAIR OF DOORS
014B	ELEVATOR LOBBY ENTRY	(2) 3'-0"x6'-8"	SCWD	20 MIN.	5	4	8	PAIR OF DOORS
015	MECHANICAL ROOM	3'-0"x6'-8"	SCWD	20 MIN.	5	4	15	–
016	REFUSE ROOM	3'-0"x6'-8"	SCWD	90 MIN.	5	4	13	–
	SECOND FLOOR PUBLIC DOORS							
021	ELECTRICAL	3'-0"x6'-8"	SCWD	NONE	5	4	15	–
022	STAIR "A" ENTRY	3'-0"x6'-8"	SCWD	90 MIN.	5	4	9	–
024A	ELEVATOR LOBBY ENTRY	(2) 3'-0"x6'-8"	SCWD	20 MIN.	5	4	8	PAIR OF DOORS
024B	ELEVATOR LOBBY ENTRY	(2) 3'-0"x6'-8"	SCWD	20 MIN.	5	4	8	PAIR OF DOORS
025	MECHANICAL ROOM	3'-0"x6'-8"	SCWD	20 MIN.	5	4	15	–
026	REFUSE ROOM	3'-0"x6'-8"	SCWD	90 MIN.	5	4	13	–
028	STAIR "B" ENTRY	3'-0"x6'-8"	SCWD	90 MIN.	5	4	9	–
	THIRD FLOOR PUBLIC DOORS							
031	ELECTRICAL	3'-0"x6'-8"	SCWD	NONE	5	4	15	–
032	STAIR "A" ENTRY	3'-0"x6'-8"	SCWD	90 MIN.	5	4	9	–
034	ELEVATOR LOBBY ENTRY	(2) 3'-0"x6'-8"	SCWD	20 MIN.	5	4	8	PAIR OF DOORS
035	MECHANICAL ROOM	3'-0"x6'-8"	SCWD	20 MIN.	5	4	15	–
036	REFUSE ROOM	3'-0"x6'-8"	SCWD	90 MIN.	5	4	13	–
038	STAIR "B" ENTRY	3'-0"x6'-8"	SCWD	90 MIN.	5	4	9	–
	FOURTH FLOOR PUBLIC DOORS							
041	ELECTRICAL	3'-0"x6'-8"	SCWD	NONE	5	4	15	–
042	STAIR "A" ENTRY	3'-0"x6'-8"	SCWD	90 MIN.	5	4	9	–
044	ELEVATOR LOBBY ENTRY	(2) 3'-0"x6'-8"	SCWD	20 MIN.	5	4	8	PAIR OF DOORS
045	MECHANICAL ROOM	3'-0"x6'-8"	SCWD	20 MIN.	5	4	15	–
046	REFUSE ROOM	3'-0"x6'-8"	SCWD	90 MIN.	5	4	13	–
048	STAIR "B" ENTRY	3'-0"x6'-8"	SCWD	90 MIN.	5	4	9	–
049	SHIP LADDER / STOR.	3'-0"x6'-8"	SCWD	20 MIN.	5	4	15	–

Door Letter	Door Location (Room Name)	Door Size	Door Material	Door Rating	Doors Type	Frame Type	Hdwr. Group	Comments (note: rating of door frame and hardware to match door rating)
	UNIT DOORS							
AA	UNIT ENTRY	3'-0"x6'-8"	SCWD	20 MIN.	5	4	21	–
BB	BATHROOM	3'-0"x6'-8"	HCWD	NONE	9	5	22	–
CC	BEDROOM	3'-0"x6'-8"	HCWD	NONE	9	5	22	–
DD	DEN	3'-0"x6'-8"	SCWD	NONE	8	5	23	VERIFY IF DEN DOORS TO HAVE GLASS W/ OWNER.
EE	CLOSET	2'-6"x6'-8"	HCWD	NONE	9	5	23	–
FF	BATHROOM	3'-0"x6'-8"	SCWD	NONE	9	5	25	POCKET DOOR
GG	DEN/OFFICE	(2) 3'-0"x6'-8"	SCWD	NONE	8	5	24	PAIR OF DOORS, VERIFY IF DEN DOORS TO HAVE GLASS W/ OWNER.
HH	CLOSET	3'-0"x6'-8"	HCWD	NONE	9	5	23	–
JJ	PANTRY	1'-8"x6'-8"	SCWD	NONE	9	5	23	VERIFY IF DOOR TO HAVE FROSTED GLASS W/ OWNER.
KK	–	–	–	–	–	–	–	–
LL	–	–	–	–	–	–	–	–

	DOOR TYPES:	ABBREVIATIONS:	
1	ALUMINUM STOREFRONT, MEDIUM STYLE, PRE-FINISHED w/ INSULATED GLAZING.	ALUM. ST.	ALUMINUM STORE FRONT
2	INSULATED STEEL, PRE-FINISHED, FLUSH PANEL.	INSUL. ST.	INSULATED STEEL
3	INSULATED STEEL, PRE-FINISHED, FULL LITE.	HCWD	HOLLOW CORE WOOD DOOR
4	INSULATED STEEL, PRE-FINISHED, RAISED PANELS, COMMERCIAL O.H.D. w/ STEEL BACKER.	SCWD	SOLID CORE WOOD DOOR
5	1 3/4" WOOD, PRE-FINISHED, FLUSH PANEL.		
6	1 3/4" WOOD, PRE-FINISHED, FLUSH PANEL HALF LITE.	NOTE: VERIFY LOCATION OF ALL KEY FOB/CARD READERS WITH OWNER AND/OR MANAGEMENT.	
7	1 3/4" WOOD, PRE-FINISHED, FLUSH PANEL, LITE		
8	1 3/4" WOOD, PRE-FINISHED, FLUSH PANEL, 15 LITES.		
9	1 3/8" WOOD, PRE-FINISHED, FLUSH PANEL.		
10	ELIASON DOOR. FLUSH PANEL, VISION PANE.		

	FRAME TYPES:
1	ALUMINUM STOREFRONT, PRE-FINISHED, w/THERMAL BREAK.
2	16 GA. METAL, PRE-FINISHED.
3	NO FRAME AT OVER HEAD DOOR.
4	METAL KNOCK DOWN, PRE-FINISHED.
5	WOOD FRAME, PRE-FINISHED TO MATCH DOOR.
6	ELIASON DOOR FRAME, PRE-FINISHED.
7	NO FRAME - DRYWALL JAMBS.

	HARDWARE GROUPS:
	SCHLAGE OR EQUAL "AL" SERIES AT INTERIOR DOORS, "D" SERIES AT EXTERIOR DOORS.
	PROVIDE APPROVED LEVER HANDLES AT ALL DOORS AND BUMPERS WHERE REQUIRED.
	DOOR HARDWARE TO MATCH LABEL OF DOOR AND BE INSTALLED PER NFPA #80.
1	ENTRY HARDWARE; 1 1/2 PAIR HINGES, CLOSER, PULL/PULL BAR, PUSH BUTTON AUTOMATIC OPENER, ADA COMPLIANT THRESHOLD, WEATHER STRIP.
2	ENTRY HARDWARE; 1 1/2 PAIR HINGES, CLOSER, LOCKING LATCH, PUSH BUTTON AUTO OPEN, INTERCOM SEC. SYSTEM, ADA COMPLIANT THRESHOLD, WEATHER STRIP.
3	ENTRY HARDWARE; (3) PAIR HINGES, CLOSER, LOCKING LATCH, ADA COMPLIANT THRESHOLD, WEATHER STRIP.
4	ENTRY HARDWARE; 1 1/2 PAIR HINGES, CLOSER, KEYED LOCKING LATCH, PANIC HARDWARE, ADA COMPLIANT THRESHOLD, WEATHER STRIP.
5	ENTRY HARDWARE; 1 1/2 PAIR HINGES, CLOSER, KEYED LOCKING LATCH, ADA COMPLIANT THRESHOLD, WEATHER STRIP.
6	OVER HEAD DOOR HARDWARE. PROVIDE AUTOMATIC OPENER.
7	PASSAGE HARDWARE; 3 PAIR HINGES, 2 CLOSERS, LOCKING LATCH, 2 PANIC HARDWARE, ASTRAGAL, ADA COMPLIANT THRESHOLD, SMOKE GASKET.
8	PASSAGE HARDWARE; 3 PAIR HINGES, 2 CLOSERS, NON-LOCKING LATCH, ASTRAGAL, ADA COMPLIANT THRESHOLD, SMOKE GASKET, 2 MAGNETIC HOLD OPENS TIED TO FIRE ALARM.
9	PASSAGE HARDWARE; 1 1/2 PAIR HINGES, CLOSER, NON-LOCKING LATCH, ADA COMPLIANT THRESHOLD, SMOKE GASKET, MAGNETIC HOLD OPEN TIED TO FIRE ALARM.
10	PASSAGE HARDWARE; 1 1/2 PAIR HINGES, CLOSER, LOCKING LATCH.
11	PASSAGE HARDWARE; 1 1/2 PAIR HINGES, CLOSER, LOCKING LATCH, ADA COMPLIANT THRESHOLD, SMOKE GASKET.
12	PASSAGE HARDWARE; 1 1/2 PAIR HINGES, CLOSER, PANIC HARDWARE, ADA COMPLIANT THRESHOLD, SMOKE GASKET.
13	PASSAGE HARDWARE; 1 1/2 PAIR HINGES, CLOSER, NON-LOCKING LATCH, ADA COMPLIANT THRESHOLD, SMOKE GASKET.
14	PASSAGE HARDWARE; 1 1/2 PAIR HINGES, NON-LOCKING LATCH.
15	STOREROOM HARDWARE; 1 1/2 PAIR HINGES, CLOSER, LOCKING LATCH, THRESHOLD, SMOKE GASKET.
16	STOREROOM HARDWARE; 1 1/2 PAIR HINGES, LOCKING LATCH.
17	STOREROOM HARDWARE; 3 PAIR HINGES, 2 CLOSERS, LOCKING LATCH, ASTRAGAL, THRESHOLD, SMOKE GASKET.
18	PRIVACY HARDWARE; 1 1/2 PAIR HINGES, CLOSER, PUSH BUTTON LOCKING LATCH, ADA COMPLIANT THRESHOLD, SMOKE GASKET.
19	PRIVACY HARDWARE; 1 1/2 PAIR HINGES, PUSH BUTTON LOCKING LATCH.
20	SLIDING DOOR HARDWARE; 2 SETS OF TRACK AND ROLLERS.
21	UNIT ENTRY HARDWARE; 1 1/2 PAIR SPRING LOADED HINGES, KEYED LOCKING LATCH, DEAD BOLT, ADA COMPLIANT THRESHOLD, SMOKE GASKET, EYE VIEWER.
22	PRIVACY HARDWARE; 1 PAIR HINGES, PUSH BUTTON LOCKING LATCH.
23	PASSAGE HARDWARE; 1 PAIR HINGES, NON-LOCKING LATCH.
24	PASSAGE HARDWARE; 2 PAIR HINGES, 2 DUMMY LATCHES, 2 ROLLER CATCHES.
25	POCKET DOOR HARDWARE; DOOR TO MAINTAIN 2'-10" MIN. CLEAR, VERIFY PRIVACY LOCK W/ OWNER.
26	ENTRY HARDWARE; 1 1/2 PAIR HINGES, LOCKING LATCH, THRESHOLD, WEATHER STRIP.

WINDOW SCHEDULE

SYMBOL	QTY.	MANUFACTURER	MATERIAL	DESCRIPTION	NOMINAL SIZE	SAFETY GLAZING	RATING	NOTES
A	143	VERIFY w/ G.C.	VINYL	SINGLE HUNG	(2) 2'-6"X5'-0"	–	–	GRIDS ON TOP PORTION
A.1	1	VERIFY w/ G.C.	VINYL	SINGLE HUNG	(2) 2'-6"X4'-0"	–	–	GRIDS ON TOP PORTION
B	110	VERIFY w/ G.C.	VINYL	PATIO SLIDER	(1) 6'-4"X6'-8"	YES	–	3/4" MAX. THRESHOLD
C	16	VERIFY w/ G.C.	VINYL	SINGLE HUNG	(1) 4'-0"X5'-0"	–	–	GRIDS ON TOP PORTION
C.1	4	VERIFY w/ G.C.	VINYL	SINGLE HUNG	(1) 4'-0"X4'-0"	–	–	GRIDS ON TOP PORTION
D	60	VERIFY w/ G.C.	VINYL	SINGLE HUNG	(1) 3'-0"X5'-0"	–	–	GRIDS ON TOP PORTION
E	24	VERIFY w/ G.C.	VINYL	FIXED	(1) 4'-0"X5'-0"	–	–	–
F	8	VERIFY w/ G.C.	VINYL	SINGLE HUNG	(1) 3'-0"X3'-4"	–	–	GRIDS ON TOP PORTION
G	3	VERIFY w/ G.C.	–	FIXED	(1) 2-0"X4'-0"	–	45 MIN.	–
G.1	1	VERIFY w/ G.C.	–	FIXED	(1) 2-0"X4'-0"	–	–	–
H	3	VERIFY W/ G.C.	–	FIXED	(1) 2'-0"X4'-0"	YES	45 MIN.	–
J	1	VERIFY W/ G.C.	–	FIXED	(1) 4'-0"X4'-0"	–	45 MIN.	–

NOTE: ALL EXTERIOR WINDOWS MORE THAN 6'-0" ABOVE GRADE OR OTHER SURFACE BELOW TO HAVE BUILT IN FALL PREVENTION WINDOW STOPS. ALL PATIO DOORS TO PROVIDE 32" CLEAR OPENING.

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I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of MINNESOTA
Date 10-4-18 # 22288
Name NORMAN E. COLE Signature

DEVELOPER:
KB KELLER/BAARTMAN
PROPERTIES
RED WING, MN
(651) 388-0000

PROPOSED 108 UNIT:
PARK PLACE
APARTMENTS
RED WING, MN

REVISIONS	COMMENTS

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PLOTTED: 10-4-18 FILE: 18011P COM: 3

Project No.
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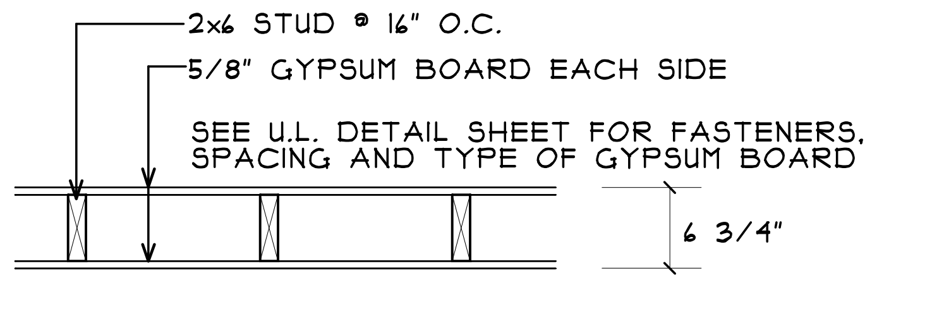
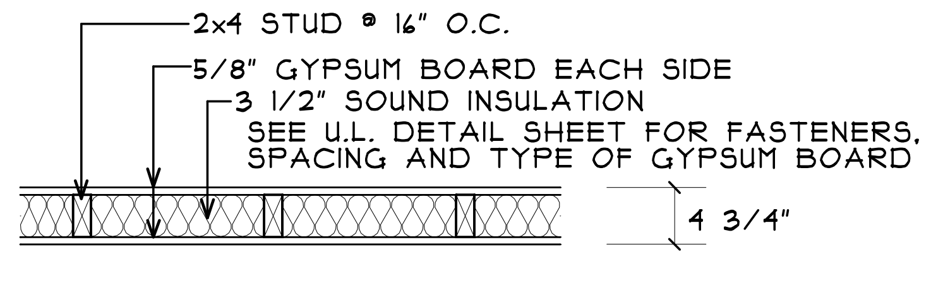
PERMIT SET

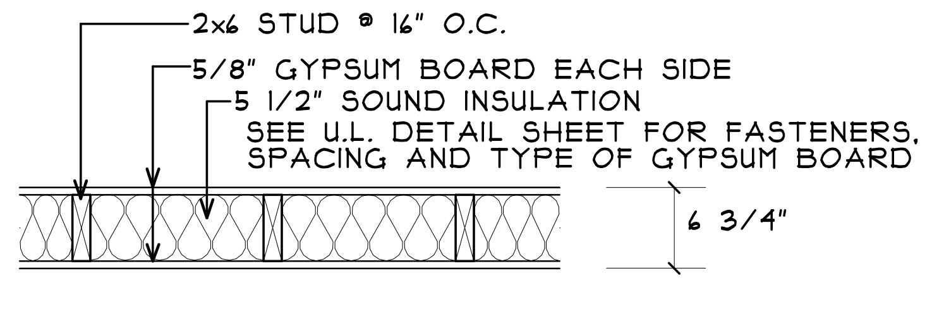
A401


2x6 STUD @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
SEE U.L. DETAIL SHEET FOR FASTENERS, SPACING AND TYPE OF GYPSUM BOARD
6 3/4"

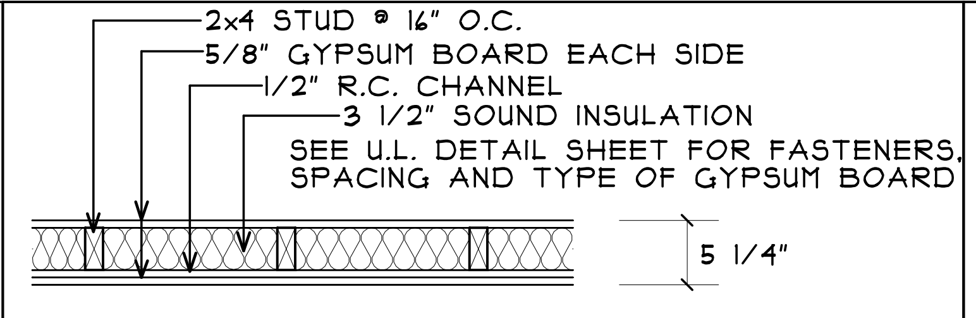
2 WALL TYPE	S.T.C. 35
SCALE: 3/4"=1'-0"	RATING - 1 HOUR (LOAD BEARING)
	U.L. DESIGN NO. U305 GA FILE NO. WP 3605 OR WP 3614


2x4 STUD @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
3 1/2" SOUND INSULATION
SEE U.L. DETAIL SHEET FOR FASTENERS, SPACING AND TYPE OF GYPSUM BOARD
4 3/4"

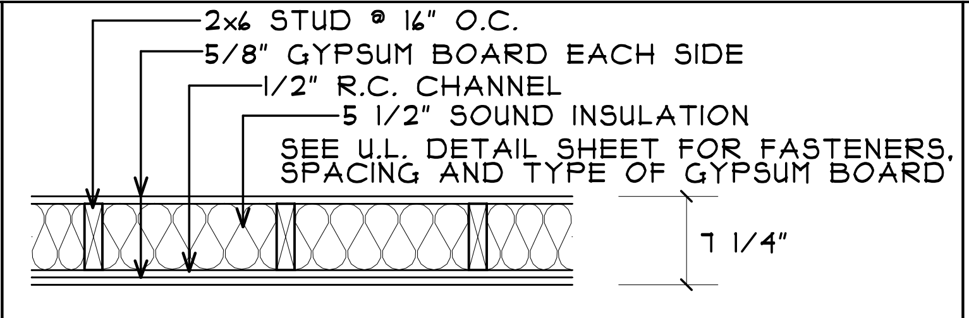
3 WALL TYPE	S.T.C. 40
SCALE: 3/4"=1'-0"	RATING - 1 HOUR (LOAD BEARING)
	U.L. DESIGN NO. U305 GA FILE NO. WP 3644


2x6 STUD @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
5 1/2" SOUND INSULATION
SEE U.L. DETAIL SHEET FOR FASTENERS, SPACING AND TYPE OF GYPSUM BOARD
6 3/4"

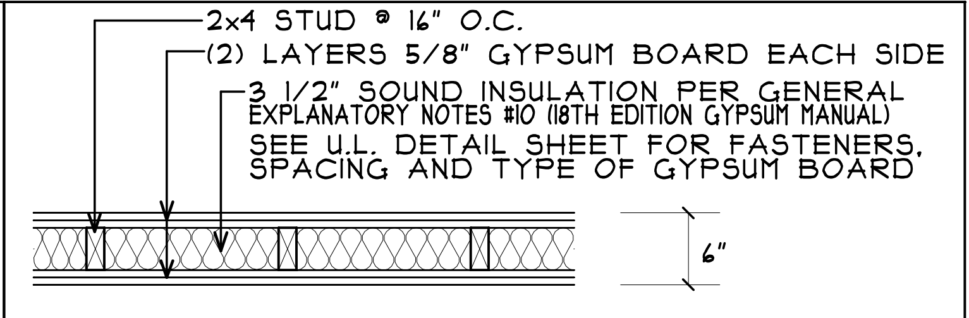
4 WALL TYPE	S.T.C. - 40
SCALE: 3/4"=1'-0"	RATING - 1 HOUR (LOAD BEARING)
	U.L. DESIGN NO. U305


2x4 STUD @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
1/2" R.C. CHANNEL
3 1/2" SOUND INSULATION
SEE U.L. DETAIL SHEET FOR FASTENERS, SPACING AND TYPE OF GYPSUM BOARD
5 1/4"

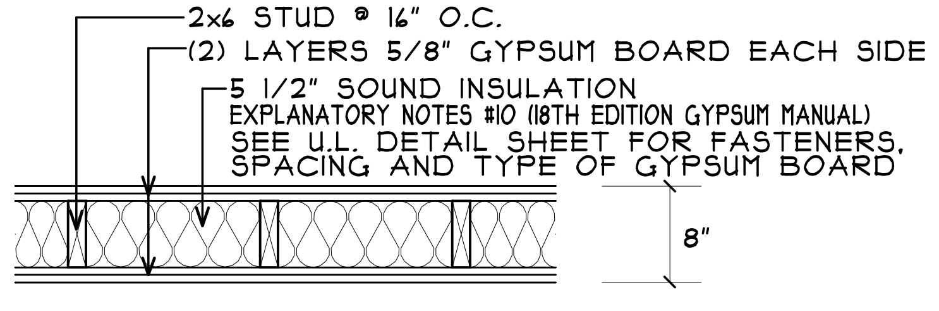
5 WALL TYPE	S.T.C. 50
SCALE: 3/4"=1'-0"	RATING - 1 HOUR (LOAD BEARING)
	U.L. DESIGN NO. U305 GA FILE NO. WP 3243


2x6 STUD @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
1/2" R.C. CHANNEL
5 1/2" SOUND INSULATION
SEE U.L. DETAIL SHEET FOR FASTENERS, SPACING AND TYPE OF GYPSUM BOARD
7 1/4"

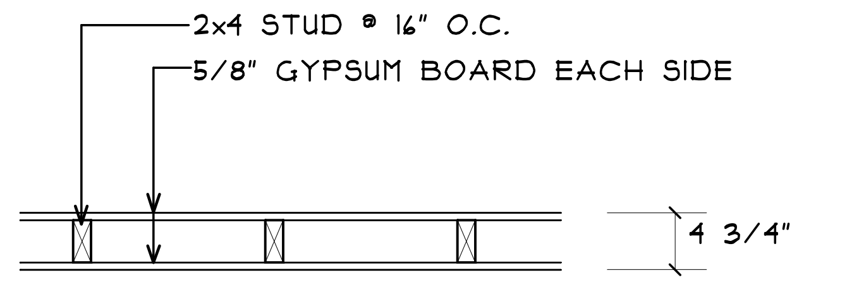
6 WALL TYPE	S.T.C. - 50
SCALE: 3/4"=1'-0"	RATING - 1 HOUR (LOAD BEARING)
	U.L. DESIGN NO. U305


2x4 STUD @ 16" O.C.
(2) LAYERS 5/8" GYPSUM BOARD EACH SIDE
3 1/2" SOUND INSULATION PER GENERAL EXPLANATORY NOTES #10 (18TH EDITION GYPSUM MANUAL)
SEE U.L. DETAIL SHEET FOR FASTENERS, SPACING AND TYPE OF GYPSUM BOARD
6"

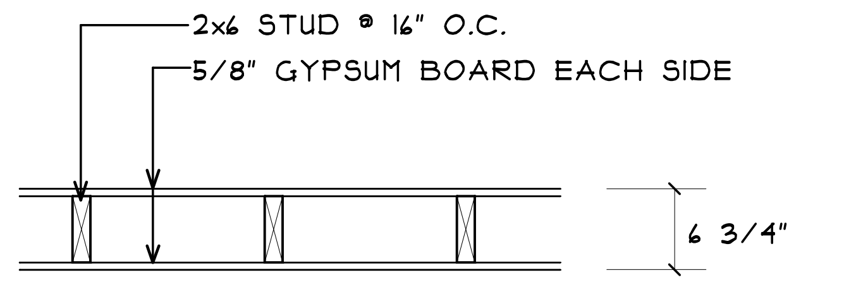
11 WALL TYPE	S.T.C. 40-44 + 5 = 49 MAX
SCALE: 3/4"=1'-0"	RATING - 2 HOUR (LOAD BEARING)
	U.L. DESIGN NO. U301 GA FILE NO. WP 4135 (NAILS) WP 4136 (SCREWS)


2x6 STUD @ 16" O.C.
(2) LAYERS 5/8" GYPSUM BOARD EACH SIDE
5 1/2" SOUND INSULATION
EXPLANATORY NOTES #10 (18TH EDITION GYPSUM MANUAL)
SEE U.L. DETAIL SHEET FOR FASTENERS, SPACING AND TYPE OF GYPSUM BOARD
8"

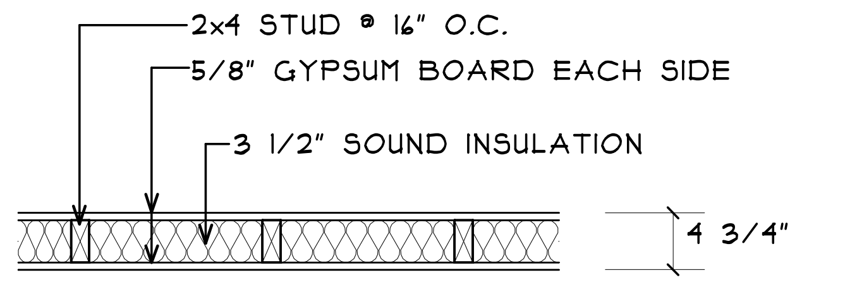
12 WALL TYPE	S.T.C. 40-44 + 7 = 51 MAX
SCALE: 3/4"=1'-0"	RATING - 2 HOUR (LOAD BEARING)
	U.L. DESIGN NO. U301 GA FILE NO. WP 4135 (NAILS) WP 4136 (SCREWS)


2x4 STUD @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
4 3/4"

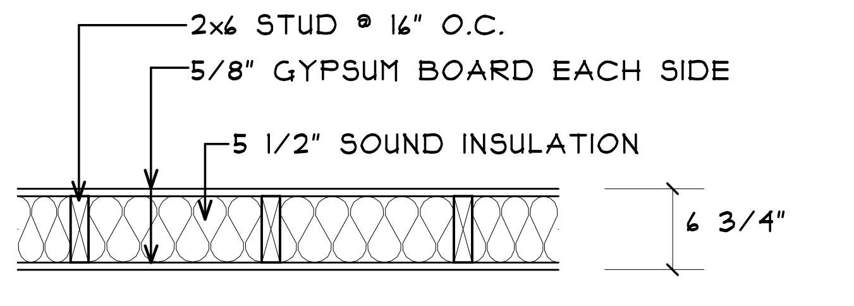
13 WALL TYPE	S.T.C. - 35
SCALE: 3/4"=1'-0"	RATING - NONE (LOAD BEARING)
	U.L. DESIGN NO.


2x6 STUD @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
6 3/4"

14 WALL TYPE	S.T.C. - 35
SCALE: 3/4"=1'-0"	RATING - NONE (LOAD BEARING)
	U.L. DESIGN NO.

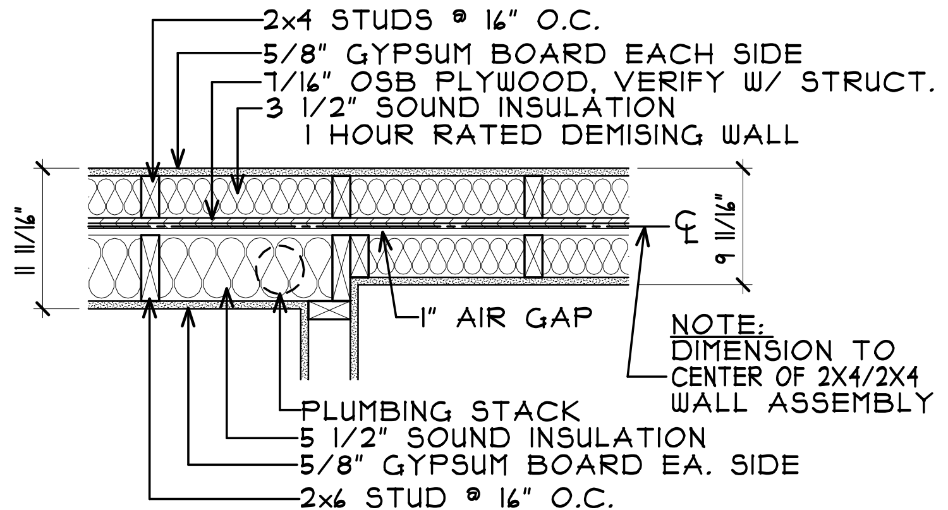

2x4 STUD @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
3 1/2" SOUND INSULATION
4 3/4"

15 WALL TYPE	S.T.C. 40
SCALE: 3/4"=1'-0"	RATING - NONE (LOAD BEARING)


2x6 STUD @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
5 1/2" SOUND INSULATION
6 3/4"

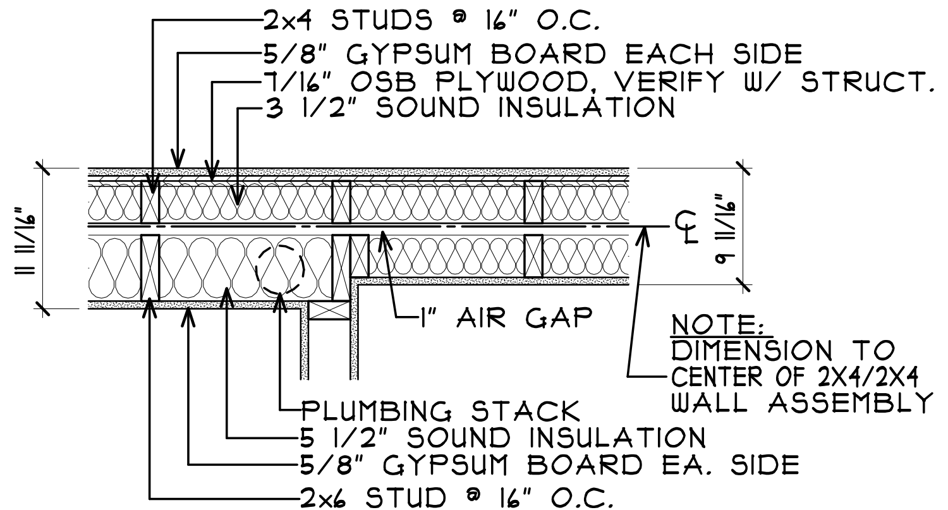
16 WALL TYPE	S.T.C. 40
SCALE: 3/4"=1'-0"	RATING - NONE (LOAD BEARING)

NOTE: REVIEW STRUCTURAL PLANS FOR SHEAR WALL NOTES WHICH MAY HAVE ADDITIONAL REQUIREMENTS FOR PARTY WALLS AND CORRIDOR WALLS (ALLOW FOR REQUIRED THICKNESS WHEN FRAMING AND INSTALLING PLUMBING ROUGH-INS) NON-SYMMETRICAL WALL TYPES ARE DIMENSIONED TO CENTER LINE OF THE STUD (RC CHANNELS WILL BE ON THE CORRIDOR SIDE UNLESS NOTED OTHERWISE)


2x4 STUDS @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
7/16" OSB PLYWOOD, VERIFY W/ STRUCT.
3 1/2" SOUND INSULATION
1 HOUR RATED DEMISING WALL
11 11/16"
CL
9 11/16"
1" AIR GAP
NOTE: DIMENSION TO CENTER OF 2X4/2X4 WALL ASSEMBLY
PLUMBING STACK
5 1/2" SOUND INSULATION
5/8" GYPSUM BOARD EA. SIDE
2x6 STUD @ 16" O.C.

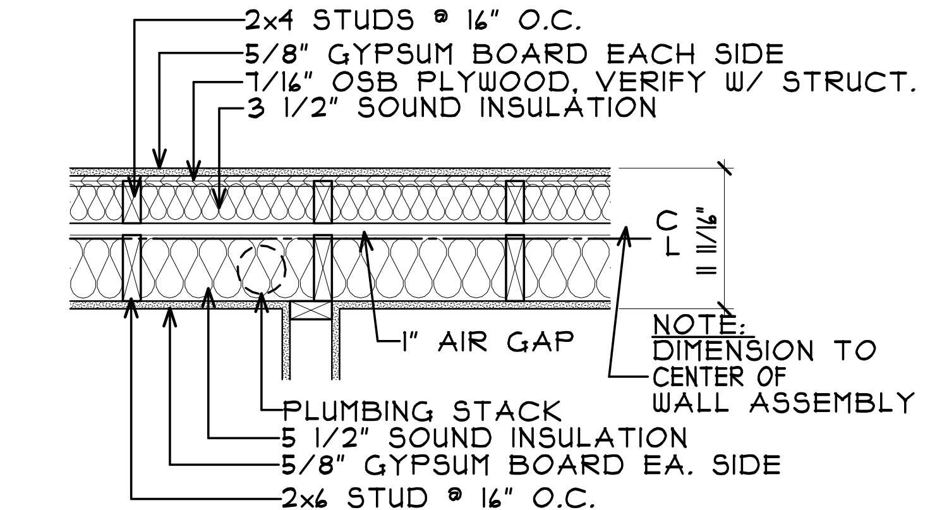
NOTE: PROVIDE FIREBLOCKING & DRAFTSTOPPING PER DETAILS 9 & 10/A801

24 WALL TYPE	S.T.C. 50+
SCALE: 3/4"=1'-0"	RATING - 1 HOUR (LOAD BEARING)
	GA FILE NO. WP 3370


2x4 STUDS @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
7/16" OSB PLYWOOD, VERIFY W/ STRUCT.
3 1/2" SOUND INSULATION
11 11/16"
CL
9 11/16"
1" AIR GAP
NOTE: DIMENSION TO CENTER OF 2X4/2X4 WALL ASSEMBLY
PLUMBING STACK
5 1/2" SOUND INSULATION
5/8" GYPSUM BOARD EA. SIDE
2x6 STUD @ 16" O.C.

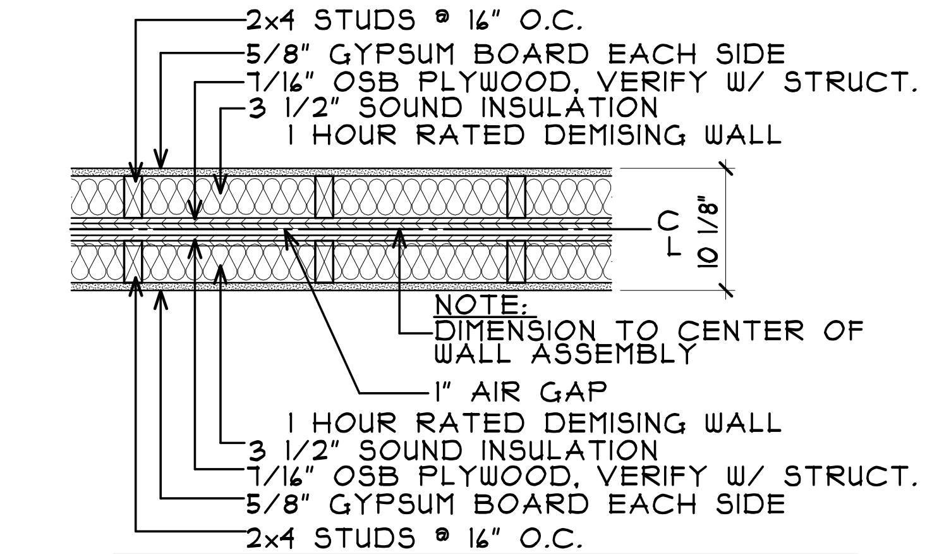
NOTE: PROVIDE FIREBLOCKING & DRAFTSTOPPING PER DETAILS 9 & 10/A801

24B WALL TYPE	S.T.C. 50+
SCALE: 3/4"=1'-0"	RATING - 1 HOUR (LOAD BEARING)
	GA FILE NO. WP 3370


2x4 STUDS @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
7/16" OSB PLYWOOD, VERIFY W/ STRUCT.
3 1/2" SOUND INSULATION
CL
11 11/16"
1" AIR GAP
NOTE: DIMENSION TO CENTER OF WALL ASSEMBLY
PLUMBING STACK
5 1/2" SOUND INSULATION
5/8" GYPSUM BOARD EA. SIDE
2x6 STUD @ 16" O.C.

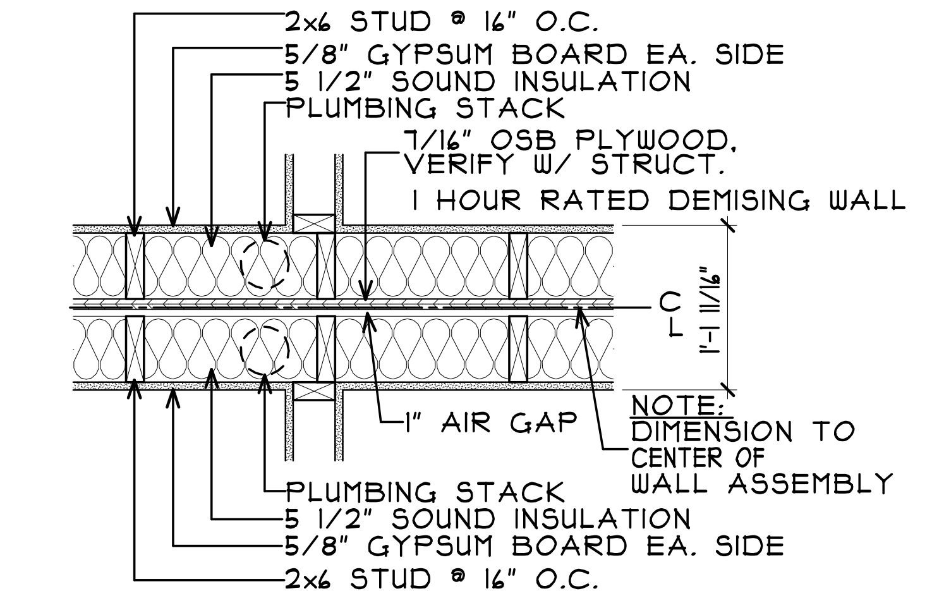
NOTE: PROVIDE FIREBLOCKING & DRAFTSTOPPING PER DETAILS 9 & 10/A801

25 WALL TYPE	S.T.C. 50+
SCALE: 3/4"=1'-0"	RATING - 1 HOUR (LOAD BEARING)
	GA FILE NO. WP 3370


2x4 STUDS @ 16" O.C.
5/8" GYPSUM BOARD EACH SIDE
7/16" OSB PLYWOOD, VERIFY W/ STRUCT.
3 1/2" SOUND INSULATION
1 HOUR RATED DEMISING WALL
CL
10 1/8"
NOTE: DIMENSION TO CENTER OF WALL ASSEMBLY
1" AIR GAP
1 HOUR RATED DEMISING WALL
3 1/2" SOUND INSULATION
7/16" OSB PLYWOOD, VERIFY W/ STRUCT.
5/8" GYPSUM BOARD EACH SIDE
2x4 STUDS @ 16" O.C.

NOTE: PROVIDE FIREBLOCKING & DRAFTSTOPPING PER DETAILS 9 & 10/A801

37 WALL TYPE	S.T.C. 50+
SCALE: 3/4"=1'-0"	RATING - 1 HOUR (LOAD BEARING)
	GA FILE NO. WP 3370


2x6 STUD @ 16" O.C.
5/8" GYPSUM BOARD EA. SIDE
5 1/2" SOUND INSULATION
PLUMBING STACK
7/16" OSB PLYWOOD, VERIFY W/ STRUCT.
1 HOUR RATED DEMISING WALL
CL
1'-1 11/16"
1" AIR GAP
NOTE: DIMENSION TO CENTER OF WALL ASSEMBLY
PLUMBING STACK
5 1/2" SOUND INSULATION
5/8" GYPSUM BOARD EA. SIDE
2x6 STUD @ 16" O.C.

NOTE: PROVIDE FIREBLOCKING & DRAFTSTOPPING PER DETAILS 9 & 10/A801

38 WALL TYPE	S.T.C. 50+
SCALE: 3/4"=1'-0"	RATING - 1 HOUR (LOAD BEARING)
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Date 10-4-18 # 22288

Name NORMAN E. COLE Signature

DEVELOPER:
KELLER/BAARTMAN
PROPERTIES
RED WING, MN
(651) 388-0000

PROPOSED 108 UNIT:
PARK PLACE
APARTMENTS
RED WING, MN

REVISIONS COMMENTS

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A402

PLOTTED: 10-4-18 FILE: 18011P COM: 3

CONTINUOUS RIDGE VENT
ASPHALT SHINGLES
STEEL BOARD & BATTEN SIDING VERIFY COLOR
PRE-FINISHED METAL FASCIA
12" FRIEZE BOARD
DECORATIVE BRACKET VERIFY STYLE W/ OWNER
TRUSS BRNG. ELEV. 142'-6 3/4"
4" CORNER TRIM
8" FRIEZE BOARD
TRUSS BRNG. ELEV. 131'-4 1/8"
HORIZ. LAP SIDING (4" LAP) VERIFY COLOR
TRUSS BRNG. ELEV. 120'-3"
4" TRIM
LP WOOD TEXTURED PANEL
TRUSS BRNG. ELEV. 109'-1 1/8"
HORIZ. LAP SIDING (8" LAP) VERIFY COLOR
FIN. FLOOR ELEV. 100'-1"
FIN. FLOOR ELEV. 89'-0"
VERIFY GRADE LOCATION W/ CIVIL DRAWINGS
4" TRIM AT WINDOW / PATIO DOOR
DECORATIVE LIGHTING VERIFY STYLE W/ OWNER
LP WOOD TEXTURED PANEL AT DECKS TYPICAL
PRE-FINISHED SUSPENDED METAL BALCONY
STONE SILL / CAP
FACE BRICK VENEER
PRE-FINISHED SUSPENDED METAL AWNING, VERIFY W/ OWNER
LARGE LANDSCAPE BLOCK RETAINING WALL, VERIFY W/ OWNER
METAL GUARDRAIL 42" HIGH DESIGNED TO STOP THE PASSAGE OF A 4" SPHERE
STONE SILL / CAP
FACE BRICK VENEER
T.O. SHTG. ELEV. 111'-1 1/8"
T.O. SHTG. ELEV. 122'-3 3/4"
T.O. SHTG. ELEV. 133'-5 5/8"
HORIZ. LAP SIDING (4" LAP) VERIFY COLOR
ASPHALT SHINGLES
6" FRIEZE BOARD
STEEL BOARD & BATTEN SIDING VERIFY COLOR
DECORATIVE GABLE CORBEL VERIFY W/ OWNER
DECORATIVE LOUVER VERIFY COLOR
6:12
8:12
12:12
12
8
6
3'-4"
2'-0"

REAR SOUTH EAST ELEVATION "A"
SCALE: 1/8" = 1'-0"

DECORATIVE LOUVER VERIFY COLOR
DECORATIVE GABLE CORBEL VERIFY W/ OWNER
STEEL BOARD & BATTEN SIDING VERIFY COLOR
6" FRIEZE BOARD
ASPHALT SHINGLES
HORIZ. LAP SIDING (4" LAP) VERIFY COLOR
T.O. SHTG. ELEV. 133'-5 5/8"
T.O. SHTG. ELEV. 122'-3 3/4"
T.O. SHTG. ELEV. 111'-1 1/8"
STONE SILL / CAP
FACE BRICK VENEER
METAL GUARDRAIL 42" HIGH DESIGNED TO STOP THE PASSAGE OF A 4" SPHERE
STAIRWAY SHOWN DASHED VERIFY RISER COUNT W/ CIVIL / FINAL GRADE PROVIDE MID LANDING IF TOTAL RISE EXCEEDS 12'
LARGE LANDSCAPE BLOCK RETAINING WALL, VERIFY W/ OWNER
PRE-FINISHED SUSPENDED METAL AWNING, VERIFY W/ OWNER
STONE SILL / CAP
FACE BRICK VENEER
LP WOOD TEXTURED PANEL AT DECKS TYPICAL
PRE-FINISHED SUSPENDED METAL BALCONY
4" TRIM AT WINDOW / PATIO DOOR
DECORATIVE LIGHTING VERIFY STYLE W/ OWNER
VERIFY GRADE LOCATION W/ CIVIL DRAWINGS
CONTINUOUS RIDGE VENT
ASPHALT SHINGLES
STEEL BOARD & BATTEN SIDING VERIFY COLOR
PRE-FINISHED METAL FASCIA
12" FRIEZE BOARD
DECORATIVE BRACKET VERIFY STYLE W/ OWNER
4" TRIM
TRUSS BRNG. ELEV. 142'-6 3/4"
4" CORNER TRIM
8" FRIEZE BOARD
TRUSS BRNG. ELEV. 131'-4 1/8"
HORIZ. LAP SIDING (4" LAP) VERIFY COLOR
TRUSS BRNG. ELEV. 120'-3"
4" TRIM
LP WOOD TEXTURED PANEL
TRUSS BRNG. ELEV. 109'-1 1/8"
HORIZ. LAP SIDING (8" LAP) VERIFY COLOR
FIN. FLOOR ELEV. 100'-1"
FIN. FLOOR ELEV. 89'-0"
8:12
6:12
12:12
12
8
2'-0"
3'-4"

REAR NORTH EAST ELEVATION "B"
SCALE: 1/8" = 1'-0"

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Name NORMAN E. COLE Signature

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RED WING, MN
KB KELLER/BAARTMAN PROPERTIES
DEVELOPER:

RED WING, MN
APARTMENTS
PARK PLACE
PROPOSED 108 UNIT:

REVISIONS	COMMENTS	REVISIONS	COMMENTS

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Document Set:
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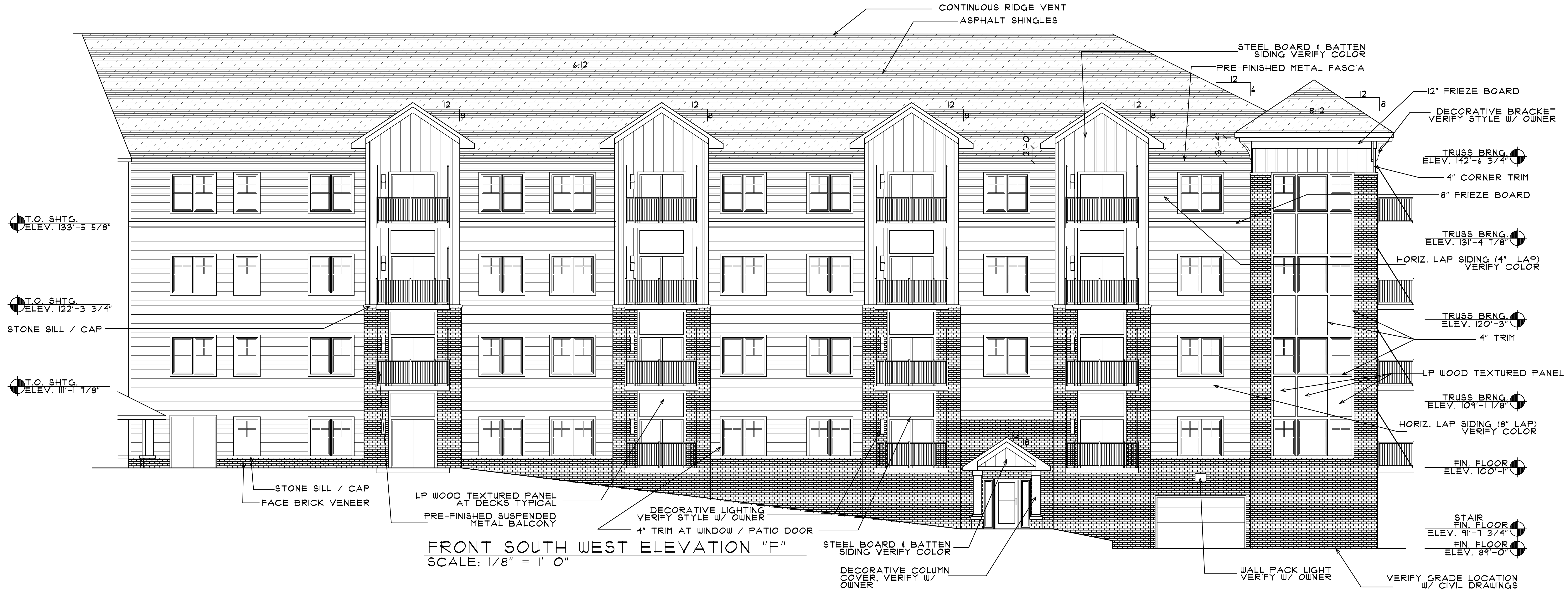
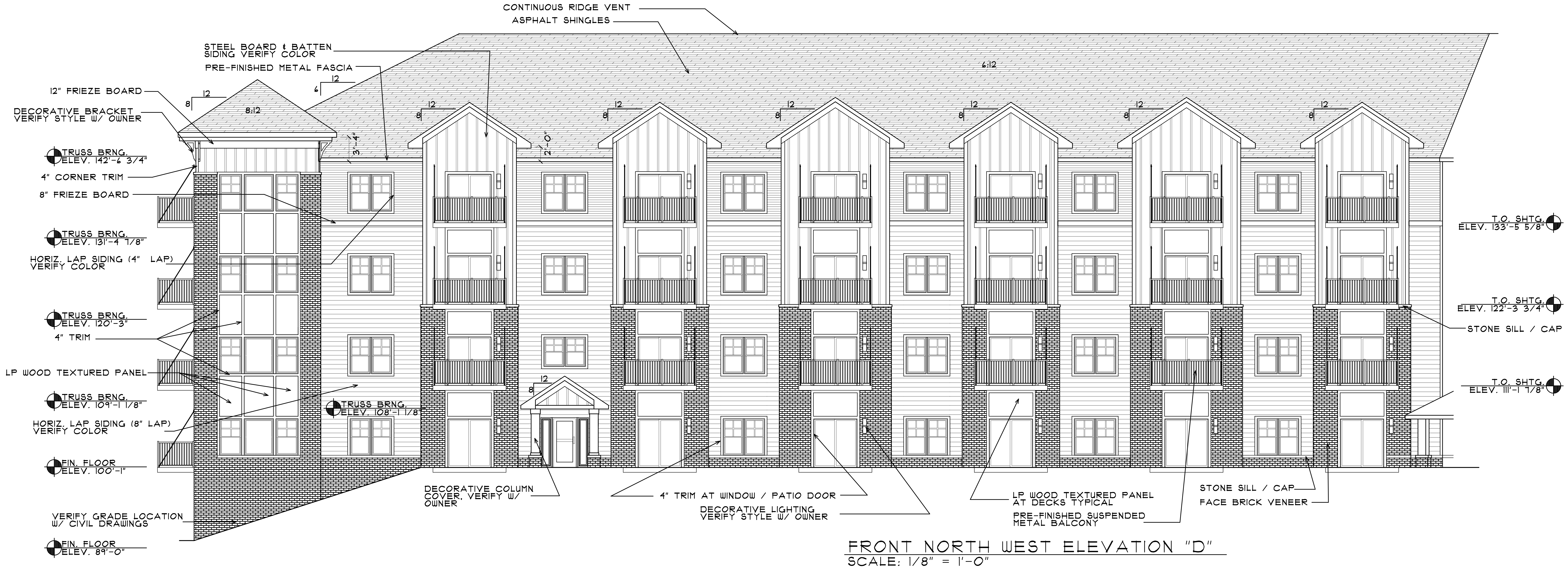

CONTINUOUS RIDGE VENT
ASPHALT SHINGLES
6:12
STEEL BOARD & BATTEN SIDING VERIFY COLOR
PRE-FINISHED METAL FASCIA
12
8
8:12
2'-0"
3'-4"
12" FRIEZE BOARD
DECORATIVE BRACKET VERIFY STYLE W/ OWNER
TRUSS BRNG. ELEV. 142'-6 3/4"
4" CORNER TRIM
8" FRIEZE BOARD
TRUSS BRNG. ELEV. 131'-4 7/8"
HORIZ. LAP SIDING (4" LAP) VERIFY COLOR
TRUSS BRNG. ELEV. 120'-3"
4" TRIM
LP WOOD TEXTURED PANEL
TRUSS BRNG. ELEV. 109'-1 1/8"
HORIZ. LAP SIDING (8" LAP) VERIFY COLOR
FIN. FLOOR ELEV. 100'-1"
STAIR FIN. FLOOR ELEV. 91'-1 3/4"
FIN. FLOOR ELEV. 89'-0"
T.O. SHTG. ELEV. 133'-5 5/8"
T.O. SHTG. ELEV. 122'-3 3/4"
STONE SILL / CAP
T.O. SHTG. ELEV. 111'-1 1/8"
STONE SILL / CAP
FACE BRICK VENEER
LP WOOD TEXTURED PANEL AT DECKS TYPICAL
PRE-FINISHED SUSPENDED METAL BALCONY
DECORATIVE LIGHTING VERIFY STYLE W/ OWNER
4" TRIM AT WINDOW / PATIO DOOR
STEEL BOARD & BATTEN SIDING VERIFY COLOR
DECORATIVE COLUMN COVER, VERIFY W/ OWNER
WALL PACK LIGHT VERIFY W/ OWNER
VERIFY GRADE LOCATION W/ CIVIL DRAWINGS

FRONT SOUTH WEST ELEVATION "F"
SCALE: 1/8" = 1'-0"


CONTINUOUS RIDGE VENT
ASPHALT SHINGLES
STEEL BOARD & BATTEN SIDING VERIFY COLOR
PRE-FINISHED METAL FASCIA
12" FRIEZE BOARD
DECORATIVE BRACKET VERIFY STYLE W/ OWNER
6:12
8:12
12
8
6
3'-4"
2'-0"
TRUSS BRNG. ELEV. 142'-6 3/4"
4" CORNER TRIM
8" FRIEZE BOARD
TRUSS BRNG. ELEV. 131'-4 7/8"
HORIZ. LAP SIDING (4" LAP) VERIFY COLOR
TRUSS BRNG. ELEV. 120'-3"
4" TRIM
LP WOOD TEXTURED PANEL
TRUSS BRNG. ELEV. 109'-1 1/8"
TRUSS BRNG. ELEV. 108'-1 1/8"
HORIZ. LAP SIDING (8" LAP) VERIFY COLOR
FIN. FLOOR ELEV. 100'-1"
VERIFY GRADE LOCATION W/ CIVIL DRAWINGS
FIN. FLOOR ELEV. 89'-0"
T.O. SHTG. ELEV. 133'-5 5/8"
T.O. SHTG. ELEV. 122'-3 3/4"
STONE SILL / CAP
T.O. SHTG. ELEV. 111'-1 1/8"
DECORATIVE COLUMN COVER, VERIFY W/ OWNER
4" TRIM AT WINDOW / PATIO DOOR
DECORATIVE LIGHTING VERIFY STYLE W/ OWNER
LP WOOD TEXTURED PANEL AT DECKS TYPICAL
PRE-FINISHED SUSPENDED METAL BALCONY
STONE SILL / CAP
FACE BRICK VENEER

FRONT NORTH WEST ELEVATION "D"
SCALE: 1/8" = 1'-0"

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I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of MINNESOTA

Date 10-4-18 # 22288

Name NORMAN E. COLE Signature

DEVELOPER:
KB KELLER/BAARTMAN PROPERTIES
RED WING, MN
(651) 388-0000

PROPOSED 108 UNIT:
PARK PLACE
APARTMENTS
RED WING, MN

REVISIONS	COMMENTS

REVISIONS	COMMENTS

Project No.
18011
Submittal Date:
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Document Set:
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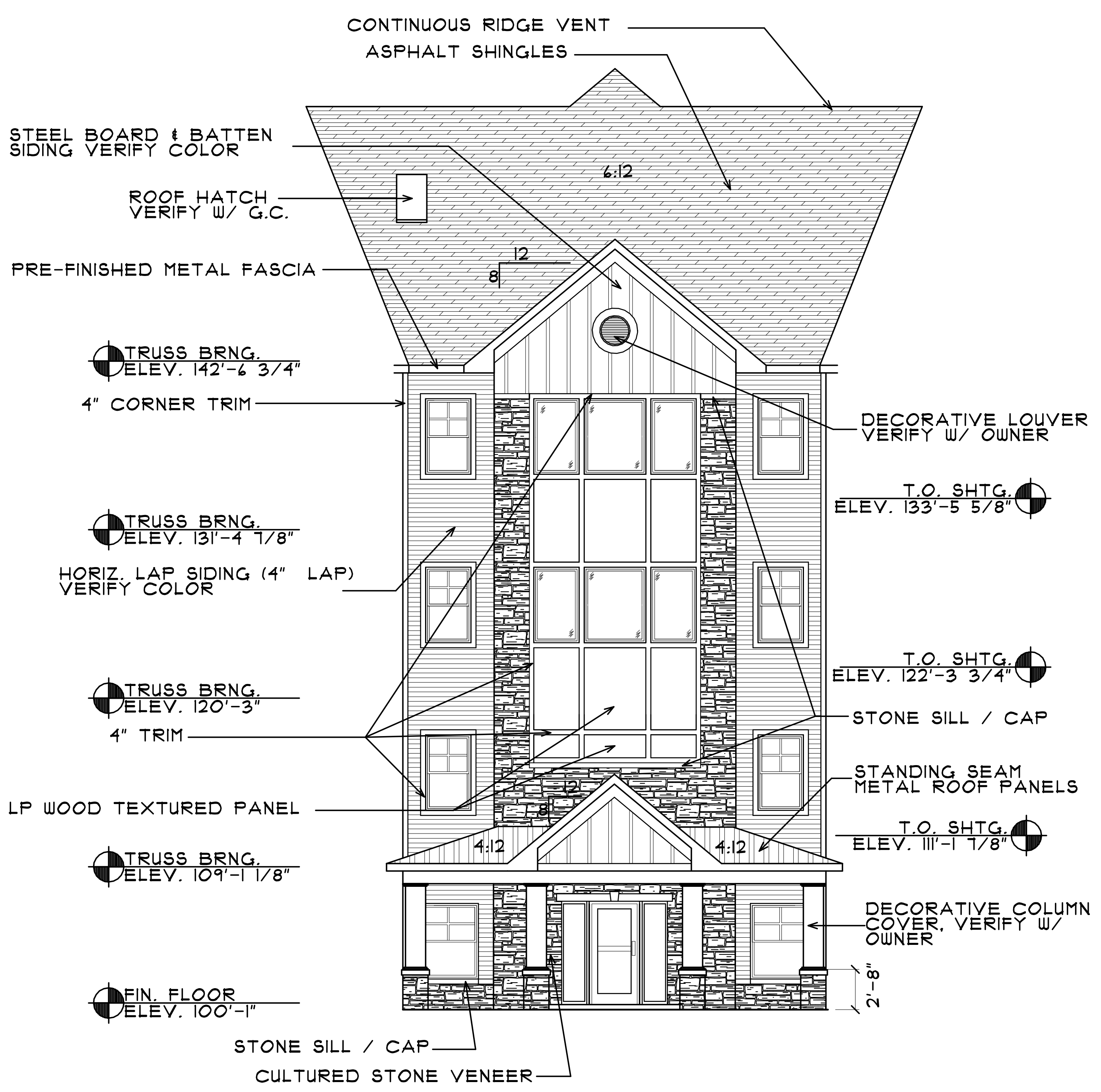
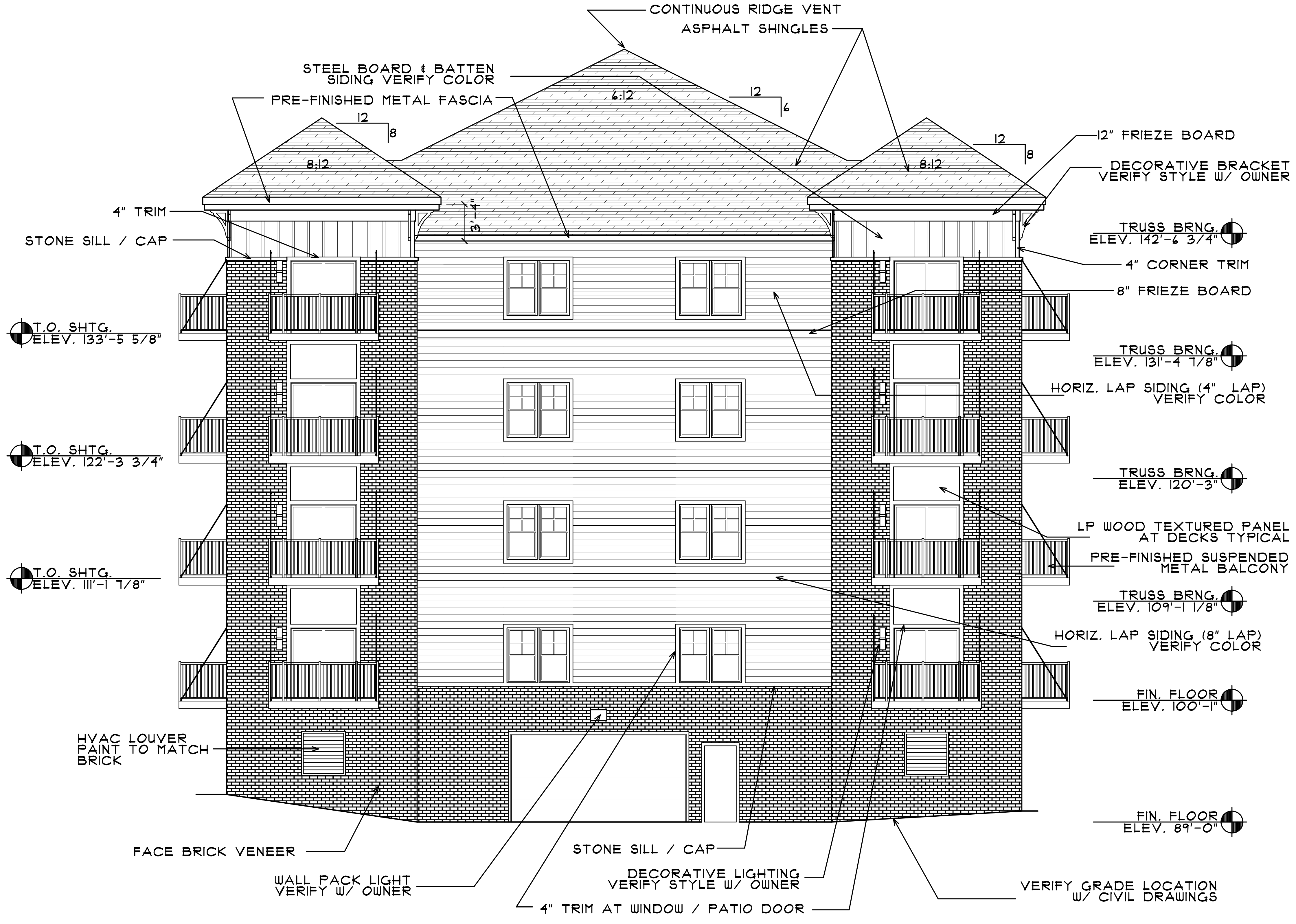
A502

