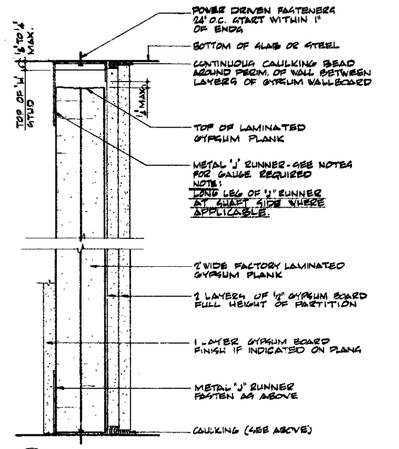
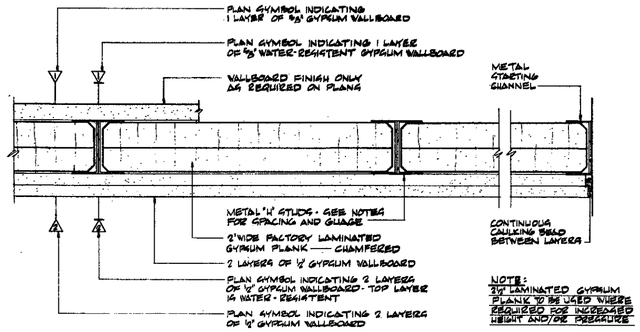
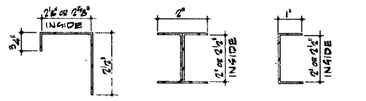


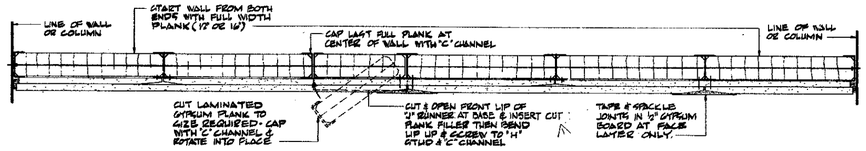
A TYPICAL SECTION OF LAMINATED GYPSUM PLANK
SCALE: HALF SIZE



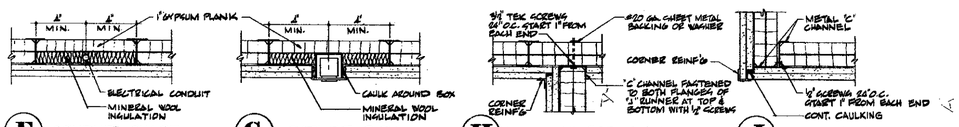
B TYPICAL LAMINATED PLANK PLAN
SCALE: HALF SIZE



C METAL FRAMING COMPONENTS
SCALE: HALF SIZE

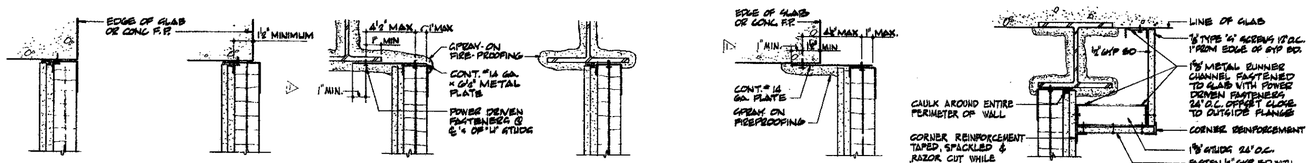


STANDARD LAMINATED GYPSUM PLANK WALL INSTALLATION
SCALE: 3"=1'-0"



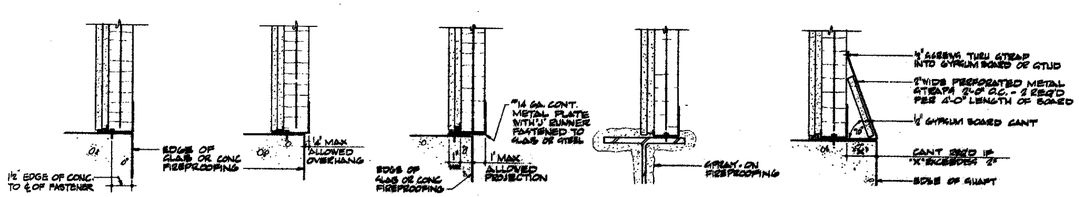
F CONDUIT CHASE
G OUTLET BOX
H WALL INTERSECTION
J WALL CORNER

STANDARD PLAN DETAILS



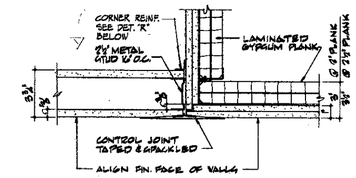
L FLUSH WITH EDGE OF SHAFT
M OVERHANGING EDGE OF SHAFT
N PROJECTING INTO SHAFT AT STL. BEAM
P TO STEEL WITH SPRAY-ON F.P.
Q PROJECTING INTO SHAFT AT CONC F.P. OR SLAB
R SPRAY FIREPROOFED BEAM ENCLOSURE

