

SW 4TH AVE

EXISTING SCHOOL BUILDING  
721 SW 4TH AVE  
TAXLOT 41E04B #700

**CONSTRUCTION NOTES:**

- 6 EXISTING CONCRETE SIDEWALK TO BE REMOVED.  
8 EXISTING TREE TO BE REMOVED.  
10 EXISTING CATCH BASIN TO BE REMOVED. REMOVE EXISTING STORM LINE.  
13 EXISTING ELECTRICAL STRUCTURE TO BE PROTECTED IN PLACE.  
16 EXISTING CURB TO BE REMOVED.  
19 PROTECT EXISTING CHAINLINK FENCE IN PLACE.  
20 PROJECT LIMIT OF WORK, INCLUDING CLEARING, GRUBBING, PAVEMENT REMOVAL, DEMOLITION. CONTRACTOR TO SALVAGE SITE SIGNS, FURNISHINGS, AND FIXTURES AND COORDINATE WITH OWNER. SAWCUT ASPHALT PAVEMENT EDGE AT LIMIT OF WORK (WHERE APPLICABLE). CONCRETE REMOVALS SHALL BE TO THE NEAREST JOINT.  
21 EXISTING DRYWELL TO BE PROTECTED IN PLACE.  
36 EXISTING FENCE TO BE REPLACED.

**DEMOLITION LEGEND**

- PROJECT LIMITS  
X STRUCTURE TO BE REMOVED  
X TREE TO BE REMOVED

0 5 10 20  
SCALE: 1" = 10'

MATCHLINE  
SEE SHEET C101

mahlum

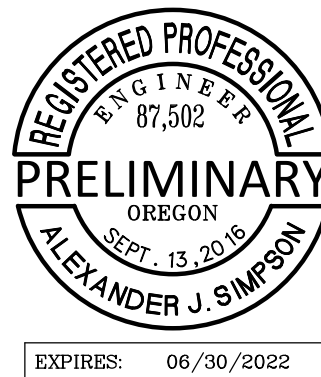
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CANBY SCHOOL DISTRICT

CANBY HS - NEW CLASSROOM  
WING & CAMPUS IMPROVEMENTS

721 SW 4TH AVE, CANBY, OR 97013

MARK	DATE	DESCRIPTION
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ISSUE DATE:	10 NOV 2021
ISSUE:	LAND USE SUBMITTAL

PROJECT NO.:	2020914.10
DRAWN BY:	HHPR
CHECKED BY:	AJS
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EXISTING CONDITIONS AND  
DEMOLITION PLAN

C100

**CONSTRUCTION NOTES:**

- 1 EXISTING ASPHALT PAVEMENT TO BE REMOVED. LIMITS OF ASPHALT SAWCUT ARE APPROXIMATE.
- 2 EXISTING BUILDING TO BE DEMOLISHED.
- 3 EXISTING FIRE DCVA AND VAULT AND ASSOCIATED FIRE LINES TO BE REMOVED. COORDINATE WITH PLUMBING PLANS FOR RELOCATION AND RECONNECTION.
- 5 EXISTING BOLLARD TO BE REMOVED.
- 6 EXISTING CONCRETE SIDEWALK TO BE REMOVED.
- 7 EXISTING WHEEL STOP TO BE REMOVED.
- 8 EXISTING TREE TO BE REMOVED.
- 9 EXISTING COMMUNICATIONS VAULT TO BE PROTECTED IN PLACE. COORDINATE WITH TELECOM PLANS FOR RECONNECTION.
- 10 EXISTING CATCH BASIN TO BE REMOVED. REMOVE EXISTING STORM LINE.
- 11 EXISTING CHAINLINK FENCE AND POSTS TO BE REMOVED.
- 12 EXISTING BUILDING TO REMAIN.
- 13 EXISTING ELECTRICAL STRUCTURE TO BE PROTECTED IN PLACE.
- 15 EXISTING BUILDING TO BE PARTIALLY DEMOLISHED. SEE ARCHITECTURAL PLANS FOR DETAILS.
- 16 EXISTING CURB TO BE REMOVED.
- 17 EXISTING GENERATOR TO BE RELOCATED. COORDINATE WITH ELECTRICAL PLANS FOR RELOCATION AND RECONNECTION.
- 18 EXISTING GAS STRUCTURE TO BE REMOVED. COORDINATE WITH PLUMBING PLANS.
- 20 PROJECT LIMIT OF WORK, INCLUDING CLEARING, GRUBBING, PAVEMENT REMOVAL, DEMOLITION. CONTRACTOR TO SALVAGE SITE SIGNS, FURNISHINGS, AND FIXTURES AND COORDINATE WITH OWNER. SAWCUT ASPHALT PAVEMENT EDGE AT LIMIT OF WORK (WHERE APPLICABLE). CONCRETE REMOVALS SHALL BE TO THE NEAREST JOINT.
- 21 EXISTING DRYWELL TO BE PROTECTED IN PLACE.
- 22 EXISTING DRYWELL TO BE REMOVED AND FILLED WITH STRUCTURAL FILL PER GEOTECHNICAL RECOMMENDATIONS.
- 23 EXISTING SANITARY MANHOLE TO BE REMOVED. SEE PLUMBING PLANS FOR RECONNECTION.
- 24 EXISTING GATE TO BE REMOVED.
- 26 EXISTING STORM LINE BENEATH PROPOSED BUILDING FOOTPRINT TO BE REMOVED.
- 27 EXISTING POWER AND COMMUNICATIONS LINES BENEATH PROPOSED BUILDING FOOTPRINT TO BE REMOVED. COORDINATE WITH ELECTRICAL AND TELECOM PLANS FOR RECONFIGURATION.
- 28 POSSIBLE EXISTING DRYWELL IN THIS VICINITY PER 1992 AS-BUILT PLANS. CONTRACTOR TO VERIFY IN THE FIELD AND REMOVE EXISTING DRYWELL AND STORM LINES IF PRESENT.
- 29 EXISTING GAS LINE TO BE REMOVED.
- 30 EXISTING ABANDONED UNDERGROUND GAS LINE TO BE REMOVED.
- 31 EXISTING SANITARY LINE TO BE REMOVED.
- 32 EXISTING WALL TO BE REMOVED.
- 34 EXISTING POWER LINE TO REMAIN. PROTECT IN PLACE.
- 35 EXISTING SANITARY LINE TO REMAIN. PROTECT IN PLACE.
- 36 EXISTING FENCE TO BE REPLACED.
- 37 EXISTING ELECTRICAL TRANSFORMER TO BE REMOVED. COORDINATE WITH ELECTRICAL PLANS AND UTILITY PROVIDER.
- 38 EXISTING 8" WATER LINE TO REMAIN. PROTECT IN PLACE.
- 39 EXISTING GAS LINE AND SERVICE TO REMAIN. PROTECT IN PLACE.

**EXISTING SCHOOL BUILDING  
721 SW 4TH AVE  
TAXLOT 41E04B #700**

**EXISTING TRACK TO REMAIN**

SEE SHEET C100  
MATCHLINE

**DEMOLITION LEGEND**

- PROJECT LIMITS
- ✕ STRUCTURE TO BE REMOVED
- ✕ TREE TO BE REMOVED

SCALE: 1" = 10'

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**CANBY SCHOOL DISTRICT**

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WING & CAMPUS IMPROVEMENTS

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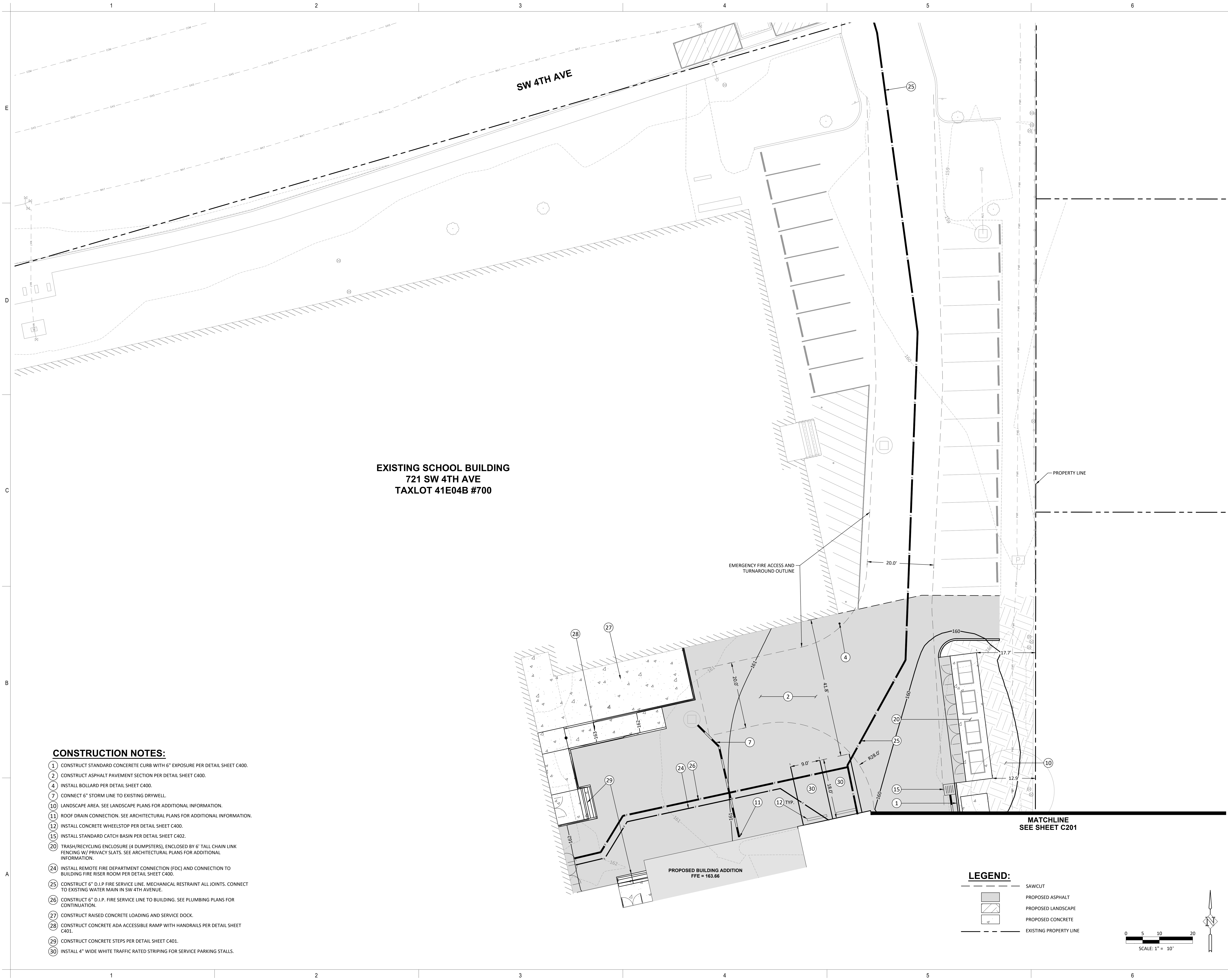
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CHECKED BY: AJS  
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**EXISTING CONDITIONS AND  
DEMOLITION PLAN**

**C101**





**CONSTRUCTION NOTES:**

1. CONSTRUCT STANDARD CONCRETE CURB WITH 6" EXPOSURE PER DETAIL SHEET C400.
2. CONSTRUCT ASPHALT PAVEMENT SECTION PER DETAIL SHEET C400.
4. INSTALL BOLLARD PER DETAIL SHEET C400.
7. CONNECT 6" STORM LINE TO EXISTING DRYWELL.
10. LANDSCAPE AREA. SEE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.
11. ROOF DRAIN CONNECTION. SEE ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
12. INSTALL CONCRETE WHEELSTOP PER DETAIL SHEET C400.
15. INSTALL STANDARD CATCH BASIN PER DETAIL SHEET C402.
20. TRASH/RECYCLING ENCLOSURE (4 DUMPSTERS). ENCLOSED BY 6' TALL CHAIN LINK FENCING W/ PRIVACY SLATS. SEE ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
24. INSTALL REMOTE FIRE DEPARTMENT CONNECTION (FDC) AND CONNECTION TO BUILDING FIRE RISER ROOM PER DETAIL SHEET C400.
25. CONSTRUCT 6" D.I.P. FIRE SERVICE LINE. MECHANICAL RESTRAINT ALL JOINTS. CONNECT TO EXISTING WATER MAIN IN SW 4TH AVENUE.
26. CONSTRUCT 6" D.I.P. FIRE SERVICE LINE TO BUILDING. SEE PLUMBING PLANS FOR CONTINUATION.
27. CONSTRUCT RAISED CONCRETE LOADING AND SERVICE DOCK.
28. CONSTRUCT CONCRETE ADA ACCESSIBLE RAMP WITH HANDRAILS PER DETAIL SHEET C401.
29. CONSTRUCT CONCRETE STEPS PER DETAIL SHEET C401.
30. INSTALL 4" WIDE WHITE TRAFFIC RATED STRIPING FOR SERVICE PARKING STALLS.

**LEGEND:**

- SAWCUT
- PROPOSED ASPHALT
- PROPOSED LANDSCAPE
- PROPOSED CONCRETE
- EXISTING PROPERTY LINE

0 5 10 20  
SCALE: 1" = 10'

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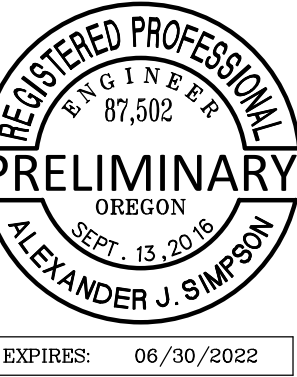
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CIVIL SITE PLAN		

C200



CONSTRUCTION NOTES:

- 1 CONSTRUCT STANDARD CONCRETE CURB WITH 6" EXPOSURE PER DETAIL SHEET C400.
- 2 CONSTRUCT ASPHALT PAVEMENT SECTION PER DETAIL SHEET C400.
- 3 PROPOSED OUTDOOR PLAZA. SEE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.
- 4 INSTALL BOLLARD PER DETAIL SHEET C400.
- 5 INSTALL STANDARD AREA DRAIN PER DETAIL SHEET C402.
- 6 CONNECT 6" STORM LINE TO PROPOSED DRYWELL.
- 7 CONNECT 6" STORM LINE TO EXISTING DRYWELL.
- 8 CONNECT EXISTING SANITARY LINE. SEE PLUMBING PLANS FOR CONTINUATION.
- 9 LANDSCAPE PLANTER, SEE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.
- 10 LANDSCAPE AREA. SEE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.
- 11 ROOF DRAIN CONNECTION. SEE ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
- 13 ADJUST EXISTING COMMUNICATIONS UTILITY TO FINISH GRADE.
- 14 ADJUST EXISTING ELECTRICAL VAULT TO FINISH GRADE.
- 16 CONSTRUCT 48" DIA., 30-FT DEEP STORM DRYWELL PER DETAIL SHEET C402.
- 17 CONSTRUCT STORMWATER PLANTER AND OVERFLOW STRUCTURE PER DETAIL SHEET C402. CONNECT OVERFLOW STRUCTURE TO PROPOSED DRYWELL.
- 18 INSTALL CHAINLINK FENCE. SEE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.
- 19 INSTALL CHAINLINK FENCE GATE. SEE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.
- 21 PROPOSED TRANSFORMER. SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- 22 PROPOSED GENERATOR. SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- 23 INSTALL FIRE HYDRANT PER DETAIL SHEET C400.
- 24 INSTALL REMOTE FIRE DEPARTMENT CONNECTION (FDC) AND CONNECTION TO BUILDING FIRE RISER ROOM PER DETAIL SHEET C400.
- 32 CONSTRUCT STORMWATER RUNNEL FROM BUILDING DOWNSPOUT TO STORMWATER PLANTER. SEE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.

