

FIRE PROTECTION GENERAL NOTES

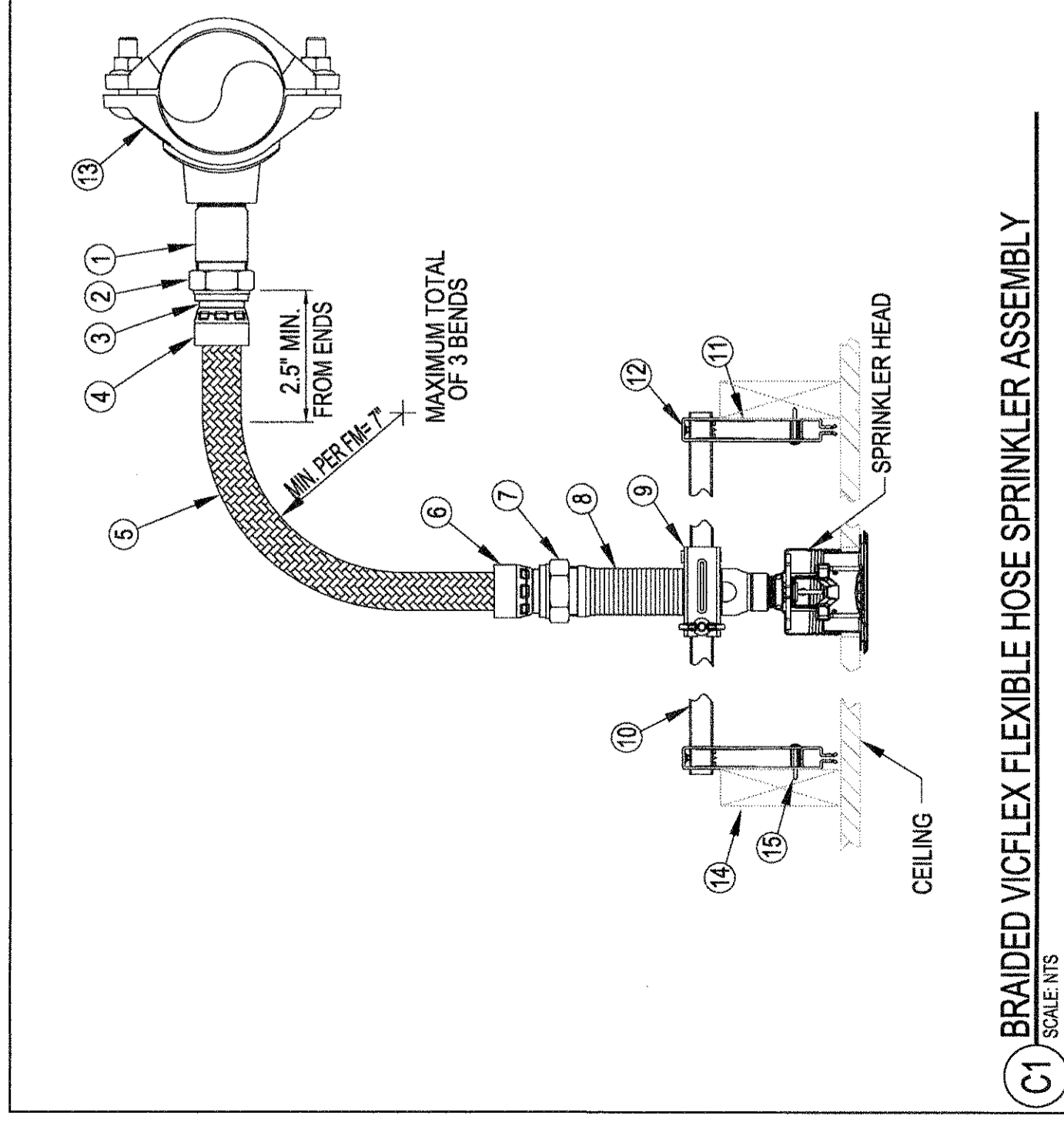
1. THE FIRE PROTECTION CONTRACTOR SHALL BE FAMILIAR WITH ALL CONTRACT DOCUMENTS FOR ALL TRADES AND COORDINATE WITH OTHER CONTRACTORS.
2. DRAWINGS ARE DIAGNOSTIC ONLY. FINAL ROUTING OF PIPING AND FITTINGS SHALL BE DETERMINED BY THE CONTRACTOR. ALL FITTINGS SHALL BE PROVIDED AND INSTALLED WITHOUT ADDITIONAL COST TO THE OWNER.
3. THE FIRE PROTECTION CONTRACTOR SHALL COORDINATE ALL ELECTRICAL PLUMBING & HVAC REQUIREMENTS WITH THE ELECTRICAL, PLUMBING AND HVAC CONTRACTORS.
4. THE FIRE PROTECTION CONTRACTOR SHALL FURNISH AND INSTALL ALL INCIDENTAL ACCESSORIES NECESSARY TO MAKE THE FIRE PROTECTION WORK COMPLETE AND READY FOR OPERATION.
5. NEW SPRINKLER HEADS TO BE RECESSED, QUICK RESPONSE TYPE THROUGHOUT AREA OF NEW ARCHITECTURAL.
6. DEMOLITION WORK SHALL BE DONE BY THE FIRE PROTECTION CONTRACTOR, UNLESS NOTED OTHERWISE. THE FIRE PROTECTION CONTRACTOR SHALL COORDINATE ALL WORK CONCERNING EXISTING EQUIPMENT AND SYSTEMS REMAINING IN THE BUILDING.
