

DESIGN SPECIFICATIONS

- DESIGN IS IN ACCORDANCE WITH THE STATE OF WISCONSIN AND THE 2009 INTERNATIONAL BUILDING CODE.
- STRUCTURAL STEEL W-SHAPES SHALL CONFORM TO ASTM A992 GRADE 50.
- STRUCTURAL STEEL PLATES, ANGLES, CHANNELS, AND OTHER ROLLED MEMBERS SHALL CONFORM TO ASTM A36.
- RECTANGULAR OR SQUARE HSS MEMBERS SHALL CONFORM TO ASTM A500 GRADE B.
- STEEL PIPE SHALL CONFORM TO ASTM A53 GRADE B.

DESIGN LOADS:

ROOF SNOW LOAD (ASCE 7-05)  
OCCUPANCY CATEGORY  
IMPORTANCE FACTOR  
GROUND SNOW LOAD  
FLAT ROOF SNOW LOAD  
EXPOSURE FACTOR  
THERMAL FACTOR

IV  
Is = 1.2  
Pg = 50 PSF  
Pf = 25.2 PSF  
Ce = 1.0  
Q = 1.0

WIND LOAD (ASCE 7-05)  
OCCUPANCY CATEGORY  
IMPORTANCE FACTOR  
BASIC WIND SPEED  
EXPOSURE  
INTERNAL PRESSURE COEFFICIENT

IV  
Is = 1.5  
V = 90 MPH  
C  
Gcpi = +/- 0.18

SEISMIC LOAD (IBC 2009)  
OCCUPANCY CATEGORY  
IMPORTANCE FACTOR  
SPECTRAL RESPONSE ACCELERATIONS  
SPECTRAL RESPONSE COEFFICIENTS

IV  
Is = 1.5  
SS = 0.084g  
S1 = 0.046g  
SDS = 0.057g  
SD1 = 0.052g  
Cs = 0.01

SEISMIC RESPONSE COEFFICIENT  
SOIL SITE CLASS  
SEISMIC DESIGN CATEGORY

C  
A

- ALL STRUCTURAL FRAMING AND CONNECTIONS HAVE BEEN DESIGNED FOR THE FINAL COMPLETED CONDITION AND HAVE NOT BEEN INVESTIGATED FOR POTENTIAL LOADINGS ENCOUNTERED DURING ERECTION AND CONSTRUCTION. ANY INVESTIGATION OF THE STRUCTURAL FRAMING AND CONNECTIONS FOR ADEQUACY DURING THE ERECTION AND CONSTRUCTION PROCESS IS THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION AND JOB SITE SAFETY.

GENERAL NOTES

STRUCTURAL STEEL

- STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE AISC "STEEL CONSTRUCTION MANUAL", THIRTEENTH EDITION, AND THE AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", MARCH 18, 2005 EDITION.
- WHERE INDICATED ON DRAWINGS, STRUCTURAL AND MISCELLANEOUS STEEL, WHICH SHALL REMAIN EXPOSED TO VIEW SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC "SPECIFICATION FOR ARCHITECTURALLY EXPOSED STRUCTURAL STEEL", LATEST EDITION, WITHOUT GAPS OR OPEN JOINTS.
- STEEL DECK FABRICATION AND ERECTION SHALL CONFORM TO THE STANDARD SPECIFICATIONS OF THE STEEL DECK INSTITUTE.
- ALL WELDING SHALL COMPLY WITH AWS D1.1 USING E70XX ELECTRODES. ALL WELDING TO BE DONE BY AWS PREQUALIFIED WELDERS, CERTIFIED FOR WELDS MADE. PROVIDE CONTINUOUS MINIMUM SIZED WELDS PER AISC REQUIREMENTS, UNLESS NOTED OTHERWISE.
- THE MINIMUM SIZE OF FILLET WELDS SHALL BE AS SPECIFIED IN TABLE J2.4 IN THE AISC "STEEL CONSTRUCTION MANUAL".
- MINIMUM STRENGTH OF WELDED CONNECTIONS, UNLESS NOTED OTHERWISE ON THE DRAWINGS, ALL SHOP AND FIELD WELDS SHALL DEVELOP THE FULL TENSILE STRENGTH OF THE MEMBER OF ELEMENT JOINED. ALL MEMBERS WITH MOMENT CONNECTIONS, NOTED ON THE DRAWINGS, SHALL BE WELDED TO DEVELOP THE FULL FLEXURAL CAPACITY OF THE MEMBER, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- BOLTED CONNECTIONS SHALL BE MADE WITH ASTM A325 HIGH STRENGTH BOLTS (MINIMUM 3/4-INCH DIAMETER).
- NON-COMPOSITE BEAM CONNECTIONS SHALL SUPPORT, AT A MINIMUM, ONE-HALF THE TOTAL FACTORED UNIFORM LOAD CAPACITY SHOWN IN THE AISC TABLES OF UNIFORM LOAD CONSTANTS FOR THE GIVEN BEAM, SPAN, AND STEEL SPECIFIED, UNLESS OTHERWISE DETAILED.
- BEAM-TO-COLUMN AND BEAM-TO-BEAM CONNECTIONS SHALL BE MADE WITH DOUBLE ANGLES UNLESS OTHERWISE DETAILED.
- MINIMUM NUMBER OF BOLTS FOR END SHEAR REACTIONS ARE AS FOLLOWS:  
1. W8, W10 OR W12: 3 W21 OR W24: 4 5. W33, W36 OR W40: 5  
2. W14, W16 OR W18: 3 4. W27 OR W30: 5 6. W44: 7
- BEAMS SHALL BE EQUALLY SPACED IN A BAY UNLESS NOTED OTHERWISE ON PLAN.
- ALL STRUTS, HANGERS, AND BRACES SHALL HAVE CONNECTIONS DESIGNED TO DEVELOP THE FULL ALLOWABLE TENSILE STRENGTH OF THE MEMBER UNLESS THE DESIGN FORCE IS INDICATED ON THE DRAWINGS, IN WHICH CASE THE CONNECTIONS SHALL BE DESIGNED FOR THE FORCE INDICATED.
- COLUMN BASE PLATES SHALL HAVE OVERSIZED HOLES WITH PLATE WASHERS (MINIMUM 3/8-INCH THICK) PROVIDED WITH ANCHOR RODS.
- GROUT UNDER BASE PLATES IN ACCORDANCE WITH THE "AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", MARCH 18, 2005 EDITION.
- CLEAN, PREPARE, AND SHOP PRIME EXTERIOR EXPOSED STRUCTURAL STEEL MEMBERS IN ACCORDANCE WITH SSPC STANDARDS SP-1 AND SP-6.
- CLEAN, PREPARE, AND SHOP PRIME INTERIOR EXPOSED STRUCTURAL STEEL MEMBERS IN ACCORDANCE WITH SSPC STANDARDS SP-1 AND SP-3.
- WHILE THE DESIGN DOCUMENTS MAY REFERENCE OSHA, THEY ARE NOT INTENDED TO SPECIFICALLY IDENTIFY ALL APPLICABLE OSHA REQUIREMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY AND COMPLY WITH ALL APPLICABLE OSHA REQUIREMENTS.
- ALL STRUCTURAL STEEL PERMANENTLY EXPOSED TO THE WEATHER, INCLUDING MASONRY SHELF ANGLES, SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123, UNLESS OTHERWISE NOTED.
- REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL MISCELLANEOUS STEEL.

MISCELLANEOUS

- DIMENSIONS OF EXISTING CONSTRUCTION OR CONSTRUCTION IN PROGRESS SHALL BE VERIFIED AND COORDINATED PRIOR TO FABRICATION OF STRUCTURAL COMPONENTS.
- VERIFY AND COORDINATE, WITH ALL CONTRACTORS, THE LOCATION OF ALL ARCHITECTURAL AND MECHANICAL APURTENANCES AND OPENINGS.
- EXPANSION ANCHORS SHALL BE HILTI KWIK BOLT TZ.
- ADHESIVE ANCHORS SHALL BE HILTI HIT-RE 500-SO.
- SLEEVE ANCHORS SHALL BE HILTI HC.
- CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR THE FOLLOWING ITEMS PRIOR TO FABRICATION: STRUCTURAL STEEL FRAMING, METAL STAIRS

