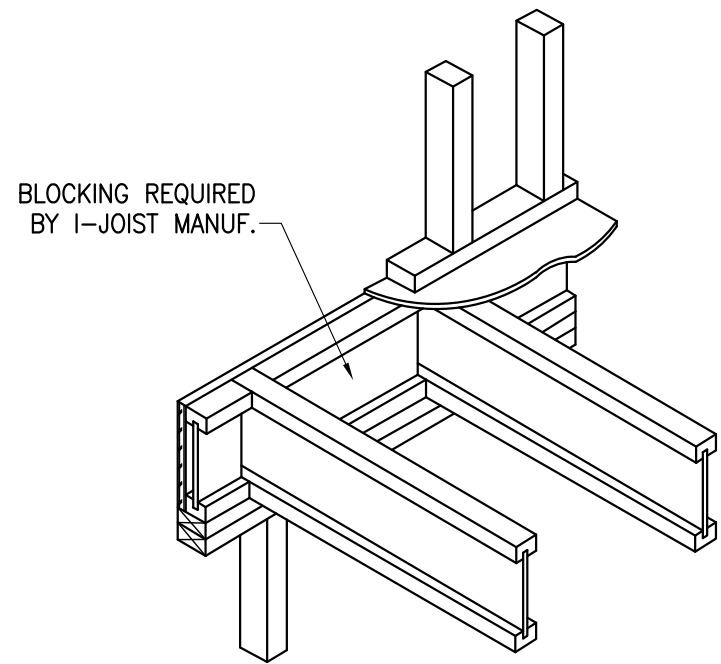
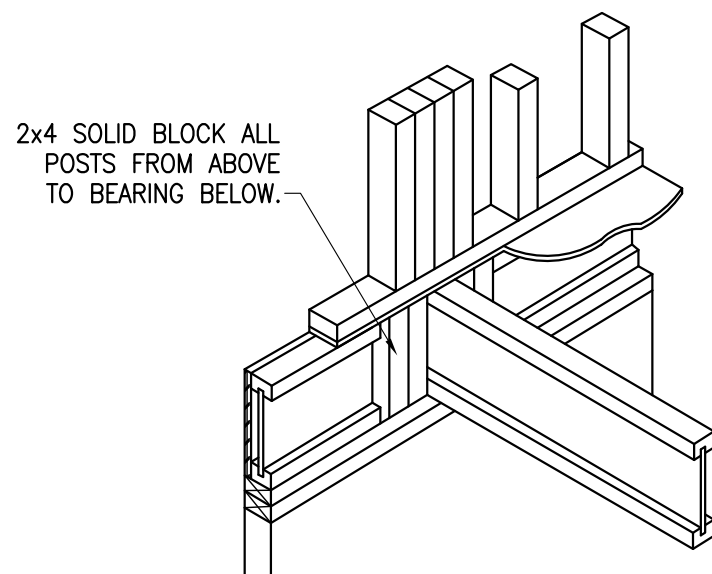




