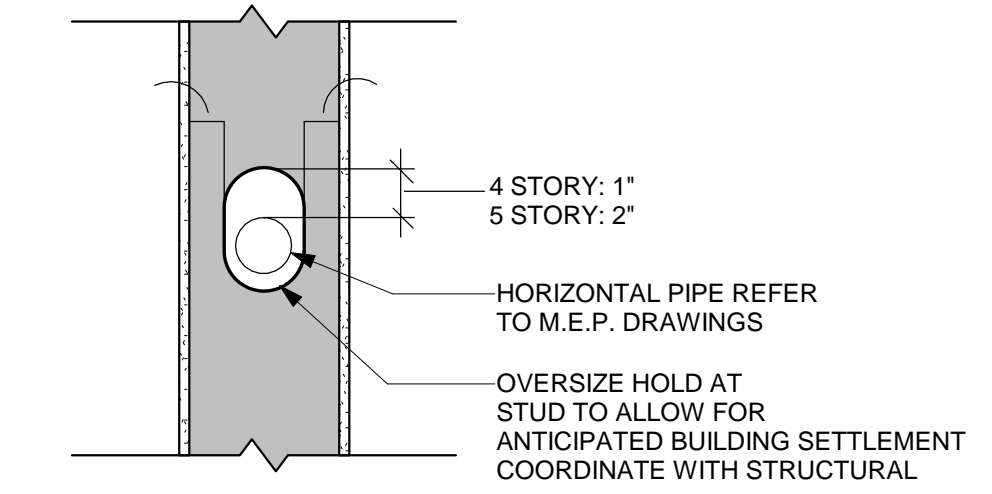


DIVISION 21 - FIRE PROTECTION

- THESE CRESCENT STANDARDS ARE TO BE INCLUDED IN THE PROJECT SCOPE. IF A CONFLICT EXISTS BETWEEN THESE STANDARD DOCUMENTS/DETAILS AND ANY OTHER PLANS AND/OR SPECIFICATIONS, THE CRESCENT STANDARD DOCUMENTS SHALL TAKE PRECEDENCE.
- FIRE PROTECTION SYSTEM SHALL BE DESIGNED BY THE FIRE PROTECTION CONTRACTOR. APPROVED COMPLETE DESIGN AND SHOP DRAWINGS FOR FIRE SPRINKLER SYSTEM.
 - PROVIDE FOR ALL STATE AND LOCAL SUBMITTALS AND/OR APPROVALS FOR QUICK RESPONSE SPRINKLER SYSTEM.
 - ALL SPRINKLER PIPING SUBJECT TO FREEZING SHALL BE DRY-TYPE SYSTEMS WHERE PERMITTED.
- ALL UNIT, NON-AMENITY, AND CORRIDOR SPRINKLER HEADS TO BE WHITE SEMI-RECESSED HEADS AND WHITE ESCUTCHEONS.
- ALL LEASING, AMENITY AND ASSOCIATED CORRIDOR SPRINKLER HEADS ARE TO BE FULLY RECESSED TYPE WITH COVER PLATE THAT IS PREFINISHED TO MATCH ADJACENT CEILING FINISH.
- CONTRACTOR AND THEIR ASSOCIATED SUBCONTRACTOR ARE SOLELY RESPONSIBLE FOR THE ENGINEER/DESIGN OF SPRINKLER SYSTEMS THROUGHOUT BUILDING(S).

DIVISION 22 - PLUMBING

- ALL PLUMBING CHASES ARE TO EXTEND TO THE UNDERSIDE OF STRUCTURE ABOVE, UNLESS NOTED OTHERWISE.
- WATER SERVICE SHALL NOT BE PLACED IN CONCEALED SPACES OUTSIDE OF THE CONDITIONED BUILDING ENVELOPE (BREEZEWAY OR PATIO FLOOR SPACES OR ATTICS).
- PROVIDE SUPPORT/REINFORCE TO ACCOMMODATE WALL MOUNTED EQUIPMENT INCLUDING SUPPORT OF FUTURE GRAB BARS IN ALL BATHROOMS AS REQUIRED BY ADA AND/OR FAR HOUSING ACT.
- CELLULAR CORE PVC PIPE SHALL NOT BE INCLUDED WITHOUT OWNER'S PRIOR APPROVAL.