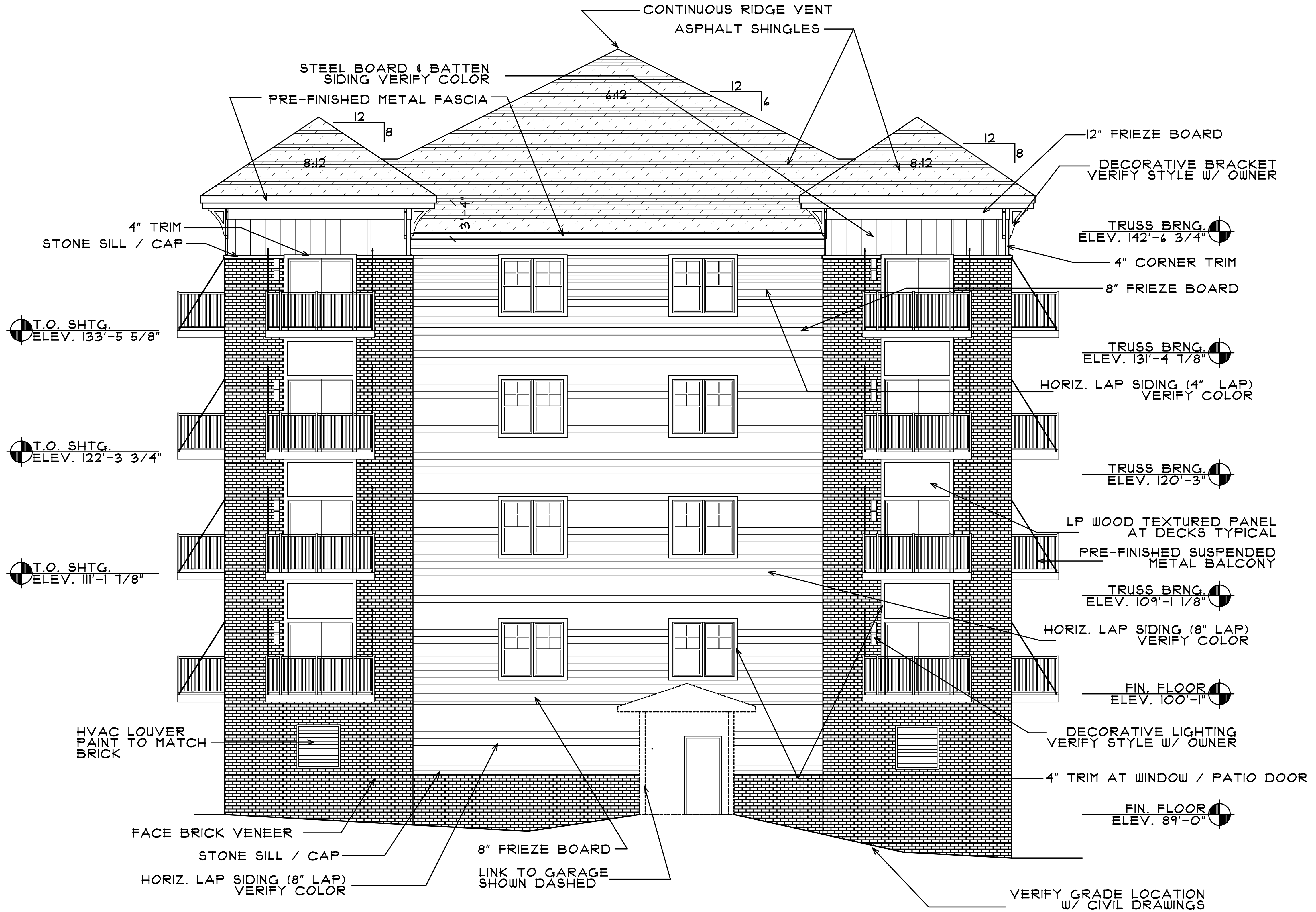
PLOTTED: 10-4-18 FILE: 18011E COM: 4


CONTINUOUS RIDGE VENT
ASPHALT SHINGLES
STEEL BOARD & BATTEN SIDING VERIFY COLOR
ROOF HATCH VERIFY W/ G.C.
6:12
PRE-FINISHED METAL FASCIA
12
8
TRUSS BRNG. ELEV. 142'-6 3/4"
4" CORNER TRIM
DECORATIVE LOUVER VERIFY W/ OWNER
T.O. SHTG. ELEV. 133'-5 5/8"
TRUSS BRNG. ELEV. 131'-4 7/8"
HORIZ. LAP SIDING (4" LAP) VERIFY COLOR
T.O. SHTG. ELEV. 122'-3 3/4"
TRUSS BRNG. ELEV. 120'-3"
4" TRIM
STONE SILL / CAP
STANDING SEAM METAL ROOF PANELS
LP WOOD TEXTURED PANEL
T.O. SHTG. ELEV. 111'-1 7/8"
4:12
4:12
TRUSS BRNG. ELEV. 109'-1 1/8"
DECORATIVE COLUMN COVER, VERIFY W/ OWNER
2'-8"
FIN. FLOOR ELEV. 100'-1"
STONE SILL / CAP
CULTURED STONE VENEER

FRONT WEST ELEVATION "E"
SCALE: 1/8" = 1'-0"


CONTINUOUS RIDGE VENT
ASPHALT SHINGLES
STEEL BOARD & BATTEN SIDING VERIFY COLOR
PRE-FINISHED METAL FASCIA
6:12
12
6
12
8
8:12
8:12
12
8
12" FRIEZE BOARD
DECORATIVE BRACKET VERIFY STYLE W/ OWNER
4" TRIM
STONE SILL / CAP
3'-4"
TRUSS BRNG. ELEV. 142'-6 3/4"
4" CORNER TRIM
8" FRIEZE BOARD
T.O. SHTG. ELEV. 133'-5 5/8"
TRUSS BRNG. ELEV. 131'-4 7/8"
HORIZ. LAP SIDING (4" LAP) VERIFY COLOR
T.O. SHTG. ELEV. 122'-3 3/4"
TRUSS BRNG. ELEV. 120'-3"
LP WOOD TEXTURED PANEL AT DECKS TYPICAL
PRE-FINISHED SUSPENDED METAL BALCONY
T.O. SHTG. ELEV. 111'-1 7/8"
TRUSS BRNG. ELEV. 109'-1 1/8"
HORIZ. LAP SIDING (8" LAP) VERIFY COLOR
FIN. FLOOR ELEV. 100'-1"
HVAC LOUVER PAINT TO MATCH BRICK
FIN. FLOOR ELEV. 89'-0"
FACE BRICK VENEER
STONE SILL / CAP
WALL PACK LIGHT VERIFY W/ OWNER
DECORATIVE LIGHTING VERIFY STYLE W/ OWNER
4" TRIM AT WINDOW / PATIO DOOR
VERIFY GRADE LOCATION W/ CIVIL DRAWINGS

SIDE NORTH ELEVATION "C"
SCALE: 1/8" = 1'-0"


CONTINUOUS RIDGE VENT
ASPHALT SHINGLES
STEEL BOARD & BATTEN SIDING VERIFY COLOR
PRE-FINISHED METAL FASCIA
6:12
12
6
12
8
8:12
8:12
12
8
12" FRIEZE BOARD
DECORATIVE BRACKET VERIFY STYLE W/ OWNER
4" TRIM
STONE SILL / CAP
3'-4"
TRUSS BRNG. ELEV. 142'-6 3/4"
4" CORNER TRIM
8" FRIEZE BOARD
T.O. SHTG. ELEV. 133'-5 5/8"
TRUSS BRNG. ELEV. 131'-4 7/8"
HORIZ. LAP SIDING (4" LAP) VERIFY COLOR
T.O. SHTG. ELEV. 122'-3 3/4"
TRUSS BRNG. ELEV. 120'-3"
LP WOOD TEXTURED PANEL AT DECKS TYPICAL
PRE-FINISHED SUSPENDED METAL BALCONY
T.O. SHTG. ELEV. 111'-1 7/8"
TRUSS BRNG. ELEV. 109'-1 1/8"
HORIZ. LAP SIDING (8" LAP) VERIFY COLOR
FIN. FLOOR ELEV. 100'-1"
DECORATIVE LIGHTING VERIFY STYLE W/ OWNER
HVAC LOUVER PAINT TO MATCH BRICK
4" TRIM AT WINDOW / PATIO DOOR
FIN. FLOOR ELEV. 89'-0"
FACE BRICK VENEER
STONE SILL / CAP
HORIZ. LAP SIDING (8" LAP) VERIFY COLOR
8" FRIEZE BOARD
LINK TO GARAGE SHOWN DASHED
VERIFY GRADE LOCATION W/ CIVIL DRAWINGS

SIDE SOUTH ELEVATION "G"
SCALE: 1/8" = 1'-0"

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Name NORMAN E. COLE Signature

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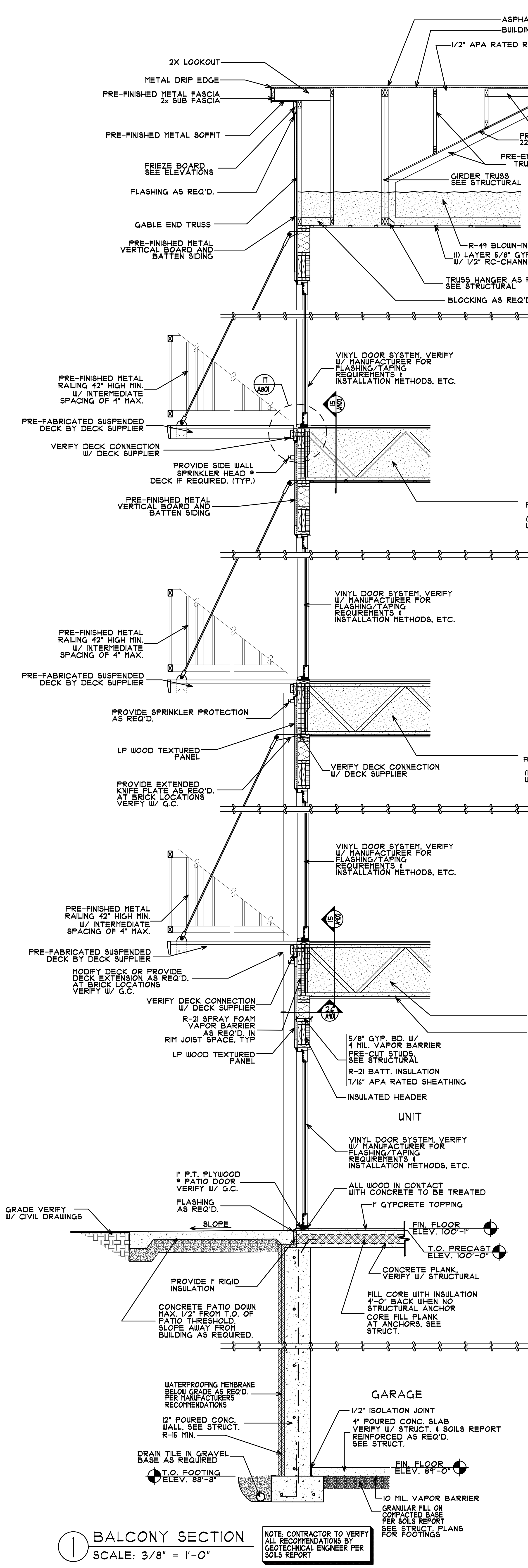
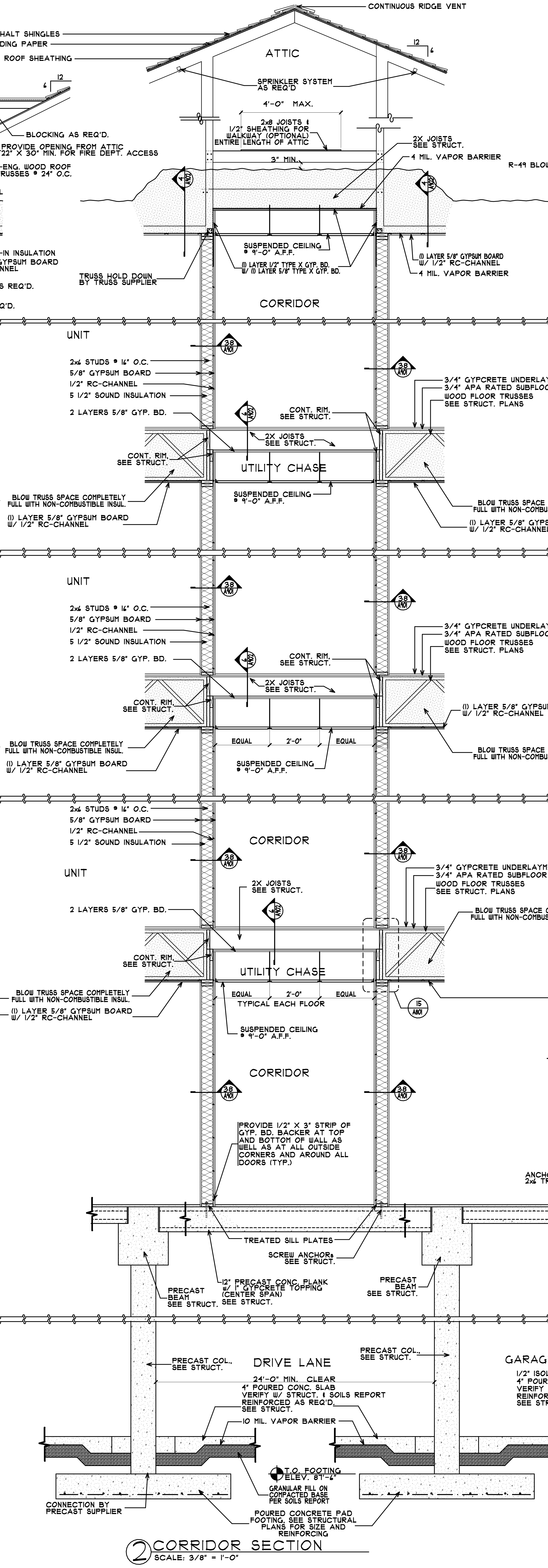


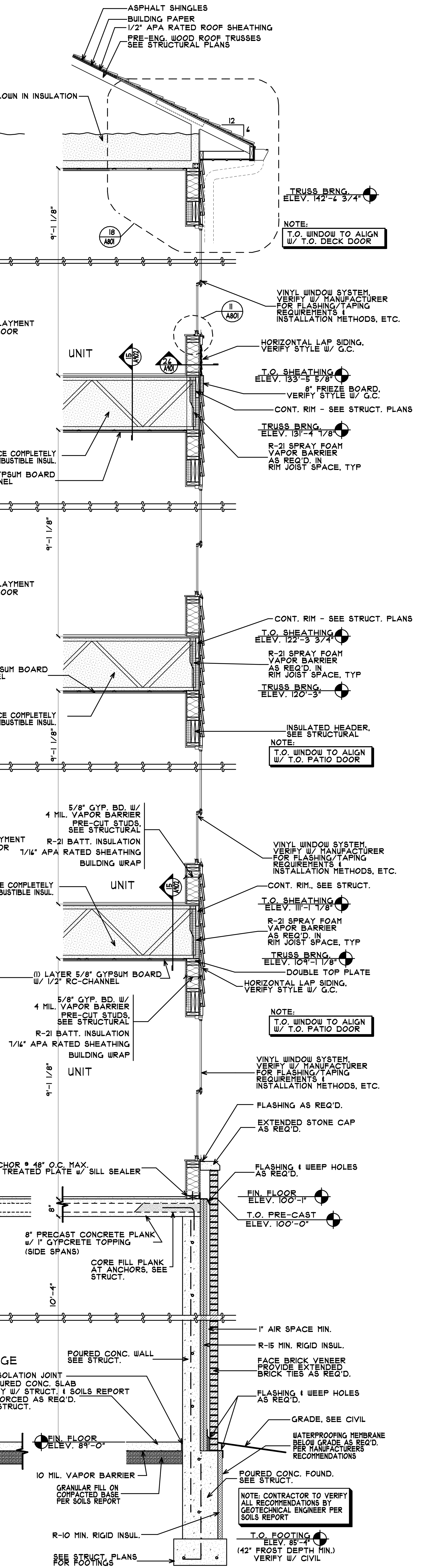
2X LOOKOUT
METAL DRIP EDGE
PRE-FINISHED METAL FASCIA 2x SUB FASCIA
PRE-FINISHED METAL SOFFIT
FRIEZE BOARD SEE ELEVATIONS
FLASHING AS REQ'D.
GABLE END TRUSS
PRE-FINISHED METAL VERTICAL BOARD AND BATTEN SIDING
ASPHALT SHINGLES
BUILDING PAPER
1/2" APA RATED ROOF SHEATHING
12
6
BLOCKING AS REQ'D.
PROVIDE OPENING FROM ATTIC 22" X 30" MIN. FOR FIRE DEPT. ACCESS
PRE-ENG. WOOD ROOF TRUSSES @ 24" O.C.
GIRDER TRUSS SEE STRUCTURAL
R-49 BLOWN-IN INSULATION
(1) LAYER 5/8" GYPSUM BOARD W/ 1/2" RC-CHANNEL
TRUSS HANGER AS REQ'D. SEE STRUCTURAL
BLOCKING AS REQ'D.
PRE-FINISHED METAL RAILING 42" HIGH MIN. W/ INTERMEDIATE SPACING OF 4" MAX.
PRE-FABRICATED SUSPENDED DECK BY DECK SUPPLIER
VERIFY DECK CONNECTION W/ DECK SUPPLIER
PROVIDE SIDE WALL SPRINKLER HEAD @ DECK IF REQUIRED. (TYP.)
PRE-FINISHED METAL VERTICAL BOARD AND BATTEN SIDING
VINYL DOOR SYSTEM, VERIFY W/ MANUFACTURER FOR FLASHING/TAPING REQUIREMENTS & INSTALLATION METHODS, ETC.
17 A801
PROVIDE SPRINKLER PROTECTION AS REQ'D.
LP WOOD TEXTURED PANEL
PROVIDE EXTENDED KNIFE PLATE AS REQ'D. AT BRICK LOCATIONS VERIFY W/ G.C.
VERIFY DECK CONNECTION W/ DECK SUPPLIER
MODIFY DECK OR PROVIDE DECK EXTENSION AS REQ'D. AT BRICK LOCATIONS VERIFY W/ G.C.
R-21 SPRAY FOAM VAPOR BARRIER AS REQ'D. IN RIM JOIST SPACE, TYP
5/8" GYP. BD. W/ 4 MIL. VAPOR BARRIER
PRE-CUT STUDS, SEE STRUCTURAL
R-21 BATT. INSULATION
7/16" APA RATED SHEATHING
INSULATED HEADER
UNIT
1" P.T. PLYWOOD @ PATIO DOOR VERIFY W/ G.C.
FLASHING AS REQ'D.
GRADE VERIFY W/ CIVIL DRAWINGS
SLOPE
ALL WOOD IN CONTACT WITH CONCRETE TO BE TREATED
1" GYPCRETE TOPPING
FIN. FLOOR ELEV. 100'-1"
T.O. PRECAST ELEV. 100'-0"
PROVIDE 1" RIGID INSULATION
CONCRETE PATIO DOWN MAX. 1/2" FROM T.O. OF PATIO THRESHOLD. SLOPE AWAY FROM BUILDING AS REQUIRED.
CONCRETE PLANK, VERIFY W/ STRUCTURAL
FILL CORE WITH INSULATION 4'-0" BACK WHEN NO STRUCTURAL ANCHOR CORE FILL PLANK AT ANCHORS, SEE STRUCT.
WATERPROOFING MEMBRANE BELOW GRADE AS REQ'D. PER MANUFACTURERS RECOMMENDATIONS
12" POURED CONC. WALL, SEE STRUCT. R-15 MIN.
DRAIN TILE IN GRAVEL BASE AS REQUIRED
T.O. FOOTING ELEV. 88'-8"
GARAGE
1/2" ISOLATION JOINT
4" POURED CONC. SLAB VERIFY W/ STRUCT. & SOILS REPORT REINFORCED AS REQ'D. SEE STRUCT.
FIN. FLOOR ELEV. 89'-0"
10 MIL. VAPOR BARRIER
GRANULAR FILL ON COMPACTED BASE PER SOILS REPORT
SEE STRUCT. PLANS FOR FOOTINGS
NOTE: CONTRACTOR TO VERIFY ALL RECOMMENDATIONS BY GEOTECHNICAL ENGINEER PER SOILS REPORT

① BALCONY SECTION
SCALE: 3/8" = 1'-0"



CONTINUOUS RIDGE VENT
ATTIC
12
6
SPRINKLER SYSTEM AS REQ'D
4'-0" MAX.
2x8 JOISTS @ 1/2" SHEATHING FOR WALKWAY (OPTIONAL) ENTIRE LENGTH OF ATTIC
3" MIN.
2X JOISTS SEE STRUCT.
4 MIL. VAPOR BARRIER
R-49 BLOWN IN INSULATION
SUSPENDED CEILING @ 9'-0" A.F.F.
(1) LAYER 1/2" TYPE X GYP. BD. W/ (1) LAYER 5/8" TYPE X GYP. BD.
(1) LAYER 5/8" GYPSUM BOARD W/ 1/2" RC-CHANNEL
4 MIL. VAPOR BARRIER
TRUSS HOLD DOWN BY TRUSS SUPPLIER
CORRIDOR
UNIT
9'-1 1/8"
2x6 STUDS @ 16" O.C.
5/8" GYPSUM BOARD
1/2" RC-CHANNEL
5 1/2" SOUND INSULATION
2 LAYERS 5/8" GYP. BD.
CONT. RIM. SEE STRUCT.
2X JOISTS SEE STRUCT.
UTILITY CHASE
SUSPENDED CEILING @ 9'-0" A.F.F.
3/4" GYPCRETE UNDERLAYMENT
3/4" APA RATED SUBFLOOR
WOOD FLOOR TRUSSES SEE STRUCT. PLANS
BLOW TRUSS SPACE COMPLETELY FULL WITH NON-COMBUSTIBLE INSUL.
(1) LAYER 5/8" GYPSUM BOARD W/ 1/2" RC-CHANNEL
EQUAL
2'-0"
TYPICAL EACH FLOOR
15 A801
PROVIDE 1/2" X 3" STRIP OF GYP. BD. BACKER AT TOP AND BOTTOM OF WALL AS WELL AS AT ALL OUTSIDE CORNERS AND AROUND ALL DOORS (TYP.)
TREATED SILL PLATES
SCREW ANCHORS SEE STRUCT.
12" PRECAST CONC. PLANK W/ 1" GYPCRETE TOPPING (CENTER SPAN) SEE STRUCT.
PRECAST BEAM SEE STRUCT.
PRECAST COL. SEE STRUCT.
DRIVE LANE
24'-0" MIN. CLEAR
4" POURED CONC. SLAB VERIFY W/ STRUCT. & SOILS REPORT REINFORCED AS REQ'D. SEE STRUCT.
10 MIL. VAPOR BARRIER
T.O. FOOTING ELEV. 87'-4"
GRANULAR FILL ON COMPACTED BASE PER SOILS REPORT
POURED CONCRETE PAD FOOTING, SEE STRUCTURAL PLANS FOR SIZE AND REINFORCING
CONNECTION BY PRECAST SUPPLIER

②CORRIDOR SECTION
SCALE: 3/8" = 1'-0"



ASPHALT SHINGLES
BUILDING PAPER
1/2" APA RATED ROOF SHEATHING
PRE-ENG. WOOD ROOF TRUSSES SEE STRUCTURAL PLANS
R-49 BLOWN IN INSULATION
12
6
18 A801
TRUSS BRNG. ELEV. 142'-6 3/4"
NOTE: T.O. WINDOW TO ALIGN W/ T.O. DECK DOOR
VINYL WINDOW SYSTEM, VERIFY W/ MANUFACTURER FOR FLASHING/TAPING REQUIREMENTS & INSTALLATION METHODS, ETC.
11 A801
HORIZONTAL LAP SIDING, VERIFY STYLE W/ G.C.
UNIT
T.O. SHEATHING ELEV. 133'-5 5/8"
8" FRIEZE BOARD, VERIFY STYLE W/ G.C.
CONT. RIM - SEE STRUCT. PLANS
TRUSS BRNG. ELEV. 131'-4 1/8"
R-21 SPRAY FOAM VAPOR BARRIER AS REQ'D. IN RIM JOIST SPACE, TYP
T.O. SHEATHING ELEV. 122'-3 3/4"
TRUSS BRNG. ELEV. 120'-3"
INSULATED HEADER, SEE STRUCTURAL
NOTE: T.O. WINDOW TO ALIGN W/ T.O. PATIO DOOR
5/8" GYP. BD. W/ 4 MIL. VAPOR BARRIER
PRE-CUT STUDS, SEE STRUCTURAL
R-21 BATT. INSULATION
7/16" APA RATED SHEATHING
BUILDING WRAP
CONT. RIM, SEE STRUCT.
T.O. SHEATHING ELEV. 111'-1 7/8"
TRUSS BRNG. ELEV. 109'-1 1/8"
DOUBLE TOP PLATE
HORIZONTAL LAP SIDING, VERIFY STYLE W/ G.C.
9'-1 1/8"
FLASHING AS REQ'D.
EXTENDED STONE CAP AS REQ'D.
ANCHOR @ 48" O.C. MAX. 2x6 TREATED PLATE w/ SILL SEALER
FLASHING & WEEP HOLES AS REQ'D.
FIN. FLOOR ELEV. 100'-1"
T.O. PRE-CAST ELEV. 100'-0"
8" PRECAST CONCRETE PLANK W/ 1" GYPCRETE TOPPING (SIDE SPANS)
CORE FILL PLANK AT ANCHORS, SEE STRUCT.
10'-4"
1" AIR SPACE MIN.
R-15 MIN. RIGID INSUL.
POURED CONC. WALL SEE STRUCT.
FACE BRICK VENEER PROVIDE EXTENDED BRICK TIES AS REQ'D.
GARAGE
1/2" ISOLATION JOINT
4" POURED CONC. SLAB VERIFY W/ STRUCT. & SOILS REPORT REINFORCED AS REQ'D. SEE STRUCT.
FLASHING & WEEP HOLES AS REQ'D.
GRADE, SEE CIVIL
WATERPROOFING MEMBRANE BELOW GRADE AS REQ'D. PER MANUFACTURERS RECOMMENDATIONS
FIN. FLOOR ELEV. 89'-0"
10 MIL. VAPOR BARRIER
GRANULAR FILL ON COMPACTED BASE PER SOILS REPORT
POURED CONC. FOUND. SEE STRUCT.
NOTE: CONTRACTOR TO VERIFY ALL RECOMMENDATIONS BY GEOTECHNICAL ENGINEER PER SOILS REPORT
R-10 MIN. RIGID INSUL.
T.O. FOOTING ELEV. 85'-4" (42" FROST DEPTH MIN.) VERIFY W/ CIVIL
SEE STRUCT. PLANS FOR FOOTINGS

③TYPICAL WALL SECTION
SCALE: 3/8" = 1'-0"

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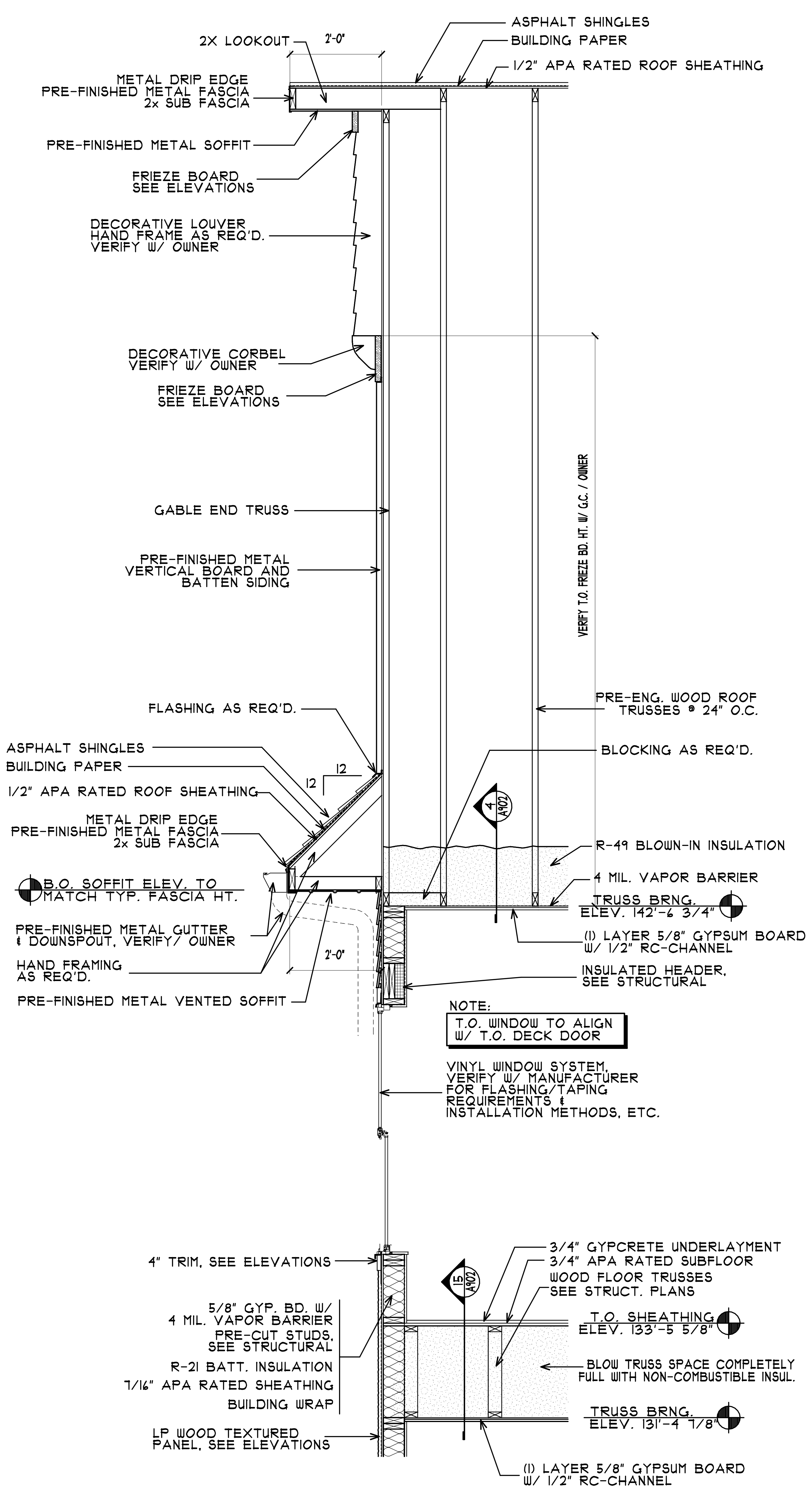
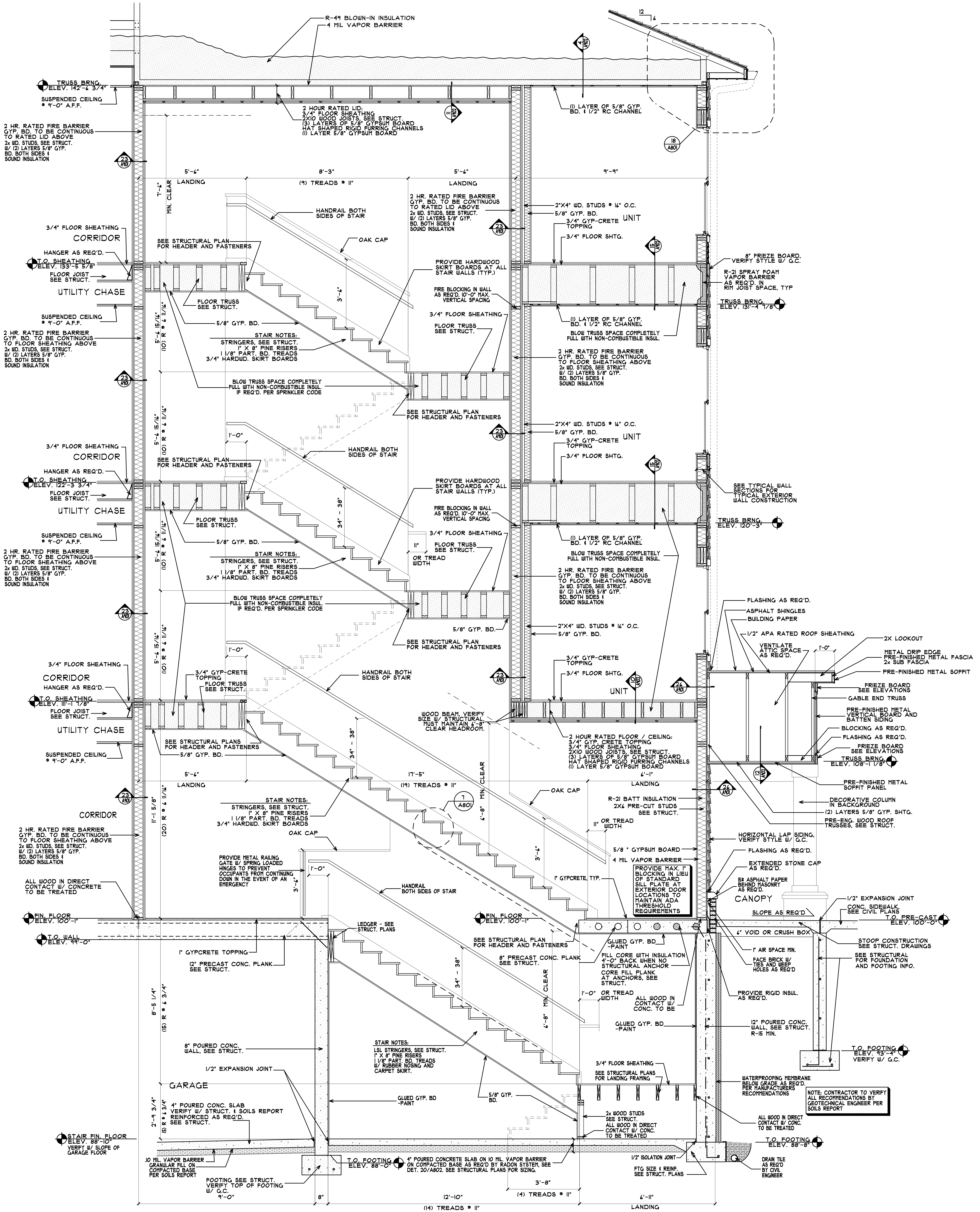

2X LOOKOUT
2'-0"
ASPHALT SHINGLES
BUILDING PAPER
1/2" APA RATED ROOF SHEATHING
METAL DRIP EDGE
PRE-FINISHED METAL FASCIA
2x SUB FASCIA
PRE-FINISHED METAL SOFFIT
FRIEZE BOARD SEE ELEVATIONS
DECORATIVE LOUVER HAND FRAME AS REQ'D. VERIFY W/ OWNER
DECORATIVE CORBEL VERIFY W/ OWNER
FRIEZE BOARD SEE ELEVATIONS
GABLE END TRUSS
PRE-FINISHED METAL VERTICAL BOARD AND BATTEN SIDING
VERIFY T.O. FRIEZE BD. HT. W/ G.C. / OWNER
PRE-ENG. WOOD ROOF TRUSSES @ 24" O.C.
BLOCKING AS REQ'D.
FLASHING AS REQ'D.
ASPHALT SHINGLES
BUILDING PAPER
1/2" APA RATED ROOF SHEATHING
METAL DRIP EDGE
PRE-FINISHED METAL FASCIA
2x SUB FASCIA
12
12
4 A902
R-49 BLOWN-IN INSULATION
4 MIL. VAPOR BARRIER
B.O. SOFFIT ELEV. TO MATCH TYP. FASCIA HT.
TRUSS BRNG. ELEV. 142'-6 3/4"
PRE-FINISHED METAL GUTTER & DOWNSPOUT, VERIFY/ OWNER
(1) LAYER 5/8" GYPSUM BOARD W/ 1/2" RC-CHANNEL
HAND FRAMING AS REQ'D.
2'-0"
INSULATED HEADER, SEE STRUCTURAL
PRE-FINISHED METAL VENTED SOFFIT
NOTE:
T.O. WINDOW TO ALIGN W/ T.O. DECK DOOR
VINYL WINDOW SYSTEM, VERIFY W/ MANUFACTURER FOR FLASHING/TAPING REQUIREMENTS & INSTALLATION METHODS, ETC.
4" TRIM, SEE ELEVATIONS
3/4" GYPCRETE UNDERLAYMENT
3/4" APA RATED SUBFLOOR
WOOD FLOOR TRUSSES SEE STRUCT. PLANS
15 A902
5/8" GYP. BD. W/ 4 MIL. VAPOR BARRIER
T.O. SHEATHING ELEV. 133'-5 5/8"
PRE-CUT STUDS, SEE STRUCTURAL
BLOW TRUSS SPACE COMPLETELY FULL WITH NON-COMBUSTIBLE INSUL.
R-21 BATT. INSULATION
7/16" APA RATED SHEATHING
BUILDING WRAP
TRUSS BRNG. ELEV. 131'-4 1/8"
LP WOOD TEXTURED PANEL, SEE ELEVATIONS
(1) LAYER 5/8" GYPSUM BOARD W/ 1/2" RC-CHANNEL

2 GABLE END DETAIL

SCALE: 3/8" = 1'-0"


R-49 BLOWN-IN INSULATION
4 MIL VAPOR BARRIER
4 A902
12
6
TRUSS BRNG. ELEV. 142'-6 3/4"
SUSPENDED CEILING @ 9'-0" A.F.F.
2 HOUR RATED LID:
3/4" FLOOR SHEATHING
2X10 WOOD JOISTS, SEE STRUCT.
(3) LAYERS OF 5/8" GYPSUM BOARD
HAT SHAPED RIGID FURRING CHANNELS
(1) LAYER 5/8" GYPSUM BOARD
11 A902
(1) LAYER OF 5/8" GYP. BD. & 1/2" RC CHANNEL
18 A801
2 HR. RATED FIRE BARRIER GYP. BD. TO BE CONTINUOUS TO RATED LID ABOVE
2x WD. STUDS, SEE STRUCT. W/ (2) LAYERS 5/8" GYP. BD. BOTH SIDES & SOUND INSULATION
23 A901
5'-6"
8'-3"
5'-6"
9'-9"
LANDING
(9) TREADS @ 11"
LANDING
7'-6" MIN. CLEAR
HANDRAIL BOTH SIDES OF STAIR
2"X4" WD. STUDS @ 16" O.C.
5/8" GYP. BD.
3/4" GYP-CRETE TOPPING
UNIT
3/4" FLOOR SHTG.
3/4" FLOOR SHEATHING
CORRIDOR
SEE STRUCTURAL PLAN FOR HEADER AND FASTENERS
OAK CAP
15 A902
HANGER AS REQ'D.
T.O. SHEATHING ELEV. 133'-5 5/8"
FLOOR JOIST SEE STRUCT.
PROVIDE HARDWOOD SKIRT BOARDS AT ALL STAIR WALLS (TYP.)
8" FRIEZE BOARD, VERIFY STYLE W/ G.C.
R-21 SPRAY FOAM VAPOR BARRIER AS REQ'D. IN RIM JOIST SPACE, TYP
UTILITY CHASE
FLOOR TRUSS SEE STRUCT.
FIRE BLOCKING IN WALL AS REQ'D. 10'-0" MAX. VERTICAL SPACING
TRUSS BRNG. ELEV. 131'-4 7/8"
3'-6"
SUSPENDED CEILING @ 9'-0" A.F.F.
5/8" GYP. BD.
3/4" FLOOR SHEATHING
(1) LAYER OF 5/8" GYP. BD. & 1/2" RC CHANNEL
FLOOR TRUSS SEE STRUCT.
BLOW TRUSS SPACE COMPLETELY FULL WITH NON-COMBUSTIBLE INSUL.
2 HR. RATED FIRE BARRIER GYP. BD. TO BE CONTINUOUS TO FLOOR SHEATHING ABOVE
2x WD. STUDS, SEE STRUCT. W/ (2) LAYERS 5/8" GYP. BD. BOTH SIDES & SOUND INSULATION
5'-6 15/16" (10) R @ 6 11/16"
STAIR NOTES:
STRINGERS, SEE STRUCT.
1" X 8" PINE RISERS
1 1/8" PART. BD. TREADS
3/4" HARDWD. SKIRT BOARDS
BLOW TRUSS SPACE COMPLETELY FULL WITH NON-COMBUSTIBLE INSUL. IF REQ'D. PER SPRINKLER CODE
SEE STRUCTURAL PLAN FOR HEADER AND FASTENERS
2"X4" WD. STUDS @ 16" O.C.
5/8" GYP. BD.
3/4" GYP-CRETE TOPPING
UNIT
3/4" FLOOR SHTG.
1'-0"
HANDRAIL BOTH SIDES OF STAIR
3/4" FLOOR SHEATHING
CORRIDOR
SEE STRUCTURAL PLAN FOR HEADER AND FASTENERS
HANGER AS REQ'D.
T.O. SHEATHING ELEV. 122'-3 3/4"
FLOOR JOIST SEE STRUCT.
UTILITY CHASE
PROVIDE HARDWOOD SKIRT BOARDS AT ALL STAIR WALLS (TYP.)
FIRE BLOCKING IN WALL AS REQ'D. 10'-0" MAX. VERTICAL SPACING
SEE TYPICAL WALL SECTIONS FOR TYPICAL EXTERIOR WALL CONSTRUCTION
TRUSS BRNG. ELEV. 120'-3"
34" - 38"
SUSPENDED CEILING @ 9'-0" A.F.F.
FLOOR TRUSS SEE STRUCT.
5/8" GYP. BD.
3/4" FLOOR SHEATHING
11" OR TREAD WIDTH
FLOOR TRUSS SEE STRUCT.
(1) LAYER OF 5/8" GYP. BD. & 1/2" RC CHANNEL
BLOW TRUSS SPACE COMPLETELY FULL WITH NON-COMBUSTIBLE INSUL.
2 HR. RATED FIRE BARRIER GYP. BD. TO BE CONTINUOUS TO FLOOR SHEATHING ABOVE
2x WD. STUDS, SEE STRUCT. W/ (2) LAYERS 5/8" GYP. BD. BOTH SIDES & SOUND INSULATION
5'-6 15/16" (10) R @ 6 11/16"
STAIR NOTES:
STRINGERS, SEE STRUCT.
1" X 8" PINE RISERS
1 1/8" PART. BD. TREADS
3/4" HARDWD. SKIRT BOARDS
BLOW TRUSS SPACE COMPLETELY FULL WITH NON-COMBUSTIBLE INSUL. IF REQ'D. PER SPRINKLER CODE
5/8" GYP. BD.
2"X4" WD. STUDS @ 16" O.C.
5/8" GYP. BD.
SEE STRUCTURAL PLAN FOR HEADER AND FASTENERS
FLASHING AS REQ'D.
ASPHALT SHINGLES
BUILDING PAPER
1/2" APA RATED ROOF SHEATHING
2X LOOKOUT
VENTILATE ATTIC SPACE AS REQ'D.
1'-0"
METAL DRIP EDGE
PRE-FINISHED METAL FASCIA
2x SUB FASCIA
PRE-FINISHED METAL SOFFIT
HANDRAIL BOTH SIDES OF STAIR
3/4" FLOOR SHEATHING
3/4" GYP-CRETE TOPPING
FLOOR TRUSS SEE STRUCT.
3/4" GYP-CRETE TOPPING
3/4" FLOOR SHTG.
10 A902
26 A901
FRIEZE BOARD SEE ELEVATIONS
GABLE END TRUSS
CORRIDOR
UNIT
PRE-FINISHED METAL VERTICAL BOARD AND BATTEN SIDING
HANGER AS REQ'D.
T.O. SHEATHING ELEV. 111'-1 7/8"
FLOOR JOIST SEE STRUCT.
WOOD BEAM, VERIFY SIZE W/ STRUCTURAL, MUST MAINTAIN 6'-8" CLEAR HEADROOM.
BLOCKING AS REQ'D.
FLASHING AS REQ'D.
UTILITY CHASE
2 HOUR RATED FLOOR / CEILING:
3/4" GYP. CRETE TOPPING
3/4" FLOOR SHEATHING
2X10 WOOD JOISTS, SEE STRUCT.
(3) LAYERS OF 5/8" GYPSUM BOARD
HAT SHAPED RIGID FURRING CHANNELS
(1) LAYER 5/8" GYPSUM BOARD
FRIEZE BOARD SEE ELEVATIONS
TRUSS BRNG. ELEV. 108'-1 1/8"
SEE STRUCTURAL PLANS FOR HEADER AND FASTENERS
5/8" GYP. BD.
SUSPENDED CEILING @ 9'-0" A.F.F.
12 A902
5'-6"
17'-5"
6'-1"
LANDING
(19) TREADS @ 11"
LANDING
6'-8" MIN. CLEAR
PRE-FINISHED METAL SOFFIT PANEL
7 A801
OAK CAP
26 A901
DECORATIVE COLUMN IN BACKGROUND
R-21 BATT INSULATION
(2) LAYERS 5/8" GYP. SHTG.
2X6 PRE-CUT STUDS SEE STRUCT.
PRE-ENG. WOOD ROOF TRUSSES, SEE STRUCT.
CORRIDOR
STAIR NOTES:
STRINGERS, SEE STRUCT.
1" X 8" PINE RISERS
1 1/8" PART. BD. TREADS
3/4" HARDWD. SKIRT BOARDS
11'-1 5/8" (20) R @ 6 11/16"
11" OR TREAD WIDTH
2 HR. RATED FIRE BARRIER GYP. BD. TO BE CONTINUOUS TO FLOOR SHEATHING ABOVE
2x WD. STUDS, SEE STRUCT. W/ (2) LAYERS 5/8" GYP. BD. BOTH SIDES & SOUND INSULATION
OAK CAP
HORIZONTAL LAP SIDING, VERIFY STYLE W/ G.C.
5/8 " GYPSUM BOARD
FLASHING AS REQ'D.
PROVIDE METAL RAILING GATE W/ SPRING LOADED HINGES TO PREVENT OCCUPANTS FROM CONTINUING DOWN IN THE EVENT OF AN EMERGENCY
3'-6"
1'-0"
4 MIL VAPOR BARRIER
EXTENDED STONE CAP AS REQ'D.
PROVIDE MAX. 1" BLOCKING IN LIEU OF STANDARD SILL PLATE AT EXTERIOR DOOR LOCATIONS TO MAINTAIN ADA THRESHOLD REQUIREMENTS
1" GYPCRETE, TYP.
15# ASPHALT PAPER BEHIND MASONRY AS REQ'D.
ALL WOOD IN DIRECT CONTACT W/ CONCRETE TO BE TREATED
HANDRAIL BOTH SIDES OF STAIR
CANOPY
1/2" EXPANSION JOINT
CONC. SIDEWALK, SEE CIVIL PLANS
SLOPE AS REQ'D
FIN. FLOOR ELEV. 100'-1"
FIN. FLOOR ELEV. 100'-1"
T.O. PRE-CAST ELEV. 100'-0"
T.O. WALL ELEV. 99'-0"
LEDGER - SEE STRUCT. PLANS
SEE STRUCTURAL PLAN FOR HEADER AND FASTENERS
GLUED GYP. BD -PAINT
6" VOID OR CRUSH BOX
1" GYPCRETE TOPPING
8" PRECAST CONC. PLANK SEE STRUCT.
FILL CORE WITH INSULATION 4'-0" BACK WHEN NO STRUCTURAL ANCHOR
1" AIR SPACE MIN.
STOOP CONSTRUCTION SEE STRUCT. DRAWINGS
12" PRECAST CONC. PLANK SEE STRUCT.
CORE FILL PLANK AT ANCHORS, SEE STRUCT.
FACE BRICK W/ TIES AND WEEP HOLES AS REQ'D
SEE STRUCTURAL FOR FOUNDATION AND FOOTING INFO.
34" - 38"
1'-0" OR TREAD WIDTH
ALL WOOD IN CONTACT W/ CONC. TO BE
PROVIDE RIGID INSUL. AS REQ'D.
8'-5 1/4" (15) R @ 6 3/4"
6'-8" MIN. CLEAR
GLUED GYP. BD. -PAINT
12" POURED CONC. WALL, SEE STRUCT. R-15 MIN.
8" POURED CONC. WALL, SEE STRUCT.
STAIR NOTES:
LSL STRINGERS, SEE STRUCT.
1" X 8" PINE RISERS
1 1/8" PART. BD. TREADS
W/ RUBBER NOSING AND CARPET SKIRT.
T.O. FOOTING ELEV. 93'-4" VERIFY W/ G.C.
1/2" EXPANSION JOINT
3/4" FLOOR SHEATHING
SEE STRUCTURAL PLANS FOR LANDING FRAMING
GARAGE
WATERPROOFING MEMBRANE BELOW GRADE AS REQ'D. PER MANUFACTURERS RECOMMENDATIONS
NOTE: CONTRACTOR TO VERIFY ALL RECOMMENDATIONS BY GEOTECHNICAL ENGINEER PER SOILS REPORT
2'-9 3/4" (5) R @ 6 3/4"
4" POURED CONC. SLAB VERIFY W/ STRUCT. & SOILS REPORT REINFORCED AS REQ'D. SEE STRUCT.
GLUED GYP. BD -PAINT
5/8" GYP. BD.
2x WOOD STUDS SEE STRUCT.
ALL WOOD IN DIRECT CONTACT W/ CONC. TO BE TREATED
ALL WOOD IN DIRECT CONTACT W/ CONC. TO BE TREATED
STAIR FIN. FLOOR ELEV. 88'-10" VERIFY W/ SLOPE OF GARAGE FLOOR
T.O. FOOTING ELEV. 88'-8"
10 MIL. VAPOR BARRIER
GRANULAR FILL ON COMPACTED BASE PER SOILS REPORT
T.O. FOOTING ELEV. 88'-0"
4" POURED CONCRETE SLAB ON 10 MIL. VAPOR BARRIER ON COMPACTED BASE AS REQ'D BY RADON SYSTEM, SEE DET. 20/A802. SEE STRUCTURAL PLANS FOR SIZING.
1/2" ISOLATION JOINT
DRAIN TILE AS REQ'D BY CIVIL ENGINEER
FOOTING SEE STRUCT. VERIFY TOP OF FOOTING W/ G.C.
FTG SIZE & REINF. SEE STRUCT. PLANS
3'-8"
9'-0"
8"
12'-10"
(4) TREADS @ 11"
6'-11"
(14) TREADS @ 11"
LANDING

1 STAIR "A" SECTION

SCALE: 3/8" = 1'-0"

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I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of MINNESOTA
Date 10-4-18 # 22288
Name NORMAN E. COLE Signature