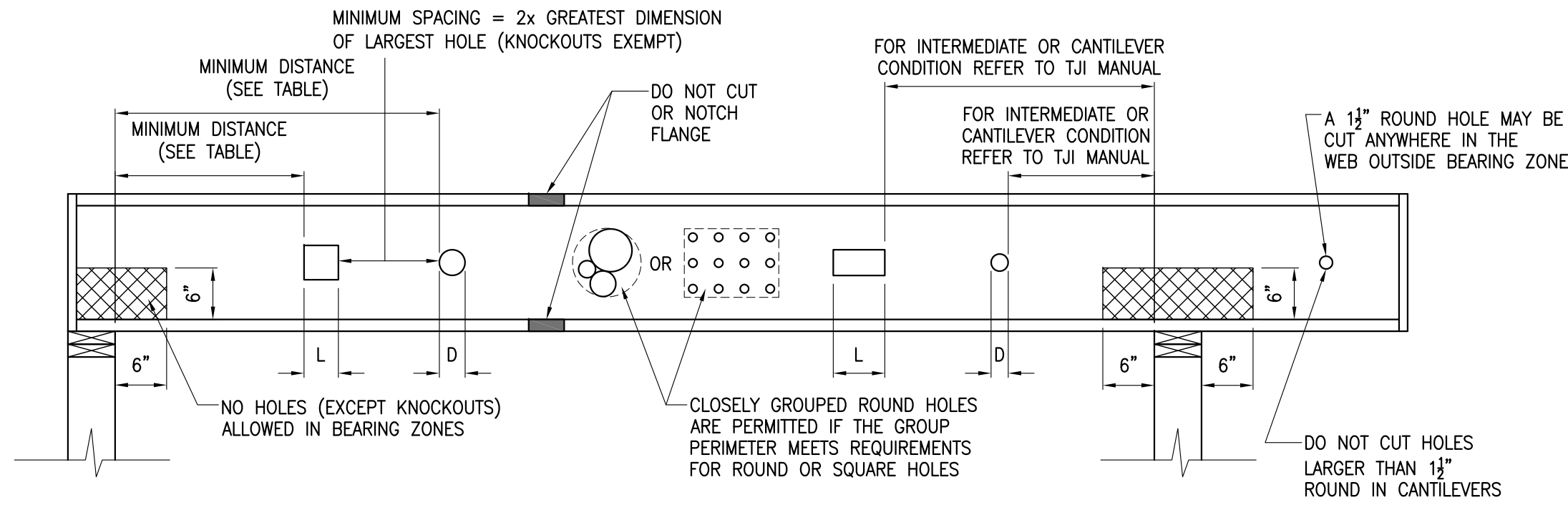
I-JOIST BLOCKING DETAIL

3/4" = 1'-0"



I-JOIST SQUASH BLOCK DETAIL

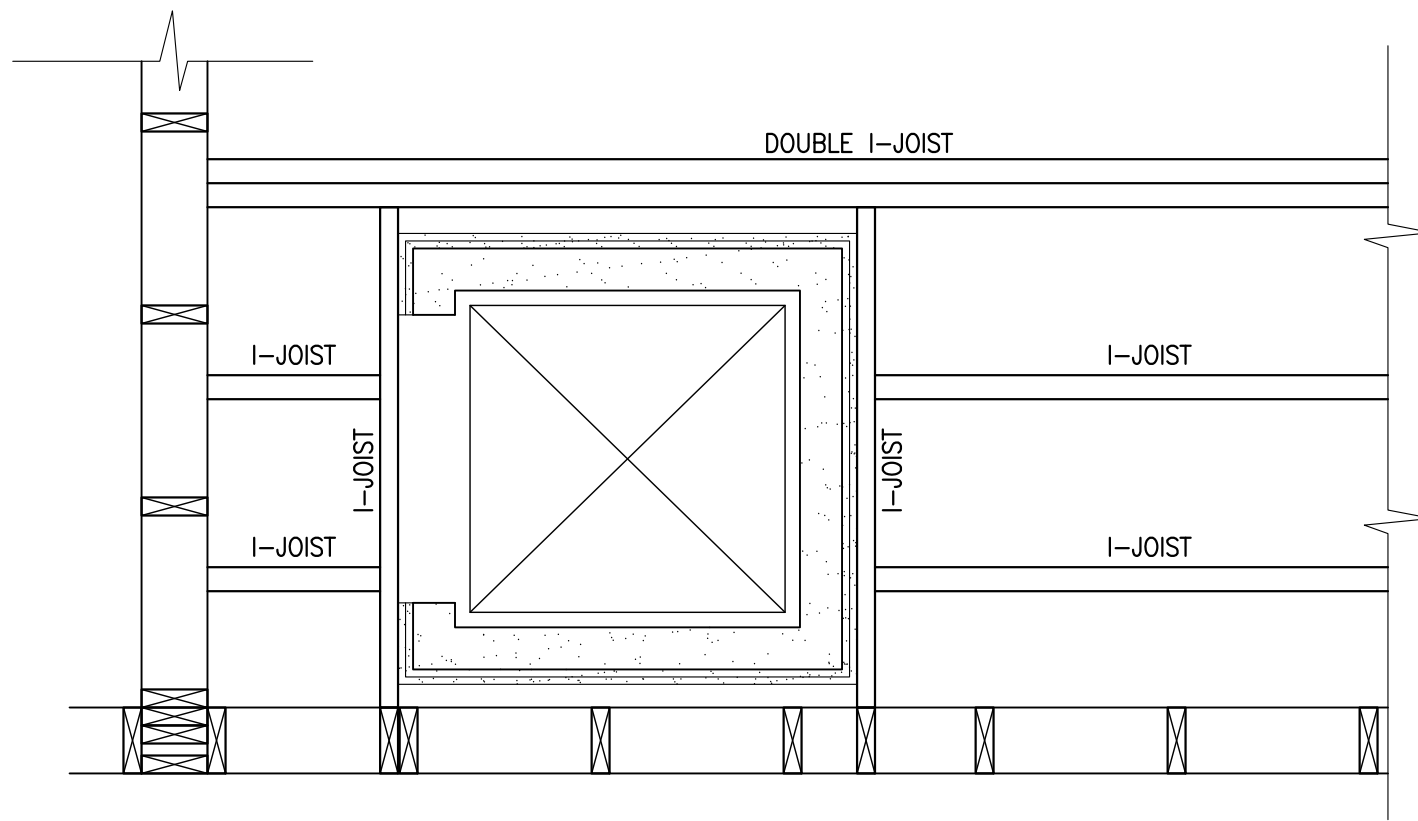
3/4" = 1'-0"