7. THE FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE INTEGRITY, CONDITION AND LOCATION OF EXISTING PIPING WHICH IS TO BE REUSED. IF PIPING CANNOT BE REUSED, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER TO DETERMINE EXTENT OF REPLACEMENT.
8. THE FIRE PROTECTION CONTRACTOR SHALL INFORM AND COORDINATE WITH THE OWNER ALL NECESSARY INTERRUPTIONS TO EXISTING BUILDING SYSTEMS (ELECTRICAL, PLUMBING, HVAC, ETC.) THAT MAY BE REQUIRED TO COMPLETE THE WORK AND TO AVOID INTERRUPTIONS AT LEAST 24 HOURS IN ADVANCE, AND GRANT PERMISSION OF EACH SHUT-DOWN.
9. THE FIRE PROTECTION CONTRACTOR SHALL INFORM THE OWNER WELL IN ADVANCE OF ANY WORK TO BE UNDERTAKEN IN OCCUPIED AREAS OF THE BUILDING ASSOCIATED WITH THIS PROJECT. THE FIRE PROTECTION CONTRACTOR SHALL CONFORM TO THE OWNER'S CRITERIA FOR WORK HOURS, ENVIRONMENTAL CONTROLS AND SAFETY. ALL WORK SHALL BE COMPLETED BEFORE WORK BEGINS REMAIN OCCUPIED DURING CONSTRUCTION.