STANDARD HEAD CONDITIONS FOR LAMINATED GYPSUM PLANK
SCALE: 3"=1'-0"

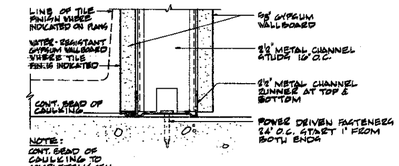


S FLUSH WITH EDGE OF SHAFT
T OVERHANGING EDGE OF SHAFT
U PROJECTING INTO SHAFT
V ON STEEL WITH SPRAY-ON F.P.
W ELEVATOR SHAFT CANT

STANDARD BASE CONDITIONS FOR LAMINATED GYPSUM PLANK
SCALE: 3"=1'-0"



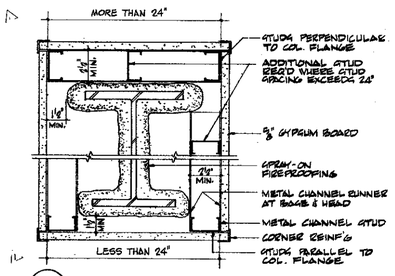
D INTERSECTION OF LAMINATED PLANK & METAL STUD WALLS
SCALE: 3"=1'-0"



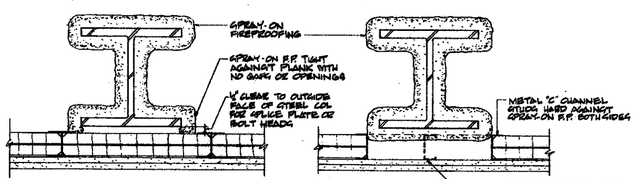
NOTE: CONT. BEAD OF CAULKING TO COMPLETELY SEAL EDGE OF WALLBOARD WHERE TILE IS INDICATED

NOTE: SEE E HEAD INSTALLATION DIM. TO FITD. EDGE & HEAD CONDITIONS FOR LAMINATED GYPSUM PLANK

E TYPICAL STUD WALL
SCALE: HALF SIZE



K FREE STANDING COL. ENCLOSURE
SCALE: 3"=1'-0"



X CORE COL. FIREPROOFING
Y ALTERNATE TO X
SCALE: 3"=1'-0"

GENERAL NOTES:

1. COMPONENTS OF LAMINATED GYPSUM PLANK SHAFT WALL SYSTEM SHALL BE IN ACCORDANCE WITH THE FOLLOWING SCHEDULE:

PARTITION HEIGHT UP TO:	SIZE OF GYPSUM PLANK	'J' RUNNER GAUGE	H.D. GALVANIZED GAUGES OF 'H' STUDS & CHANNELS (MAX. DEFL. L/240)		
			15 PSF (TYPE P-1)	10 PSF (41 & 42 P.W.)	15 PSF (BEAM WALL TYPES 75, 76, 107 & 108 P.W.)
11'-0"	2" x 16"	20	16	16	16
11'-6"	2" x 16"	20	16	16	14
12'-0"	2" x 16"	20	16	16	14
12'-6"	2" x 16"	20	16	16	14
13'-0"	2" x 16"	20	16	16	14
13'-6"	2" x 16"	20	16	16	14
14'-0"	2" x 16"	20	14	14	14
14'-6"	2½" x 16"	16	16	16	16
15'-0"	2½" x 16"	16	16	16	16
15'-6"	2½" x 16"	16	14	14	14
16'-0"	2½" x 16"	16	14	14	14