		MINIMUM DISTANCE FROM EDGE OF HOLE TO INSIDE FACE OF NEAREST END SUPPORT																	
		ROUND HOLE SIZE (D)								SQUARE OR RECTANGULAR HOLE SIZE (L)									
DEPTH		2"	3"	4"	5"	6"	7"	8"	11"	13"	2"	3"	4"	5"	6"	7"	8"	11"	13"
11 1/8"	TJI	1'-0"	1'-0"	1'-6"	2'-0"	2'-6"	3'-0"	5'-6"			1'-0"	1'-6"	2'-0"	2'-6"	4'-6"	5'-0"	6'-0"		
	110	1'-0"	1'-6"	2'-0"	2'-0"	3'-0"	3'-6"	6'-0"			1'-0"	1'-6"	2'-6"	3'-0"	5'-0"	5'-6"	6'-6"		
	210	1'-0"	1'-6"	2'-0"	2'-6"	3'-0"	3'-6"	6'-6"			1'-0"	2'-0"	2'-6"	3'-6"	5'-6"	5'-6"	7'-0"		
	230	1'-6"	2'-0"	3'-0"	3'-6"	4'-6"	5'-0"	7'-0"			1'-6"	2'-6"	3'-6"	4'-6"	6'-6"	6'-6"	7'-6"		
	560	1'-6"	2'-6"	3'-0"	4'-0"	5'-6"	6'-0"	8'-0"			2'-6"	3'-6"	4'-6"	5'-6"	7'-0"	7'-6"	8'-0"		
16"	TJI	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-6"	2'-6"	3'-6"	6'-0"	1'-0"	1'-0"	1'-0"	2'-0"	3'-6"	6'-6"	8'-0"	11'-0"	
	110	1'-0"	1'-0"	1'-0"	1'-0"	1'-6"	1'-6"	3'-0"	4'-0"	7'-0"	1'-0"	1'-0"	1'-0"	2'-0"	3'-6"	4'-0"	7'-0"	9'-0"	11'-0"
	210	1'-0"	1'-0"	1'-0"	1'-0"	2'-6"	2'-6"	4'-6"	6'-6"	9'-0"	1'-0"	1'-0"	1'-6"	3'-0"	5'-0"	5'-6"	9'-0"	10'-0"	11'-6"
	230	1'-0"	1'-0"	1'-0"	1'-0"	2'-6"	3'-0"	5'-0"	7'-6"	10'-0"	1'-0"	2'-0"	3'-0"	4'-6"	6'-6"	7'-0"	10'-0"	11'-0"	12'-0"
	560	1'-0"	1'-0"	1'-0"	1'-0"	2'-6"	3'-0"	5'-0"	7'-6"	10'-0"	1'-0"	2'-0"	3'-0"	4'-6"	6'-6"	7'-0"	10'-0"	11'-0"	12'-0"

