

HOLLOW STRUC. STEEL (HSS)
COLUMNS: 8X8X1/2 (TYP. AT
CORE)

PRIMARY HVAC EQUIPMENT
LOCATED AT TOP AND BOTTOM
FLOORS. MAIN SUPPLY/RETURN
FEEDING DUCTS LOCATED IN
CONT. VERTICAL SHAFTS

PLUMBING AND FIRE PROTECTION
SYSTEMS LOACTED IN CONT.
VERTICAL SHAFTS

ELEC. & COMM. SYSTEMS PRIMARY
DISTRIBUTION AT BUILDING CORE.
CONDUIT RISERS LOCATED IN
VERTICAL SHAFTS

VERTICAL CIRCULATION
ELEMENTS, STAIRS AND
ELEVATORS, ARE LOCATED WITHIN
CONT. VERT. SHAFTS

PRE-FINISHED METAL RAINSCREEN
WITH CLADDING PANELS OVER
CONT. RIGID INSUL. AND 6" BACKUP
WALL. TYP. AT ALL CORE AREA
WALLS

ALL VERTICAL BUILDING SYSTEMS
AT THIS LOCATION (BUILDING
CORE)

12" REINF. CAST IN PLACE CONC.
FOUNDATION WALL BELOW GRADE
(TYP.)

HSS 8X8 STEEL TRUSS
MEMBERS FRAME ROOF
ROOF STRUCTURE (TO BE
DEVELOPED)

DIAG. FRAMING TO
SUPPORT SAW-TOOTH
ROOF SYSTEM, SLOPE FOR
DRAINAGE, TYPICAL. SEE
STRUCTURAL DRAWINGS
FOR SPECIFICATIONS.

MULLION SYSTEM
FOLLOWS STRUCTURAL
LAYOUT & IS EVENLY
DIVIDED INTO 5 PANELS
PER BAY (TYP.)

2-1/2" X 5" PRE-FINISHED
ALUM. MULLIONS
SURROUND ALL EXT.
ENCL. PANELS (TYP.)

SPANDREL GLASS SYSTEM
IN PRE-FINISHED ALUMINUM
CURTAINWALL SYSTEM,
YELLOW FINISH MATERIAL

8" CAST IN PLACE CONC.
SLAB 1' BELOW GRADE
(TYP.)

COMMERCIAL RAISED 2"
METAL DECK FLOORING
SYSTEM (TYP.)

FOUNDATION SYSTEM BELOW
FROST LINE. REINF. CONC PEIRS
WITH REINF. CONC FOOTINGS

PANELS CURVE AT CORNERS
OF CORE AREA OF BUILDING.

SEE FINISH DETAILS FOR
EXTERIOR FLOOR FINISH
MATERIAL SPECIFICATIONS.