EXISTING SCHOOL BUILDING  
721 SW 4TH AVE  
TAXLOT 41E04B #700

PROPOSED BUILDING ADDITION  
FFE = 163.66

PROPOSED BUILDING ADDITION  
FFE = 163.66

PROPOSED PAVED FIRE  
ACCESS ALONG EAST  
BUILDING FACE

SEE SHEET C200  
MATCHLINE

EXISTING BUILDING

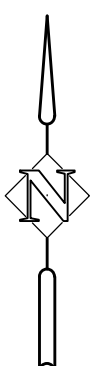
EXISTING TRACK TO REMAIN

PROPERTY LINE

LEGEND:

- SAWCUT
- PROPOSED ASPHALT
- PROPOSED LANDSCAPE
- PROPOSED CONCRETE
- PROPOSED LAWN
- PROPOSED STORMWATER PLANTER
- EXISTING PROPERTY LINE

0 5 10 20  
SCALE: 1" = 10'



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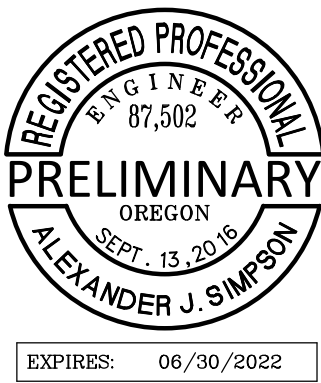
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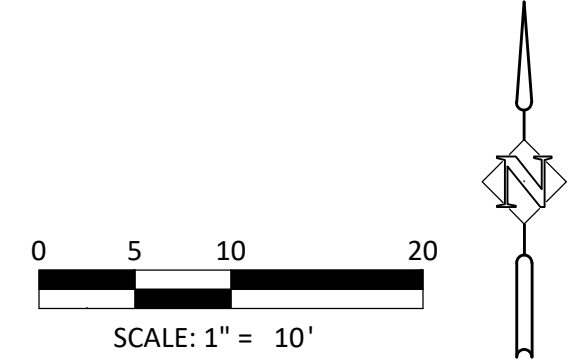
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CIVIL SITE PLAN

C201



- ① EXISTING FENCE TO REMAIN. PROTECT IN PLACE.
- ② PROPOSED STORAGE SHED. SEE ARCHITECT'S PLANS FOR MORE INFORMATION.
- ③ EXISTING ASPHALT PATH TO REMAIN. PROTECT IN PLACE.
- ④ EXISTING WATER VALVE AND WATER LINES TO REMAIN. PROTECT IN PLACE.
- ⑤ EXISTING POWER VAULT AND UNDERGROUND POWER LINE TO REMAIN. PROTECT IN PLACE.
- ⑥ EXISTING DRYWELL AND STORM LINES TO REMAIN. PROTECT IN PLACE.
- ⑦ EXISTING LIGHT POLE TO REMAIN. PROTECT IN PLACE.
- ⑧ CONSTRUCT NEW ASPHALT APPROACH PER DETAIL SHEET C400.
- ⑨ CONSTRUCT 6" STORM PIPE @ S=0.02 FT/FT. MIN. TO CONNECT FROM STORAGE BUILDING DOWNSPOUT TO EXISTING DRYWELL.

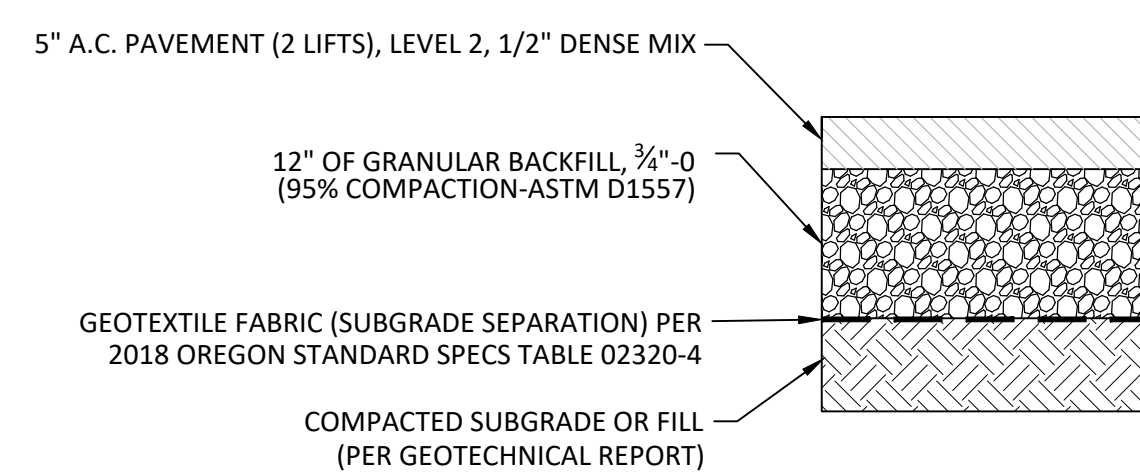


# C202

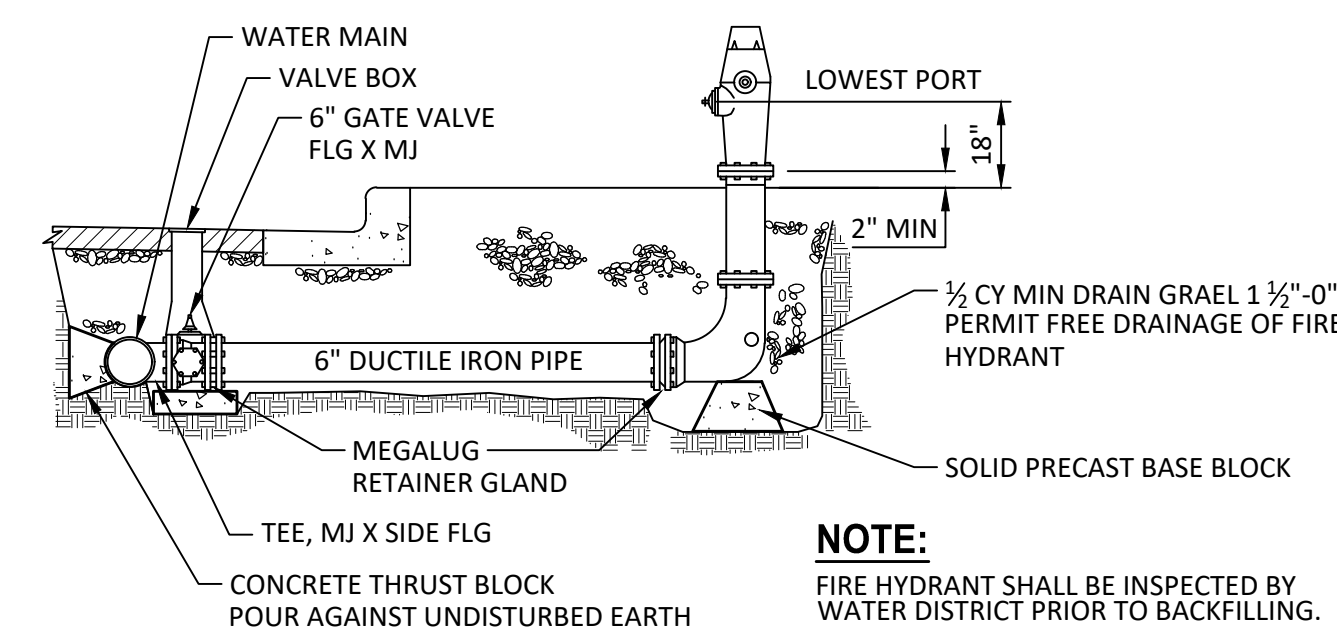




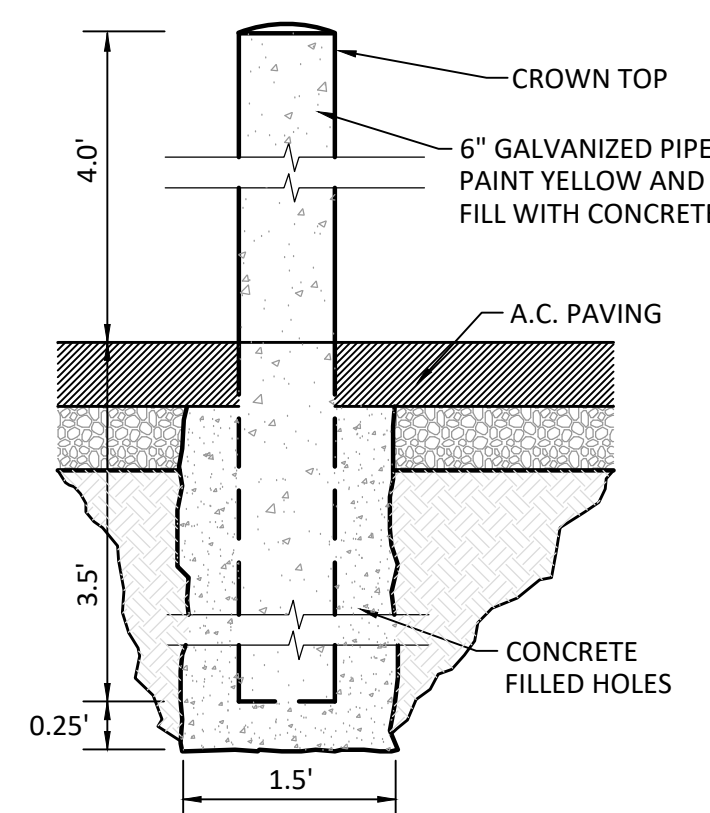




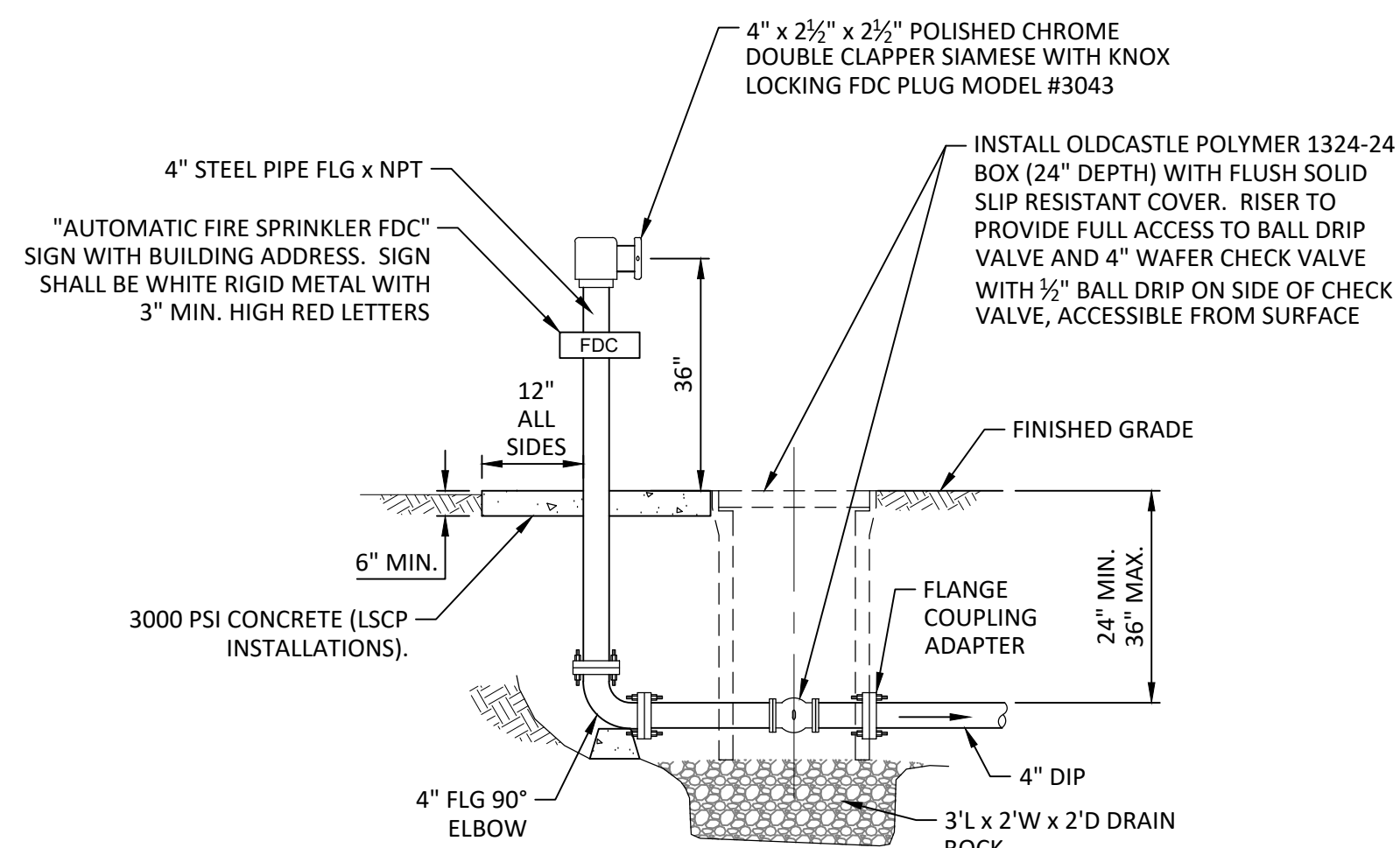
VEHICULAR ASPHALT PAVEMENT SECTION  
N.T.S.



