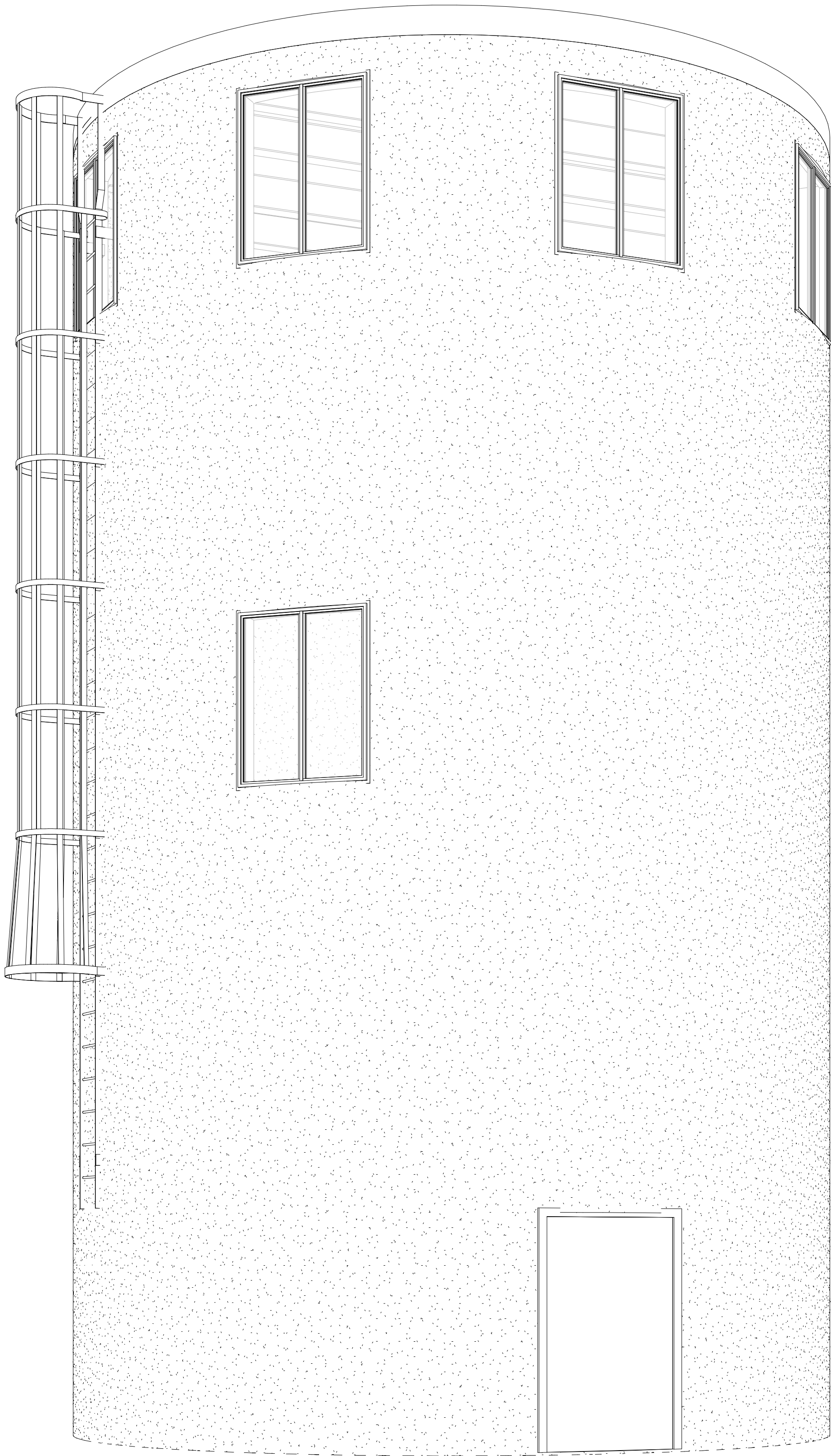


DRAWINGS PROVIDED FOR


FOUR SEASONS SUNROOMS

*MONTEITH SUNROOM SILO*

5749 WOODHULL ROAD, LONDON ONTARIO



SHEET SCHEDULE	
SHEET NO.	SHEET NAME
S-0	COVER SHEET
S-1	FOUNDATION/GROUND FLOOR PLAN
S-2	LEVELS 1 & 2/ROOF FRAMING PLAN
S-3	BUILDING SECTION/ WALL SECTION/ NORTH ELEVATION
S-4	ELEVATIONS



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ENGINEERING INC.  
AGRICULTURE - COMMERCIAL - RESIDENTIAL  
P: 905-512-2377  
E: office@dlxengineering.com

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LICENCED PROFESSIONAL ENGINEER  
N.P. HIEMSTRA  
100224382  
Mar31/21  
PROVINCE OF ONTARIO

PROJECT STATUS:		
NO:	DATE:	STATUS:
5	FEB. 23, 2021	FOR CONSTRUCTION
6	MARCH 15, 2021	FOR CONSTRUCTION
7	MARCH 30, 2021	FOR CONSTRUCTION
4	JAN. 5, 2021	FOR STAIR COORDINATION

CONTRACTOR NAME & ADDRESS:  
FOUR SEASONS SUNROOMS  
775 WHARNCLIFFE ROAD SOUTH,  
LONDON ONTARIO

PROJECT NORTH:TRUE NORTH:

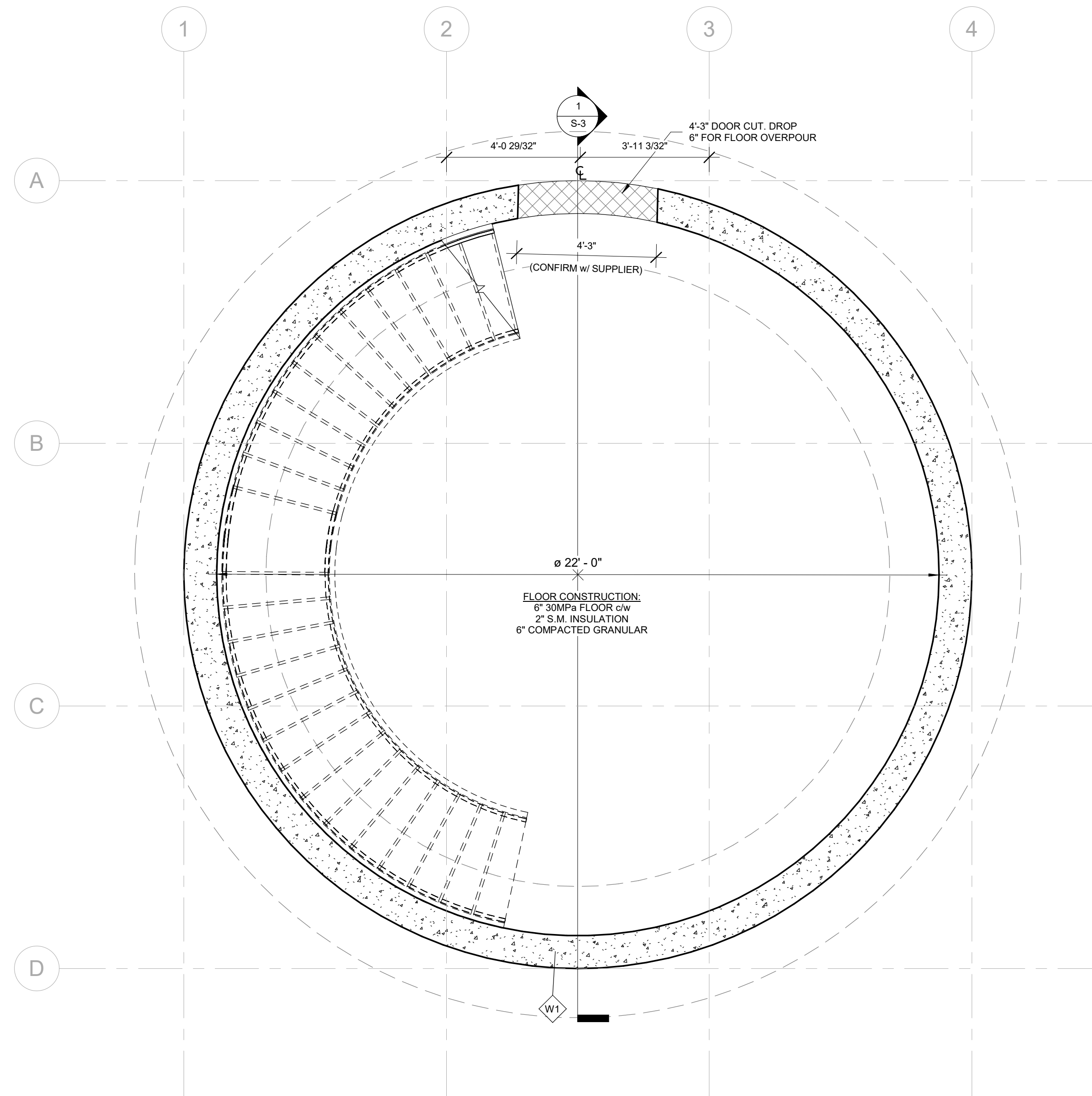
Project #:  
DLX20-439  
Drawn by:  
M.L.  
Checked by:  
N.H.

PROJECT NAME & ADDRESS:  
MONTEITH SUNROOM SILO  
5749 WOODHULL ROAD,  
LONDON ONTARIO

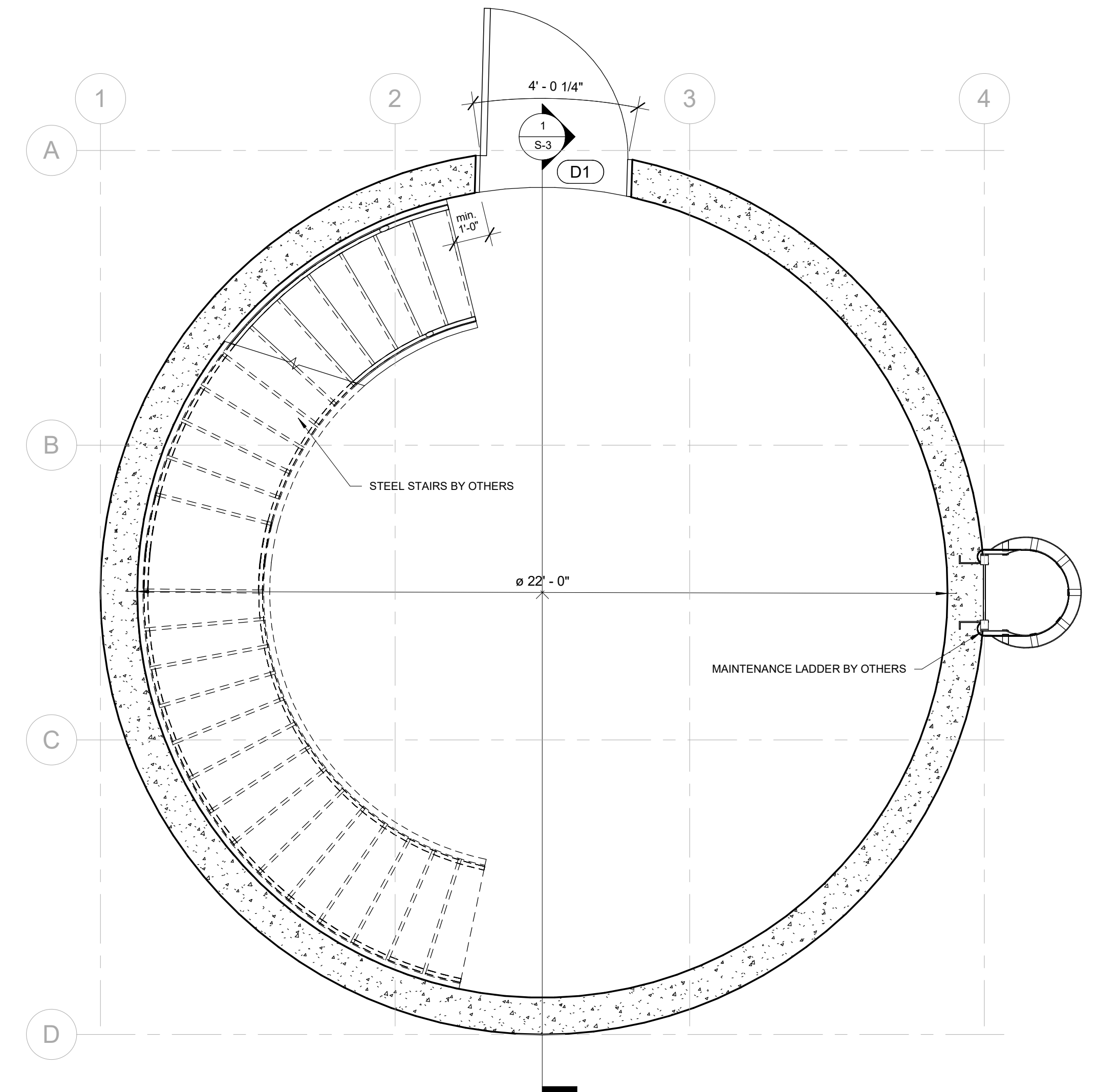
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COVER SHEET