SYMBOL LEGEND

LINE MATERIAL REFERENCE

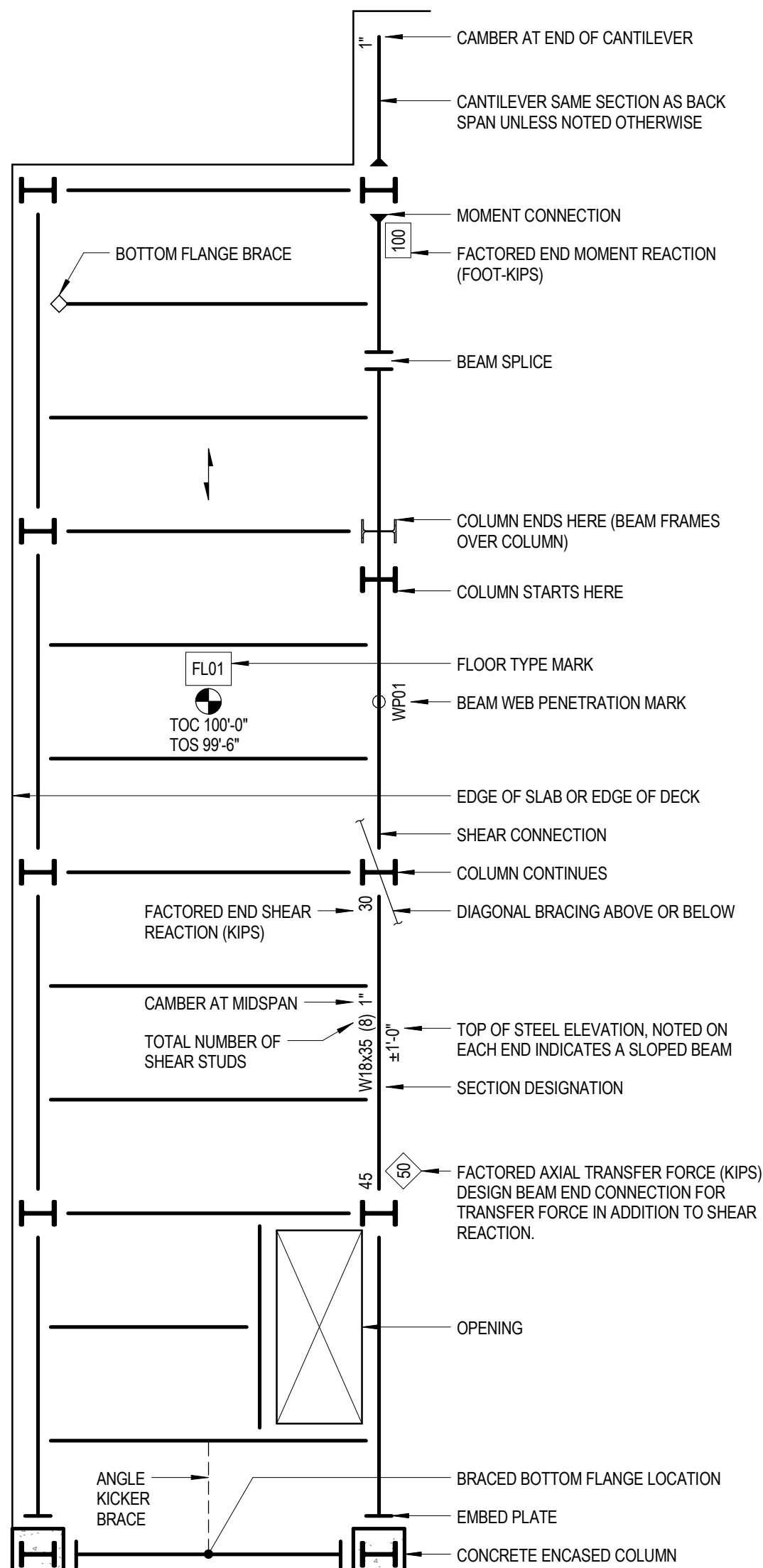
BEYOND CENTER GRID DEMOLITION EXISTING (HALFTONE) HIDDEN MATCHLINE NEW (CUT) NEW (PROJECTION) OVERHEAD

ALUMINUM BRICK CONCRETE CONCRETE MASONRY BLOCK EARTH GRAVEL GROUT WOOD STRUCTURAL PANEL STEEL

NORTH INDICATOR DETAIL VIEW INDICATOR ELEVATION VIEW INDICATOR SECTION VIEW INDICATOR VIEW INDICATOR GRID INDICATOR EXISTING GRID INDICATOR

BREAK LINE SPAN DIRECTION INDICATOR SLOPE INDICATOR STEP INDICATOR OPENING (FLOOR, ROOF OR WALL) ELEVATION INDICATOR KEYNOTE INDICATOR REVISION CLOUD REVISION INDICATOR

STEEL FRAMING PLAN LEGEND



VIEW LOCATION LEGEND

D1	D2	D3	D4	D5	D6
C1	C2	C3	C4	C5	C6
B1	B2	B3	B4	B5	B6
A1	A2	A3	A4	A5	A6

STEEL SHAPES LEGEND

SECTION	TOP (T)	FRONT (F)	BACK (B)	BOTTOM (BOT)	
T BOT					BG, DLH, EXG, EXST, EXP, EXP BT, EXT
T BOT					C, MC
T BOT					(2) L
T BOT					HP, M, W
T BOT					HSS
T BOT					HSS (ROUND), PIPE
T BOT					MT, WT

STEEL LEGEND

STEEL ROOF DECK (LONGITUDINAL)	STEEL ROOF DECK (TRANSVERSE)	BOLT	SHEAR STUD
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ABBREVIATIONS

1WAY	ONE-WAY	LD BRG	LOAD-BEARING
ANV	ANCHOR BOLT	LDH	LONG DIMENSION HORIZONTAL
ADDL	ADDITIONAL	LDV	LONG DIMENSION VERTICAL
ADDM	ADDITIONAL	LL	LINE LOAD
ADN	ADDITIONAL	LLBB	LONG LEG BACK TO BACK
AL	AL HANDLING UNIT	LLH	LONG LEG HORIZONTAL
ALT	ALTERNATE	LLV	LONG LEG VERTICAL
APPROX	APPROXIMATE	LVL	LAMINATED VENEER LUMBER
AS REPRD	AS REPRESENTED	LVR	LOUVER
ARCH	ARCHITECT	M	MOMENT
B PL	BASE PLATE	MAX	MAXIMUM
B/B	BACK TO BACK	MBR	MEMBER
BC	BOTTOM CHORD	MC	MOMENT CONNECTION
BF	BOTH FACES	MD	METAL DECK
BF	BOTTOM FACE	MECH	MECHANICAL
BM	BEAM	MEZZ	MEZZANINE
BO	BOTTOM OF (REFER TO TOP OF )	MFR	MANUFACTURER
BOT	BOTTOM	MFR REC	MANUFACTURER'S RECOMMENDATION
BRG PL	BEARING PLATE	MID	MIDDLE
BS	BOTH SIDES	MIN	MINIMUM
BSMT	BASEMENT	MISC	MISCELLANEOUS
BW	BOTH WAYS	ML	MONOLITHIC
		MO	MASONRY OPENING
		MTL	METAL
		MULT	MULTIPLE
C	CHANNEL	N	NORTH
C TO C	CENTER TO CENTER	NF	NEAR FACE
CANTIL	CANTILEVER	NC	NOT IN CONTRACT
CP	COST-IN-LINE	NLB	NON-LOAD-BEARING
CS	CONSTRUCTION JOINT	NOM	NOMINAL
CJ	CONTROL JOINT	NOM	NOMINAL
CMU	CONCRETE MASONRY UNIT	NTS	NOT TO SCALE
COL	COLUMN	OC	ON CENTER
CONC	CONCRETE	OD	OUTSIDE DIAMETER
CONN	CONNECT	OF	OUTSIDE FACE
CONSTR	CONSTRUCTION	OPNG	OPENING
CONTR	CONTRACTOR	OPH	OPPOSITE HAND
CPRS	COMPRESSIBLE	OPP	OPPOSITE
CTRL	CONTROL	OPT	OPTIONAL
CU	CUBIC	OUT	OUT TO OUT
CU FT	CUBIC FEET	PC	PRECAST CONCRETE
CU IN	CUBIC INCH	PCF	POUNDS PER CUBIC FOOT
		PL	PLATE
D	DEEP	PLF	POUNDS PER LINEAR FOOT
D BE	DECK BEARING ELEVATION	PLYWD	PLYWOOD
DBL	DOUBLE	PROST	PRECAST
DEG	DEGREE	PRELIM	PRELIMINARY
DET	DETAIL	PS CONC	PRESTRESSED CONCRETE
DEMO	DEMOLITION	PSF	POUNDS PER SQUARE INCH
DIAM	DIAMETER	PT	POST-TENSIONED
DIAL	DIAL	PT CONC	POST-TENSIONED CONCRETE
DM	DIMENSION		
DIR	DIRECTION		
DL	DEAD LOAD		
DWG	DRAWING	QTY	QUANTITY
E	EAST	R	RADIUS
EA	EACH	RD	ROOF DRAIN
EE	EACH END	REF	REFERENCE
EF	EACH FACE	REIN	REINFORCE
EJ	EXPANSION JOINT	REQD	REQUIRED
ELEV	ELEVATION	REV	REVISION
ELE	ELECTRIC	RS	ROUGH SAWN
ELEV	ELEVATOR	RTU	ROOF TOP UNIT
ENGR	ENGINEER	S	SOUTH
EOG	EDGE OF DECK	SCHED	SCHEDULE
EOG	EDGE OF GRATING	SECHM	SCHEMATIC
ES	EDGE OF SLAB	SECT	SECTION
EQ	EQUAL	SF	SQUARE FOOT (FEET)
EQ SP	EQUALLY SPACED	SHT	SHEET
EQUIP	EQUIPMENT	SL	SIMILAR
EQUIV	EQUIVALENT	SLAB	SLAB
EX	EXCAVATE	SLBB	SHORT LEG BACK TO BACK
EXIST, (E)	EXISTING	SP	SUMP PIT
EXP	EXPANSION	SPEC	SPECIAL
EXP BKT	EXPANSION BOLT	SPEC	SPECIFICATION
EXT	EXTERIOR	SQ	SQUARE
		SQ IN	SQUARE INCH
FD	FLOOR DRAIN	SQ YD	SQUARE YARD
FDTN	FOUNDATION	STD	STANDARD
FF	FACE	STIF	STIFFENER
FLR	FLOOR	STL JST	STEEL JOIST
FR	FRAMING	STRUC	STRUCTURAL
FS	FACE SIDE	SYMM	SYMMETRICAL
FSNTR	FASTENER		
FT	FEET	T&B	TOP AND BOTTOM
FTG	FOOTING	TC	TOP CHORD
FUT	FUTURE	TE	TEMPORARY
		TH	THICKNESS
G	GAGE	THRU	THROUGH
GALV	GALVANIZED	TOB	TOP OF BEAM
GC	GENERAL CONTRACTOR	TOC	TOP OF CONCRETE
GLU LAM	GLUE LAMINATED WOOD	TOF	TOP OF FOUNDATION
GR	GRADE	TOW	TOP OF GRATING
GRM	GRADE BEAM	TOP	TOP OF PIECE
		TOS	TOP OF STEEL
H	HIGH	TOW	TOP OF WALL
HDR	HEADER	TS	TUBE STEEL
HOR	HANGER	TYP	TYPICAL
HORIZ	HORIZONTAL	UNO	UNLESS NOTED OTHERWISE
HS	HIGH STRENGTH	VAR	VARIABLE
HSPKG	HOUSEKEEPING	VERT. V	VERTICAL
HEIGHT	HEIGHT	VIF	VERIFY IN FIELD
I	MOMENT OF INERTIA	W	WEST
INS	INSIDE DIAMETER	W	WIDE
IF	IF INSTEAD OF	W/O	WITHOUT
INFO	INFORMATION	WBL	WOOD BLOCKING
INT	INTERIOR	WOD	WOOD
JST	JOIST BEARING	WF	WIDE FLANGE
JST BRG	JOIST BEARING	WP	WORK POINT
		WT	WEIGHT
K	KIP	WWF	WELDED WIRE FABRIC
KB	KNEE BRACE	WWM	WELDED WIRE MESH
KIP	THOUSAND POUNDS	YD	YARD
KLF	KIPS PER LINEAR FOOT		
KOP	KNOCK OUT PANEL		
KSP	KIPS PER SQUARE FOOT		
KSI	KIPS PER SQUARE INCH		
KWF	KIP PER SQUARE INCH		
KEYWAY	KEYWAY		
L	ANGLE		
LATL	LATERAL		