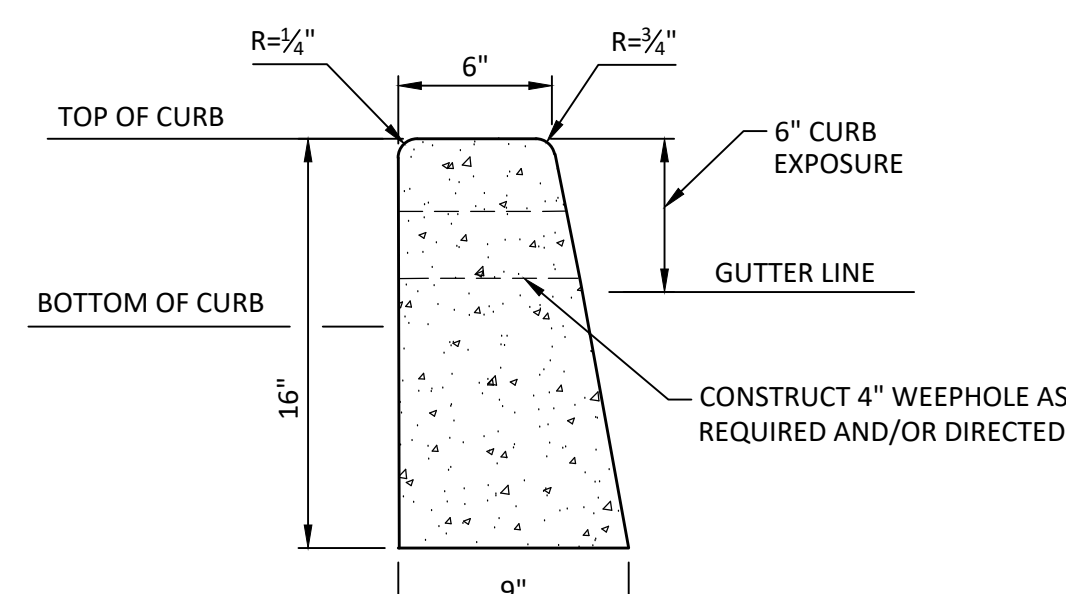
### FIRE HYDRANT DETAIL



SITE BOLLARD  
N.T.S.

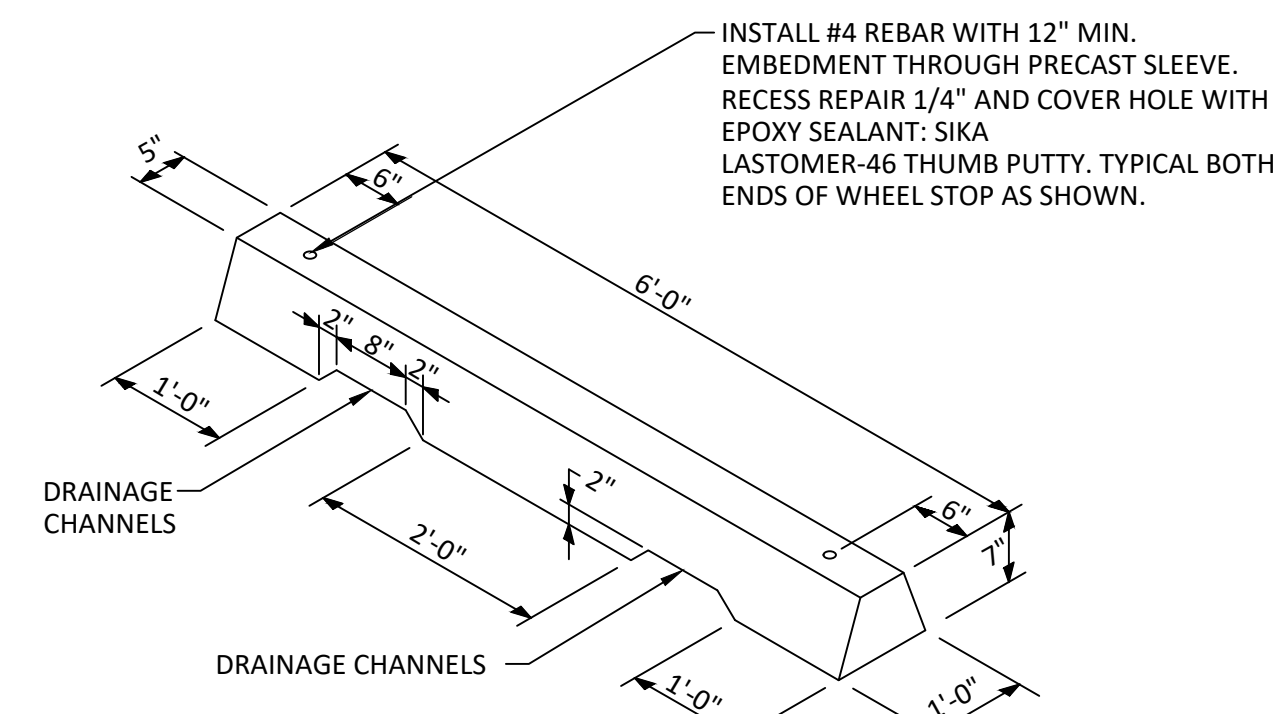


FIRE DEPARTMENT CONNECTION (FDC)  
N.T.S.



## STANDARD CURB

NTS



PRECAST CONCRETE WHEEL STOP  
N.T.S.

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<b>CIVIL DETAILS</b>		



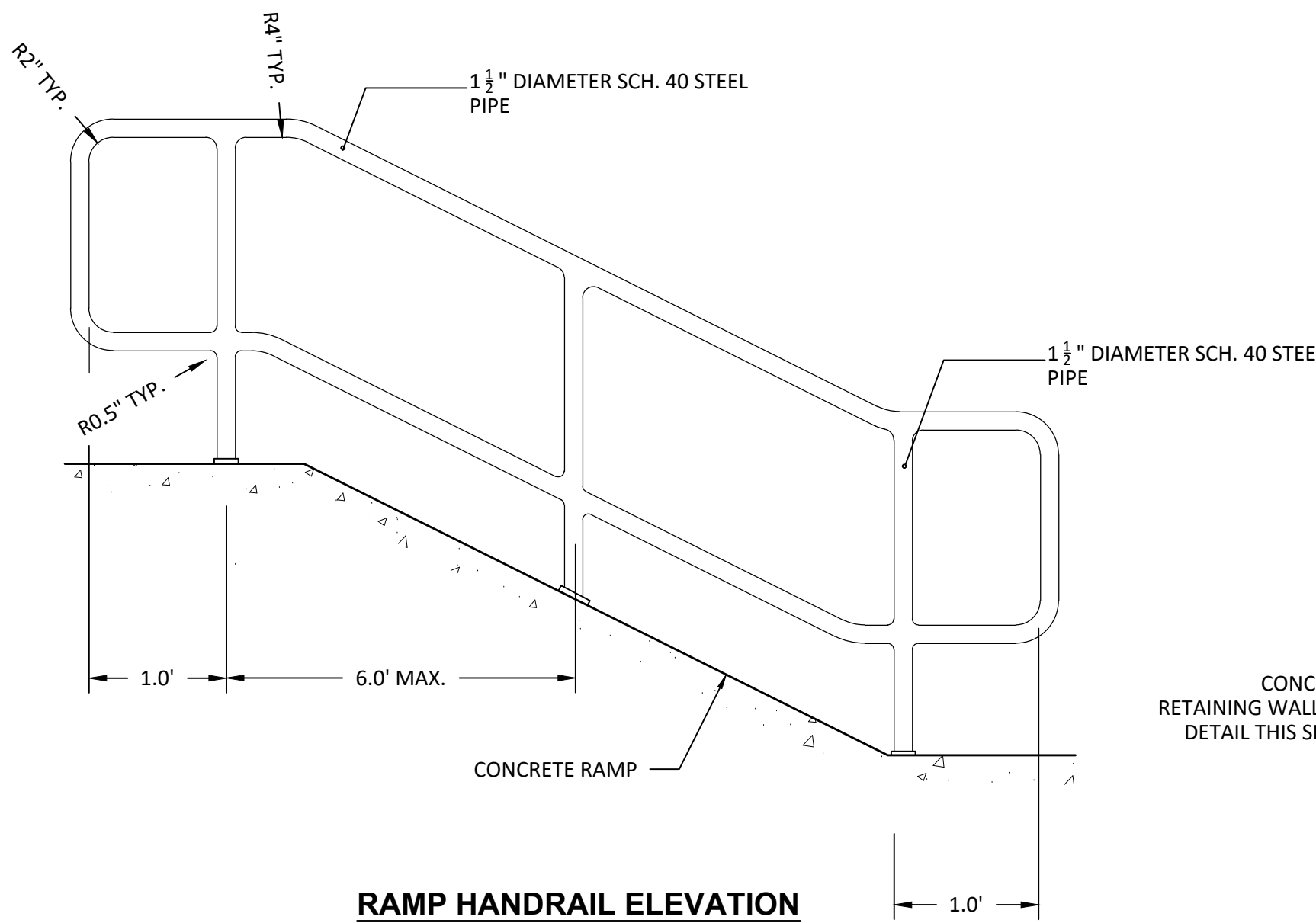
E

D

C

B

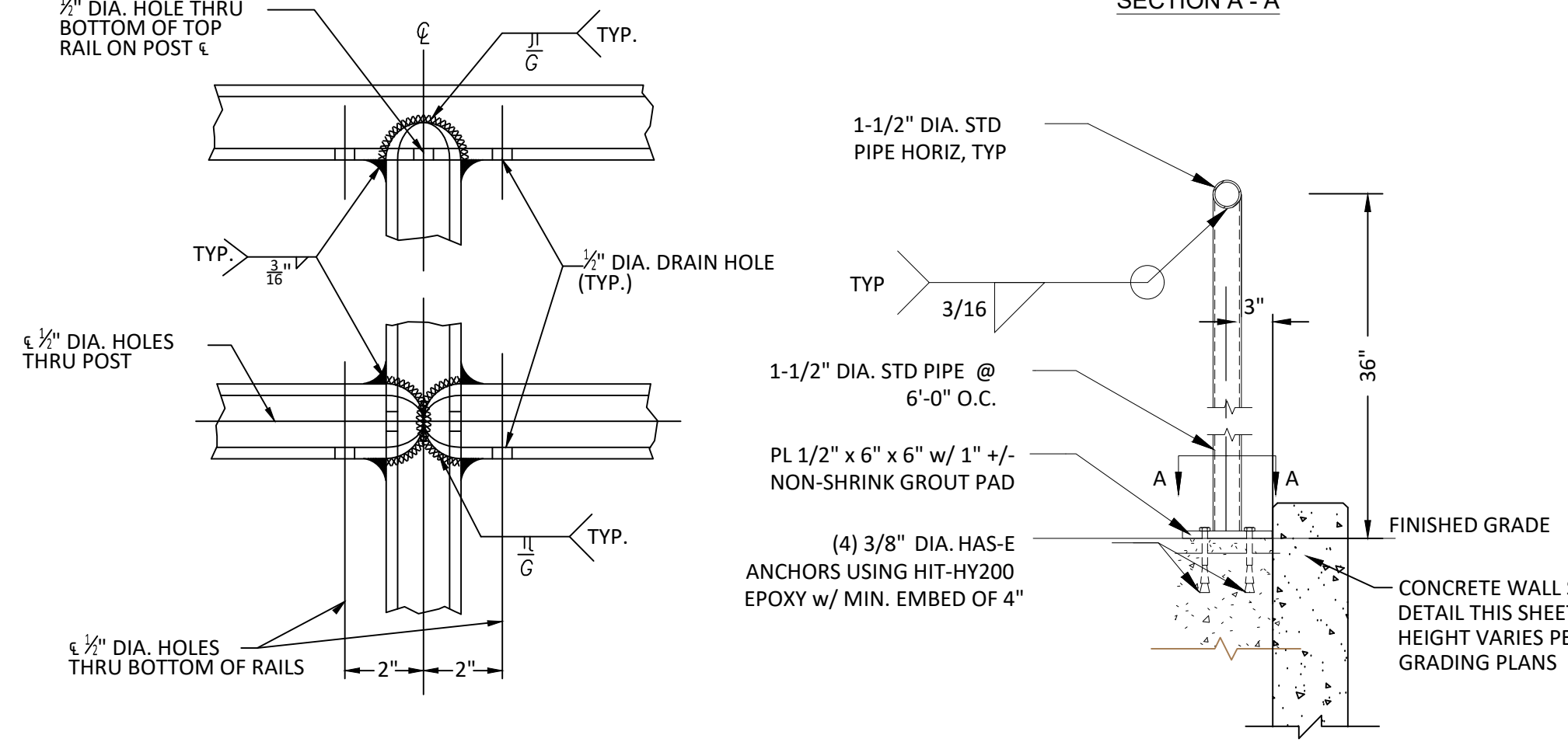
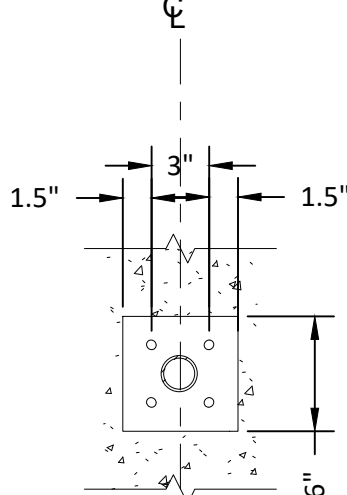
