REFER TO ARCHITECTURAL DRAWINGS FOR STORAGE COMPONENT LAYOUT. STORAGE COMPONENTS ARE NOT A PART OF THIS CONTRACT.

UNLESS NOTED OTHERWISE, MINIMUM VERTICAL CLEARANCE OF 7'-0" MUST BE MAINTAINED.

COMPACTOR FRAMES, CANTILEVERED SHELVING, AND CABINETS ARE NOT A PART OF THIS CONTRACT.

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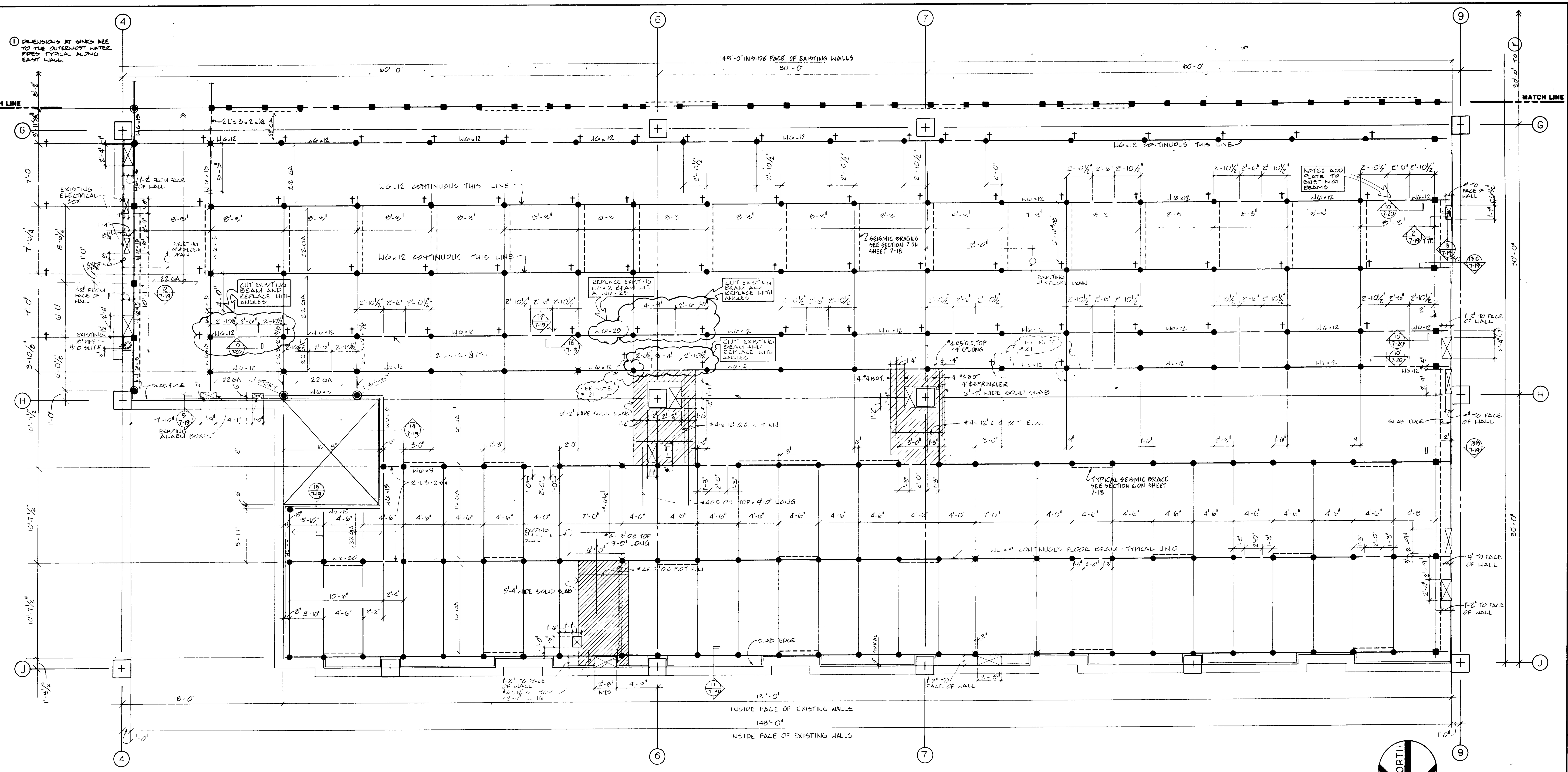
"USE OF THIS DRAWING AS A BASE SHEET FOR SHOP OR ERECTION DRAWINGS IS ILLEGAL."