1 3D SW Enclosure Systems

LTU CoAD ARC 2323

Construction Systems 2

Jalen Davis, Spring 2020

Project Source

Headquarters in London
London, England

Designer

Sheet Issued

03/25/20

Sheet Title

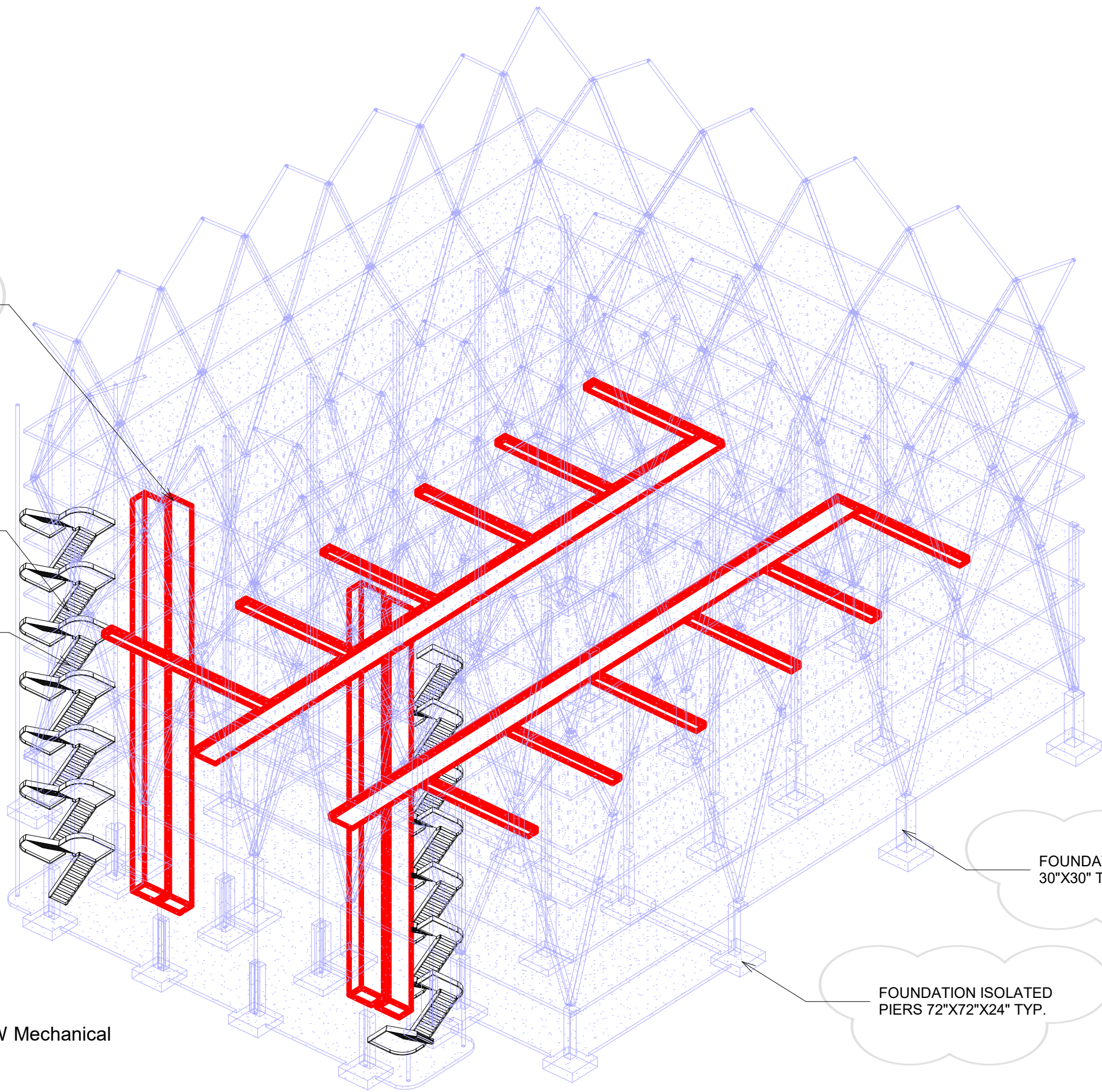
3D Overlay SW -
Enclosure Systems

A001

HVAC SYSTEM PRIMARY DISTRIBUTION: SUPPLY AIR & RETURN AIR TRUNK DUCTS IN CONT. VERTICAL SHAFTS (HVAC ROOFTOP UNIT ABOVE)

PIPE SYSTEM PRIMARY DISTRIBUTION: SUPPLY WATER AT THIS LOCATION.

VERTICAL CIRCULATION: STAIRS & ELEVATORS IN CONT. VERTICAL SHAFTS



FOUNDATION COLUMN
30"X30" TYP.

FOUNDATION ISOLATED
PIERS 72"X72"X24" TYP.

① 3D SW Mechanical

STEEL ROOF STRUCTURE

CIRCULATION STAIRS IN CONT. SHAFT

VERT. SUPPORT FRAMING: REINFORCED CONC. COLUMNS

HSS COLUMNS: 8X8X1/2

FLOOR SLAB: 8" REINFORCED CONCRETE

PRE-FINISHED ALUM. CURTAINWALL SYS. WITH THERMALLY BROKEN FRAME & 1" INSUL. GLAZING UNITS

2-1/2" X 5" PRE-FINISHED ALUM. MULLIONS SURROUND ALL EXT. ENCLOSURE PANELS (TYP.)

OPAQUE ENCLOSURE PRE-FINISHED METAL RAINSCREEN CLADDING PANELS OVER CONT. RIGID INSUL & 8" BACKUP WALL (TYP.) AT CORE WALL AREAS. (TO BE DEVELOPED.)

METAL PANELS SET INSAME MULLION FRAME SYSTEM AS CURTAINWALL SYS. (TYP)

12" CONCRETE FOUNDATION WALL WITH STRIP FOOTING

0 0.1 1 1.1 2 2.1 3 3.1 4 4.1 5 5.1 6 6.1 7

8'-0" 11'-10" 11'-10" 11'-3" 11'-3" 11'-10" 11'-10" 11'-3" 11'-3" 13'-10" 9'-10" 13'-1 1/2" 9'-4 1/2"

HSS 8X8 TRUSS MEMBERS. ROOF EPDM ON 3" INSUL BOARD ON 2" METAL DECK (NOT SHOWN FOR CLARITY)

Level 8 81'-8"
Level 7 70'-0"
Level 6 58'-4"
Level 5 46'-8"
Level 4 35'-0"
Level 3 23'-4"
Level 2 11'-8"
Level 1 0'-0"
Level 0 -11'-8"