ABBREVIATIONS:

Abbrev.	Description	Symbol	Abbrev.	Description
ABD	AUTOMATIC BALL DRIP	— WS	WS	WET SPRINKLER PIPING
AFC	ABOVE FINISHED CEILING	⊙		CONCEALED SPRINKLER HEAD
AFB	ABOVE FINISHED FLOOR	⊙		UPRIGHT SPRINKLER HEAD
AFG	ABOVE FINISHED GRADE	⊙		EXISTING SPRINKLER HEAD TO BE RELOCATED
AP	ACCESS PANEL	⊙		PIPE CAP
BOP	BOTTOM OF PIPE ELEVATION	⊙		PIPE BREAK
CC	CENTER TO CENTER	⊙		FLOW ARROW
CL	CENTRAL LINE	⊙		
CONN	CONNECT	⊙		
CONT	CONTINUATION	⊙		
CTE	CONNECT TO EXISTING CONTRACTOR	⊙		
CONTR	CONTRACTOR	⊙		
DIA	DIAMETER	⊙		
DWG	DRAWING	⊙		
EC	ELECTRICAL CONTRACTOR	⊙		
ELEV	ELEVATION	⊙		
FPC	FIRE PROTECTION CONTRACTOR	⊙		
FFE	FINISHED FLOOR ELEVATION	⊙		
GAL	GALLONS	⊙		
GC	GENERAL CONTRACTOR	⊙		
GPM	GALLONS PER MINUTE	⊙		
HVAC	HEATING, VENTILATION AND AIR CONDITIONING	⊙		
HYD	HYDRANT	⊙		
IN	INCHES	⊙		
ITS	INSPECTOR'S TEST STATION	⊙		
LFPD	LIMIT OF FIRE PROTECTION CONTRACT	⊙		
MAX	MAXIMUM	⊙		
MIN	MINIMUM	⊙		
NAS	NO AUTOMATIC SPRINKLER	⊙		
NC	NORMALLY CLOSED	⊙		
NO	NOT IN CONTRACT	⊙		
NO	NORMALLY OPEN	⊙		
NTS	NOT TO SCALE	⊙		
OC	ON CENTER	⊙		
PC	PLUMBING CONTRACTOR	⊙		
PSI	POUNDS PER SQUARE INCH	⊙		
SCH	SCHEDULE	⊙		
SF	SQUARE FOOT	⊙		
SPR	SPRINKLER	⊙		
TYP	TYPICAL	⊙		
TOP	TOP OF PIPE ELEVATION	⊙		