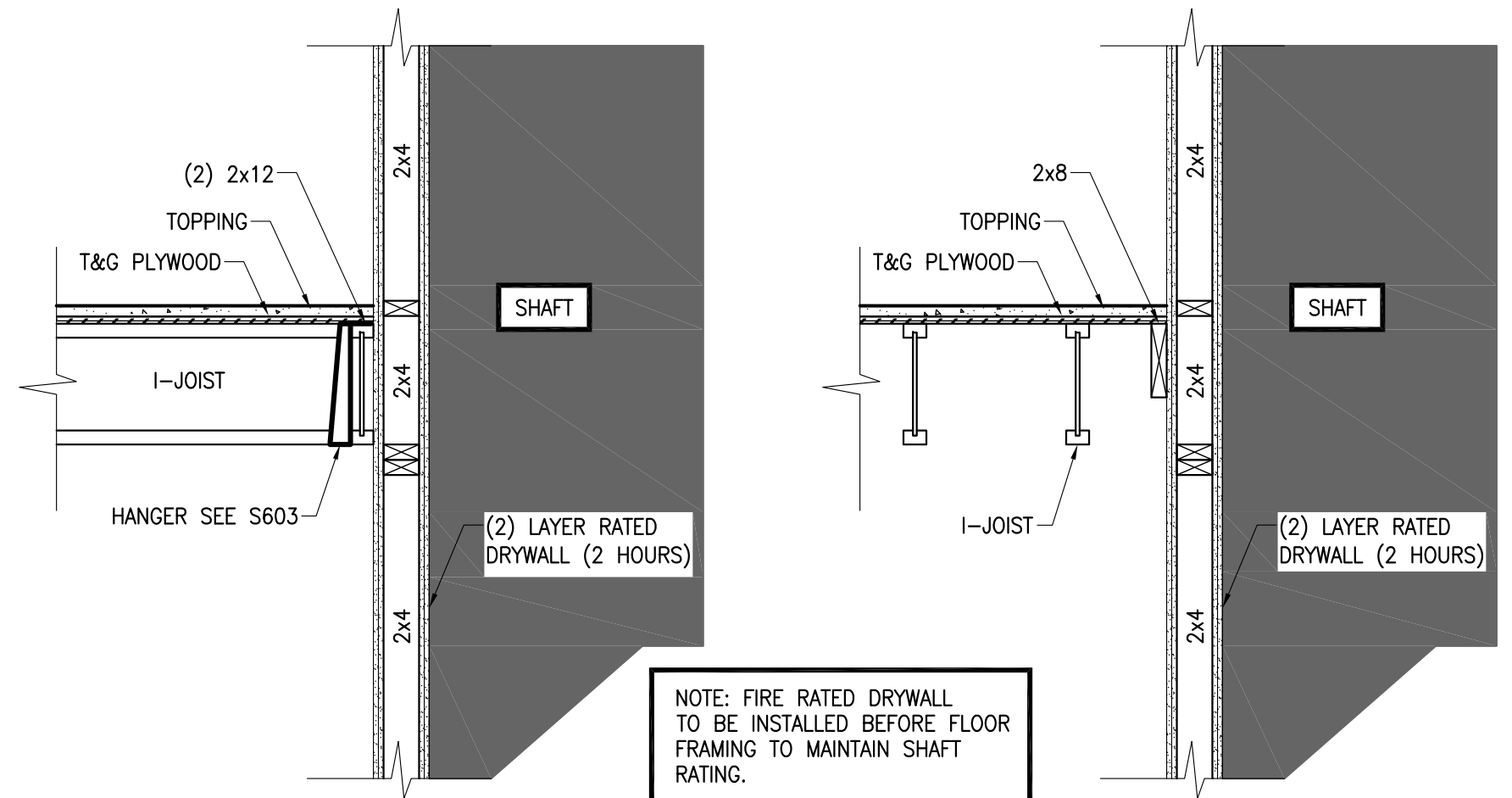
I-JOIST HOLE LOCATION & SIZING

- CUTTING I-JOISTS ABOVE DEMISING WALLS OR CORRIDOR WALLS AND WHERE JOISTS ARE IN NON-BENDING INSTALLATIONS IS PERMITTED PROVIDED THE DRAFT STOPPING IF REQUIRED IS RESTORED.
- FOR HOLE LOCATIONS/SIZE OTHER THAN THOSE INDICATED CONTACT THE I-JOIST SUPPLIER FOR APPROVAL.



LAUNDRY CHUTE

INDICATES RATED SHAFT WALL FRAMING DOES NOT PENETRATE SHAFTWALL

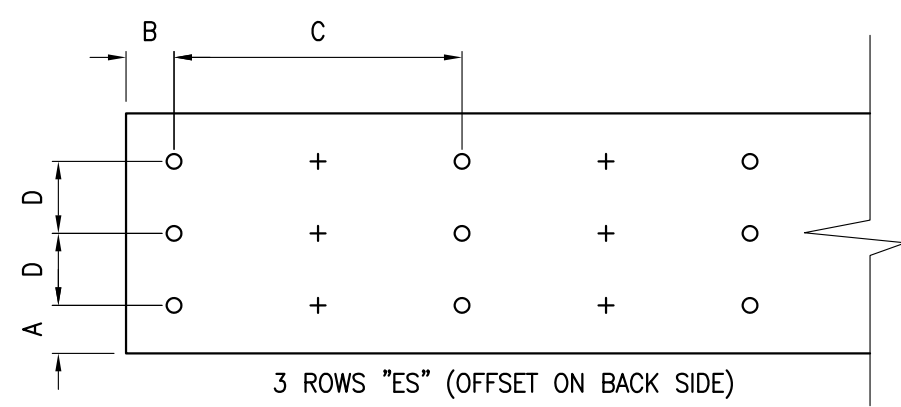