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OCTOBER 13, 2020  
Scale:

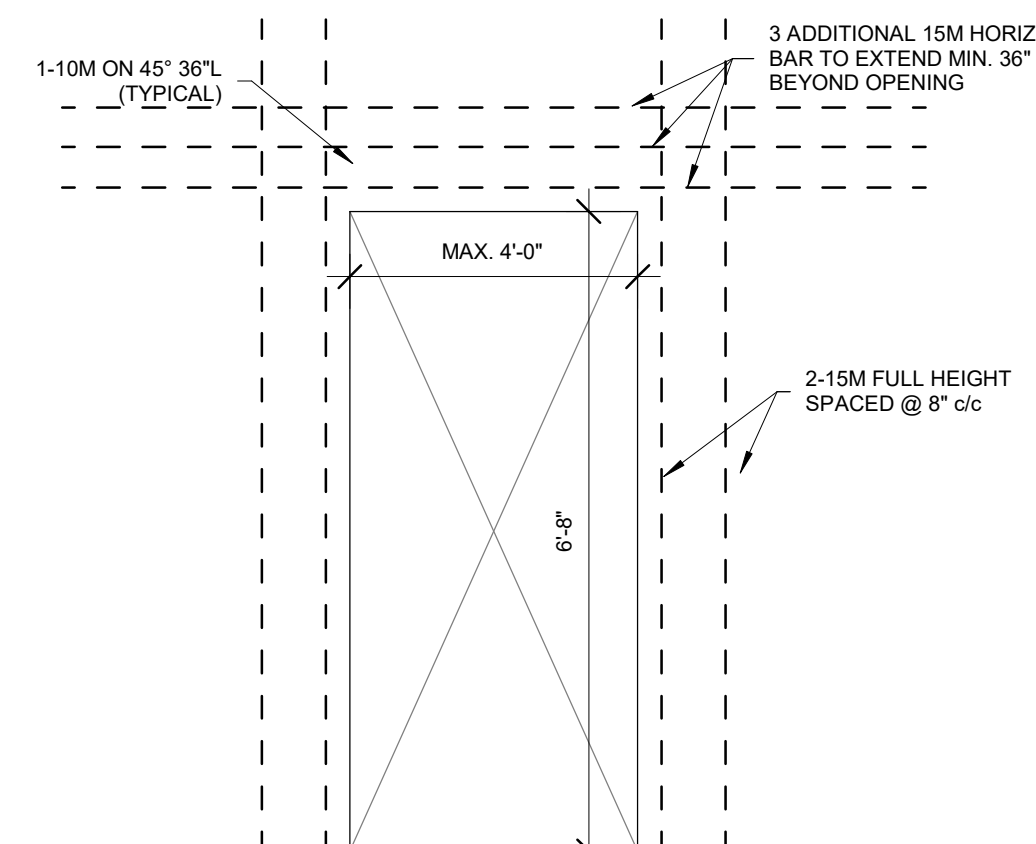
Sheet No.  
S-0



1 FOUNDATION PLAN  
S-1  
3/8" = 1'-0"



2 GROUND FLOOR PLAN  
S-1  
3/8" = 1'-0"



3 DOOR OPENING REINFORCING  
S-1  
1/2" = 1'-0"

FOUNDATION SCHEDULE		
NO.	WALL CONSTRUCT.	REINFORCEMENT SPECS
FW1	12"x 40'-0" 25MPa WALL ON 16"x48" 20MPa STRIP FOOTING	FDN. WALL: DOUBLE MAT 15M @ 18" c/c E.W. FOOTING: 6-15M RADIAL BARS 15M TRANSVERSE @ 12'-0" c/c T&B

DOOR SCHEDULE		
NO.	DESCRIPTION	COUNT
D1	4'-0"x6'-8" 90min. FIRE DOOR	1

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ABBREVIATIONS	
@ AT COMPLETE WITH	D.H. OVERHEAD
Ø DIA. DIAMETER	PF. PAD FOOTING
FDN. FOUNDATION	P.T. PRESSURE TREATED
E.W. EACH WAY	T.D. TRAVEL DISTANCE
EX. EXISTING	T&G TONGUE & GROOVE
HORIZ. HORIZONTAL	T/O TOP OF
LVL. LAMINATED VENEER LUMBER	TYP. TYPICAL
MAX. MAXIMUM	U/S UNDERSIDE
MIN. MINIMUM	VERT. VERTICAL
OBC. ONTARIO BUILDING CODE	W/ WITH
c/c CENTRE TO CENTRE	WWM WELDED WIRE MESH

LEGEND	
W	WALL TAG
WN	WINDOW TAG
D	DOOR TAG
0.0'	ELEVATION MARKER - PLAN
200'	ELEVATION MARKER - SECTION
TRAVEL DISTANCE	

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**FOUR SEASONS SUNROOMS**  
775 WHARNCLIFFE ROAD SOUTH,  
LONDON ONTARIO

PROJECT NORTH: TRUE NORTH:

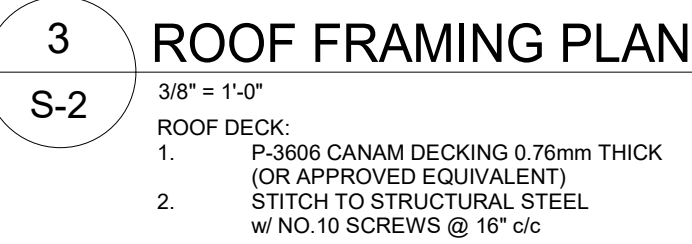
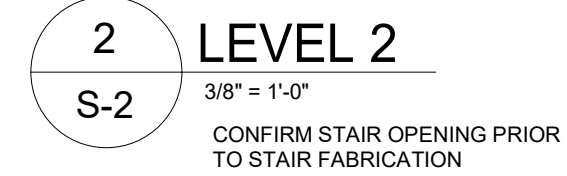
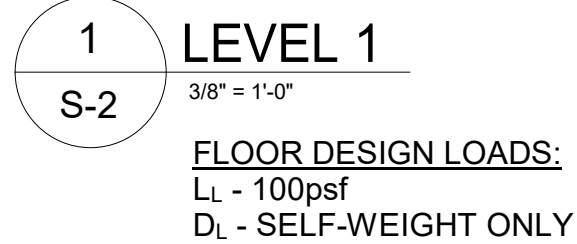
Project #: DLX20-439  
Drawn by: M.L.  
Checked by: N.H.