2. 'J' RUNNERS SHALL BE ALIGNED & FASTENED TO STRUCTURE AT TOP & BOTTOM OF WALL WITH POWER DRIVEN FASTENERS LOCATED WITHIN 1" OF BOTH ENDS & SPACED 24" O.C. MAX. FASTENERS SHALL BE LOCATED 1½" MIN. FROM EDGE OF EMBEDD CONCRETE. RUNNERS FASTENED TO STEEL FRAMING THAT IS TO RECEIVE SPRAY-ON FIREPROOFING SHALL BE INSTALLED BEFORE FIREPROOFING. SHORT LEG OF 'J' RUNNER SHALL BE ON FACE SIDE OF SHAFT
3. GYPSUM PLANK SHALL BE CUT TO ¼" CLEARANCE OF SHORT LEG OF TOP 'J' RUNNER SCREW FASTEN AT CENTER LINE OF PANEL TO TOP RUNNER.
4. ALL WALLS SHALL START WITH FULL HEIGHT 'C' CHANNELS FASTENED TO ADJACENT CONSTRUCTION. USE POWER DRIVEN FASTENERS INTO STEEL OR CONC. AND TEK SCREWS INTO GYPSUM. ALL CUT PANELS SHALL BE CAPPED WITH VERTICAL METAL 'C' CHANNELS. NO CUT SHALL BE LESS THAN 6" WIDE.
5. OPENINGS WITHIN PANELS SHALL BE FRAMED WITH 'C' CHANNELS AROUND PERIMETER.
6. METAL 'H' STUDS SHALL BE CUT ¼" MAX. CLEARANCE FROM DIMENSION BETWEEN HORIZONTAL FLANGE OF BOTTOM & TOP 'J' RUNNER TRACK.
7. INSTALL STUDS AND GYPSUM PLANK PANELS ALTERNATELY, SLIDING ALONG RUNNERS TO BUTT TIGHT TO ADJOINING MEMBER.
8. INSTALL BASE LAYER OF ½" GYPSUM WALLBOARD VERTICALLY FULL HEIGHT OF WALL. FASTEN TO FLANGE OF STUDS & CHANNELS WITH 1" TEK SCREWS 12" O.C. STAGGERED ALONG ABUTTING EDGES.
9. CAULK ENTIRE PERIMETER OF WALLBOARD AT INTERSECTION OF FLOOR, TOP OF WALL, BEAMS, DUCTS AND VERTICAL ENDS TO SEAL PERIMETER OF WALL AT SHAFT ENCLOSURES.
10. INSTALL FACE LAYER OF ½" GYPSUM WALLBOARD VERTICALLY, FULL HEIGHT OF WALL WITH JOINTS STAGGERED OVER BASE LAYER WITH 1⅝" TEK SCREWS 12" O.C. INTO STUDS & CHANNELS. APPLY 3 VERTICAL BEADS OF LAMINATING ADHESIVE 2" APART ON EACH SIDE OF ALL JOINTS 1" FROM EDGE OF BOARD.
11. TAPE, SPACKLE AND FINISH ENTIRE VERTICAL SURFACE OF FACE LAYER OF WALLBOARD
12. WALLS INSTALLED BETWEEN TWO FIXED POINTS SHALL START WITH FULL WIDTH PANELS AT BOTH ENDS WORKING TOWARD THE MIDDLE OF THE WALL. CAP LAST FULL WIDTH PANEL WITH 'C' CHANNEL. CUT GYPSUM PLANK TO FIT REMAINING SPACE AND CAP WITH 'C' CHANNEL. CUT LIP OF 'J' RUNNER AND BEND DOWN. ROTATE PANEL INTO 'H' STUD OR THAT CAP CHANNELS ABUTT - BEND LIP OF 'J' RUNNER BACK UP AND SCREW FASTEN TO STUDS AND CHANNELS.
13. FRAME ALL SIDES OF BEAM & DUCT PENETRATIONS WITH FULL HEIGHT 'J' STUDS FOR DUCTS AND 'C' CHANNELS FOR BEAMS. SCREW FASTEN 'H' STUDS OR 'C' CHANNELS TO TOP & BOTTOM RUNNERS WITH 2 - ½" PAN HEAD SCREWS. FRAME BELOW PENETRATION WITH 'J' RUNNER. CUT RUNNER 4" WIDER THAN DUCT OPENING TO FIT BETWEEN STUDS. BEND DOWN WEB OF RUNNER BETWEEN STUDS AND SCREW FASTEN FRONT AND BACK FLANGES TO METAL 'H' STUDS.
14. REINFORCE ALL WIDE PENETRATION OPENINGS WITH 6" WIDE #24 GAUGE METAL 'C' CHANNEL INSTALLED ON FACE OF WALL BELOW OPENING AND SCREW FASTENED INTO STUDS. CHANNEL SHALL EXTEND ONE FULL PLANK WIDTH BEYOND EITHER SIDE OF OPENING.
15. DOOR BUCKS SHALL BE FRAMED ON BOTH SIDES OF JAMB WITH FULL HEIGHT 'C' CHANNELS FASTENED TO RUNNERS AT TOP AND BOTTOM WITH ½" PAN HEAD SCREWS. FRAME ACROSS HEAD WITH 'J' RUNNER SCREW FASTENED TO 'C' CHANNELS. A FULL WIDTH OF UNCUT GYPSUM PLANK SHALL BE INSTALLED ON BOTH SIDES OF DOOR FRAME. DOOR FRAME TO BE GROUTED AT SPACER CLIPS AFTER GYPSUM PLANK IS INSTALLED.
