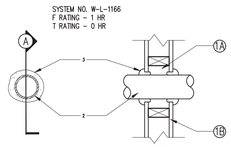
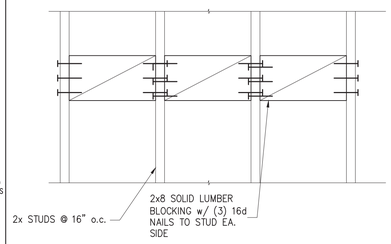


SECTION A–A

1. WALL ASSEMBLY
   THE 1 HR. FIRE RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN UL FIRE RESISTANCE DIRECTORY & SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   A. STUDS–WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STEEL. WOOD STUDS TO CONSIST OF NOM. 2 IN BY 4 IN. LUMBER SPACED 16 IN. O.C. STEEL STUDS TO BE MIN. 3 1/2 IN. WIDE & SPACED MAX. 24 IN. O.C.
   B. GYPSUM BOARD (BEARING THE UL CLASSIFICATION MARKING)–THICKNESS, TYPE, NUMBER OF LAYERS AND FASTENERS AS REQUIRED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. MAX. DIAM. OF OPENING IS 5 IN. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED
2. THROUGH – PENETRANTS
   ONE METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN THE PIPE, CONDUIT OR TUBING AND PERIPHERY OF THE OPENING SHALL BE MIN. OF 0 IN. (POINT CONTACT) TO A MAX. 1/8 IN. PIPE CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS, OR TUBING MAY BE USED:
   A. COPPER TUBING–NOM. 4 IN DIAM. (OR SMALLER) TYPE M (OR HEAVIER) COPPER TUBING.
   B. COPPER PIPE–NOM. 4 IN DIAM. (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
   C. STEEL PIPE–NOM. 4 IN DIAM. (OR SMALLER) SCHEDULE 5 (OR HEAVIER) STEEL PIPE.
   D. CONDUIT–NOM. 4 IN DIAM. (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR RIGID STEEL CONDUIT
   E. IRON PIPE–NOM. 4 IN DIAM. (OR SMALLER) CAST OR DUCTILE IRON PIPE
3. FILL, VOID OR CAVITY MATERIALS (BEARING THE UL CLASSIFICATION MARKING) –CAULK OR PUTTY MIN. 1/2 IN. DIAMETER BEAD CAULK OR PUTTY APPLIED CONTINUOUSLY AROUND THE PENETRATE ON THE WALL SURFACES ON BOTH SIDES OF THE WALL. 3M COMPANY – OP 25MB+ CAULK OF MPS–2+ PUTTY

13 THROUGH PENETRATION @ WALL

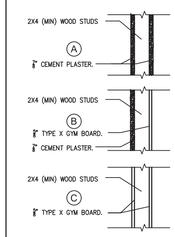
SCALE: NTS



PLEASE REFER TO DETAIL 8&11/A5.1
FOR LOCATION, HEIGHTS, AND DIMENSION REQUIREMENTS

10 GRAB BAR REINFORCEMENT

SCALE: 1"=1'–0"



2022 CBC TABLE 721.1(2)ITEM #		GYPSUM ASSOC. FILE#
15–1.2	2"X4" WOOD STUDS 16" ON CENTER WITH METAL LATH AND 3/4" CEMENT PLASTER ON EACH SIDE. LATH ATTACHED WITH 6D COMMON NAILS 7" ON CENTER DRIVEN TO 1" MINIMUM PENETRATION AND BENT OVER. PLASTER MIX 1:4 FOR SCRATCH COAT AND 1:5 FOR BROWN COAT, BY VOLUME, CEMENT TO SAND.	N/A
15–1.3	2"X4" WOOD STUDS 16" ON CENTER WITH 5/8" CEMENT PLASTER (MEASURED FROM THE FACE OF STUD) ON THE EXTERIOR SURFACE TREATMENT AS REQUIRED FOR INTERIOR WOOD STUD PARTITIONS IN THIS TABLE. PLASTER MIX 1:4 FOR SCRATCH COAT AND 1:5 FOR BROWN COAT, BY VOLUME, CEMENT TO SAND.	N/A
14–1.3	2"X4" WOOD STUDS 24" ON CENTER WITH 5/8" TYPE x GYPSUM WALLBOARD APPLIED VERTICALLY OR HORIZONTALLY NAILED WITH 6D COOLER OR WALLBOARD NAILS AT 7" ON CENTER WITH END JOINTS ON NAILING MEMBERS. STAGER JOINTS ON EACH SIDE.	WP 3510 & WP 3514

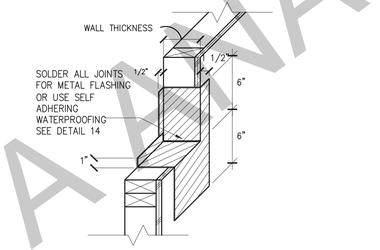
WP 3510 – ONE LAYER 5/8" TYPE X GYPSUM WALLBOARD OR GYPSUM VENEER BASE APPLIED PARALLEL OR AT RIGHT ANGLES TO EACH SIDE OF 2 X 4 WOOD STUDS 16" O.C. WITH 11/4" TYPE W DRYWALL SCREWS 12" O.C. JOINTS STAGGERED 16" ON OPPOSITE SIDES. (LOAD–BEARING)