1 Elevation South
1/16" = 1'-0"

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Construction Systems 2

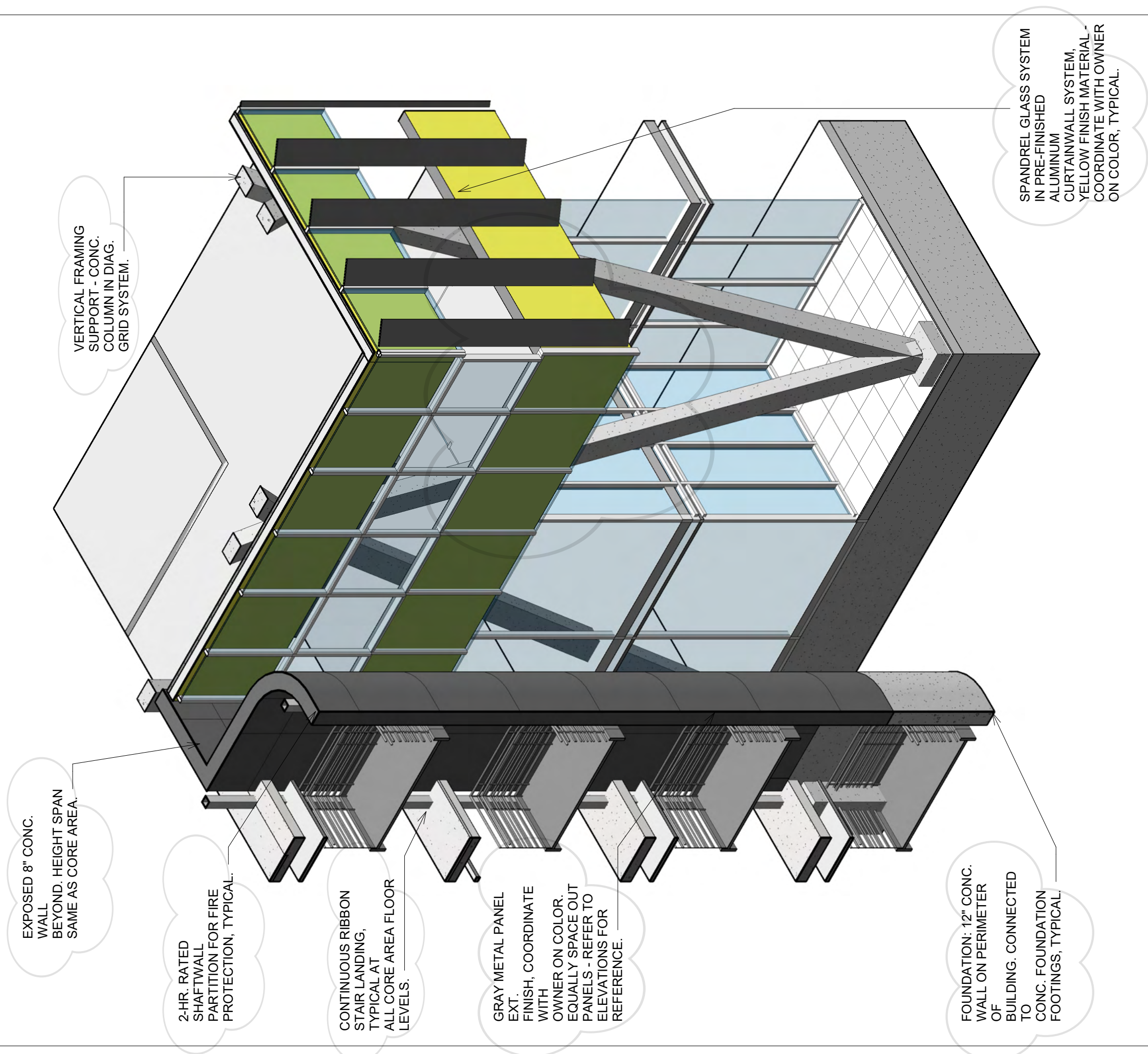
Jalen Davis, Spring 20

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Sheet Title
South Elevation

A302



1 3D - Wall Section

SPANDREL GLASS SYSTEM
IN PRE-FINISHED
ALUMINUM
CURTAINWALL SYSTEM,
YELLOW FINISH MATERIAL -
COORDINATE WITH OWNER
ON COLOR, TYPICAL.

VERTICAL FRAMING
SUPPORT - CONG.
COLUMN IN DIAG.
GRID SYSTEM.