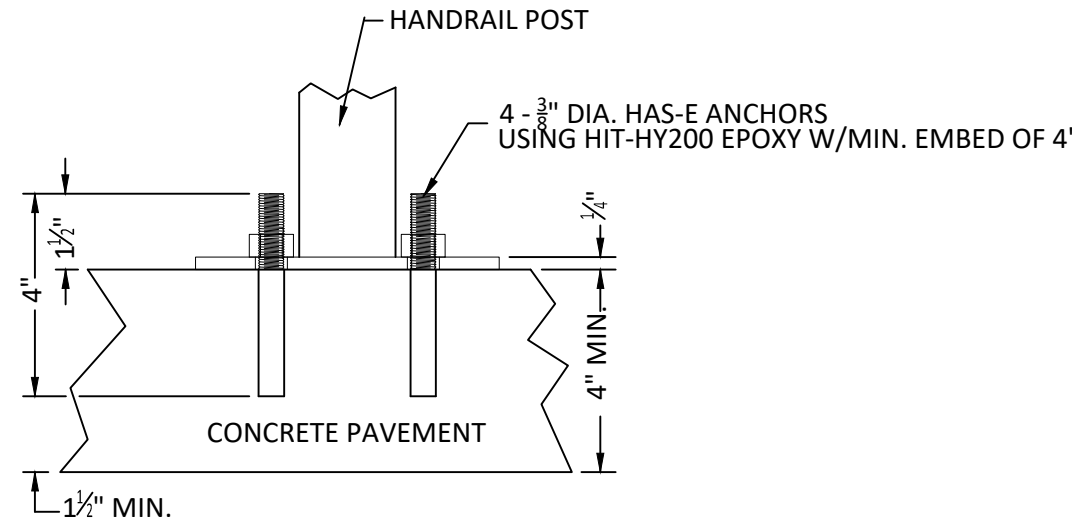
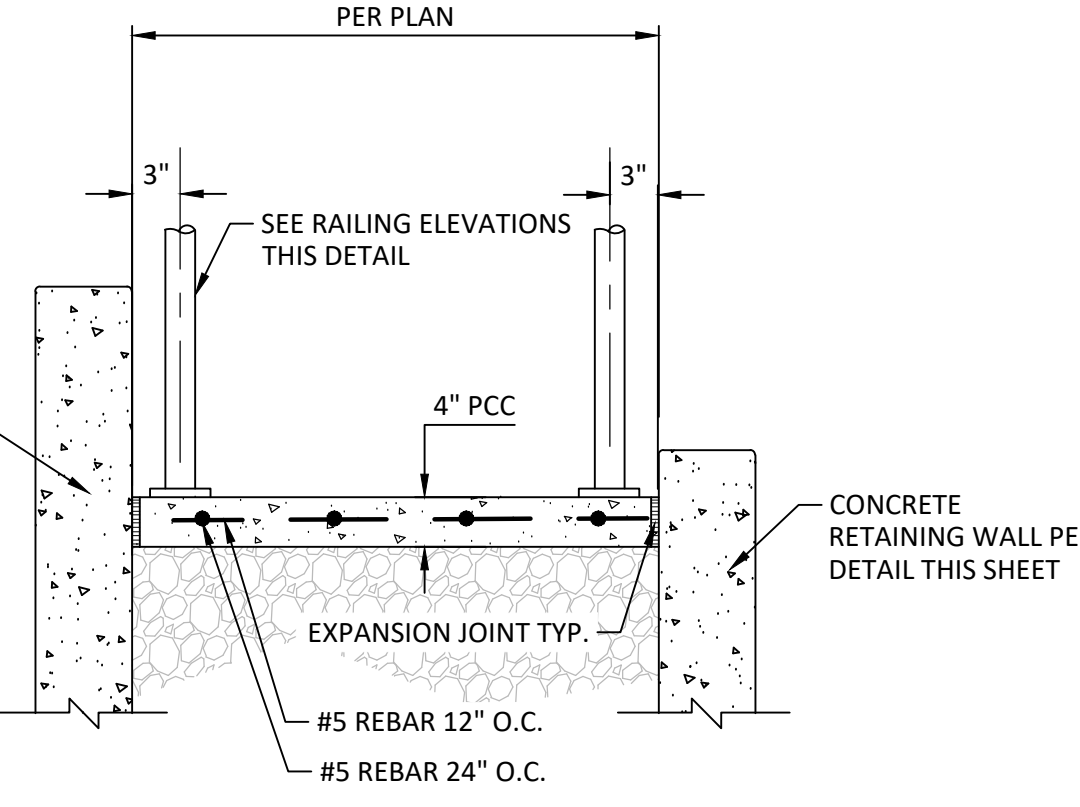
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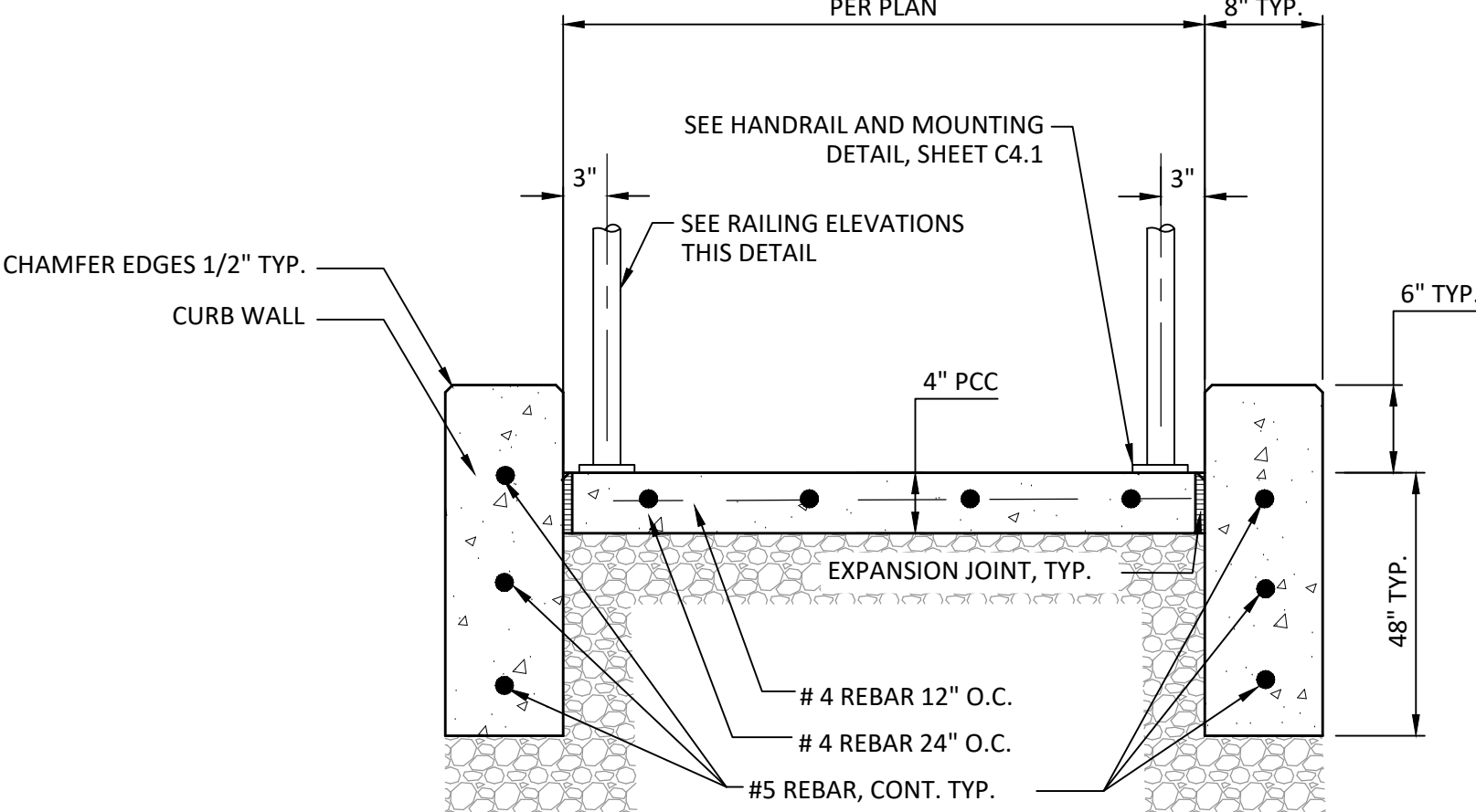
NOTE:  
POSTS AND RAILS TO BE CONSTRUCTED FROM:  
1 1/2" SCH. 40 STEEL PIPE  
GALVANIZE POST AND RAILS ASSEMBLY AFTER FABRICATION.  
RAILING SHALL WRAP EXTEND 12" BEYOND STAIR AND RAMP AT TOP  
AND BOTTOM PER PLANS AND PER CURRENT ADA GUIDELINES.