LEGEND:

Symbol	Description
⊙	WET SPRINKLER PIPING
⊙	CONCEALED SPRINKLER HEAD
⊙	UPRIGHT SPRINKLER HEAD
⊙	EXISTING SPRINKLER HEAD TO BE RELOCATED
⊙	PIPE CAP
⊙	PIPE BREAK
⊙	FLOW ARROW
⊙	DETAIL REFERENCE
⊙	LIGHT LINE INDICATES EXISTING PIPING
⊙	EXISTING PIPING TO BE REMOVED
⊙	EXISTING TO REMAIN
⊙	HEAVY LINE INDICATES NEW PIPING
⊙	CONNECT TO EXISTING
⊙	CUT & CAP
⊙	PIPE DOWN THROUGH FLOOR
⊙	PIPE UP THROUGH FLOOR ABOVE
⊙	PIPE DROP OR RISE
⊙	PIPE CAP
⊙	FLOW ARROW



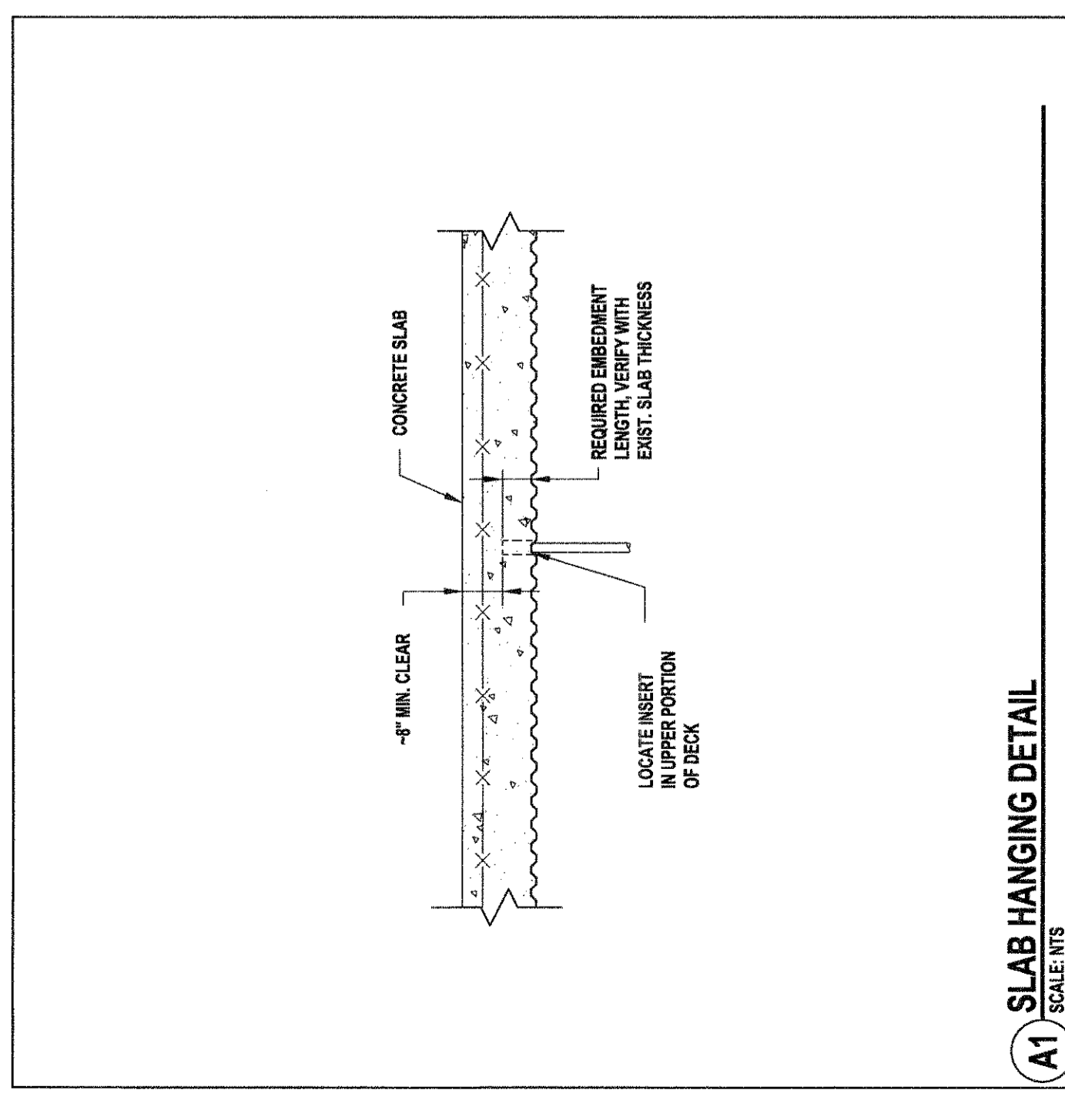
C1 SCALE: NTS