DEVELOPER:
KB KELLER/BAARTMAN PROPERTIES
RED WING, MN
(651) 388-0000

PROPOSED 108 UNIT:
PARK PLACE APARTMENTS
RED WING, MN

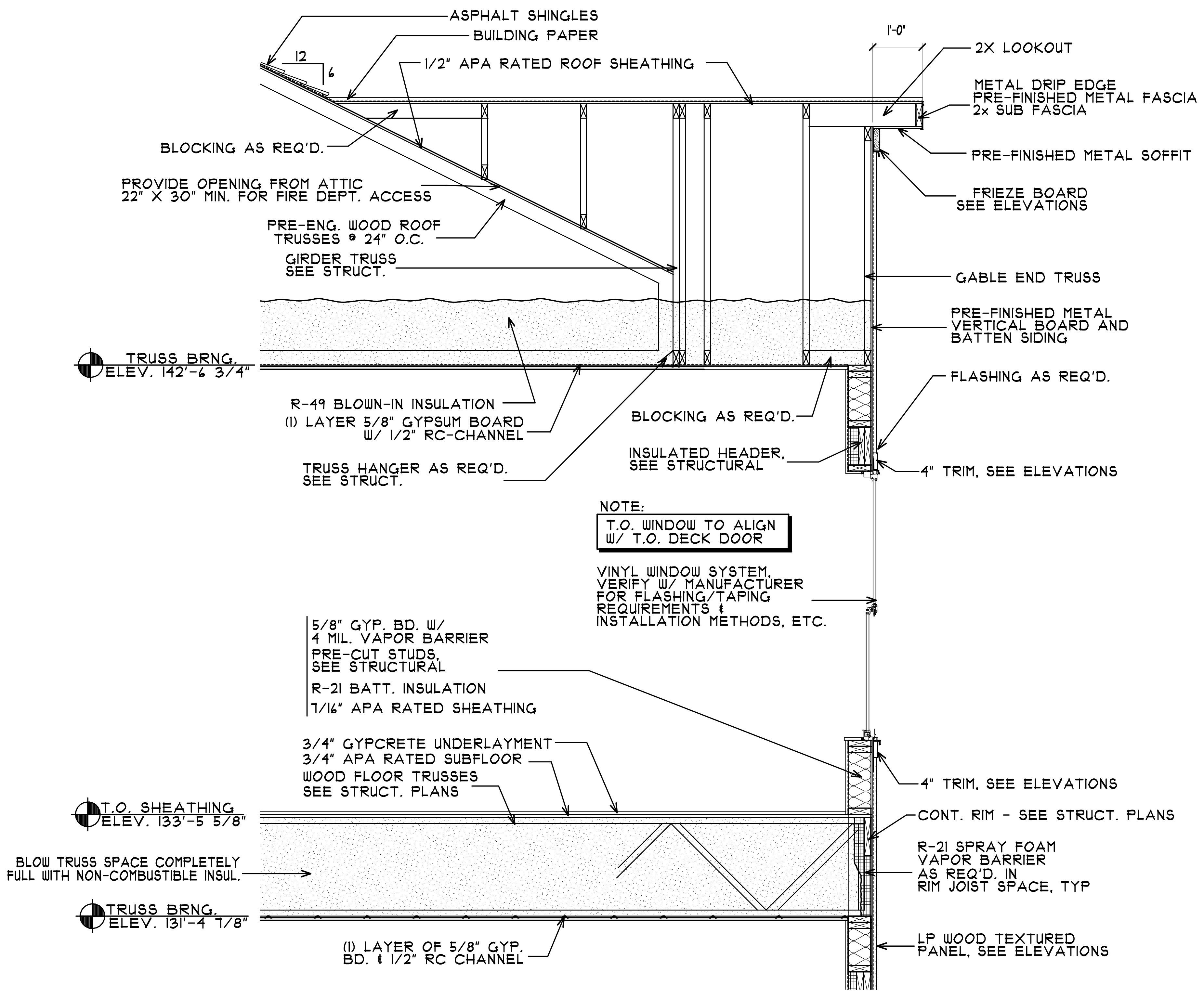
REVISIONS	COMMENTS

REVISIONS	COMMENTS

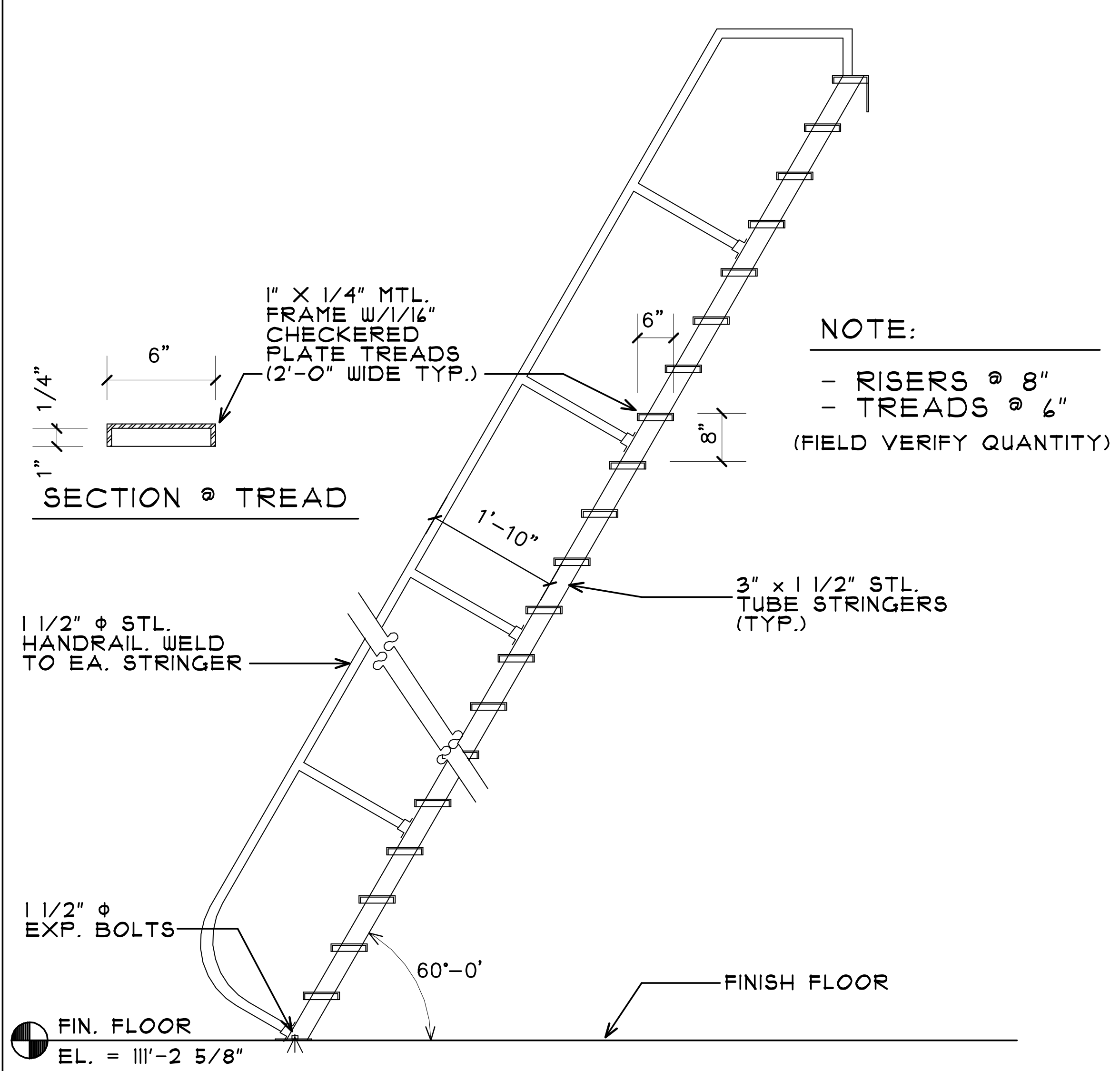
PLOTTED: 10-4-18 FILE: 18011D COM: 4

Project No.
18011
Submittal Date:
10-4-18
Document Set:
PERMIT SET

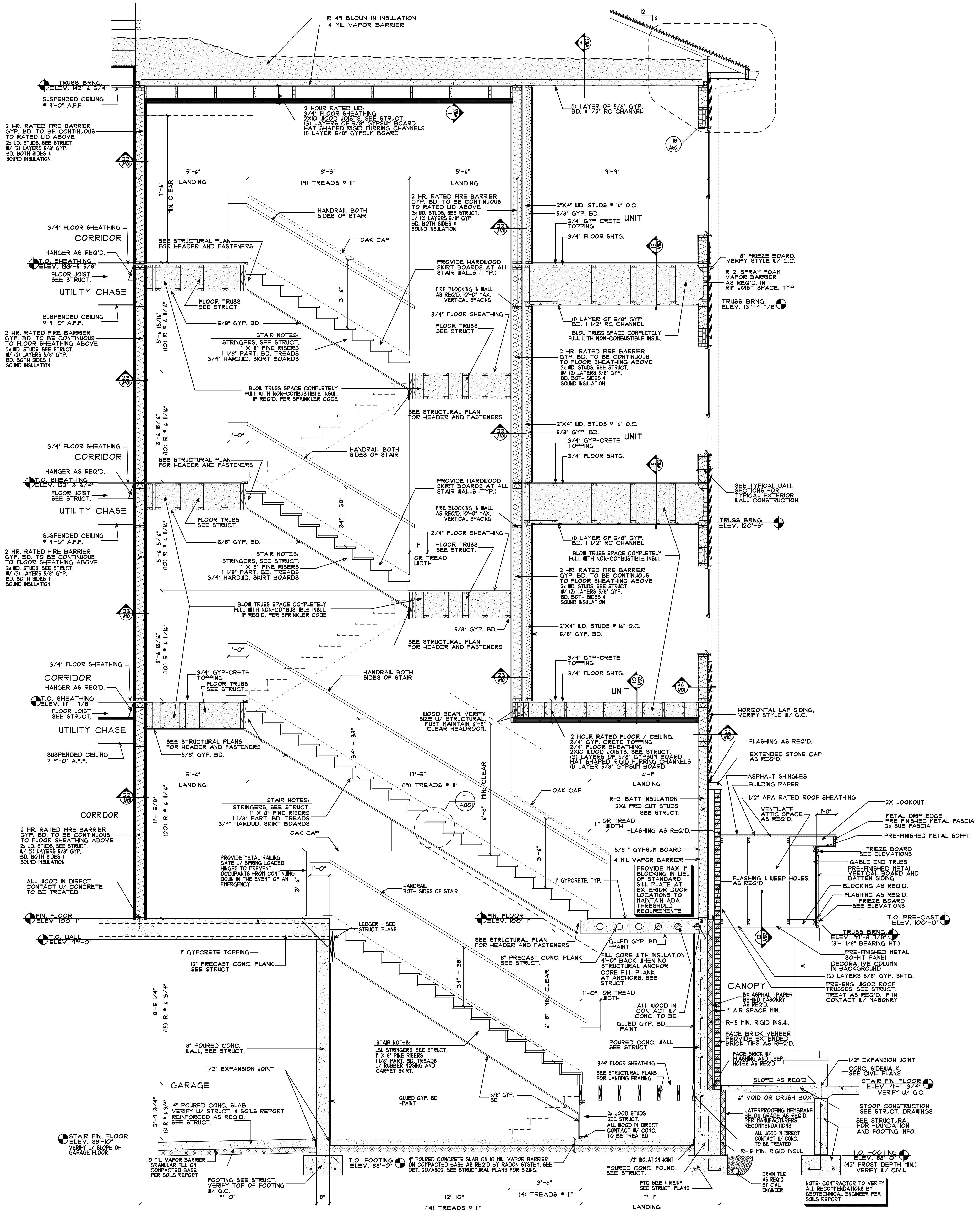
A720


ASPHALT SHINGLES
BUILDING PAPER
1/2" APA RATED ROOF SHEATHING
12
6
1'-0"
2X LOOKOUT
METAL DRIP EDGE
PRE-FINISHED METAL FASCIA
2x SUB FASCIA
BLOCKING AS REQ'D.
PRE-FINISHED METAL SOFFIT
PROVIDE OPENING FROM ATTIC 22" X 30" MIN. FOR FIRE DEPT. ACCESS
FRIEZE BOARD SEE ELEVATIONS
PRE-ENG. WOOD ROOF TRUSSES @ 24" O.C.
GIRDER TRUSS SEE STRUCT.
GABLE END TRUSS
PRE-FINISHED METAL VERTICAL BOARD AND BATTEN SIDING
TRUSS BRNG. ELEV. 142'-6 3/4"
FLASHING AS REQ'D.
R-49 BLOWN-IN INSULATION
(1) LAYER 5/8" GYPSUM BOARD W/ 1/2" RC-CHANNEL
BLOCKING AS REQ'D.
INSULATED HEADER, SEE STRUCTURAL
TRUSS HANGER AS REQ'D. SEE STRUCT.
4" TRIM, SEE ELEVATIONS
NOTE:
T.O. WINDOW TO ALIGN W/ T.O. DECK DOOR
VINYL WINDOW SYSTEM, VERIFY W/ MANUFACTURER FOR FLASHING/TAPING REQUIREMENTS & INSTALLATION METHODS, ETC.
5/8" GYP. BD. W/ 4 MIL. VAPOR BARRIER
PRE-CUT STUDS, SEE STRUCTURAL
R-21 BATT. INSULATION
7/16" APA RATED SHEATHING
3/4" GYPCRETE UNDERLAYMENT
3/4" APA RATED SUBFLOOR
WOOD FLOOR TRUSSES SEE STRUCT. PLANS
4" TRIM, SEE ELEVATIONS
T.O. SHEATHING ELEV. 133'-5 5/8"
CONT. RIM - SEE STRUCT. PLANS
BLOW TRUSS SPACE COMPLETELY FULL WITH NON-COMBUSTIBLE INSUL.
R-21 SPRAY FOAM VAPOR BARRIER AS REQ'D. IN RIM JOIST SPACE, TYP
TRUSS BRNG. ELEV. 131'-4 7/8"
(1) LAYER OF 5/8" GYP. BD. & 1/2" RC CHANNEL
LP WOOD TEXTURED PANEL, SEE ELEVATIONS

3 WALL DETAIL
SCALE: 3/8" = 1'-0"


1" X 1/4" MTL. FRAME W/1/16" CHECKERED PLATE TREADS (12'-0" WIDE TYP.)
6"
1/4"
1"
SECTION @ TREAD
6"
8"
1'-10"
NOTE:
- RISERS @ 8"
- TREADS @ 6"
(FIELD VERIFY QUANTITY)
1 1/2" Φ STL. HANDRAIL, WELD TO EA. STRINGER
3" x 1 1/2" STL. TUBE STRINGERS (TYP.)
1 1/2" Φ EXP. BOLTS
60'-0'
FINISH FLOOR
FIN. FLOOR
EL. = 111'-2 5/8"

1 SHIP'S LADDER DETAIL
N.T.S.


R-49 BLOWN-IN INSULATION
4 MIL VAPOR BARRIER
12
6
TRUSS BRNG. ELEV. 142'-6 3/4"
SUSPENDED CEILING @ 9'-0" A.F.F.
2 HOUR RATED LID: 3/4" FLOOR SHEATHING 2X10 WOOD JOISTS, SEE STRUCT. (3) LAYERS OF 5/8" GYPSUM BOARD HAT SHAPED RIGID FURRING CHANNELS (1) LAYER 5/8" GYPSUM BOARD
(1) LAYER OF 5/8" GYP. BD. & 1/2" RC CHANNEL
2 HR. RATED FIRE BARRIER GYP. BD. TO BE CONTINUOUS TO RATED LID ABOVE 2x WD. STUDS, SEE STRUCT. W/ (2) LAYERS 5/8" GYP. BD. BOTH SIDES & SOUND INSULATION
5'-4"
8'-3"
5'-4"
9'-9"
LANDING
(9) TREADS @ 11"
LANDING
7'-4" MIN. CLEAR
HANDRAIL BOTH SIDES OF STAIR
2"X4" WD. STUDS @ 16" O.C.
5/8" GYP. BD.
3/4" GYP-CRETE UNIT
3/4" FLOOR SHTG.
3/4" FLOOR SHEATHING
CORRIDOR
HANGER AS REQ'D.
SEE STRUCTURAL PLAN FOR HEADER AND FASTENERS
OAK CAP
T.O. SHEATHING ELEV. 133'-5 5/8"
FLOOR JOIST SEE STRUCT.
UTILITY CHASE
PROVIDE HARDWOOD SKIRT BOARDS AT ALL STAIR WALLS (TYP.)
8" FRIEZE BOARD, VERIFY STYLE W/ G.C.
R-21 SPRAY FOAM VAPOR BARRIER AS REQ'D. IN RIM JOIST SPACE, TYP
FIRE BLOCKING IN WALL AS REQ'D. 10'-0" MAX. VERTICAL SPACING
FLOOR TRUSS SEE STRUCT.
TRUSS BRNG. ELEV. 131'-4 7/8"
3/4" FLOOR SHEATHING
5/8" GYP. BD.
FLOOR TRUSS SEE STRUCT.
(1) LAYER OF 5/8" GYP. BD. & 1/2" RC CHANNEL
STAIR NOTES: STRINGERS, SEE STRUCT. 1" X 8" PINE RISERS 1 1/8" PART. BD. TREADS 3/4" HARDWD. SKIRT BOARDS
BLOW TRUSS SPACE COMPLETELY FULL WITH NON-COMBUSTIBLE INSUL.
2 HR. RATED FIRE BARRIER GYP. BD. TO BE CONTINUOUS TO FLOOR SHEATHING ABOVE 2x WD. STUDS, SEE STRUCT. W/ (2) LAYERS 5/8" GYP. BD. BOTH SIDES & SOUND INSULATION
(10) R @ 6 11/16"
5'-6 15/16"
BLOW TRUSS SPACE COMPLETELY FULL WITH NON-COMBUSTIBLE INSUL. IF REQ'D. PER SPRINKLER CODE
SEE STRUCTURAL PLAN FOR HEADER AND FASTENERS
1'-0"
2"X4" WD. STUDS @ 16" O.C.
5/8" GYP. BD.
3/4" GYP-CRETE TOPPING
UNIT
3/4" FLOOR SHTG.
3'-4"
34" - 38"
T.O. SHEATHING ELEV. 122'-3 3/4"
SEE TYPICAL WALL SECTIONS FOR TYPICAL EXTERIOR WALL CONSTRUCTION
TRUSS BRNG. ELEV. 120'-3"
11" OR TREAD WIDTH
T.O. SHEATHING ELEV. 111'-1 7/8"
WOOD BEAM, VERIFY SIZE W/ STRUCTURAL MUST MAINTAIN 6'-8" CLEAR HEADROOM.
HORIZONTAL LAP SIDING, VERIFY STYLE W/ G.C.
2 HOUR RATED FLOOR / CEILING: 3/4" GYP. CRETE TOPPING 3/4" FLOOR SHEATHING 2X10 WOOD JOISTS, SEE STRUCT. (3) LAYERS OF 5/8" GYPSUM BOARD HAT SHAPED RIGID FURRING CHANNELS (1) LAYER 5/8" GYPSUM BOARD
FLASHING AS REQ'D.
EXTENDED STONE CAP AS REQ'D.
5'-4"
17'-5"
6'-1"
LANDING
(19) TREADS @ 11"
LANDING
6'-8" MIN. CLEAR
OAK CAP
ASPHALT SHINGLES
BUILDING PAPER
1/2" APA RATED ROOF SHEATHING
2X LOOKOUT
R-21 BATT INSULATION
2X4 PRE-CUT STUDS SEE STRUCT.
VENTILATE ATTIC SPACE AS REQ'D.
METAL DRIP EDGE
PRE-FINISHED METAL FASCIA
2x SUB FASCIA
PRE-FINISHED METAL SOFFIT
(20) R @ 6 3/4"
11'-1 5/8"
FLASHING AS REQ'D.
5/8" GYPSUM BOARD
4 MIL VAPOR BARRIER
PROVIDE MAX. 1" BLOCKING IN LIEU OF STANDARD SILL PLATE AT EXTERIOR DOOR LOCATIONS TO MAINTAIN ADA THRESHOLD REQUIREMENTS
PROVIDE METAL RAILING GATE W/ SPRING LOADED HINGES TO PREVENT OCCUPANTS FROM CONTINUING DOWN IN THE EVENT OF AN EMERGENCY
HANDRAIL BOTH SIDES OF STAIR
1" GYPCRETE, TYP.
FLASHING & WEEP HOLES AS REQ'D.
FRIEZE BOARD SEE ELEVATIONS
GABLE END TRUSS
PRE-FINISHED METAL VERTICAL BOARD AND BATTEN SIDING
BLOCKING AS REQ'D.
FLASHING AS REQ'D.
FRIEZE BOARD SEE ELEVATIONS
ALL WOOD IN DIRECT CONTACT W/ CONCRETE TO BE TREATED
FIN. FLOOR ELEV. 100'-1"
T.O. WALL ELEV. 99'-0"
LEDGER - SEE STRUCT. PLANS
SEE STRUCTURAL PLAN FOR HEADER AND FASTENERS
GLUED GYP. BD -PAINT
T.O. PRE-CAST ELEV. 100'-0"
TRUSS BRNG. ELEV. 99'-8 7/8" (8'-1 1/8" BEARING HT.)
PRE-FINISHED METAL SOFFIT PANEL
DECORATIVE COLUMN IN BACKGROUND
(2) LAYERS 5/8" GYP. SHTG.
1" GYPCRETE TOPPING
12" PRECAST CONC. PLANK SEE STRUCT.
8" PRECAST CONC. PLANK SEE STRUCT.
FILL CORE WITH INSULATION 4'-0" BACK WHEN NO STRUCTURAL ANCHOR CORE FILL PLANK AT ANCHORS, SEE STRUCT.
CANOPY
PRE-ENG. WOOD ROOF TRUSSES, SEE STRUCT.
TREAT AS REQ'D. IF IN CONTACT W/ MASONRY
15# ASPHALT PAPER BEHIND MASONRY AS REQ'D.
1" AIR SPACE MIN.
R-15 MIN. RIGID INSUL.
FACE BRICK VENEER PROVIDE EXTENDED BRICK TIES AS REQ'D.
FACE BRICK W/ FLASHING AND WEEP HOLES AS REQ'D
1'-0" OR TREAD WIDTH
ALL WOOD IN CONTACT W/ CONC. TO BE TREATED
GLUED GYP. BD -PAINT
(15) R @ 6 3/4"
8'-5 1/4"
8" POURED CONC. WALL, SEE STRUCT.
POURED CONC. WALL SEE STRUCT.
3/4" FLOOR SHEATHING
SEE STRUCTURAL PLANS FOR LANDING FRAMING
STAIR NOTES: LSL STRINGERS, SEE STRUCT. 1" X 8" PINE RISERS 1 1/8" PART. BD. TREADS W/ RUBBER NOSING AND CARPET SKIRT.
1/2" EXPANSION JOINT
GARAGE
1/2" EXPANSION JOINT
CONC. SIDEWALK, SEE CIVIL PLANS
SLOPE AS REQ'D.
STAIR FIN. FLOOR ELEV. 99'-1 3/4" VERIFY W/ G.C.
6" VOID OR CRUSH BOX
WATERPROOFING MEMBRANE BELOW GRADE AS REQ'D. PER MANUFACTURERS RECOMMENDATIONS
STOOP CONSTRUCTION SEE STRUCT. DRAWINGS
SEE STRUCTURAL FOR FOUNDATION AND FOOTING INFO.
(5) R @ 6 3/4"
2'-9 3/4"
4" POURED CONC. SLAB VERIFY W/ STRUCT. & SOILS REPORT REINFORCED AS REQ'D. SEE STRUCT.
GLUED GYP. BD -PAINT
5/8" GYP. BD.
2x WOOD STUDS SEE STRUCT. ALL WOOD IN DIRECT CONTACT W/ CONC. TO BE TREATED
ALL WOOD IN DIRECT CONTACT W/ CONC. TO BE TREATED
R-15 MIN. RIGID INSUL.
STAIR FIN. FLOOR ELEV. 88'-10" VERIFY W/ SLOPE OF GARAGE FLOOR
10 MIL VAPOR BARRIER GRANULAR FILL ON COMPACTED BASE PER SOILS REPORT
T.O. FOOTING ELEV. 88'-0"
4" POURED CONCRETE SLAB ON 10 MIL VAPOR BARRIER ON COMPACTED BASE AS REQ'D BY RADON SYSTEM, SEE DET. 20/A802. SEE STRUCTURAL PLANS FOR SIZING.
1/2" ISOLATION JOINT
POURED CONC. FOUND. SEE STRUCT.
DRAIN TILE AS REQ'D BY CIVIL ENGINEER
T.O. FOOTING ELEV. 88'-0" (42" FROST DEPTH MIN.) VERIFY W/ CIVIL
NOTE: CONTRACTOR TO VERIFY ALL RECOMMENDATIONS BY GEOTECHNICAL ENGINEER PER SOILS REPORT
FOOTING SEE STRUCT. VERIFY TOP OF FOOTING W/ G.C.
FTG SIZE & REINF. SEE STRUCT. PLANS
9'-0"
8"
12'-10"
3'-8"
(4) TREADS @ 11"
7'-1"
LANDING
(14) TREADS @ 11"
1 A801
18 A801

2 STAIR "B" SECTION
SCALE: 3/8" = 1'-0"

PROPOSED 108 UNIT:
PARK PLACE
APARTMENTS
RED WING, MN

DEVELOPER:
KB KELLER/BAARTMAN
PROPERTIES
RED WING, MN
(651) 388-0000

These documents are not valid for building permit unless signed in ink and over sealed. Copies are not valid.

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of MINNESOTA
Date 10-4-18 # 22288
Name NORMAN E. COLE Signature

COLE GROUP
ARCHITECTS LLC.
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Suite 102
Saint Cloud, MN 56301
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www.colegrouparchitects.com

REVISIONS/COMMENTS	REVISIONS/COMMENTS

Project No.
18011
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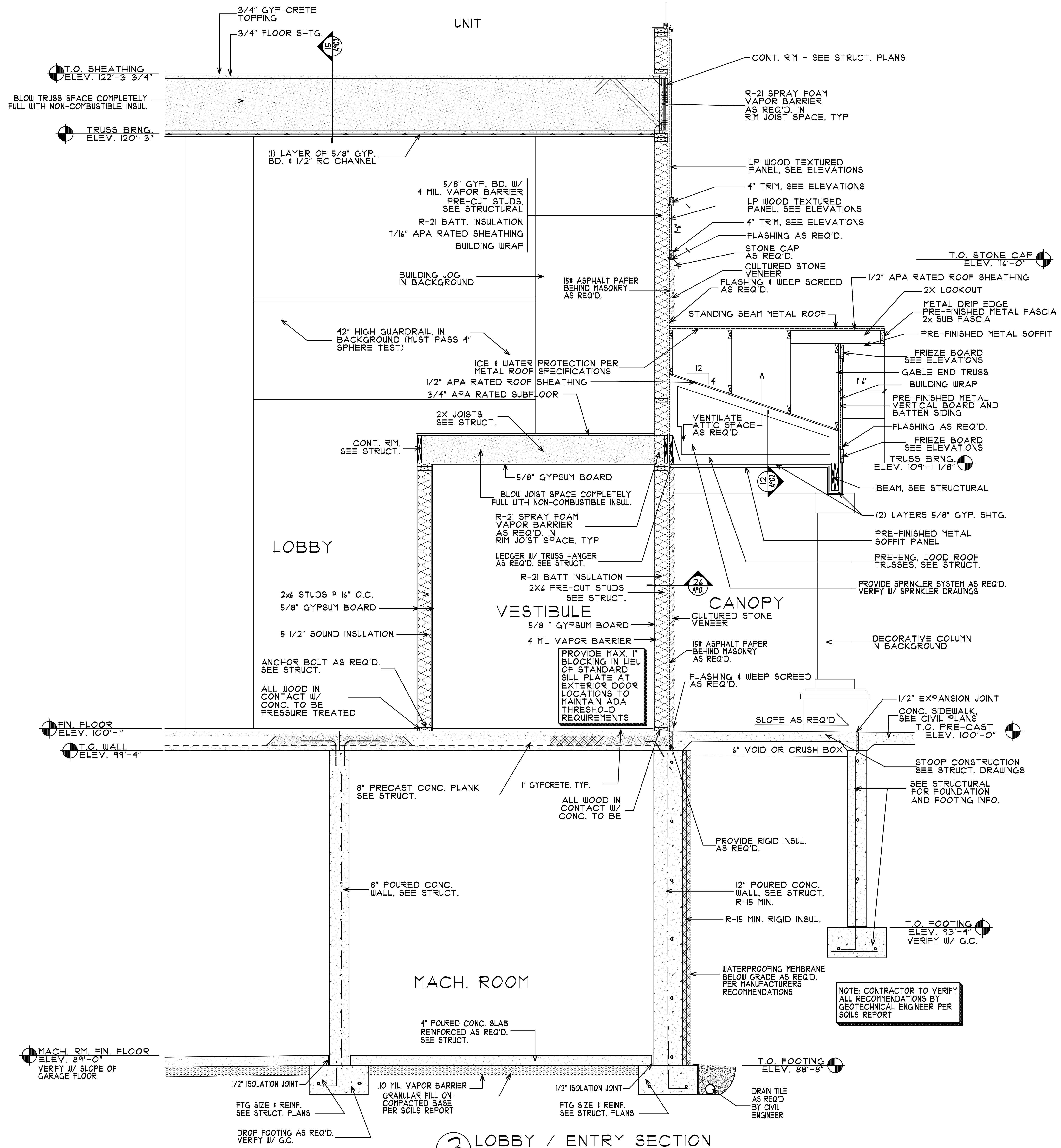
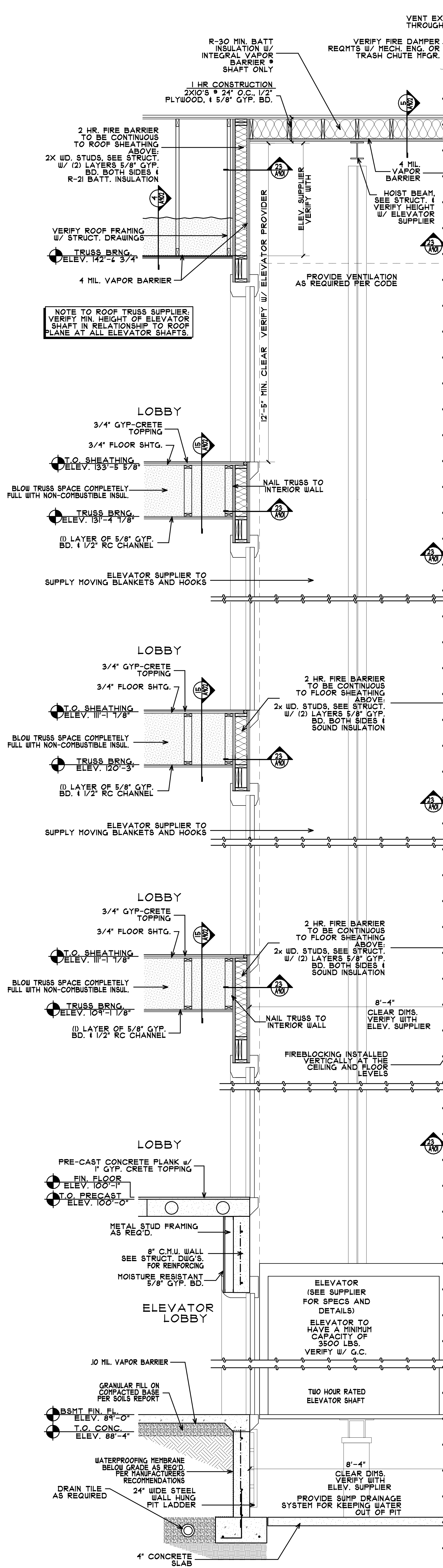


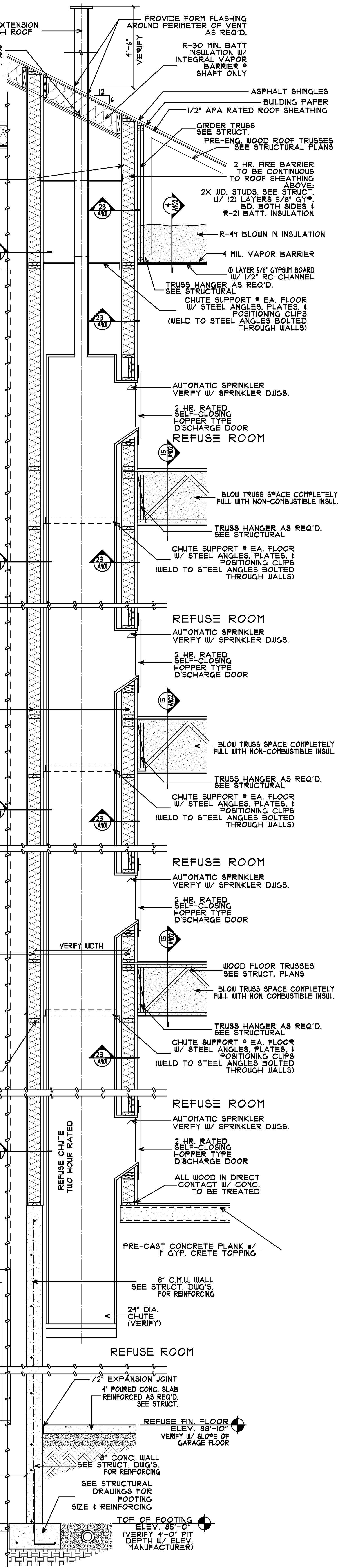
UNIT
3/4" GYP-CRETE TOPPING
3/4" FLOOR SHTG.
15 A902
T.O. SHEATHING ELEV. 122'-3 3/4"
BLOW TRUSS SPACE COMPLETELY FULL WITH NON-COMBUSTIBLE INSUL.
TRUSS BRNG. ELEV. 120'-3"
(1) LAYER OF 5/8" GYP. BD. & 1/2" RC CHANNEL
CONT. RIM - SEE STRUCT. PLANS
R-21 SPRAY FOAM VAPOR BARRIER AS REQ'D. IN RIM JOIST SPACE, TYP
5/8" GYP. BD. W/ 4 MIL. VAPOR BARRIER
PRE-CUT STUDS, SEE STRUCTURAL
R-21 BATT. INSULATION
7/16" APA RATED SHEATHING
BUILDING WRAP
LP WOOD TEXTURED PANEL, SEE ELEVATIONS
4" TRIM, SEE ELEVATIONS
LP WOOD TEXTURED PANEL, SEE ELEVATIONS
4" TRIM, SEE ELEVATIONS
1'-6"
FLASHING AS REQ'D.
STONE CAP AS REQ'D.
CULTURED STONE VENEER
FLASHING & WEEP SCREED AS REQ'D.
BUILDING JOG IN BACKGROUND
15# ASPHALT PAPER BEHIND MASONRY AS REQ'D.
T.O. STONE CAP ELEV. 116'-0"
1/2" APA RATED ROOF SHEATHING
2X LOOKOUT
STANDING SEAM METAL ROOF
METAL DRIP EDGE PRE-FINISHED METAL FASCIA 2x SUB FASCIA
PRE-FINISHED METAL SOFFIT
42" HIGH GUARDRAIL, IN BACKGROUND (MUST PASS 4" SPHERE TEST)
ICE & WATER PROTECTION PER METAL ROOF SPECIFICATIONS
1/2" APA RATED ROOF SHEATHING
3/4" APA RATED SUBFLOOR
12
4
FRIEZE BOARD SEE ELEVATIONS
GABLE END TRUSS
1'-6"
BUILDING WRAP
PRE-FINISHED METAL VERTICAL BOARD AND BATTEN SIDING
2X JOISTS SEE STRUCT.
VENTILATE ATTIC SPACE AS REQ'D.
FLASHING AS REQ'D.
CONT. RIM, SEE STRUCT.
FRIEZE BOARD SEE ELEVATIONS
TRUSS BRNG. ELEV. 109'-1 1/8"
5/8" GYPSUM BOARD
12 A902
BEAM, SEE STRUCTURAL
BLOW JOIST SPACE COMPLETELY FULL WITH NON-COMBUSTIBLE INSUL.
(2) LAYERS 5/8" GYP. SHTG.
R-21 SPRAY FOAM VAPOR BARRIER AS REQ'D. IN RIM JOIST SPACE, TYP
PRE-FINISHED METAL SOFFIT PANEL
LOBBY
LEDGER W/ TRUSS HANGER AS REQ'D. SEE STRUCT.
PRE-ENG. WOOD ROOF TRUSSES, SEE STRUCT.
R-21 BATT INSULATION
26 A901
PROVIDE SPRINKLER SYSTEM AS REQ'D. VERIFY W/ SPRINKLER DRAWINGS
2X6 PRE-CUT STUDS SEE STRUCT.
2x6 STUDS @ 16" O.C.
CANOPY
VESTIBULE
5/8" GYPSUM BOARD
CULTURED STONE VENEER
5/8 " GYPSUM BOARD
5 1/2" SOUND INSULATION
4 MIL VAPOR BARRIER
15# ASPHALT PAPER BEHIND MASONRY AS REQ'D.
DECORATIVE COLUMN IN BACKGROUND
PROVIDE MAX. 1" BLOCKING IN LIEU OF STANDARD SILL PLATE AT EXTERIOR DOOR LOCATIONS TO MAINTAIN ADA THRESHOLD REQUIREMENTS
ANCHOR BOLT AS REQ'D. SEE STRUCT.
FLASHING & WEEP SCREED AS REQ'D.
ALL WOOD IN CONTACT W/ CONC. TO BE PRESSURE TREATED
1/2" EXPANSION JOINT
CONC. SIDEWALK, SEE CIVIL PLANS
SLOPE AS REQ'D
FIN. FLOOR ELEV. 100'-1"
T.O. PRE-CAST ELEV. 100'-0"
T.O. WALL ELEV. 99'-4"
6" VOID OR CRUSH BOX
STOOP CONSTRUCTION SEE STRUCT. DRAWINGS
8" PRECAST CONC. PLANK SEE STRUCT.
1" GYPCRETE, TYP.
SEE STRUCTURAL FOR FOUNDATION AND FOOTING INFO.
ALL WOOD IN CONTACT W/ CONC. TO BE
PROVIDE RIGID INSUL. AS REQ'D.
8" POURED CONC. WALL, SEE STRUCT.
12" POURED CONC. WALL, SEE STRUCT. R-15 MIN.
R-15 MIN. RIGID INSUL.
T.O. FOOTING ELEV. 93'-4" VERIFY W/ G.C.
WATERPROOFING MEMBRANE BELOW GRADE AS REQ'D. PER MANUFACTURERS RECOMMENDATIONS
MACH. ROOM
NOTE: CONTRACTOR TO VERIFY ALL RECOMMENDATIONS BY GEOTECHNICAL ENGINEER PER SOILS REPORT
4" POURED CONC. SLAB REINFORCED AS REQ'D. SEE STRUCT.
MACH. RM. FIN. FLOOR ELEV. 89'-0" VERIFY W/ SLOPE OF GARAGE FLOOR
T.O. FOOTING ELEV. 88'-8"
1/2" ISOLATION JOINT
.10 MIL. VAPOR BARRIER
GRANULAR FILL ON COMPACTED BASE PER SOILS REPORT
1/2" ISOLATION JOINT
DRAIN TILE AS REQ'D BY CIVIL ENGINEER
FTG SIZE & REINF. SEE STRUCT. PLANS
FTG SIZE & REINF. SEE STRUCT. PLANS
DROP FOOTING AS REQ'D. VERIFY W/ G.C.

3 LOBBY / ENTRY SECTION
SCALE: 3/8" = 1'-0"



R-30 MIN. BATT INSULATION W/ INTEGRAL VAPOR BARRIER @ SHAFT ONLY
1 HR CONSTRUCTION 2X10'S @ 24" O.C., 1/2" PLYWOOD, & 5/8" GYP. BD.
5 A902
2 HR. FIRE BARRIER TO BE CONTINUOUS TO ROOF SHEATHING ABOVE: 2X WD. STUDS, SEE STRUCT. W/ (2) LAYERS 5/8" GYP. BD. BOTH SIDES & R-21 BATT. INSULATION
23 A901
4 A902
ELEV. SUPPLIER VERIFY WITH
4 MIL. VAPOR BARRIER
HOIST BEAM, SEE STRUCT. & VERIFY HEIGHT W/ ELEVATOR SUPPLIER
VERIFY ROOF FRAMING W/ STRUCT. DRAWINGS
TRUSS BRNG. ELEV. 142'-6 3/4"
4 MIL. VAPOR BARRIER
PROVIDE VENTILATION AS REQUIRED PER CODE
NOTE TO ROOF TRUSS SUPPLIER: VERIFY MIN. HEIGHT OF ELEVATOR SHAFT IN RELATIONSHIP TO ROOF PLANE AT ALL ELEVATOR SHAFTS.
12'-5" MIN. CLEAR VERIFY W/ ELEVATOR PROVIDER
LOBBY
3/4" GYP-CRETE TOPPING
3/4" FLOOR SHTG.
15 A902
T.O. SHEATHING ELEV. 133'-5 5/8"
BLOW TRUSS SPACE COMPLETELY FULL WITH NON-COMBUSTIBLE INSUL.
NAIL TRUSS TO INTERIOR WALL
TRUSS BRNG. ELEV. 131'-4 7/8"
(1) LAYER OF 5/8" GYP. BD. & 1/2" RC CHANNEL
ELEVATOR SUPPLIER TO SUPPLY MOVING BLANKETS AND HOOKS
LOBBY
3/4" GYP-CRETE TOPPING
3/4" FLOOR SHTG.
2 HR. FIRE BARRIER TO BE CONTINUOUS TO FLOOR SHEATHING ABOVE: 2x WD. STUDS, SEE STRUCT. W/ (2) LAYERS 5/8" GYP. BD. BOTH SIDES & SOUND INSULATION
T.O. SHEATHING ELEV. 111'-1 7/8"
BLOW TRUSS SPACE COMPLETELY FULL WITH NON-COMBUSTIBLE INSUL.
TRUSS BRNG. ELEV. 120'-3"
(1) LAYER OF 5/8" GYP. BD. & 1/2" RC CHANNEL
ELEVATOR SUPPLIER TO SUPPLY MOVING BLANKETS AND HOOKS
LOBBY
3/4" GYP-CRETE TOPPING
3/4" FLOOR SHTG.
2 HR. FIRE BARRIER TO BE CONTINUOUS TO FLOOR SHEATHING ABOVE: 2x WD. STUDS, SEE STRUCT. W/ (2) LAYERS 5/8" GYP. BD. BOTH SIDES & SOUND INSULATION
T.O. SHEATHING ELEV. 111'-1 7/8"
BLOW TRUSS SPACE COMPLETELY FULL WITH NON-COMBUSTIBLE INSUL.
TRUSS BRNG. ELEV. 109'-1 1/8"
(1) LAYER OF 5/8" GYP. BD. & 1/2" RC CHANNEL
NAIL TRUSS TO INTERIOR WALL
8'-4" CLEAR DIMS. VERIFY WITH ELEV. SUPPLIER
FIREBLOCKING INSTALLED VERTICALLY AT THE CEILING AND FLOOR LEVELS
LOBBY
PRE-CAST CONCRETE PLANK w/ 1" GYP. CRETE TOPPING
FIN. FLOOR ELEV. 100'-1"
T.O. PRECAST ELEV. 100'-0"
METAL STUD FRAMING AS REQ'D.
8" C.M.U. WALL SEE STRUCT. DWG'S. FOR REINFORCING
MOISTURE RESISTANT 5/8" GYP. BD.
ELEVATOR (SEE SUPPLIER FOR SPECS AND DETAILS)
ELEVATOR TO HAVE A MINIMUM CAPACITY OF 3500 LBS. VERIFY W/ G.C.
ELEVATOR LOBBY
.10 MIL. VAPOR BARRIER
GRANULAR FILL ON COMPACTED BASE PER SOILS REPORT
TWO HOUR RATED ELEVATOR SHAFT
BSMT FIN. FL. ELEV. 89'-0"
T.O. CONC. ELEV. 88'-4"
WATERPROOFING MEMBRANE BELOW GRADE AS REQ'D. PER MANUFACTURERS RECOMMENDATIONS
8'-4" CLEAR DIMS. VERIFY WITH ELEV. SUPPLIER
DRAIN TILE AS REQUIRED
24" WIDE STEEL WALL HUNG PIT LADDER
PROVIDE SUMP DRAINAGE SYSTEM FOR KEEPING WATER OUT OF PIT
4" CONCRETE SLAB

1A ELEVATOR SHAFT SECTION
SCALE: 3/8" = 1'-0"



VENT EXTENSION THROUGH ROOF
VERIFY FIRE DAMPER REQMTS W/ MECH. ENG. OR TRASH CHUTE MFGR.
PROVIDE FORM FLASHING AROUND PERIMETER OF VENT AS REQ'D.
4'-6" VERIFY
R-30 MIN. BATT INSULATION W/ INTEGRAL VAPOR BARRIER @ SHAFT ONLY
12
6
ASPHALT SHINGLES
BUILDING PAPER
1/2" APA RATED ROOF SHEATHING
GIRDER TRUSS SEE STRUCT.
PRE-ENG. WOOD ROOF TRUSSES SEE STRUCTURAL PLANS
2 HR. FIRE BARRIER TO BE CONTINUOUS TO ROOF SHEATHING ABOVE: 2X WD. STUDS, SEE STRUCT. W/ (2) LAYERS 5/8" GYP. BD. BOTH SIDES & R-21 BATT. INSULATION
23 A901
4 A902
R-49 BLOWN IN INSULATION
4 MIL. VAPOR BARRIER
(1) LAYER 5/8" GYPSUM BOARD W/ 1/2" RC-CHANNEL
TRUSS HANGER AS REQ'D. SEE STRUCTURAL
CHUTE SUPPORT @ EA. FLOOR W/ STEEL ANGLES, PLATES, & POSITIONING CLIPS (WELD TO STEEL ANGLES BOLTED THROUGH WALLS)
AUTOMATIC SPRINKLER VERIFY W/ SPRINKLER DWGS.
2 HR. RATED SELF-CLOSING HOPPER TYPE DISCHARGE DOOR
REFUSE ROOM
15 A902
BLOW TRUSS SPACE COMPLETELY FULL WITH NON-COMBUSTIBLE INSUL.
TRUSS HANGER AS REQ'D. SEE STRUCTURAL
CHUTE SUPPORT @ EA. FLOOR W/ STEEL ANGLES, PLATES, & POSITIONING CLIPS (WELD TO STEEL ANGLES BOLTED THROUGH WALLS)
REFUSE ROOM
AUTOMATIC SPRINKLER VERIFY W/ SPRINKLER DWGS.
2 HR. RATED SELF-CLOSING HOPPER TYPE DISCHARGE DOOR
BLOW TRUSS SPACE COMPLETELY FULL WITH NON-COMBUSTIBLE INSUL.
TRUSS HANGER AS REQ'D. SEE STRUCTURAL
CHUTE SUPPORT @ EA. FLOOR W/ STEEL ANGLES, PLATES, & POSITIONING CLIPS (WELD TO STEEL ANGLES BOLTED THROUGH WALLS)
REFUSE ROOM
AUTOMATIC SPRINKLER VERIFY W/ SPRINKLER DWGS.
2 HR. RATED SELF-CLOSING HOPPER TYPE DISCHARGE DOOR
VERIFY WIDTH
WOOD FLOOR TRUSSES SEE STRUCT. PLANS
BLOW TRUSS SPACE COMPLETELY FULL WITH NON-COMBUSTIBLE INSUL.
TRUSS HANGER AS REQ'D. SEE STRUCTURAL
CHUTE SUPPORT @ EA. FLOOR W/ STEEL ANGLES, PLATES, & POSITIONING CLIPS (WELD TO STEEL ANGLES BOLTED THROUGH WALLS)
REFUSE ROOM
AUTOMATIC SPRINKLER VERIFY W/ SPRINKLER DWGS.
2 HR. RATED SELF-CLOSING HOPPER TYPE DISCHARGE DOOR
REFUSE CHUTE TWO HOUR RATED
ALL WOOD IN DIRECT CONTACT W/ CONC. TO BE TREATED
PRE-CAST CONCRETE PLANK w/ 1" GYP. CRETE TOPPING
8" C.M.U. WALL SEE STRUCT. DWG'S. FOR REINFORCING
24" DIA. CHUTE (VERIFY)
REFUSE ROOM
1/2" EXPANSION JOINT
4" POURED CONC. SLAB REINFORCED AS REQ'D. SEE STRUCT.
REFUSE FIN. FLOOR ELEV. 88'-10" VERIFY W/ SLOPE OF GARAGE FLOOR
8" CONC. WALL SEE STRUCT. DWG'S. FOR REINFORCING
SEE STRUCTURAL DRAWINGS FOR FOOTING SIZE & REINFORCING
TOP OF FOOTING ELEV. 85'-0" (VERIFY 4'-0" PIT DEPTH W/ ELEV. MANUFACTURER)

1B REFUSE SHAFT SECTION
SCALE: 3/8" = 1'-0"

COLE GROUP
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I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of MINNESOTA
Date 10-4-18 # 22288
Name NORMAN E. COLE Signature

DEVELOPER:
KB KELLER/BAARTMAN PROPERTIES
RED WING, MN
(651) 388-0000

PROPOSED 108 UNIT:
PARK PLACE APARTMENTS
RED WING, MN

REVISIONS	COMMENTS

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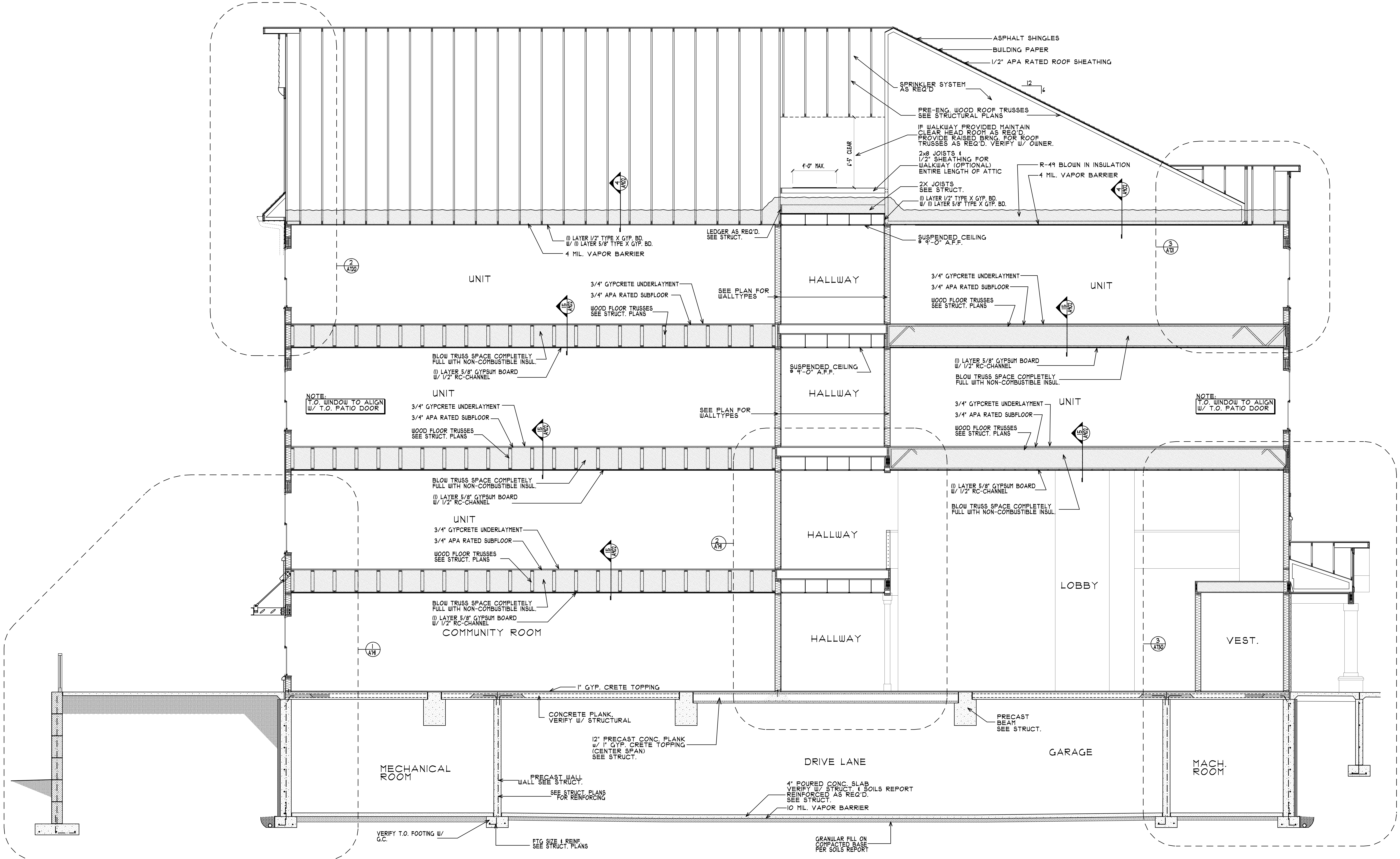
ASPHALT SHINGLES
BUILDING PAPER
1/2" APA RATED ROOF SHEATHING
SPRINKLER SYSTEM AS REQ'D
12
6
PRE-ENG. WOOD ROOF TRUSSES SEE STRUCTURAL PLANS
IF WALKWAY PROVIDED MAINTAIN CLEAR HEAD ROOM AS REQ'D. PROVIDE RAISED BRNG. FOR ROOF TRUSSES AS REQ'D. VERIFY W/ OWNER.
6'-5" CLEAR
4'-0" MAX.
2x8 JOISTS & 1/2" SHEATHING FOR WALKWAY (OPTIONAL) ENTIRE LENGTH OF ATTIC
R-49 BLOWN IN INSULATION
4 MIL. VAPOR BARRIER
2X JOISTS SEE STRUCT.
(1) LAYER 1/2" TYPE X GYP. BD. W/ (1) LAYER 5/8" TYPE X GYP. BD.
4 A902
(1) LAYER 1/2" TYPE X GYP. BD. W/ (1) LAYER 5/8" TYPE X GYP. BD.
4 MIL. VAPOR BARRIER
LEDGER AS REQ'D. SEE STRUCT.
SUSPENDED CEILING @ 9'-0" A.F.F.
3 A721
2 A720
UNIT
HALLWAY
UNIT
3/4" GYPCRETE UNDERLAYMENT
3/4" APA RATED SUBFLOOR
WOOD FLOOR TRUSSES SEE STRUCT. PLANS
SEE PLAN FOR WALLTYPES
15 A902
BLOW TRUSS SPACE COMPLETELY FULL WITH NON-COMBUSTIBLE INSUL.
(1) LAYER 5/8" GYPSUM BOARD W/ 1/2" RC-CHANNEL
SUSPENDED CEILING @ 9'-0" A.F.F.
UNIT
HALLWAY
UNIT
NOTE: T.O. WINDOW TO ALIGN W/ T.O. PATIO DOOR
NOTE: T.O. WINDOW TO ALIGN W/ T.O. PATIO DOOR
3/4" GYPCRETE UNDERLAYMENT
3/4" APA RATED SUBFLOOR
WOOD FLOOR TRUSSES SEE STRUCT. PLANS
SEE PLAN FOR WALLTYPES
15 A902
BLOW TRUSS SPACE COMPLETELY FULL WITH NON-COMBUSTIBLE INSUL.
(1) LAYER 5/8" GYPSUM BOARD W/ 1/2" RC-CHANNEL
UNIT
HALLWAY
LOBBY
2 A741
3/4" GYPCRETE UNDERLAYMENT
3/4" APA RATED SUBFLOOR
WOOD FLOOR TRUSSES SEE STRUCT. PLANS
BLOW TRUSS SPACE COMPLETELY FULL WITH NON-COMBUSTIBLE INSUL.
(1) LAYER 5/8" GYPSUM BOARD W/ 1/2" RC-CHANNEL
COMMUNITY ROOM
HALLWAY
VEST.
1 A741
3 A750
1" GYP. CRETE TOPPING
CONCRETE PLANK, VERIFY W/ STRUCTURAL
PRECAST BEAM SEE STRUCT.
12" PRECAST CONC. PLANK W/ 1" GYP. CRETE TOPPING (CENTER SPAN) SEE STRUCT.
MECHANICAL ROOM
DRIVE LANE
GARAGE
MACH. ROOM
PRECAST WALL WALL SEE STRUCT.
SEE STRUCT. PLANS FOR REINFORCING
4" POURED CONC. SLAB VERIFY W/ STRUCT. & SOILS REPORT REINFORCED AS REQ'D. SEE STRUCT.
10 MIL. VAPOR BARRIER
VERIFY T.O. FOOTING W/ G.C.
FTG SIZE & REINF. SEE STRUCT. PLANS
GRANULAR FILL ON COMPACTED BASE PER SOILS REPORT

① LOBBY CROSS SECTION

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

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Date 10-4-18 # 22288

Name NORMAN E. COLE Signature

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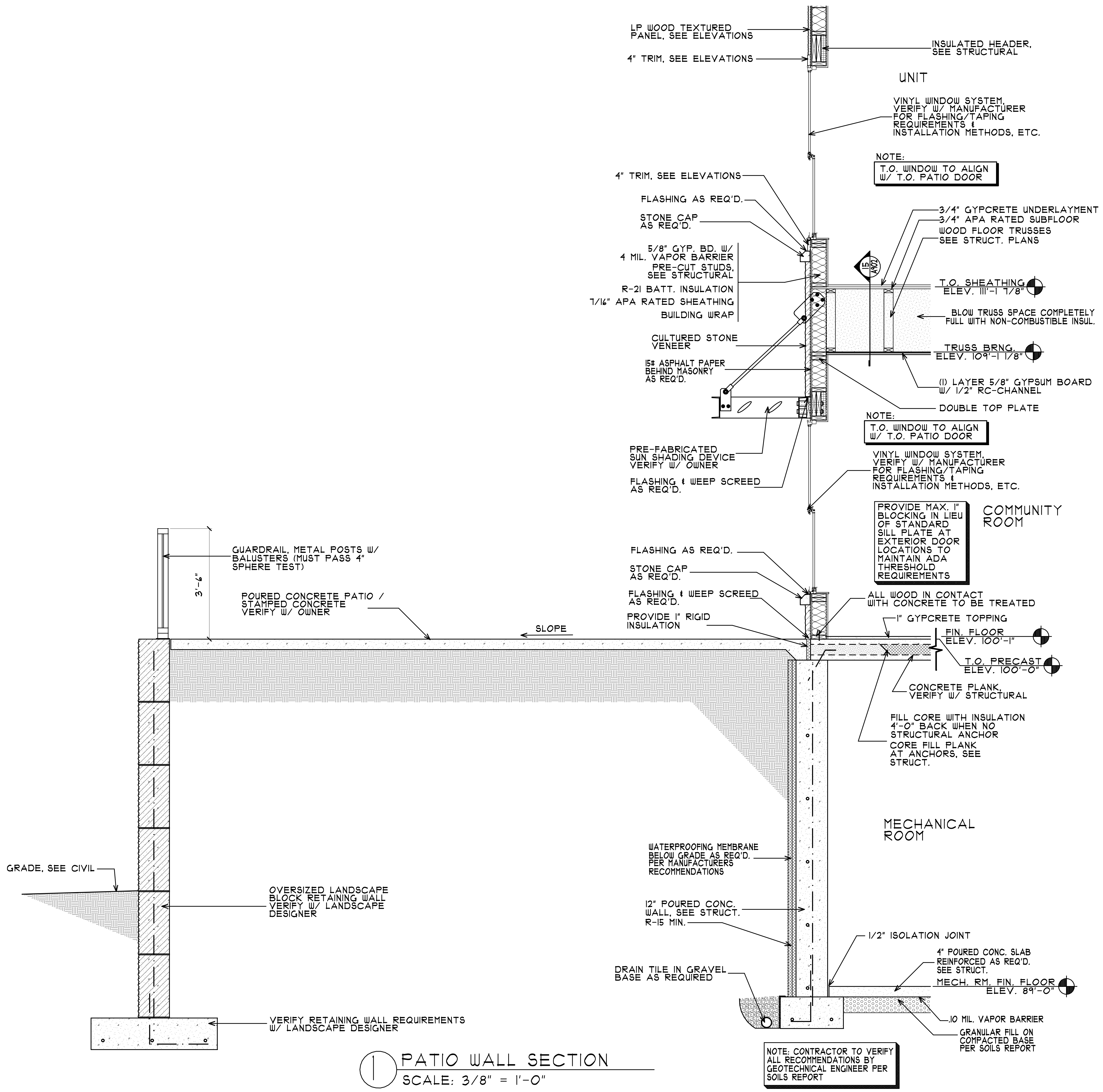
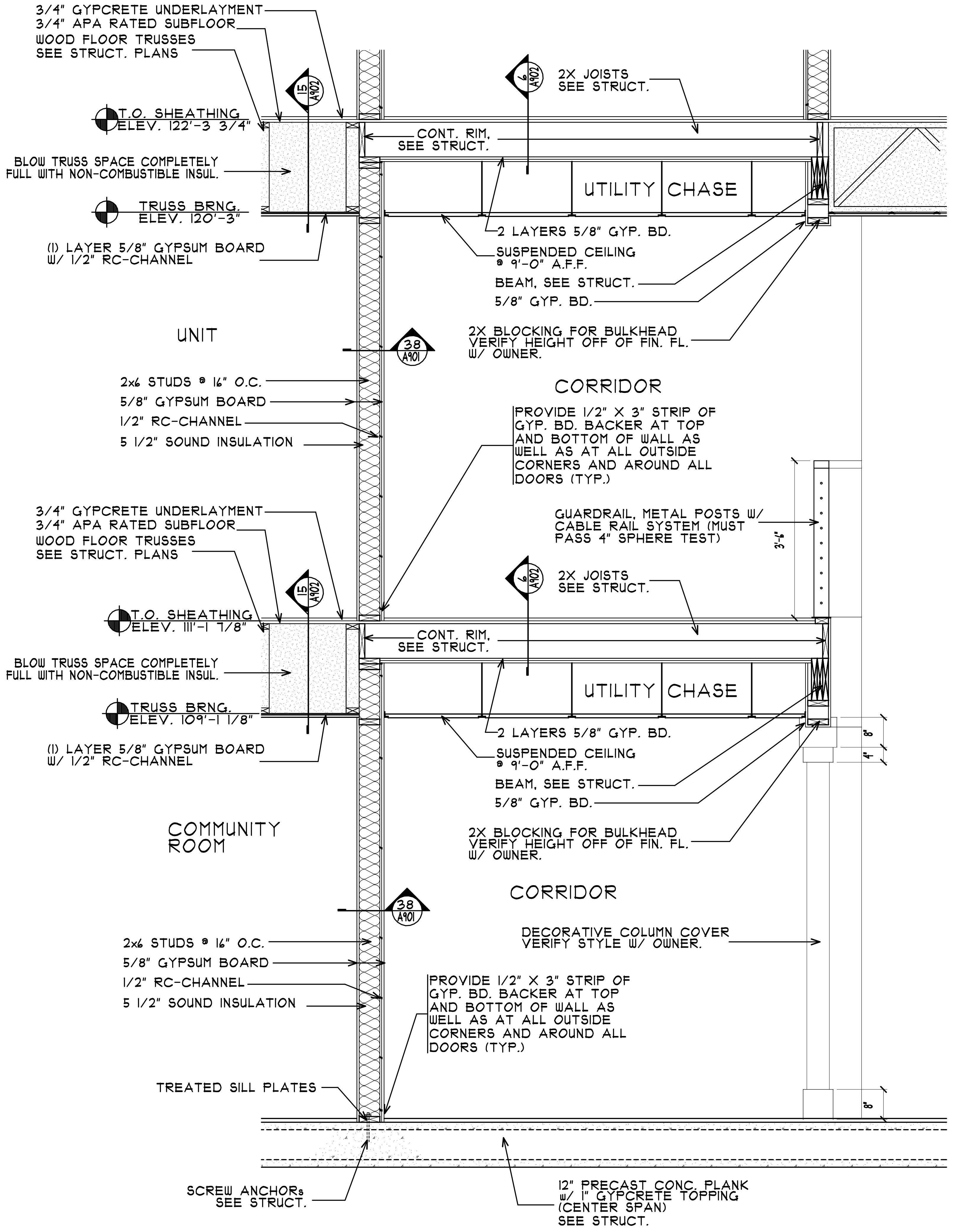

LP WOOD TEXTURED PANEL, SEE ELEVATIONS
4" TRIM, SEE ELEVATIONS
INSULATED HEADER, SEE STRUCTURAL
UNIT
VINYL WINDOW SYSTEM, VERIFY W/ MANUFACTURER FOR FLASHING/TAPING REQUIREMENTS & INSTALLATION METHODS, ETC.
NOTE:
T.O. WINDOW TO ALIGN W/ T.O. PATIO DOOR
4" TRIM, SEE ELEVATIONS
FLASHING AS REQ'D.
STONE CAP AS REQ'D.
3/4" GYPCRETE UNDERLAYMENT
3/4" APA RATED SUBFLOOR
WOOD FLOOR TRUSSES SEE STRUCT. PLANS
5/8" GYP. BD. W/ 4 MIL. VAPOR BARRIER
PRE-CUT STUDS, SEE STRUCTURAL
R-21 BATT. INSULATION
7/16" APA RATED SHEATHING
BUILDING WRAP
15 A902
T.O. SHEATHING ELEV. 111'-1 7/8"
BLOW TRUSS SPACE COMPLETELY FULL WITH NON-COMBUSTIBLE INSUL.
CULTURED STONE VENEER
15# ASPHALT PAPER BEHIND MASONRY AS REQ'D.
TRUSS BRNG. ELEV. 109'-1 1/8"
(1) LAYER 5/8" GYPSUM BOARD W/ 1/2" RC-CHANNEL
DOUBLE TOP PLATE
NOTE:
T.O. WINDOW TO ALIGN W/ T.O. PATIO DOOR
PRE-FABRICATED SUN SHADING DEVICE VERIFY W/ OWNER
FLASHING & WEEP SCREED AS REQ'D.
VINYL WINDOW SYSTEM, VERIFY W/ MANUFACTURER FOR FLASHING/TAPING REQUIREMENTS & INSTALLATION METHODS, ETC.
PROVIDE MAX. 1" BLOCKING IN LIEU OF STANDARD SILL PLATE AT EXTERIOR DOOR LOCATIONS TO MAINTAIN ADA THRESHOLD REQUIREMENTS
COMMUNITY ROOM
GUARDRAIL, METAL POSTS W/ BALUSTERS (MUST PASS 4" SPHERE TEST)
3'-6"
POURED CONCRETE PATIO / STAMPED CONCRETE VERIFY W/ OWNER
SLOPE
FLASHING AS REQ'D.
STONE CAP AS REQ'D.
FLASHING & WEEP SCREED AS REQ'D.
PROVIDE 1" RIGID INSULATION
ALL WOOD IN CONTACT WITH CONCRETE TO BE TREATED
1" GYPCRETE TOPPING
FIN. FLOOR ELEV. 100'-1"
T.O. PRECAST ELEV. 100'-0"
CONCRETE PLANK, VERIFY W/ STRUCTURAL
FILL CORE WITH INSULATION 4'-0" BACK WHEN NO STRUCTURAL ANCHOR
CORE FILL PLANK AT ANCHORS, SEE STRUCT.
MECHANICAL ROOM
GRADE, SEE CIVIL
OVERSIZED LANDSCAPE BLOCK RETAINING WALL VERIFY W/ LANDSCAPE DESIGNER
WATERPROOFING MEMBRANE BELOW GRADE AS REQ'D. PER MANUFACTURERS RECOMMENDATIONS
12" POURED CONC. WALL, SEE STRUCT.
R-15 MIN.
1/2" ISOLATION JOINT
4" POURED CONC. SLAB REINFORCED AS REQ'D. SEE STRUCT.
MECH. RM. FIN. FLOOR ELEV. 89'-0"
DRAIN TILE IN GRAVEL BASE AS REQUIRED
.10 MIL. VAPOR BARRIER
GRANULAR FILL ON COMPACTED BASE PER SOILS REPORT
VERIFY RETAINING WALL REQUIREMENTS W/ LANDSCAPE DESIGNER
NOTE: CONTRACTOR TO VERIFY ALL RECOMMENDATIONS BY GEOTECHNICAL ENGINEER PER SOILS REPORT

1 PATIO WALL SECTION

SCALE: 3/8" = 1'-0"


3/4" GYPCRETE UNDERLAYMENT
3/4" APA RATED SUBFLOOR
WOOD FLOOR TRUSSES SEE STRUCT. PLANS
15 A902
6 A902
2X JOISTS SEE STRUCT.
T.O. SHEATHING ELEV. 122'-3 3/4"
CONT. RIM, SEE STRUCT.
BLOW TRUSS SPACE COMPLETELY FULL WITH NON-COMBUSTIBLE INSUL.
UTILITY CHASE
TRUSS BRNG. ELEV. 120'-3"
2 LAYERS 5/8" GYP. BD.
(1) LAYER 5/8" GYPSUM BOARD W/ 1/2" RC-CHANNEL
SUSPENDED CEILING @ 9'-0" A.F.F.
BEAM, SEE STRUCT.
5/8" GYP. BD.
UNIT
38 A901
2X BLOCKING FOR BULKHEAD VERIFY HEIGHT OFF OF FIN. FL. W/ OWNER.
CORRIDOR
2x6 STUDS @ 16" O.C.
5/8" GYPSUM BOARD
1/2" RC-CHANNEL
5 1/2" SOUND INSULATION
PROVIDE 1/2" X 3" STRIP OF GYP. BD. BACKER AT TOP AND BOTTOM OF WALL AS WELL AS AT ALL OUTSIDE CORNERS AND AROUND ALL DOORS (TYP.)
3/4" GYPCRETE UNDERLAYMENT
3/4" APA RATED SUBFLOOR
WOOD FLOOR TRUSSES SEE STRUCT. PLANS
GUARDRAIL, METAL POSTS W/ CABLE RAIL SYSTEM (MUST PASS 4" SPHERE TEST)
3'-6"
15 A902
6 A902
2X JOISTS SEE STRUCT.
T.O. SHEATHING ELEV. 111'-1 7/8"
CONT. RIM, SEE STRUCT.
BLOW TRUSS SPACE COMPLETELY FULL WITH NON-COMBUSTIBLE INSUL.
UTILITY CHASE
TRUSS BRNG. ELEV. 109'-1 1/8"
2 LAYERS 5/8" GYP. BD.
8"
4"
(1) LAYER 5/8" GYPSUM BOARD W/ 1/2" RC-CHANNEL
SUSPENDED CEILING @ 9'-0" A.F.F.
BEAM, SEE STRUCT.
5/8" GYP. BD.
COMMUNITY ROOM
2X BLOCKING FOR BULKHEAD VERIFY HEIGHT OFF OF FIN. FL. W/ OWNER.
CORRIDOR
38 A901
DECORATIVE COLUMN COVER VERIFY STYLE W/ OWNER.
2x6 STUDS @ 16" O.C.
5/8" GYPSUM BOARD
1/2" RC-CHANNEL
5 1/2" SOUND INSULATION
PROVIDE 1/2" X 3" STRIP OF GYP. BD. BACKER AT TOP AND BOTTOM OF WALL AS WELL AS AT ALL OUTSIDE CORNERS AND AROUND ALL DOORS (TYP.)
TREATED SILL PLATES
8"
SCREW ANCHORs SEE STRUCT.
12" PRECAST CONC. PLANK w/ 1" GYPCRETE TOPPING (CENTER SPAN) SEE STRUCT.