- NOTES:
1. GRIND ALL WELDED JOINTS SMOOTH.
  2. HOT-DIP GALVANIZE ALL PARTS AFTER FABRICATION.
  3. PIPE SHALL FOLLOW ALIGNMENT OF STAIR NOSINGS.
  4. PROVIDE SHOP DRAWINGS BEFORE FABRICATION.
  5. RAMP SHALL HAVE HANDRAILS ON BOTH SIDES.
  6. HANDRAILS SHALL NOT ROTATE IN THEIR FITTINGS
  7. HANDRAILS SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH THE CURRENT OREGON STRUCTURAL SPECIALTY CODE.

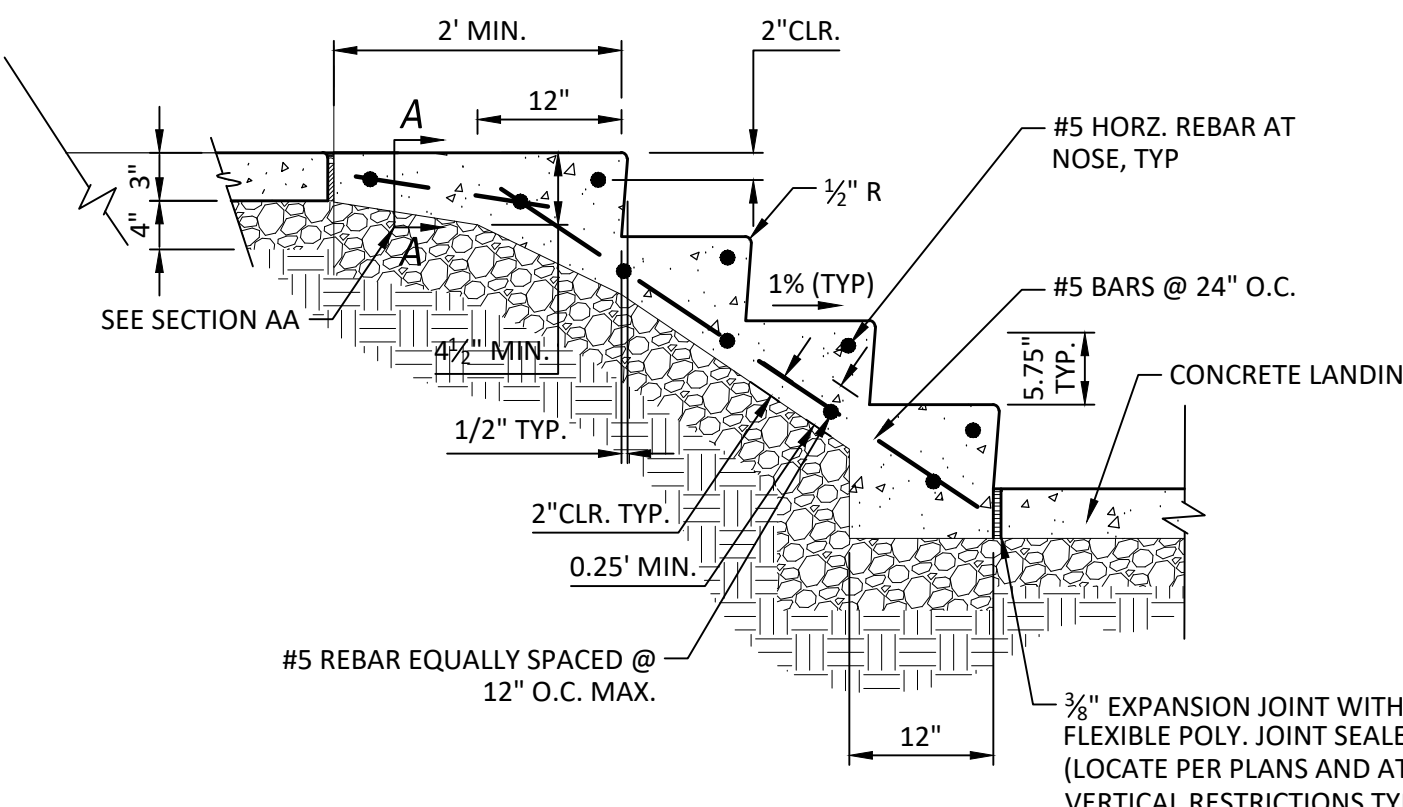
ACCESSIBLE RAMP DETAIL  
NTS



HANDRAIL & MOUNTING DETAIL  
NTS

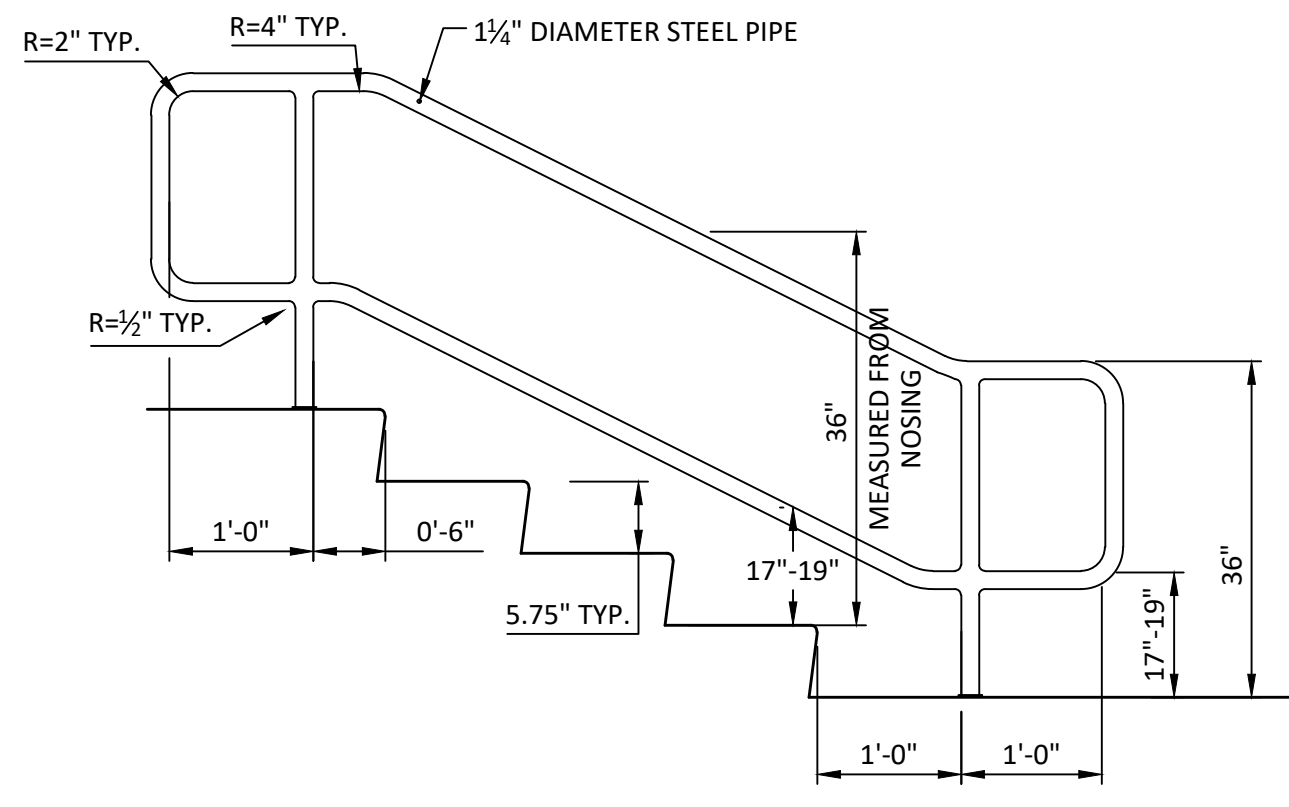


SECTION A-A

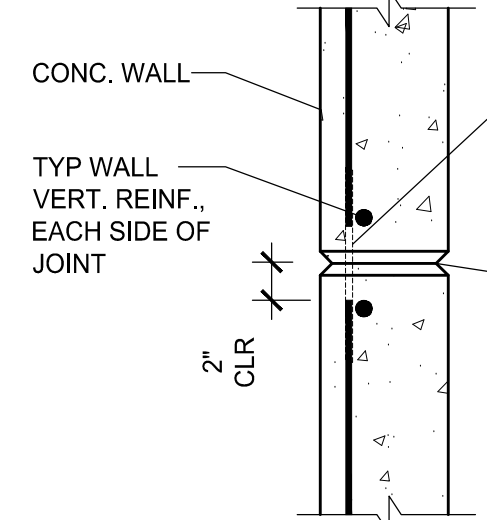


SECTION

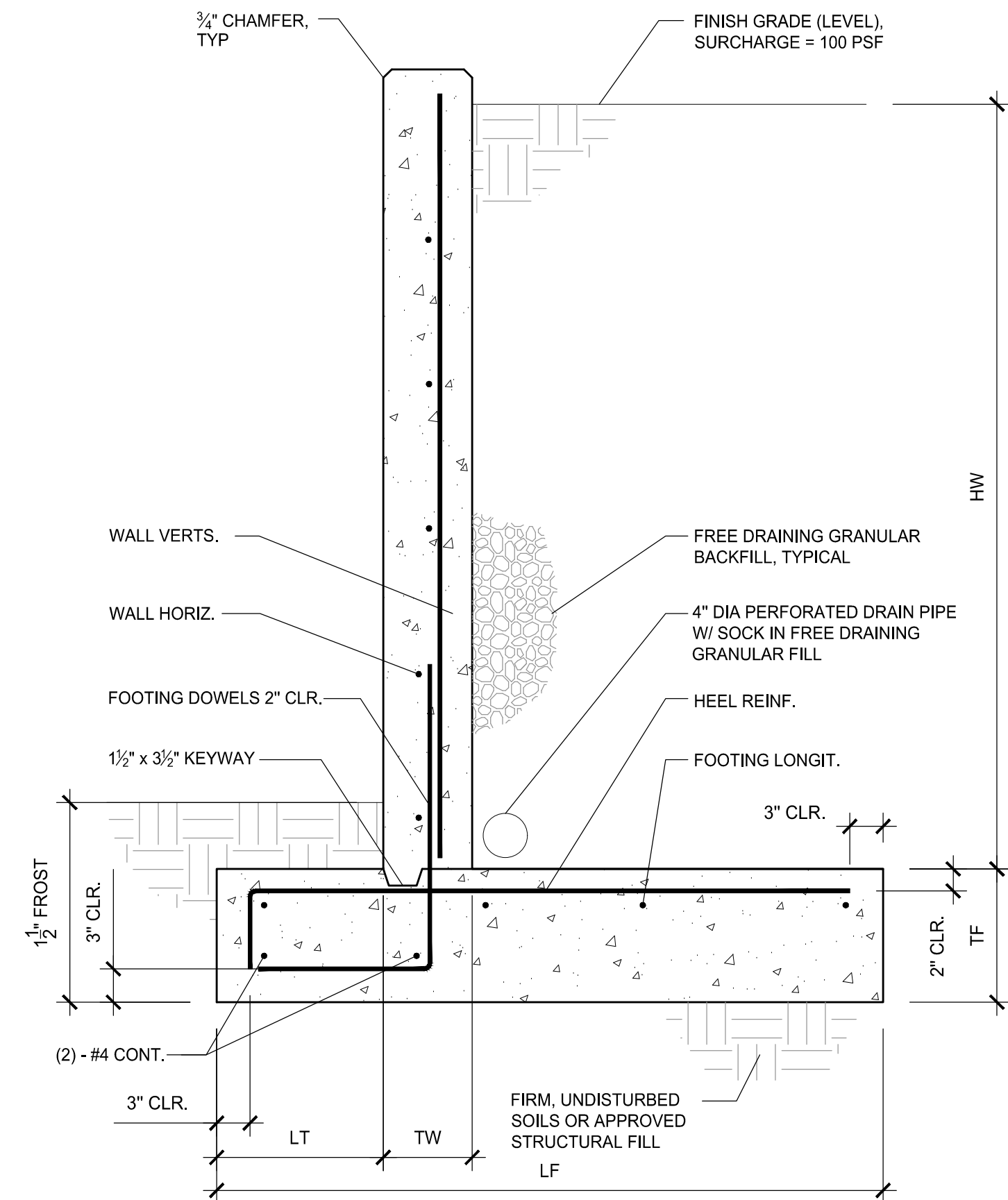
- NOTES:
1. ALL PIPE SHALL BE SCH. 40 STEEL PIPE.
  2. GRIND ALL WELDED JOINTS SMOOTH.
  3. HOT-DIP GALVANIZE ALL PARTS AFTER FABRICATION.
  4. PIPE SHALL FOLLOW ALIGNMENT OF STAIR NOSINGS.
  5. PROVIDE SHOP DRAWINGS BEFORE FABRICATION.
  6. SEE ANCHOR PLATE DETAIL FOR POST CONNECTION TO CONCRETE.
  7. STEPS IN FLIGHT MUST HAVE UNIFORM TREAD RUNS AND UNIFORM RISER HEIGHTS.
  8. TREADS SHALL BE 11" MIN, 12" MAX. RISERS SHALL BE 5" MIN, 7" MAX.
  9. LANDINGS BETWEEN FLIGHTS OF STEPS MUST HAVE SAME WIDTH AS STEPS AND A MIN LENGTH OF 4'-0".
  10. FLIGHTS OF 4 OR MORE STEPS SHALL HAVE HANDRAILS ON BOTH SIDES.
  11. HANDRAILS SHALL BE CONTINUOUS ACROSS LANDINGS BETWEEN FLIGHTS OF STEPS.
  12. TREAD SLOPES OUTWARD AT 1%.
  13. HANDRAILS SHALL NOT ROTATE IN THEIR FITTINGS
  14. STAIR NOSING AND TREADS SHALL HAVE A SLIP RESISTANT SURFACE.
  15. STAIRS AND HANDRAILS SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH THE CURRENT OREGON STRUCTURAL SPECIALTY CODE.



STAIR HANDRAIL ELEVATION



CONCRETE WALL CONTROL JOINT DETAIL  
NTS



SCHEDULE									
DIMENSIONS					FOOTING REINFORCING			WALL REINF.	
HW	TF	TW	LF	LT	FTG. LONGIT.	HEEL REINF.	FTG. DOWELS	WALL VERT.	WALL HORIZ.
UP TO 4'-0"	12"	8"	3'-0"	1'-0"	(4) - #4	#4 @ 18"	#4 x 3/4 @ 18"	#4 @ 18"	#4 @ 12"
UP TO 6'-0"	12"	8"	5'-0"	1'-0"	(7) - #4	#5 @ 10"	#4 x 3/4 @ 12"	#4 @ 12"	#4 @ 12"
UP TO 8'-0"	12"	8"	7'-0"	1'-0"	(10) - #4	#5 @ 12"	#5 x 3/4 @ 12"	#5 @ 12"	#4 @ 12"
UP TO 10'-0"	12"	8"	8'-0"	1'-0"	(12) - #4	#5 @ 6"	#5 x 3/4 @ 6"	#5 @ 6"	#4 @ 12"

ACCESSIBLE RAMP WALL DETAIL  
NTS

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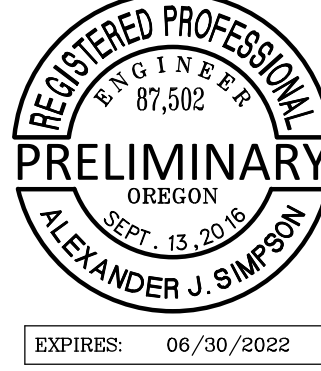
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C401



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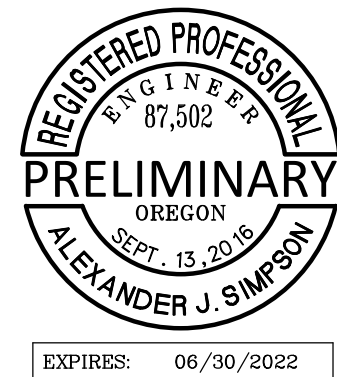
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phone: 503.221.1131 www.hhpr.com fax: 503.221.1171



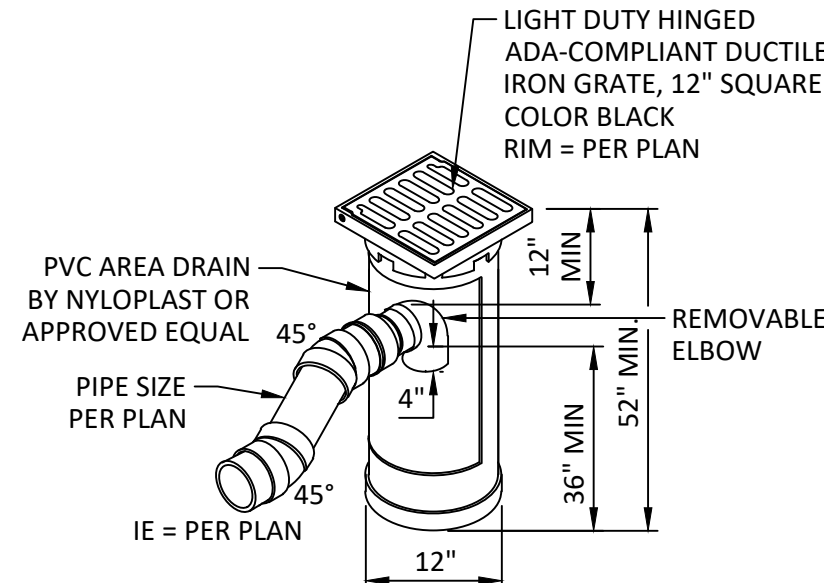
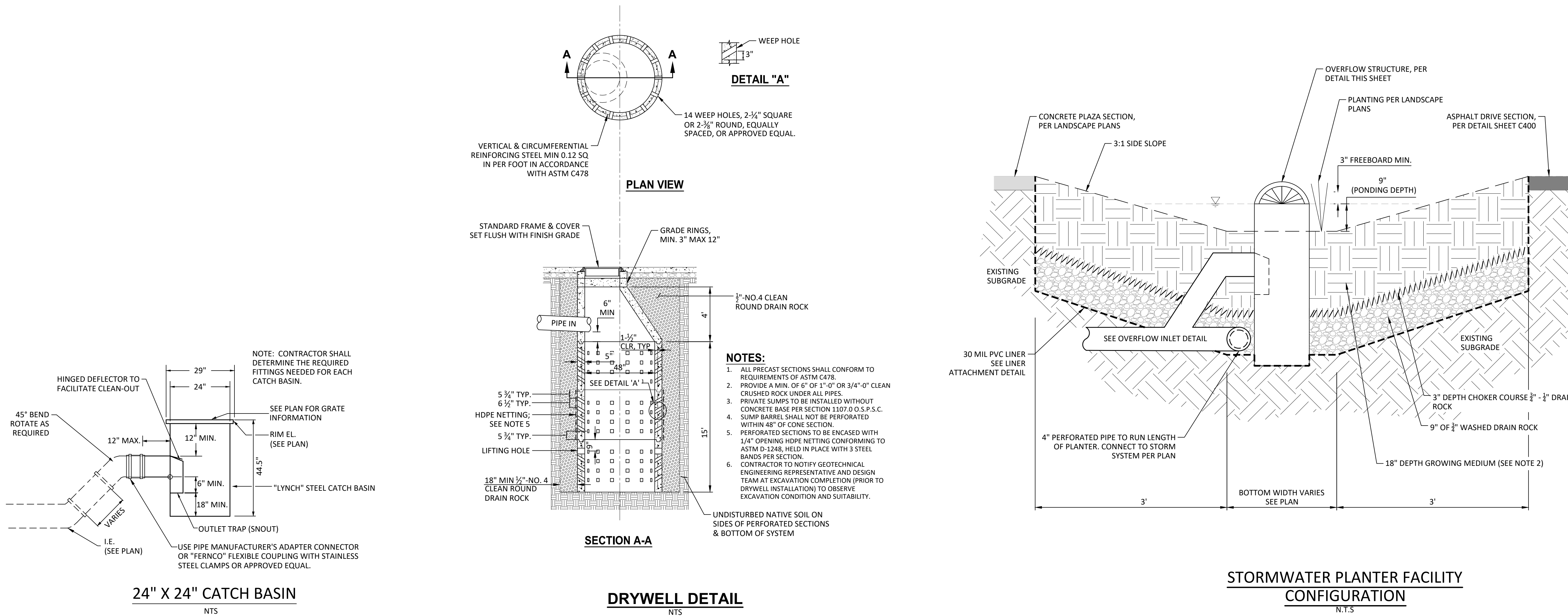
CANBY SCHOOL DISTRICT

CANBY HS - NEW CLASSROOM  
WING & CAMPUS IMPROVEMENTS

721 SW 4TH AVE, CANBY, OR 97013

MARK	DATE	DESCRIPTION
ISSUE DATE:	10 NOV 2021	
ISSUE:	LAND USE SUBMITTAL	
PROJECT NO:	2020914.10	
DRAWN BY:	HHPR	
CHECKED BY:	AJS	
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STORM DETAILS		