WP 3514 – 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 24" O.C. WITH 6D COATED NAILS, 17/8" LONG, 0.0915" SHANK, 1/4" HEADS, 7" O.C. JOINTS STAGGERED 24" ON OPPOSITE SIDES. (LOAD–BEARING)

NOTE: THE ADDITION OF PLYWOOD SHEATHING TO THESE ASSEMBLIES DOES NOT LESSEN THEIR FIRE RESISTANCE.ATTACH WALL TO EXISTING OR NEW FIRE RATED FLOOR/CEILING ASSEMBLY AS REQUIRED.

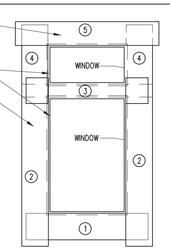
4 FIRE RESISTIVE 1–HOUR WOOD FRAMED WALLS

SCALE: NTS



1 WINDOW SILL FLASHING

SCALE: 1½"=1'–0"



FLASHING PAPER, MOISTOP FLASHING OR EQUAL, (9" WIDE MIN.) O/NAILING FIN @ TOP OF WINDOWS (HEAD) TYP. TWO CONTINUOUS BEADS OF MOISTOP SEALANT OR EQUAL UNDER FLASHING PAPER (1) O/NAILING FIN AND (1) AT TOP OF FLUSHING PAPER TYP.
NAIL'G FIN.

FLASHING PAPER, SELF SEALING MEMBRANE, (9" WIDE MIN.) O/WOOD FRAMING & UNDER NAILING FIN @ SIDE OF WINDOWS (JAMB) TYP.

NOTES:

1 = INDICATES SEQUENCE FOR INSTALLATION

9" MOIST STOP FLASHING PAPER TYP. OF FLASHING PAPER

THE ACTUAL NUMBER OF FLASHING PIECES REQUIRED IS DETERMINE BY THE RADIUS OF THE OPENING AND THE SIZE OF THE FLASHING. (9" WIDE FLASHING MIN.)

APPLY A CONTINUOUS BEAD OF SEALANT COMPLYING WITH AAMA 800 TO THE BACKSIDE (INTERIOR) OF THE WINDOW MOUNTING FLANGES

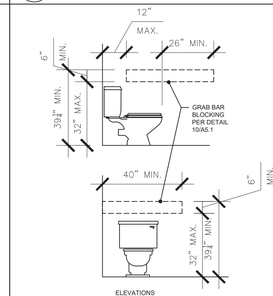
AT WINDOW HEAD, JAMBS AND SILL ALL CORROSIVE RESISTANT FASTENERS ARE TO BE NAILED THROUGH FIN NO CLOSER THAN 3" O.C. AND NOT MROE THAN 16" O.C.

FASTENERS SHALL BE WITHIN 10" FROM CORNERS NO NAILS SHALL BE BENT OVER THE NAILING FIN TO SECURE WINDOW

REFER TO AAMA 2400–10 STANDARD PRACTICE FOR INSTALLATION OF WINDOWS WITH MOUNTING FLANGES IN STUD CONSTRUCTION FOR ADDITIONAL REQUIREMENTS

14 WINDOW FLASHING

SCALE: NTS



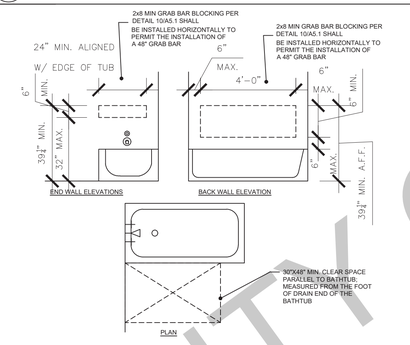
NOTES:
WHERE WATER CLOSETS ARE NOT PLACED ADJACENT TO A SIDE WALL, PROVIDE FOR INSTALLATION OF FLOOR-MOUNTED, FOLDAWAY OR SIMILAR ALTERNATIVE GRAB BARS. (SEC. 1134A.7.2

IN LOCATIONS WHERE WATER CLOSETS ARE ADJACENT TO NON-GRAB BAR WALLS, VANITIES, LAVATORIES OR BATHTUBS, THE CENTERLINE OF THE FIXTURE SHALL BE A MINIMUM OF 18 INCHES FROM THE OBSTACLE. (SEC. 1134A.7.1

WATER CLOSET CONTROLS SHALL BE MOUNTED NO MORE THAN 44 INCHES ABOVE THE FLOOR. THE FORCE TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS. (SEC. 1134A.7.4)

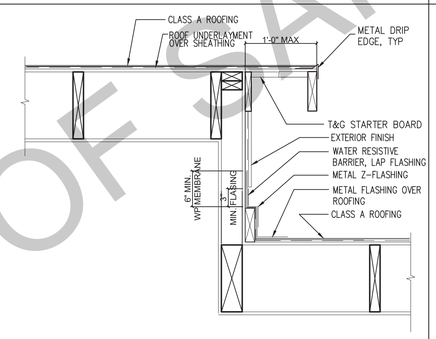
11 RESTROOM RES. WATER CLOSET (CBC 11A)