2 LOBBY CORRIDOR SECTION

SCALE: 3/8" = 1'-0"

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I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of MINNESOTA

Date 10-4-18 # 22288

Name NORMAN E. COLE Signature

DEVELOPER:
KELLER/BAARTMAN
PROPERTIES
RED WING, MN
(651) 388-0000

PROPOSED 108 UNIT:
PARK PLACE
APARTMENTS
RED WING, MN

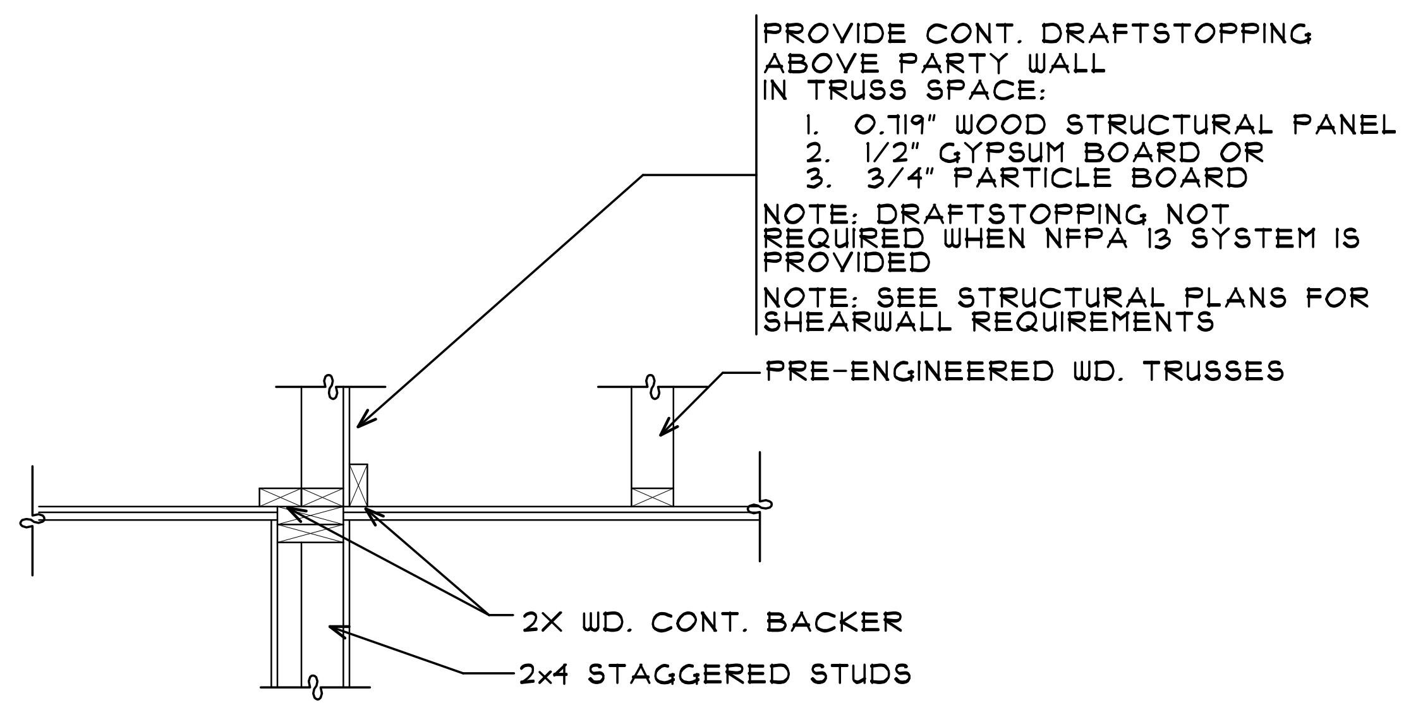
REVISIONS	COMMENTS

REVISIONS	COMMENTS

Project No.
18011
Submittal Date:
10-4-18
Document Set:
PERMIT SET

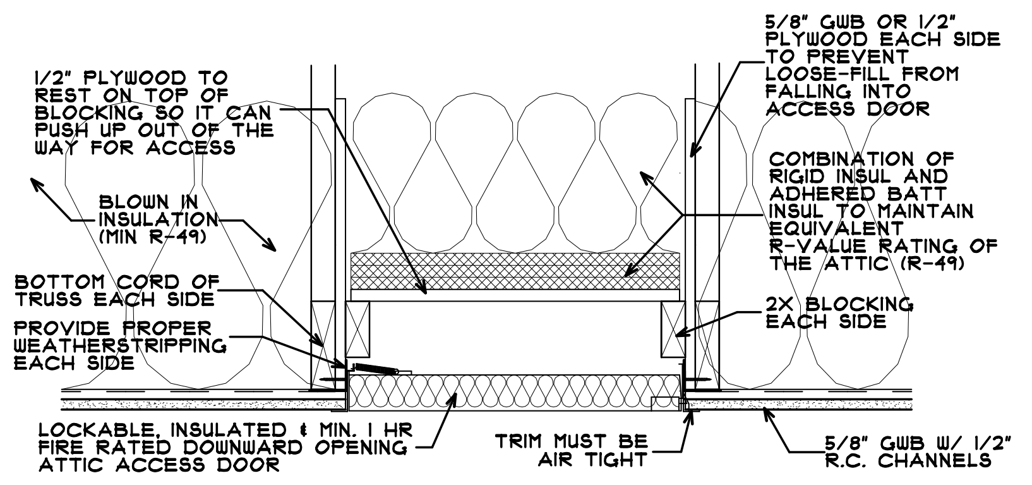
A741

PLOTTED: 10-4-18 FILE: 18011D COM: 4


PROVIDE CONT. DRAFTSTOPPING ABOVE PARTY WALL IN TRUSS SPACE:
1. 0.719" WOOD STRUCTURAL PANEL
2. 1/2" GYPSUM BOARD OR
3. 3/4" PARTICLE BOARD
NOTE: DRAFTSTOPPING NOT REQUIRED WHEN NFPA 13 SYSTEM IS PROVIDED
NOTE: SEE STRUCTURAL PLANS FOR SHEARWALL REQUIREMENTS
PRE-ENGINEERED WD. TRUSSES
2X WD. CONT. BACKER
2x4 STAGGERED STUDS

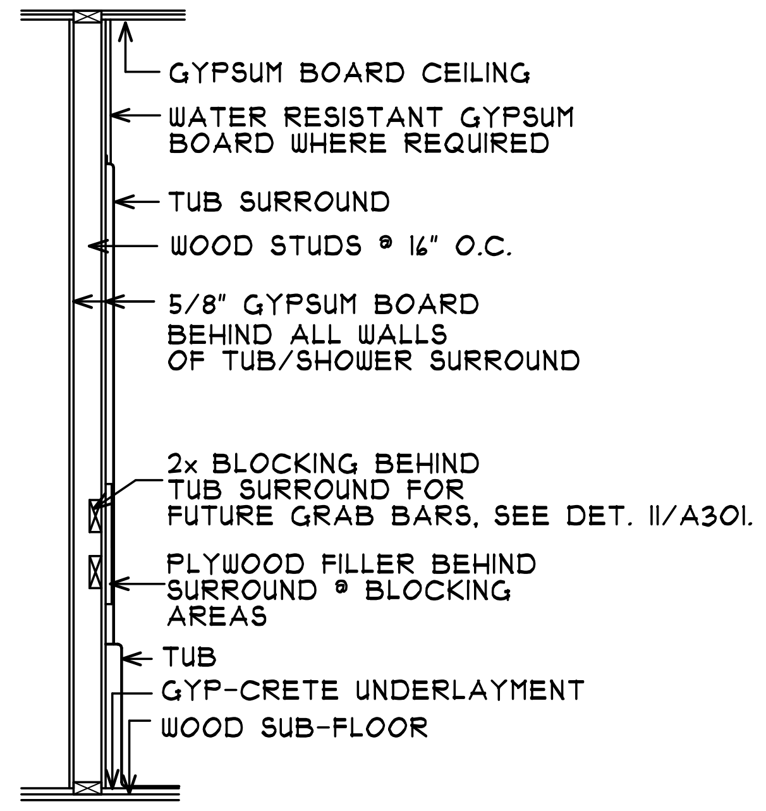
1 DETAIL OF PARTY WALL BACKER

SCALE: 3/4" = 1'-0"


1/2" PLYWOOD TO REST ON TOP OF BLOCKING SO IT CAN PUSH UP OUT OF THE WAY FOR ACCESS
BLOWN IN INSULATION (MIN R-49)
BOTTOM CORD OF TRUSS EACH SIDE
PROVIDE PROPER WEATHERSTRIPPING EACH SIDE
LOCKABLE, INSULATED & MIN. 1 HR FIRE RATED DOWNWARD OPENING ATTIC ACCESS DOOR
TRIM MUST BE AIR TIGHT
5/8" GWB OR 1/2" PLYWOOD EACH SIDE TO PREVENT LOOSE-FILL FROM FALLING INTO ACCESS DOOR
COMBINATION OF RIGID INSUL AND ADHERED BATT INSUL TO MAINTAIN EQUIVALENT R-VALUE RATING OF THE ATTIC (R-49)
2X BLOCKING EACH SIDE
5/8" GWB W/ 1/2" R.C. CHANNELS

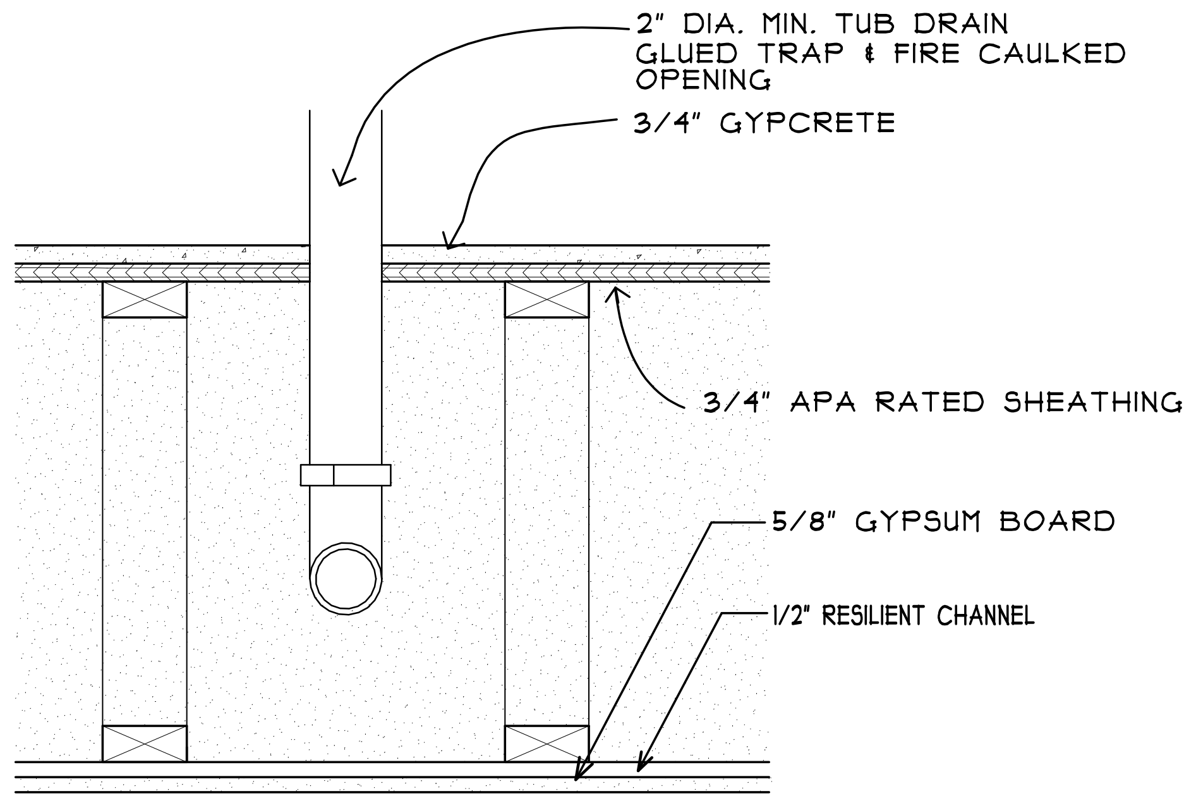
2 ATTIC ACCESS DETAIL

SCALE: 1" = 1'-0"


GYPSUM BOARD CEILING
WATER RESISTANT GYPSUM BOARD WHERE REQUIRED
TUB SURROUND
WOOD STUDS @ 16" O.C.
5/8" GYPSUM BOARD BEHIND ALL WALLS OF TUB/SHOWER SURROUND
2x BLOCKING BEHIND TUB SURROUND FOR FUTURE GRAB BARS, SEE DET. 11/A301.
PLYWOOD FILLER BEHIND SURROUND @ BLOCKING AREAS
TUB
GYP-CRETE UNDERLAYMENT
WOOD SUB-FLOOR

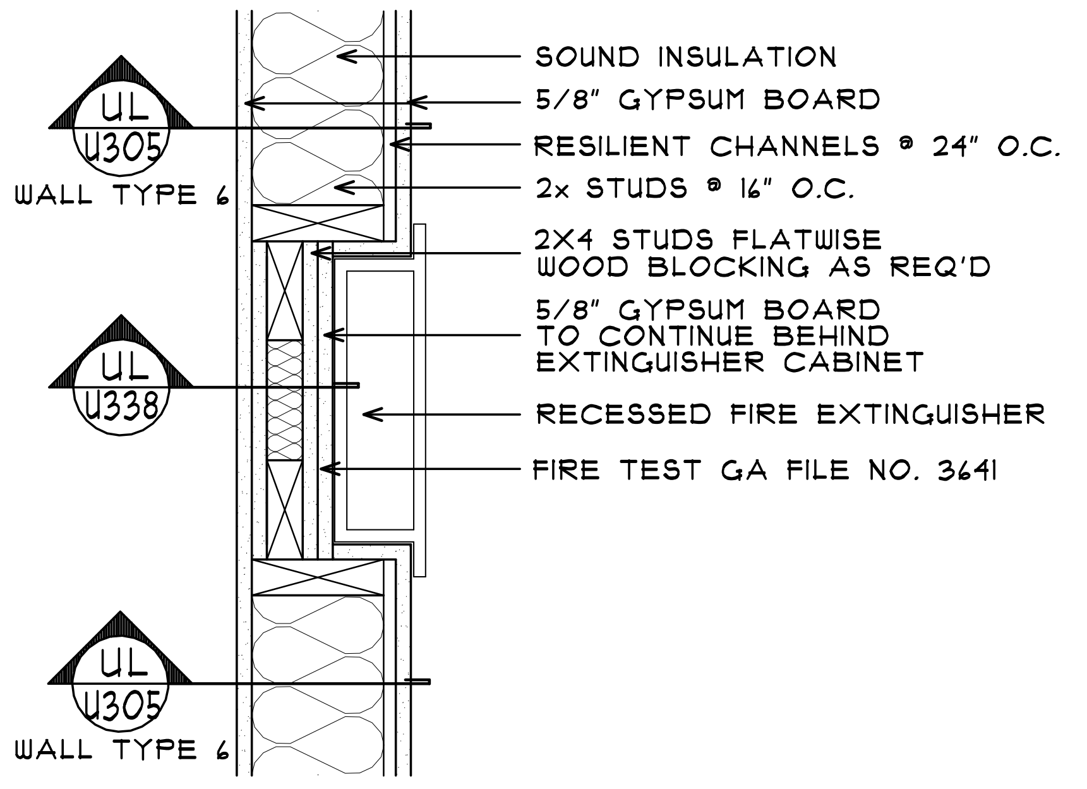
3 TUB SURROUND SECTION

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


2" DIA. MIN. TUB DRAIN GLUED TRAP & FIRE CAULKED OPENING
3/4" GYPCRETE
3/4" APA RATED SHEATHING
5/8" GYPSUM BOARD
1/2" RESILIENT CHANNEL

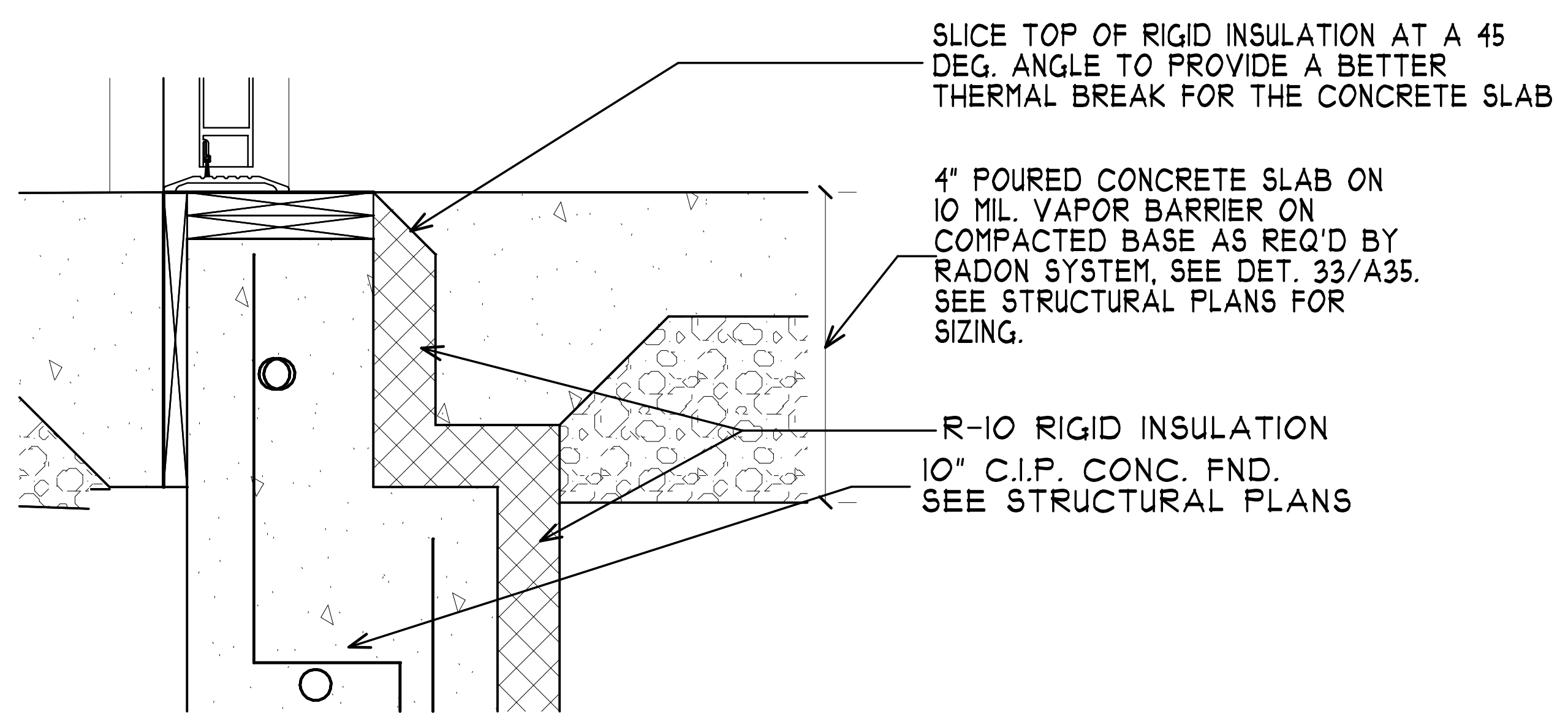
4 TUB DRAIN SECTION

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


UL U305
WALL TYPE 6
UL U338
UL U305
WALL TYPE 6
SOUND INSULATION
5/8" GYPSUM BOARD
RESILIENT CHANNELS @ 24" O.C.
2x STUDS @ 16" O.C.
2X4 STUDS FLATWISE WOOD BLOCKING AS REQ'D
5/8" GYPSUM BOARD TO CONTINUE BEHIND EXTINGUISHER CABINET
RECESSED FIRE EXTINGUISHER
FIRE TEST GA FILE NO. 3641

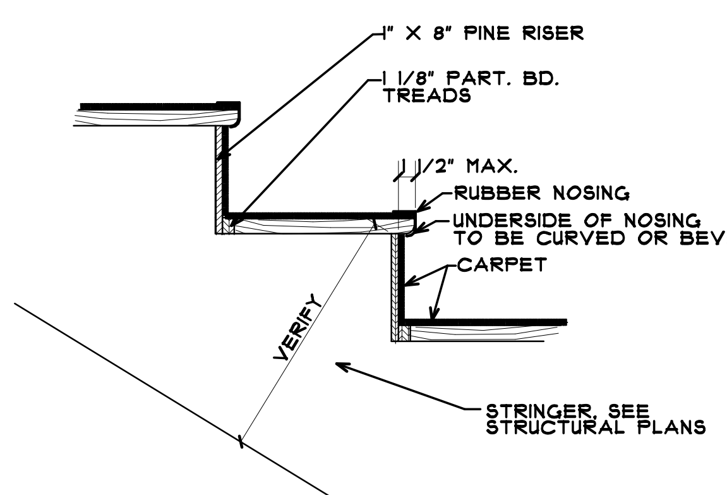
5 RECESSED FIRE EXTINGUISHER DETAIL

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


SLICE TOP OF RIGID INSULATION AT A 45 DEG. ANGLE TO PROVIDE A BETTER THERMAL BREAK FOR THE CONCRETE SLAB
4" POURED CONCRETE SLAB ON 10 MIL. VAPOR BARRIER ON COMPACTED BASE AS REQ'D BY RADON SYSTEM, SEE DET. 33/A35. SEE STRUCTURAL PLANS FOR SIZING.
R-10 RIGID INSULATION
10" C.I.P. CONC. FND. SEE STRUCTURAL PLANS

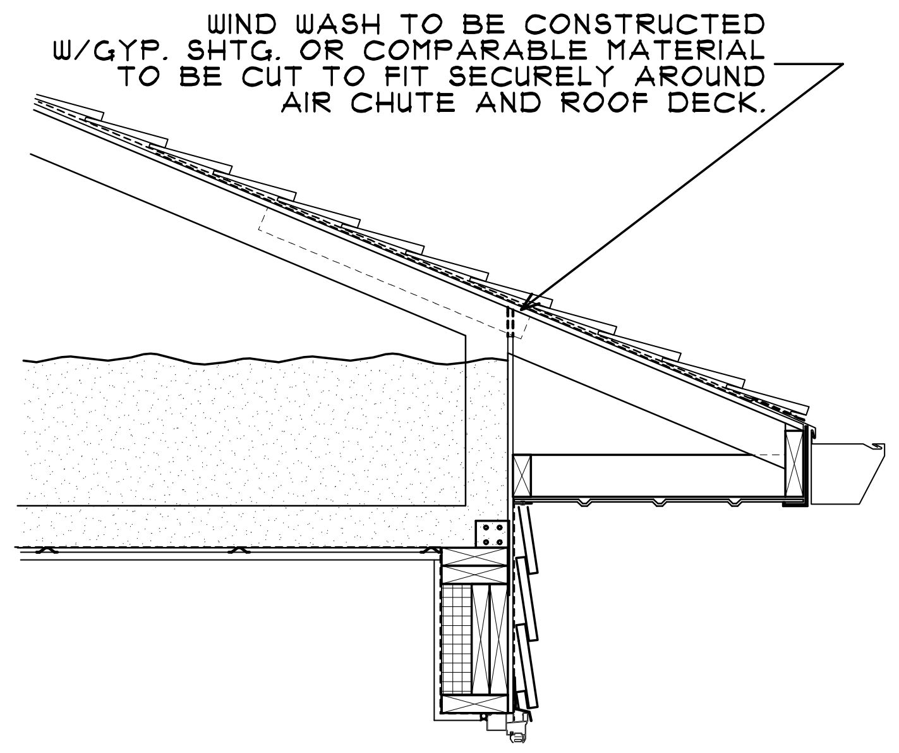
6 SLAB EDGE INSULATION

SCALE: 2" = 1'-0"


1" X 8" PINE RISER
1 1/8" PART. BD. TREADS
1/2" MAX.
RUBBER NOSING
UNDERSIDE OF NOSING TO BE CURVED OR BEVELED
CARPET
VERIFY
STRINGER, SEE STRUCTURAL PLANS

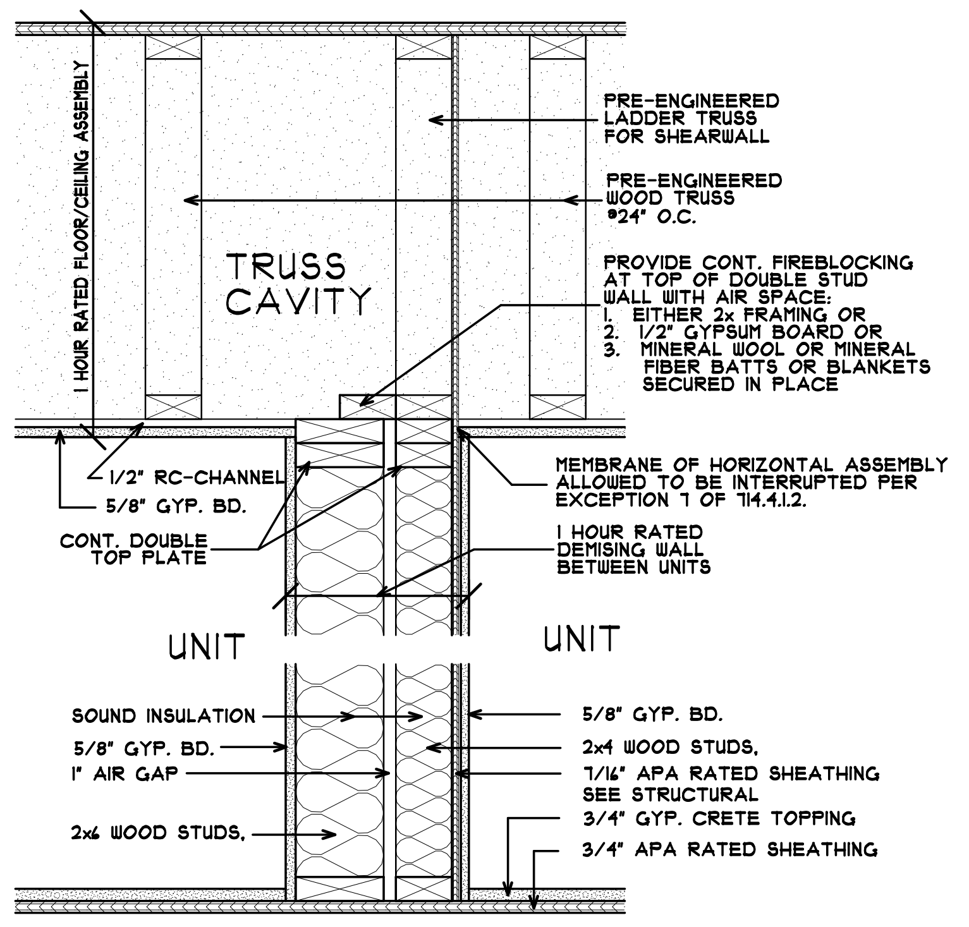
7 STAIR RISER/TREAD DET.

SCALE: 1" = 1'-0"


WIND WASH TO BE CONSTRUCTED W/GYP. SHTG. OR COMPARABLE MATERIAL TO BE CUT TO FIT SECURELY AROUND AIR CHUTE AND ROOF DECK.

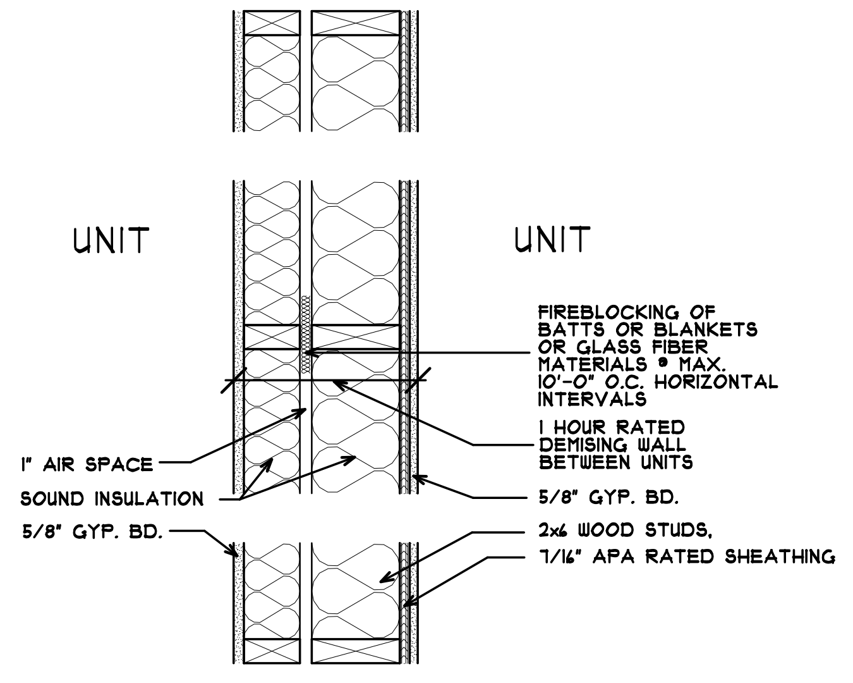
8 DETAIL OF WIND WASH

SCALE: 3/4" = 1'-0"


1 HOUR RATED FLOOR/CEILING ASSEMBLY
TRUSS CAVITY
PRE-ENGINEERED LADDER TRUSS FOR SHEARWALL
PRE-ENGINEERED WOOD TRUSS @24" O.C.
PROVIDE CONT. FIREBLOCKING AT TOP OF DOUBLE STUD WALL WITH AIR SPACE:
1. EITHER 2x FRAMING OR
2. 1/2" GYPSUM BOARD OR
3. MINERAL WOOL OR MINERAL FIBER BATTS OR BLANKETS SECURED IN PLACE
1/2" RC-CHANNEL
5/8" GYP. BD.
CONT. DOUBLE TOP PLATE
MEMBRANE OF HORIZONTAL ASSEMBLY ALLOWED TO BE INTERRUPTED PER EXCEPTION 7 OF 714.4.1.2.
1 HOUR RATED DEMISING WALL BETWEEN UNITS
UNIT
UNIT
SOUND INSULATION
5/8" GYP. BD.
1" AIR GAP
2x6 WOOD STUDS,
5/8" GYP. BD.
2x4 WOOD STUDS,
7/16" APA RATED SHEATHING SEE STRUCTURAL
3/4" GYP. CRETE TOPPING
3/4" APA RATED SHEATHING

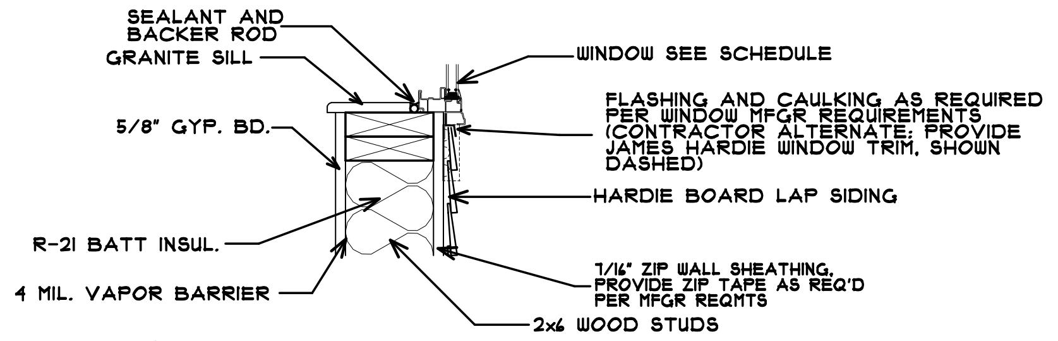
9 VERTICAL FIRESTOPPING DET.

SCALE: 1" - 1'-0" (SECTION VIEW)


UNIT
UNIT
FIREBLOCKING OF BATTS OR BLANKETS OR GLASS FIBER MATERIALS @ MAX. 10'-0" O.C. HORIZONTAL INTERVALS
1 HOUR RATED DEMISING WALL BETWEEN UNITS
1" AIR SPACE
SOUND INSULATION
5/8" GYP. BD.
5/8" GYP. BD.
2x6 WOOD STUDS,
7/16" APA RATED SHEATHING

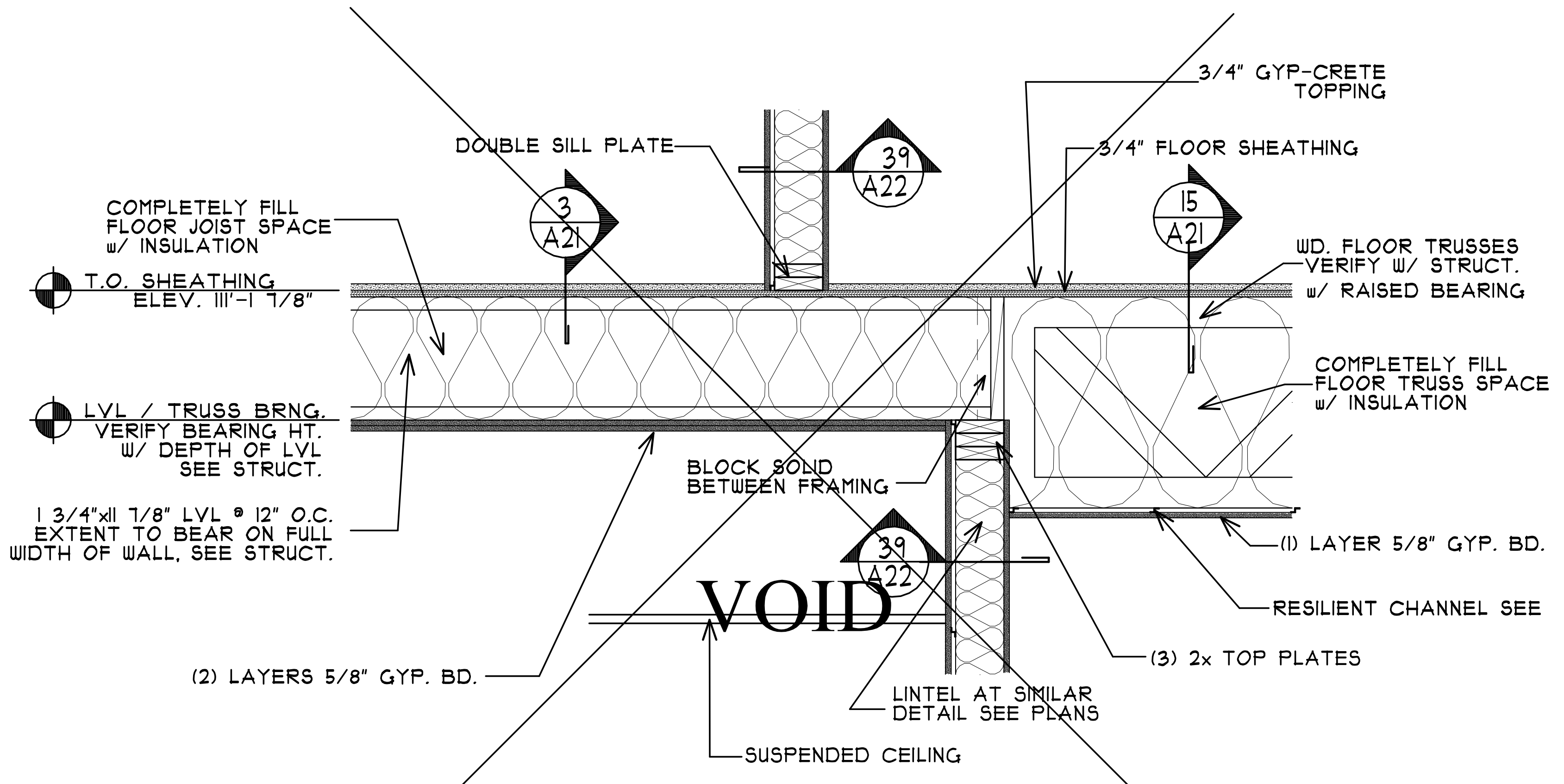
10 HORIZONTAL FIRESTOPPING DET.

SCALE: 1" - 1'-0" (PLAN VIEW)


SEALANT AND BACKER ROD
GRANITE SILL
5/8" GYP. BD.
R-21 BATT INSUL.
4 MIL. VAPOR BARRIER
WINDOW SEE SCHEDULE
FLASHING AND CAULKING AS REQUIRED PER WINDOW MFGR REQUIREMENTS (CONTRACTOR ALTERNATE: PROVIDE JAMES HARDIE WINDOW TRIM, SHOWN DASHED)
HARDIE BOARD LAP SIDING
7/16" ZIP WALL SHEATHING, PROVIDE ZIP TAPE AS REQ'D PER MFGR REQMTS
2x6 WOOD STUDS

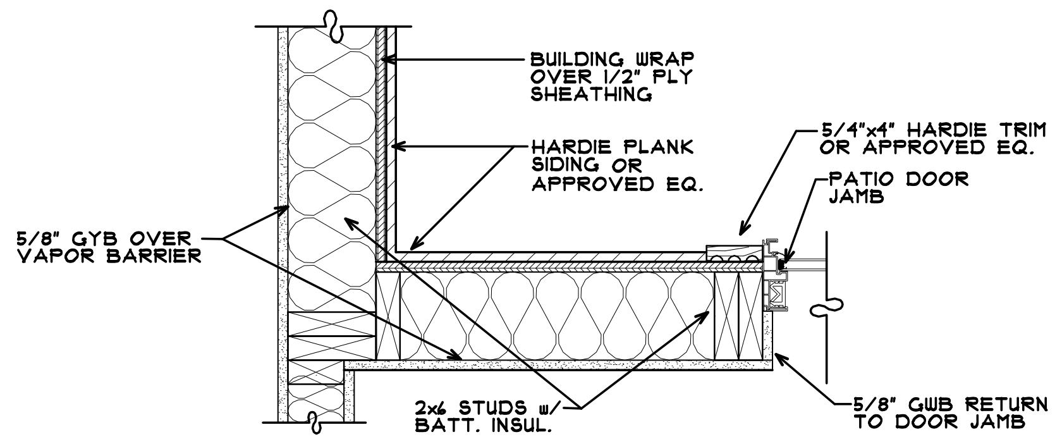
11 WINDOW SILL

SCALE: 1" = 1'-0"


DOUBLE SILL PLATE
39 A22
3 A21
15 A21
3/4" GYP-CRETE TOPPING
3/4" FLOOR SHEATHING
COMPLETELY FILL FLOOR JOIST SPACE w/ INSULATION
T.O. SHEATHING ELEV. 111'-1 7/8"
LVL / TRUSS BRNG. VERIFY BEARING HT. W/ DEPTH OF LVL SEE STRUCT.
1 3/4"x11 7/8" LVL @ 12" O.C. EXTENT TO BEAR ON FULL WIDTH OF WALL, SEE STRUCT.
WD. FLOOR TRUSSES VERIFY W/ STRUCT. w/ RAISED BEARING
COMPLETELY FILL FLOOR TRUSS SPACE w/ INSULATION
BLOCK SOLID BETWEEN FRAMING
39 A22
VOID
(1) LAYER 5/8" GYP. BD.
RESILIENT CHANNEL SEE
(3) 2x TOP PLATES
(2) LAYERS 5/8" GYP. BD.
LINTEL AT SIMILAR DETAIL SEE PLANS
SUSPENDED CEILING

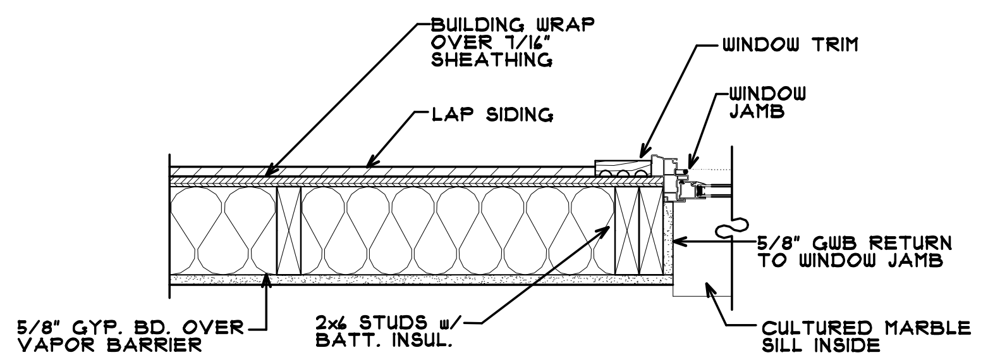
12 MEMORY CARE CORRIDOR SECTION

SCALE: 3/4" = 1'-0"


BUILDING WRAP OVER 1/2" PLY SHEATHING
HARDIE PLANK SIDING OR APPROVED EQ.
5/4"x4" HARDIE TRIM OR APPROVED EQ.
PATIO DOOR JAMB
5/8" GYB OVER VAPOR BARRIER
2x6 STUDS w/ BATT. INSUL.
5/8" GWB RETURN TO DOOR JAMB

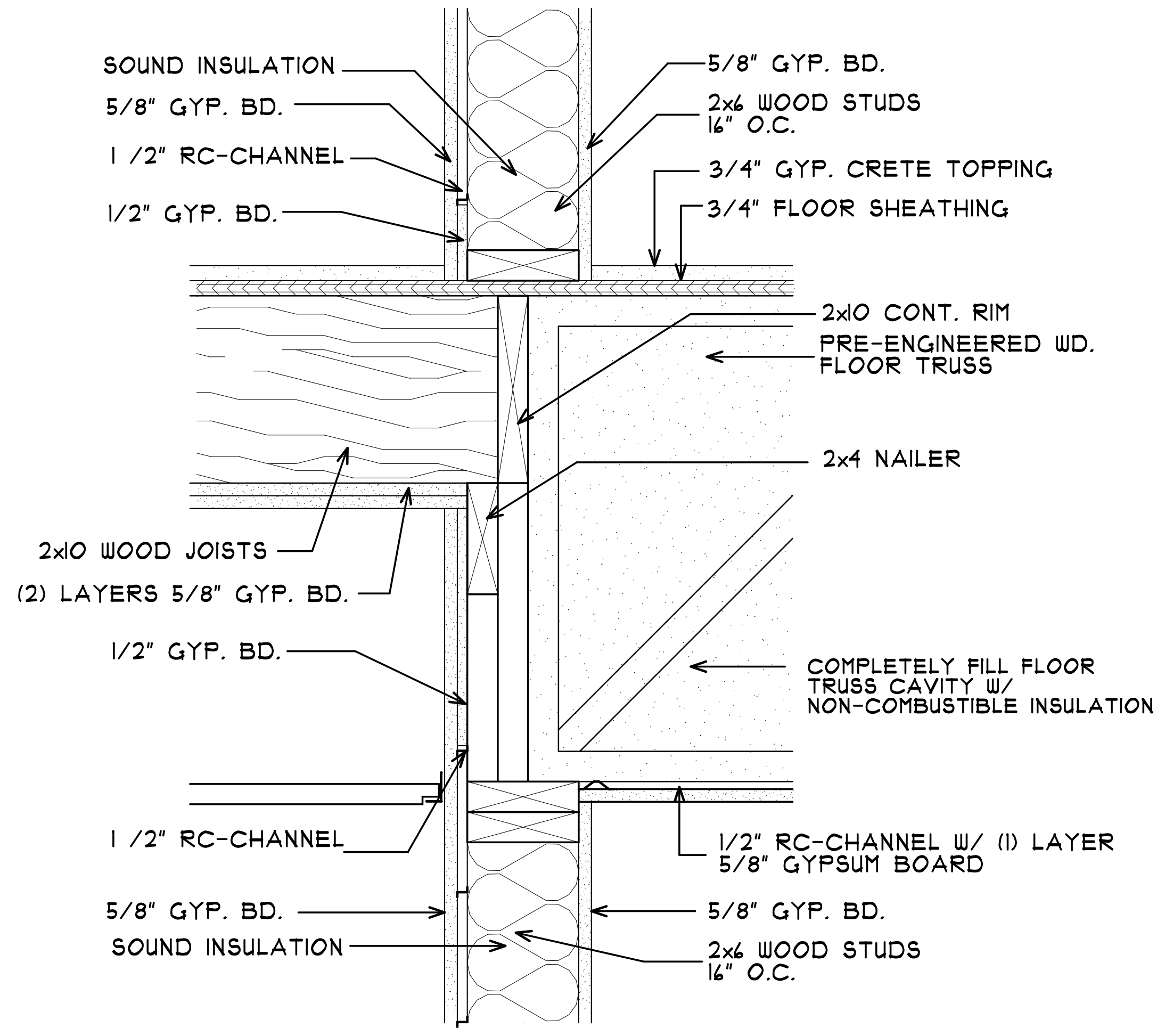
13 PATIO DOOR JAMB DET.

SCALE: 1" = 1'-0"


BUILDING WRAP OVER 7/16" SHEATHING
LAP SIDING
WINDOW TRIM
WINDOW JAMB
5/8" GWB RETURN TO WINDOW JAMB
CULTURED MARBLE SILL INSIDE
5/8" GYP. BD. OVER VAPOR BARRIER
2x6 STUDS w/ BATT. INSUL.

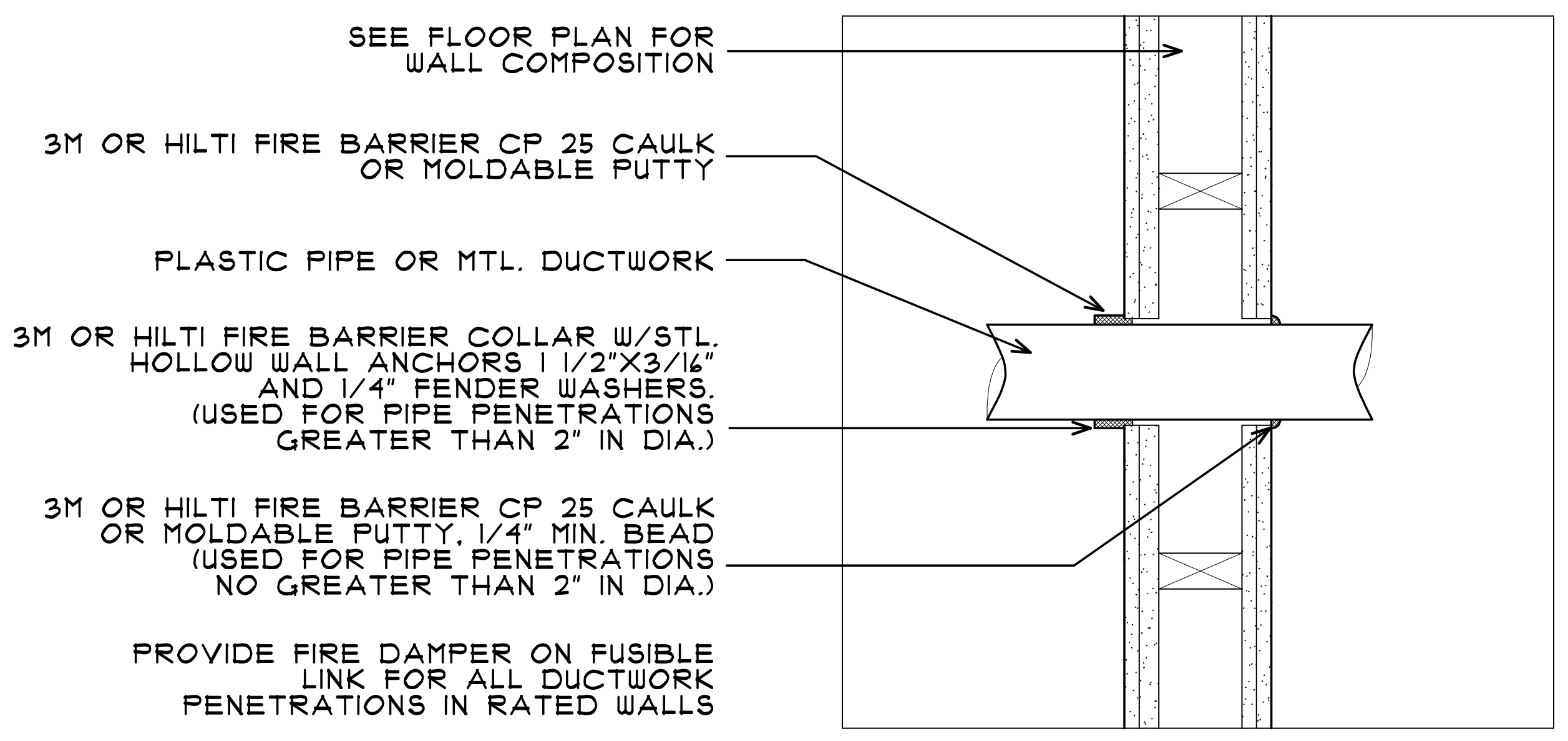
14 WINDOW JAMB DETAIL

SCALE: 1" = 1'-0"


SOUND INSULATION
5/8" GYP. BD.
1 /2" RC-CHANNEL
1/2" GYP. BD.
5/8" GYP. BD.
2x6 WOOD STUDS 16" O.C.
3/4" GYP. CRETE TOPPING
3/4" FLOOR SHEATHING
2x10 CONT. RIM
PRE-ENGINEERED WD. FLOOR TRUSS
2x4 NAILER
2x10 WOOD JOISTS
(2) LAYERS 5/8" GYP. BD.
1/2" GYP. BD.
COMPLETELY FILL FLOOR TRUSS CAVITY W/ NON-COMBUSTIBLE INSULATION
1 /2" RC-CHANNEL
1/2" RC-CHANNEL W/ (1) LAYER 5/8" GYPSUM BOARD
5/8" GYP. BD.
SOUND INSULATION
5/8" GYP. BD.
2x6 WOOD STUDS 16" O.C.