16. CONTROL JOINTS SHALL BE INSTALLED IN FACE LAYER OF WALL 30'-0" O.C. MAX AND WHEREVER TYPE OF WALL CONSTRUCTION CHANGES WITHIN PLANE OF WALL.
17. ALL INSIDE AND OUTSIDE VERTICAL CORNERS AND INTERSECTIONS SHALL BE REINFORCED WITH TAPE AND SPACKLED.
18. FACE LAYER OF ALL WALLS IN PLUMBING SHAFTS, PLUMBING CHASES, TOILETS, JANITORS CLOSETS AND WHEREVER WALLS MAY BE EXPOSED TO MOISTURE SHALL BE WATER-RESISTANT (W/R) ALL CUT EDGES OF W/R BOARD SHALL BE SEALED WITH CAULKING.
19. GYPSUM PLANK WITH 6 LAYERS OF ½" GYPSUM WALLBOARD ON ROOM FINISH SIDE SHALL HAVE A FIRE RESISTIVE RATING OF 6 HR.
20. WHERE SINGLE LAYER OF WALLBOARD IS USED FOR FINISH IT SHALL BE ⅝" GYPSUM - FULL WALL HEIGHT. WALLBOARD FINISH IN STAIR SHAFT SHALL EXTEND FROM TOP OF STRINGER FOOT BEAM SIZES TO BOTTOM OF GLASS OR STRINGER ABOVE. USE METAL TRIM AT TOP AND BOTTOM OF WALLBOARD.
21. INCLUDE ALL BACK-UP PLATES AS REQ'D FOR THE ATTACHMENT OF GRAB BARS, TOILET STALL PARTITIONS, TOILET STALL DIVIDERS, TOILET PAPER AND TOWEL DISPENSERS, MIRRORS AND SHELVES ETC.
22. PROVIDE ALL CUT OUTS & COVERING OR PATCHING FOR USE OF OTHER TRADES ATTACHED TO OR PENETRATING WALLS.
23. INSTALL GYPSUM BOARD CANTS AND STRAP FASTENERS WHERE REQUIRED IN ELEVATOR SHAFTS.
24. METAL STUD WALL CONSTRUCTION INDICATED ON PLANS SHALL BE 2½" METAL STUDS SET IN 2½" METAL CHANNEL RUNNERS FASTENED TO FLOOR AND UNDERSIDE OF CONSTRUCTION ABOVE.
25. 2½" METAL STUDS SHALL BE 18 GAUGE 16" O.C. FOR WALL HEIGHTS UP TO 15'-3" AND 16" O.C. FOR HEIGHT UP TO 16'-0". STUDS SHALL BE INCREASED TO 14 GAUGE 16" O.C. FOR WALL HEIGHTS UP TO 17'-3" AND 12" O.C. FOR HEIGHTS UP TO 16'-3". RUNNER CHANNEL SHALL BE SAME GAUGE AS STUDS.
26. RUNNER CHANNELS SHALL BE ALIGNED AND FASTENED TO STRUCTURE AT TOP AND BOTTOM OF WALL WITH POWER DRIVEN FASTENERS WITHIN 1" OF BOTH ENDS AND SPACED 24" O.C. MAX.
27. ALL SINGLE LAYERS OF WALLBOARD SHALL BE ⅝" THICK SCREW FASTENED TO STUDS WITH 1" TYPE 'G' SCREWS 12" O.C. AND 8" O.C. AT JOINTS.
28. WATER RESISTANT WALLBOARD SHALL BE USED AS REQUIRED IN NOTE #18 ABOVE.
29. INSTALL CONTINUOUS CAULKING BEAD AROUND PERIMETER OF WALL.
30. FULL HEIGHT INTERLOCKING DOUBLE STUDS SHALL BE USED TO FRAME ALL DOOR OPENINGS. ADJACENT STUDS SHALL BE 6" MAX. FROM FRAMED OPENING.
31. TAPE, SPACKLE AND FINISH ENTIRE SURFACE OF WALL. REINFORCE ALL INSIDE AND OUTSIDE CORNERS AND INTERSECTIONS.
32. CHASE WALL PARTITIONS SHALL BE CROSS BRACED AT QUARTER POINTS OF STUDS.
33. ALL WORKMANSHIP COMPONENTS AND MATERIALS SHALL BE IN STRICT CONFORMANCE WITH MANUFACTURERS SPECIFICATIONS AND RECOMMENDATIONS.
34. SEE DRAWINGS A-AB-100 TO A-AB-212 FOR GENERAL PARTITION DETAILS.

CONTRACT BID DRAWING date

NO.	DATE	SUB. NO.	BY

REVISIONS

NO.	DATE	SUB. NO.	BY
1	5-15-70	A-47	AG

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION
DATE

THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING UTILITIES, FOUNDATIONS

0 1" 2" 3" 4" 5" 6" 8" 1'
3"=1'-0"

TITLE: STANDARD PARTITION DETAILS

DRAWN	J.M.C.	CHECKED	
SCALE	AS INDICATED	DATE	12/12/69
PROJECT NUMBER		SHEET	OF
DRAWING NUMBER	A-AB-213		