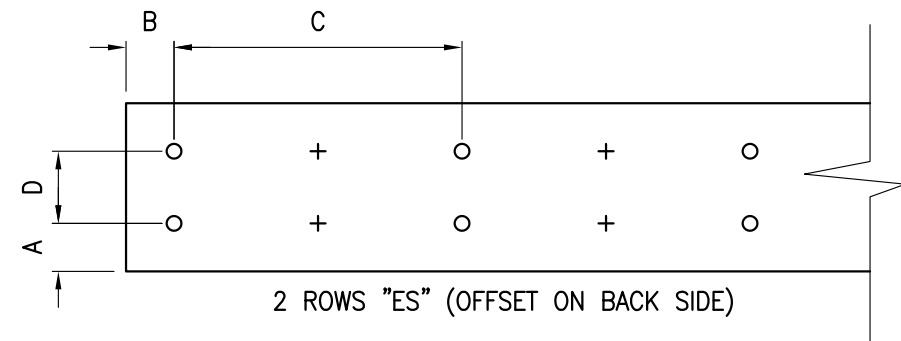


LAUNDRY CHUTE DETAILS

NOTE: FIRE RATED DRYWALL TO BE INSTALLED BEFORE FLOOR FRAMING TO MAINTAIN SHAFT RATING.

FASTENER TYPE	A		B		C		D	
	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.
10d & 16d NAILS	2"	2"	6"	4"	12"	3"		
BOLTS & SCREWS	2"	4"	12"	4"	24"	3"		

SPACINGS CLOSER THAN THOSE ABOVE MAY BE ACCEPTABLE, BUT REQUIRE SPECIAL CONSIDERATION. CONTACT YOUR TECHNICAL REPRESENTATIVE.