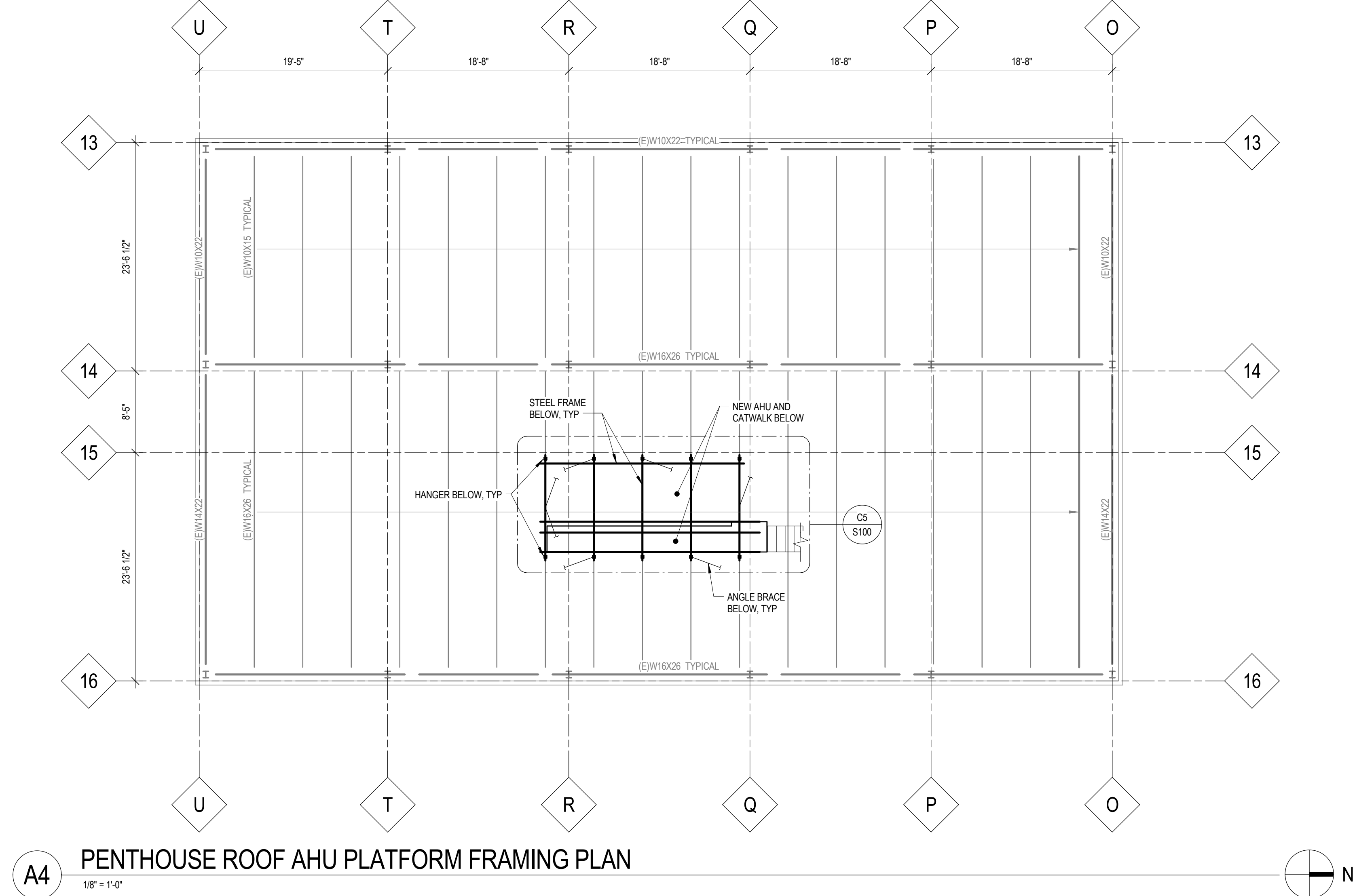
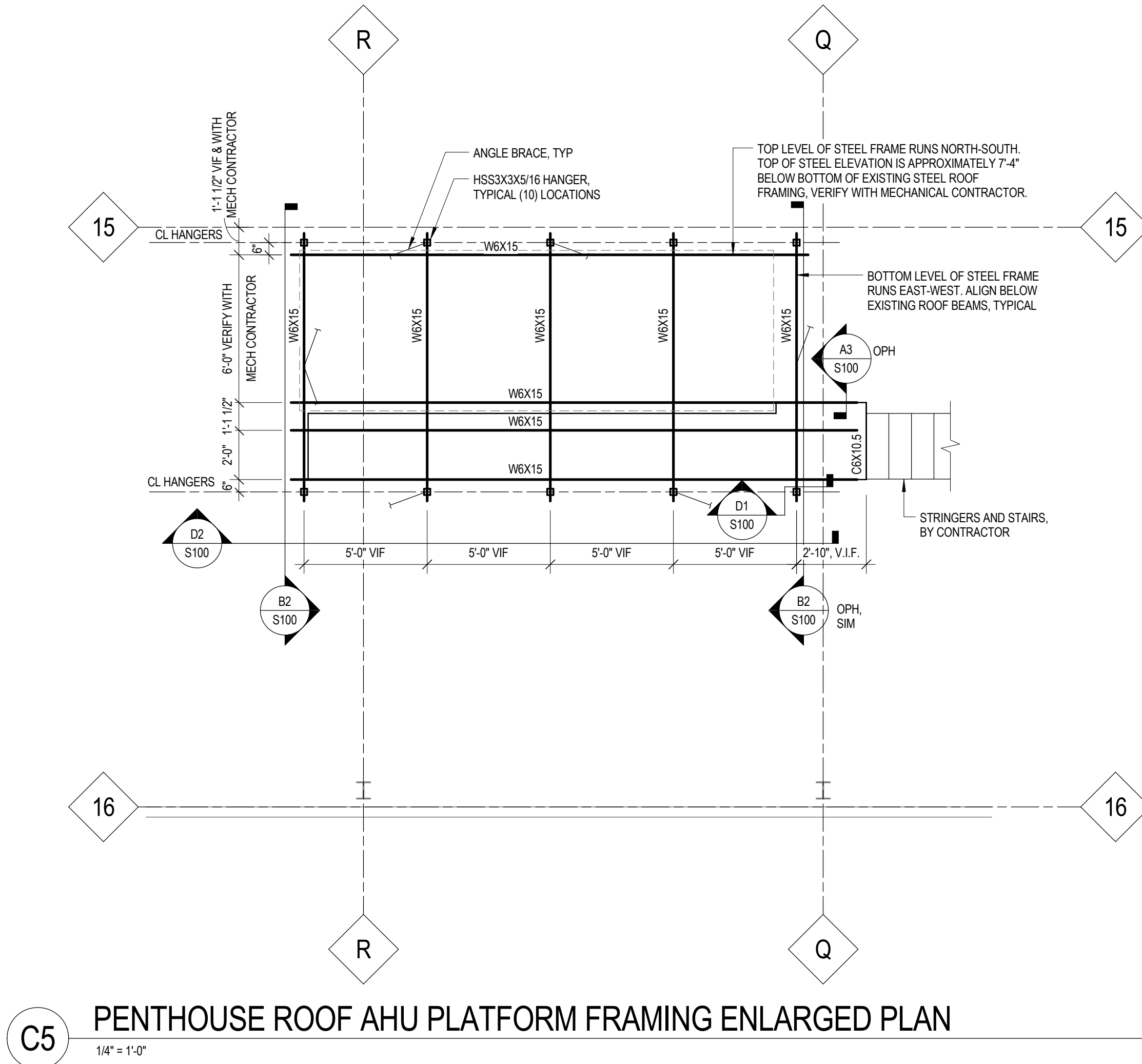
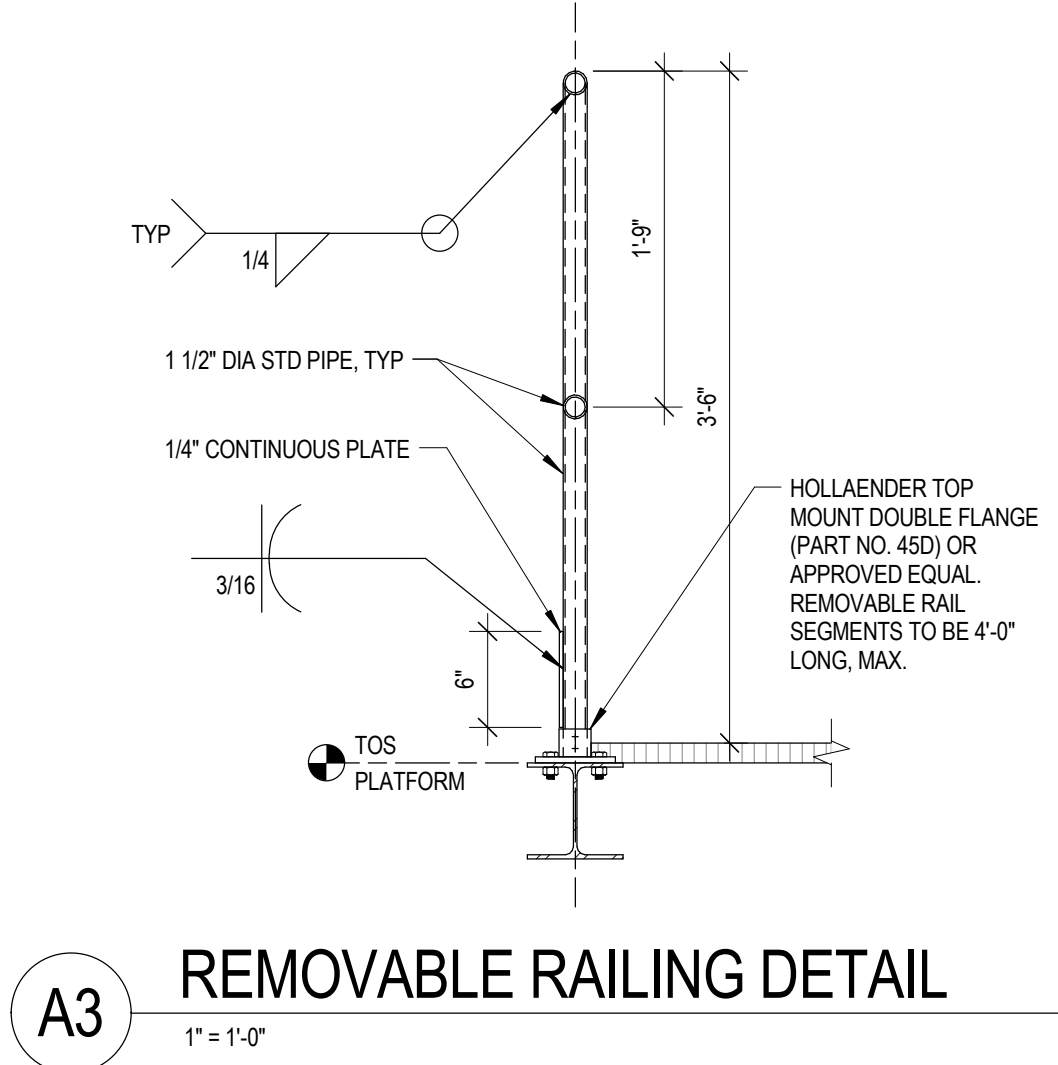
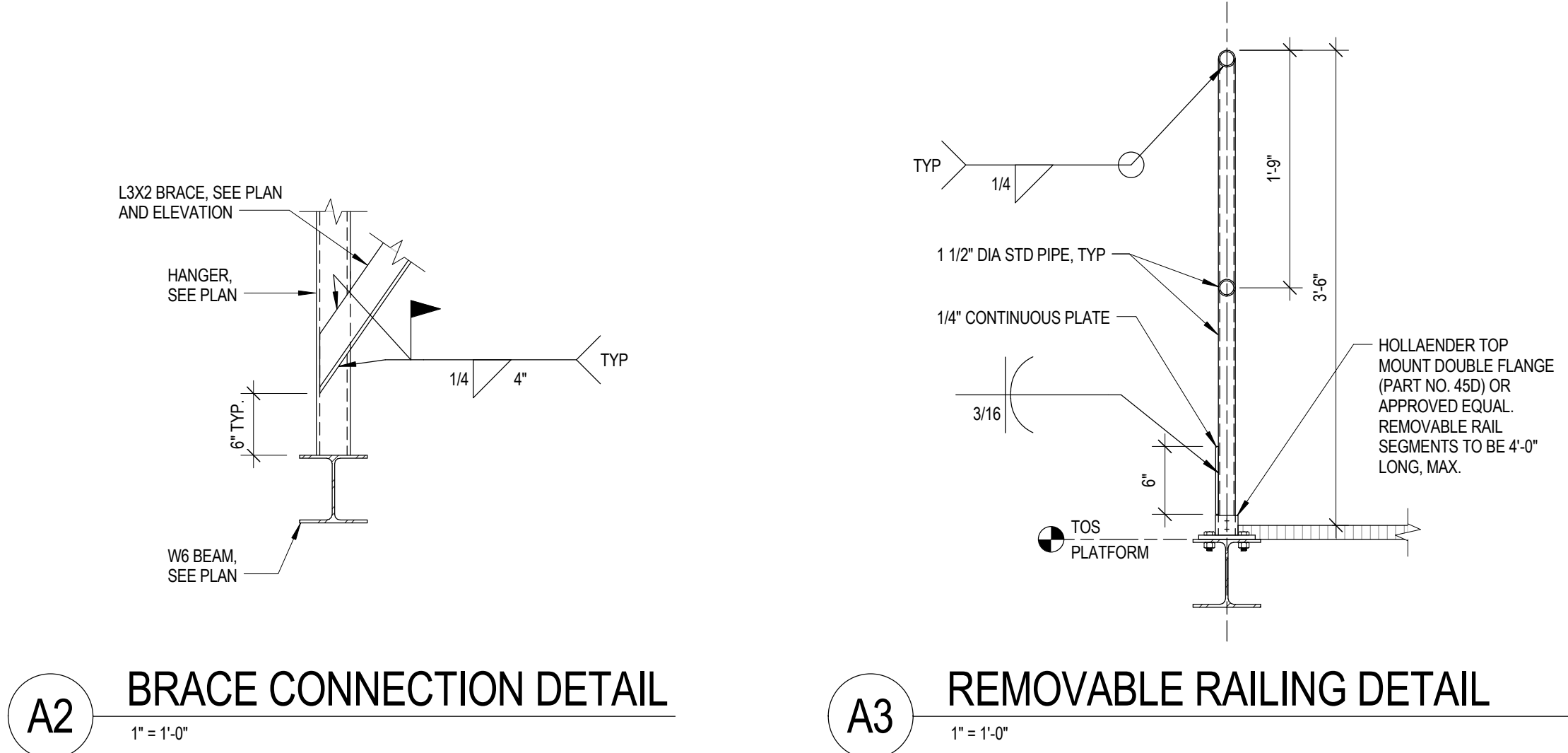