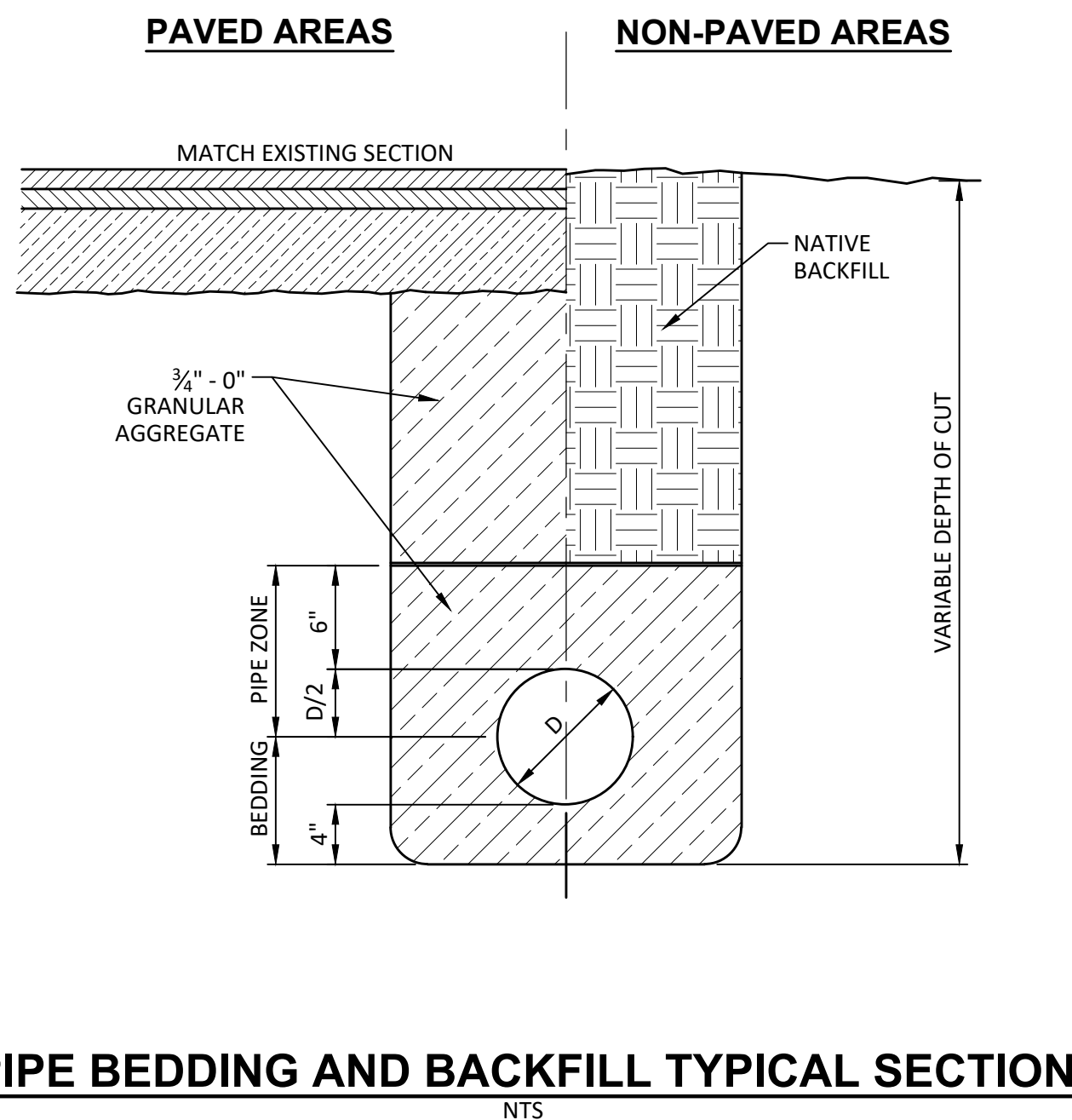
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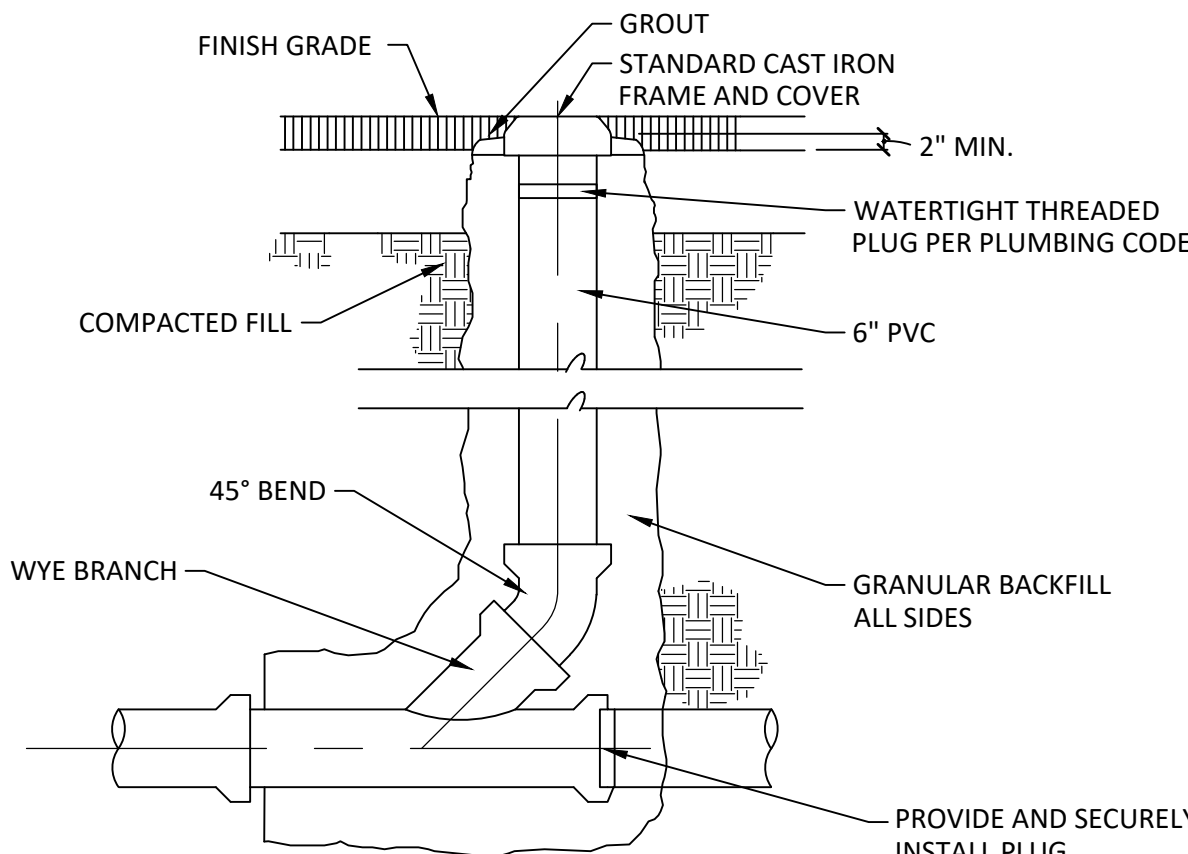
TRAPPED AREA DRAIN DETAIL

NOTES:

1. TRAP TO BE REMOVABLE TO ALLOW FOR FULL ACCESS TO OUTLET PIPE.
2. FRAMES, GRATES, HOODS, & BASE PLATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
3. THE BACKFILL MATERIAL SHALL BE CRUSHED STONE OR OTHER GRANULAR MATERIAL MEETING THE REQUIREMENTS OF CLASS II MATERIAL AS DEFINED IN ASTM D2321. BEDDING & BACKFILL FOR SURFACE DRAINAGE INLETS SHALL BE PLACED & COMPACTED UNIFORMLY IN ACCORDANCE WITH ASTM D2321.
4. PVC AREA DRAIN BASIN SHALL BE OREGON PLUMBING CODE APPROVED.

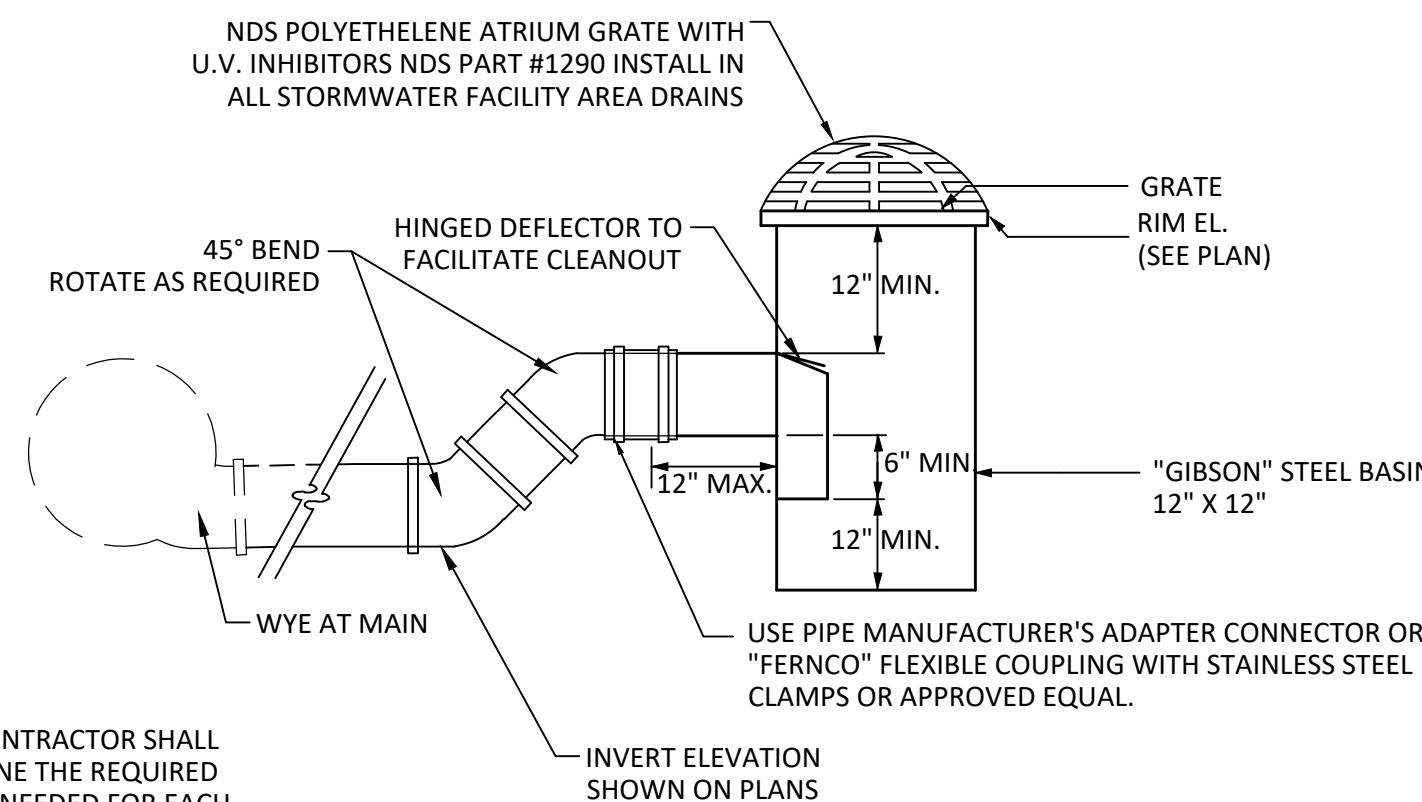


PIPE BEDDING AND BACKFILL TYPICAL SECTION



STANDARD CLEANOUT

NOTE: CAST IRON FRAME AND COVER SHALL BE VALLEY IRON & STEEL CO. NO. S 202 (6") OR APPROVED EQUAL.



OVERFLOW INLET DETAIL

NOTES:

1. NO CONSTRUCTION EQUIPMENT ALLOWED WITHIN STORMWATER PLANTER.
2. GROWING MEDIUM TO BE 3-WAY BLEND: SAND, LOAM, COMPOST MIX APPROVED BY CITY OF PORTLAND.





SITE PLAN LEGEND

- EXISTING BUILDING TO REMAIN
- PROPOSED BUILDING

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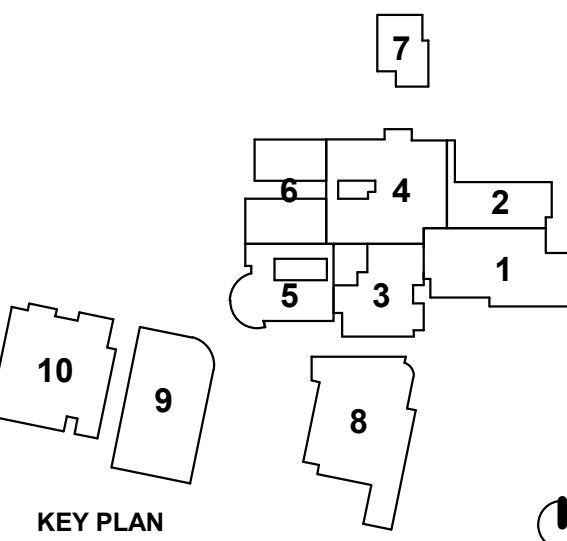
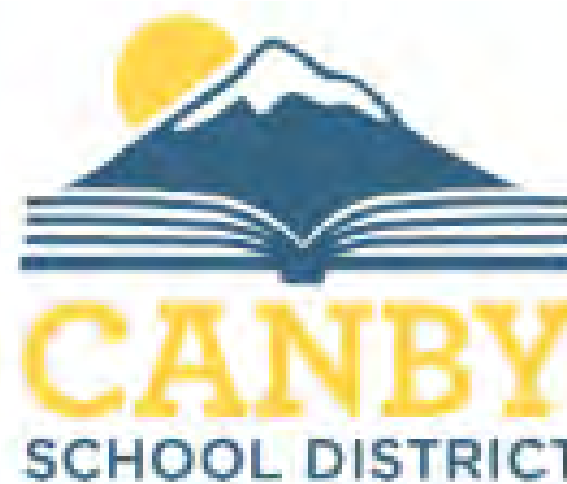
MAHLUM ARCHITECTS INC

FOR REFERENCE  
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CANBY SCHOOL DISTRICT

CANBY HS - NEW CLASSROOM  
WING & CAMPUS IMPROVEMENTS

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ISSUE: LAND USE SUBMITTAL

PROJECT NO: 2020914.10

DRAWN BY: BH

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ARCHITECTURAL SITE PLAN

NOTE: THIS PLAN IS FOR THE SOLE  
PURPOSE OF SHOWING FOOTPRINTS  
AND RELATIONSHIPS OF BUILDINGS  
ON CAMPUS. SITE ELEMENTS ARE  
SHOWN FOR REFERENCE ONLY. SEE  
CIVIL AND LANDSCAPE DRAWINGS  
FOR SITE-RELATED SCOPE.

0 40 80



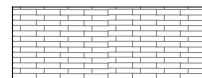
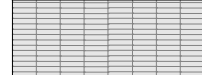


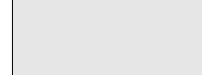
A1 ARCHITECTURAL SITE PLAN

1" = 40'-0"

A-101



ELEVATION MATERIAL LEGEND

-  BR-1  
04 20 01 BRICK MASONRY
-  BR-2  
04 20 01 BRICK MASONRY
-  BR-3  
04 20 01 BRICK MASONRY
-  FCP-1  
07 46 46 FIBER CEMENT  
PANEL
-  MP-1  
07 42 13 METAL PANEL