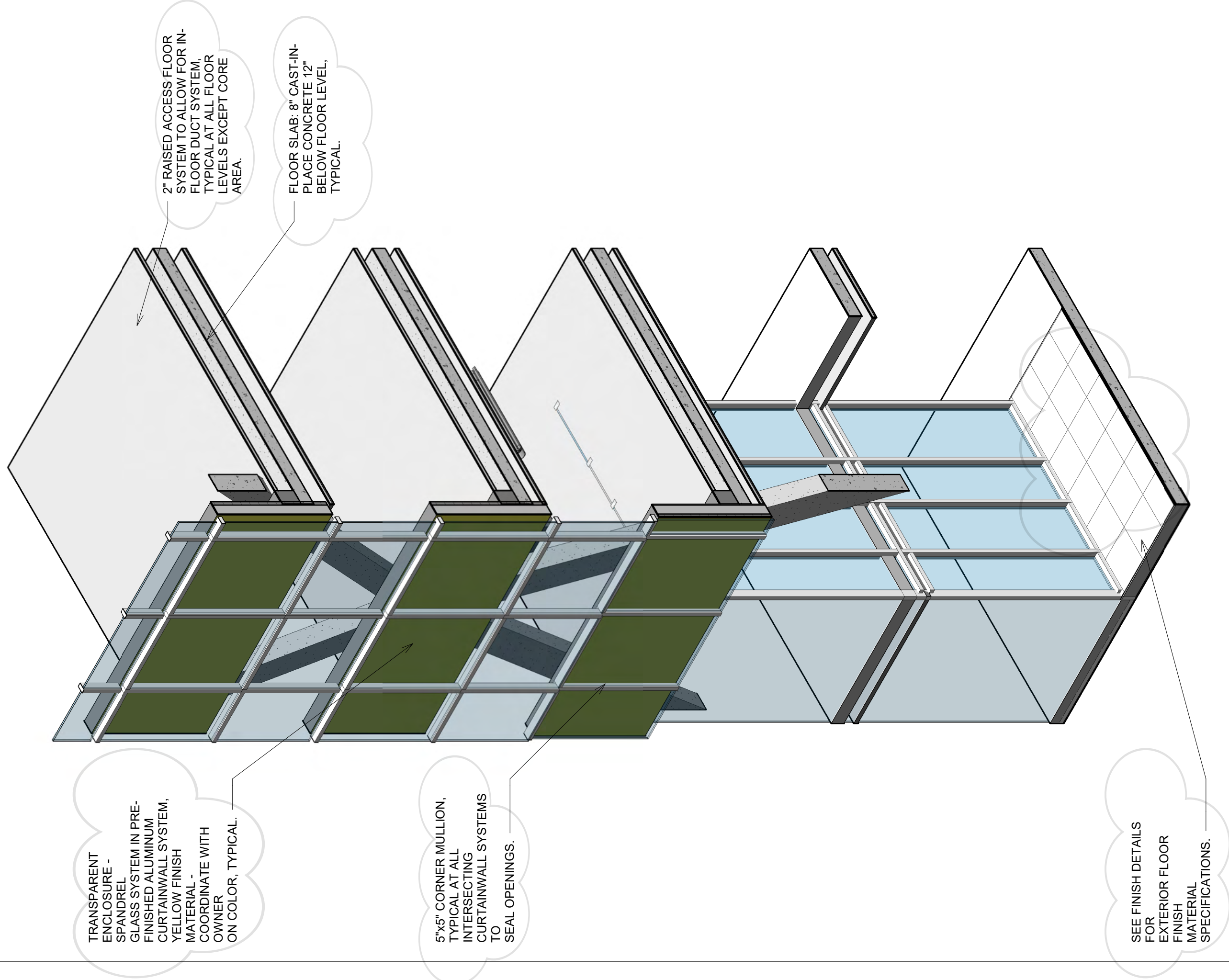
EXPOSED 8" CONG.
WALL
BEYOND HEIGHT SPAN
SAME AS CORE AREA.

2-HR. RATED
SHAFTWALL
PARTITION FOR FIRE
PROTECTION, TYPICAL.

CONTINUOUS RIBBON
STAIR LANDING,
TYPICAL AT
ALL CORE AREA FLOOR
LEVELS.

GRAY METAL PANEL
EXT.
FINISH, COORDINATE
WITH
OWNER ON COLOR.
EQUALLY SPACE OUT
PANELS - REFER TO
ELEVATIONS FOR
REFERENCE.

FOUNDATION: 12" CONG.
WALL ON PERIMETER
OF
BUILDING. CONNECTED
TO
CONG. FOUNDATION
FOOTINGS, TYPICAL.



1 3D - Wall Elevation

A382

Sheet Title

3D - Wall Elevation

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Construction Systems 2
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