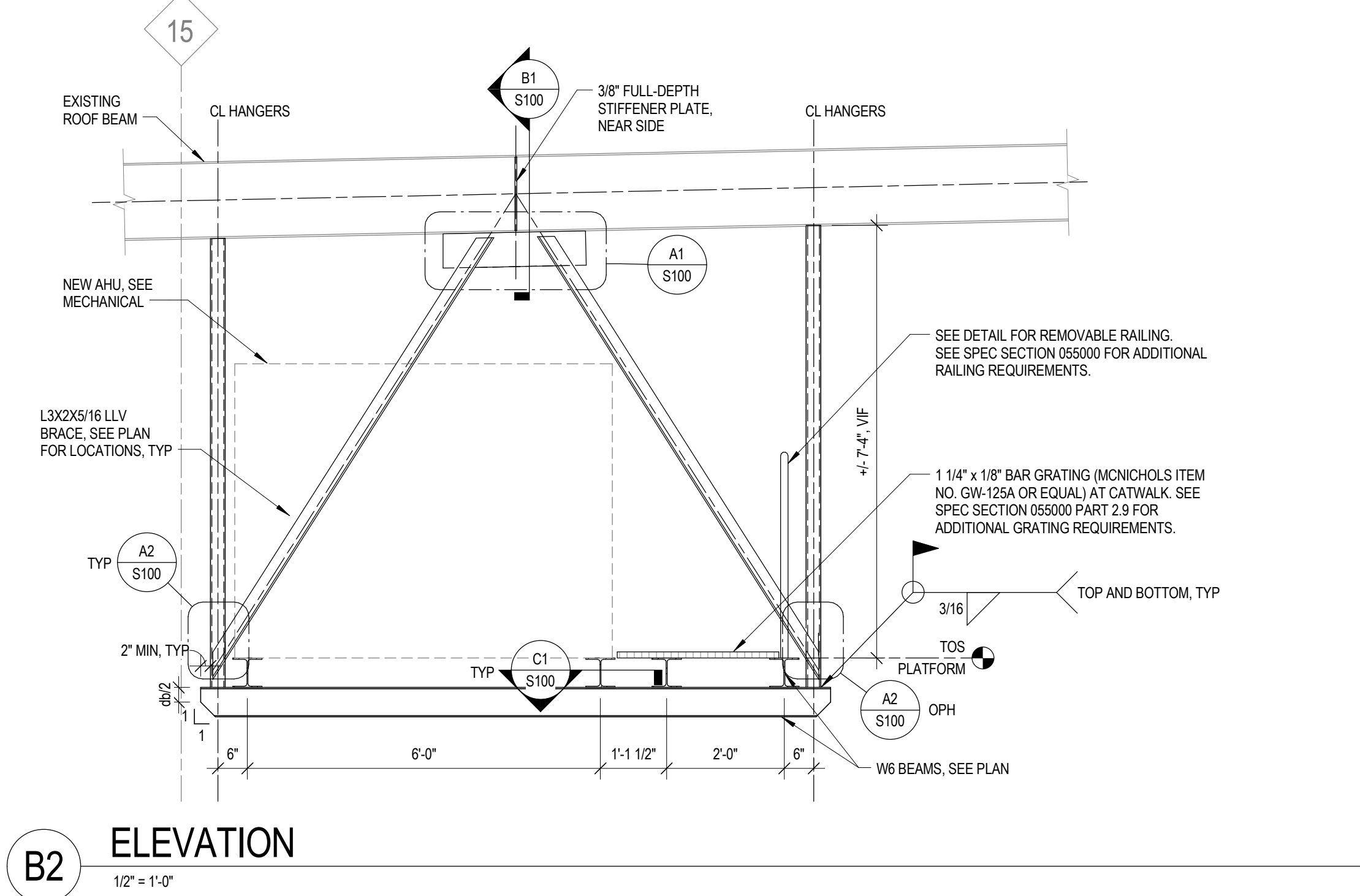
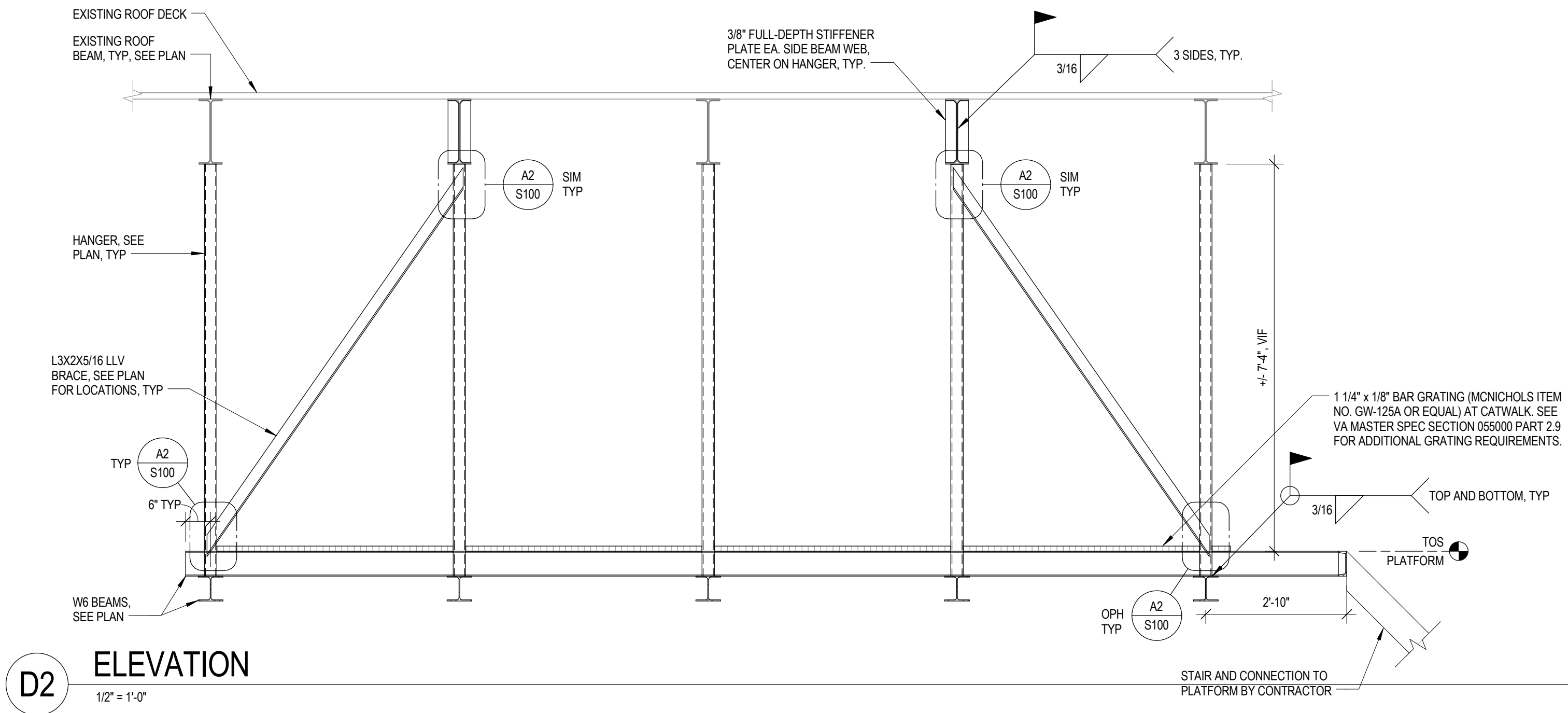
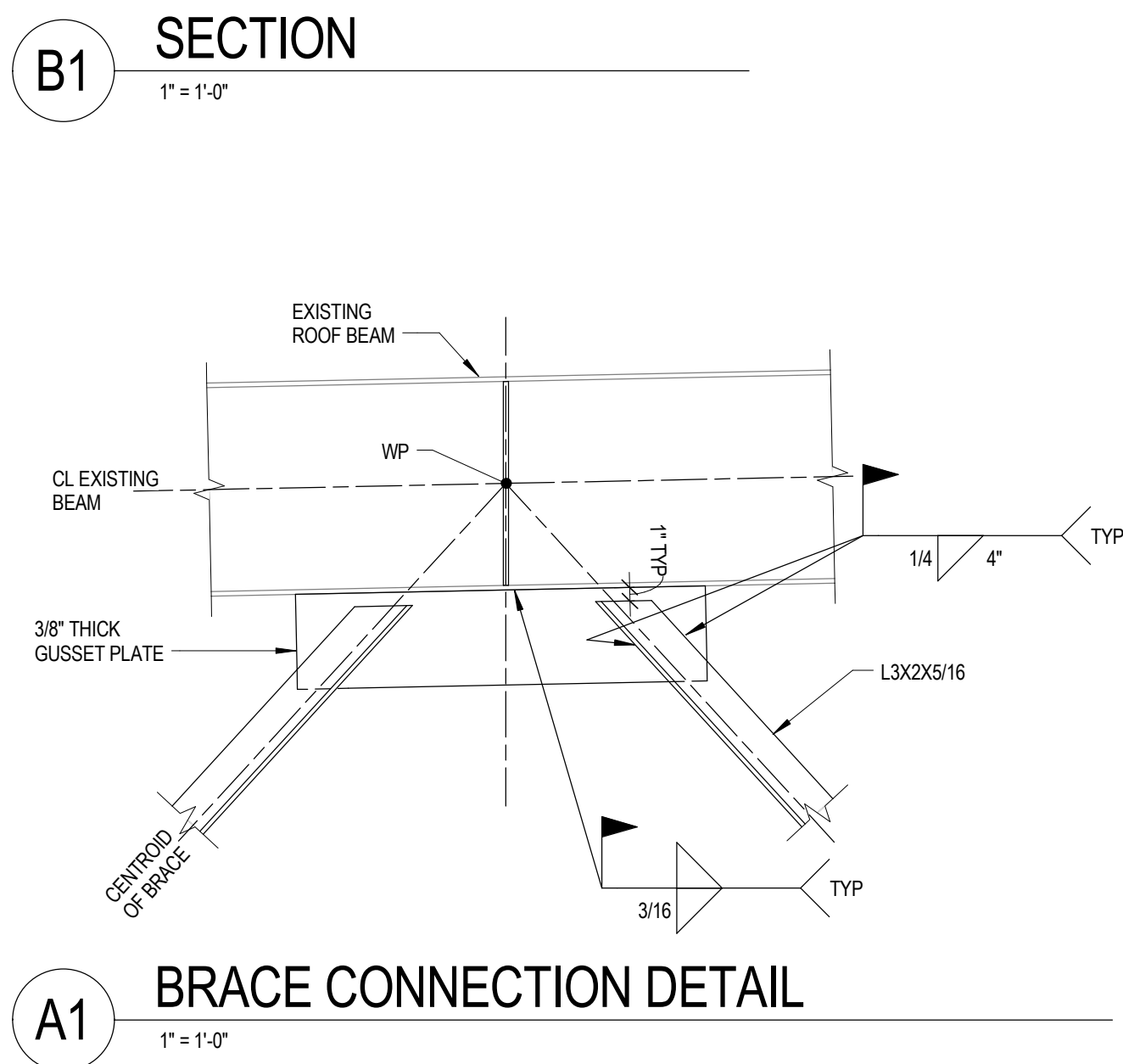
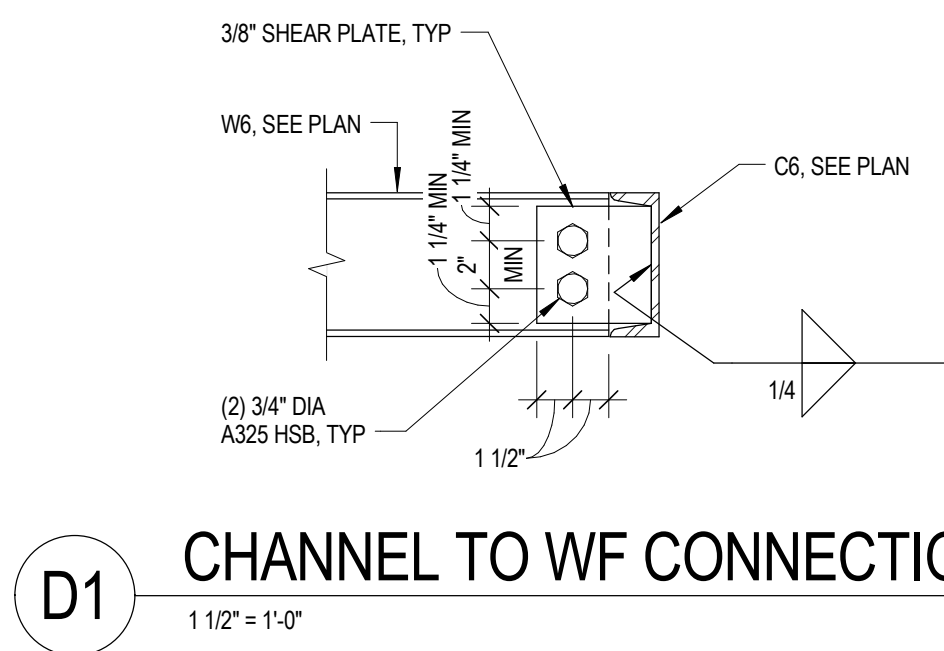
SHEET INDEX