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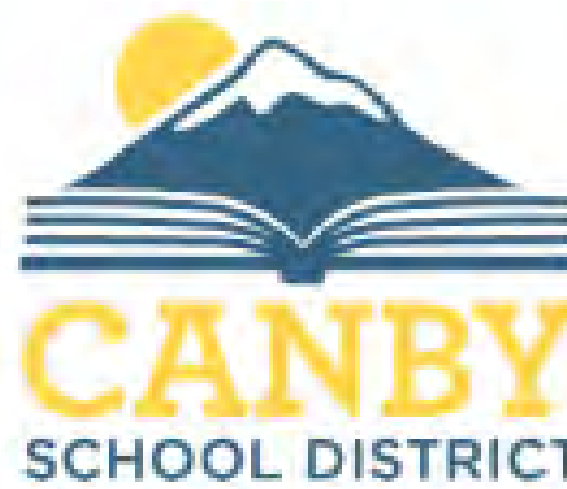
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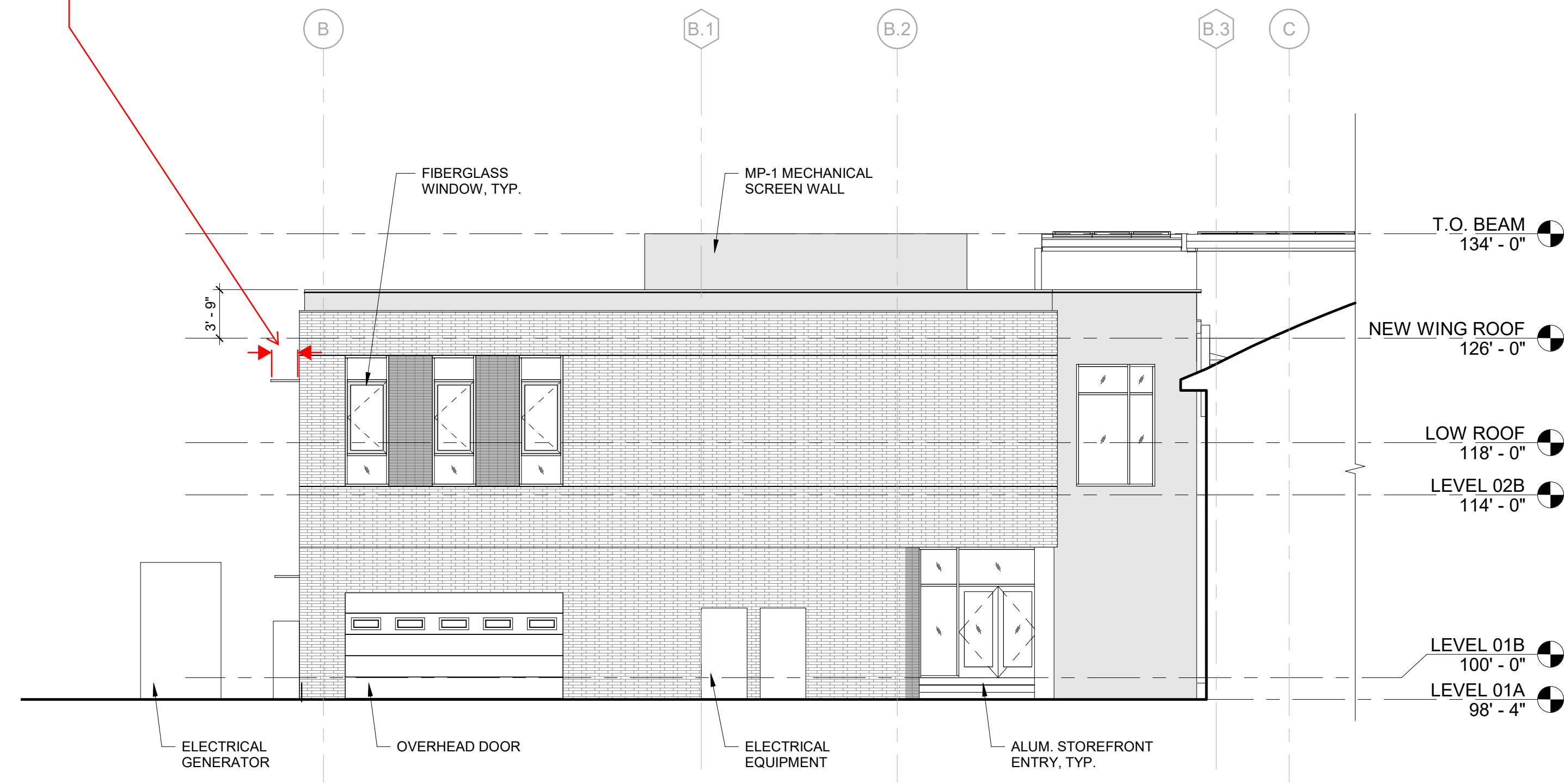
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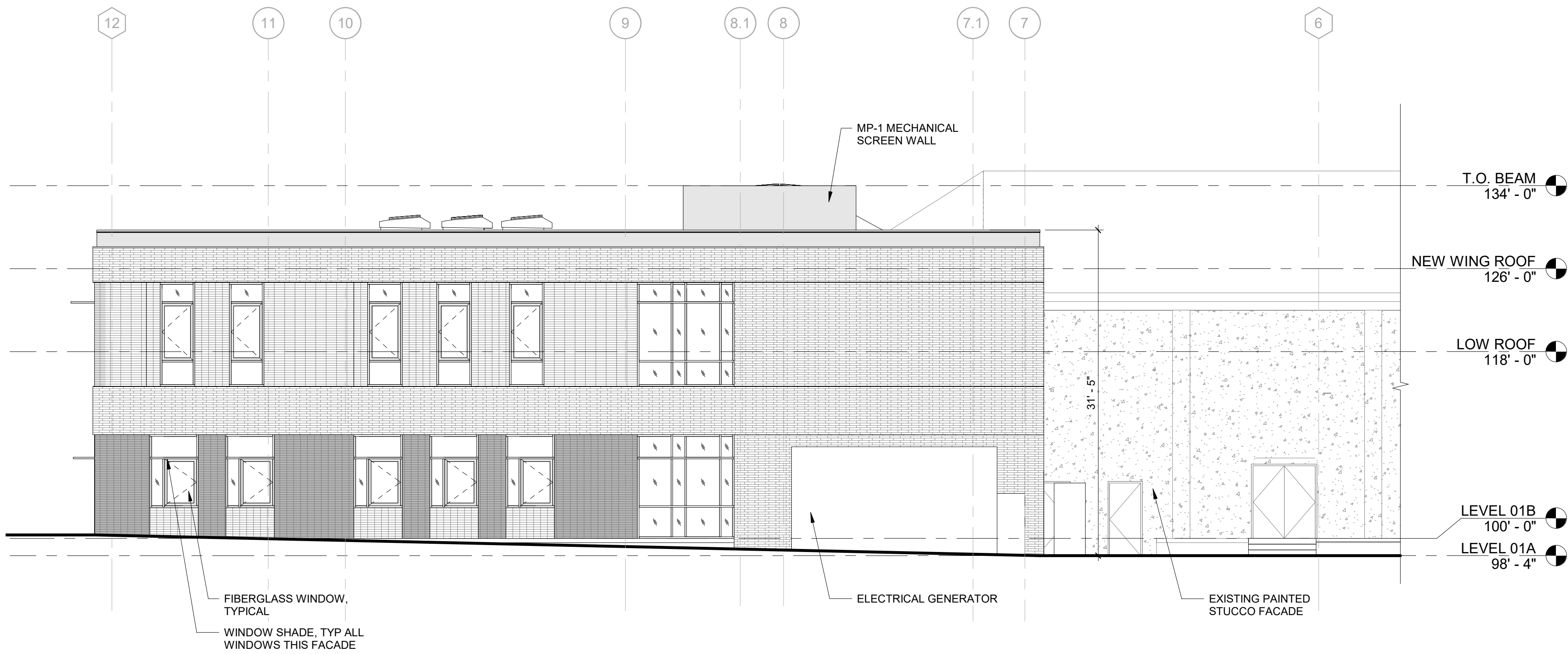
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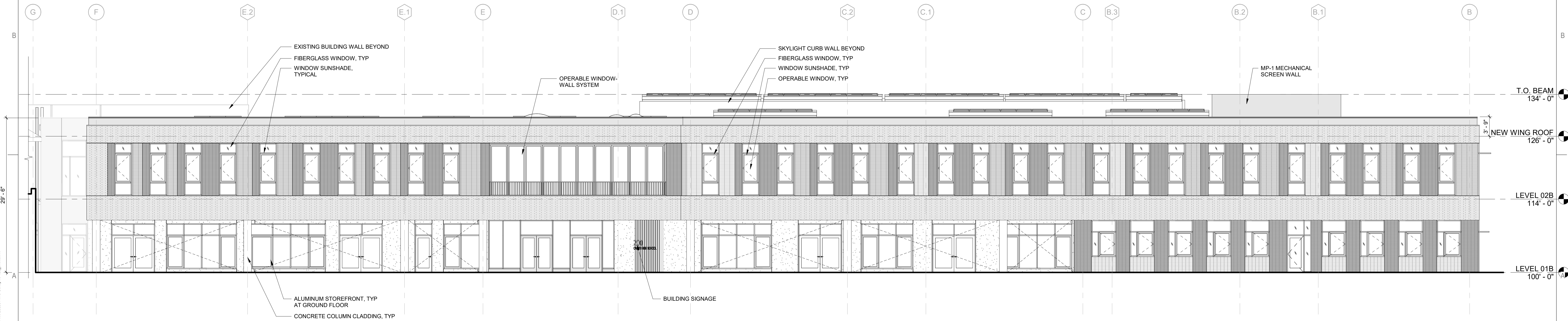
NOTE: maximum  
protruding object from  
building face is 2' - 3"



C1 NORTH ELEVATION - ZONE 1



C3 EAST ELEVATION - ZONE 1



A1 SOUTH ELEVATION - ZONE 1

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EXTERIOR ELEVATIONS - ZONE 1

A-211



1 2 3 4 5 6

E

D

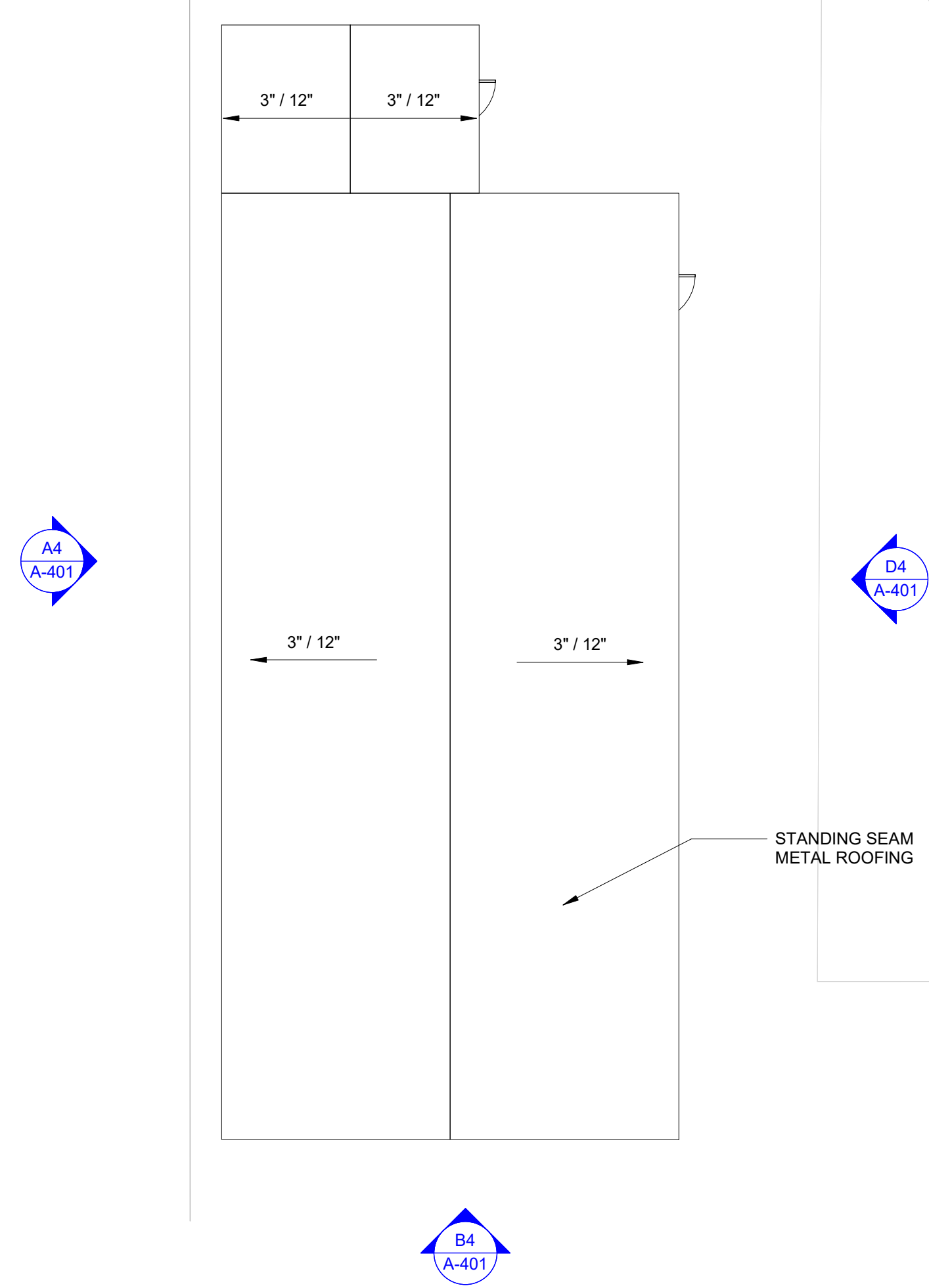
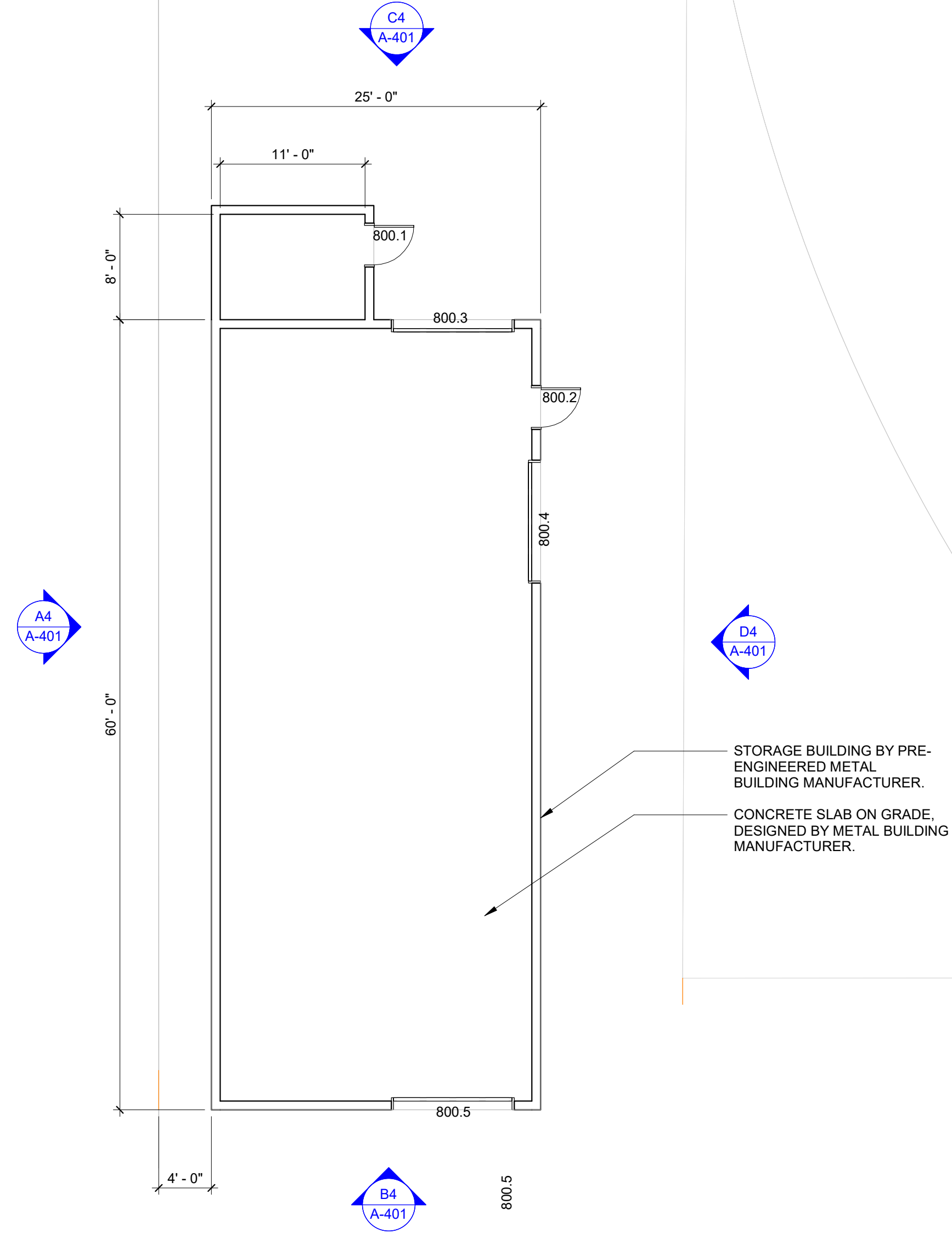
C

B

A

D1 ENLARGED SITE PLAN - TRACK STORAGE BUILDING  
1/8" = 1'-0"