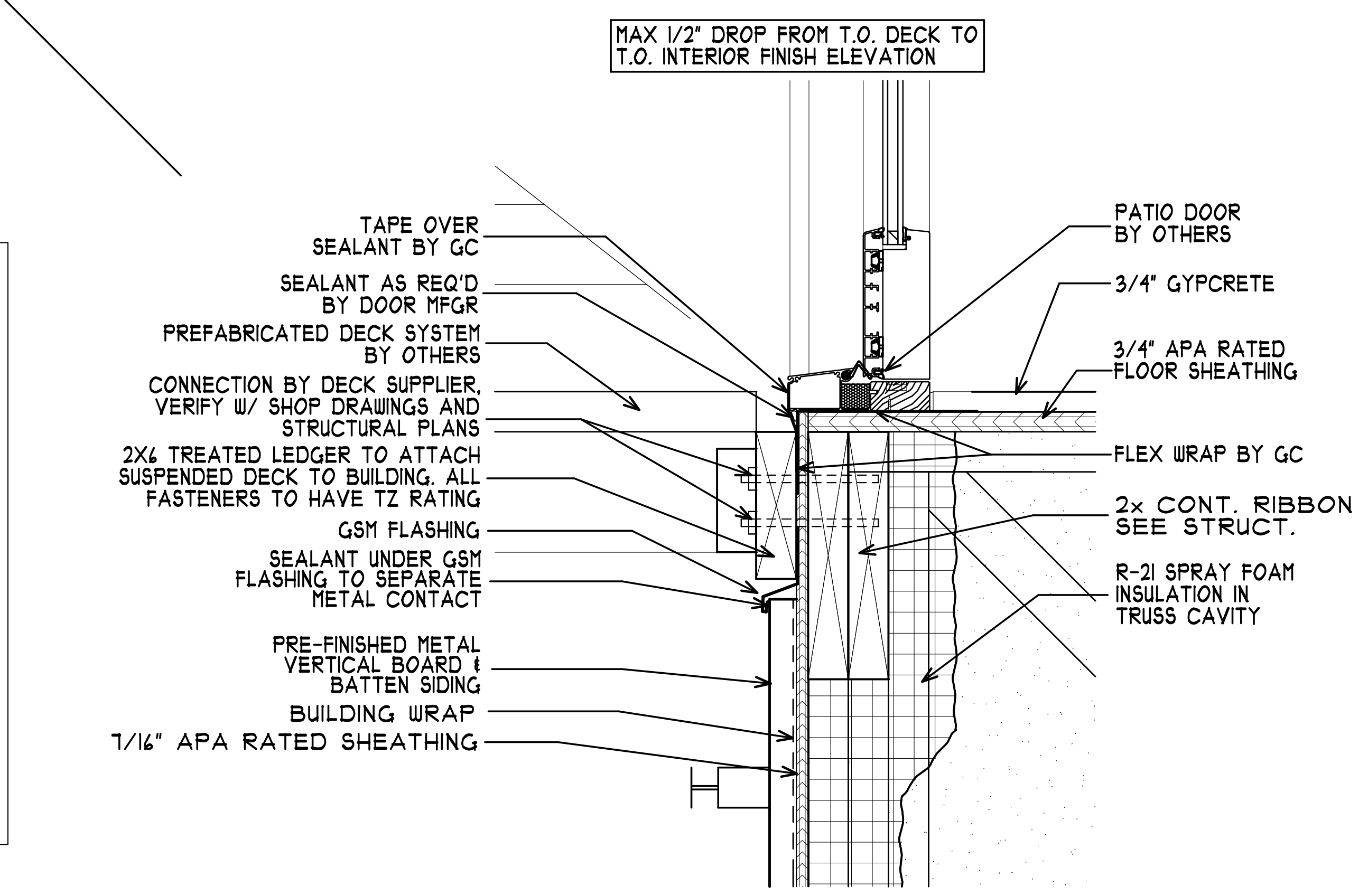
15 TYP. WALL DETAIL @ CORRIDOR

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


SEE FLOOR PLAN FOR WALL COMPOSITION
3M OR HILTI FIRE BARRIER CP 25 CAULK OR MOLDABLE PUTTY
PLASTIC PIPE OR MTL. DUCTWORK
3M OR HILTI FIRE BARRIER COLLAR W/STL. HOLLOW WALL ANCHORS 1 1/2"X3/16" AND 1/4" FENDER WASHERS. (USED FOR PIPE PENETRATIONS GREATER THAN 2" IN DIA.)
3M OR HILTI FIRE BARRIER CP 25 CAULK OR MOLDABLE PUTTY, 1/4" MIN. BEAD (USED FOR PIPE PENETRATIONS NO GREATER THAN 2" IN DIA.)
PROVIDE FIRE DAMPER ON FUSIBLE LINK FOR ALL DUCTWORK PENETRATIONS IN RATED WALLS

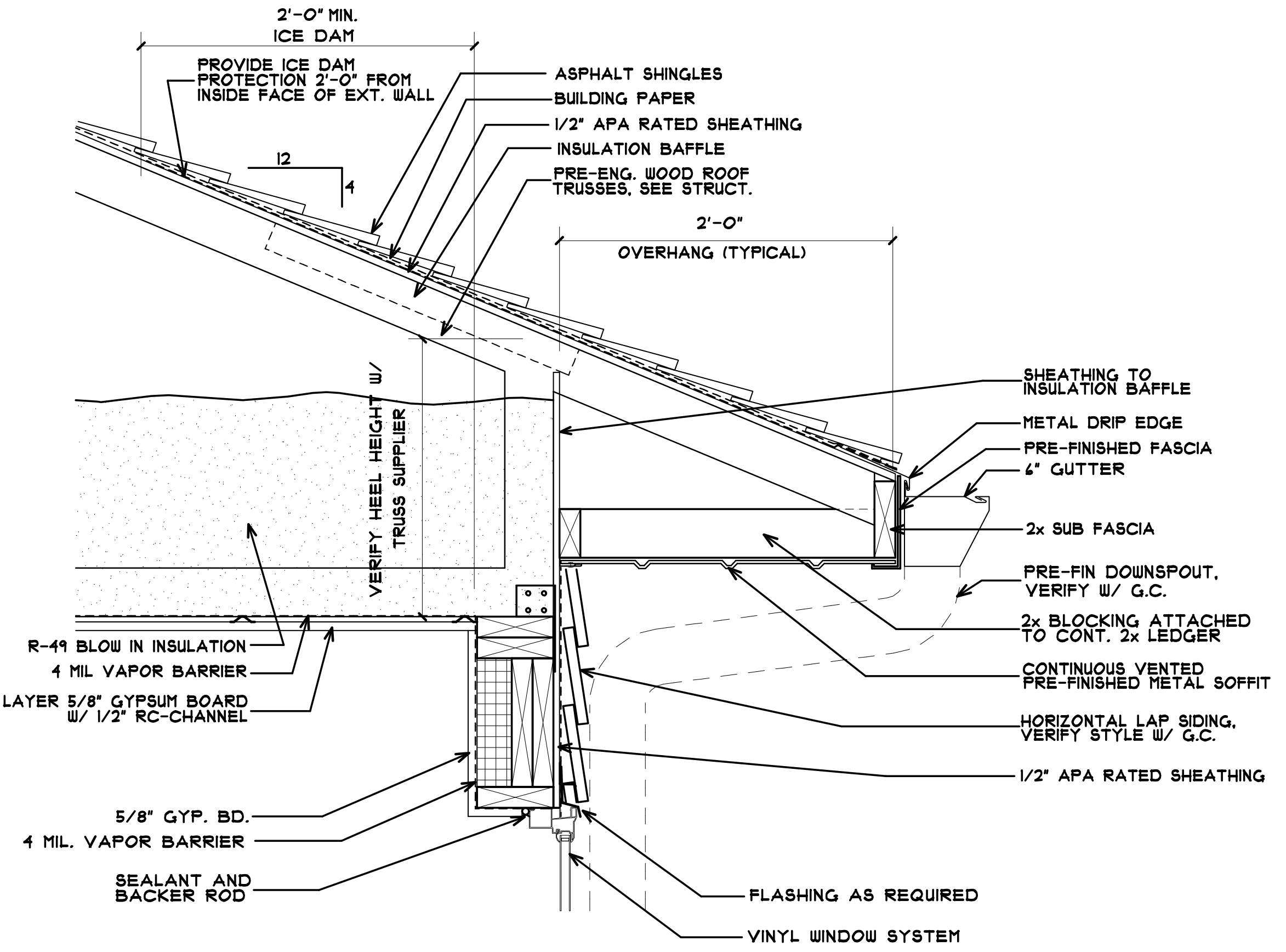
16 PENETRATION @ RATED WALL

SCALE: 3/4" = 1'-0"


MAX 1/2" DROP FROM T.O. DECK TO T.O. INTERIOR FINISH ELEVATION
TAPE OVER SEALANT BY GC
SEALANT AS REQ'D BY DOOR MFGR
PREFABRICATED DECK SYSTEM BY OTHERS
CONNECTION BY DECK SUPPLIER, VERIFY W/ SHOP DRAWINGS AND STRUCTURAL PLANS
2X6 TREATED LEDGER TO ATTACH SUSPENDED DECK TO BUILDING. ALL FASTENERS TO HAVE TZ RATING
GSM FLASHING
SEALANT UNDER GSM FLASHING TO SEPARATE METAL CONTACT
PRE-FINISHED METAL VERTICAL BOARD & BATTEN SIDING
BUILDING WRAP
7/16" APA RATED SHEATHING
PATIO DOOR BY OTHERS
3/4" GYPCRETE
3/4" APA RATED FLOOR SHEATHING
FLEX WRAP BY GC
2x CONT. RIBBON SEE STRUCT.
R-21 SPRAY FOAM INSULATION IN TRUSS CAVITY

17 DECK CONNECTION

SCALE: 2" = 1'-0"


2'-0" MIN. ICE DAM
PROVIDE ICE DAM PROTECTION 2'-0" FROM INSIDE FACE OF EXT. WALL
12
4
ASPHALT SHINGLES
BUILDING PAPER
1/2" APA RATED SHEATHING
INSULATION BAFFLE
PRE-ENG. WOOD ROOF TRUSSES, SEE STRUCT.
2'-0"
OVERHANG (TYPICAL)
VERIFY HEEL HEIGHT W/ TRUSS SUPPLIER
SHEATHING TO INSULATION BAFFLE
METAL DRIP EDGE
PRE-FINISHED FASCIA
6" GUTTER
2x SUB FASCIA
PRE-FIN DOWNSPOUT, VERIFY W/ G.C.
2x BLOCKING ATTACHED TO CONT. 2x LEDGER
CONTINUOUS VENTED PRE-FINISHED METAL SOFFIT
HORIZONTAL LAP SIDING, VERIFY STYLE W/ G.C.
1/2" APA RATED SHEATHING
R-49 BLOW IN INSULATION
4 MIL VAPOR BARRIER
(1) LAYER 5/8" GYPSUM BOARD W/ 1/2" RC-CHANNEL
5/8" GYP. BD.
4 MIL. VAPOR BARRIER
SEALANT AND BACKER ROD
FLASHING AS REQUIRED
VINYL WINDOW SYSTEM

18 TYP. EAVE DETAIL

SCALE: 1" = 1'-0"

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I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of MINNESOTA

Date 10-4-18 # 22288

Name NORMAN E. COLE Signature

DEVELOPER:
KB KELLER/BAARTMAN PROPERTIES
RED WING, MN
(651) 388-0000

PROPOSED 108 UNIT:
PARK PLACE APARTMENTS
RED WING, MN

REVISIONS	COMMENTS

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A801

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G.C. TO INSTALL A PASSIVE RADON MITIGATION SYSTEM PER MN 1303.2400

ADDITIONAL NOTES:

PROVIDE PIPE A MINIMUM OF 10'-0" IN TWO DIRECTIONS WITH A TEE FITTING UNDER THE SLAB AND WITHIN THE GAS PERMEABLE LAYER. RUN 3" PIPE TO EXTERIOR ROOF PER MECHANICAL PLANS.

SUBFLOOR PREPARATION:

OPTION 1) A UNIFORM LAYER OF CLEAN AGGREGATE, 4" THICK (1/4" - 3/4" IN SIZE) SHALL BE PACED UNDER THE CONCRETE SLAB.

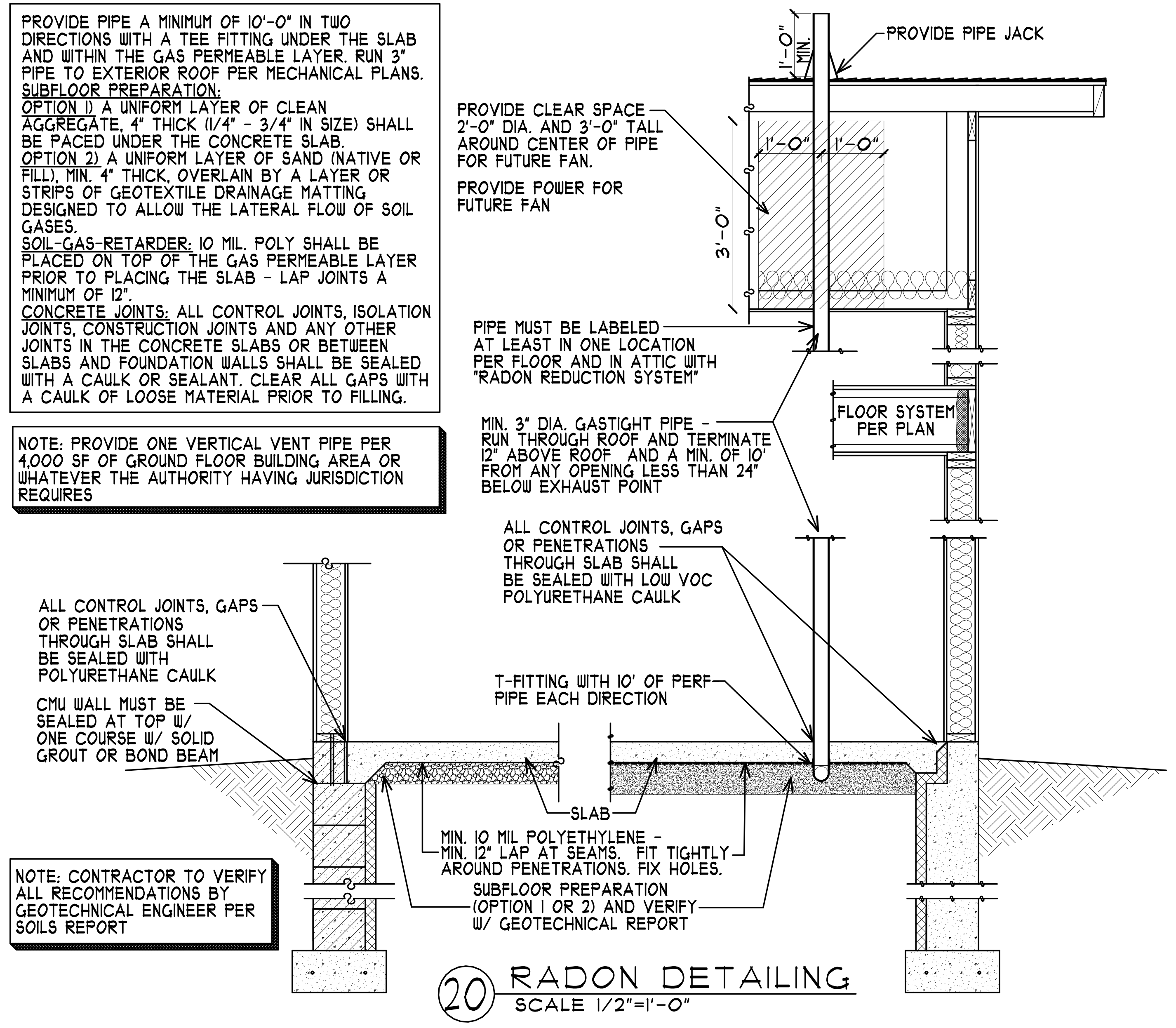
OPTION 2) A UNIFORM LAYER OF SAND (NATIVE OR FILL), MIN. 4" THICK, OVERLAIN BY A LAYER OR STRIPS OF GEOTEXTILE DRAINAGE MATTING DESIGNED TO ALLOW THE LATERAL FLOW OF SOIL GASES.

SOIL-GAS-RETARDER: 10 MIL. POLY SHALL BE PLACED ON TOP OF THE GAS PERMEABLE LAYER PRIOR TO PLACING THE SLAB - LAP JOINTS A MINIMUM OF 12".

CONCRETE JOINTS: ALL CONTROL JOINTS, ISOLATION JOINTS, CONSTRUCTION JOINTS AND ANY OTHER JOINTS IN THE CONCRETE SLABS OR BETWEEN SLABS AND FOUNDATION WALLS SHALL BE SEALED WITH A CAULK OR SEALANT. CLEAR ALL GAPS WITH A CAULK OF LOOSE MATERIAL PRIOR TO FILLING.

NOTE: PROVIDE ONE VERTICAL VENT PIPE PER 4,000 SF OF GROUND FLOOR BUILDING AREA OR WHATEVER THE AUTHORITY HAVING JURISDICTION REQUIRES

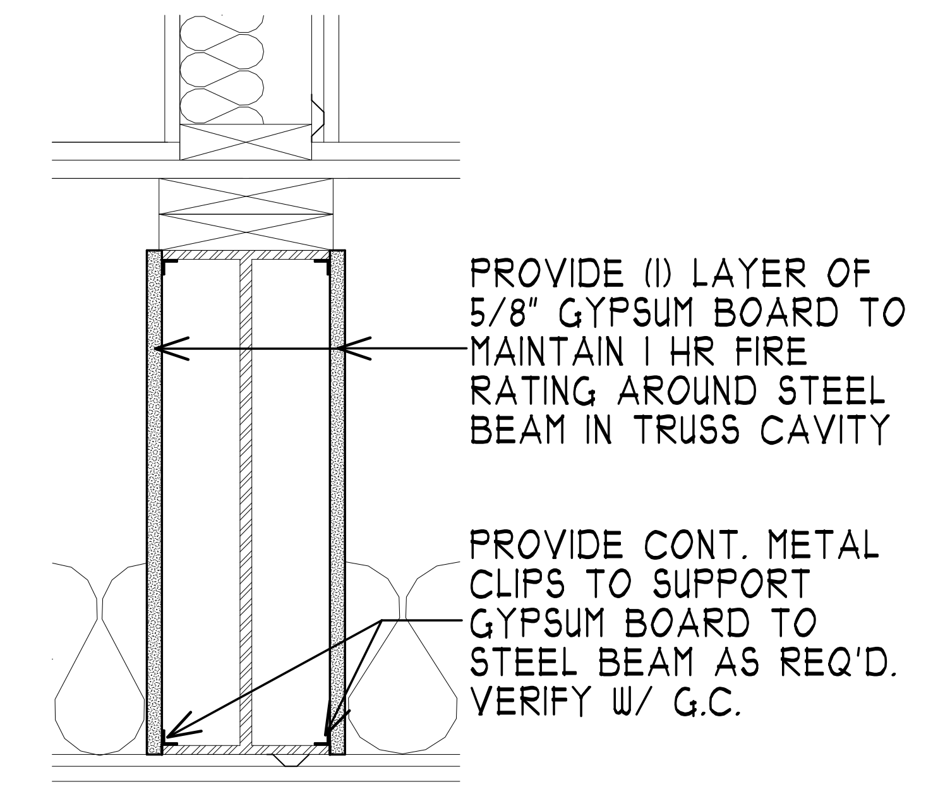
NOTE: CONTRACTOR TO VERIFY ALL RECOMMENDATIONS BY GEOTECHNICAL ENGINEER PER SOILS REPORT


1'-0" MIN.
PROVIDE PIPE JACK
PROVIDE CLEAR SPACE 2'-0" DIA. AND 3'-0" TALL AROUND CENTER OF PIPE FOR FUTURE FAN.
PROVIDE POWER FOR FUTURE FAN
1'-0"
1'-0"
3'-0"
PIPE MUST BE LABELED AT LEAST IN ONE LOCATION PER FLOOR AND IN ATTIC WITH "RADON REDUCTION SYSTEM"
FLOOR SYSTEM PER PLAN
MIN. 3" DIA. GASTIGHT PIPE - RUN THROUGH ROOF AND TERMINATE 12" ABOVE ROOF AND A MIN. OF 10' FROM ANY OPENING LESS THAN 24" BELOW EXHAUST POINT
ALL CONTROL JOINTS, GAPS OR PENETRATIONS THROUGH SLAB SHALL BE SEALED WITH LOW VOC POLYURETHANE CAULK
ALL CONTROL JOINTS, GAPS OR PENETRATIONS THROUGH SLAB SHALL BE SEALED WITH POLYURETHANE CAULK
CMU WALL MUST BE SEALED AT TOP W/ ONE COURSE W/ SOLID GROUT OR BOND BEAM
T-FITTING WITH 10' OF PERF PIPE EACH DIRECTION
SLAB
MIN. 10 MIL POLYETHYLENE - MIN. 12" LAP AT SEAMS. FIT TIGHTLY AROUND PENETRATIONS. FIX HOLES.
SUBFLOOR PREPARATION (OPTION 1 OR 2) AND VERIFY W/ GEOTECHNICAL REPORT

20 RADON DETAILING

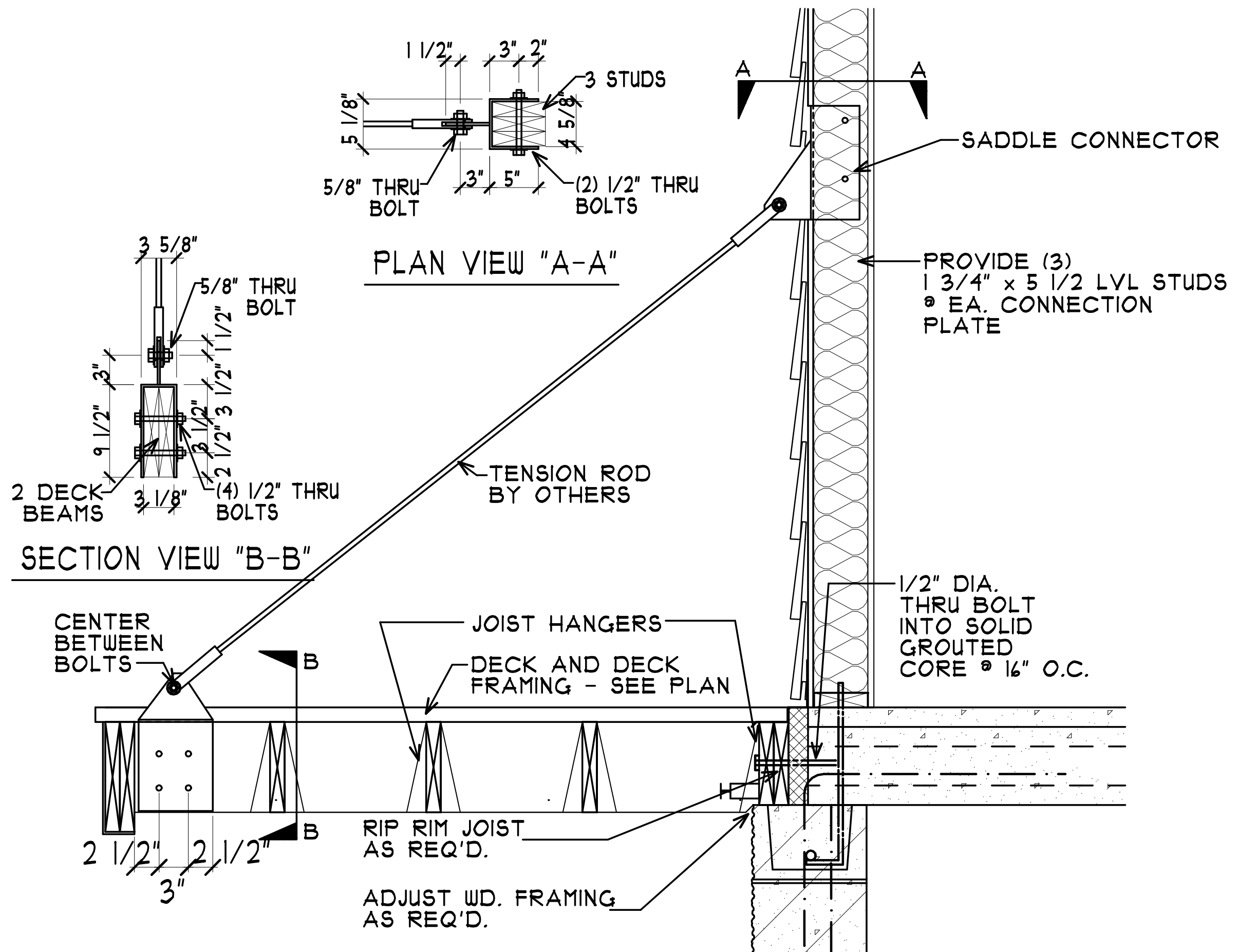
SCALE 1/2"=1'-0"

REQUIRED WHEN RESIDENTIAL OCCUPANCIES IS IN DIRECT CONTACT WITH CONCRETE OVER EARTH (SLAB-ON-GRADE PORTION OF THE BUILDING)


PROVIDE (1) LAYER OF 5/8" GYPSUM BOARD TO MAINTAIN 1 HR FIRE RATING AROUND STEEL BEAM IN TRUSS CAVITY
PROVIDE CONT. METAL CLIPS TO SUPPORT GYPSUM BOARD TO STEEL BEAM AS REQ'D. VERIFY W/ G.C.

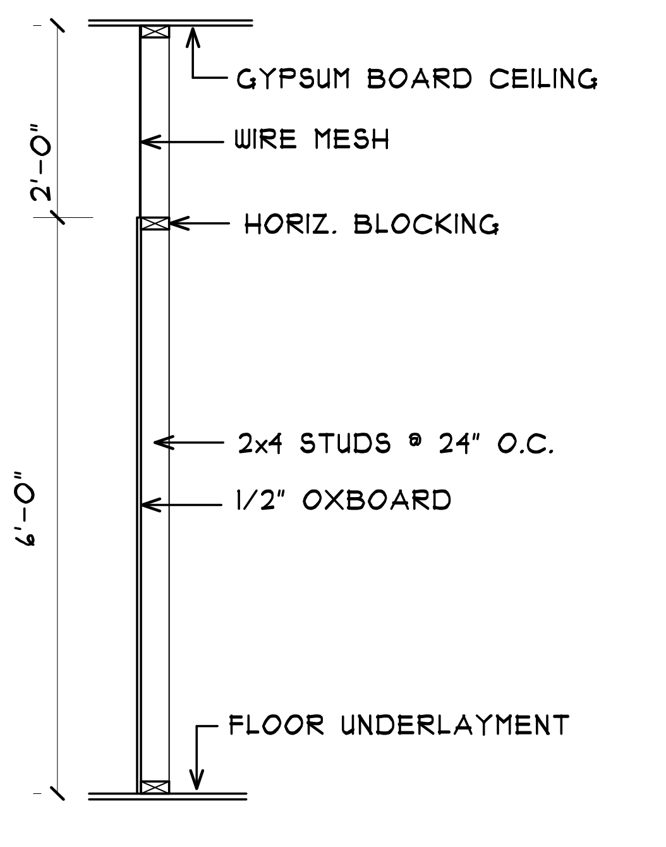
25 STEEL BEAM IN TRUSS CAVITY

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


1 1/2"
3"
2"
3 STUDS
5 1/8"
4 5/8"
5/8" THRU BOLT
3"
5"
(2) 1/2" THRU BOLTS
PLAN VIEW "A-A"
3 5/8"
5/8" THRU BOLT
1 1/2"
3"
3 1/2"
9 1/2"
3 1/2"
2 1/2"
2 DECK BEAMS
3 1/8"
(4) 1/2" THRU BOLTS
SECTION VIEW "B-B"
A
A
SADDLE CONNECTOR
PROVIDE (3) 1 3/4" x 5 1/2 LVL STUDS @ EA. CONNECTION PLATE
TENSION ROD BY OTHERS
1/2" DIA. THRU BOLT INTO SOLID GROUTED CORE @ 16" O.C.
CENTER BETWEEN BOLTS
JOIST HANGERS
DECK AND DECK FRAMING - SEE PLAN
B
B
2 1/2"
2 1/2"
3"
RIP RIM JOIST AS REQ'D.
ADJUST WD. FRAMING AS REQ'D.

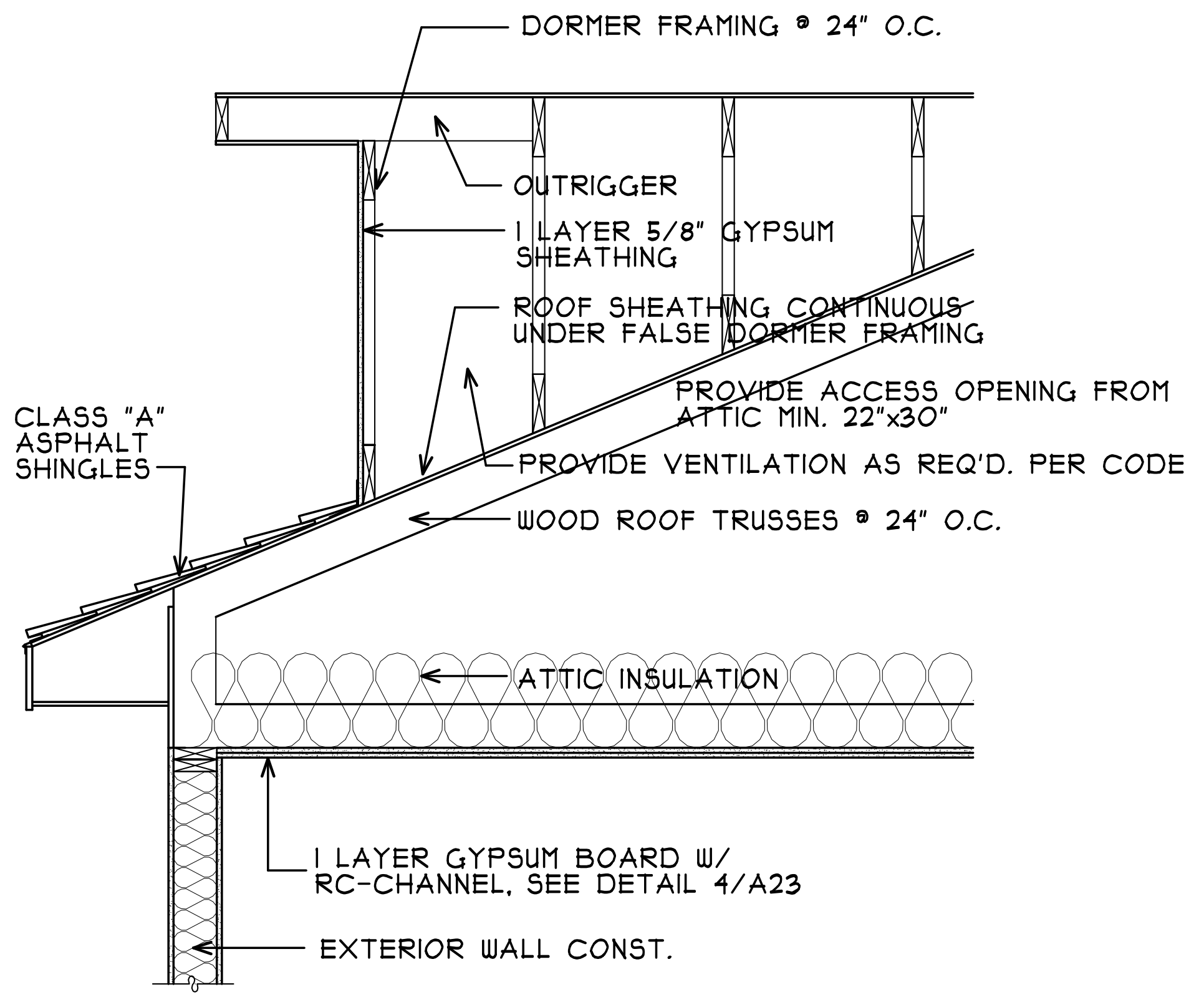
30 TENSION ROD DETAIL

SCALE: 3/4 = 1'-0"


GYPSUM BOARD CEILING
WIRE MESH
HORIZ. BLOCKING
2x4 STUDS @ 24" O.C.
1/2" OXBOARD
FLOOR UNDERLAYMENT
2'-0"
6'-0"

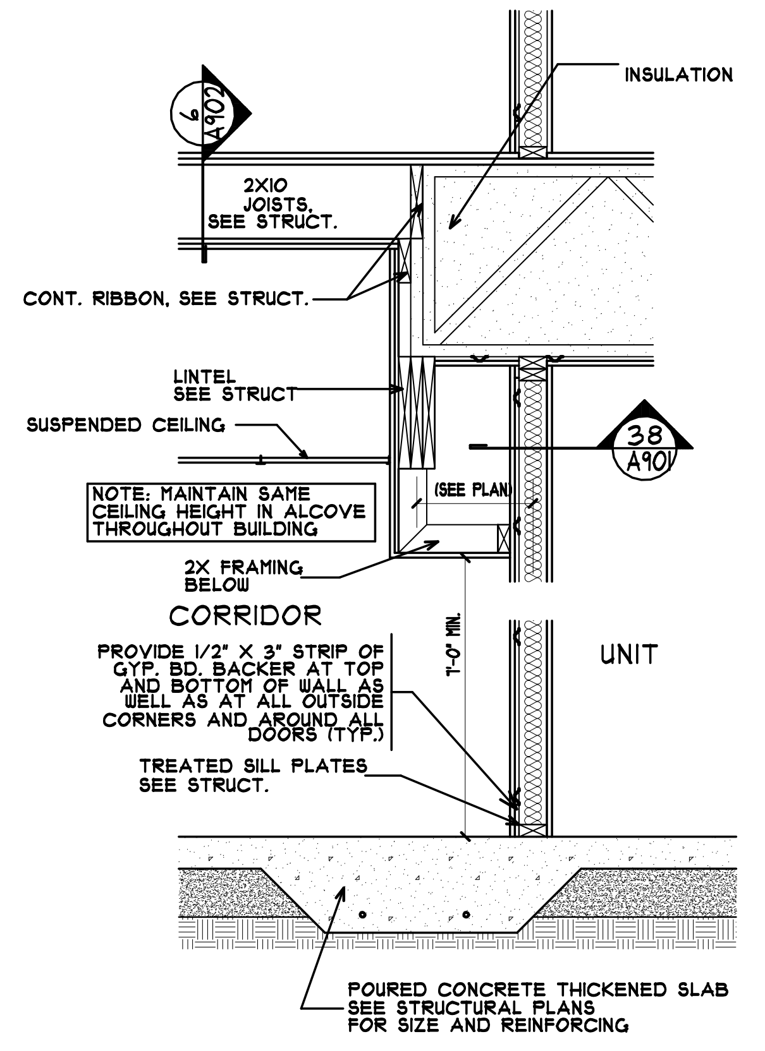
21 STORAGE LOCKER

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


DORMER FRAMING @ 24" O.C.
OUTRIGGER
1 LAYER 5/8" GYPSUM SHEATHING
ROOF SHEATHING CONTINUOUS UNDER FALSE DORMER FRAMING
PROVIDE ACCESS OPENING FROM ATTIC MIN. 22"x30"
CLASS "A" ASPHALT SHINGLES
PROVIDE VENTILATION AS REQ'D. PER CODE
WOOD ROOF TRUSSES @ 24" O.C.
ATTIC INSULATION
1 LAYER GYPSUM BOARD W/ RC-CHANNEL, SEE DETAIL 4/A23
EXTERIOR WALL CONST.

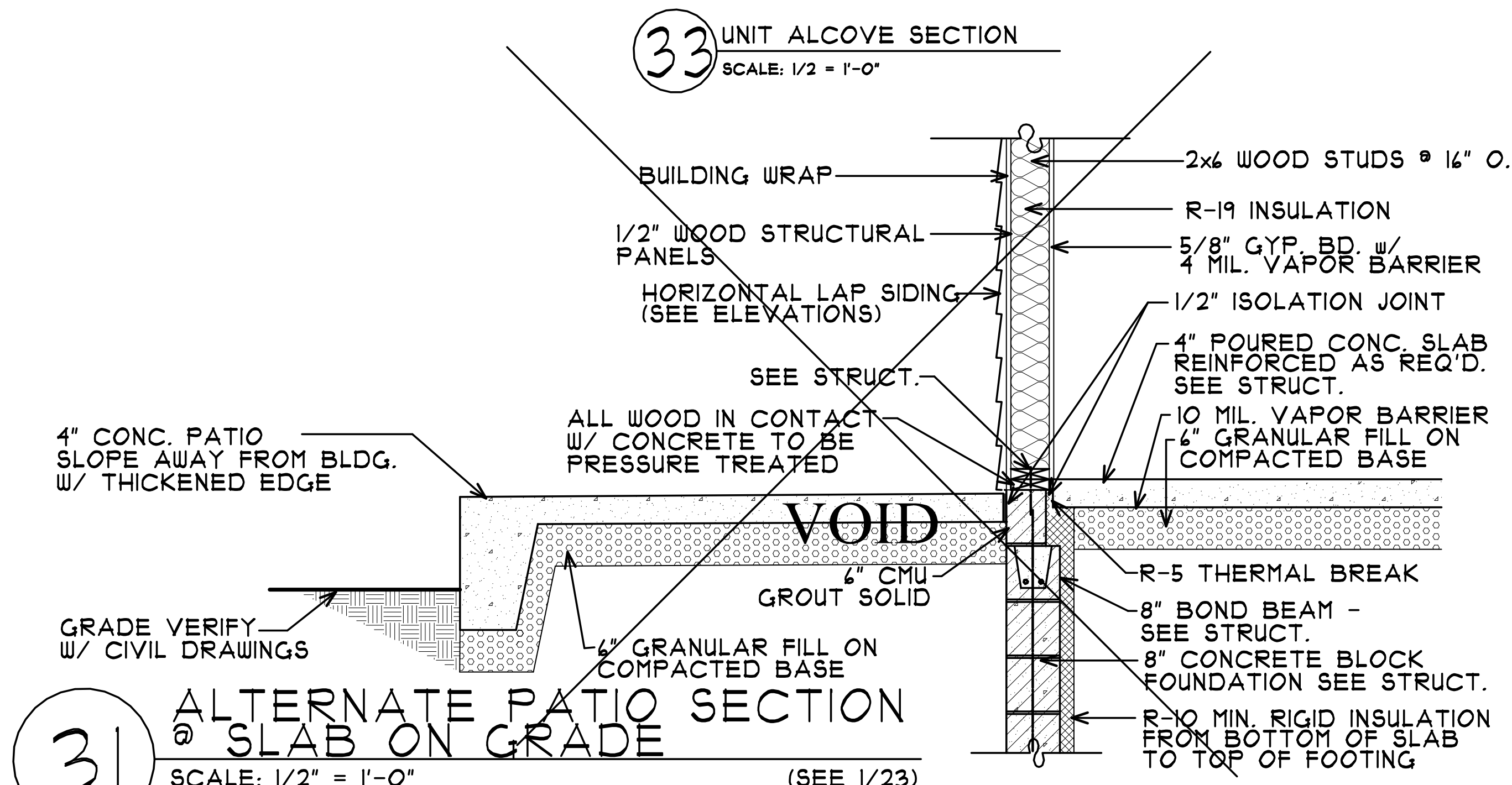
26 GABLE DORMER DETAIL

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


6
A902
INSULATION
2X10 JOISTS, SEE STRUCT.
CONT. RIBBON, SEE STRUCT.
LINTEL SEE STRUCT
SUSPENDED CEILING
38
A901
(SEE PLAN)
NOTE: MAINTAIN SAME CEILING HEIGHT IN ALCOVE THROUGHOUT BUILDING
2X FRAMING BELOW
CORRIDOR
UNIT
7'-0" MIN.
PROVIDE 1/2" X 3" STRIP OF GYP. BD. BACKER AT TOP AND BOTTOM OF WALL AS WELL AS AT ALL OUTSIDE CORNERS AND AROUND ALL DOORS (TYP.)
TREATED SILL PLATES SEE STRUCT.
POURED CONCRETE THICKENED SLAB SEE STRUCTURAL PLANS FOR SIZE AND REINFORCING

33 UNIT ALCOVE SECTION

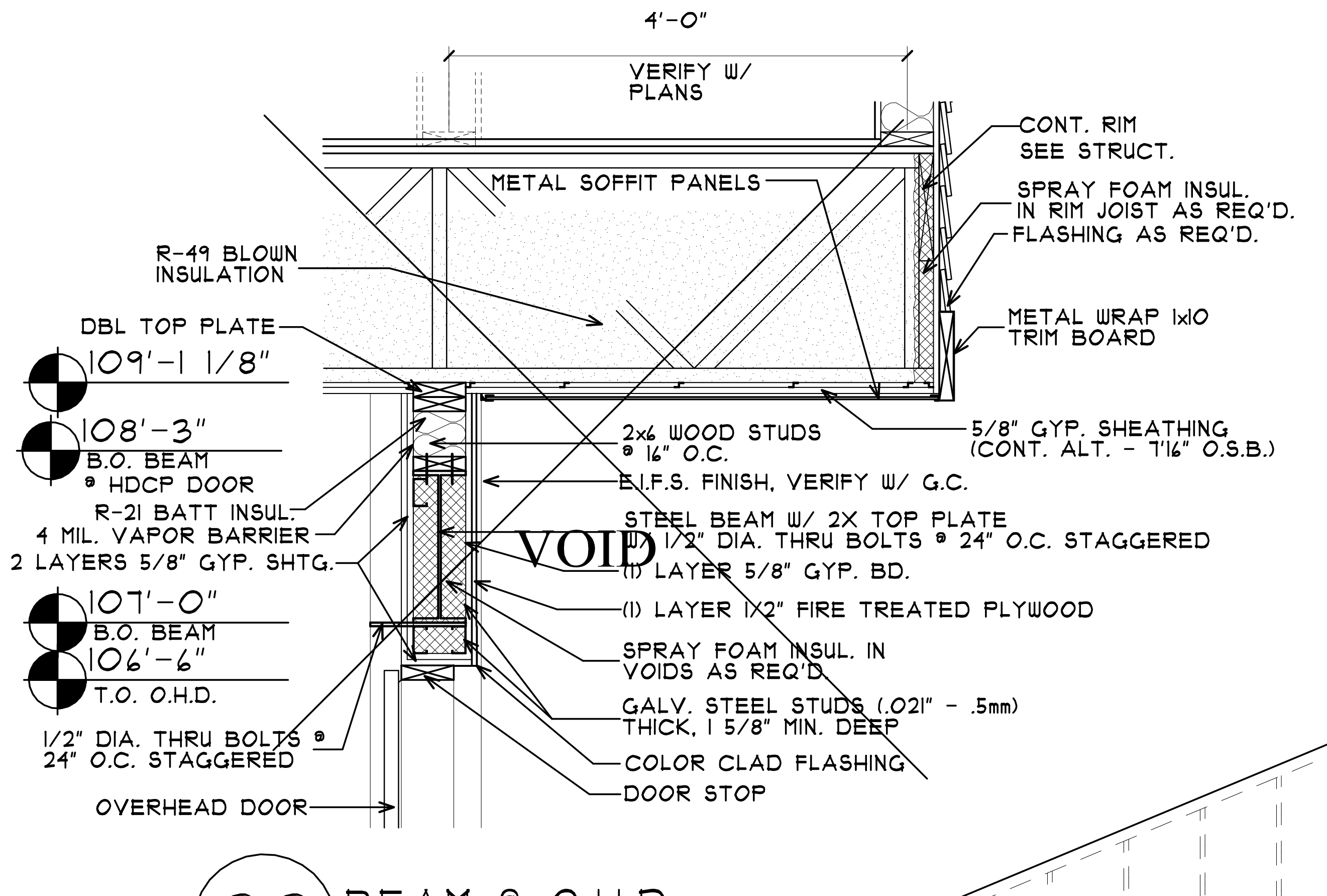
SCALE: 1/2 = 1'-0"


BUILDING WRAP
1/2" WOOD STRUCTURAL PANELS
HORIZONTAL LAP SIDING (SEE ELEVATIONS)
SEE STRUCT.
ALL WOOD IN CONTACT W/ CONCRETE TO BE PRESSURE TREATED
4" CONC. PATIO SLOPE AWAY FROM BLDG. W/ THICKENED EDGE
VOID
6" CMU GROUT SOLID
GRADE VERIFY W/ CIVIL DRAWINGS
6" GRANULAR FILL ON COMPACTED BASE
2x6 WOOD STUDS @ 16" O.C.
R-19 INSULATION
5/8" GYP. BD. w/ 4 MIL. VAPOR BARRIER
1/2" ISOLATION JOINT
4" POURED CONC. SLAB REINFORCED AS REQ'D. SEE STRUCT.
10 MIL. VAPOR BARRIER
6" GRANULAR FILL ON COMPACTED BASE
R-5 THERMAL BREAK
8" BOND BEAM - SEE STRUCT.
8" CONCRETE BLOCK FOUNDATION SEE STRUCT.
R-10 MIN. RIGID INSULATION FROM BOTTOM OF SLAB TO TOP OF FOOTING

31 ALTERNATE PATIO SECTION @ SLAB ON GRADE

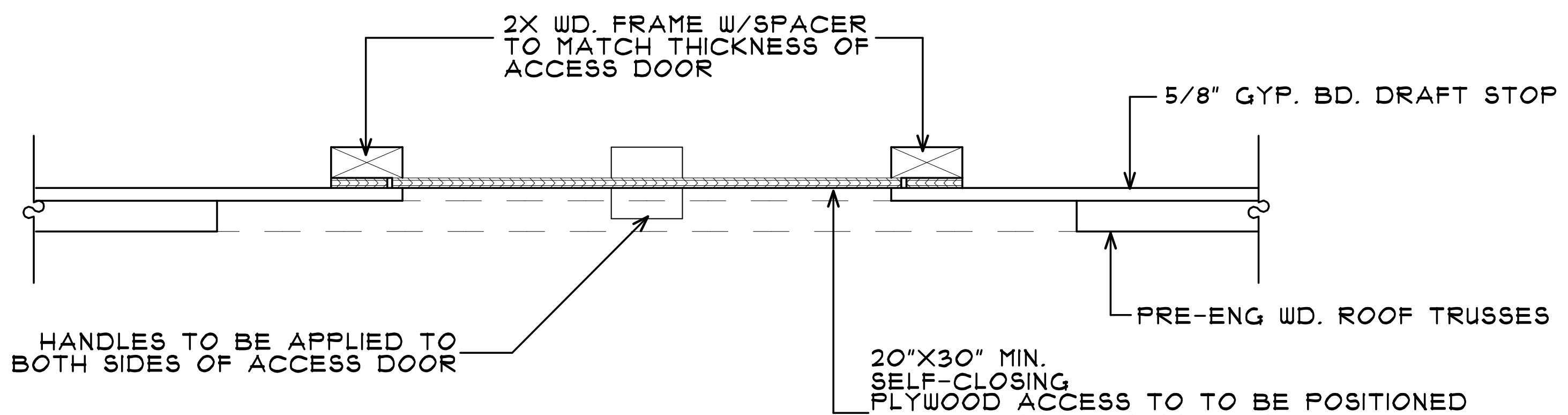
SCALE: 1/2" = 1'-0"

(SEE 1/23)


4'-0"
VERIFY W/ PLANS
CONT. RIM SEE STRUCT.
SPRAY FOAM INSUL. IN RIM JOIST AS REQ'D.
FLASHING AS REQ'D.
METAL SOFFIT PANELS
R-49 BLOWN INSULATION
METAL WRAP 1x10 TRIM BOARD
DBL TOP PLATE
109'-1 1/8"
108'-3"
B.O. BEAM @ HDCP DOOR
R-21 BATT INSUL.
4 MIL. VAPOR BARRIER
2 LAYERS 5/8" GYP. SHTG.
107'-0"
B.O. BEAM
106'-6"
T.O. O.H.D.
1/2" DIA. THRU BOLTS @ 24" O.C. STAGGERED
OVERHEAD DOOR
5/8" GYP. SHEATHING (CONT. ALT. - 7/16" O.S.B.)
2x6 WOOD STUDS @ 16" O.C.
E.I.F.S. FINISH, VERIFY W/ G.C.
STEEL BEAM W/ 2X TOP PLATE W/ 1/2" DIA. THRU BOLTS @ 24" O.C. STAGGERED
VOID
(1) LAYER 5/8" GYP. BD.
(1) LAYER 1/2" FIRE TREATED PLYWOOD
SPRAY FOAM INSUL. IN VOIDS AS REQ'D.
GALV. STEEL STUDS (.021" - .5mm) THICK, 1 5/8" MIN. DEEP
COLOR CLAD FLASHING
DOOR STOP

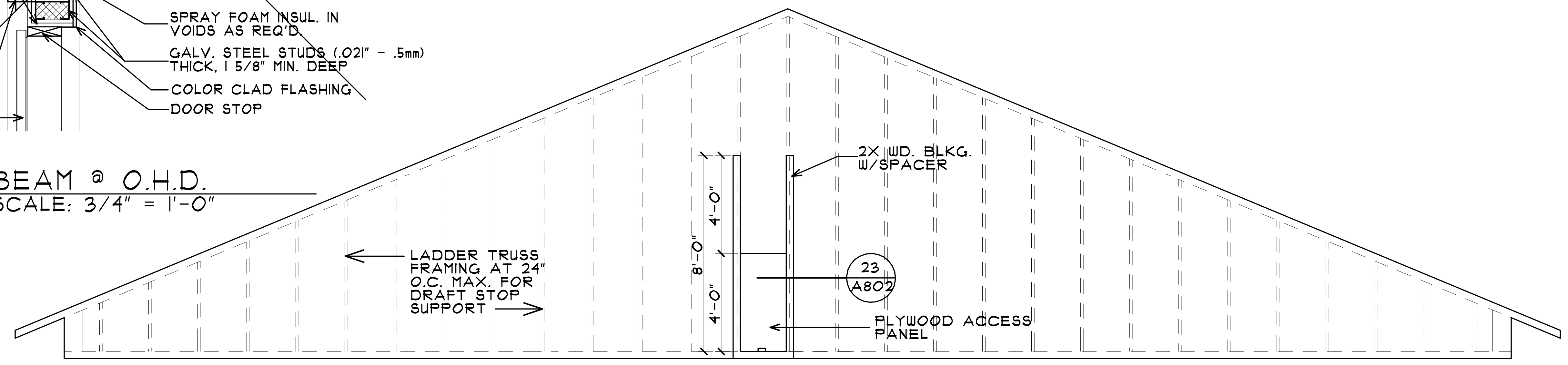
22 BEAM @ O.H.D.

SCALE: 3/4" = 1'-0"


2X WD. FRAME W/SPACER TO MATCH THICKNESS OF ACCESS DOOR
5/8" GYP. BD. DRAFT STOP
HANDLES TO BE APPLIED TO BOTH SIDES OF ACCESS DOOR
PRE-ENG WD. ROOF TRUSSES
20"X30" MIN. SELF-CLOSING PLYWOOD ACCESS TO TO BE POSITIONED BETWEEN ROOF TRUSS WEBS

23 DETAIL OF ACCESS DOOR

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

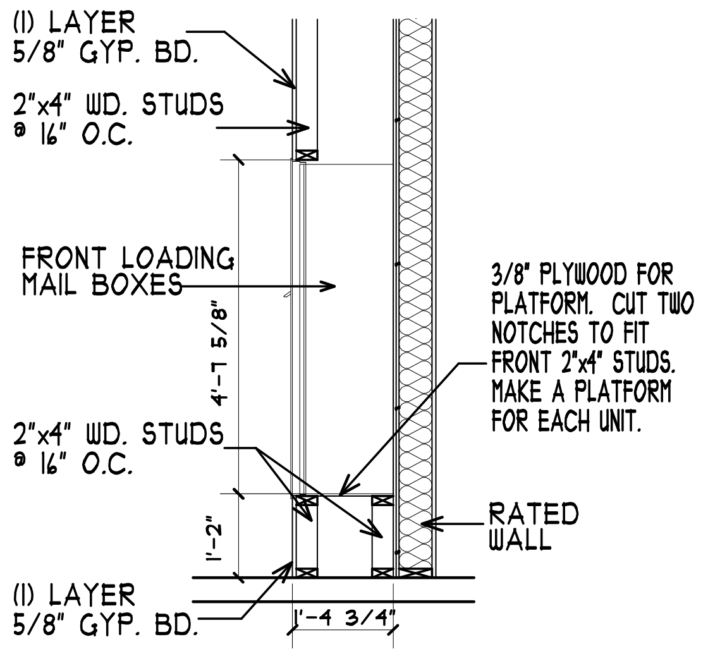

LADDER TRUSS FRAMING AT 24" O.C. MAX. FOR DRAFT STOP SUPPORT
2X WD. BLKG. W/SPACER
4'-0"
8'-0"
4'-0"
23
A802
PLYWOOD ACCESS PANEL

24 SELF CLOSING ACCESS DOOR ELEVATION

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

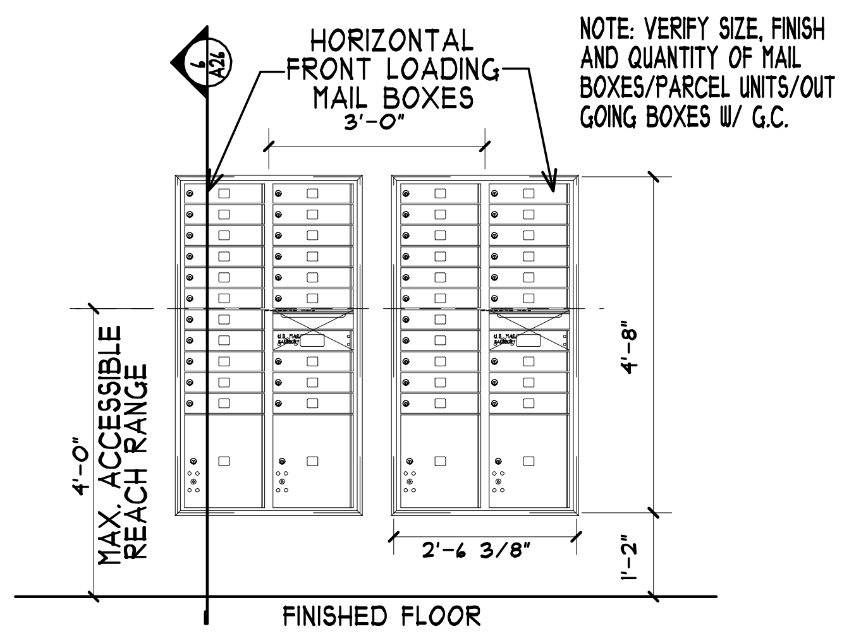
INSTALLATION REQUIREMENTS PER USPS STD-4C

1. AT LEAST ONE CUSTOMER MAILBOX COMPARTMENT SHALL BE POSITIONED LESS THAN 48" ABOVE FINISHED FLOOR (AFF).
2. NO PARCEL LOCKER COMPARTMENT (INTERIOR BOTTOM SHELF) SHALL BE POSITIONED LESS THAN 15" AFF.
3. NO CUSTOMER MAILBOX LOCK SHALL BE LOCATED MORE THAN 67" AFF.
4. NO CUSTOMER MAILBOX COMPARTMENT (INTERIOR BOTTOM SHELF) SHALL BE POSITIONED LESS THAN 28" AFF.
5. THE USPS ARROW LOCK IN THE CARRIER ACCESS DOOR SHALL BE LOCATED BETWEEN 36" AND 48" AFF.


(1) LAYER 5/8" GYP. BD.
2"x4" WD. STUDS @ 16" O.C.
FRONT LOADING MAIL BOXES
4'-7 5/8"
3/8" PLYWOOD FOR PLATFORM. CUT TWO NOTCHES TO FIT FRONT 2"x4" STUDS. MAKE A PLATFORM FOR EACH UNIT.
2"x4" WD. STUDS @ 16" O.C.
1'-2"
RATED WALL
(1) LAYER 5/8" GYP. BD.
1'-4 3/4"

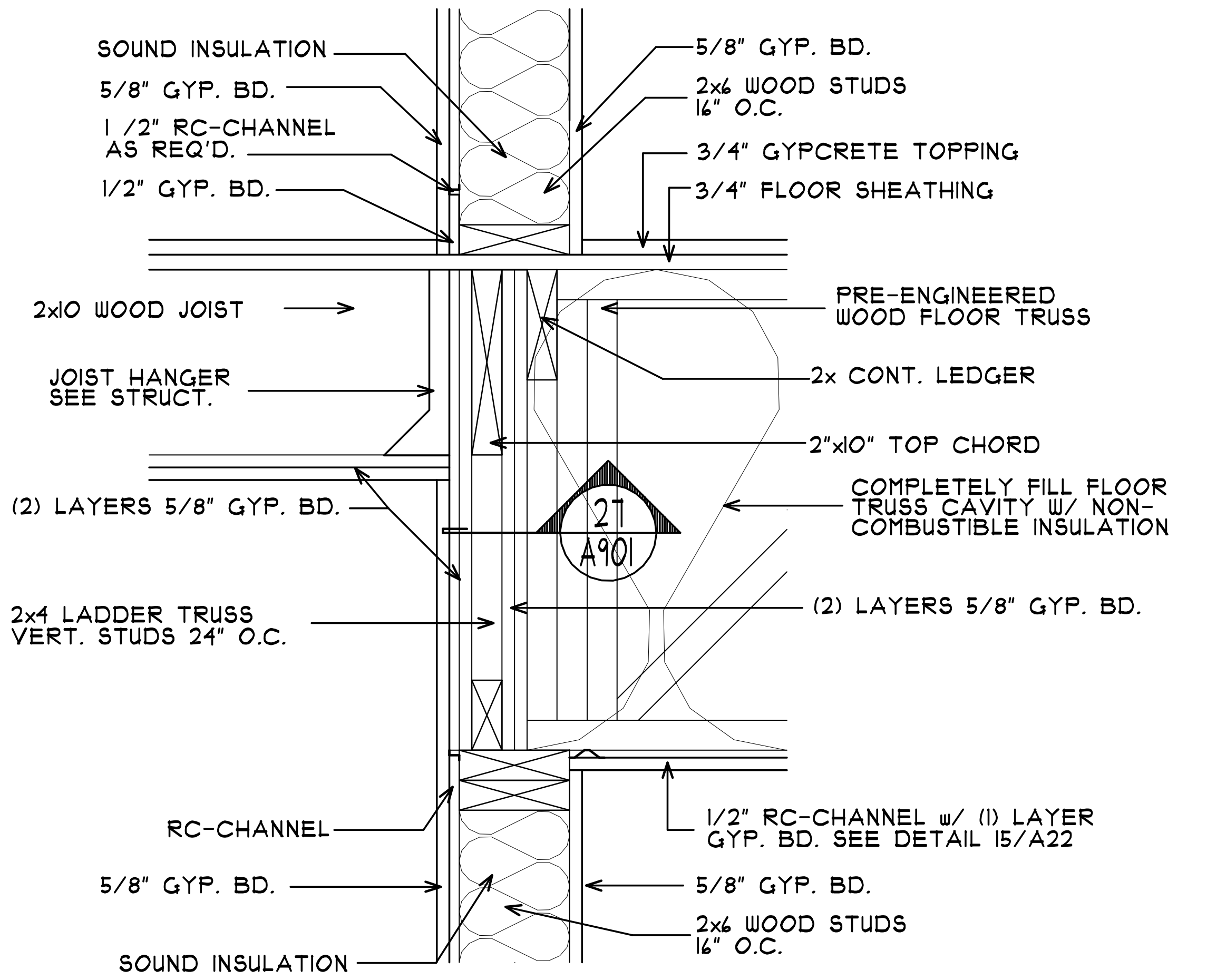
28 MAILBOX SECTION

SCALE: 3/8" = 1'-0"


6
A26
HORIZONTAL FRONT LOADING MAIL BOXES
3'-0"
NOTE: VERIFY SIZE, FINISH AND QUANTITY OF MAIL BOXES/PARCEL UNITS/OUT GOING BOXES W/ G.C.
4'-8"
4'-0" MAX. ACCESSIBLE REACH RANGE
2'-6 3/8"
1'-2"
FINISHED FLOOR

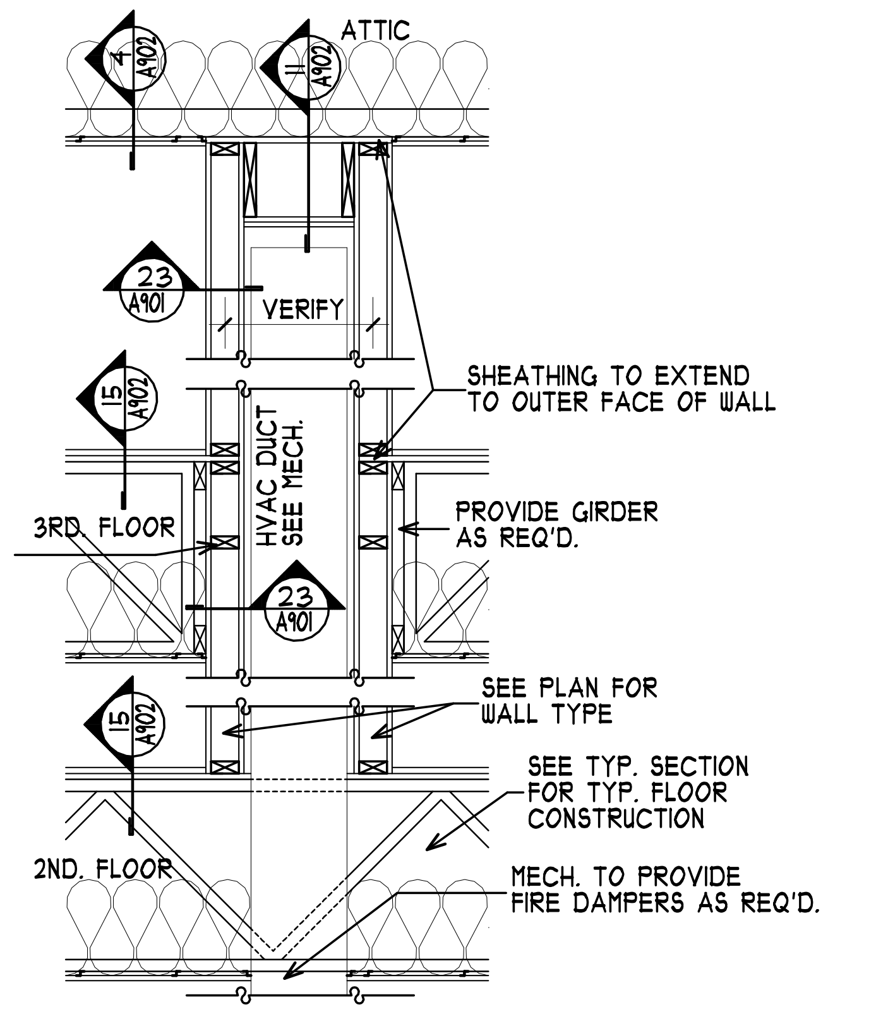
29 MAILBOX ELEVATION

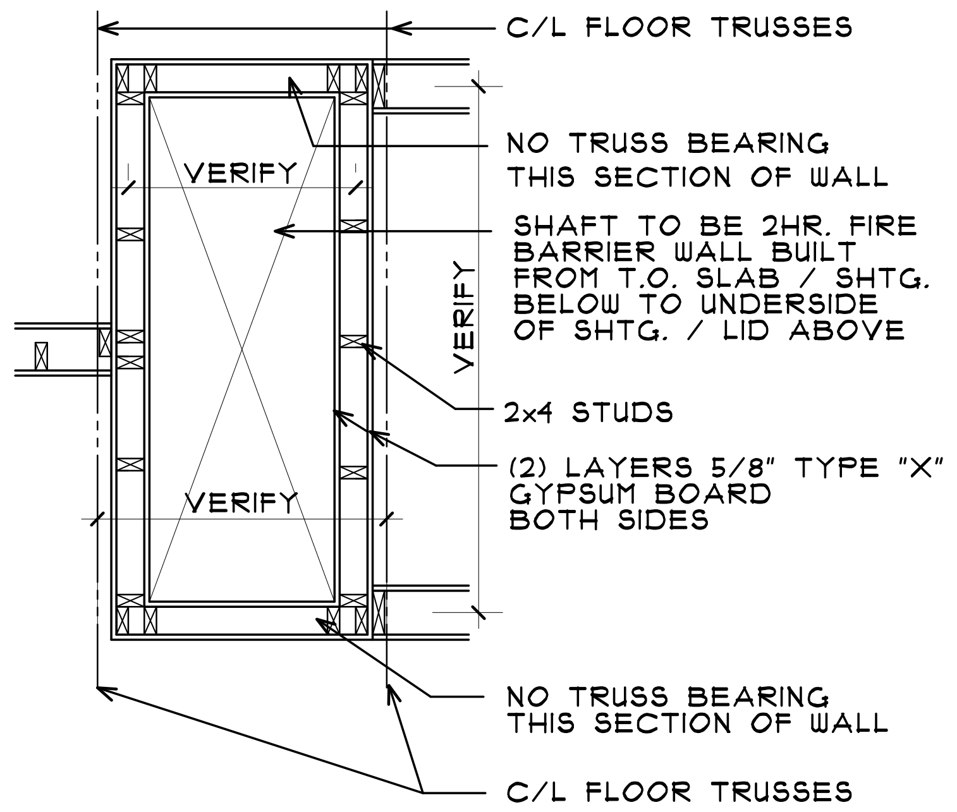
SCALE: 3/8" = 1'-0"

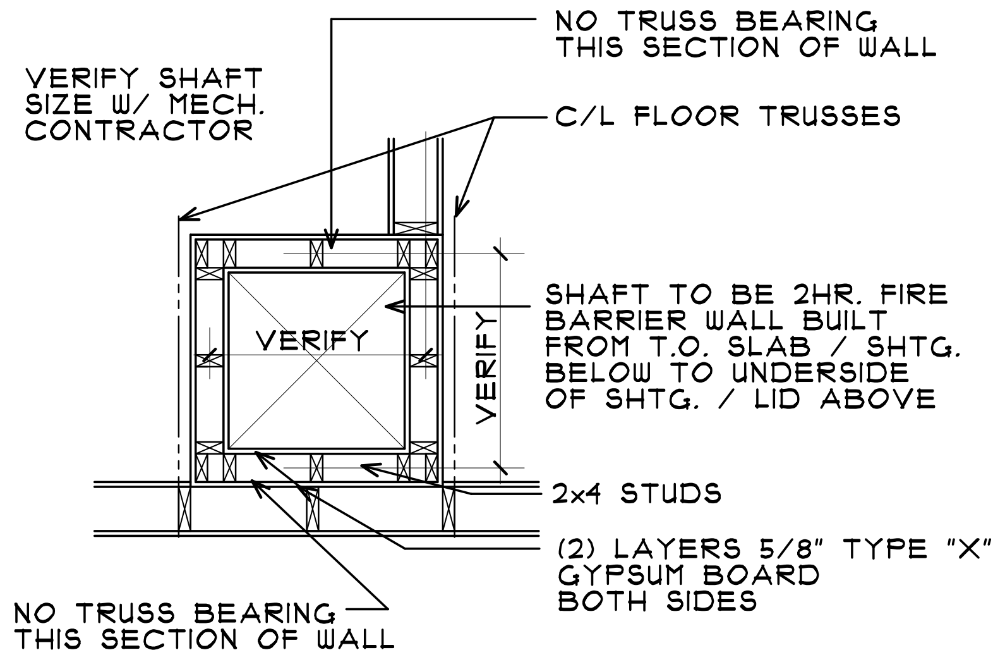

SOUND INSULATION
5/8" GYP. BD.
1/2" RC-CHANNEL AS REQ'D.
1/2" GYP. BD.
5/8" GYP. BD.
2x6 WOOD STUDS 16" O.C.
3/4" GYPCRETE TOPPING
3/4" FLOOR SHEATHING
2x10 WOOD JOIST
PRE-ENGINEERED WOOD FLOOR TRUSS
JOIST HANGER SEE STRUCT.
2x CONT. LEDGER
2"x10" TOP CHORD
(2) LAYERS 5/8" GYP. BD.
COMPLETELY FILL FLOOR TRUSS CAVITY W/ NON-COMBUSTIBLE INSULATION
27
A901
2x4 LADDER TRUSS VERT. STUDS 24" O.C.
(2) LAYERS 5/8" GYP. BD.
RC-CHANNEL
1/2" RC-CHANNEL w/ (1) LAYER GYP. BD. SEE DETAIL 15/A22
5/8" GYP. BD.
5/8" GYP. BD.
2x6 WOOD STUDS 16" O.C.
SOUND INSULATION

32 1 HR. FIRE BARRIER DET.