PROJECT NAME & ADDRESS:  
**MONTEITH SUNROOM SILO**  
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LONDON ONTARIO

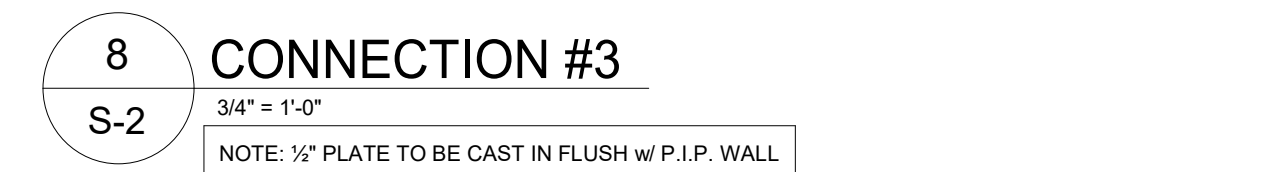
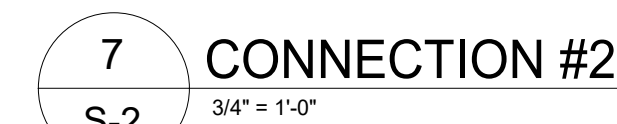
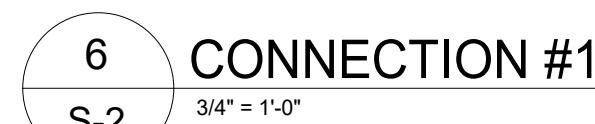
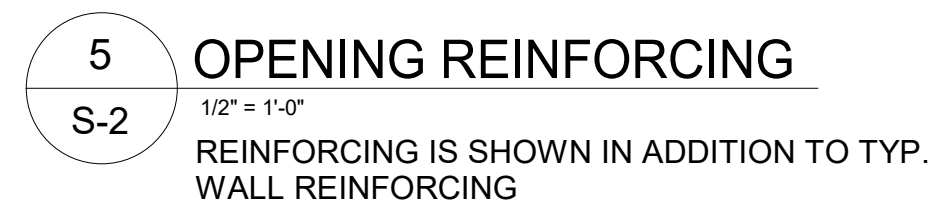
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**FOUNDATION/GROUND FLOOR PLAN**

Date: OCTOBER 13, 2020  
Scale: As indicated  
Sheet No.: **S-1**





WINDOW SCHEDULE		
NO.	DESCRIPTION	COUNT
WN1	4'-0"x5'-0" SINGLE SLIDER WINDOW	9



### LEGEND

PROJECT STATUS:

CONTRACTOR NAME & ADDRESS:

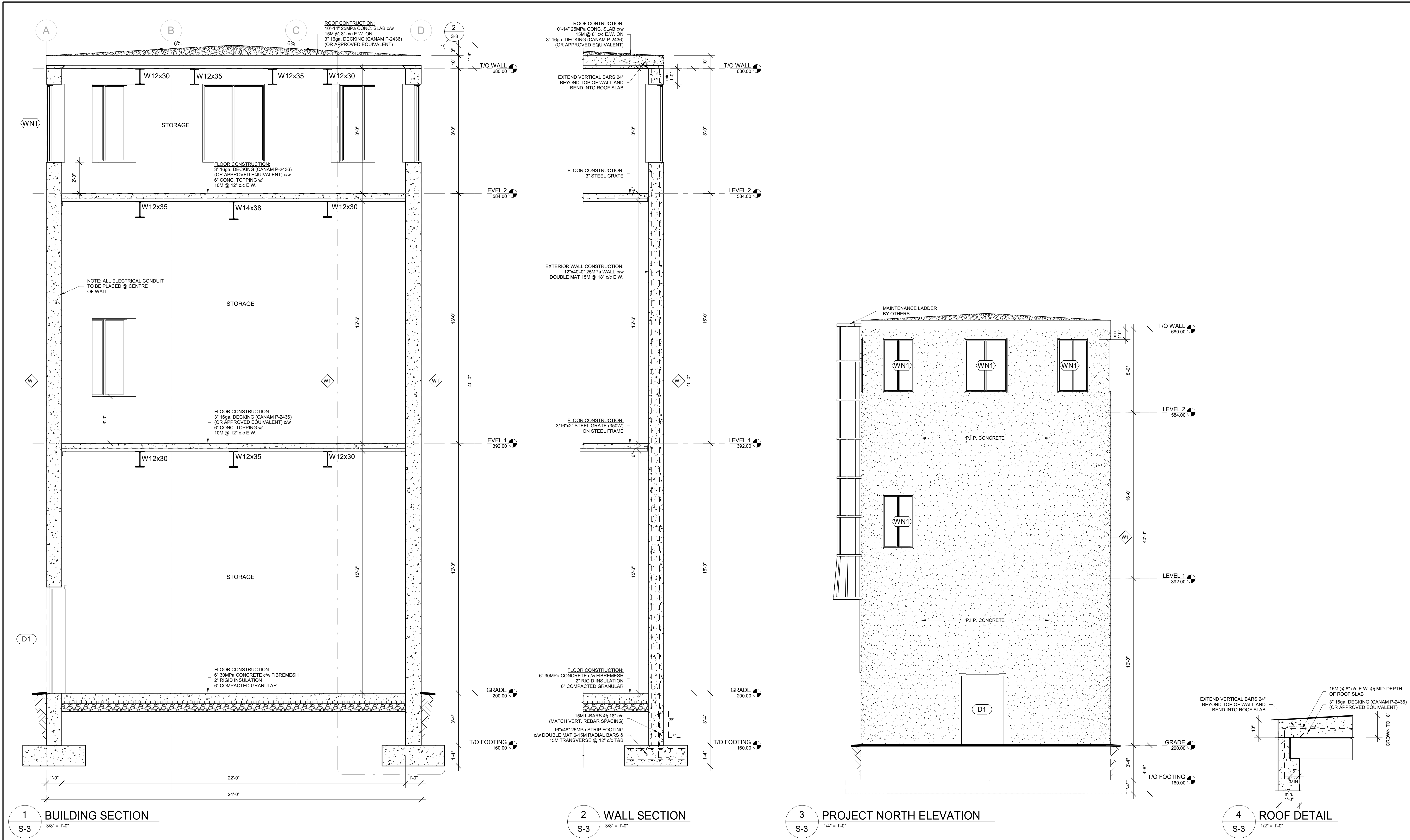
FOUR SEASONS SUNROOMS  
775 WHARNCLIFFE ROAD SOUTH,  
LONDON ONTARIO

PROJECT NAME & ADDRESS:

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5749 WOODHULL ROAD,  
LONDON ONTARIO

Date	OCTOBER 13, 2020
Scale	As indicated
Sheet No.	<b>S-2</b>





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**ABBREVIATIONS**

@	AT	O.H.	OVERHEAD
c/w	COMPLETE WITH	P.F.	PAD FOOTING
Ø	DIAMETER	P.T.	PRESSURE TREATED
FDN	FOUNDATION	T.D.	TRAVEL DISTANCE
E.W.	EACH WAY	T&G	TONGUE & GROOVE
EX.	EXISTING	T/O	TOP OF
HORIZ.	HORIZONTAL	TYP.	TYPICAL
LVL	LAMINATED VENEER LUMBER	U/S	UNDERSIDE
MAX.	MAXIMUM	VERT.	VERTICAL
MIN.	MINIMUM	W.	WITH
ONC.	ONTARIO BUILDING CODE	WWM	WELDED WIRE MESH
c/c	CENTRE TO CENTRE		

**LEGEND**

W	WALL TAG
WN	WINDOW TAG
D	DOOR TAG
0.0'	ELEVATION MARKER - PLAN
200'	ELEVATION MARKER - SECTION
TRAVEL DISTANCE	

**PROJECT STATUS:**

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LONDON ONTARIO

PROJECT NORTH: TRUE NORTH:

Project #: DLX20-439  
Drawn by: M.L.  
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PROJECT NAME & ADDRESS:

**MONTEITH SUNROOM SILO**  
5749 WOODHULL ROAD,  
LONDON ONTARIO

DRAWING TITLE:

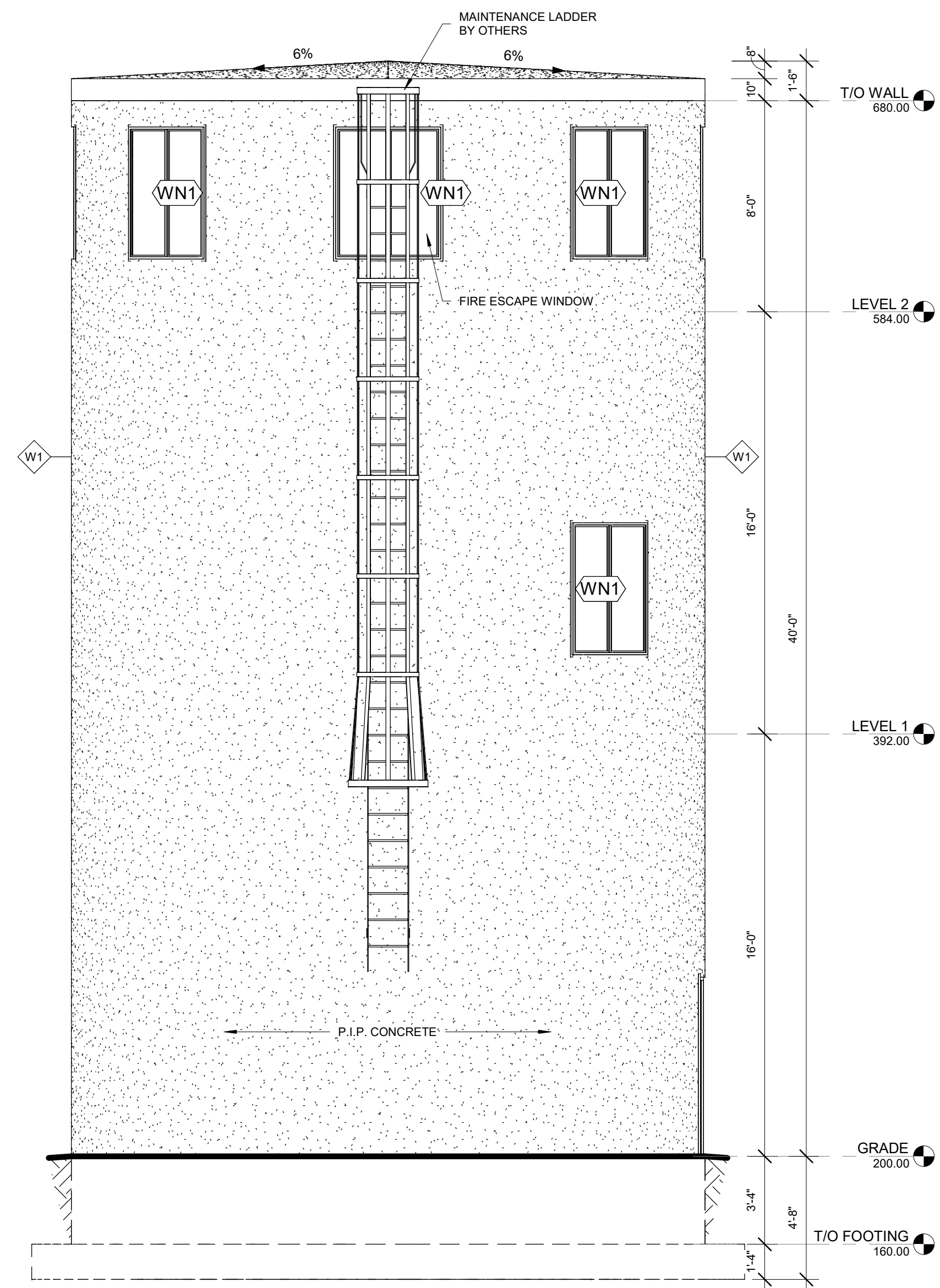
**BUILDING SECTION/  
WALL SECTION/  
NORTH ELEVATION**

Date  
OCTOBER 13, 2020

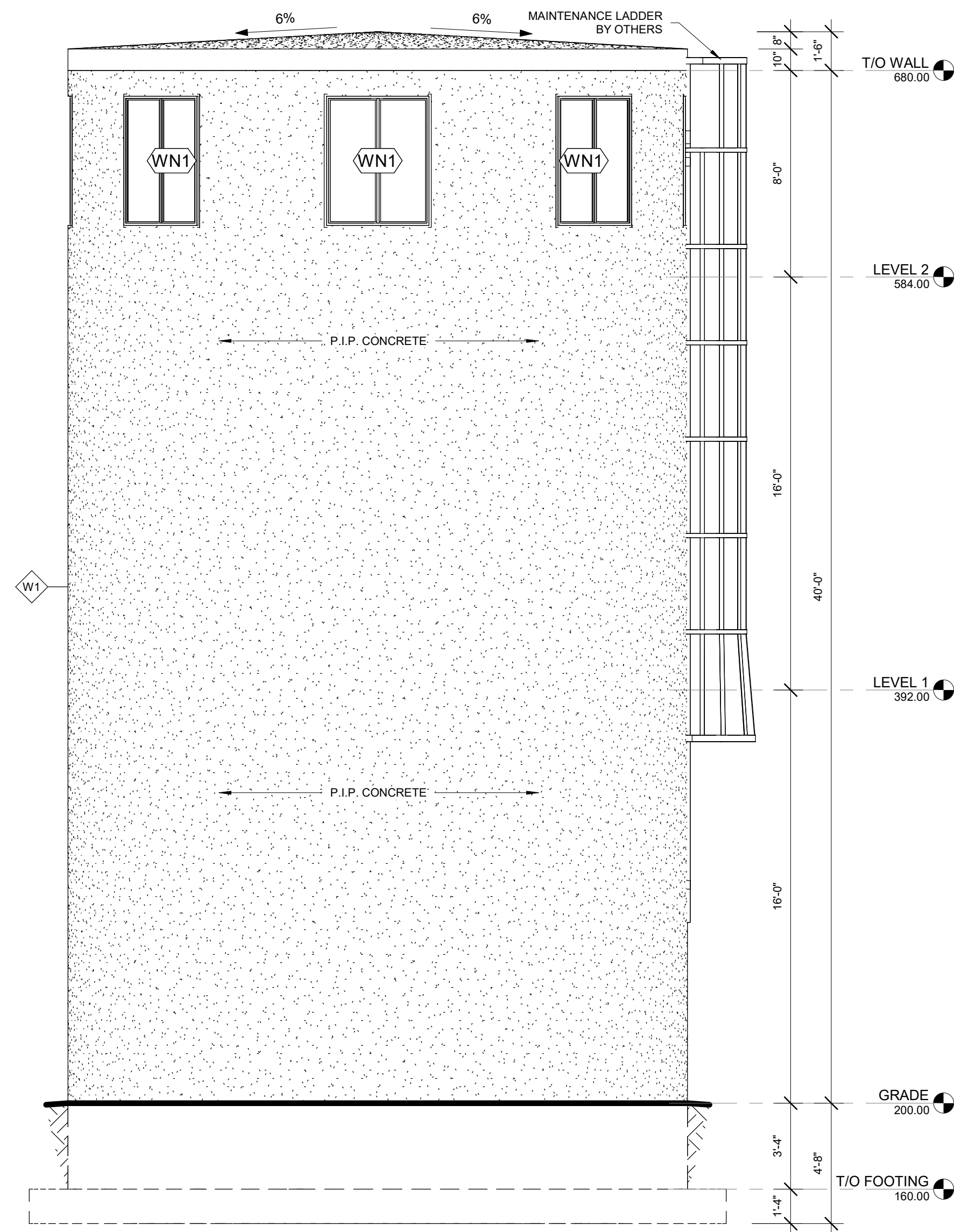
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Sheet No.  
**S-3**