GENERAL NOTES:

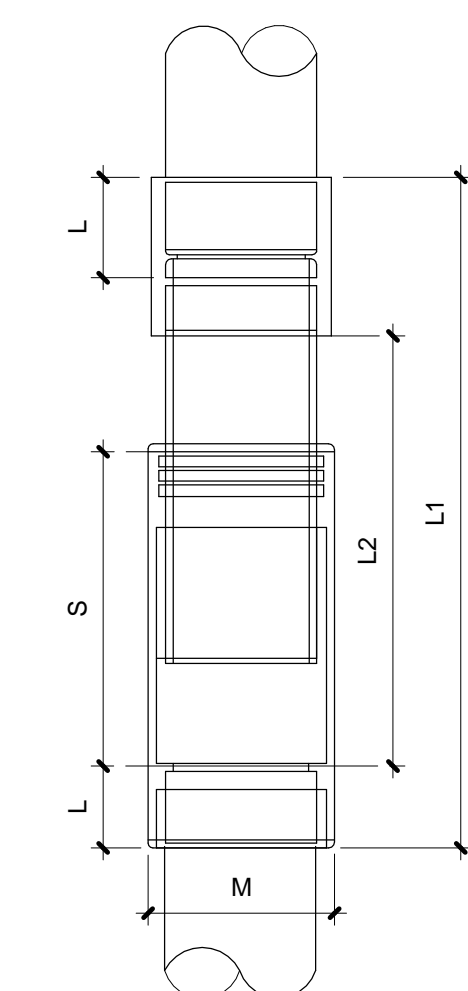
- INSULATION OMITTED FOR CLARITY, REFER TO ASSEMBLY DESCRIPTION FOR ADDITIONAL INFORMATION.
- REFER TO RISER DRAWINGS FOR EXPANSION JOINT COUPLING LOCATIONS AS WELL AS PRODUCT SELECTION.
- REFER TO STRUCTURAL DRAWINGS FOR BUILDING SETTLEMENT AND / OR WOOD SHRINKAGE EXHIBIT.
- RATED PENETRATION INFORMATION OMITTED FOR CLARITY.
- PIPES SHALL BE SUPPORTED INDEPENDENTLY AT EACH SIDE OF EXPANSION JOINT COUPLING.

2 HORIZONTAL PLUMBING ROUGH-IN EXHIBIT
1" = 1'-0"



EXPANSION JOINT SIZING

SIZE	L	L1	L2	M	S
3	1 7/8"	16 1/8"	12 3/8"	4 9/16"	6"
4	2 1/4"	17 3/4"	13 1/4"	5 11/16"	6"
6	3"	21 5/16"	15 3/16"	8 1/4"	6"



NOTES:

- BASED ON SPEARS PVC EXPANSION JOINT SERIES.
- PROVIDE EXPANSION JOINTS ON ALL VERTICAL PLUMBING RAINWATER OR WASTE RISERS.
- FOR BUILDINGS 4 STORIES OR TALLER, JOINTS SHALL BE INSTALLED ON ALTERING FLOORS.
- INSTALL EXPANSION JOINTS 4'-0" ABOVE FLOOR HEIGHT.
- EXPANSION JOINTS SHALL BE INSTALLED TO ALLOW A MINIMUM OF 2" OF EXPANSION AND CONTRACTION
- PROVIDE FLOOR CLAMPS AT THE BASE OF EACH STACK ON EACH FLOOR. STRAPS CAN ALSO BE USED IF NEEDED DUE TO FRAMING CONSTRAINTS. WALLS TO BE 6" WHERE CLAMPS USED.

1 COMPRESSION FITTINGS AT VERTICAL PLUMBING STACKS
1" = 1'-0"