SCALE: NTS



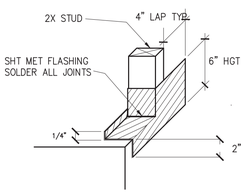
8 RESTROOM RES. BATHTUB/SHOWER (R327.1.1)

SCALE: NTS



5 DORMER TRANSITION AT TRADITIONAL

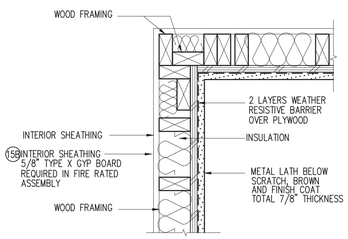
SCALE: 1"=1'–0"



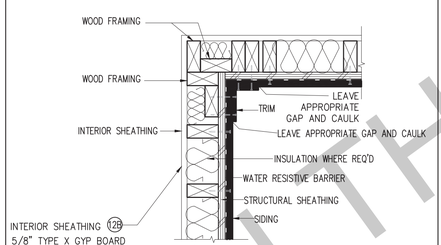
*PROVIDE SOLID BLOCKING AT ALL FLASHING LOCATIONS

2 DOOR THRESHOLD FLASHING

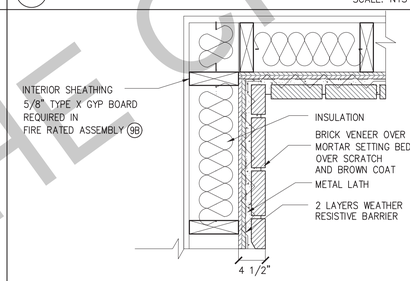
SCALE: 1½"=1'–0"



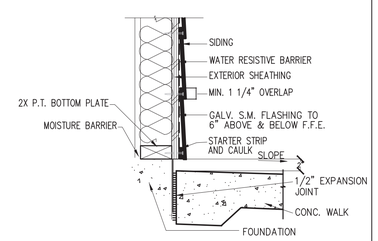
STUCCO AT INSIDE CORNER



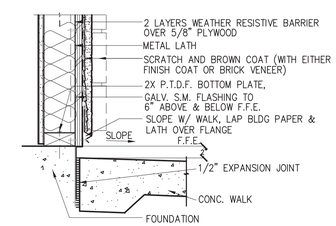
SIDING AT INSIDE CORNER



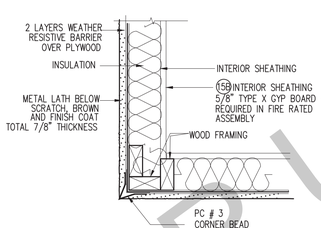
STONE VENEER AT INSIDE CORNER



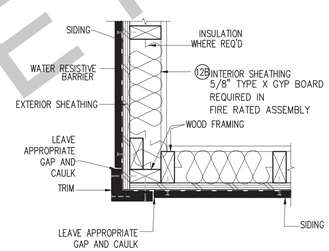
SIDING AT CONCRETE WALK



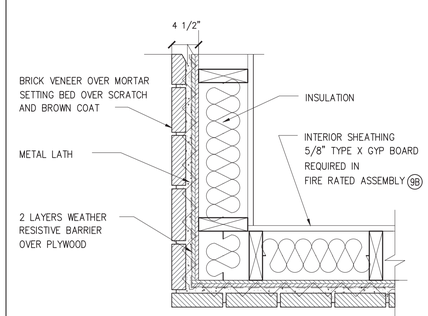
STUCCO / STONE WEEP SCREED AT CONCRETE WALK



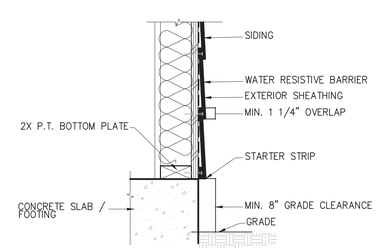
STUCCO AT OUTSIDE CORNER



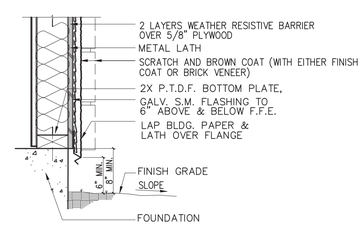
SIDING AT OUTSIDE CORNER



STONE VENEER AT OUTSIDE CORNER



SIDING AT GRADE



STUCCO / STONE WEEP SCREED AT GRADE

15B FIRE RATED STUCCO WALL

15 STUCCO WALL

SCALE: 1½"=1'–0"

12B FIRE RATED SIDING WALL

12 SIDING WALL

SCALE: 1½"=1'–0"

9B FIRE RATED STONE WALL

9 STONE WALL

SCALE: 1½"=1'–0"

6 SIDING – WALL SECTION

SCALE: 1½"=1'–0"

3 STUCCO/STONE – WALL SECTION

SCALE: 1½"=1'–0"

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