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


4
A902
11
A902
ATTIC
23
A901
VERIFY
SHEATHING TO EXTEND TO OUTER FACE OF WALL
15
A902
3RD. FLOOR
HVAC DUCT SEE MECH.
PROVIDE GIRDER AS REQ'D.
23
A901
SEE PLAN FOR WALL TYPE
15
A902
SEE TYP. SECTION FOR TYP. FLOOR CONSTRUCTION
2ND. FLOOR
MECH. TO PROVIDE FIRE DAMPERS AS REQ'D.


C/L FLOOR TRUSSES
NO TRUSS BEARING THIS SECTION OF WALL
VERIFY
SHAFT TO BE 2HR. FIRE BARRIER WALL BUILT FROM T.O. SLAB / SHTG. BELOW TO UNDERSIDE OF SHTG. / LID ABOVE
VERIFY
2x4 STUDS
(2) LAYERS 5/8" TYPE "X" GYPSUM BOARD BOTH SIDES
VERIFY
NO TRUSS BEARING THIS SECTION OF WALL
C/L FLOOR TRUSSES


NO TRUSS BEARING THIS SECTION OF WALL
VERIFY SHAFT SIZE W/ MECH. CONTRACTOR
C/L FLOOR TRUSSES
VERIFY
VERIFY
SHAFT TO BE 2HR. FIRE BARRIER WALL BUILT FROM T.O. SLAB / SHTG. BELOW TO UNDERSIDE OF SHTG. / LID ABOVE
2x4 STUDS
(2) LAYERS 5/8" TYPE "X" GYPSUM BOARD BOTH SIDES
NO TRUSS BEARING THIS SECTION OF WALL

33 MECH. CHASE DET.

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

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www.colegrouparchitects.com

These documents are not valid for building permit unless signed in ink and over sealed. Copies are not valid.

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of MINNESOTA

Date 10-4-18 # 22288

Name NORMAN E. COLE Signature

DEVELOPER:
KELLER/BAARTMAN PROPERTIES
RED WING, MN
(651) 388-0000

PROPOSED 108 UNIT:
PARK PLACE APARTMENTS
RED WING, MN

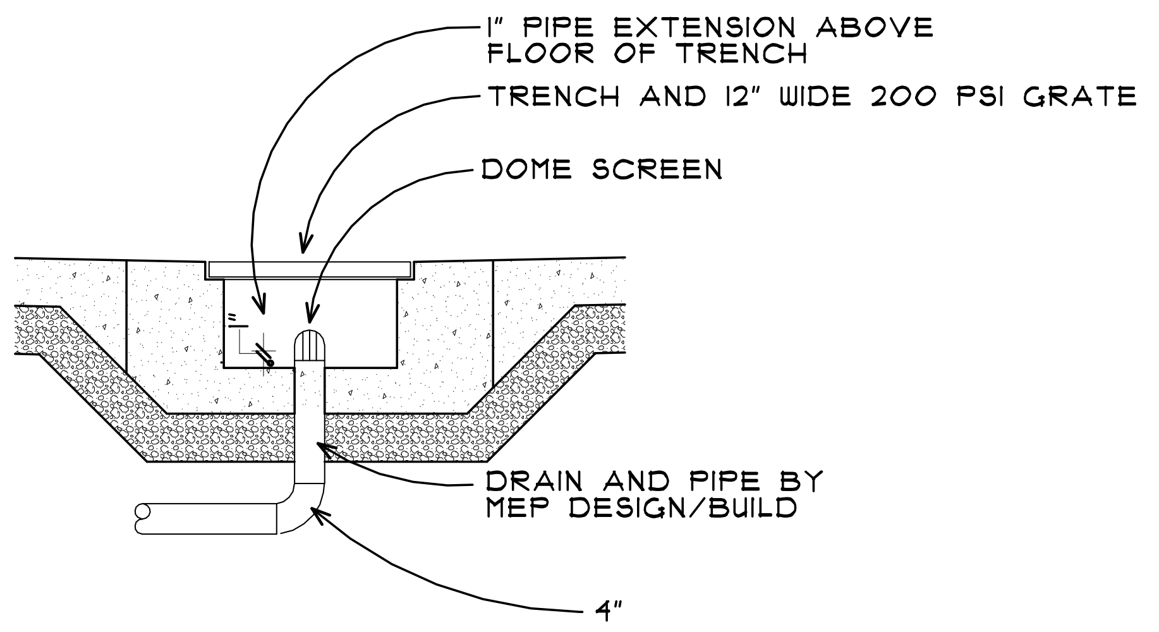
REVISIONS	COMMENTS

REVISIONS	COMMENTS

Project No.
18011
Submittal Date:
10-4-18
Document Set:
PERMIT SET

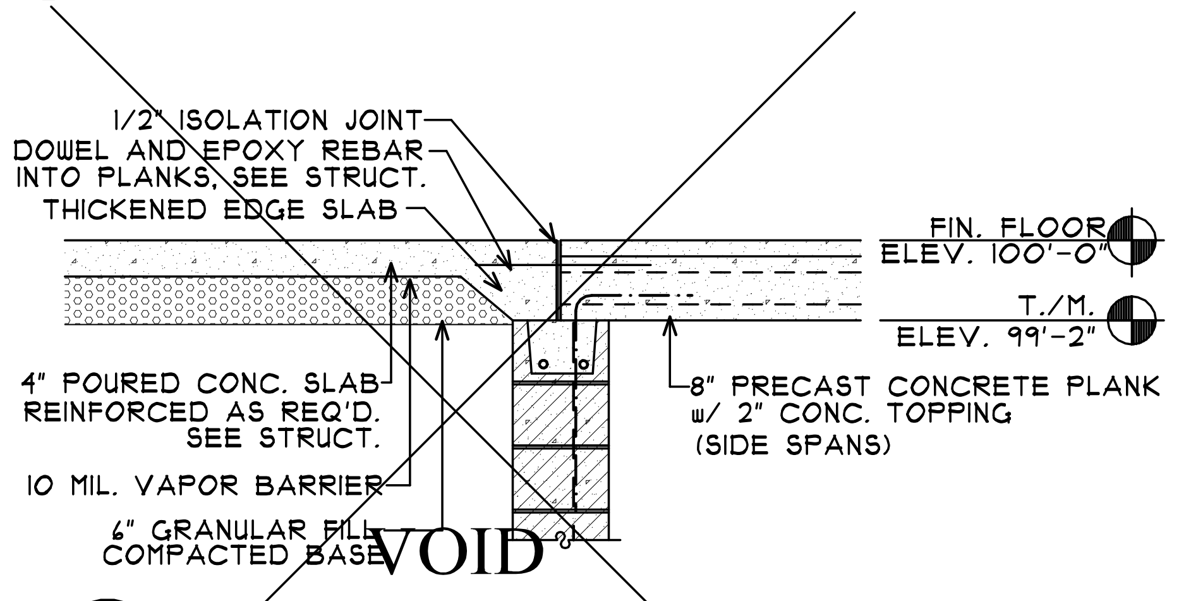
A802

PLOTTED: 10-4-18 FILE: 18011DET COM: 4


1" PIPE EXTENSION ABOVE FLOOR OF TRENCH
TRENCH AND 12" WIDE 200 PSI GRATE
DOME SCREEN
DRAIN AND PIPE BY MEP DESIGN/BUILD
4"

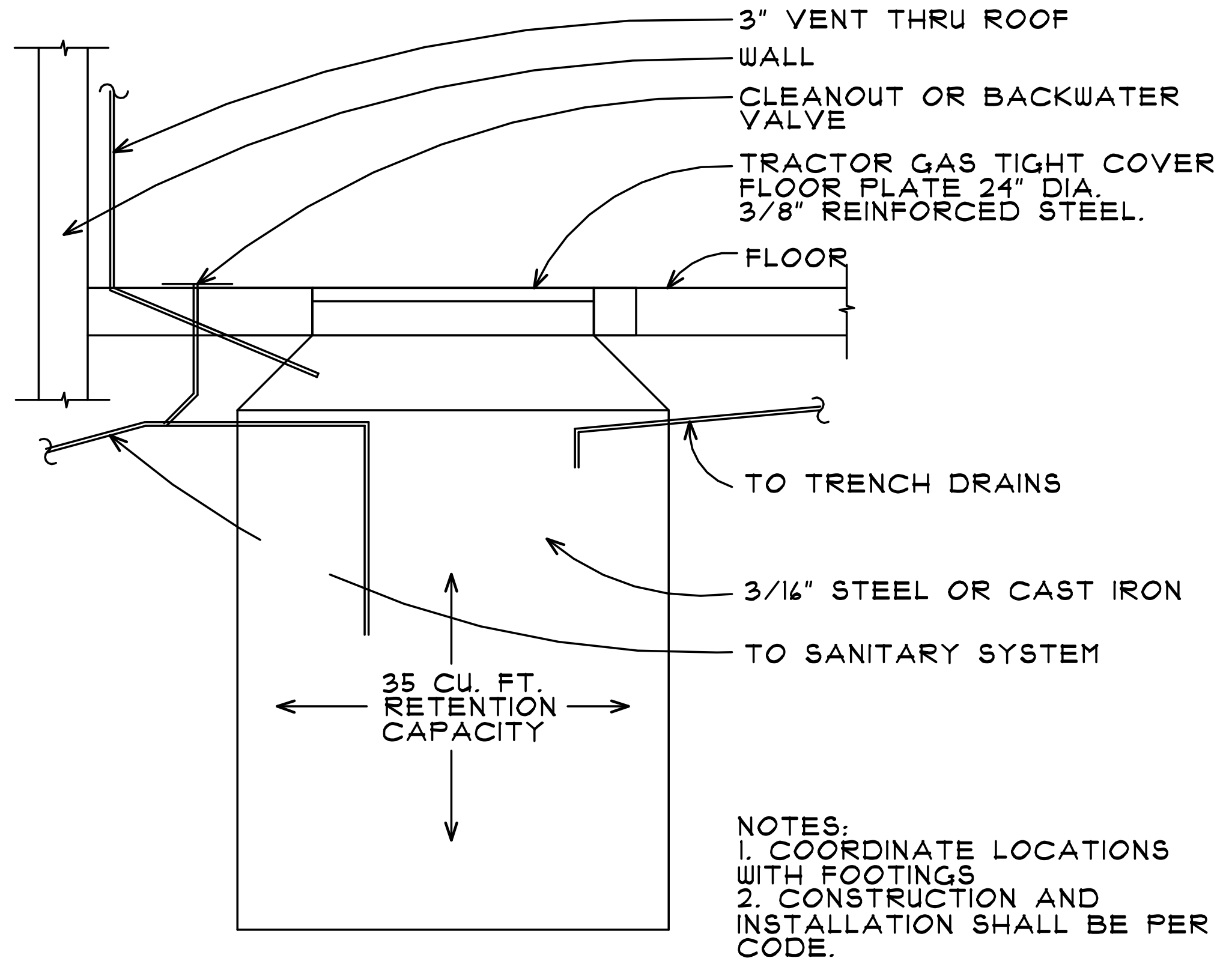
35 TRENCH DRAIN DETAIL

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


1/2" ISOLATION JOINT
DOWEL AND EPOXY REBAR INTO PLANKS, SEE STRUCT.
THICKENED EDGE SLAB
FIN. FLOOR ELEV. 100'-0"
T./M. ELEV. 99'-2"
4" POURED CONC. SLAB REINFORCED AS REQ'D. SEE STRUCT.
10 MIL. VAPOR BARRIER
6" GRANULAR FILL COMPACTED BASE
8" PRECAST CONCRETE PLANK w/ 2" CONC. TOPPING (SIDE SPANS)
VOID

39 S.O.G./PRECAST CONNECTION

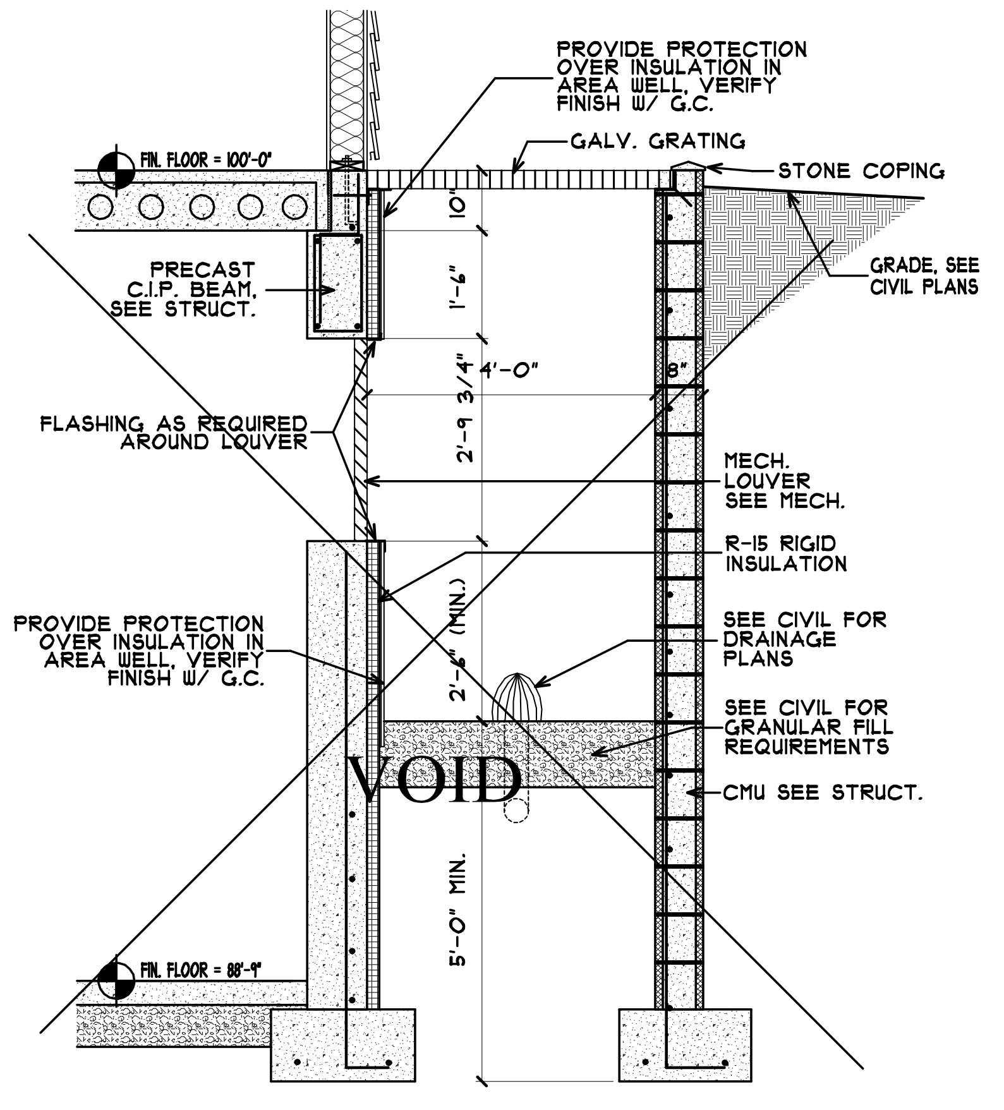
SCALE: 1/2" = 1'-0"


3" VENT THRU ROOF
WALL
CLEANOUT OR BACKWATER VALVE
TRACTOR GAS TIGHT COVER FLOOR PLATE 24" DIA. 3/8" REINFORCED STEEL.
FLOOR
TO TRENCH DRAINS
3/16" STEEL OR CAST IRON
TO SANITARY SYSTEM
35 CU. FT. RETENTION CAPACITY

NOTES:
1. COORDINATE LOCATIONS WITH FOOTINGS
2. CONSTRUCTION AND INSTALLATION SHALL BE PER CODE.

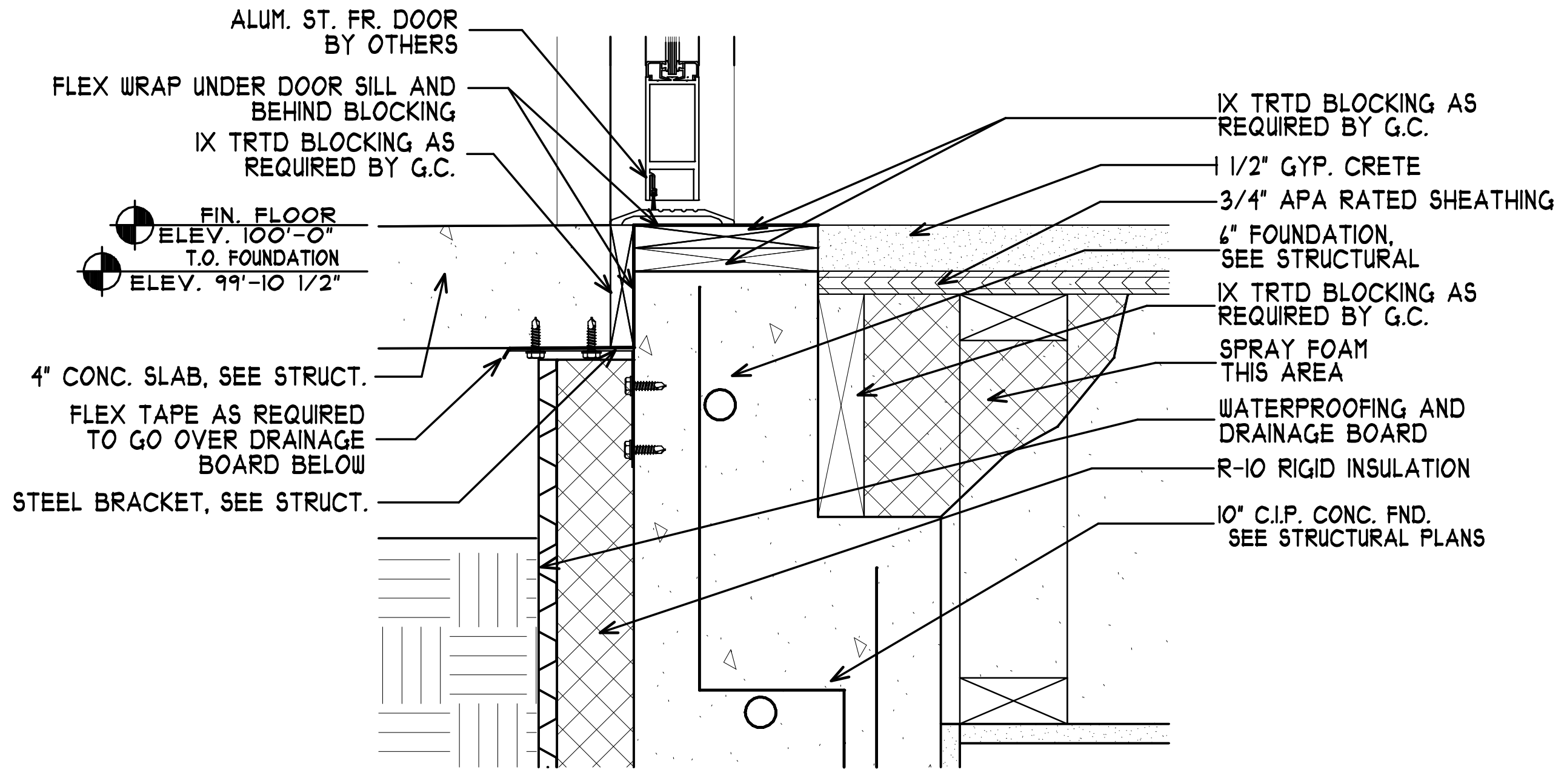
36 INFLAMMABLE WASTE TRAP

NO SCALE


PROVIDE PROTECTION OVER INSULATION IN AREA WELL, VERIFY FINISH W/ G.C.
GALV. GRATING
STONE COPING
FIN. FLOOR = 100'-0"
PRECAST C.I.P. BEAM, SEE STRUCT.
GRADE, SEE CIVIL PLANS
10"
1'-6"
2'-9 3/4"
4'-0"
8"
FLASHING AS REQUIRED AROUND LOUVER
MECH. LOUVER SEE MECH.
R-15 RIGID INSULATION
PROVIDE PROTECTION OVER INSULATION IN AREA WELL, VERIFY FINISH W/ G.C.
SEE CIVIL FOR DRAINAGE PLANS
2'-6" (MIN.)
SEE CIVIL FOR GRANULAR FILL REQUIREMENTS
CMU SEE STRUCT.
VOID
5'-0" MIN.
FIN. FLOOR = 88'-9"

37 AREA WELL SECTION

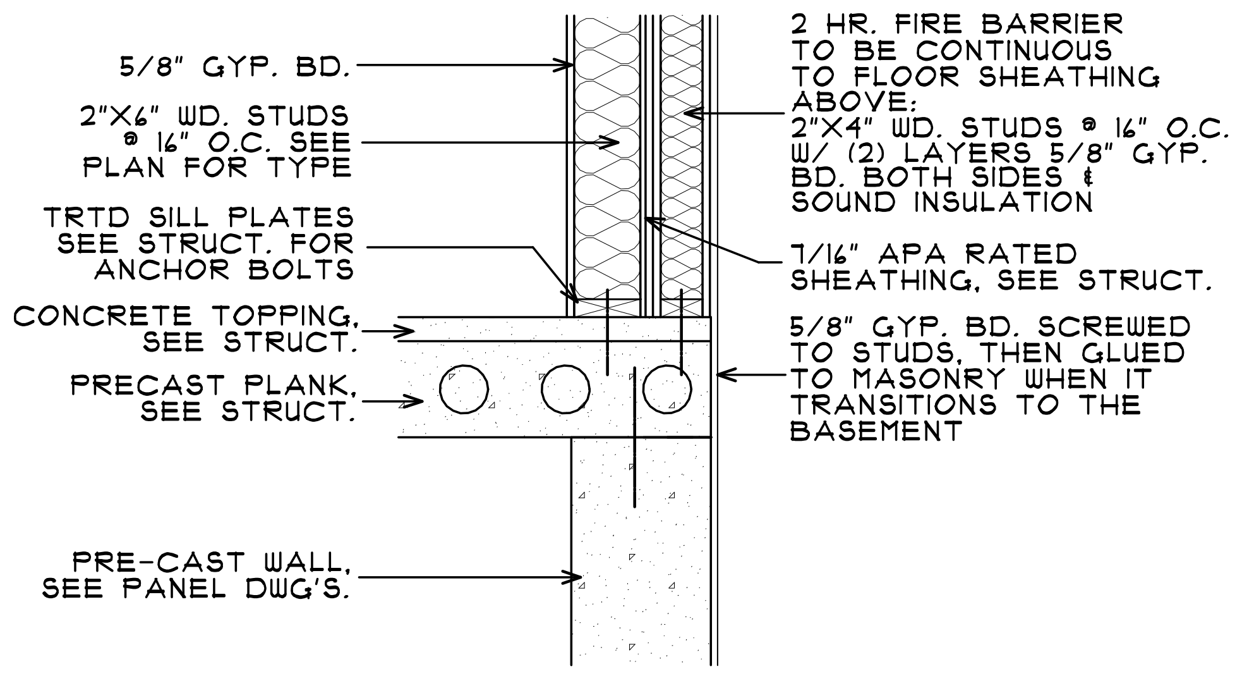
SCALE 3/8" = 1'-0"


ALUM. ST. FR. DOOR BY OTHERS
FLEX WRAP UNDER DOOR SILL AND BEHIND BLOCKING
1X TRTD BLOCKING AS REQUIRED BY G.C.
FIN. FLOOR ELEV. 100'-0"
T.O. FOUNDATION ELEV. 99'-10 1/2"
4" CONC. SLAB, SEE STRUCT.
FLEX TAPE AS REQUIRED TO GO OVER DRAINAGE BOARD BELOW
STEEL BRACKET, SEE STRUCT.
1X TRTD BLOCKING AS REQUIRED BY G.C.
1 1/2" GYP. CRETE
3/4" APA RATED SHEATHING
6" FOUNDATION, SEE STRUCTURAL
1X TRTD BLOCKING AS REQUIRED BY G.C.
SPRAY FOAM THIS AREA
WATERPROOFING AND DRAINAGE BOARD
R-10 RIGID INSULATION
10" C.I.P. CONC. FND. SEE STRUCTURAL PLANS

38 STOOP DETAIL @ STAIR LANDING

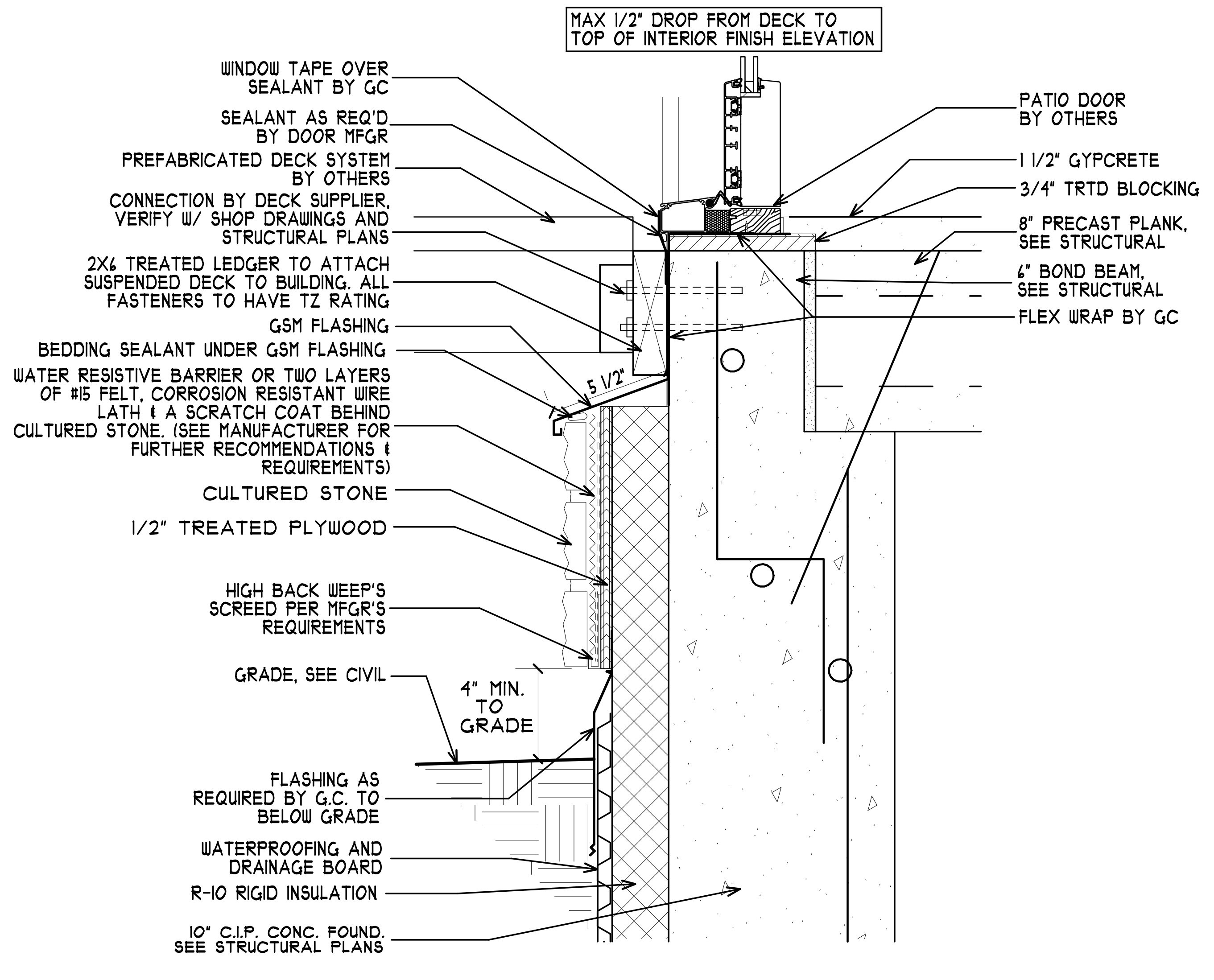
SCALE: 2" = 1'-0"

NOTE: SEE PLAN FOR WALL TYPE, ADJUST WALL AS REQ'D SO THE GYPSUM BOARD REMAINS FLUSH WHEN TRANSITIONING. VERIFY W/ STRUCT. FOR SHEATHING.


5/8" GYP. BD.
2"X6" WD. STUDS @ 16" O.C. SEE PLAN FOR TYPE
TRTD SILL PLATES SEE STRUCT. FOR ANCHOR BOLTS
CONCRETE TOPPING, SEE STRUCT.
PRECAST PLANK, SEE STRUCT.
PRE-CAST WALL, SEE PANEL DWG'S.
2 HR. FIRE BARRIER TO BE CONTINUOUS TO FLOOR SHEATHING ABOVE: 2"X4" WD. STUDS @ 16" O.C. W/ (2) LAYERS 5/8" GYP. BD. BOTH SIDES & SOUND INSULATION
7/16" APA RATED SHEATHING, SEE STRUCT.
5/8" GYP. BD. SCREWED TO STUDS, THEN GLUED TO MASONRY WHEN IT TRANSITIONS TO THE BASEMENT

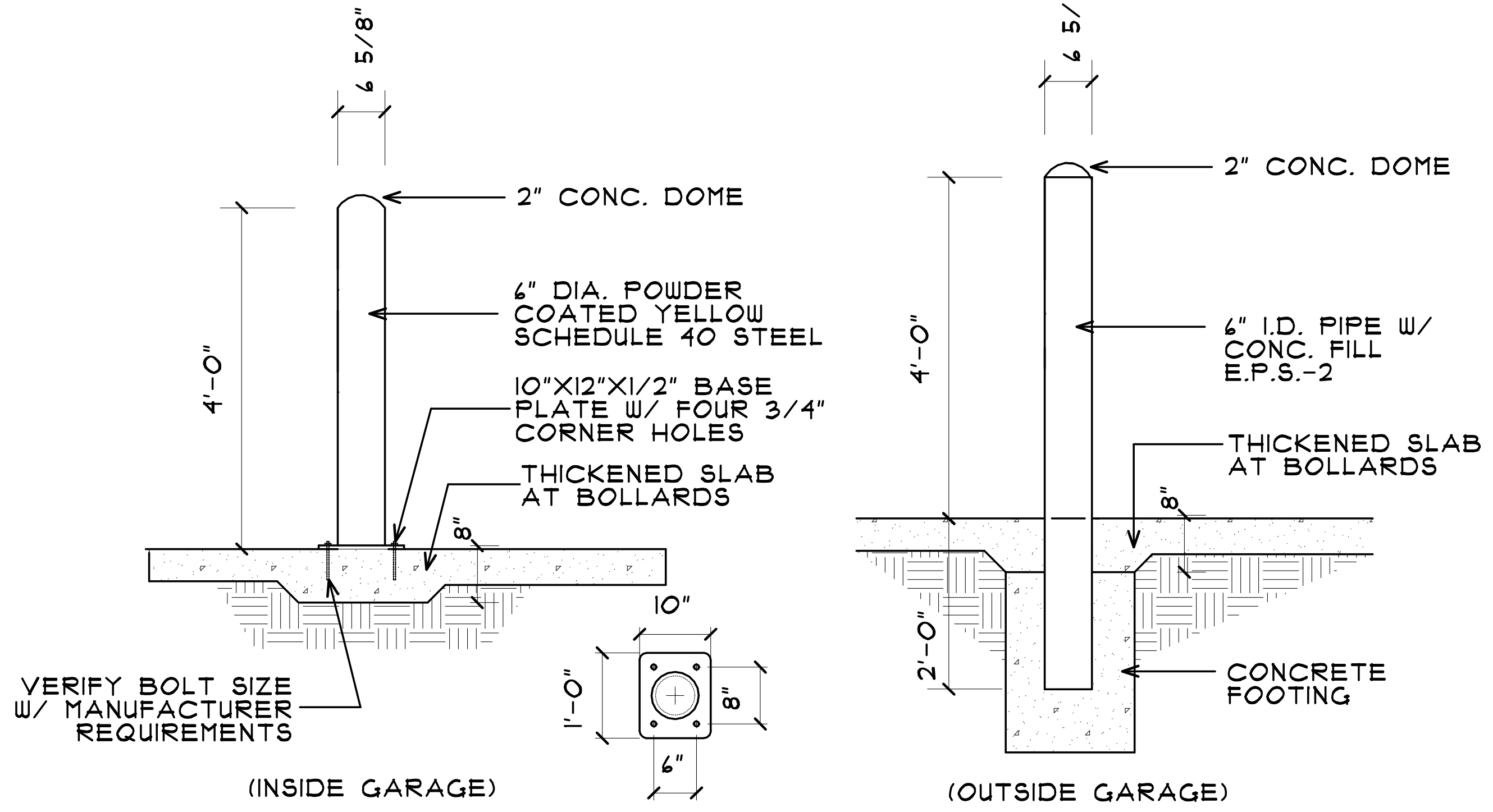
40 GYP. BD. TRANSITION

SCALE: 3/4" = 1'-0"


MAX 1/2" DROP FROM DECK TO TOP OF INTERIOR FINISH ELEVATION
WINDOW TAPE OVER SEALANT BY GC
SEALANT AS REQ'D BY DOOR MFGR
PREFABRICATED DECK SYSTEM BY OTHERS
CONNECTION BY DECK SUPPLIER, VERIFY W/ SHOP DRAWINGS AND STRUCTURAL PLANS
2X6 TREATED LEDGER TO ATTACH SUSPENDED DECK TO BUILDING. ALL FASTENERS TO HAVE TZ RATING
GSM FLASHING
BEDDING SEALANT UNDER GSM FLASHING
WATER RESISTIVE BARRIER OR TWO LAYERS OF #15 FELT, CORROSION RESISTANT WIRE LATH & A SCRATCH COAT BEHIND CULTURED STONE. (SEE MANUFACTURER FOR FURTHER RECOMMENDATIONS & REQUIREMENTS)
CULTURED STONE
1/2" TREATED PLYWOOD
HIGH BACK WEEP'S SCREED PER MFGR'S REQUIREMENTS
GRADE, SEE CIVIL
4" MIN. TO GRADE
FLASHING AS REQUIRED BY G.C. TO BELOW GRADE
WATERPROOFING AND DRAINAGE BOARD
R-10 RIGID INSULATION
10" C.I.P. CONC. FOUND. SEE STRUCTURAL PLANS
5 1/2"
PATIO DOOR BY OTHERS
1 1/2" GYPCRETE
3/4" TRTD BLOCKING
8" PRECAST PLANK, SEE STRUCTURAL
6" BOND BEAM, SEE STRUCTURAL
FLEX WRAP BY GC

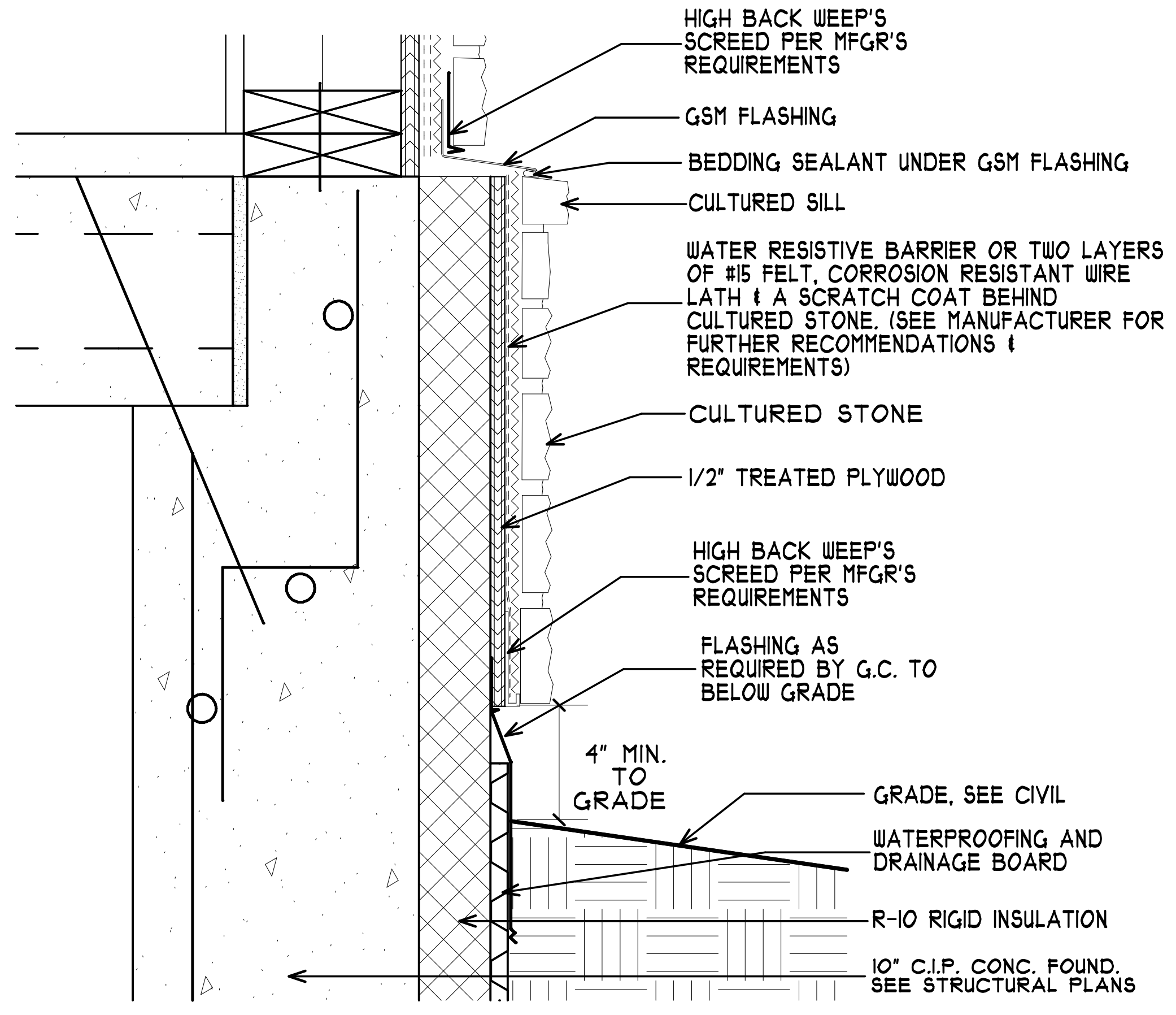
41 DECK @ PRECAST/FOUNDATION

SCALE: 2" = 1'-0"


6 5/8"
2" CONC. DOME
6" DIA. POWDER COATED YELLOW SCHEDULE 40 STEEL
4'-0"
10"X12"X1/2" BASE PLATE W/ FOUR 3/4" CORNER HOLES
THICKENED SLAB AT BOLLARDS
8"
10"
1'-0"
8"
6"
VERIFY BOLT SIZE W/ MANUFACTURER REQUIREMENTS
(INSIDE GARAGE)
6 5/8"
2" CONC. DOME
6" I.D. PIPE W/ CONC. FILL E.P.S.-2
4'-0"
THICKENED SLAB AT BOLLARDS
8"
2'-0"
CONCRETE FOOTING
(OUTSIDE GARAGE)

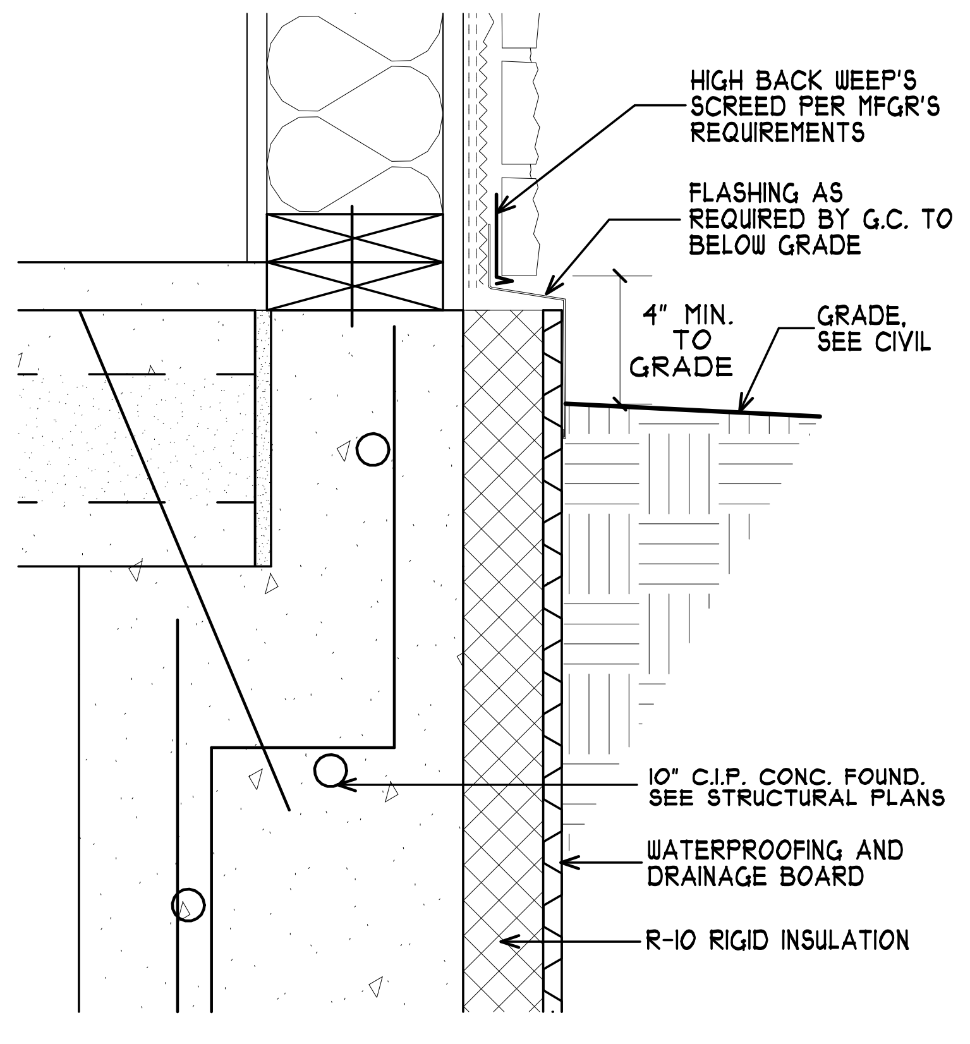
42 PIPE BOLLARD

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


HIGH BACK WEEP'S SCREED PER MFGR'S REQUIREMENTS
GSM FLASHING
BEDDING SEALANT UNDER GSM FLASHING
CULTURED SILL
WATER RESISTIVE BARRIER OR TWO LAYERS OF #15 FELT, CORROSION RESISTANT WIRE LATH & A SCRATCH COAT BEHIND CULTURED STONE. (SEE MANUFACTURER FOR FURTHER RECOMMENDATIONS & REQUIREMENTS)
CULTURED STONE
1/2" TREATED PLYWOOD
HIGH BACK WEEP'S SCREED PER MFGR'S REQUIREMENTS
FLASHING AS REQUIRED BY G.C. TO BELOW GRADE
4" MIN. TO GRADE
GRADE, SEE CIVIL
WATERPROOFING AND DRAINAGE BOARD
R-10 RIGID INSULATION
10" C.I.P. CONC. FOUND. SEE STRUCTURAL PLANS

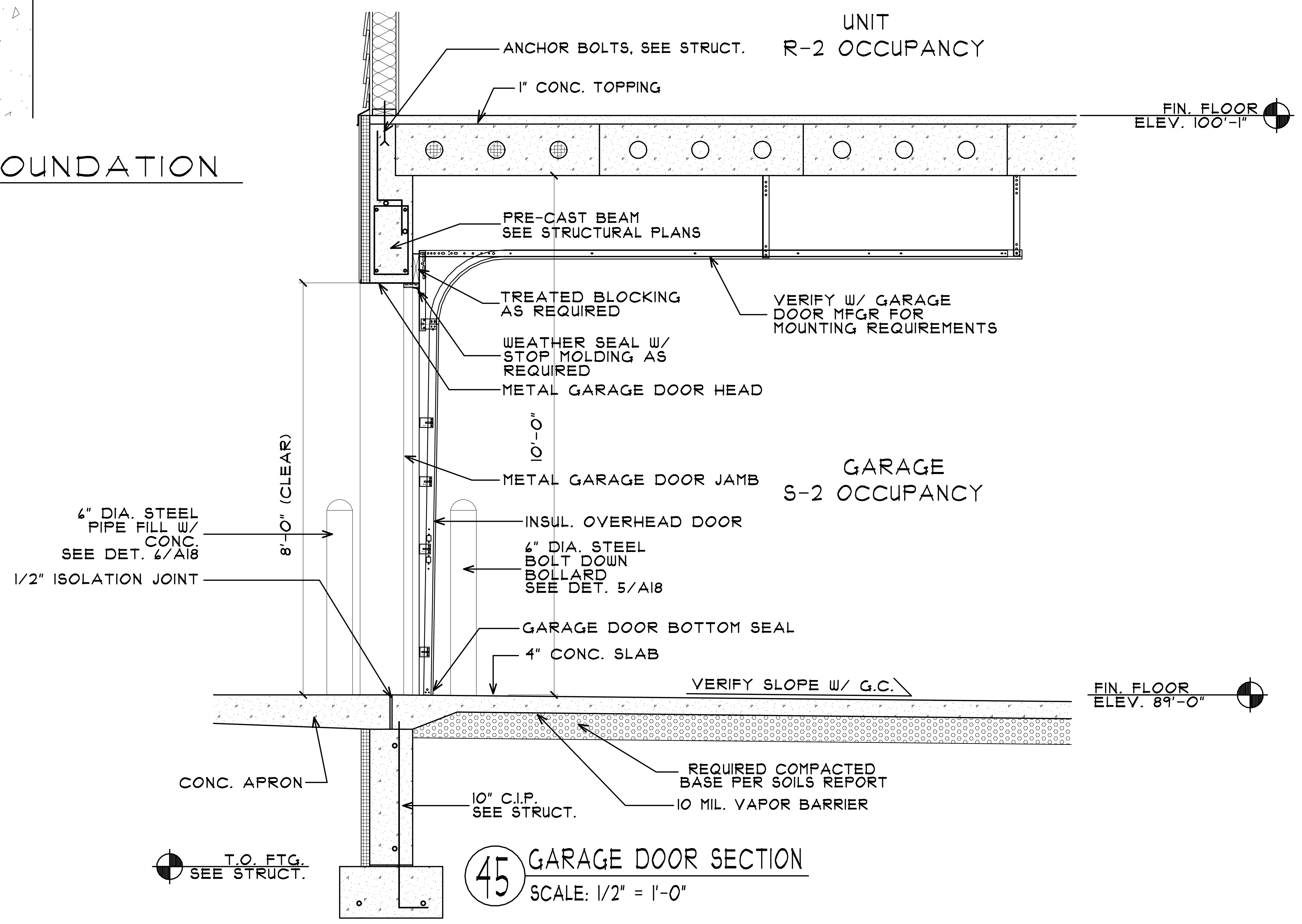
43 T.O. BLOCK DETAIL

SCALE: 2" = 1'-0"


HIGH BACK WEEP'S SCREED PER MFGR'S REQUIREMENTS
FLASHING AS REQUIRED BY G.C. TO BELOW GRADE
4" MIN. TO GRADE
GRADE, SEE CIVIL
10" C.I.P. CONC. FOUND. SEE STRUCTURAL PLANS
WATERPROOFING AND DRAINAGE BOARD
R-10 RIGID INSULATION

44 T.O. BLOCK DETAIL (ALT.)

SCALE: 2" = 1'-0"


ANCHOR BOLTS, SEE STRUCT.
UNIT R-2 OCCUPANCY
1" CONC. TOPPING
FIN. FLOOR ELEV. 100'-1"
PRE-CAST BEAM SEE STRUCTURAL PLANS
TREATED BLOCKING AS REQUIRED
VERIFY W/ GARAGE DOOR MFGR FOR MOUNTING REQUIREMENTS
WEATHER SEAL W/ STOP MOLDING AS REQUIRED
METAL GARAGE DOOR HEAD
10'-0"
8'-0" (CLEAR)
METAL GARAGE DOOR JAMB
GARAGE S-2 OCCUPANCY
6" DIA. STEEL PIPE FILL W/ CONC. SEE DET. 6/A18
INSUL. OVERHEAD DOOR
6" DIA. STEEL BOLT DOWN BOLLARD SEE DET. 5/A18
1/2" ISOLATION JOINT
GARAGE DOOR BOTTOM SEAL
4" CONC. SLAB
VERIFY SLOPE W/ G.C.
FIN. FLOOR ELEV. 89'-0"
CONC. APRON
REQUIRED COMPACTED BASE PER SOILS REPORT
10 MIL. VAPOR BARRIER
10" C.I.P. SEE STRUCT.
T.O. FTG. SEE STRUCT.