S001	GENERAL NOTES
S100	PENTHOUSE ROOF AHJ PLATFORM FRAMING PLAN
S101	THIRD FLOOR FRAMING PLAN - WING B

100% CONSTRUCTION DOCUMENTS

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three inches = one foot  
one and one half inches = one foot  
one inch = one foot  
three quarters inch = one foot  
one half inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot



		<div>CONSULTANTS</div> <div><div>GRAEF</div><div>5126 W. Terrace Drive Suite 111 Madison, WI 53718</div></div>		<div>ARCHITECT/ ENGINEERS:</div> <div><div>13100 watertown plank road suite 200 elm grove, wi 53122</div><div><div>nagel</div><div>architects</div></div><div>Nagel Architects Project Number: 151101</div></div> <div><div>BRYANT E. STEMPSKI</div><div>WI PE No.37299</div></div>	<div>Drawing Title:</div> <div>PENTHOUSE ROOF AHU PLATFORM FRAMING PLAN</div>	<div>Project Title</div> <div>RENOVATE FOOD PRODUCTION ON 2C</div>	<div>Project Number</div> <div>607-16-131</div>	<div>Office of Construction and Facilities Management</div> <div><div> Department of Veterans Affairs</div></div>
			<div>Building Number</div> <div>Bldg 1</div>		<div>Building Number</div> <div>Bldg 1</div>	<div>Building Number</div> <div>2nd Floor C-Wing</div>		
						<div>Drawing Number:</div> <div>S100</div>		
						<div>Dwg. 42 of 99</div>		
Revisions	Date				<div>Approved: MMR</div>	<div>Location</div> <div>William S. Middleton VA Hospital, Madison, WI</div>	<div>Date</div> <div>05/05/2017</div>	