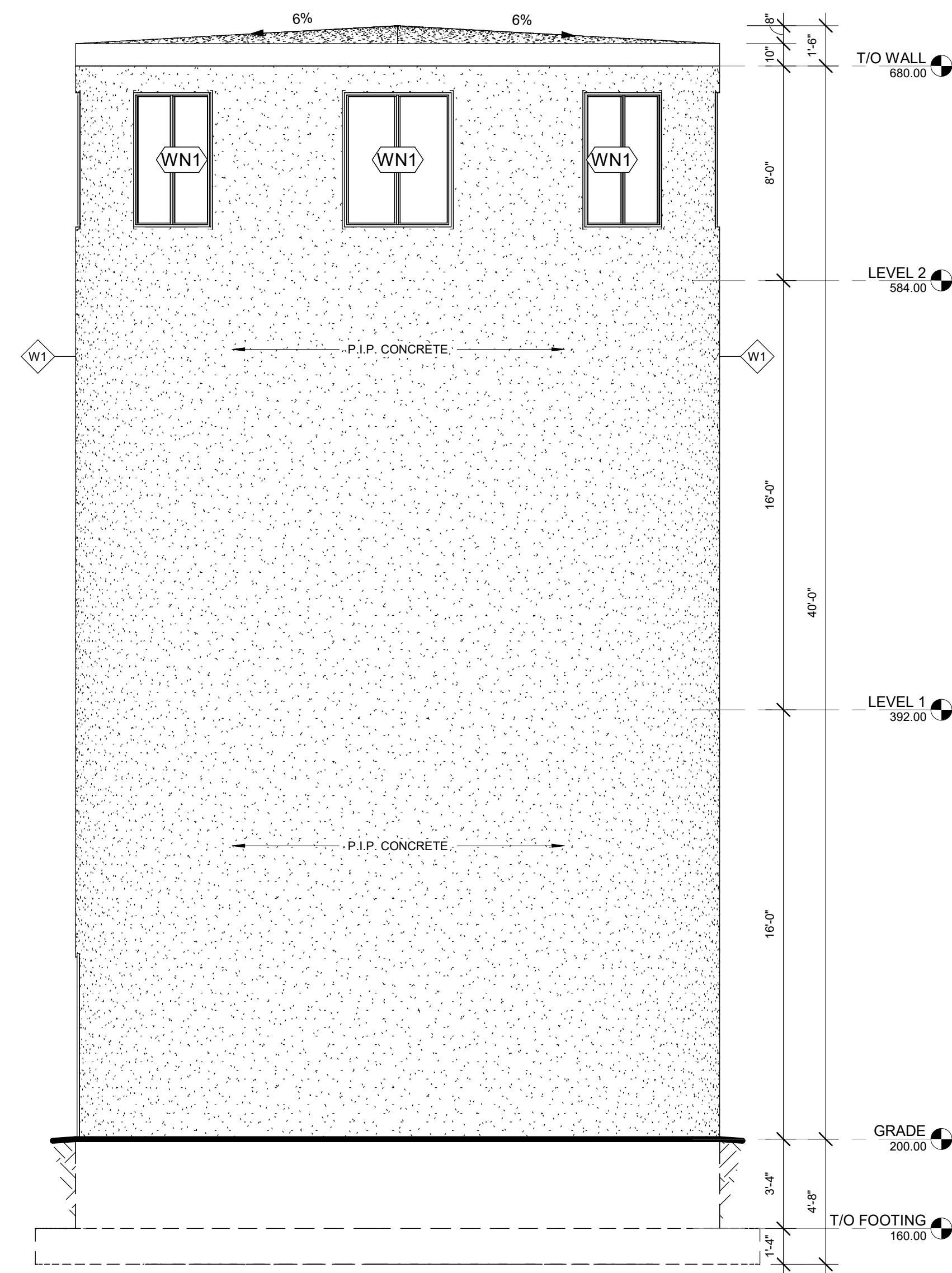




2 PROJECT EAST ELEVATION  
1/4" = 1'-0"



3 PROJECT SOUTH ELEVATION  
1/4" = 1'-0"



4 PROJECT WEST ELEVATION  
1/4" = 1'-0"

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ABBREVIATIONS

@	AT	O.H.	OVERHEAD
@W	COMPLETE WITH	PF	PAD FOOTING
@	DIAMETER	P.T.	PRESSURE TREATED
FDN	FOUNDATION	T.D.	TRAVEL DISTANCE
E.W.	EACH WAY	T&G	TONGUE & GROOVE
EX.	EXISTING	T/O	TOP OF
HRIZ	HORIZONTAL	TYP.	TYPICAL
LVL	LAMINATED VENEER LUMBER	US	UNDERSIDE
MAX.	MAXIMUM	VERT.	VERTICAL
MIN.	MINIMUM	W.	WIDTH
OBC	ONTARIO BUILDING CODE	WWM	WELDED WIRE MESH
O/C	CENTRE TO CENTRE		

LEGEND

W	WALL TAG
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D	DOOR TAG
0.0'	ELEVATION MARKER - PLAN
200'	ELEVATION MARKER - SECTION
---	TRAVEL DISTANCE

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FOUR SEASONS SUNROOMS  
775 WHARNCLIFFE ROAD SOUTH,  
LONDON ONTARIO

PROJECT NORTH: TRUE NORTH:

Project #:

Drawn by:

Checked by:

PROJECT NAME & ADDRESS:

MONTEITH SUNROOM SILO  
5749 WOODHULL ROAD,  
LONDON ONTARIO

DRAWING TITLE:

ELEVATIONS

Date

OCTOBER 13, 2020

Scale

1/4" = 1'-0"

Sheet No.

S-4

2021-03-30 3:25:15 PM

GENERAL NOTES:

1. THIS BUILDING IS DESIGNATED PART 9, NON-RESIDENTIAL
2. ALL WORK SHALL COMPLY WITH (LATEST EDITIONS):  
A) THE ONTARIO BUILDING CODE (O.B.C.)  
B) NATIONAL BUILDING CODE (N.B.C.)  
C) OHSA REGULATIONS  
D) LOCAL REGULATIONS
3. THESE DRAWINGS ARE FOR STRUCTURAL DESIGN ONLY. INTERIOR FINISHING AND EQUIPMENT TO BE COORDINATED BY SUPPLIER WITH APPROVAL FROM THE OWNER. ALL INTERIOR WORKS TO BE DESIGNED BY SUPPLIER.
4. IF DRAWINGS ARE NOT REFLECTIVE OF EXISTING CONDITIONS DESIGNLOGIX IS TO BE NOTIFIED. NO CHANGES SHALL BE MADE WITHOUT THE ENGINEER'S APPROVAL
5. CONTRACTOR SHALL MAKE ADEQUATE PROVISIONS FOR TEMPORARY BRACING/SHORING. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN LOADS.
6. THIS DRAWING SET IS THE PROPERTY OF DESIGNLOGIX ENGINEERING AND MAY NOT BE DUPLICATED OR SHARED IN ANY FORM WITHOUT WRITTEN CONSENT FROM DESIGNLOGIX ENGINEERING
7. PROVIDE STAMPED PRECAST SLATS/WALLS AND TRUSS SHOP DRAWING FOR REVIEW

GENERAL REVIEW:

1. THE ENGINEER SHALL BE CONTACTED BY THE OWNER OR CONTRACTOR TO PERFORM SITE REVIEW OF CONSTRUCTION IN ACCORDANCE WITH O.B.C. 1.2.2.2 (C)
2. ENGINEER TO BE CONTACTED (24 HOURS PRIOR) FOR:  
A) FOOTING REVIEW: ONCE EXCAVATION IS COMPLETE AND FORMWORK FOR FOOTING IS COMPLETE  
B) CONCRETE REVIEW: ONCE REBAR HAD BEEN TIED FOR CONCRETE COMPONENTS  
C) FRAMING REVIEW: PRIOR TO COMMENCEMENT OF INTERIOR FINISHES AND CLADDING  
D) FINAL REVIEW: UPON COMPLETION OF ALL STRUCTURAL COMPONENTS AND INTERIOR FINISHING

EXCAVATION AND BACKFILL:

1. FOUNDATIONS HAVE BEEN DESIGNED BASED ON THE ASSUMPTION OF 3000 psf ALLOWABLE BEARING CAPACITY
2. ALL UNDERSIDE OF FOOTINGS TO BE 48" BELOW GRADE
3. IF SOFT SOILS ARE ENCOUNTERED DURING EXCAVATION NOTIFY ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION. ENGINEER TO BE NOTIFIED FOR (BUT NOT LIMITED TO) CONCERNS REGARDING DRAINAGE, SLOPE STABILITY AND SOIL BEARING CAPACITY
4. GRANULAR FILL UNDER FOOTINGS SHALL BE FREE-DRAINING CLEAN GRANULAR "B" MATERIAL OR BETTER AND IS TO BE COMPACTED TO 100% STANDARD PROCTOR DENSITY AT OPTIMUM MOISTURE
5. CUT AND CAP OR REROUTE ALL FIELD TILES EXPOSED DURING EXCAVATING
6. PROVIDED DEWATERING FACILITIES TO REMOVE AND MAINTAIN WATER LEVEL BELOW FOOTINGS FOR ANY WATER SOURCE ENCOUNTERED DURING CONSTRUCTION
7. BACKFILL SHALL BE FREE DRAINING CLEAN GRANULAR FILL. SLOPE GRADE TO DRAIN AWAY FROM BUILDING

CONCRETE:

1. SUPPLY AND PLACE CONCRETE AS FOLLOWS:  
FOOTINGS - 25MPa (3625 psi), MAX W/C RATIO OF 0.55, AIR CONTENT 5% TO 8%  
FOUNDATION WALLS - 25MPa (3625 psi), MAX W/C RATIO OF 0.50, AIR CONTENT 5% TO 8%  
CONCRETE FLOORS - 30MPa (4351 psi), MAX W/C RATIO OF 0.45, NO AIR CONTENT REQUIRED U.N.O.  
PIT WALLS & FLOORS (SUBJECT TO ACID ATTACK) - 32MPa HS (OR APPROVED EQUIVALENT) CEMENT  
MAX W/C RATIO OF 0.45, AIR CONTENT 5% TO 8%
2. CONCRETE CODES - CONFORM TO CSA-A23.1 (LATEST EDITION)
3. CONCRETE SLABS TO BE SAW CUT TO 1/4 OF SLAB DEPTH SPACED AT 30 TIMES THE SLAB DEPTH. SAW CUTS TO BE COMPLETED WITHIN 24 HOURS OF SLAB PLACEMENT
4. MINIMUM CORNER REINFORCING SHALL BE 24"x24" (600mmx600mm) "L"-BARS.
5. ALL REINFORCEMENT SHALL CONFORM TO CSA G30.3, G30.5 & G30.18 (LATEST EDITION) WITH A YIELD STRENGTH OF 400MPa (58 ksi) FOR DEFORMED BARS OR 448MPa (65 ksi) FOR WELDED WIRE MESH
6. MINIMUM COVER ON REINFORCING ON REINFORCING FOR FORMED CONCRETE EXPOSED TO EARTH SHALL BE 2" (50mm)  
ALL OTHER COMPONENTS SHALL NOT BE LESS THEN 2" (50mm)
7. REINFORCING REBAR SPLICES SHALL BE 18" MIN U.N.O.
8. ADEQUATE PROTECTION FROM FREEZING MUST BE PROVIDED TO POURED CONCRETE DURING COLD WEATHER PLACEMENT

STEEL NOTES:

1. ALL STEEL SHALL BE DESIGNED, FABRICATED AND ERRECTED IN CONFORITO CAN/CSA-S1AND O.B.C. LATEST EDITIONS
2. ALL STEEL MEMBERS TO BE NEW MEMBERS
3. ALL ROLLED STRUCTURAL STEEL MEMBERS SHALL CONFORM TO CSA-G40.20-04/G40.21-04-M300W EXCEPT WIDE FLANGE SECTIONS WHICH SHALL CONFORM TO CSA-G40.20-04/G40.21-04-M350W.
4. WELDING SHALL CONFORM TO CSA W59-03 LATEST EDITION. ELECTRODES SHALL BE E70XX OR BETTER
5. BOLTS FOR STRUCTURAL STEEL CONNECTIONS SHALL CONFORM TO ASTM A325
6. ALL BOLTED CONNECTIONS SHALL BE BEARING TYPE U.N.O.
7. ALL CONNECTIONS SHALL BE INSPECTED AS PER CAN/CSA S16-09

WOOD NOTES:

1. LUMBER SHALL BE #1 OR #2 SPF OR BETTER U.N.O.
2. STUD WALLS SHALL BE ANCHORED TO FOUNDATION WITH 1/2"x8" ANCHORS AT 48" C/C SPACING AND WITHIN 6" OF END OF WALL OR CORNER.
3. WIND BRACING TO BE PROVIDED AS DETAILED IN STRUCTURAL DRAWINGS
4. CONTRACTOR SHALL ENSURE ANY TEMPORARY BRACING OF WALLS AND TRUSSES ARE ADEQUATE
5. STUDS SHALL BE SECURED TO PLATES WITH (3/3) 1/4" NAILS
6. ALL FASTENERS INTO P.T. LUMBER TO BE STAINLESS OR HOT DIPPED GALVANIZED
7. STRUCTURAL WOOD ELEMENTS SHALL BE FABRICATED AND ERRECTED IN ACCORDANCE WITH CAN/CSA 086-01 (LATEST EDITION)
8. PLYWOOD SHEATHING SHALL CONFORM TO CSA STANDARD 0121-M1978 "DOUGLAS FIR PLYWOOD" AND 0151-M1978 "CANADIAN SOFT WOOD PLYWOOD"
9. O.S.B. SHALL CONFORM TO CSA STANDARD CAN3-0437 1-M85 "WAFERBOARD AND STRANDBOARD"
10. LVL TO BE 2250FB-1.5E GRADE OR BETTER

CLADDING NOTES:

1. CLADDING TO BE MINIMUM 29 GUAGE WITH RIBS SPACED AT 6"-8"
2. CLADDING TO BE FASTENED ON RIBS AT 6" CENTERS WITH HEX-HEAD ROOFING SCREWS

DESIGN LOADS:

SNOW DESIGN PARAMETERS Ss=1.9kPa (39.7psf), Ss=0.40kPa (8.35 psf) (LONDON, ONT)

ROOF SNOW LOAD ULS=1.92kPa (40.1 psf), SLS=1.73kPa (36.1 psf)

ROOF DEAD LOAD 0.53kPa (11psf) SEE TRUSS DRAWINGS

WIND LOADS 1/50 - 0.47kPa (9.8psf)



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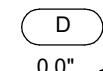
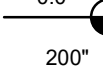


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FDN	FOUNDATION	T.D.	TRAVEL DISTANCE
E.W.	EACH WAY	T&G	TONGUE & GROOVE
EX.	EXISTING	T/O	TOP OF
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LVL	LAMINATED VENEER LUMBER	US	UNDERSIDE
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LEGEND

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	WINDOW TAG
	DOOR TAG
	ELEVATION MARKER - PLAN
	ELEVATION MARKER - SECTION
	TRAVEL DISTANCE

PROJECT STATUS:			CONTRACTOR NAME & ADDRESS:		PROJECT NAME & ADDRESS:		Date
NO:	DATE:	STATUS:	FOUR SEASONS SUNROOMS 775 WHARNCLIFFE ROAD SOUTH, LONDON ONTARIO		MONTEITH SUNROOM SILO 5749 WOODHULL ROAD, LONDON ONTARIO		OCTOBER 13, 2020
5	FEB. 23, 2021	FOR CONSTRUCTION	PROJECT NORTH: TRUE NORTH:		DRAWING TITLE:  DESIGN NOTES		Scale
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			Project #: DLX20-439				Sheet No.
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