45 GARAGE DOOR SECTION

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

COLE GROUP
ARCHITECTS LLC.
216 Park Avenue South
Suite 102
Saint Cloud, MN 56301
(320) 654-6570
www.colegrouparchitects.com

These documents are not valid for building permit unless signed in ink and over sealed. Copies are not valid.
I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of MINNESOTA
Date 10-4-18 # 22288
Name NORMAN E. COLE Signature

DEVELOPER:
KELLER/BAARTMAN PROPERTIES
RED WING, MN
(651) 388-0000

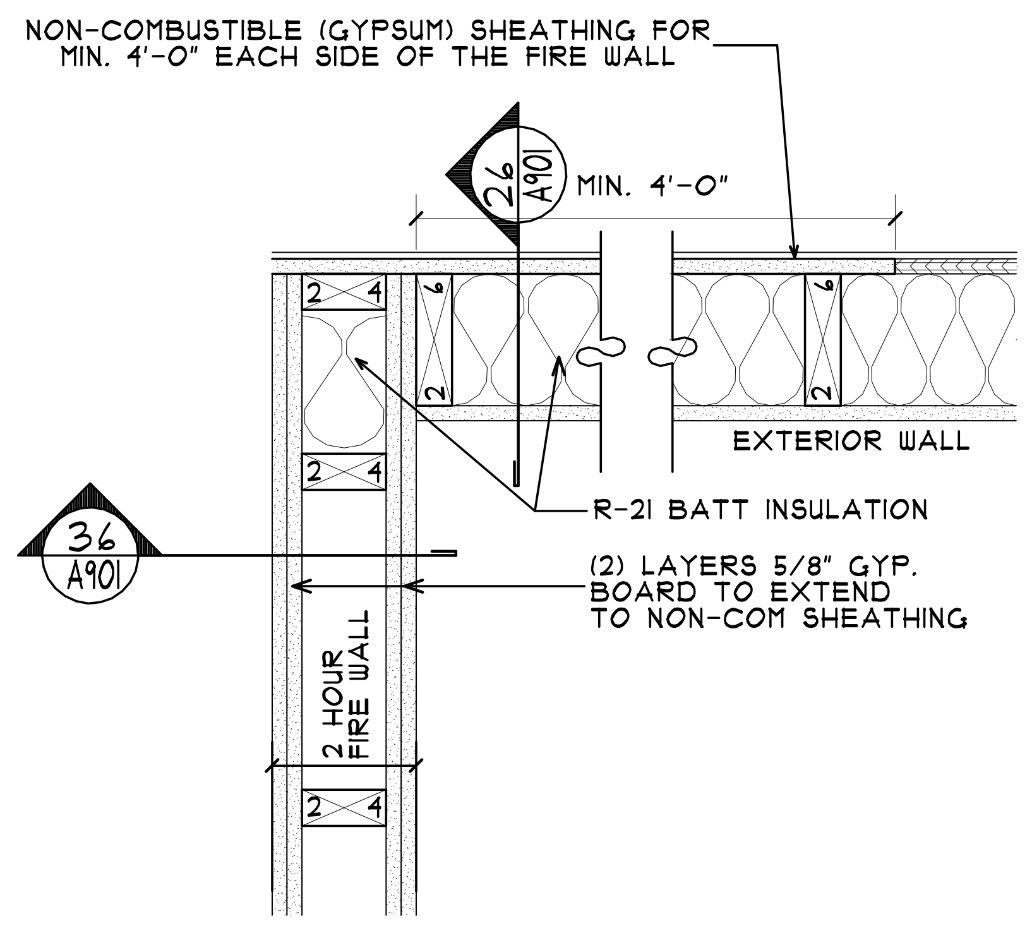
PROPOSED 108 UNIT:
PARK PLACE APARTMENTS
RED WING, MN

REVISIONS/COMMENTS	REVISIONS/COMMENTS

Project No.
18011
Submittal Date:
10-4-18
Document Set:
PERMIT SET

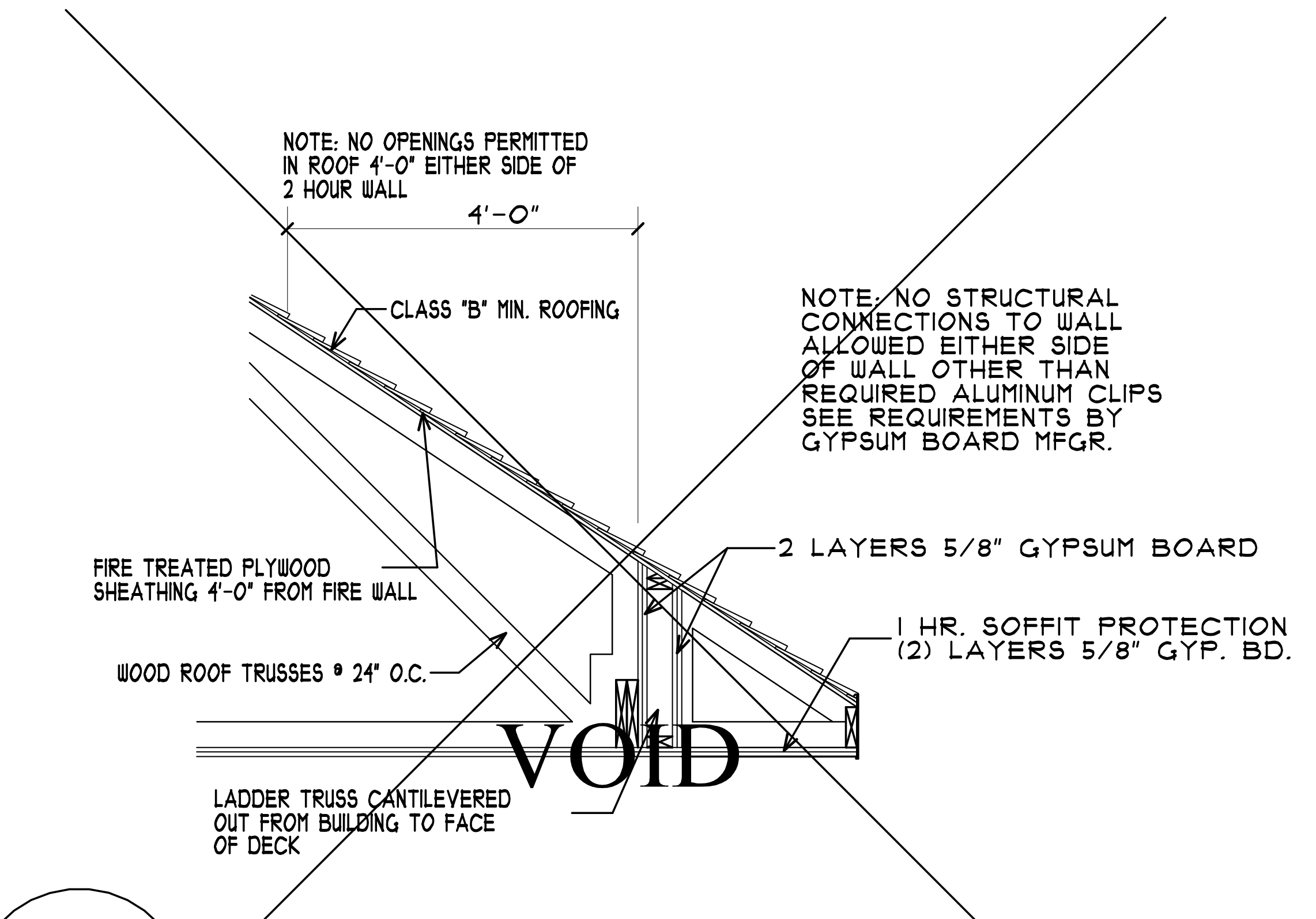
A803

PLOTTED: 10-4-18 FILE: 18011DET COM: 4


NON-COMBUSTIBLE (GYPSUM) SHEATHING FOR
MIN. 4'-0" EACH SIDE OF THE FIRE WALL
26
A901
MIN. 4'-0"
2 4
6 2
EXTERIOR WALL
R-21 BATT INSULATION
36
A901
(2) LAYERS 5/8" GYP. BOARD TO EXTEND TO NON-COM SHEATHING
2 HOUR FIRE WALL

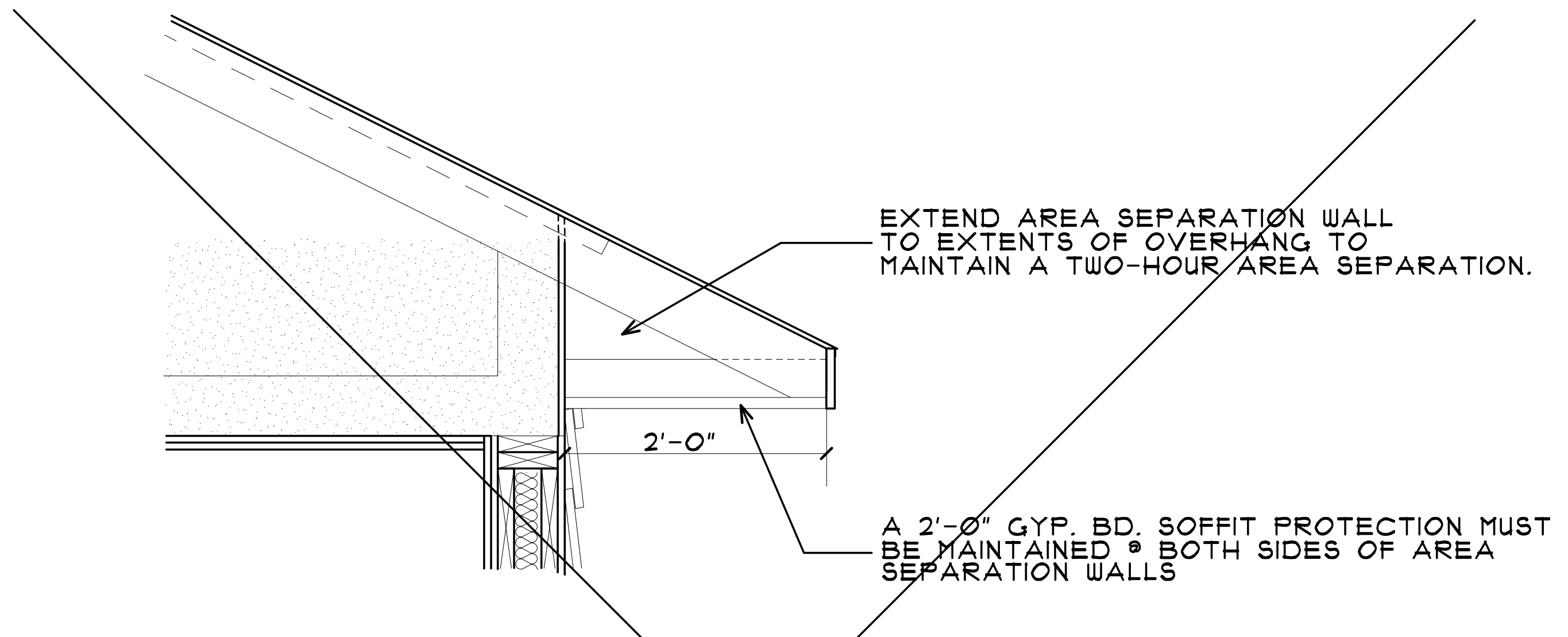
50 2 HR. WALL @ EXTERIOR WALL INTERSECTION

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


NOTE: NO OPENINGS PERMITTED IN ROOF 4'-0" EITHER SIDE OF 2 HOUR WALL
4'-0"
CLASS "B" MIN. ROOFING
NOTE: NO STRUCTURAL CONNECTIONS TO WALL ALLOWED EITHER SIDE OF WALL OTHER THAN REQUIRED ALUMINUM CLIPS SEE REQUIREMENTS BY GYPSUM BOARD MFGR.
FIRE TREATED PLYWOOD SHEATHING 4'-0" FROM FIRE WALL
2 LAYERS 5/8" GYPSUM BOARD
1 HR. SOFFIT PROTECTION (2) LAYERS 5/8" GYP. BD.
WOOD ROOF TRUSSES @ 24" O.C.
VOID
LADDER TRUSS CANTILEVERED OUT FROM BUILDING TO FACE OF DECK

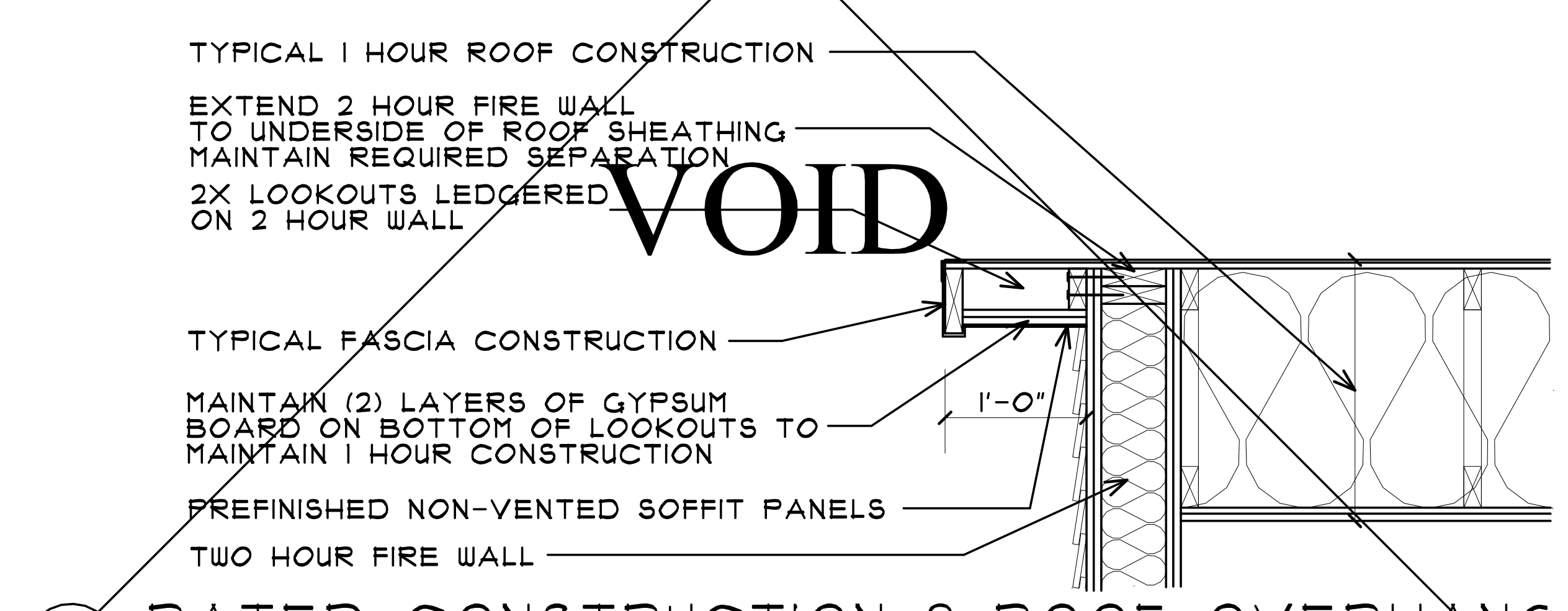
52 2 HOUR FIRE WALL FRAMING DETAIL

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


EXTEND AREA SEPARATION WALL TO EXTENTS OF OVERHANG TO MAINTAIN A TWO-HOUR AREA SEPARATION.
2'-0"
A 2'-0" GYP. BD. SOFFIT PROTECTION MUST BE MAINTAINED @ BOTH SIDES OF AREA SEPARATION WALLS

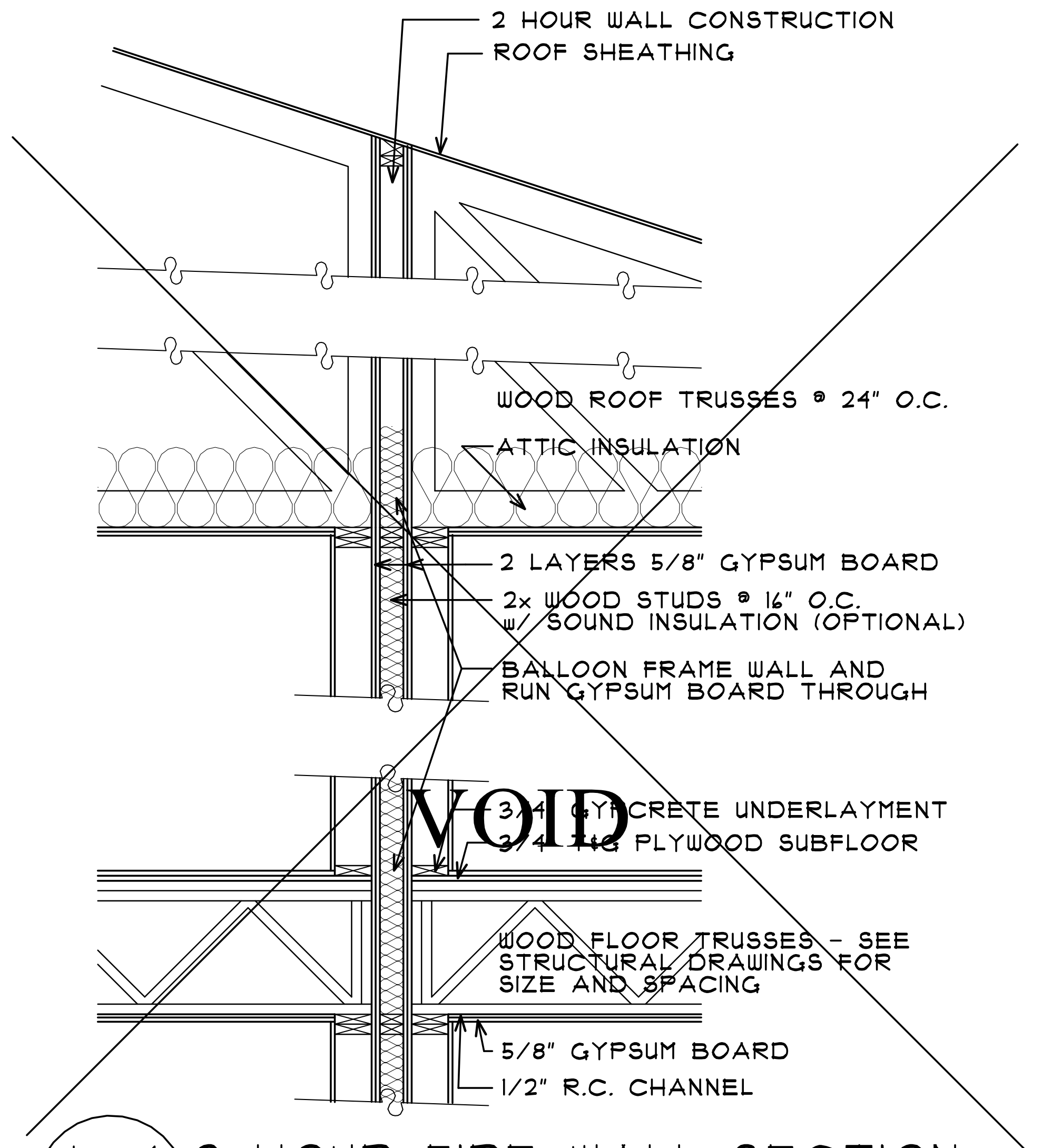
54 RATED CONSTRUCTION @ ROOF OVERHANG

SCALE: 3/4" = 1'-0"


TYPICAL 1 HOUR ROOF CONSTRUCTION
EXTEND 2 HOUR FIRE WALL TO UNDERSIDE OF ROOF SHEATHING MAINTAIN REQUIRED SEPARATION
2X LOOKOUTS LEDGERED ON 2 HOUR WALL
VOID
TYPICAL FASCIA CONSTRUCTION
MAINTAIN (2) LAYERS OF GYPSUM BOARD ON BOTTOM OF LOOKOUTS TO MAINTAIN 1 HOUR CONSTRUCTION
1'-0"
PREFINISHED NON-VENTED SOFFIT PANELS
TWO HOUR FIRE WALL

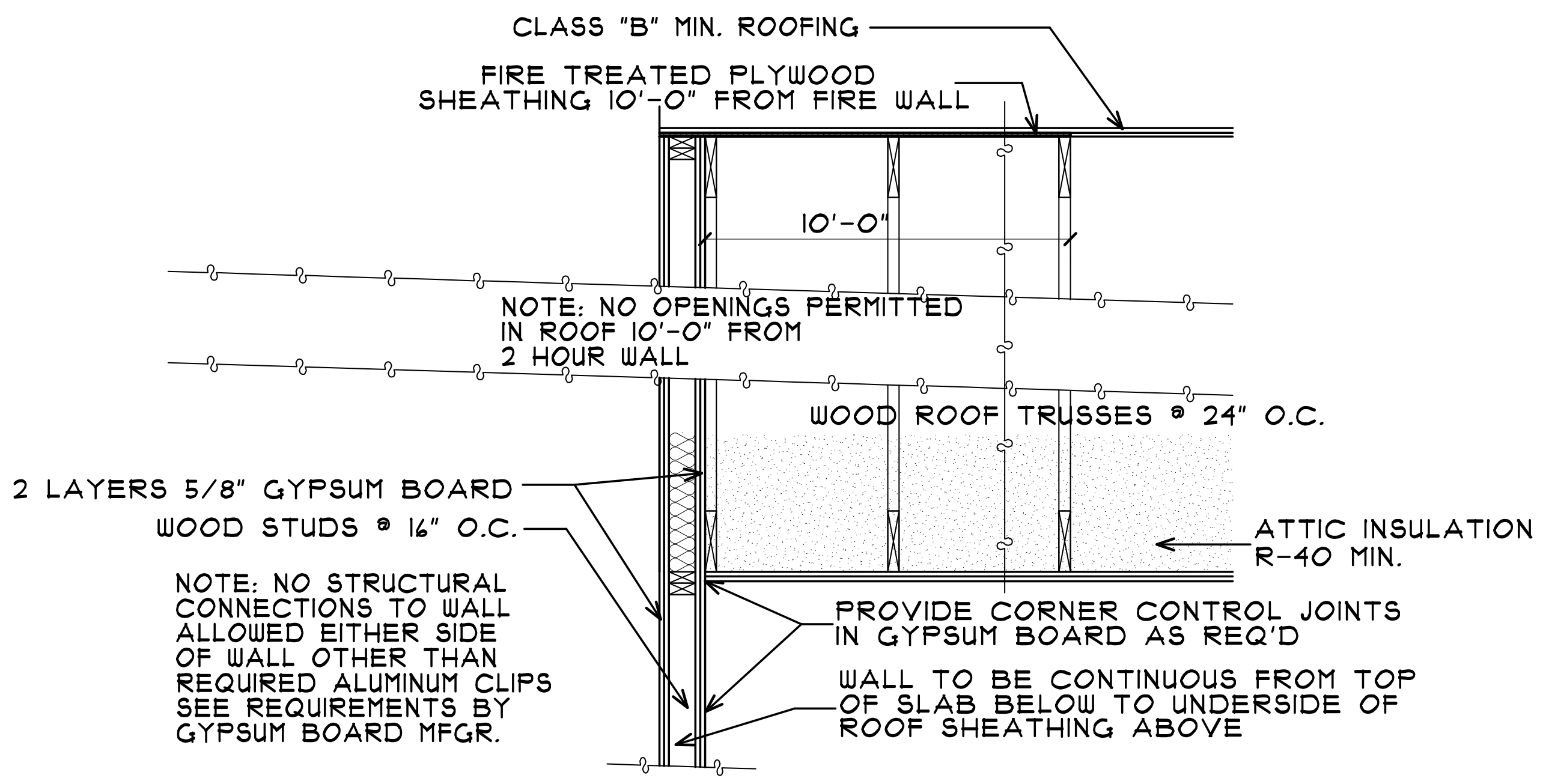
55 RATED CONSTRUCTION @ ROOF OVERHANG

SCALE: 3/4" = 1'-0"


2 HOUR WALL CONSTRUCTION
ROOF SHEATHING
WOOD ROOF TRUSSES @ 24" O.C.
ATTIC INSULATION
2 LAYERS 5/8" GYPSUM BOARD
2x WOOD STUDS @ 16" O.C. w/ SOUND INSULATION (OPTIONAL)
BALLOON FRAME WALL AND RUN GYPSUM BOARD THROUGH
VOID
3/4" GYPCRETE UNDERLAYMENT
3/4" T&G PLYWOOD SUBFLOOR
WOOD FLOOR TRUSSES - SEE STRUCTURAL DRAWINGS FOR SIZE AND SPACING
5/8" GYPSUM BOARD
1/2" R.C. CHANNEL

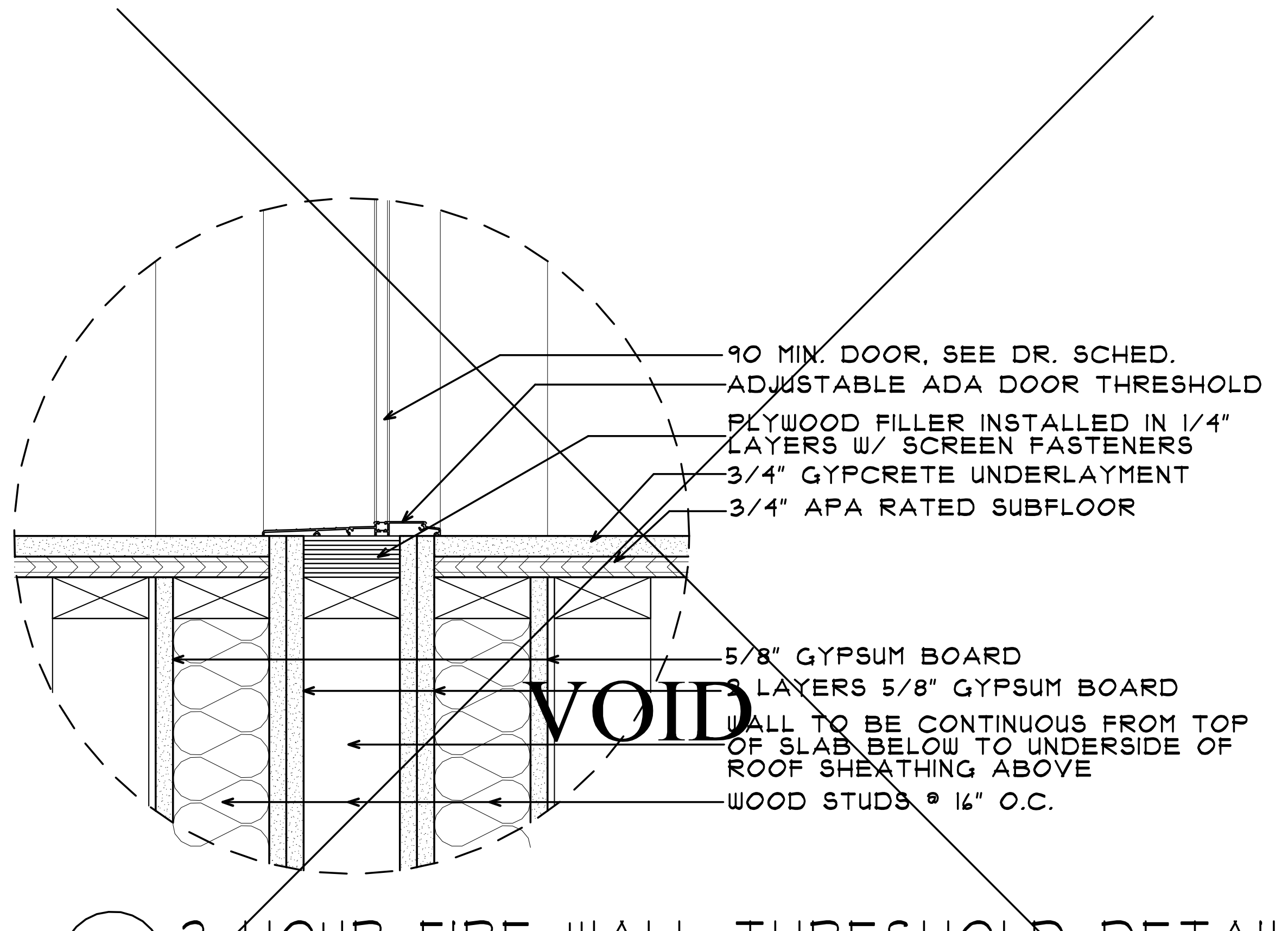
51 2 HOUR FIRE WALL SECTION

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


CLASS "B" MIN. ROOFING
FIRE TREATED PLYWOOD SHEATHING 10'-0" FROM FIRE WALL
10'-0"
NOTE: NO OPENINGS PERMITTED IN ROOF 10'-0" FROM 2 HOUR WALL
WOOD ROOF TRUSSES @ 24" O.C.
2 LAYERS 5/8" GYPSUM BOARD
WOOD STUDS @ 16" O.C.
ATTIC INSULATION R-40 MIN.
NOTE: NO STRUCTURAL CONNECTIONS TO WALL ALLOWED EITHER SIDE OF WALL OTHER THAN REQUIRED ALUMINUM CLIPS SEE REQUIREMENTS BY GYPSUM BOARD MFGR.
PROVIDE CORNER CONTROL JOINTS IN GYPSUM BOARD AS REQ'D
WALL TO BE CONTINUOUS FROM TOP OF SLAB BELOW TO UNDERSIDE OF ROOF SHEATHING ABOVE

53 2 HOUR FIRE WALL VERT. SECTION

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


90 MIN. DOOR, SEE DR. SCHED.
ADJUSTABLE ADA DOOR THRESHOLD
PLYWOOD FILLER INSTALLED IN 1/4" LAYERS W/ SCREEN FASTENERS
3/4" GYPCRETE UNDERLAYMENT
3/4" APA RATED SUBFLOOR
5/8" GYPSUM BOARD
2 LAYERS 5/8" GYPSUM BOARD
VOID
WALL TO BE CONTINUOUS FROM TOP OF SLAB BELOW TO UNDERSIDE OF ROOF SHEATHING ABOVE
WOOD STUDS @ 16" O.C.

56 2 HOUR FIRE WALL THRESHOLD DETAIL

SCALE: 2" = 1'-0"

COLE GROUP
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I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of MINNESOTA

Date 10-4-18 # 22288

Name NORMAN E. COLE Signature

DEVELOPER:

KB KELLER/BAARTMAN PROPERTIES
RED WING, MN
(651) 388-0000

PROPOSED 108 UNIT:
PARK PLACE APARTMENTS
RED WING, MN

REVISIONS/COMMENTS

REVISIONS/COMMENTS

Project No.
18011

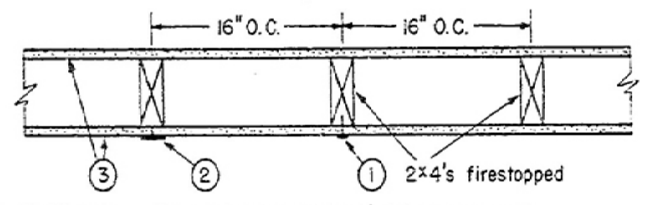
Submittal Date:
10-4-18

Document Set:
PERMIT SET

A804

PLOTTED: 10-4-18 FILE: 18011DET COM: 4

Design No. U305
Bearing Wall Rating — 1 HR.
Finish Rating — See Items 3 and 6.
STC Rating - 56 (See Item 9)



1. **Nailheads** — Exposed or covered with joint compound.
2. **Joints** — Exposed or covered with fiber tape and joint compound, except where required for specific edge configuration. For tapered, rounded-edge wallboard, joints covered with joint compound or fiber tape and joint compound. As an alternate, nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced.
3. **Gypsum Board*** — 5/8 in. thick wallboard paper or vinyl surfaced, with beveled, square, or tapered edges, applied either horizontally or vertically. Wallboard nailed 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 1/4 in. diam heads. When used in widths of other than 48 in., wallboard is to be installed horizontally. For an alternate method of attachment of gypsum boards, refer to Item 6, Wall and Partition Facings and Accessories*, or Item 7, Steel Framing Members*.
When Item 7, Steel Framing Members*, is used, wallboard attached to furring channels with 1 in. long Type S bugle-head steel screws spaced 12 in. OC.
AMERICAN GYPSUM CO —Types AGX-1, AGX-2, AGX-3 (finish rating 23 min.), Type AGX-7, AGX-11 (finish rating 26 min) or Type AG-C, TypeAGX-8 (finish rating 20 min), Type AGX-9 (finish rating 20 min), Type AGX-10 (finish rating 20 min), Type AGX-5 (finish rating 26 min), Type AGX-4 (finish rating 20 min), Type AGX-C .
BEIJING NEW BUILDING MATERIALS CO LTD — Type DBX-1 (finish rating 24 min).
BPB AMERICA INC
BPB CELOTEX —Type 1, Type SF3 (finish rating 20 min) or FRP.
CANADIAN GYPSUM COMPANY —Type AR (finish rating 26 min), Type C (finish rating 26 min), Type FCV (finish rating 26 min), Type IP-AR (finish rating 26 min), Type IPC-AR (finish rating 26 min), Type IP-X1 (finish rating 26 min), Type IP-X2 (finish rating 26 min), Type SCX (finish rating 26 min), Type SHX (finish rating 26 min), Type WRC (finish rating 26 min), Type WRX (finish rating 26 min), Type FRX (finish rating 20 min).
CONTINENTAL GYPSUM COMPANY —Type CG1-1 (finish rating 20 min), Type CG-2 (finish rating 20 min), Type CG-3 (finish rating 20 min), Type CG3-3 (finish rating 20 min), Type CG-5 (finish rating 26 min), Type CG5-5 (finish rating 26 min), Type CG6-6 (finish rating 26 min), Types CG-3W, CG-5W (finish rating 20 min), Types CG-3WS, CG-5WS (finish rating 20 min), Type CG-6 (finish rating 23 min), Type CG6-6 (finish rating 26 min), Type CG-C, Type CGT6-6 finish rating 23 min), Type CG9-9 (finish rating 26 min), Type CGT6-6 (finish rating 23 min), Type CGTC-C (finish rating 20 min).
G-P GYPSUM CORP, SUB OF
GEORGIA-PACIFIC CORP —Type 5 (finish rating 26 min), Type 6 (finish rating 23 min), Type 9 (finish rating 26 min), Type C (finish rating 26 min), Type DGG (finish rating 20 min), Type GPFS1 (finish rating 20 min), Type GPFS2 (finish rating 20 min), Type GPFS6 (finish rating 26 min), Type DS.
JAMES HARDIE GYPSUM INC —Type Fire X (finish rating 26 min), Type Max"C" .
LAFARGE NORTH AMERICA INC —Type LGFC2 (finish rating 20 min), Type LGFC3 (finish rating 20 min), Type LGFC6 (finish rating 26 min), Type LGFC-C (finish rating 20 min), Type LGFC6A (finish rating 34 min), Type LGFC2A, Type LGFC-C/A.
NATIONAL GYPSUM CO —Type FSK (finish rating 20 min), Type FSK-G (finish rating 20 min), Type FSW (finish rating 20 min), Type FSW-2 (finish rating 24 min), Type FSW-3 (finish rating 20 min), Type FSW-G (finish rating 20 min), Type FSK-C (finish rating 20 min), Type FSW-C (finish rating 20 min).
NORGIPS A/S —NORFIRE X (finish rating 26 min), NORFIRE XA (finish rating 24 min).
PABCO GYPSUM, DIV OF
PACIFIC COAST BUILDING PRODUCTS INC —Types C, PG-2 (finish rating 20 min), PG-3 (finish rating 20 min), Types PG-3W, PG-5W (finish rating 20 min), Type PG-4 (finish rating 20 min), Type PG-6 (finish rating 23 min), Types PG-3WS, PG-5WS (finish rating 20 min), Types PG-5, PG-9 (finish rating 26 min) or Type PG-C.
SIAM GYPSUM INDUSTRY CO LTD —Type EX-1 (finish rating 26 min)
STANDARD GYPSUM L L C —Type SGC(finish rating 20 min), Type SGC-3(finish rating 20 min.) Type SG-C or SGC-G(finish rating 20 min).
TEMPLE-INLAND FOREST PRODUCTS CORP —Types T (finish rating 20 min), VPB-Type T (finish rating 20 min), WR-Type T (finish rating 20 min), Type T SHTG (finish rating 20 min), FRX-6, VPBX-6, FRWRX-6, TG-C or FRX-6 Exterior Gypsum Soffit Board.
UNITED STATES GYPSUM CO —Type AR (finish rating 26 min), Type SCX (finish rating 26 min), Type C (finish rating 26 min), Type WRX (finish rating 26 min), Type WRC (finish rating 26 min), Type IP-X1 (finish rating 26 min), Type FCV (finish rating 26 min), Type IP-X2 (finish rating 26 min), Type SHX (finish rating 26 min), Type FRX (finish rating 20 min), Type FRX-G (finish rating 29 min), Type IP-AR (finish rating 26 min), Type IPC-AR (finish rating 26 min).
WESTROC INC — Type Fi-Rok.
USG MEXICO S A DE C V —Type AR (finish rating 26 min), Type C (finish rating 26 min), Type WRX (finish rating 26 min), Type WRC (finish rating 26 min), Type IP-X1 (finish rating 26 min), Type FCV (finish rating 26 min), Type IP-X2 (finish rating 26 min), Type SHX (finish rating 26 min), SCX (finish rating 26 min), Type IP-AR (finish rating 26 min), Type IPC-AR (finish rating 26 min).

3A. **Gypsum Board*** — (As an alternate to Item 3) — Nom 3/4 in. thick, installed as described in Item 3.
CANADIAN GYPSUM COMPANY —Types AR, IP-AR.
UNITED STATES GYPSUM CO —Types AR, IP-AR.
USG MEXICO S A DE C V —Types AR, IP-AR.

3B. **Gypsum Board*** — (As an alternate to Items 3 and 3A) — 5/8 in. thick, 4 ft wide, square edge, applied vertically. Wallboard nailed 3 in. OC with 1-3/4 in. long galvanized roofing nails. Joint covering (Item 2) not required.
CANADIAN GYPSUM COMPANY —Type WSX (finished rating 22 min).
UNITED STATES GYPSUM CO —Type WSX (finished rating 22 min).
USG MEXICO S A DE C V —Type WSX (finished rating 22 min).

3C. **Gypsum Board*** — (As an alternate to Items 3, 3A and 3B) - 5/8 in. thick, 2 ft wide, tongue and groove edge, applied horizontally to one side of the assembly. Secured as described in Item 3. Joint covering (Item 2) not required.
CANADIAN GYPSUM COMPANY — Type SHX.
UNITED STATES GYPSUM CO —Type SHX.
USG MEXICO S A DE C V — Type SHX.

4. **Steel Corner Fasteners — (Optional)** — For use at wall corners. Channel shaped, 2 in. long by 1 in. high on the back side with two 1/8 in. wide cleats protruding into the 5/8 in. wide channel, fabricated from 24 gauge galv steel. Fasteners applied only to the end or cut edge (not along tapered edges) of the wallboard, no greater than 2 in. from corner of wallboard, max spacing 16 in. OC. Nailed to adjacent stud through tab using one No. 6d cement coated nail per fastener. Corners of wall board shall be nailed to top and bottom plate using No. 6d cement coated nails.
5. **Batts and Blankets*** — (Optional, Not Shown) glass fiber or mineral wool insulation.
CERTAINTEED CORP
GUARDIAN FIBERGLASS INC
JOHNS MANVILLE INTERNATIONAL INC
KNAUF FIBER GLASS GMBH
OWENS CORNING HT INC, DIV OF
OWENS CORNING —Corning Fiberglas Corp.
ROCK WOOL MANUFACTURING CO —Delta Board.
ROXUL INC
THERMAFIBER L L C —Type SAFB.

5A. **Fiber, Sprayed*** — As an alternate to Batts and Blankets (Item 5) — Spray applied cellulose insulation material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 3.0 lb/ft³.
U S GREENFIBER L L C — Cocoon stabilized cellulose insulation.

6. **Wall and Partition Facings and Accessories*— (Optional, Not Shown – For use as an alternate to 6d nails described in Item 3)** — Wallboard fastened with 2 in. long 16 gauge staples spaced max 3 in. OC along vertical joints and 6 in. OC in the field. When staples are used, wallboard joints covered with paper tape and joint compound. Staples covered with joint compound. Finish rating is 18 min.
PASLODE
ILLINOIS TOOL WORKS CO
7. **Steel Framing Members (Optional, Not Shown)*** — Furring channels and Steel Framing Members as described below:
   a. **Furring Channels** — Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Wallboard attached to furring channels as described in Item 3.
   b. **Steel Framing Members*** — used to attach furring channels (Item 7a) to studs . Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips.
   PAC INTERNATIONAL — Type RSIC-1.
8. **Caulking and Sealants** — (not shown, optional) A bead of acoustical sealant applied around the partition perimeter for sound control.
9. **STC Rating** — The STC Rating of the wall assembly is 56 when it is constructed as described by Items 1 through 7, except:
   A. Item 1, above - Nailheads Shall be covered with joint compound.
   B. Item 2, above - Joints As described, shall be covered with fiber tape and joint compound.
   C. Item 5, above - Batts and Blankets* The cavities formed by the studs shall be friction fit with R-19 unfaced fiberglass insulation batts measuring 6-1/4 in. thick and 15-1/4 in. wide.
   D. Item 7, above - Steel Framing Members* Shall be used to attach wallboard to studs on either the acoustical source or receiving side of the wall assembly.
   E. Item 8, above - Caulking and Sealants (not shown) A bead of acoustical sealant shall be applied around the partition perimeter for sound control.
   F. Steel Corner Fasteners (Item 4), Fiber,Sprayed (Item 5A), Wall and Partition Facings and Accessories (Item 6) Not evaluated as alternatives for obtaining STC rating.

*Bearing the UL Classification Mark

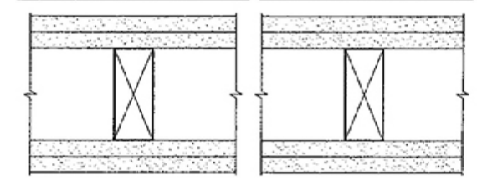
(21) 1 HR. WALL ASSEMBLY

GA FILE NO. WP 4135 | GENERIC | 2 HOUR FIRE | 40 to 44 STC SOUND

GYPSUM WALLBOARD, WOOD STUDS

Base layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to each side of 2 x 4 wood studs 24" o.c. with 6d coated nails, 1 7/8" long, 0.085" shank, 1/4" heads, 24" o.c. **Face** layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to each side with 8d coated nails, 2 3/8" long, 0.100" shank, 1/4" heads, 8" o.c.

Joints staggered 24" each layer and side. Sound tested with studs 16" o.c. and with nails for **base** layer spaced 6" o.c. **(LOAD-BEARING)**



Thickness:	6 1/8"
Approx. Weight:	12 psf
Fire Test:	FM WP 360, 9-27-74
Sound Test:	NGC 2363, 4-1-70

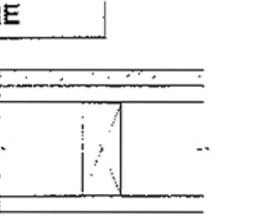
(24) 2 HR. WALL ASSEMBLY

GA FILE NO. WP 8105 | GENERIC | 1 HOUR FIRE

GYPSUM WALLBOARD, GYPSUM SHEATHING, WOOD STUDS

EXTERIOR SIDE: One layer 48" wide 5/8" type X gypsum sheathing applied parallel to 2 x 4 wood studs with 1 3/4" galvanized roofing nails, 0.120" shank, 7/16" or 1/2" heads, 4" o.c. at vertical joints and 7" o.c. at intermediate studs and top and bottom plates. Joints of gypsum sheathing may be left untreated. Exterior cladding to be attached through sheathing to studs.

INTERIOR SIDE: One layer 5/8" type X gypsum wallboard, water-resistant gypsum backing board, or gypsum veneer base applied parallel or at right angles to studs with 6d coated nails, 1 7/8" long, 0.0915" shank, 1/4" heads, 7" o.c. **(LOAD-BEARING)**



Thickness:	Varies
Approx. Weight:	7 psf
Fire Test:	See WP 3510 (UL R3501-47, -48, 9-17-65, UL Design U309; UL R1319-129, 7-22-70, UL Design U314)

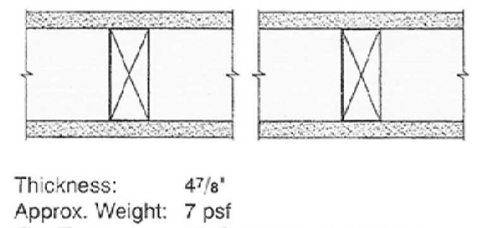
(26) 1 HR. EXTERIOR WALL

GA FILE NO. WP 3605 | GENERIC | 1 HOUR FIRE | 30 to 34 STC SOUND

GYPSUM WALLBOARD, WOOD STUDS

One layer 5/8" type X plain or predecorated gypsum wallboard, water-resistant gypsum backing board, or gypsum veneer base applied parallel or at right angles to each side of 2 x 4 wood studs 16" o.c. with 6d coated nails, 1 7/8" long, 0.0915" shank, 1/4" heads, 7" o.c. Joints of square edge, bevel edge or predecorated wallboard may be left exposed.

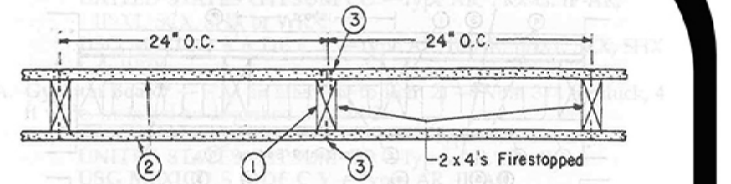
Joints staggered 16" on opposite sides. **(LOAD-BEARING)**



Thickness:	4 7/8"
Approx. Weight:	7 psf
Fire Test:	UL R1319-4, -6, 6-17-52; UL R2717-39, 1-20-66; UL R3501-52, 3-15-66, UL Design U305; ULC Design W301
Sound Test:	OR 64-8, 2-4-64

(30) 1 HR. WALL ASSEMBLY

Design No. U309
Bearing Wall Rating — 1 HR.
Finish Rating — 27 Min.



1. **Wood Studs** — Nom 2 by 4 in., spaced 24 in. OC effectively firestopped.
2. **Gypsum Board*** — 5/8 in. thick, 4 ft wide, applied either horizontally or vertically, nailed to studs and bearing plates with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 1/4 in. diam heads spaced 7 in. OC.
When Steel Framing Members* (Item 5) are used, wallboard attached to furring channels with 1 in. long Type S bugle-head steel screws spaced 12 in. OC.
AMERICAN GYPSUM CO —Types AGX-1, AG-C
BEIJING NEW BUILDING MATERIALS CO LTD — Type DBX-1.
BPB AMERICA INC — Types EGRG or ProRoc Type C.
BPB CANADA INC — ProRoc Type C.
G-P GYPSUM CORP, SUB OF
GEORGIA-PACIFIC CORP —Types 5, 9, C, DAP, DD, DA, DGG, DS, GPFS6.
LAFARGE NORTH AMERICA INC —Types LGFC6, LGFC-C, LGFC6A, LGFC2, LGFC2A, LGFC-C/A.
NATIONAL GYPSUM CO —Types FSK-C, FSW, FSW-3, FSW-5, FSW-C, FSW-G.
PABCO GYPSUM, DIV OF
PACIFIC COAST BUILDING PRODUCTS INC —Type C, PG-9 or PG-C.
PANEL REY S A — Type PRX.
SIAM GYPSUM INDUSTRY (SARABURI) CO LTD —Type EX-1.
STANDARD GYPSUM L L C —Type SG-C, SGC or SGC-G.
— —**TEMPLE-INLAND FOREST PRODUCTS CORP** —Type TG-C.
3. **Joints and Nailheads** — Wallboard joints covered with paper tape and joint compound. Nailheads covered with joint compound. Gypsum plaster not more than 1/8 in. thick may be applied over the wallboard in addition to the specified joint treatment.
4. **Batts and Blankets*** — (Not Shown) — Optional glass fiber insulation.
CERTAINTEED CORP
JOHNS MANVILLE INTERNATIONAL INC
OWENS-CORNING FIBERGLAS CORP

4A. **Fiber, Sprayed*** — As an alternate to Batts and Blankets (Item 4) — Spray applied cellulose insulation material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 3.0 lb/ft³.
U S GREENFIBER L L C — Cocoon stabilized cellulose insulation.

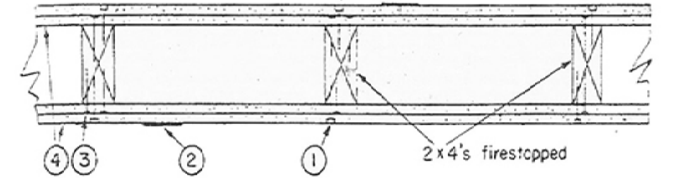
4B. **Fiber, Sprayed*** — As an alternate to Batts and Blankets (Item 4) and Item 4A - Spray applied cellulose insulation material. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.3 pounds per cubic ft.
NU-WOOL CO INC — Cellulose Insulation

5. **Steel Framing Members (Optional, Not Shown)*** — Furring channels and Steel Framing Members as described below:
   a. **Furring Channels** — Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Wallboard attached to furring channels as described in Item 2.
   b. **Steel Framing Members*** — used to attach furring channels (Item a) to studs (Item 1) . Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips.
   PAC INTERNATIONAL INC — Type RSIC-1.

*Bearing the UL Classification Mark

(22) 1 HR EXTERIOR WALL

Design No. U301
Bearing Wall Rating — 2 HR.
Finish Rating — 66 Min.



1. **Nailheads** — Exposed or covered with joint finisher.
2. **Joints** — Exposed or covered with fiber tape and joint finisher. As an alternate, nominal 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced.
3. **Nails** — 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam, 1/4 in. diam heads, and 8d cement coated nails 2-3/8 in. long, 0.113 in. shank diam, 9/32 in. diam heads.
4. **Gypsum Board** — * — 5/8 in. thick, two layers applied either horizontally or vertically. Inner layer attached to studs with the 1-7/8 in. nails spaced 6 in. OC. Outer layer attached to studs over inner layer with the 2-3/8 in. long nails spaced 8 in. OC. Vertical joints located over studs. All joints in face layers staggered with joints in base layers. Joints of each base layer offset with joints of base layer on opposite side.
When used in widths other than 48 in., gypsum board to be installed horizontally.
When Steel Framing Members* (Item 6) are used, base layer attached to furring channels with 1 in. long Type S bugle-head steel screws spaced max 24 in. OC; face layer attached with 1-5/8 in. long Type S bugle-head steel screws spaced max 12 in. OC.
AMERICAN GYPSUM CO —Types AGX-1, AG-C, AGX-11.
BEIJING NEW BUILDING MATERIALS CO LTD —Type DBX-1.
BPB AMERICA INC —Types 1, FRPC, EGRG, ProRoc Type C or ProRoc Type X.
BPB CANADA INC — ProRoc Type C, ProRoc Type X, ProRoc Type Abuse-Resistant.
CANADIAN GYPSUM COMPANY —Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX .
G-P GYPSUM CORP, SUB OF
GEORGIA-PACIFIC CORP —Types 5, 9, C, DAP, DD, DA, DGG, DS, GPFS6.
LAFARGE NORTH AMERICA INC —Types LGFC-C, LGFC2, LGFC2A, LGFC6, LGFC6A., LGFC-C/A.
NATIONAL GYPSUM CO —Types FSK, FSK-C, FSK-G, FSW, FSW-3, FSW-5, FSW-C, FSW-G.
PABCO GYPSUM, DIV OF
PACIFIC COAST BUILDING PRODUCTS INC —Type C, PG-2, PG-3, PG-3W, PG-4, PG-5, PG-5W, PG-5WS, PG-9 or PG-C.
PANEL REY S A — Type PRX.
HEARTLAND BUILDING PRODUCTS INC —Type TG-C.
SIAM GYPSUM INDUSTRY (SARABURI) CO LTD —Type EX-1
STANDARD GYPSUM L L C —Types SGC, SG-C or SGC-G.
HEARTLAND BUILDING PRODUCTS INC — Type TG-C
UNITED STATES GYPSUM CO —Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX.
USG MEXICO S A DE C V —Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX.

4A. **Gypsum Board*** — (As an alternate to Item 4) — Nom 3/4 in. thick, installed as described in Item 4.
CANADIAN GYPSUM COMPANY —Types AR, IP-AR.
UNITED STATES GYPSUM CO —Types AR, IP-AR.
USG MEXICO S A DE C V —Types AR, IP-AR.

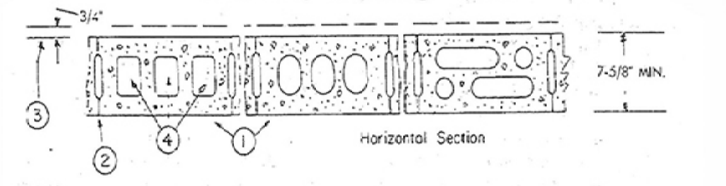
4B. **Gypsum Board*** — (As an alternate to Items 4 and 4A)—5/8 in. thick, 2 ft wide, tongue and groove edge, applied horizontally as the outer layer to one side of the assembly. Secured as described in Item 4. Joint covering (Item 2) not required.
CANADIAN GYPSUM COMPANY — Type SHX
UNITED STATES GYPSUM CO —Type SHX
— —**USG MEXICO S A DE C V** — Type SHX

5. **Molded Plastic*** — Not shown, Optional — Solid vinyl siding mechanically secured over the outer layer to framing members in accordance with manufacturer's recommended installation details.
ALSIDE, DIV OF
ASSOCIATED MATERIALS INC
GENTEK BUILDING PRODUCTS LTD
HEARTLAND BUILDING PRODUCTS INC
VYTEC CORP
NEBRASKA PLASTICS INC
6. **Steel Framing Members** — (Optional, Not Shown)* - Furring channels and resilient sound isolation clip as described below:
   A. **Furring Channels** — Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Wallboard attached to furring channels as described in Item 4.
   B. **Steel Framing Members*** — Resilient sound isolation clip used to attach furring channels (Item 6a) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips.
   PAC INTERNATIONAL INC — Type RSIC-1.

*Bearing the UL Classification Mark

(23) 2 HR. WALL ASSEMBLY

Design No. U905
Bearing Wall Rating — 2 HR.
Nonbearing Wall Rating — 2 HR



1. **Concrete Blocks*** — Various designs. Classification D-2 (2 hr). See **Concrete Blocks** category for list of eligible manufacturers.
2. **Mortar** — Blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.
3. **Portland Cement Stucco or Gypsum Plaster** — Add 1/2 hr to classification if used. Where combustible members are framed in wall, plaster or stucco must be applied on the face opposite framing to achieve a max. Classification of 1-1/2 hr. Attached to concrete blocks (Item 1).
4. **Loose Masonry Fill** — If all core spaces are filled with loose dry expanded slag, expanded clay or shale (Rotary Kiln Process), water repellant vermiculite masonry fill insulation, or silicone treated perlite loose fill insulation add 2 hr to classification.
5. **Foamed Plastic*** — (Optional-Not Shown) — 1-1/2 in. thick max, 4 ft wide sheathing attached to concrete blocks (Item 1).
THE DOW CHEMICAL CO —Type Thermax

*Bearing the UL Classification Mark

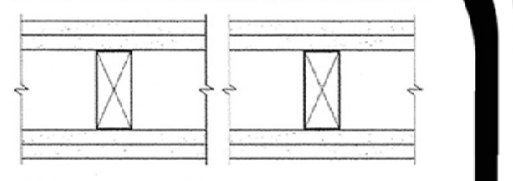
(32) 2 HR. WALL ASSEMBLY

GA FILE NO. WP 4136 | GENERIC | 2 HOUR FIRE | 40 to 44 STC SOUND

GYPSUM WALLBOARD, WOOD STUDS

Base layer 5/8" type X gypsum wallboard or veneer base applied parallel or at right angles to each side of 2 x 4 wood studs 16" o.c. with 1 1/4" Type W drywall screws 12" o.c. **Face** layer 5/8" type X gypsum wallboard or veneer base applied parallel or at right angles to each side with 1 7/8" Type W drywall screws 12" o.c. and offset 6" from screws in base layer.

Joints staggered 16" each layer and side. **(LOAD-BEARING)**



Thickness:	6 1/8"
Approx. Weight:	12 psf
Fire Test:	SWRI 01-5920-614, 12-5-94
Sound Test:	See WP 4135 (NGC 2363, 4-1-70)

(36) 2 HR. WALL ASSEMBLY

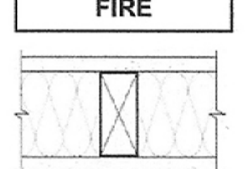
GA FILE NO. WP 3644 | GENERIC | 1 HOUR FIRE

GYPSUM WALLBOARD, WOOD STUDS, MINERAL FIBER INSULATION

One layer 5/8" type X gypsum wallboard applied at right angles to each side of 2 x 4 wood studs 16" o.c. with 2 1/4" Type S or W drywall screws 12" o.c. 3 1/2" mineral fiber insulation, nominal 2.5 pcf, friction fit in stud space.

Vertical joints staggered 16" o.c., horizontal joints staggered 24" o.c., on opposite sides.

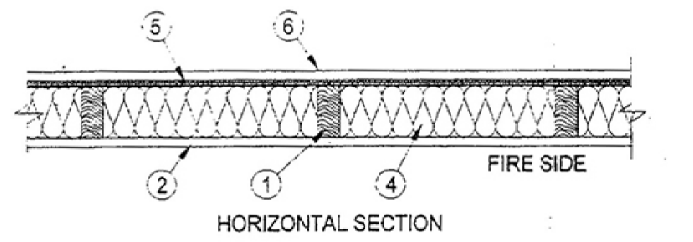
Tested at 2,578 lbs per stud or 100 percent of design load. **(LOAD-BEARING)**



Thickness:	4 3/4"
Approx. Weight:	7.5 psf
Fire Test:	ITS J20-06170.1, 4-00

(34) 1 HR. WALL ASSEMBLY

Design No. U356
(Exposed to Fire on Interior Face Only)
Bearing Wall Rating — 1 Hr
Finish Rating — 23 Min



HORIZONTAL SECTION

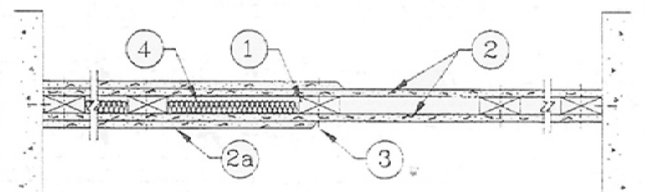
1. **Wood Studs** — Nom 2 by 4 in. spaced 16 in. OC with two 2 by 4 in. top and one 2 by 4 in. bottom plates. Studs laterally-braced by wood structural panel sheathing (Item 5) and effectively fire stopped at top and bottom of wall.
2. **Gypsum Board*** — Any Classified 5/8 in. thick, 4 ft wide, applied vertically and nailed to studs and bearing plates 7 in. OC with 6d cement-coated nails, 1-7/8 in. long with 1/4 in. diam head.
See **Gypsum Board** (CKNX) Category for names of Classified Companies.
3. **Joints and Nailheads** — (Not Shown) — Wallboard joints covered with tape and joint compound. Nail heads covered with joint compound.
4. **Batts and Blankets*** — Mineral fiber or glass fiber insulation, 3-1/2 in. thick, pressure fit to fill wall cavities between studs and plates. Mineral fiber insulation to be unfaced and to have a min density of 3 pcf. Glass fiber insulation to be faced with alumium foil or kraft paper and to have a min density of 0.9 pcf (min R-13 thermal insulation rating).
See **Batts and Blankets** (BKNV) Category in the Building Materials Directory and Batts and Blankets (BZJZ) Category in the Fire Resistance Directory for names of Classified Companies.

4A. **Fiber, Sprayed*** — As an alternate to Batts and Blankets (Item 4) — Spray applied cellulose insulation material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 3.0 lb/ft³ .
U S GREENFIBER L L C —Cocoon stabilized cellulose insulation.

5. **Wood Structural Panel Sheathing** — Min 7/16 in. thick, 4 ft wide wood structural panels, min grade "C-D" or "Sheathing". Installed with long dimension of sheet (strength axis) or face grain of plywood parallel with or perpendicular to studs. Vertical joints centered on studs. Horizontal joints backed with nom 2 by 4 in. wood blocking. Attached to studs on exterior side of wall with 6d cement coated box nails spaced 6 in. OC at perimeter of panels and 12 in. OC along interior studs.
6. **Exterior Facings** — Installed in accordance with the manufacturer's installation instructions. One of the following exterior facings is to be applied over the sheathing:
   A. **Vinyl Siding — Molded Plastic*** — Contoured rigid vinyl siding having a flame spread value of 20 or less.
   See Molded Plastic (BTAT) category in the Building Materials Directory for names of manufacturers.
   B. **Particle Board Siding** — Hardboard exterior sidings including patterned panel or lap siding.
   C. **Wood Structural Panel or Lap Siding** — APA Rated Siding, Exterior, plywood, OSB or composite panels with veneer faces and structural wood core, per PS 1 or APA Standard PRP-108, including textured, rough sawn, medium density overlay, brushed, grooved and lap siding.
   D. **Cementitious Stucco** — Portland cement or synthetic stucco systems with self-furring metal lath or adhesive base coat. Thickness from 3/8 to 3/4 in., depending on system.
   E. **Brick Veneer** — Any type on nom 4 in. wide brick veneer. When brick veneer is used, the rating is applicable with exposure on either face. Brick veneer fastened with corrugated metal wall ties attached over sheathing to wood studs with 8d nail per tie: ties spaced not more than each sixth course of brick and max 32 in. OC horizontally. One in. air space provided between brick veneer and sheathing.
   F. **Exterior Insulation and Finish System (EIFS)** — Nom 1 in. Foamed Plastic* insulation bearing the UL Classification Marking, attached over sheathing and finished with coating system, or Portland cement or synthetic stucco systems, in accordance with manufacturer's instructions. See **Foamed Plastic** (BRYX and CCVW) categories for names of Classified companies.
   G. **Siding** — Aluminum or steel siding attached over sheathing to studs.

(26) 1 HR. WALL ASSEMBLY
ALTERNATE

Design No. U338
Nonbearing or Bearing Wall Rating — 1 HR.
(See Items 2 and 2A)
Finish Rating — One Layer of Wallboard — Min. 20 Min.
Two Layers of Wallboard — Min. 59 Min



HORIZONTAL SECTION

1. **Wood Studs** — Nom 2 by 3 or 2 by 4 in., flat wise, spaced 24 in. O.C. max, effectively firestopped.
2. **Gypsum Board*** — For Nonbearing Wall rating — One layer of 5/8 in. thick, 4 ft wide wallboard each side of studs. Wallboard or lath applied horizontally or vertically with vertical joints centered on studs, and nailed to studs and bearing plates 7 in. O.C. with 6d cement coated nails, 1-7/8 in. long, 0.0915 in. shank diam and 1/4 in. diam head. As an alternate, No. 6 bugle head drywall screws, 1-7/8 in. long, may be substituted for the 6d cement coated nails.
See Gypsum Board* (CKNX) category for names of Classified companies.

2A. **Gypsum Board*** — Same as Item 2. For Bearing Wall rating — Additional layer of 5/8 in. thick, 4 ft wide wallboard each side of studs. Attached to studs over inner layer 8 in. O.C. max, with 8d cement coated nails, 2-3/8 in. long, 0.113 in. shank diam and 9/32 in. diam head.

3. **Joints and Nail Heads** — Wallboard joints of outer layer covered with tape and joint compound. Nail heads of outer layer covered with joint compound. As an alternate, nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard.
4. **Batts and Blankets*** — (Optional) — Max 1 in. thickness glass or mineral fiber batt insulation.
See Batts and Blankets* (BZJZ) category for names of Classified companies.

4A. **Fiber, Sprayed*** — As an alternate to Batts and Blankets (Item 4) — Spray applied cellulose insulation material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 3.0 lb/ft³ .
U S GREENFIBER L L C —Cocoon stabilized cellulose insulation.

*Bearing the UL Classification Mark

(27) 1 HR. WALL ASSEMBLY

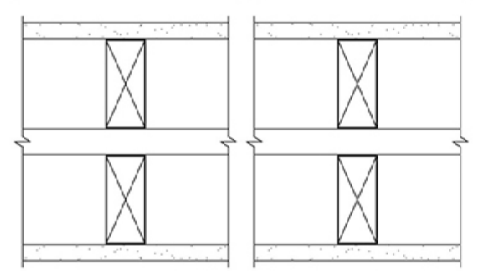
WALLS AND INTERIOR PARTITIONS, WOOD FRAMED

GA FILE NO. WP 3370 | GENERIC | 1 HOUR FIRE | 45 to 49 STC SOUND

GYPSUM WALLBOARD, WOOD STUDS

One layer 5/8" type X gypsum wallboard or gypsum veneer base applied parallel or at right angles to each side of double row of 2 x 4 wood studs 16" o.c. on separate plates 1" apart with 6d coated nails, 1 7/8" long, 0.0915" shank, 1/4" heads, 7" o.c.

Joints staggered 16" on opposite sides. Horizontal bracing required at mid-height. **(LOAD-BEARING)**



Thickness:	9½"
Approx. Weight:	8 psf
Fire Test:	See WP 3605 (UL R1319-4, 6, 6-17-52; UL R2717-39, 1-20-66; UL R3501-52, 3-15-66, UL Design U305; ULC Design W301)
Sound Test:	Estimated

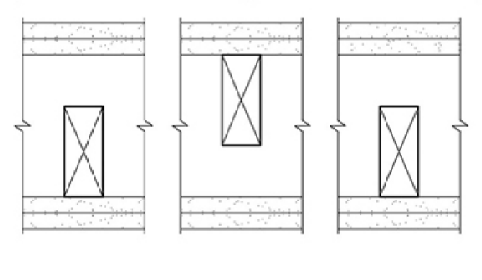
(35) 1 HR. WALL ASSEMBLY

GA FILE NO. WP 3910 | GENERIC | 2 HOUR FIRE | 50 to 54 STC SOUND

GYPSUM WALLBOARD, WOOD STUDS

Base layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to each side of 2 x 4 wood studs 16" o.c., staggered 8" o.c. on 2 x 6 wood plates, with 6d coated nails, 1 7/8" long, 0.085" shank, 1/4" heads, 24" o.c. **Face** layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to each side with 8d coated nails, 2 3/8" long, 0.113" shank, 9/32" heads, 8" o.c.

Joints staggered 16" each layer and side. Sound tested with nails for base layer spaced 6" o.c. Horizontal bracing required at mid-height. **(LOAD-BEARING)**



Thickness:	8"
Approx. Weight:	13 psf
Fire Test:	See WP 4135 (FM WP 360, 9-27-74)
Sound Test:	NGC 2377, 5-19-70

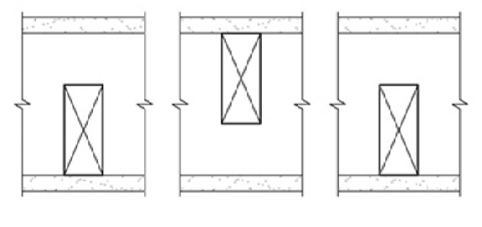
(33) 2 HR. WALL ASSEMBLY

GA FILE NO. WP 3380 | GENERIC | 1 HOUR FIRE | 40 to 44 STC SOUND

GYPSUM WALLBOARD, WOOD STUDS

One layer 5/8" type X gypsum wallboard or gypsum veneer base applied parallel or at right angles to each side of 2 x 4 wood studs 16" o.c. staggered 8" o.c. on 2 x 6 wood plates with 6d coated nails, 1 7/8" long, 0.0915" shank, 1/4" heads, 7" o.c.