A

A

B

B

C

C

D

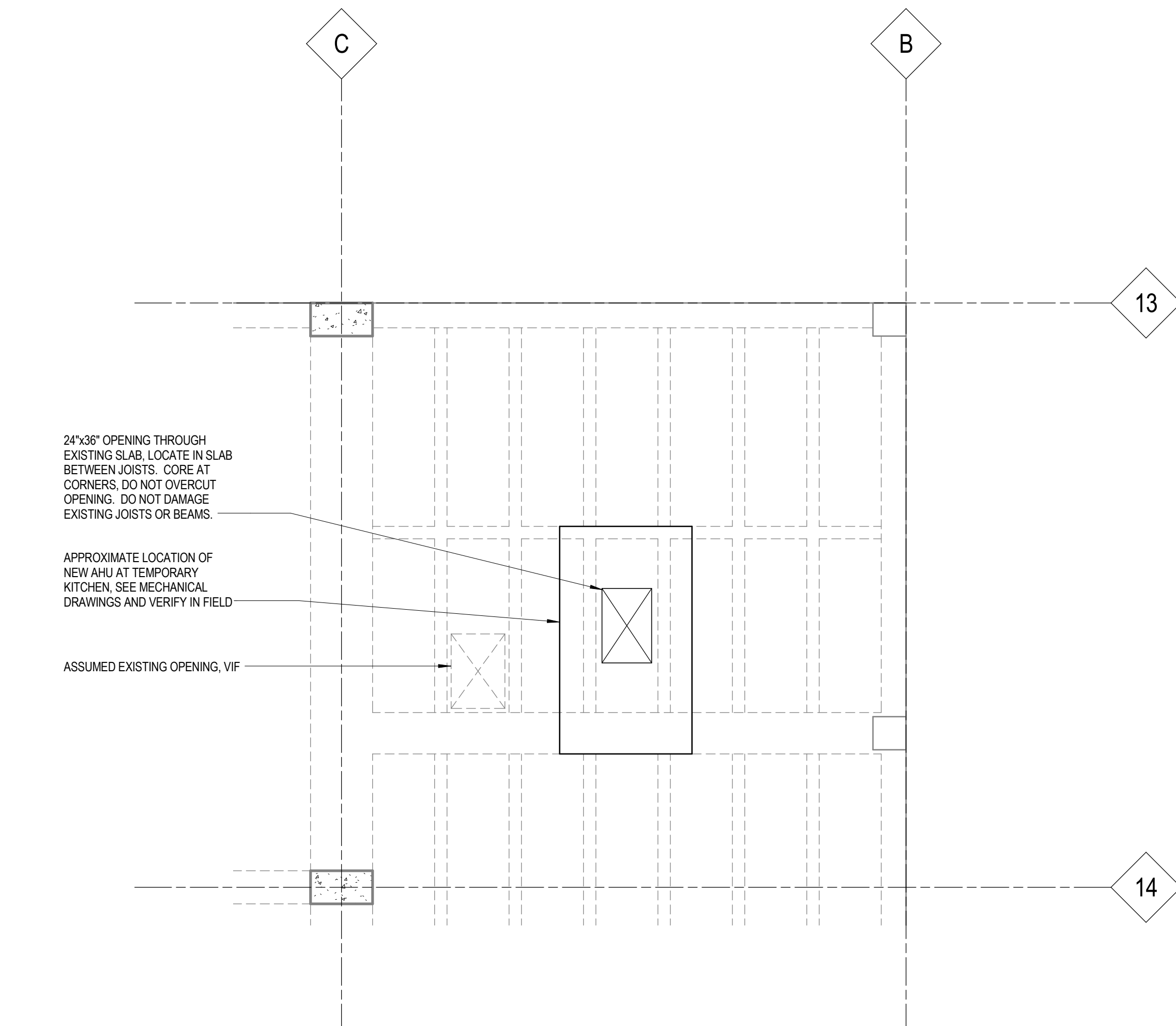
D

E

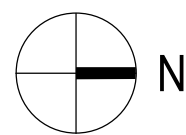
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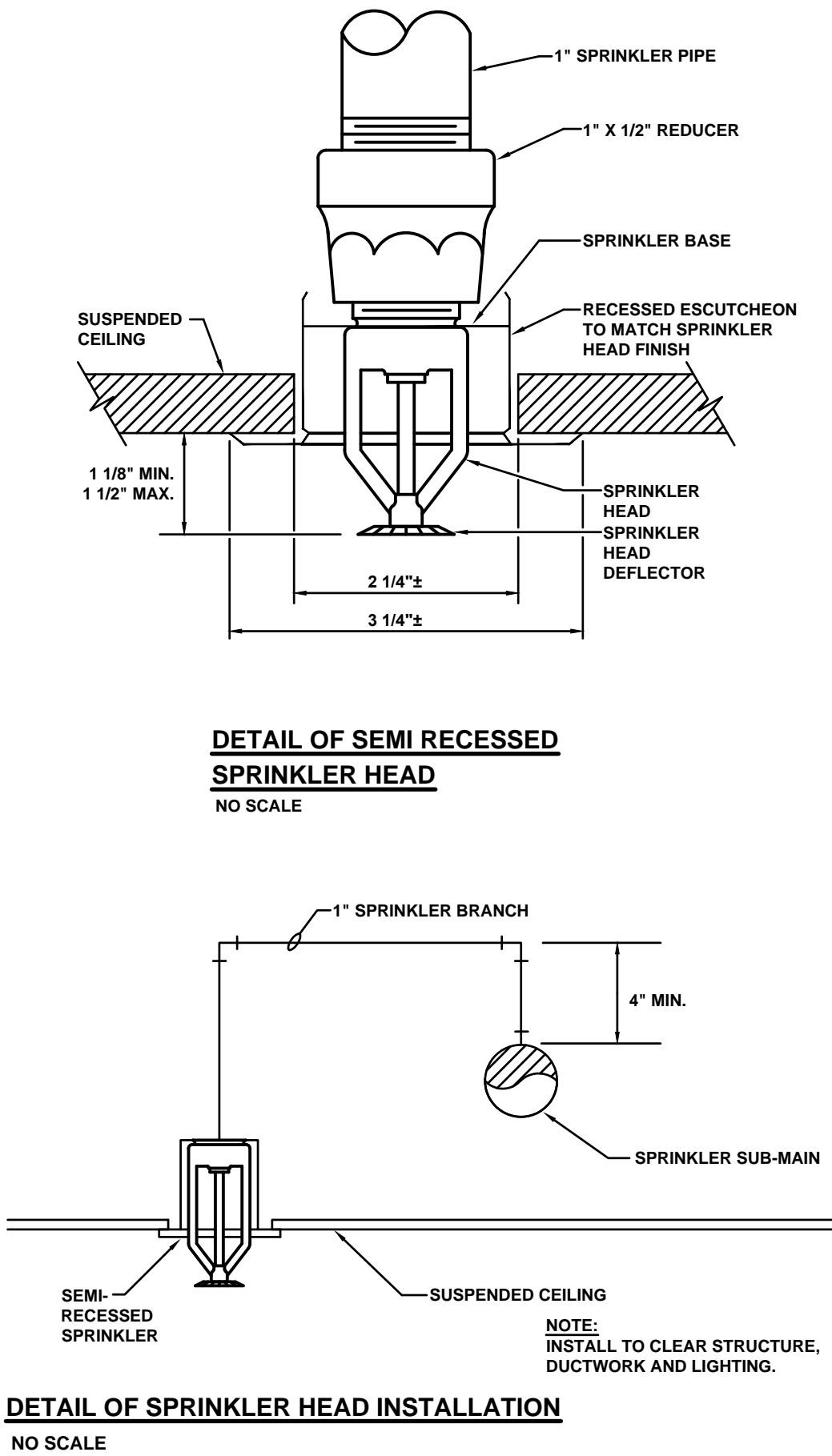
1 THIRD FLOOR (ROOF OVER 2ND FLOOR) FRAMING PLAN, TEMP. KITCHEN - WING B  
1/4" = 1'-0"



100% CONSTRUCTION DOCUMENTS

		CONSULTANTS		ARCHITECT/ ENGINEERS:	Drawing Title: THIRD FLOOR FRAMING PLAN - WING B	Project Title RENOVATE FOOD PRODUCTION ON 2C	Project Number 607-16-131	Office of Construction and Facilities Management
		<div>13100 watertown plank road suite 200 elm grove, wi 53122</div> <div></div> <div>Nagel Architects Project Number: 151101</div>						

three inches = one foot  
one and one half inches = one foot  
one inch = one foot  
one quarter inch = one foot  
three quarters inch = one foot  
one half inch = one foot  
three eighths inch = one foot  
one eighth inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot