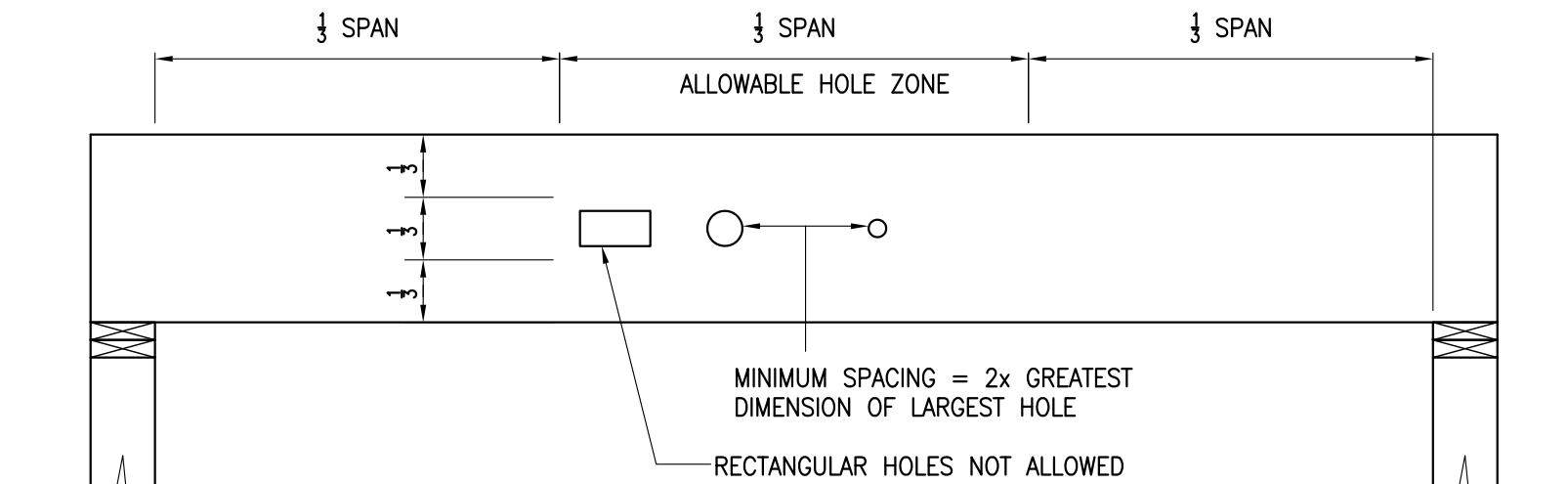


FASTENER CLEARANCES FOR MULTIPLE-PLY MEMBERS

FASTENER TYPE	LVL DEPTH	3/4" THICK	5/4" THICK	7" THICK
10d (0.128"x3") NAILS	7/8" ≤ d < 14"	3 ROWS @ 12" o.c.	3 ROWS @ 12" o.c. (ES)	---
	d ≥ 14"	4 ROWS @ 12" o.c.	4 ROWS @ 12" o.c. (ES)	---
16d (0.162"x3 3/4") NAILS	7/8" ≤ d < 14"	2 ROWS @ 12" o.c.	2 ROWS @ 12" o.c. (ES)	---
	d ≥ 14"	3 ROWS @ 12" o.c.	3 ROWS @ 12" o.c. (ES)	---
1" THROUGH BOLTS	d ≥ 14"	2 ROWS @ 24" o.c.	2 ROWS @ 24" o.c.	2 ROWS @ 24" o.c.
SDS 1/4"x3/4", WS35, 3/4" TRUSSLOK		2 ROWS @ 24" o.c.	2 ROWS @ 24" o.c. (ES)	---
SDS 1/4"x6", WS6		---	---	2 ROWS @ 24" o.c. (ES)
5" TRUSSLOK		---	2 ROWS @ 24" o.c.	---
6 3/4" TRUSSLOK		---	---	2 ROWS @ 24" o.c.