BRAIDED VICFLEX FLEXIBLE HOSE SPRINKLER ASSEMBLY

LEGEND

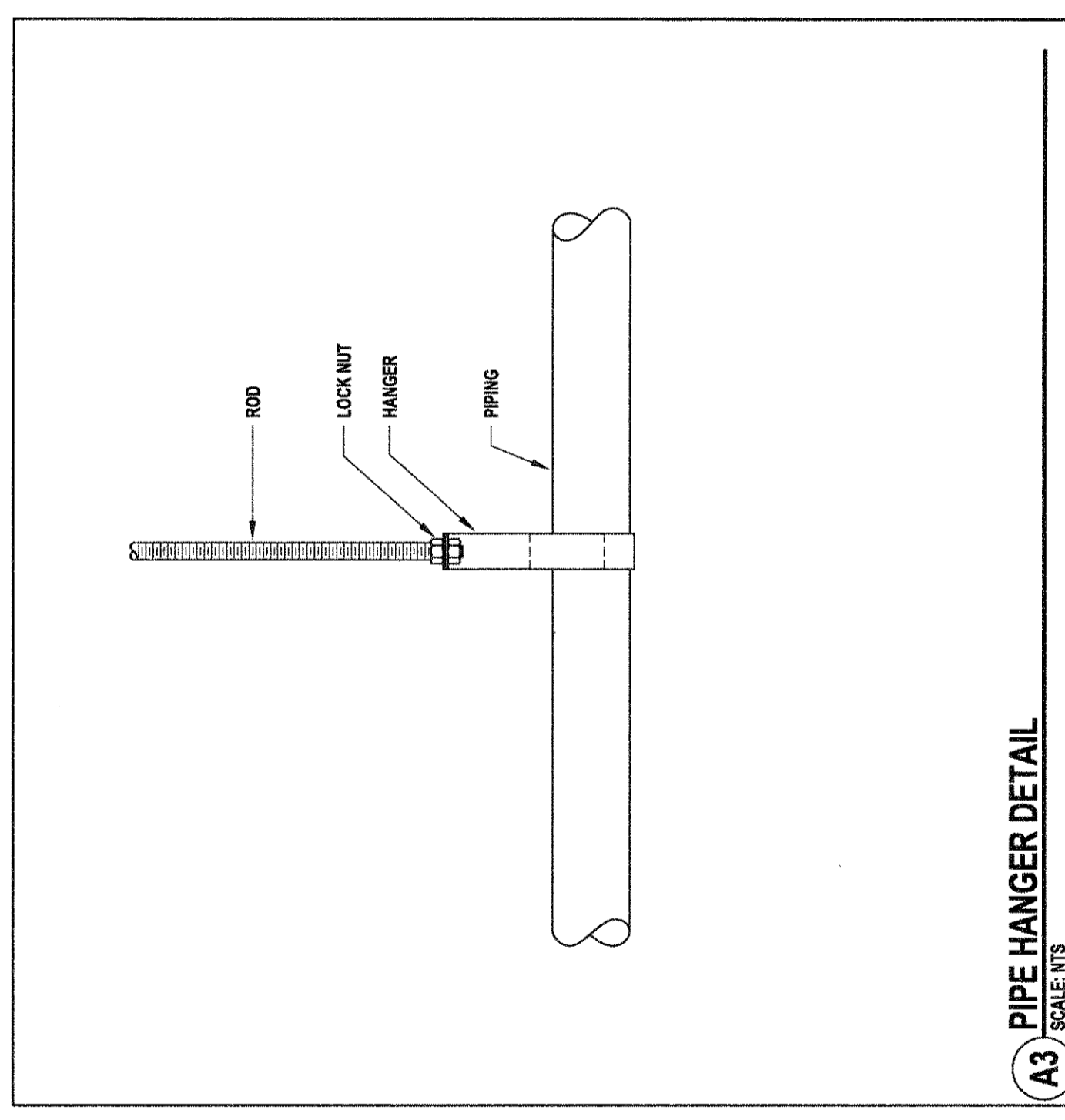
- 1 1" NIPPLE (INLET)
- 2 NUT
- 3 ADAPTER RING
- 4 COLLAR
- 5 304 STAINLESS STEEL FLEXIBLE BRAIDED HOSE (1" NOMINAL DIAMETER) (LENGTHS AVAILABLE 31', 48', 66', & 72')
- 6 COLLAR
- 7 NUT
- 8 REDUCING OUTLET (AVAILABLE 1/2" OR 3/4" FMPT)
- 9 CENTER BRACKET ASSEMBLY
- 10 SQUARE BAR (AVAILABLE IN 24" AND 48" LENGTHS)
- 11 END BRACKET ASSEMBLY
- 12 SHEET METAL SCREW
- 13 VIC MECHANICAL-T OUTLET STYLE 922 FIRELOCK (1" FMPT)
- 14 CEILING JOIST
- 15 WOOD SCREW