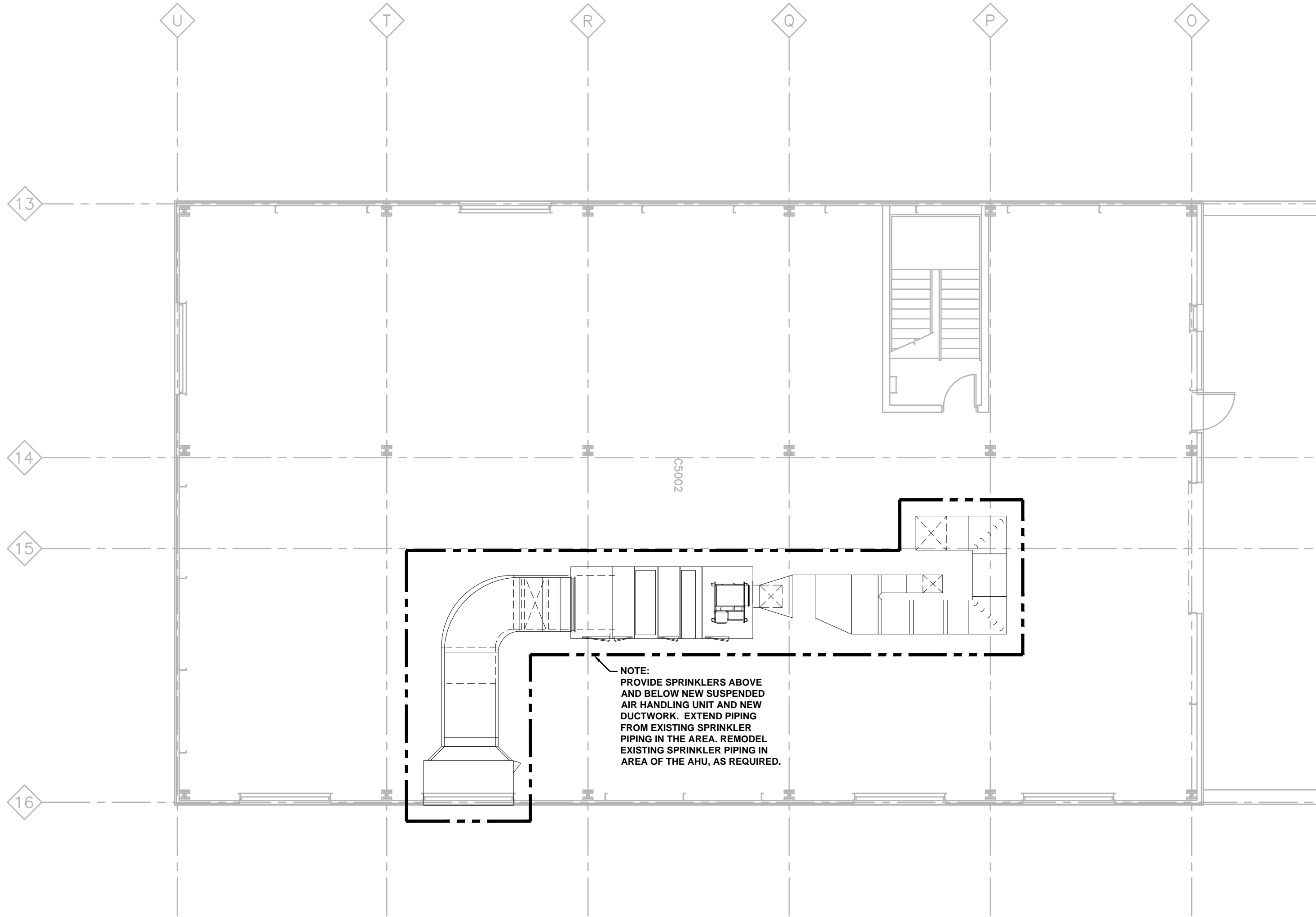


SPRINKLER HEAD SCHEDULE							
STYLE	LINKAGE TYPE	FINISH	QUICK RESPONSE	STANDARD	EXTENDED COVERAGE	MIN. TEMP. RATING (°F)	MISC. REQUIRED
RECESSED PENDENT	GLASS	3				165	
PENDENT	GLASS	2				165	WIRE GUARD
DRY PENDENT	GLASS	2				165	WIRE GUARD

FINISHES  
1. CHROME PLATE  
2. BRASS  
3. WHITE  
4. BLACK

NOT APPLICABLE  
 APPLICABLE

SYSTEM DESIGN SCHEDULE				
HAZARD CLASSIFICATION	DENSITY/AREA	MAX. HD. SPACING	HOSE DEMAND	OCCUPANCY
LIGHT	0.10 GPM/1500 S.F.	225 S.F.	100 GPM	OFFICES RESIDENTIAL/PATIENT (INCLUDING TOILET ROOMS) PUBLIC AREAS NURSES STATIONS EXAM/TREATMENT PROCEDURE MEDICATION/DIETARY LOCKERS STAFF WORK AREAS
ORDINARY/GROUP 1	0.15 GPM/1500 S.F.	130 S.F.	250 GPM	LAUNDRIES MECHANICAL EQUIP. ROOM W/IO GAS-FIRED EQUIP. STORAGE, UP TO 8 FEET ELECTRICAL EQUIPMENT COMMUNICATION EQUIPMENT KITCHEN



1 PARTIAL PENTHOUSE PLAN  
1/8"=1'-0"

NORTH

GENERAL NOTES FOR FIRE PROTECTION

- COORDINATE ALL WORK WITH EXISTING CONSTRUCTION TO REMAIN AND NEW WORK OF OTHER TRADES.
- REFER TO ARCHITECTURAL DRAWINGS FOR THE NEW CEILING WORK AND HVAC AND ELECTRICAL DRAWINGS FOR LIGHTS, GRILLES, ETC.
- PROPER PRECAUTION SHALL BE TAKEN TO KEEP THE BUILDING CLEAN OF DUST, DIRT AND CONSTRUCTION DEBRIS.
- MODIFY EXISTING PIPING FOR NEW SPRINKLER HEAD LOCATION IN ALL AREAS.
- FIRE PROTECTION SYSTEMS LOCATED OUTSIDE OF THE CURRENT CONSTRUCTION PHASE OR AREA SHALL BE OPERATIONAL AT THE END OF EACH WORK DAY, UNLESS APPROVED BY THE OWNERS REPRESENTATIVE.
- SEPARATION OF FIRE PROTECTION ZONES SHALL BE MAINTAINED. REMODELED AREAS SHALL BE PROTECTED BY THE FIRE PROTECTION ZONE CURRENTLY SERVING THE EXISTING AREA.
- MODIFY EXISTING PIPING AS REQUIRED TO COORDINATE WITH WORK OF OTHER CONTRACT DIVISIONS.
- EXISTING SPRINKLER HEADS ARE SHOWN ON THE DEMOLITION PLAN. VERIFY ALL EXISTING FIRE PROTECTION PIPING AND FLOW DATA.
- COMPLY WITH NFPA 13 FOR COVERAGE AND DENSITY.
- ALL EXISTING FIRE PROTECTION SHOWN HATCHED AND/OR DESIGNATED WITH AN "X" SHALL BE REMOVED. ALL FIRE PROTECTION NOT INDICATED TO BE REMOVED SHALL REMAIN.
- REFER TO THE SPECIFICATIONS FOR CUTTING AND PATCHING REQUIREMENTS.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING NECESSARY FOR THE WORK OF THIS CONTRACT UNLESS SPECIFICALLY SHOWN ON THE ARCHITECTURAL DRAWINGS.
- SEAL ALL EXISTING PIPE PENETRATIONS IN EXISTING CONSTRUCTION, WHERE PIPING IS REMOVED, TO MEET FIRE RATING OF THE CONSTRUCTION IN WHICH THEY OCCUR.
- FIRE STOPPING SHALL COMPLY WITH THE REQUIREMENTS OF THE SPECIFICATION.
- CONTRACTOR TO MAINTAIN PROPER SPRINKLER COVERAGE AT TEMPORARY WALLS.
- THE FIRE PROTECTION DRAWINGS ARE CONCEPTUAL. FOR GENERAL INFORMATION ONLY AND SHALL NOT BE CONSTRUED AS FINAL. DESIGN OR INSTALLATION DOCUMENTS, THE SPRINKLER DESIGN AND INSTALLATION SHALL BE THE RESPONSIBILITY OF THE DESIGN BUILD FIRE PROTECTION CONTRACTOR. THIS INCLUDES THE RELOCATION OF SPRINKLER MAINS, BRANCH PIPING AND HEADS AS NECESSARY FOR THE NEW DESIGN. REFER TO SPECIFICATION FOR DESIGN CRITERIA.
- PROVIDE WIRE GUARDS AROUND ALL EXPOSED PENDENT SPRINKLERS.

FIRE PROTECTION DEMOLITION NOTES:

- INFORMATION PERTAINING TO EXISTING PROJECT CONDITIONS SUCH AS PRESENT LOCATIONS OF ARCHITECTURAL AND STRUCTURAL BUILDING COMPONENTS, MECHANICAL AND ELECTRICAL EQUIPMENT, PIPING, DUCTWORK, ROUGH-IN, AND OTHER MISCELLANEOUS CONSTRUCTION APPEARS ON THE DRAWINGS. WHILE SUCH INFORMATION HAS BEEN BASED ON AVAILABLE RECORDS AND COLLECTED WITH REASONABLE CARE, THE ARCHITECT AND ENGINEER DOES NOT ASSUME ANY EXPRESSED OR IMPLIED GUARANTEE THAT CONDITIONS SO INDICATED ARE SHOWN ENTIRELY COMPLETE, CORRECT AND REPRESENTATIVE OF THOSE ACTUALLY EXISTING. ALL CONTRACTORS SHALL SATISFY THEMSELVES AS TO ALL EXISTING JOB CONDITIONS PRIOR TO BIDDING, AND VERIFY ALL DIMENSIONS AT THE SITE.
- ALL EXISTING FIRE PROTECTION SHOWN HATCHED AND/OR DESIGNATED WITH AN "X" SHALL BE REMOVED. ALL FIRE PROTECTION NOT INDICATED TO BE REMOVED SHALL REMAIN.
- WHERE EXISTING PIPING IS TO BE REMOVED AT A SLAB ON GRADE, CAP EXISTING PIPING FLUSH OR BELOW FLOOR LEVEL, SO AS NOT TO INTERFERE WITH NEW FLOOR FINISHES.
- EXISTING PIPING SHALL BE REMOVED BACK TO PIPING TO REMAIN. EXISTING PIPING SHALL NOT BE ABANDONED IN PLACE UNLESS APPROVED BY THE ENGINEER AND OWNER'S REPRESENTATIVE.
- DEMOLITION WORK SHALL BE COORDINATED WITH PHASED CONSTRUCTION. FIRE PROTECTION SYSTEM LOCATED OUTSIDE OF THE CURRENT CONSTRUCTION PHASE SHALL REMAIN OPERATIONAL.
- REFER TO THE SPECIFICATIONS FOR CUTTING AND PATCHING REQUIREMENTS.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING NECESSARY FOR THE WORK OF THIS CONTRACT UNLESS SPECIFICALLY INDICATED OTHERWISE WITHIN THE ARCHITECTURAL DRAWINGS OR SPECIFICATIONS.
- SEAL ALL EXISTING PIPE PENETRATIONS IN EXISTING CONSTRUCTION WHERE PIPING IS REMOVED. SEALED PENETRATIONS SHALL MATCH RATING OF THE CONSTRUCTION IN WHICH THEY OCCUR.
- FIRE PROTECTION CONTRACTOR SHALL REMOVE AND REINSTALL OR REPLACE EXISTING CEILING AS REQUIRED FOR ACCESS TO FIRE PROTECTION SYSTEMS. THIS INCLUDES AREAS OUTSIDE THE PROJECT CONSTRUCTION LIMITS.
- WHERE EXISTING PIPING IS REMOVED, REMAINING PIPING SHALL BE CAPPED BELOW FINISHED FLOORS, WITHIN WALLS AND ABOVE SUSPENDED CEILINGS.