Joints staggered 24" on opposite sides. Horizontal bracing required at mid-height. **(LOAD-BEARING)**



Thickness:	7 3/4"
Approx. Weight:	8 psf
Fire Test:	See WP 3605 (UL R1319-4, 6, 6-17-52; UL R2717-39, 1-20-66; UL R3501-52, 3-15-66, UL Design U305; ULC Design W301)
Sound Test:	Estimated

(37) 1 HR. WALL ASSEMBLY

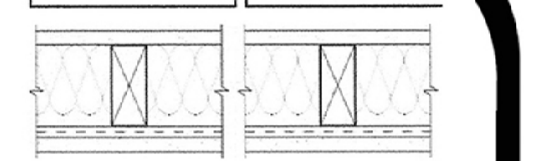
GA FILE NO. WP 3243 | GENERIC | 1 HOUR FIRE | 50 to 54 STC SOUND

GYPSUM WALLBOARD, RESILIENT CHANNELS, MINERAL OR GLASS FIBER INSULATION, WOOD STUDS

Resilient channels 24" o.c. attached at right angles to ONE SIDE of 2 x 4 wood studs 24" o.c. with 1 1/4" Type S drywall screws. One layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to channels with 1" Type S drywall screws 8" o.c. with vertical joints located midway between studs. 3" mineral or glass fiber insulation in stud space.

OPPOSITE SIDE: One layer 5/8" type X gypsum wallboard or gypsum veneer base applied parallel or at right angles to studs with 6d cement coated nails, 1 7/8" long, 0.0915" shank, 15/64" heads, 7" o.c.

Vertical joints staggered 24" on opposite sides. **(LOAD-BEARING)**



Thickness:	5 3/8"
Approx. Weight:	7 psf
Fire Test:	Based on UL R14196, 05NK05371, 2-15-05, UL Design U309
Sound Test:	NRCC TL-93-103, IRC-IR-761, 3/98

(38) 1 HR. WALL ASSEMBLY

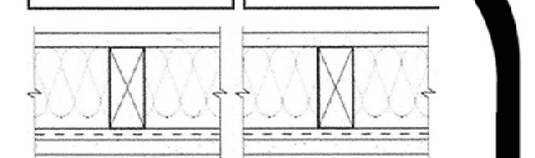
GA FILE NO. WP 3242 | GENERIC | 1 HOUR FIRE | 50 to 54 STC SOUND

GYPSUM WALLBOARD, RESILIENT CHANNELS, MINERAL OR GLASS FIBER INSULATION, WOOD STUDS

Resilient channels 16" o.c. attached at right angles to ONE SIDE of 2 x 4 wood studs 24" o.c. with 1 1/4" Type S drywall screws. One layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to channels with 1" Type S drywall screws 8" o.c. with vertical joints located midway between studs. 3" mineral or glass fiber insulation in stud space.

OPPOSITE SIDE: One layer 5/8" type X gypsum wallboard or gypsum veneer base applied parallel or at right angles to studs with 6d cement coated nails, 1 7/8" long, 0.0915" shank, 15/64" heads, 7" o.c.

Vertical joints staggered 24" on opposite sides. **(LOAD-BEARING)**



Thickness:	5 3/8"
Approx. Weight:	7 psf
Fire Test:	Based on UL R14196, 05NK05371, 2-15-05, UL Design U309
Sound Test:	NRCC TL-93-098, IRC-IR-761, 3/98

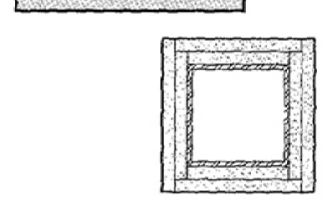
(39) 1 HR. WALL ASSEMBLY

COLUMNS, NONCOMBUSTIBLE

GA FILE NO. CM 1450 | GENERIC | 1 HOUR FIRE

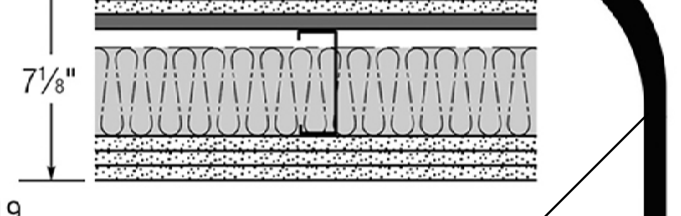
GYPSUM WALLBOARD, STEEL COLUMN COVER

Base layer 1/2" type X gypsum wallboard applied around TS4x4x0.188 tube steel column and held in place with paper masking tape. **Second** layer 1/2" type X gypsum wallboard applied *around column and held in place* with paper masking tape. **Face** layer either No. 24 MSG galvanized steel column cover consisting *of two L-shaped* sections with snap-lock sheet steel joints or No. 22 MSG galvanized steel column covers *consisting* of two L-shaped sections with lap joints fastened with No.8x1/2" sheet metal screws 12" o.c.



Fire Test:	UL NC505-(1-6), 71NK2639, 12-23-75; UL NC505, 77NK1518; UL Design X526

(41) 1 HR. COLUMN ASSEMBLY



UL U419

Interior Partitions -Steel Stud (Non-loadbearing)

Fire Rating	3 hour
STC	63
Sound Test	RAL-TL87-152
System Thickness	7-1/8"

Detailed Description Quick Description

Gypsum Board - Three layers of 1/2 in. thick, 4 ft. board, with beveled, square or tapered edges, applied vertically
- SHEETROCK Brand FIRECODE Core (Type X) - 5/8"
- SHEETROCK Brand FIRECODE C Core Gypsum Panel - 1/2"
- SHEETROCK Brand Mold Tough™ FIRECODE C Core Gypsum Panels 5/8"
- SHEETROCK Brand FIRECODE C Core Gypsum Panel - 5/8"
- SHEETROCK® Abuse-Resistant FIRECODE® C Core Gypsum Panels - 5/8"
- IMPERIAL Brand Gypsum Base FIRECODE C Core - 1/2"

VOID

Resilient Channel - 1/2 in. deep resilient furring channels, min 25 gauge corrosion-protected steel, spaced vertically a max of 24 in. OC (Optional)

Steel Studs - 3-5/8 in. 20 gauge spaced @ max 24 in. OC

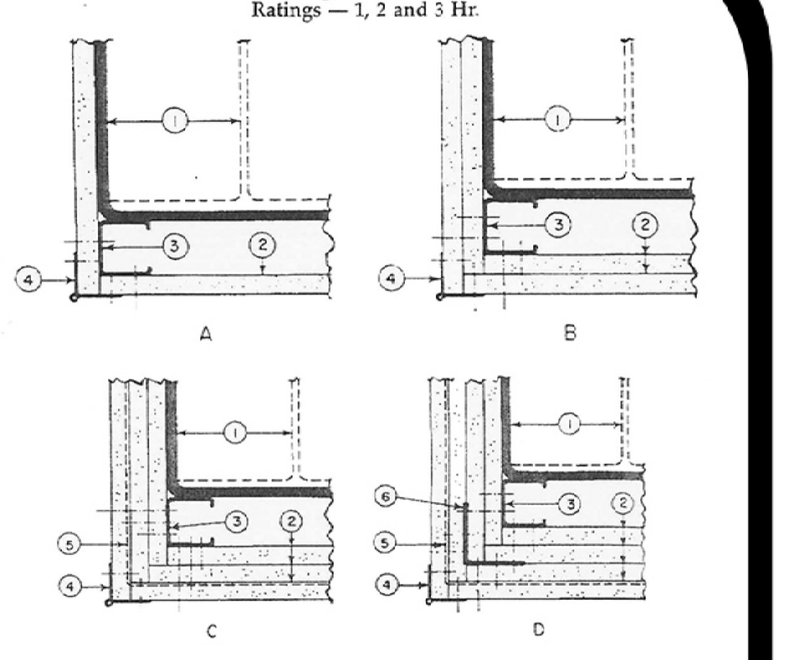
Product: 400S125-30 ▾ Limiting Heights Range: 121 - 257 (in.) ⌄

Batts and Blankets - 3 in. mineral wool batt insulation

Gypsum Board - Three layers of 1/2 in. thick, 4 ft. board, with beveled, square or tapered edges, applied vertically
- SHEETROCK Brand FIRECODE Core (Type X) - 5/8"
- SHEETROCK Brand FIRECODE C Core Gypsum Panel - 1/2"
- SHEETROCK Brand Mold Tough™ FIRECODE C Core Gypsum Panels 5/8"
- SHEETROCK Brand FIRECODE C Core Gypsum Panel - 5/8"
- SHEETROCK® Abuse-Resistant FIRECODE® C Core Gypsum Panels - 5/8"
- IMPERIAL Brand Gypsum Base FIRECODE C Core - 1/2"

(42) 3 HR. WALL ASSEMBLY

Design No. X528
Ratings — 1, 2 and 3 Hr.



CORNER DETAILS OF WALLBOARD
SUPPORT SYSTEMS WITHOUT STEEL COVERS

1. **Steel Column** — Min sizes of W-shaped and tubular steel columns which appear in the AISC Steel Construction Manual as shown under Item 2.
2. **Gypsum Board*** — For 1 Hr rating, any 5/8 in. or 1/2 in. thick gypsum wallboard Classified for use in fire resistance assemblies. For 2 Hr and 3 Hr ratings, any 5/8 in. or 1/2 in. thick gypsum wallboard Classified for use in other 2 Hr, 3 Hr or 4 Hr Column Designs. Min total thickness of layers in inches for the various ratings and min column sizes are as follows:

W Shaped Column Min Column Size	Rating (Hr) 1	2	3	Corner Details For Various Rating 1 Hr	2 Hr	3 Hr
	Total thickness (In.)					
W4x13	1	1-1/2	2-1/4	B	C	D
W6x15.5	1	1-1/2	2-1/4	B	C	D
W10x49	1/2	1-1/8	1-7/8	A	B	C
	Tube Shaped columns					
TS 4 by 4 by0.188	1	1-5/8	2-1/2	B	C	D
TS 8 by 8 by 0.250	5/8	1-5/8	2-1/2	A	C	D

Applied in layers as noted in the above illustrations. Boards are to be applied vertically without horizontal joints.
See **Gypsum Board (CKNX)** category for names of manufacturers.

2A. **Gypsum Board*** — As an alternate to Item 2- 3/4 in. thick gypsum wallboard. For 2 Hr rating, 1-1/2 in. total thickness, installed in accordance with corner detail B. For 3 Hr rating, 2-1/4 in. total thickness installed in accordance with corner detail C. Boards are to be applied vertically without horizontal joints.
CANADIAN GYPSUM COMPANY —Type IP-X3, ULTRACODE, ULTRACODE SHC or ULTRACODE WRC.
UNITED STATES GYPSUM CO —Type IP-X3, ULTRACODE, ULTRACODE SHC or ULTRACODE WRC.
USG MEXICO S A DE C V —Type IP-X3, ULTRACODE, ULTRACODE SHC or ULTRACODE WRC.

3. **Steel Stud** — 1-5/8 in. wide with 1-5/16 and 1-7/16 in. legs having a 1/4- in. folded flange, fabricated from No. 25 MSG galv steel. Length to be 1/2 in. less than the assembly height.

3A. **As an alternate to Item 3 Steel Framing Members*** — galv. steel clips spaced 4 ft OC and 1-1/4 in. from top and bottom of column. A No. 28 MSG galv steel support angle with 1-1/4 in. length shall be placed over clips and secured with screws attaching the wallboard. The angle cut 1 in. less than assembly height splices in angle to occur over clips. The clips for use with wide flange columns only.
COLUMN & BEAM INC — Types CB, CB1Clips.

4. **Corner Beads** — No. 28 MSG galv steel, 1-1/4 in. legs to be attached to the wallboard with No. 6 by 1 in. screws spaced 12 in. OC max.
5. **Tie Wire** — No. 18 SWG steel wire spaced 24 in. OC used with second layer of wallboard.
6. **Screws** — For attaching first layer of wallboard to steel studs, and third layer of wallboard to 2 in. by 2 in. steel angle (25 Ga) to be No. 6 by 1 in. (or 1-1/4 in. for 3/4 in. thick wallboard) Phillips head self-drilling, self-tapping double lead screws spaced 24 in. OC For attaching second layer of wallboard to steel studs and fourth layer of wallboard to 2 in. by 2 in. steel angle (25 Ga) to be No. 6 by 1-3/4 in. (or 2-1/4 in. for 3/4 in. thick wallboard) steel screws of the same type spaced 12 in. OC For attaching third layer of wallboard to steel studs to be No. 8 by 2-1/4 in. screws of the same type spaced 12 in. OC
7. **Finishing System** — (Not Shown) — Joint compound applied over corner beads to a thickness of 1/16 in.

*Bearing the UL Classification Mark

(40) 1 HR. COLUMN ASSEMBLY
ALTERNATE

COLE GROUP
ARCHITECTS LLC.
216 Park Avenue South
Suite 102
Saint Cloud, MN 56301
(320) 654-6570
www.colegrouparchitects.com

These documents are not valid for building permit unless signed in ink and over sealed. Copies are not valid.

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of MINNESOTA

Date 10-4-18 # 22288

Name NORMAN E. COLE Signature

DEVELOPER:
KB KELLER/BAARTMAN PROPERTIES
RED WING, MN
(651) 388-0000

PROPOSED 108 UNIT:
PARK PLACE
APARTMENTS
RED WING, MN

REVISIONS COMMENTS

REVISIONS COMMENTS

Project No.
18011
Submittal Date:
10-4-18
Document Set:
PERMIT SET

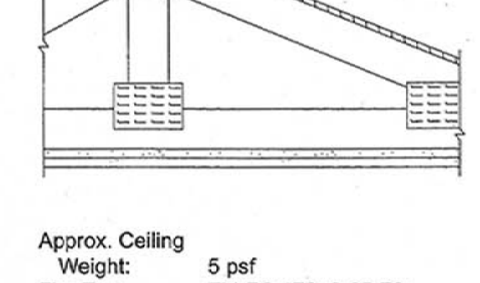
A901

PLOTTED: 10-4-18 FILE: 18011ULWM COM: 4

GA FILE NO. RC 2602	GENERIC	1 HOUR FIRE

WOOD TRUSSES, GYPSUM WALLBOARD

Base layer 5/8" type X gypsum wallboard applied at right angles to wood roof trusses 24" o.c. with 1 1/4" Type W or S drywall screws 24" o.c. **Face** layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to trusses with 1 7/8" Type W or S drywall screws 12" o.c. at joints and intermediate trusses and 1 1/2" Type G drywall screws 12" o.c. placed 2" back on either side of end joints. Joints offset 24" from base layer joints. Wood trusses supporting 1/2" wood structural panels applied at right angles to trusses with 8d nails. Appropriate roof covering. **Ceiling provides one hour fire resistance protection for trusses.**



Approx. Ceiling Weight: 5 psf
Fire Test: FM FC 172, 2-25-72; ITS, 8-6-98

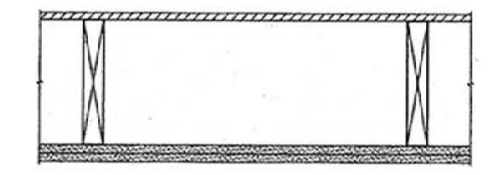
⑫ 1 HR. ROOF / CEILING ASSEMBLY

ROOF-CEILING SYSTEMS

GA FILE NO. RC 2601	GENERIC	1 HOUR FIRE

GYPSUM BOARD, WOOD JOISTS, ROOF COVERING

Base layer 5/8" type X gypsum wallboard applied at right angles to 2 x 10 wood joists 24" o.c. with 1 1/4" Type W or S drywall screws 24" o.c. **Face** layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to joists with 1 7/8" Type S drywall screws 12" o.c. at joints and intermediate joists and 1 1/2" Type G drywall screws 12" o.c. placed 2" back on either side of end joints. Joints offset 24" from base layer joints. Wood joists supporting 1/2" plywood with exterior glue applied at right angles to joists with 8d nails. Appropriate roof covering. **Ceiling provides one hour fire resistance protection for wood framing, including trusses.**

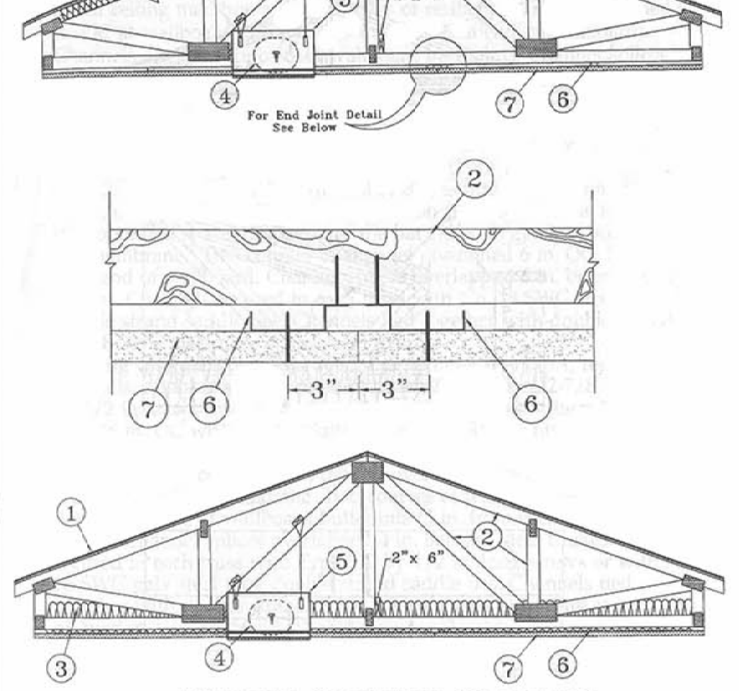


Approx. Ceiling Weight: 5 psf
Fire Test: FM FC 172, 2-25-72

⑤ 1 HR. ROOF / CEILING ASSEMBLY

Design No. P522

Unrestrained Assembly Rating — 1 Hr
Finish Rating — 25 Min (See Items 3 or 3A)



Alternate Insulation Placement

1. **Roofing System*** — Any UL Class A, B or C Roofing System (TGFU) or Prepared Roof Covering (TFWZ) acceptable for use over nom 15/32 in. thick wood structural panels, min. grade "C-D" or "Sheathing". Nom 15/32 in. thick wood structural panels secured to trusses with No. 6d ringed shank nails spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails. Construction adhesive may be used with either the nails or staples.
2. **Trusses** — Pitched or parallel chord wood trusses, spaced a max of 24 in. OC, fabricated from nom 2 by 4 lumber, with lumber oriented vertically or horizontally. Truss members secured together with min. 0.0356 in. thick galv steel plates. Plates have 5/16 in. long teeth projecting perpendicular to the plane of the plate. The teeth are in pairs facing each other (made by the same punch), forming a split tooth type plate. Each tooth has a chisel point on its outside edge. These points are diagonally opposite each other for each pair. The top half of each tooth has a twist for stiffness. The pairs are repeated on approximately 7/8 in. centers with four rows of teeth per inch of plate width. Where the truss intersects with the interior face of the exterior walls, the min truss depth shall be 5-1/4 in. with a min roof slope of 3/12 and a min. area in the plane of the truss of 21 sq/ft. Where the truss intersects with the interior face of the exterior walls, the min truss depth may be reduced to 3 in. if the batts and blankets (Item 3) are used as shown in the above illustration (Alternate Insulation Placement) and are firmly packed against the intersection of the bottom chords and the plywood sheathing.
3. **Batts and Blankets*** — (Optional) — Glass fiber insulation, secured to the wood structural panels with staples spaced 12 in. OC or to the trusses with 0.090 in. diam galv steel wires spaced 12 in. OC. Any glass fiber insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance, having a min density of 0.5 pcf. As an option, the insulation may be fitted in the concealed space, draped over the resilient channel/gypsum board ceiling membrane when resilient channels and gypsum board attachment is modified as specified in Items 6 and 7. The finished rating has only been determined when the insulation is secured to the decking.

3A. **Loose Fill Material*** — As an alternate to Item 3 — Any thickness of loose fill material bearing the UL Classification Marking for Surface Burning Characteristics, having a min density of 0.5 pcf, applied within the concealed space, over the resilient channel/gypsum board ceiling membrane when resilient channels and gypsum board attachment is modified as specified in Items 6 and 7. The finished rating when loose fill material is used has not been determined.
U S GREENFIBER L L C —Cocoon stabilized cellulose insulation.

4. **Air Duct*** — Any UL Class 0 or Class 1 flexible air duct installed in accordance with the instructions provided by the damper manufacturer.
5. **Ceiling Damper*** — Max nom area, 324 sq in. Max square size, 18 in. by 18 in. rectangular sizes not to exceed 324 sq in. with a max width of 18 in. Max damper height is 14 in. Installed in accordance with manufacturers installation instructions provided with the damper. Max damper openings not to exceed 162 sq in. per 100 sq ft of ceiling area.
C&S AIR PRODUCTS —Model RD-521
POTTORFF —Model CFD-521

5A. **Alternate Ceiling Damper*** — Max nom area, 196 sq in. Max square size, 14 in. by 14 in. Rectangular sizes not to exceed 196 sq in. with a max width of 24 in. Max overall damper height is 7 in. Installed in accordance with the manufacturers installation instructions provided with the damper. Max damper openings not to exceed 196 sq in. per 100 sq ft of ceiling area.
C&S AIR PRODUCTS —Model RD-521-BT
POTTORFF —Model CFD-521-BT.

6. **Furring Channels** — Resilient channels, nom. 1/2 in. deep by 2-3/8 in. wide at the base and 1-3/8 in. wide at the face, formed from 0.020 in. thick galv steel. Installed perpendicular to the trusses (Item 2), spaced a max of 16 in. OC when no insulation (Item 3 or 3A) is fitted in the concealed spaced, or a max of 12 in. OC when insulation (Item 3 or 3A) is fitted in the concealed space, draped over the resilient channel/gypsum board ceiling membrane. Two courses of resilient channel positioned 6 in. OC at wallboard butt-joints (3 in. from each end of wallboard). Channels oriented opposite at wallboard butt-joints. Channel splices overlapped 4 in. beneath wood trusses. Channels secured to each truss with 1-1/4 in. long Type S screws.

6A. **Steel Framing Members** — (Not Shown)* — As an alternate to Item 6, furring channels and Steel Framing Members as described below:
   a. **Furring Channels** — Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to trusses when no insulation (Items 3 or 3A) is fitted in the concealed space or 12 in. OC when insulation (Items 3 or 3A) is fitted in the concealed space, draped over the furring channel/gypsum board ceiling membrane or 24 in. OC when insulation (Items 3 or 3A) is fitted in the concealed space, draped over the furring channel/gypsum board ceiling membrane and a second layer of gypsum board is attached as described in Item 7 for steel framing members. Channels secured to joists as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap.
   b. **Steel Framing Members** — Used to attach furring channels (Item a) to trusses (Item 2). Clips spaced 48 in. OC and secured to alternating trusses with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips. Adjoining channels are overlapped as described in Item a. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Additional clips required to hold furring channel that supports the gypsum board butt joints, as described in Item 7.
   PAC INTERNATIONAL INC — Type RSIC-1.

7. **Gypsum Board*** — One layer of nom 5/8 in. thick by 48 in. wide boards, installed with long dimension parallel to trusses. Attached to the resilient channels using 1 in. long Type S bugle-head screws. Screws spaced a max of 12 in. OC along butted end-joints and in the field when no insulation (Item 3 or 3A) is fitted in the concealed spaced, or a max of 8 in. OC along butted end-joints and in the field when insulation (Item 3 or 3A) is fitted in the concealed space, draped over the resilient channel/gypsum board ceiling membrane.
When **Steel Framing Members*** (Item 6A) are used, sheets installed with long dimension perpendicular to furring channels and side joints of sheet located beneath trusses. Gypsum board screws are driven through channel spaced 12 in. OC in the field when no insulation (Item 3 or 3A) is fitted in the concealed space, or 8 in. OC in the field when insulation (Item 3 or 3A) is fitted in the concealed space, draped over the furring channel/gypsum board ceiling membrane. Gypsum board butt joints shall be staggered min. 2 ft. within the assembly, and occur between the main furring channels. At the gypsum board butt joints, each end of the gypsum board shall be supported by a single length of furring channel equal to the width of the wallboard plus 6 in. on each end. The furring channels shall be spaced approximately 3-1/2 in. OC, and be attached to the trusses with one RSIC-1 clip at each end of the channel. Screw spacing along the butt joint to attach the gypsum board to the furring channels shall be 8 in. OC. Second (outer) layer of gypsum board required when furring channels (Item 6A, a) are spaced 24 in. OC and insulation is fitted in the concealed space, draped over the furring channel/gypsum board ceiling membrane. Outer layer of gypsum board attached to the furring channels using 1-5/8 in. long Type S bugle-head screws spaced 8 in. OC at butted joints and 12 in. OC in the field. Butted end joints of outer layer to be offset a minimum of 8 in. from base layer end joints. Butted side joints of outer layer to be offset minimum 18 in. from butted side joints of base layer.
CANADIAN GYPSUM COMPANY —Types C, IP-X2, IPC-AR.
UNITED STATES GYPSUM CO —Types C, IP-X2, IPC-AR.
USG MEXICO S A DE C V —Types C, IP-X2, IPC-AR.
8. **Finishing System** — (Not Shown) — Vinyl, dry or premixed joint compound, applied in two coats to joints and screw-heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nom 3/32 in. thick veneer plaster may be applied to the entire surface of gypsum board.
Alternate Ceiling Membrane — Not Shown.
9. **Steel Framing Members** —
   a. **Main runners** — Installed perpendicular to Structural Steel Members — Nom 10 or 12 ft long, 15/16 in. or 1-1/2 in. wide face, spaced 4 ft OC. Main runners hung a min of 2 in. from bottom chord of Structural Steel Members with 12 SWG galv steel wire. Wires located a max of 48 in. OC.
   b. **Cross tees or channels** — Nom 4 ft long, 15/16 in. or 1-1/2 in. wide face or cross channels, nom 4 ft long, 1-1/2 wide face, installed perpendicular to the main runners, spaced 16 in. OC. Additional cross tees or channels used at 8 in. from each side of butted gypsum board end joints. The cross tees or channels may be riveted or screw-attached to the wall angle or channel to facilitate the ceiling installation.
   c. **Wall angles or channels** — Used to support steel framing member ends and for screw-attachment of the gypsum wallboard — Min 0.016 in. thick painted or galvanized steel angle with 1 in. legs or min. 0.016 in. thick painted or galvanized steel channel with a 1 by 1-1/2 by 1 in. profile, attached to walls at perimeter of ceiling with fasteners 16 in. OC.
   CGC INTERIORS, DIV OF
   CGC INC — Type DGL or RX.
   USG INTERIORS INC — Type DGL or RX.
10. **Gypsum Board*** — For use with Steel Framing Members (Item 9) when Batts and Blankets* (Item 6) are not used - One layer of nom 5/8 in. thick by 48 in. wide boards, installed with long dimension parallel to the main runners. Gypsum board fastened to each cross tee or channel with five wallboard screws, with one screw located at the midspan of the cross tee or channel, one screw located 12 in. from and on each side of the cross tee or channel mid span and one screw located 1-1/2 in. from each gypsum board side joint. Except at wallboard end joints, wallboard screws shall be located on alternating sides of cross tee flange. At gypsum board end joints, gypsum board screws shall be located 1/2 in. from the joint. Gypsum board fastened to main runners with wallboard screws 1/2 in. from side joints, midway between intersections with cross tees or channels (16 in. OC). End joints of adjacent gypsum board sheets shall be staggered not less than 32 in. Gypsum board sheets screw attached to leg of wall angle with wallboard screws spaced 12 in. OC. Joints treated as described in Item 7.For use with **Steel Framing Members*** (Item 9) when **Batts and Blankets*** (Item 6) are used - Ratings limited to 1 Hour - 5/8 in. thick, 4 ft wide; installed with long dimension perpendicular to cross tees with side joints centered along main runners and end joints centered along cross tees. Fastened to cross tees with 1 in. long steel gypsum board screws spaced 8 in. OC in the field and 8 in. OC along end joints. Fastened to main runners with 1 in. long gypsum board screws spaced midway between cross tees. Screws along sides and ends of boards spaced 3/8 to 1/2 in. from board edge. End joints of the sheets shall be staggered with spacing between joints on adjacent boards not less than 4 ft OC.
CANADIAN GYPSUM COMPANY — Type C or IP-X2.
UNITED STATES GYPSUM CO — Type C or IP-X2.
USG MEXICO S A DE C V — Type C or IP-X2.

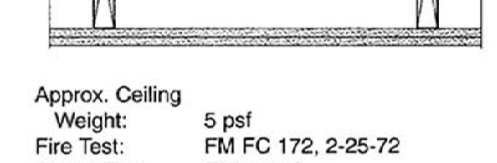
*Bearing the UL Classification Mark

④ 1 HR. ROOF / CEILING ASSEMBLY

GA FILE NO. FC 5406	GENERIC	1 HOUR FIRE	35 to 39 STC SOUND

WOOD JOISTS, GYPSUM WALLBOARD

Base layer 5/8" type X gypsum wallboard applied at right angles to 2 x 10 wood joists 24" o.c. with 1 1/4" Type W or S drywall screws 24" o.c. **Face** layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to joists with 1 7/8" Type S drywall screws 12" o.c. at joints and intermediate joists and 1 1/2" Type G drywall screws 12" o.c. placed 2" back on either side of end joints. Joints offset 24" from base layer joints. Wood joists supporting 1/2" plywood with exterior glue applied at right angles to joists with 8d nails. **Ceiling provides one hour fire resistance protection for wood framing, including trusses.**



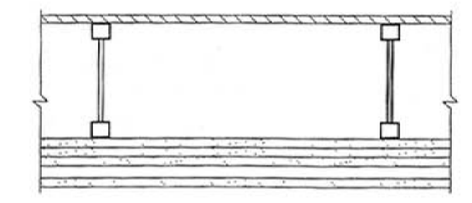
Approx. Ceiling Weight: 5 psf
Fire Test: FM FC 172, 2-25-72
Sound Test: Estimated

⑥ 1 HR. FLOOR / CEILING ASSEMBLY

GA FILE NO. RC 2750	GENERIC	2 HOUR FIRE

GYPSUM WALLBOARD, RIGID FURRING CHANNELS
WOOD JOISTS or WOOD I-JOISTS, ROOF COVERING

Base layer 5/8" type X gypsum wallboard applied at right angles to either 2 x 8 wood joists or 9 1/2" deep wood I-joists 24" o.c. with 1 1/4" Type W drywall screws 12" o.c. **Second** layer 5/8" type X gypsum wallboard applied at right angles to joists or I-joists with 2" Type W drywall screws 12" o.c. Second layer joints offset 24" from base layer joints. **Third** layer 5/8" type X gypsum wallboard applied at right angles to joists or I-joists with 2 1/2" Type W drywall screws 12" o.c. Third layer joints offset 12" from second layer joints. Hat-shaped rigid furring channels 24" o.c. applied at right angles to joists or I-joists over third layer with two 2 1/2" long Type W drywall screws at each joist or I-joist. **Face** layer 5/8" type X gypsum wallboard applied at right angles to furring channels with 1 1/8" Type S drywall screws 12" o.c. Wood joists or I-joists supporting 3/4" T & G edge plywood applied at right angles to joists or I-joists with 8d nails 6" o.c. at joints and 12" at intermediate joists or I-joists. Appropriate roof covering. **Ceiling provides two-hour fire-resistance protection for wood framing.**



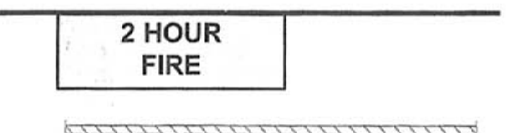
Approx. Ceiling Weight: 12 psf
Fire Test: UL R4024, 00NK26545, 4-27-01; UL R4042, 03NK11206, 3-19-03; UL Design L556; ULC Design M514

⑪ 2 HR. ROOF / CEILING ASSEMBLY

GA FILE NO. FC 5725	GENERIC	2 HOUR FIRE

WOOD FLOOR, WOOD JOISTS, GYPSUM WALLBOARD,
RIGID FURRING CHANNELS

Base layer 5/8" type X gypsum wallboard applied at right angles to 2 x 8 wood joists 24" o.c. with 1 1/4" Type W drywall screws 12" o.c. **Second** layer 5/8" type X gypsum wallboard applied at right angles to joists with 2" Type W drywall screws 12" o.c. Second layer joints offset 24" from base layer joints. **Third** layer 5/8" type X gypsum wallboard applied at right angles to joists with 2 1/2" Type W drywall screws 12" o.c. Third layer joints offset 12" from second layer joints. Hat-shaped rigid furring channels 24" o.c. applied at right angles to joists over third layer with two 2 1/2" long Type W drywall screws at each joist. **Face** layer 5/8" type X gypsum wallboard applied at right angles to furring channels with 1 1/8" Type S drywall screws 12" o.c. Wood joists supporting 3/4" T & G edge plywood floor applied at right angles to joists with 8d nails 6" o.c. at joints and 12" at intermediate joists. **Ceiling provides two-hour fire-resistance protection for wood framing.**

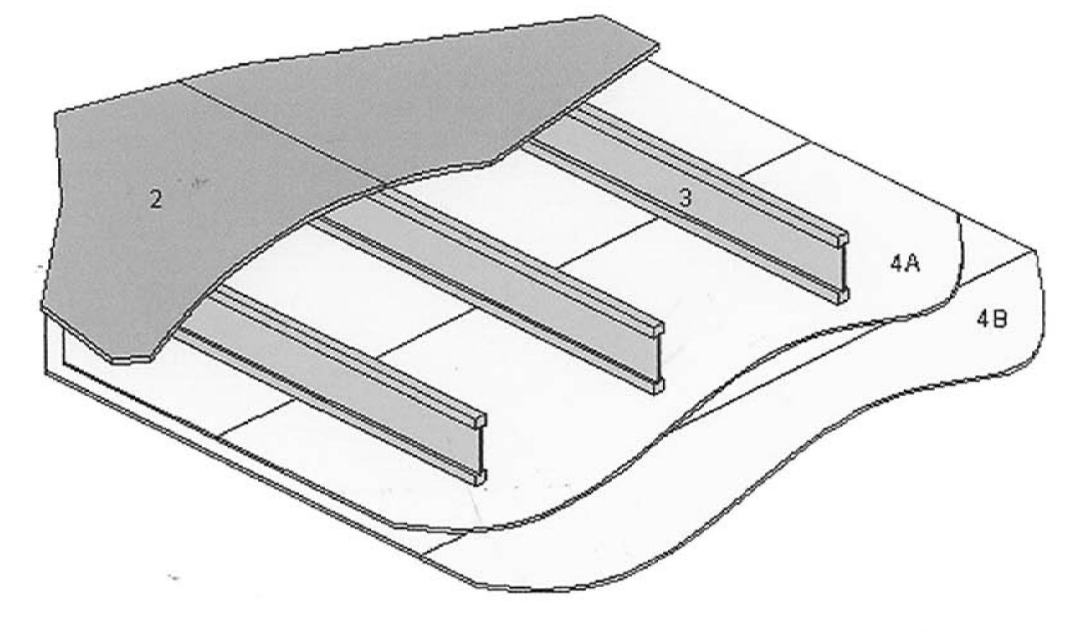


Approx. Ceiling Weight: 12 psf
Fire Test: UL R4024, 00NK26545, 4-27-01; UL R4024, 03NK11206, 3-19-03; UL Design L556; ULC Design M514

⑩ 2 HR. FLOOR / CEILING ASSEMBLY

WIJ-1.5 One-Hour Fire-Resistive Ceiling Assembly

Floor[a]/Ceiling - 100% Design Load - 1 Hour Rating - ASTM E 119 / NFPA 251



1. Floor Topping (optional, not shown): Gypsum concrete, lightweight or normal concrete topping.

2. Floor Sheathing: Minimum 23/32 inch thick tongue-and-groove wood sheathing (Exposure 1). Installed per code requirements with minimum 8d common nails.

3. Structural Members: Wood I-joists spaced a maximum of 24 inches on center.

Minimum I-joist flange depth: 1-1/2 inches
Minimum I-joist flange area: 2.25 inches^2
Minimum I-joist web thickness: 3/8 inch
Minimum I-joist depth: 9-1/4 inches

4. Gypsum Wallboard: Two layers of minimum 1/2 inch Type X gypsum wallboard attached with the long dimension perpendicular to the I-joists as follows:

4a. Wallboard Base Layer: Base layer of wallboard attached to bottom flange of I-joists using 1-5/8 inch Type S drywall screws at 12 inches on center. End joints of wallboard centered on bottom flange of the I-joist and staggered.

4b. Wallboard Face Layer: Face layer of wallboard attached to bottom flange of I-joists through base layer using 2 inch Type S drywall screws spaced 12 inches on center on intermediate joists and 8 inches on center at end joints. Edge joints of wallboard face layer offset 24 inches from those of base layer. End joints centered on bottom flange of I-joists and offset a minimum of one joist spacing from those of base layer. Additionally, wallboard face layer attached to base layer with 1-1/2 inch Type G drywall screws spaced 8 inches on center, placed 6 inches from face layer end joints.

5. Finish System (not shown): Face layer joints covered with tape and coated with joint compound. Screw heads covered with joint compound.

Fire Tests conducted at Factory Mutual Research — September 29, 1978
Third Party Witness: Factory Mutual Research — Report No: FC-268
PFS Test Report #86-09-1 — July 28, 1986

STC and IIC Sound Ratings for Listed Assembly

Without Gypsum Concrete				With Gypsum Concrete			
Cushioned Vinyl		Carpet & Pad		Cushioned Vinyl		Carpet & Pad	
STC	IIC	STC	IIC	STC	IIC	STC	IIC
-	-	-	-	-	-	49 [b]	55 [b]

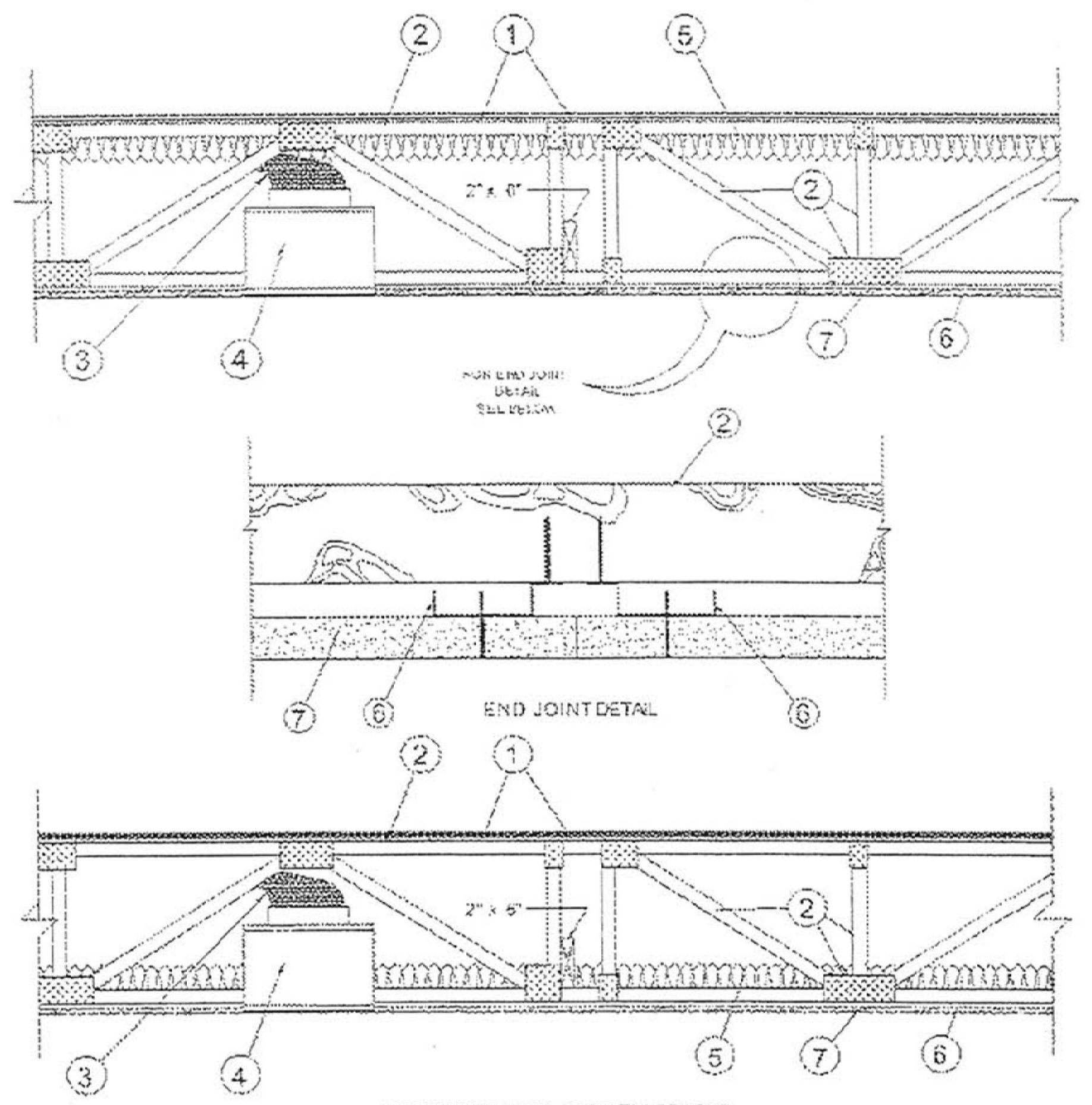
[a] This assembly may also be used in a fire-rated roof/ceiling application, but only when constructed exactly as described.

[b] STC and IIC values estimated by David L. Adams Associates, Inc

③ 1 HR. ROOF / CEILING & FLOOR / CEILING ASSEMBLY

Design No. L563

December 28, 2007
Unrestrained Assembly Rating - 1 Hr
Finish Rating - 25 Min (See Items 5 or 5A)
Load Restricted for Canadian Applications — See Guide BXUV7



ALTERNATE INSULATION PLACEMENT

1. **Flooring System** — The flooring system shall consist of one of the following:

System No. 1

Subflooring — Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood panels secured to trusses with construction adhesive and No. 6d ringed shank nails spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.

Vapor Barrier - (Optional) — Nom 0.030 in. thick commercial asphalt saturated felt.

Finish Flooring — Min 1 by 4 in. T & G lumber fastened diagonally to trusses, or min 15/32 in. thick wood structural panels, min grade "Underlayment" or "Single Floor". Face grain of plywood or strength axis of panel to be perpendicular to trusses with joints staggered.

System No. 2

Subflooring — Min 23/32 in. thick T & G wood structural panels installed perpendicular to trusses with end joints staggered 4 ft. Plywood or nonveneer APA rated panels secured to trusses with construction adhesive and No. 6d ringed shank nails spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.

Floor Mat Materials* - (Optional) — Nom 6 mm thick floor mat material adhered to subfloor with Hacker Floor Primer. Primer to be applied to the surface of the mat prior to the placement of floor-topping mixture. When floor mat material is used, min thickness of floor topping mixture is 1 in.

HACKER INDUSTRIES INC — Type Hacker Sound-Mat

Alternate Floor Mat Materials* — (Optional) — Floor mat material nom 10 mm thick adhered to subfloor with Hacker Floor Primer. Primer to be applied to the surface of the mat prior to the placement of a min 1-1/2 in. of floor-topping mixture.

HACKER INDUSTRIES INC — Type Hacker Sound-Mat II.

Alternate Floor Mat Materials* — (Optional) — Floor mat material nom 1/4 in. thick loose laid over the subfloor. Floor topping thickness shall be a min of 1 in.

HACKER INDUSTRIES INC — Type Quiet Qurl 55/025

Alternate Floor Mat Materials* — (Optional) — Floor mat material nom 3/8 in. thick loose laid over the subfloor. Floor topping thickness shall be a min of 1-1/2 in.

HACKER INDUSTRIES INC — Type Quiet Qurl 60/040

Alternate Floor Mat Materials* — (Optional) — Floor mat material nom 3/4 in. thick loose laid over the subfloor. Floor topping thickness shall be a min of 1-1/2 in.

HACKER INDUSTRIES INC — Type Quiet Qurl 65/075

Metal Lath (Optional) — For use with 3/8 in. or 10 mm floor mat materials, 3/8 in. expanded steel diamond mesh, 3.4 lbs/sq yd placed over the floor mat material. Hacker Floor Primer to be applied prior to the placement of the metal lath. When metal lath is used, floor topping thickness a nom 1-1/4 in. over the floor mat.

Finish Flooring - Floor Topping Mixture* — Min 3/4 in. thickness of floor topping mixture having a min compressive strength of 1100 psi. Mixture shall consist of 6.8 gal of water to 80 lbs of floor topping mixture to 1.9 cu ft of sand.

HACKER INDUSTRIES INC — Firm-Fill Gypsum Concrete, Firm-Fill 2010, Firm-Fill 3310, Firm-Fill 4010, Firm-Fill High Strength, Gyp-Span Radiant

2. **Trusses** — Parallel chord trusses, spaced a max of 24 in. OC, fabricated from nom 2 by 4 lumber, with lumber oriented vertically or horizontally. Min truss depth is 12 in. Truss members secured together with min 0.036 0356 in. thick galvanized steel plates. Plates have 5/16 in. long teeth projecting perpendicular to the plane of the plate. The teeth are in pairs facing each other (made by the same punch), forming a split tooth type plate. Each tool has a chisel point on its outside edge. These points are diagonally opposite each other for each pair. The top half of each tooth has a twist for stiffness. The pairs are repeated on approx. 7/8 in. centers with four rows of teeth per inch of plate width.

3. **Air Duct*** — Any UL Class 0 or Class 1 flexible air duct installed in accordance with the instructions provided by the damper manufacturer.

4. **Ceiling Damper* - (Optional)** — For use with min 18 in. deep trusses Max plenum box size nom 19 in. long by 19 in. wide and 11-7/8 in. high fabricated from galv steel. Aggregate damper openings shall not exceed 128 sq in. per 100 sq ft of ceiling area. Damper installed in accordance with the manufacturers installation instructions provided with the damper.

AIRE TECHNOLOGIES INC — Models: CRD model 50 w/Boot, CRD model 50EA w/Boot, CRD model 55 w/Boot, CRD model 55 EA w/Boot.

LLOYD INDUSTRIES INC — Model CRD 50-BT, CRD 50-EA-BT, CRD 55-BT, CRD 55 EA-BT

4A. **Alternate Ceiling Damper* - (Optional)** — For use with min 18 in. deep trusses Max plenum box size nom 13 in. long by 13 in. wide and 11-7/8 in. high fabricated from galv steel. Aggregate damper openings shall not exceed 50 sq in. per 100 sq ft of ceiling area. Damper installed in accordance with the manufacturers installation instructions provided with the damper.

LLOYD INDUSTRIES INC — Model CRD 50-BT-6, CRD 50-EA-BT-6, CRD 55-BT-6, CRD 55 EA-BT-6

4B. **Alternate Ceiling Damper* - (Optional)** — For use with min 18 in. deep trusses Max size ceiling outlet in plenum box nom 12 in. long by 12 in. wide. Plenum box fabricated from galv steel. Aggregate damper openings shall not exceed 72 sq in. per 100 sq ft of ceiling area. Installed in accordance with the manufacturers installation instructions provided with the damper.

AIRE TECHNOLOGIES INC — Models: CRD model 50 w/Boot, CRD model 50EA w/Boot, CRD model 55 w/Boot, CRD model 55 EA w/Boot.

LLOYD INDUSTRIES INC — Model CRD 50-95BT, CRD 50-EA-95BT, CRD 55-95BT, CRD 55 EA-95BT

4C. **Alternate Ceiling Damper*** — (Optional) - For use with min 18 in. deep trusses. Max size ceiling outlet in plenum box nom 16 in. long by 16 in. wide. Aggregate damper openings shall not exceed 128 sq in. per 100 sq ft of ceiling area. Damper installed in accordance with the manufacturers installation instructions provided with the damper.

CROWN PRODUCTS CO INC — Models CRD50-FGPB-4.2-CP, -6.0-CP; CRD50-FGPB-4.2-EA-CP, -6.0-EA-CP.

LLOYD INDUSTRIES INC — Models CRD 50- FGPB-4.2, - 4.2 NI, -6.0, -6.0 NI; CRD50-EA-FGPB-4.2, -4.2 NI, -6.0, -6.0 NI.

5. **Batts and Blankets*** — Glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. When the resilient channels (Item 6) are spaced 16 in. OC, the insulation shall be a max of 3-1/2 in. thick, and shall be secured against the subflooring with staples at 12 in. OC or held suspended in the concealed space with 0.090 in. diam galv steel wires attached to the wood trusses at 12 in. OC. When the resilient channels are spaced a max of 12 in. OC or when the Steel Framing Members (Item 6A) are used, there is no limit in the overall thickness of insulation, and the insulation can be secured against the subflooring, held suspended in the concealed space or draped over the resilient channels (or Steel Framing Members) and gypsum panel membrane. The finished rating has only been determined when the insulation is secured to the subflooring.

5A. **Loose Fill Material*** — As an alternate to Item 5, when the resilient channels (Item 6) are spaced a max of 12 in. OC, or when the Steel Framing Members (Item 6A) are used - Any loose fill material bearing the UL Classification Marking for Surface Burning Characteristics. There is no limit in the overall thickness of insulation. The finished rating when loose fill material is used has not been determined

6. **Resilient Channels** — Formed from min 0.020 in. thick galv steel, 1/2 in. deep by 2 in. wide at the base and 1-1/4 in. wide at the face, spaced 16 in. OC perpendicular to trusses. When insulation (Items 5 or 5A) is applied over the resilient channel/gypsum panel ceiling membrane, the resilient channel spacing shall be reduced to 12 in. OC. Channels secured to each truss with 1-1/4 in. long Type S bugle head steel screws. Channels overlapped 4 in. at splices. Two channels, spaced 6 in. OC, oriented opposite each gypsum panel end joint as shown in the above illustration. Additional channels shall extend min 6 in. beyond each side edge of panel.

6A. **Alternate Steel Framing Members** — (Not Shown) - As an alternate to Items 6, main runners, cross tees, cross channels and wall angle as listed below:

A. **Main Runners** — Nom 10 or 12 ft long, 15/16 in. or 1-1/2 in. wide face, spaced 4 ft. OC. Main runners suspended by min 12 SWG galv steel hanger wires spaced 48 in. OC. Hanger wires to be located adjacent to main runner/cross tee intersections. Hanger wires wrapped and twist-tied on 16d nails driven in to side of trusses at least 5 in. above the bottom face.

B. **Cross Tees** — Nom 4 ft long, 1-1/2 in. wide face, installed perpendicular to the main runners, spaced 16 in. OC. Additional cross tees or cross channels used at 8 in. from each side of butted gypsum panel end joints. The cross tees or cross channels may be riveted or screw attached to the wall angle or channel to facilitate the ceiling installation.

C. **Cross Channels** — Nom 4 or 12 ft long, installed perpendicular to main runners, spaced 16 in. OC.

D. **Wall Angle or Channel** — Painted or galv steel angle with 1 in. legs or channel with 1 in. legs, 1-9/16 in. deep attached to walls at perimeter of ceiling with fasteners 16 in. OC. To support steel framing member ends and for screw-attachment of the gypsum panel.

CGC INC — Type DGL or RX.

USG INTERIORS INC — Type DGL or RX.

6B. **Steel Framing Members*** — (Optional, Not Shown) - Used as an alternate method to attach min. 1/2 in. deep resilient channels (Item 6) to wood trusses (Item 2). Resilient channels are friction fitted into clips, and then clips are secured to the bottom chord of each wood truss with a min. 1-3/4 in. long Type S bugle head steel screw through the center hole of the clip and the resilient channel flange. Adjoining resilient channels are overlapped 4 in. under trusses. The clip flange is opened slightly to accommodate the two overlapped channels. Additional clips required to hold resilient channel that supports the gypsum board butt joints, as described in Item 7.

KEENE BUILDING PRODUCTS CO INC — Type RC Assurance.

7. **Gypsum Board*** — Nom 5/8 in. thick, 48 in. wide gypsum panels. When resilient channels (Item 6) are used, gypsum panels installed with long dimension perpendicular to resilient channels. Gypsum panels secured with 1 in. long Type S bugle head steel screws spaced 12 in. OC and located a min of 1/2 in. from side joints and 3 in. from end joints. When insulation (Items 5 or 5A) is applied over the resilient channel/gypsum panel ceiling membrane the screw spacing shall be reduced to 8 in. OC. End joints secured to both resilient channels as shown in end joint detail. When Steel Framing Members (Item 6A) are used, gypsum panels installed with long dimension perpendicular to cross tees with side joints centered along main runners and end joints centered along cross tees. Panels fastened to cross tees with 1 in. long Type S bugle-head screws spaced 8 in. OC in the field and along end joints. Panels fastened to main runners with 1 in. long Type S bugle-head screws spaced midway between cross tees. Screws along sides and ends of panels spaced 3/8 to 1/2 in. from board edge. End joints of panels shall be staggered with spacing between joints on adjacent panels not less than 2 ft OC.

CANADIAN GYPSUM COMPANY — Types C, IP-X2, IPC-AR

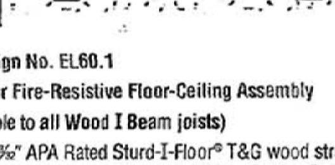
UNITED STATES GYPSUM CO — Types C, IP-X2, IPC-AR

USG MEXICO S A DE C V — Types C, IP-X2, IPC-AR

8. **Finishing System - (Not Shown)** — Vinyl, dry or premixed joint compound, applied in two coats to joints and screw-heads. Nom 2 in. wide paper tape embedded in first layer of compound over all joints. As an alternate, nom 3/32 in. thick veneer plaster may be applied to the entire surface of gypsum board.

*Bearing the UL Classification Mark

⑮ 1 HR. FLOOR / CEILING ASSEMBLY



G-P Design No. EL60.1

One-Hour Fire-Resistive Floor-Ceiling Assembly

(Applicable to all Wood I Beam joists)

Floor—23/32" APA Rated Sturd-I-Floor® T&G wood structural panel, face grain perpendicular to joists, glued-nailed to joists with 1/4" bead of exterior construction adhesive and 8d common nails spaced per code requirements. Maximum joist spacing 24" o.c.

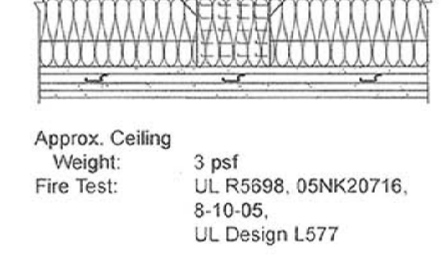
Ceiling—Two layers 5/8" Type X gypsum wallboard applied with long dimension perpendicular to joists—base layer attached to bottom flange of joists with 1 1/4" Type S drywall screws, 24" o.c., face layer attached to joists through base layer with 1 7/8" Type S drywall screws 12" o.c. at joints and intermediate joists and 1 1/2" Type G drywall screws 12" o.c. placed 2" back on either side of end joints. Joints offset 24" from base layer end and edge joints.

② 1 HR. FLOOR / CEILING ASSEMBLY

GA FILE NO. FC 5752	PROPRIETARY*	2 HOUR FIRE

WOOD TRUSSES, WOOD STRUCTURAL PANELS, GYPSUM FLOOR TOPPING, RESILIENT CHANNELS, GLASS OR MINERAL FIBER BATT OR LOOSE FILL INSULATION, GYPSUM WALLBOARD

Base layer 5/8" proprietary type X gypsum wallboard or gypsum veneer base applied at right angles to minimum 12" deep parallel chord wood trusses 24" o.c. with 1 5/8" Type S drywall screws 8" o.c. Resilient channels 16" o.c. applied at right angles to trusses with 1 7/8" Type S drywall screws to each truss. **Second layer** 5/8" proprietary type X gypsum wallboard or gypsum veneer base applied at right angles to resilient channels with end joints centered on channels with 1" Type S-12 drywall screws 8" o.c. **Face layer** 5/8" proprietary type X gypsum wallboard or gypsum veneer base applied at right angles to channels with 1 5/8" Type S-12 drywall screws 8" o.c. Face layer joints offset 16" from second layer joints. Glass or mineral fiber batt, blanket, or loose-fill insulation applied directly over gypsum board. Wood trusses supporting 23/32" nominal wood structural panel subfloor applied at right angles to trusses with construction adhesive and 6d ring shank nails 12" o.c. Minimum 1/2" proprietary gypsum floor topping applied over subfloor.



Approx. Ceiling Weight: 3 psf
Fire Test: UL R5698, 05NK20716, 8-10-05, UL Design L577

PROPRIETARY GYPSUM COMPONENTS

United States Gypsum Company
- 5/8" SHEETROCK® Brand FIRECODE® C Core Gypsum Panels
- LEVELROCK® Brand Floor Underlayment

⑦ 2 HR. FLOOR / CEILING ASSEMBLY

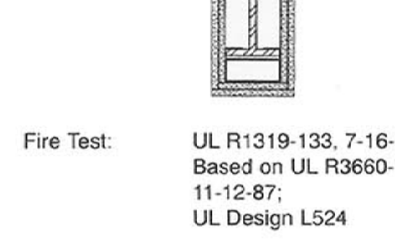
BEAMS, GIRDERS, AND TRUSSES, NONCOMBUSTIBLE

GA FILE NO. BM 1137	PROPRIETARY †	1 HOUR FIRE

STEEL FRAME, GYPSUM WALLBOARD

Base layer 1/2" proprietary type X gypsum wallboard applied to beam cage with 1" Type S-12 drywall screws 12" o.c. **Face** layer 1/2" proprietary type X gypsum wallboard applied to beam cage with 1 5/8" Type S-12 drywall screws 12" o.c. Joints offset from base layer joints.

Beam cage fabricated from No. 24 gage 7/8" x 1 3/8" steel angles screw attached to steel joists at beam top flange and No. 25 gage 2 1/2" steel runners hooked over beam lower flange and supporting 1 5/8" steel studs 24" o.c. Minimum beam size W8x15. **(One hour unrestrained beam.)**



Fire Test: UL R1319-133, 7-16-75; Based on UL R3660-7 & -8, 11-12-87; UL Design L524

PROPRIETARY GYPSUM BOARD

American Gypsum Company	-	1/2" FIREBLOC TYPE C
Celotex Corporation	-	1/2" FI-ROK PLUS™
Continental Gypsum	-	1/2" *MoreRock*® FireBar® Type C (CGTC-C)
G-P Gypsum	-	1/2" GyProc® Fireguard® C
James Hardie Gypsum	-	1/2" Hardirock® Brand Max "C"™ Gypsum Panels
Lafarge Gypsum	-	1/2" Firecheck® Type C
Temple-Inland Forest Products Corporation	-	1/2" TG-C
United States Gypsum Company	-	1/2" SHEETROCK® Brand Gypsum Panels, FIRECODE® C Core

⑨ 1 HR. BEAM ASSEMBLY

COLE GROUP
ARCHITECTS LLC.
216 Park Avenue South
Suite 102
Saint Cloud, MN 56301
(320) 654-6570
www.colegrouparchitects.com

These documents are not valid for building permit unless signed in ink and over sealed. Copies are not valid.

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the state of MINNESOTA
Date 10-4-18 # 22288
Name NORMAN E. COLE Signature

DEVELOPER:
KELLER/BAARTMAN
PROPERTIES
RED WING, MN
(651) 388-0000

PROPOSED 108 UNIT:
PARK PLACE
APARTMENTS
RED WING, MN

REVISIONS	COMMENTS

REVISIONS	COMMENTS

Project No.
18011
Submittal Date:
10-4-18
Document Set:
PERMIT SET

A902

PLOTTED: 10-4-18 FILE: 18011ULRC COM: 4