SEE VICTALIC SUBMITTAL NUMBER 10.85

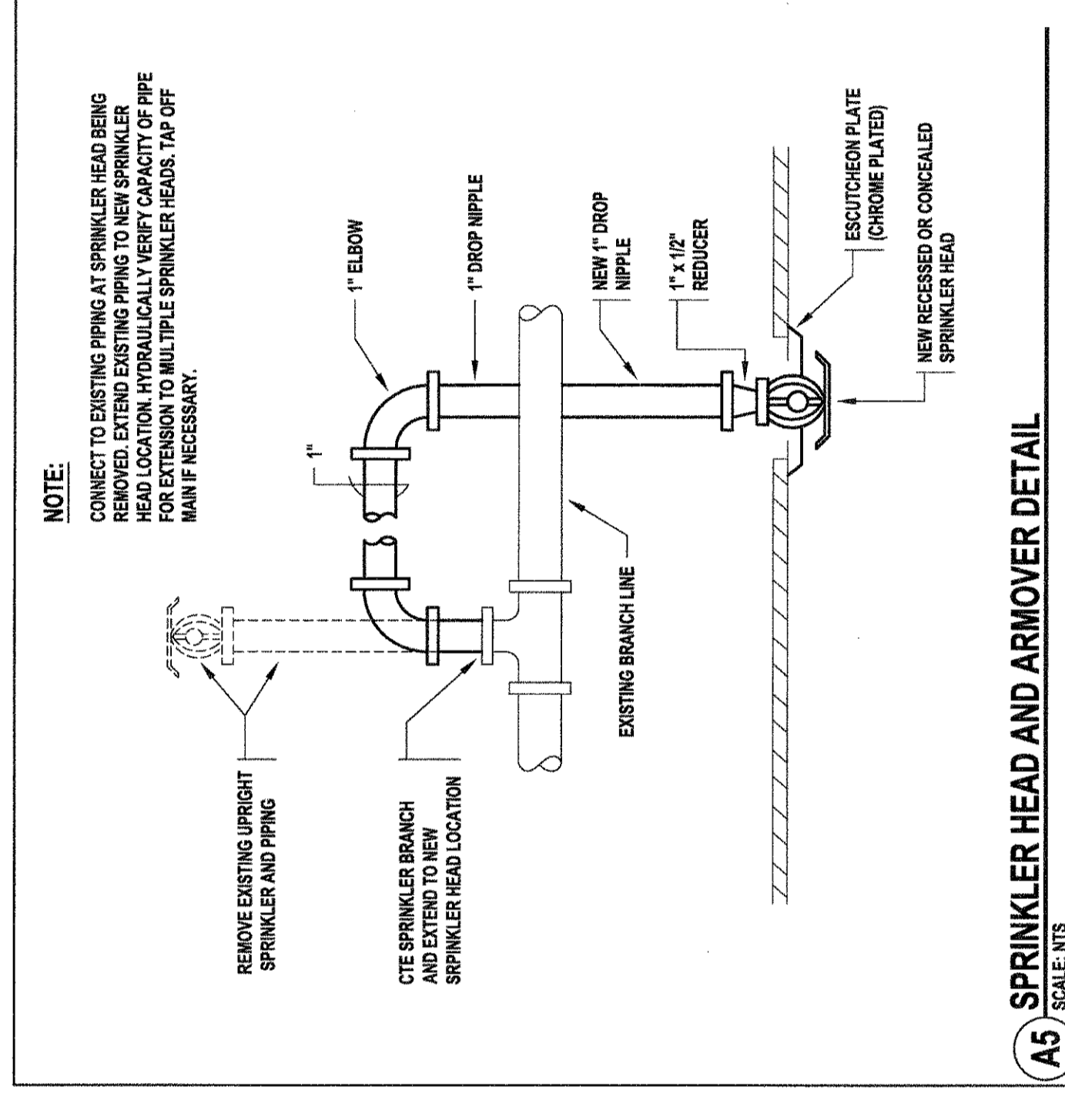
- NOTES:**
1. REFER TO VICTALIC SUBMITTAL 10.85 FOR ADDITIONAL DETAILS.
 2. ALL PRODUCTS SHALL BE UL LISTED / FM APPROVED.
 3. PROVIDE FLEXIBLE HOSE OF DIAMETERS (1" OR 1-1/4") REQUIRED TO SUIT HYDRAULIC CALCULATIONS (TO BE VERIFIED BY THE INSTALLING F.P. CONTRACTOR PRIOR TO BID). FLEX HEAD OR OTHER APPROVED ASSEMBLIES MAY BE INSTALLED TO ACCOMMODATE CALCULATIONS.