ABBREVIATIONS:

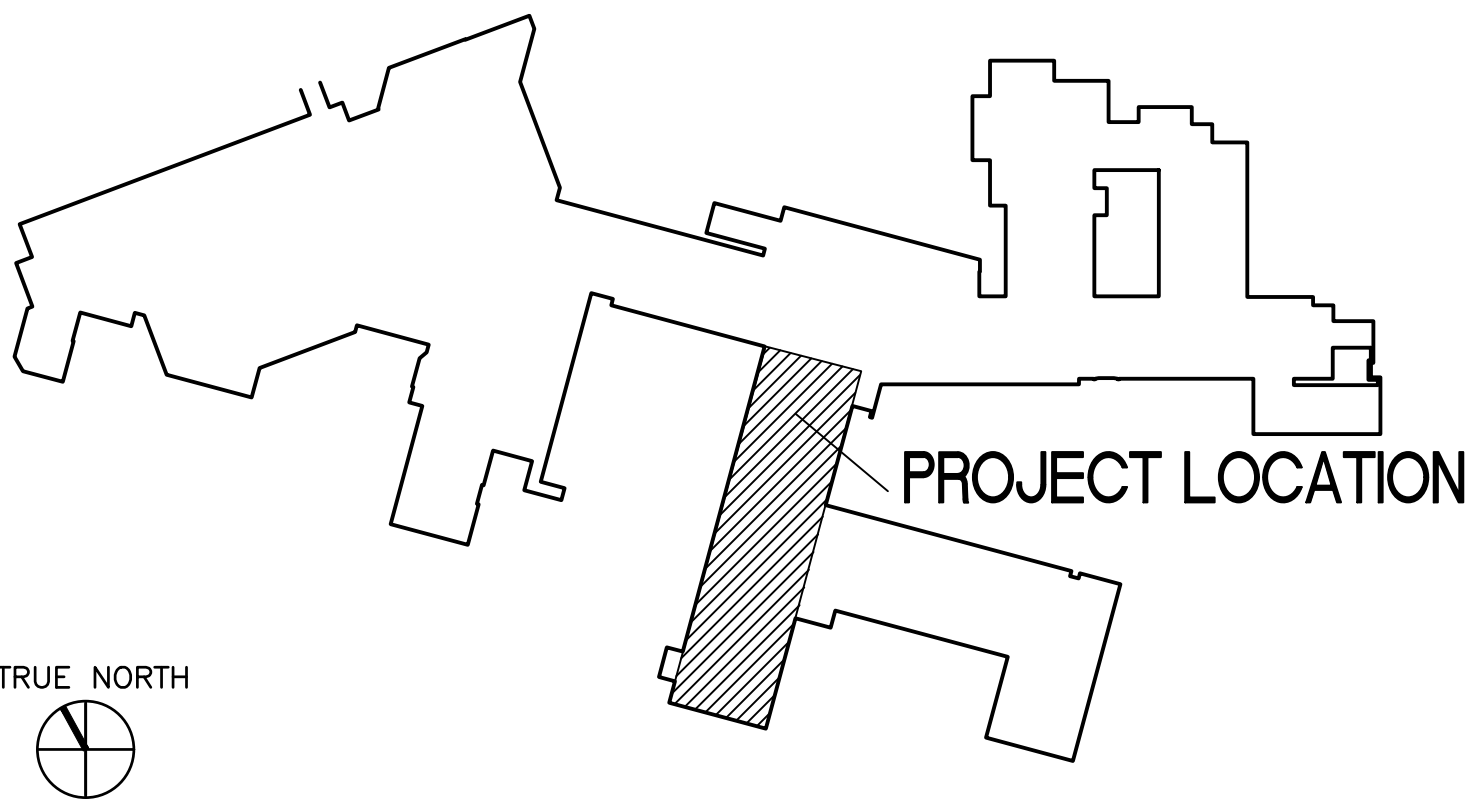
ALL ABBREVIATIONS SHOWN MAY NOT APPEAR ON DRAWINGS)

ADV ABOVE  
AFF ABOVE FINISHED FLOOR  
AFG ABOVE FINISHED GRADE  
AFISPL ANTI-FREEZE SPRINKLER LINE  
BFP BACKFLOW PREVENTER  
BLDG BUILDING  
CKV CHECK VALVE  
CLG CEILING  
DN DOWN  
DPISPL DRY PIPE SPRINKLER LINE  
EC ELECTRICAL CONTRACTOR  
ELEV ELEVATOR  
EQPM EQUIPMENT  
EXIST. EXISTING  
EXH HD EXHAUST HOOD  
FDC FIRE DEPARTMENT CONNECTION  
FHC FIRE HOSE CABINET  
FL FIRE LINE  
FLR FLOOR  
FPC FIRE PROTECTION CONTRACTOR  
FPTH FIRE PUMP TEST HEADER  
FPTL FIRE PUMP TEST LINE  
FS FLOW SWITCH  
MC MECHANICAL CONTRACTOR  
NIC NOT IN CONTRACT  
ITDV INSPECTOR'S TEST & DRAIN VALVE  
ITDL INSPECTOR'S TEST & DRAIN LINE  
OSD OPEN SITE DRAIN  
PAISPL PRE-ACTION SPRINKLER LINE  
P.A.S. PRE-ACTION SYSTEM  
PC PLUMBING CONTRACTOR  
PG PRESSURE GAUGE  
PS PRESSURE SWITCH  
RM ROOM  
S.A.R. SIZE AS REQUIRED  
SC/E SIAMESE CONNECTION/EXPOSED  
SC/F SIAMESE CONNECTION/FLUSH  
SC/FS SIAMESE CONNECTION/FREE-STANDING  
SCL SIAMESE CONNECTION LINE  
SHT SHEET  
SPHD SPRINKLER HEAD  
SPKR SPRINKLER  
SPL SPRINKLER LINE/WET PIPE  
STP STANDPIPE  
VTS VALVE WITH TAMPER SWITCH  
VCL VALVE CHAINED & LOCKED

SYMBOLS:

ALL SYMBOLS SHOWN MAY NOT APPEAR ON DRAWINGS)

— F — FIRE LINE  
— SP — WET PIPE SPRINKLER LINE  
— DPSP — DRY PIPE SPRINKLER LINE  
— AFISPL — ANTI-FREEZE SPRINKLER LINE  
— ITD — INSPECTORS TEST DRAIN LINE  
— PAS — PRE-ACTION SPRINKLER LINE  
— SC — SIAMESE CONNECTION LINE  
— FPT — FIRE PUMP TEST LINE  
 INSPECTORS TEST & DRAIN VALVE  
 EXISTING PIPING TO BE REMOVED  
 FLOW SWITCH  
 CONTROL VALVE  
 CHECK VALVE  
 PRESSURE GAUGE  
 PRESSURE SWITCH  
 FIRE HOSE CONNECTION (IN CABINET)  
 FIRE HOSE CONNECTION (EXPOSED)  
 SPRINKLER HEAD (REFER TO SCHEDULE ON DRAWINGS FOR TYPE)  
 SIDEWALL SPRINKLER HEAD  
 SPRINKLER HEAD BELOW DUCT OR OVERHEAD DOOR, AS APPLICABLE  
 EXISTING SPRINKLER HEAD TO REMAIN  
 EXISTING SPRINKLER HEAD TO BE REMOVED  
 CONNECT TO EXISTING PIPING  
 FINISHED FLOOR ELEVATION  
 SIAMESE CONNECTION/FLUSH  
 SIAMESE CONNECTION/EXPOSED  
 SIAMESE CONN./FREE-STANDING  
 EXISTING TO BE REMOVED  
 DOUBLE CHECK BACKFLOW PREVENTER  
 DOUBLE CHECK BACKFLOW PREVENTER WITH BYPASS METER  
 FIRE PUMP TEST HEADER/FREE STANDING  
 FIRE PUMP TEST HEADER/FLUSH  
 PRESSURE REDUCING VALVE



KEY PLAN

100% CONSTRUCTION DOCUMENTS

<b>CONSULTANTS:</b> Ring & DuChateau LLP 17400 W. Capitol Drive Brookfield, WI 53045 GRAEF 5126 W. Terrace Drive Suite 111 Madison, WI 53718 Environmental Management Consulting, Inc. W7748 County Highway V Lake Mills, WI 53551 The Concord Group 55 E. Monroe Street Suite 2850 Chicago, IL 60603		<b>ARCHITECT/ENGINEERS:</b> 13100 watertown plank road suite 200 elm grove, wi 53122 nagel architects Nagel Architects Project Number: 151101		<b>Drawing Title</b> FIRE PROTECTION SYMBOLS AND ABBREVIATIONS <b>Approved: Project Director</b> - - -		<b>Project Title</b> RENOVATE FOOD PRODUCTION ON 2C <b>Location</b> William S. Middleton Memorial VA, Madison WI <b>Date</b> 05/05/2017 <b>Checked</b> DH <b>Drawn</b> DMB		<b>Project Number</b> 607-16-131 <b>Building Number</b> Bldg 1 2nd Floor C-Wing <b>Drawing Number</b> FP000 Dwg 44 of 99		<b>Office of Construction and Facilities Management</b> Department of Veterans Affairs	
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