PROJECT NO. 87092



NOTES:

1) FLOOR DECK SHALL BE 2 1/2" LIGHTWEIGHT CONCRETE W/1 LAYER OF 6X6-W1.4 X W1.4 W.W.F. OR 2 LAYERS OF 12X12-W1.4 X W1.4 W.W.F. ON 3" COMPOSITE FLOOR DECK (SEE SPECIFICATIONS). GAUGE SHALL BE AS NOTED ON PLANS AND ALL 22 GAUGE DECK SHALL BE 33 KSI AND ALL 16 GAUGE DECK SHALL BE 40 KSI, U.N.O. DECK SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S PRINTED INSTRUCTIONS, AND SHALL BE UNSHORED.
2) ALL COLUMNS BELOW LEVEL 2 SHOWN THUS: ● SHALL BE TS 4x2x1/4 FY=46 KSI, U.N.O.
3) ALL COLUMNS BELOW LEVEL 2 SHOWN THUS: ◉ SHALL BE TS 3x3x1/4 FY=46 KSI, U.N.O.
4) ALL COLUMNS BELOW LEVEL 2 SHOWN THUS: ⊠ SHALL BE TS 6x2x1/4 FY=46 KSI, U.N.O.
5) ALL COLUMNS BELOW LEVEL 2 SHOWN THUS: ■ SHALL BE TS 3x3x5/16 FY=46 KSI, U.N.O.
6) SEE BASE PLATE SCHEDULE SHEET 7-17 FOR BASE PLATE SIZE.
7) SEE SHEET 7-17 FOR COMPACTOR FRAME FRAMING PLAN ABOVE LEVEL 3.
8) DIAGONAL BRACING SHOWN THUS (---) SEE DETAILS ON SHEET 7-18.
9) LONG AXIS OF ALL COLUMNS AND BASE PLATES SHALL BE IN THE EAST/WEST DIRECTION, EXCEPT FOR COLUMNS MARKED THUS: † SHALL BE IN THE NORTH/SOUTH DIRECTION.
10) (*) PROVIDE #5 @ 12" O.C. X 28'-0" LONG TOP BARS - SEE SECTION 9 ON SHEET 7-19.
11) SEE DETAIL 7 ON SHEET 7-19 FOR TYPICAL CONSTRUCTION JOINT DETAIL.
12) SEE DETAIL 8 ON SHEET 7-19 FOR TYPICAL CONTROL JOINT.
13) AT ALL BEAM LINES, #4 @ 24" O.C. TOP BARS X 4'-0" LONG SHALL BE PROVIDED - SEE SECTION 7 ON SHEET 7-19.
14) EXISTING W8X31 MUST BE MODIFIED AND ADD SHEAR STUDS. CONTRACTOR TO FIELD VERIFY LENGTH OF BEAM AND OVERHANG.
15) THE NUMBER OF 3/4"⌀ SHEAR STUDS REQUIRED ON A BEAM SHALL BE SHOWN THUS: [XX] AT ALL BEAMS REQUIRING SHEAR CONNECTORS. STUDS SHALL BE SPACED UNIFORMLY ALONG THE BEAM.
16) HOLE MUST BE CUT OUT IN EXISTING BEAM WEB TO PROVIDE FOR SPRINKLER PIPE SLEEVE. HOLES IN BEAM WEB SHALL BE DRILLED. GAS CUTTING OF HOLES IN BEAM WEB IS NOT ALLOWED.
17) THE ENGINEER HAS ATTEMPTED TO NOTE CHANGES TO THE EXISTING CONSTRUCTION, HOWEVER, FAILURE OF THE ENGINEER TO NOTE SUCH CHANGES DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF PROVIDING THE STRUCTURE SHOWN ON THE DRAWINGS.
18) THE STEEL POST LINE AT WEST SIDE OF MAIN ACCESS AISLE SHALL BE THE CONTROL BASE LINE IN THE EAST/WEST DIRECTION. STEEL POSTS WEST OF THE ABOVE BASE LINE SHALL BE LAID OUT AND CONTRACTOR MUST VERIFY THAT THE MINIMUM DISTANCE IN SECTION 13 ON SHEET 7-19 IS SATISFIED. IF MINIMUM DIMENSIONS CANNOT BE OBTAINED, CONTACT THE CONTRACTING OFFICER'S REPRESENTATIVE.

THE STEEL POST LINE NEXT TO THE SOUTH WALL SHALL BE THE CONTROL BASE LINE FOR THE NORTH/SOUTH DIRECTION. CONTRACTOR SHALL LAY OUT THE STEEL POSTS FROM THE ABOVE BASE LINE TO THE NORTH WALL AND SHALL VERIFY THAT ALL STORAGE CABINET UNITS AND AISLE WIDTHS SHOWN CAN BE OBTAINED.
19) CONTRACTOR SHALL PLUG ALL HOLES AND GAPS IN THE DECK BEFORE CONCRETE POUR.
20) CUT DECK AROUND ALL EXISTING PIPES, CONDUITS, ETC. AT WALLS AND PROVIDE A NEATLY FORMED SHEET METAL CLOSURE.
21) LONG AXIS OF THIS COLUMN IN THE NORTH/SOUTH DIRECTION.