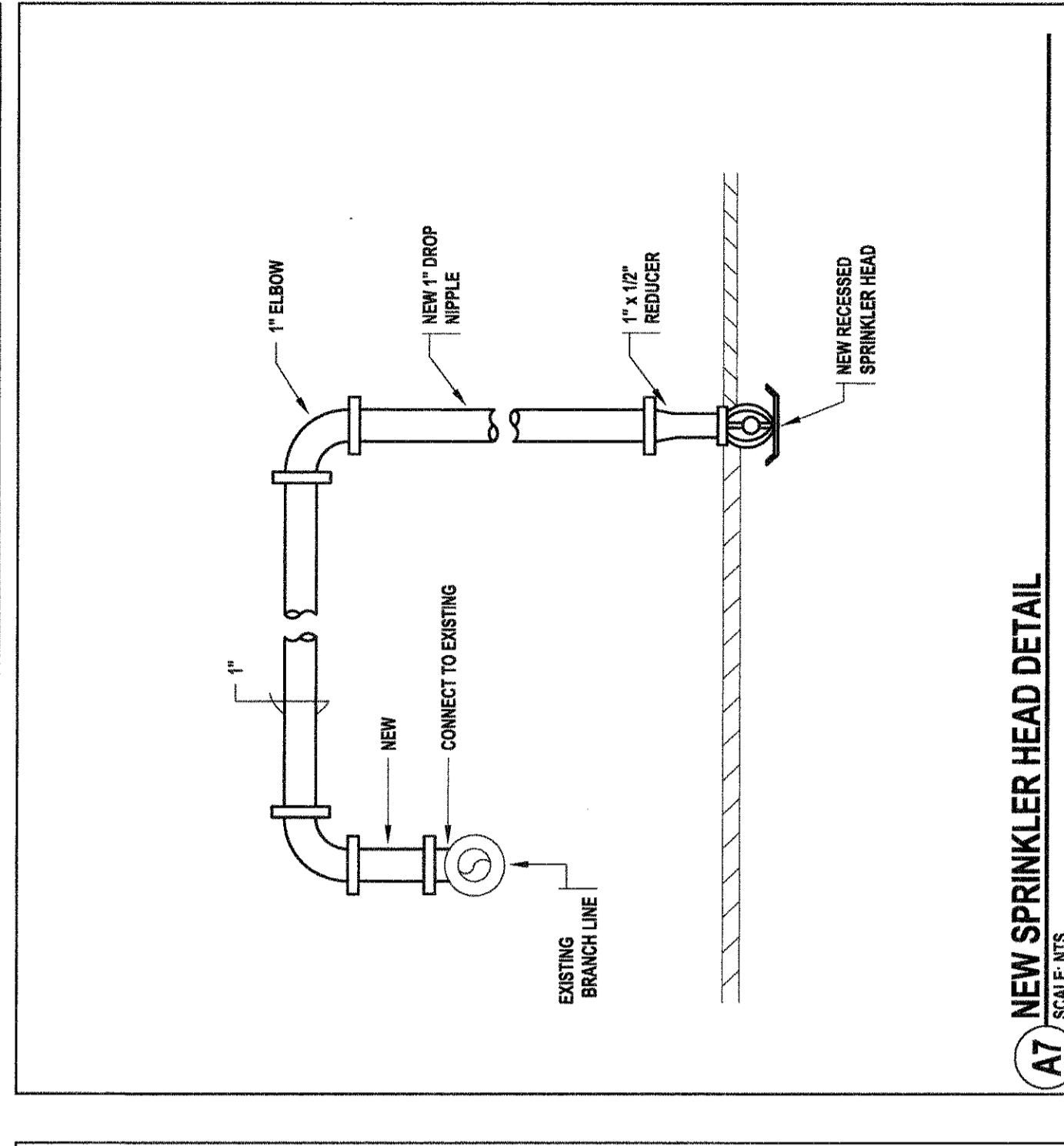
A1 SCALE: NTS
SLAB HANGING DETAIL



A3 SCALE: NTS
PIPE HANGER DETAIL



A5 SCALE: NTS
SPRINKLER HEAD AND ARMOVER DETAIL



A7 SCALE: NTS
NEW SPRINKLER HEAD DETAIL

DESIGN CRITERIA IS BASED ON NFPA 13

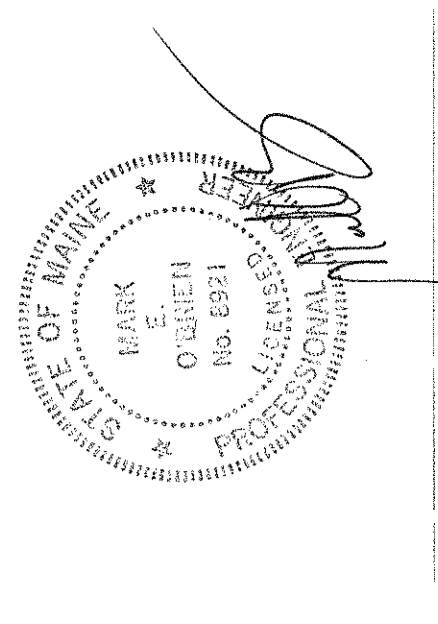
AREA DESCRIPTION	NFPA OCCUPANCY CLASSIFICATION	DESIGN DENSITY (GPM/FT ²)	CALCULATION AREA (SQ. FT.)	HOSE ALLOWANCE (GPM)	MAX. AREA (SQ. FT.)
PUBLIC SPACES, OFFICE SPACES	LIGHT HAZARD	0.10	1500	100	225
STORAGE AREAS/ELECTRIC ROOMS	ORDINARY HAZARD GROUP 1	0.15	1500	250	130

SPRINKLER HEAD SCHEDULE

SYMBOL	K-FACTOR	DEFLECTOR TYPE	RESPONSE	NOMINAL PIPE SIZE	TEMP. RATING	COATINGS FINISHES	APPROVALS LISTINGS
●	5.6	CONCEALED PENDANT	QUICK	1/2"	158° F	WHITE	ULFM
○	5.6	UPRIGHT	QUICK	1/2"	158° F	BRASS	ULFM

USM
UNIVERSITY OF SOUTHERN MAINE

BIO-SCIENCE BUILDING TOILET ROOM FIT-UP
SECOND, THIRD AND FIFTH FLOORS
70 FALMOUTH STREET, PORTLAND, ME



10/10/2013	ISSUED FOR CONSTRUCTION
MARK DATE	DESCRIPTION
ISSUE LOG	
△	= CLOUDED CHANGE

FIRE PROTECTION LEGEND AND DETAILS