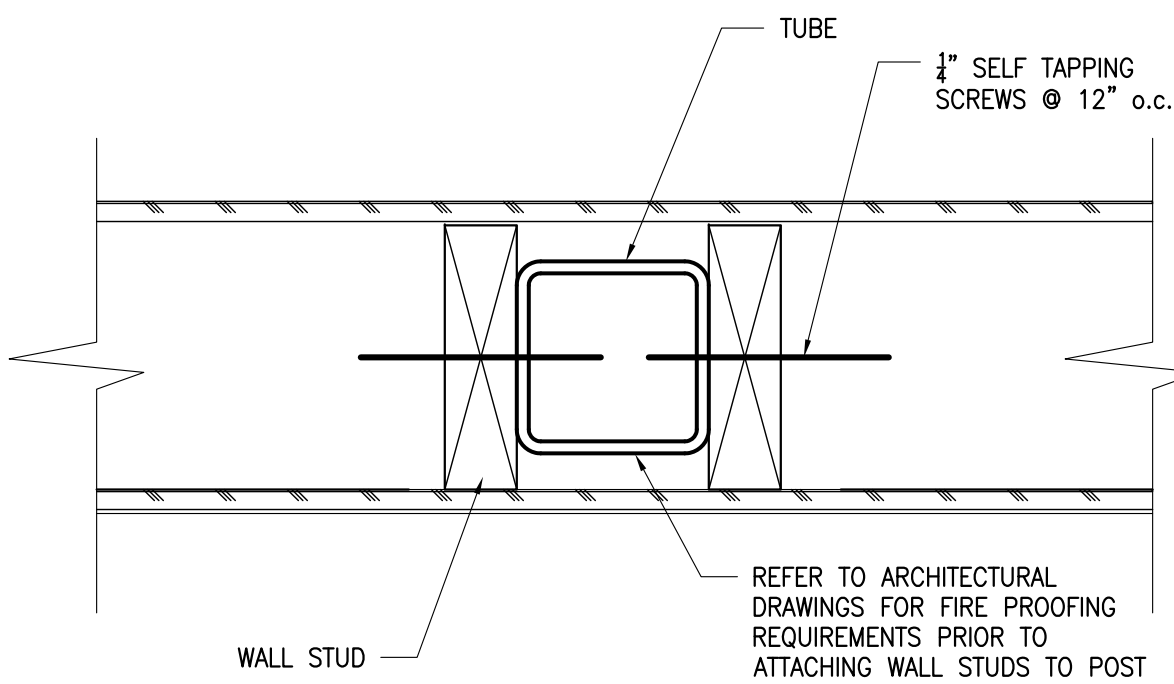
- NOTES:
- ALL FASTENERS MUST MEET THE MINIMUM REQUIREMENTS IN THE TABLE ABOVE. SIDE-LOADED MULTIPLE-PLY MEMBERS MUST MEET THE MINIMUM FASTENING AND SIDE-LOADING CAPACITY REQUIREMENTS GIVEN.
 - THREE GENERAL RULES FOR STAGGERING OR OFFSETTING FOR A CERTAIN FASTENER SCHEDULE: (1) IF STAGGERING OR OFFSETTING IS NOT REFERENCED, THEN NONE IS REQUIRED; (2) IF STAGGERING IS REFERENCED, THEN FASTENERS INSTALLED IN ADJACENT ROWS ON THE FRONT SIDE ARE TO BE STAGGERED UP TO ONE-HALF THE o.c. SPACING, BUT MAINTAINING THE FASTENER CLEARANCES ABOVE; AND (3) IF "ES" IS REFERENCED, THEN THE FASTENER SCHEDULE MUST BE REPEATED ON EACH SIDE, WITH THE FASTENERS ON THE BACK SIDE OFFSET UP TO ONE-HALF THE o.c. SPACING OF THE FRONT SIDE (WHETHER OR NOT IT IS STAGGERED).

MIN. FASTENING REQUIREMENTS FOR TOP- AND SIDE-LOADED MEMBERS



BEAM DEPTH	MAX. ROUND HOLE DIA
3" - 7"	3"
7 1/2" - 9 1/4"	1 1/2"
9 1/2" - 16"	2"
> 16"	3"

LVL ALLOWABLE HOLES



COLUMN DETAIL

3" = 1'-0"

NOTE: REFER TO ARCHITECTURAL DRAWINGS FOR FIRE PROOFING REQUIREMENTS. FIRE PROOFING MAY NEED TO BE APPLIED BEFORE STUD IS ADDED.