CONTRACTOR TO SEAL ALL EXISTING CONSTRUCTION, CONTROL, AND EXPANSION JOINTS IN SLAB ON GRADE AND ALL NEW CONSTRUCTION AND CONTROL JOINTS AS FOLLOWS:

1. ALL EXISTING AND NEW CONCRETE FLOOR CONSTRUCTION AND CONTROL JOINTS SHALL BE PREPARED TO BE 1/2" WIDE BY 3/4" DEEP AND BE THOROUGHLY CLEANED TO REMOVE ALL: SCALE, DIRT, DUST, RESIDUE AND ANY OTHER MATERIALS THAT MIGHT PREVENT BONDING OF SEALANT.
2. JOINT MUST BE WASHED WITH COMPRESSED WATER AND BLOWN DRY WITH OIL FREE COMPRESSED AIR.
3. WIPE JOINT WITH SOLVENT TULOULENE OR EQUAL.
4. INSTALL CLOSE CELL HERCULES (1/4" OR 1/2") BACKER ROD WITHOUT PUNCTURING OR DAMAGING WITH ROUNDED TOOL.
5. INSTALL DOW 795 OR APPROVED EQUAL SEALANT PER MANUFACTURER'S RECOMMENDATION IN A WORKMAN LIKE MANNER AND TOOL IT WITH A SPATULA. SEE SPECIFICATIONS.

NOTE: PROVIDE FOR SEALING OF 24,000 LINEAR FEET OF CONTROL AND CONSTRUCTION JOINTS.

6. ALL EXISTING CONCRETE FLOOR **EXPANSION JOINTS** SHALL BE PREPARED AS CITED ABOVE AFTER RECESSING THE EXISTING EXPANSION JOINT FILLER MATERIAL BY 3/8" AND INSTALL THE SPECIFIED SEALANT FLUSH WITH FINISHED FLOOR PER MANUFACTURER'S RECOMMENDATIONS.

NOTE: PROVIDE FOR SEALING OF 1,300 LINEAR FEET OF EXISTING EXPANSION JOINT REPAIR IN SLAB ON GRADE.

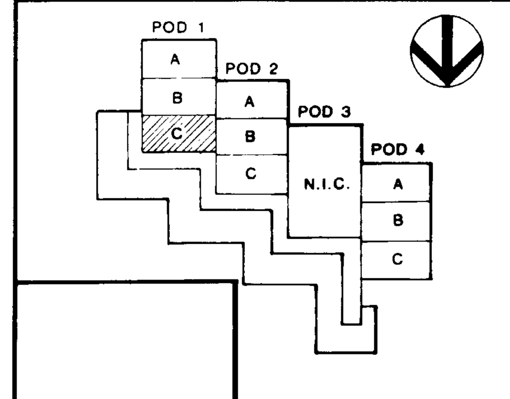
COMPOSITE DECK CONSTRUCTION AND CONTROL JOINT NOTES

1. CONSTRUCTION JOINTS IN COMPOSITE DECK TO BE OVER STEEL BEAM LINES AND SHALL EXTEND ACROSS THE ENTIRE POD IN THE E/W DIRECTION.
2. MAXIMUM POUR SHALL NOT EXCEED 5000 FT^2 OF SURFACE AREA.
3. CONTROL JOINTS IN THE EAST/WEST DIRECTION SHALL BE PLACED OVER ALTERNATE STEEL BEAM LINES AND SHALL EXTEND ACROSS THE ENTIRE POD.
4. CONTROL JOINTS IN THE NORTH/SOUTH DIRECTION SHALL BE SPACED AT 25'-0" CENTER TO CENTER MAXIMUM AND SHALL BE COORDINATED TO BE LOCATED AT BREAKS IN THE FLOOR PLATES. CONTROL JOINTS IN THE NORTH/SOUTH DIRECTION SHALL BE LOCATED TO AVOID NORTH/SOUTH AISLES.
5. CONTRACTOR TO SUBMIT PROPOSED CONTROL JOINT LAYOUT AND OBTAIN APPROVAL FROM CONTRACTING OFFICERS REPRESENTATIVE BEFORE CONSTRUCTION BEGINS.

6-13-88

CAUTION:
DRAWINGS MAY BE REDUCED

GRAPHIC SCALE 1/4" : 1'-0"



KEY PLAN

METCALF & ASSOC./ KCF — Architects
Mueller Assoc., Inc. — M/E Engineer
Cagley & Assoc., Inc. — Structural Engineer

Approved	Arch	Struct.	Mech.	Elect.

GENERAL SERVICES ADMINISTRATION
PUBLIC BUILDINGS SERVICE WASH., DC

BUILDING	Name	SI MUSEUM SUPPORT CENTER
	Address	Street: SILVER HILL ROAD
		City: SUITLAND State: MD
	Number	MD 0153ZZ
PROJECT	Description	MUSEUM SUPPORT CENTER STORAGE SYSTEM REPROCUREMENT
	Number	RMD 38074
DRAWING	Drawn By / Ckd By / Date	6/9/88
	Title	POD 1 LEVEL 2 SECTION C
	Type	
	Number	7 (Type) / (Series) / 3 (Sequence)
A-E	Contract	GS 11B 99021
Construction	Number	