A1 ENLARGED ROOF PLAN - TRACK STORAGE BUILDING  
1/8" = 1'-0"



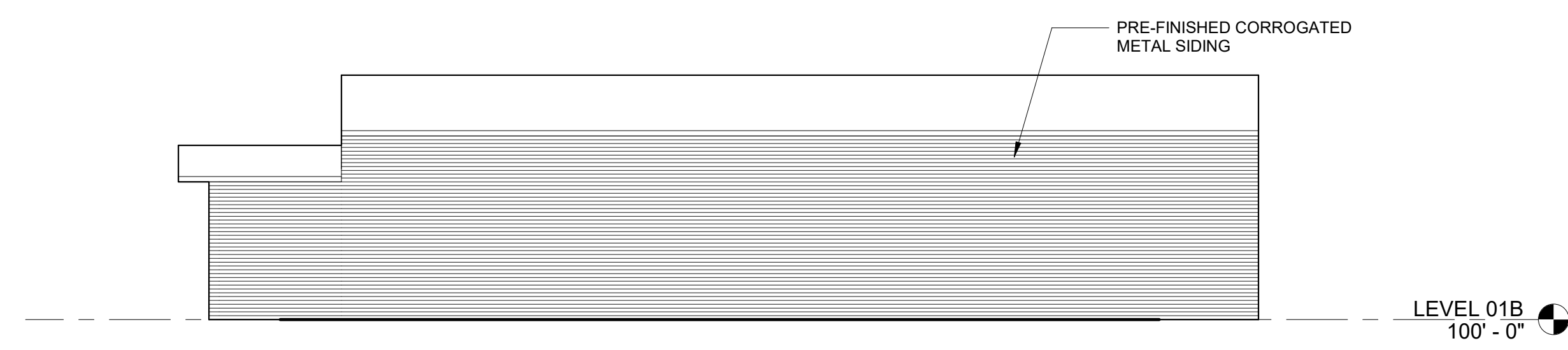
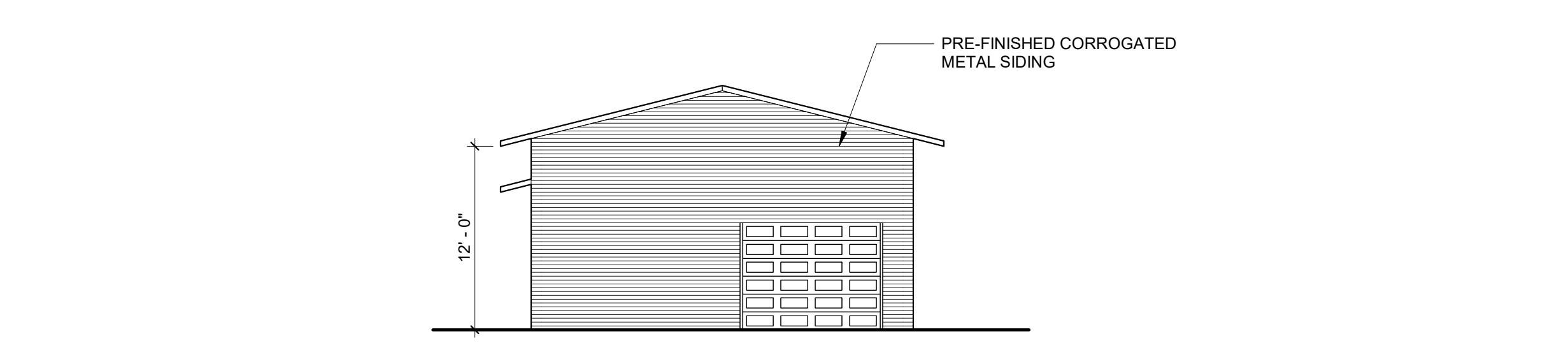
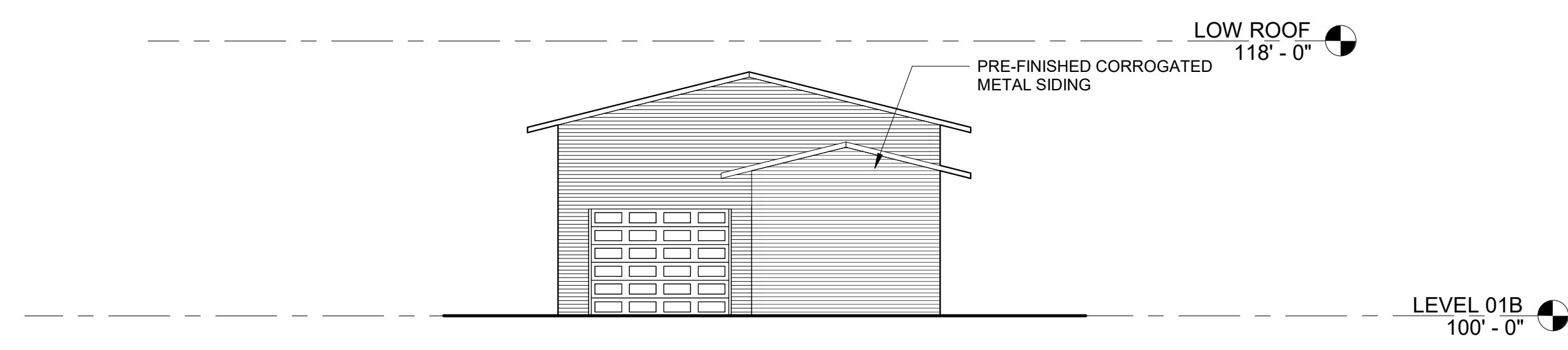
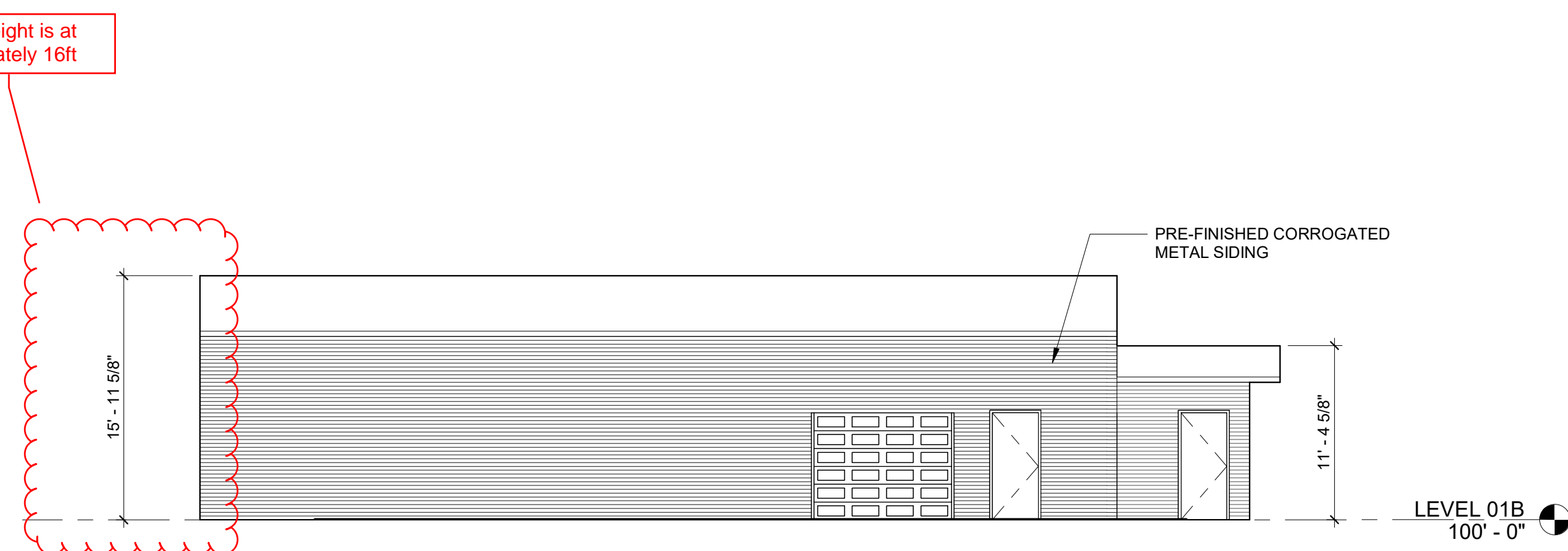
NOTE: height is at approximately 16ft

D4 EAST ELEVATION - TRACK STORAGE  
1/8" = 1'-0"

C4 NORTH ELEVATION - TRACK STORAGE  
1/8" = 1'-0"

B4 SOUTH ELEVATION - TRACK STORAGE  
1/8" = 1'-0"

A4 WEST ELEVATION - TRACK STORAGE  
1/8" = 1'-0"



PERMIT STAMP

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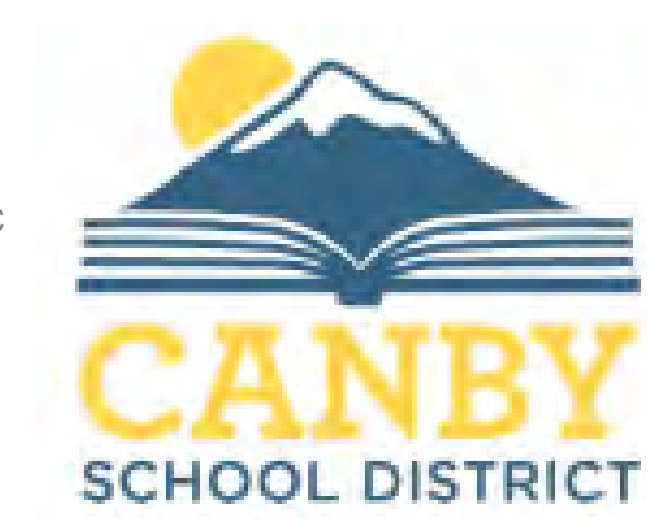
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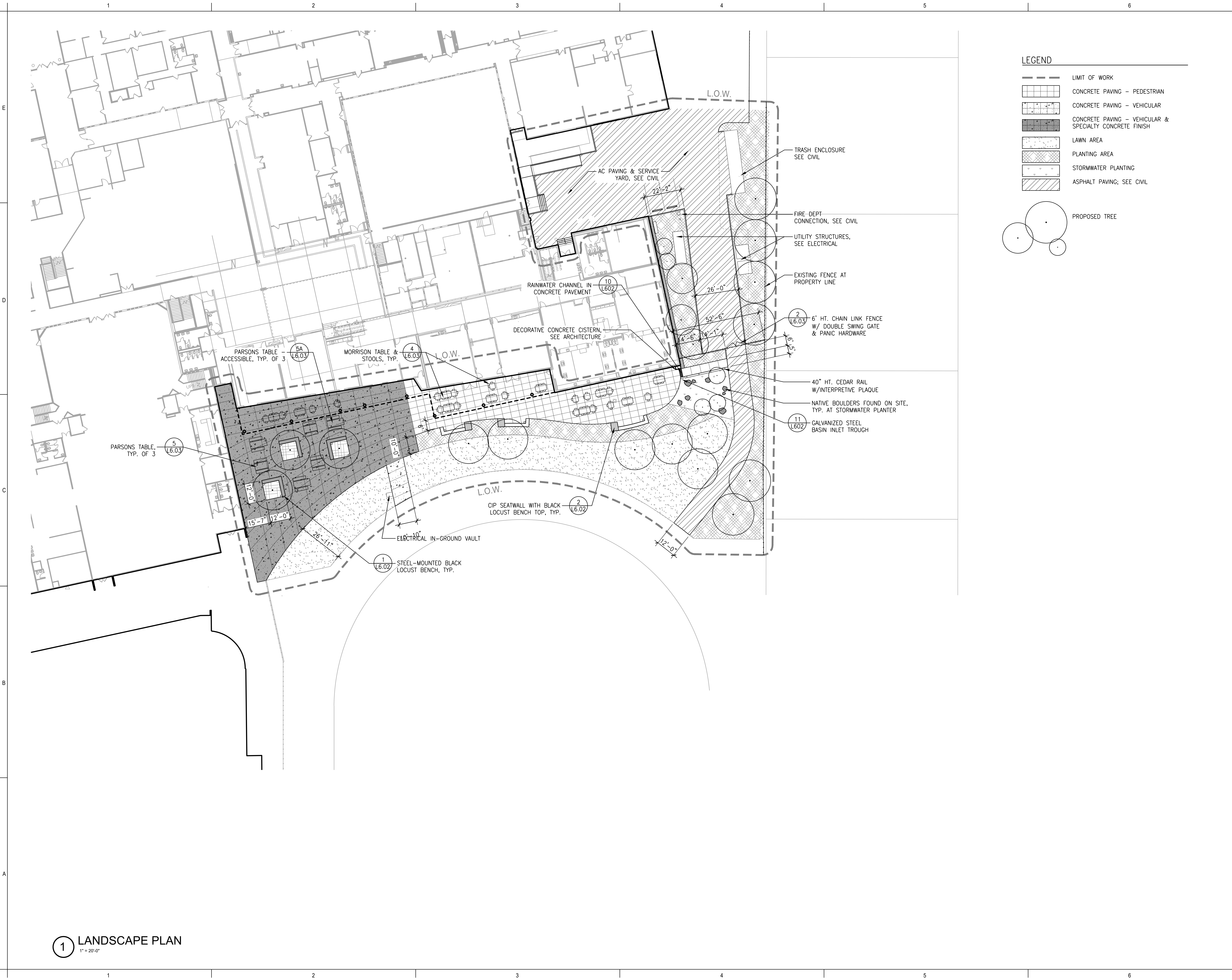


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ISSUE:	DESIGN DEVELOPMENT	
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ENLARGED SITE PLANS - TRACK  
STORAGE

A-401





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LANDSCAPE PLAN

1 LANDSCAPE PLAN  
1" = 20'-0"



E

D

C

B

A

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ISSUE:	LAND USE SUBMITTAL
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PROJECT NO:	2020914.10
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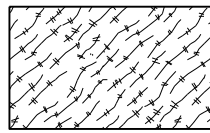
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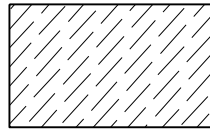
PLANT SCHEDULE

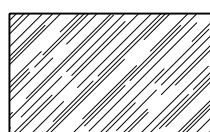
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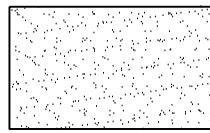
PLANT SCHEDULE

TREES	KEY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING
	ACGR	ACER GRISEUM	PAPERBARK MAPLE	2" CAL.	B&B	AS SHOWN
	ACTR	ACER TRUNCATUM 'KEITHSFORM'	NORWEGIAN SUNSET MAPLE	2" CAL.	B&B	AS SHOWN
	AMAL	AMALANCHIER ALNIFOLIA	WESTERN SERVICEBERRY	2" CAL.	B&B	AS SHOWN
	CORU	CORNUS X 'RUTCAN'	CONSTELLATION DOGWOOD	2" CAL.	B&B	AS SHOWN
	ULPR	ULMUS PROPINQUA	EMERALD SUNSHINE	2" CAL.	B&B	AS SHOWN

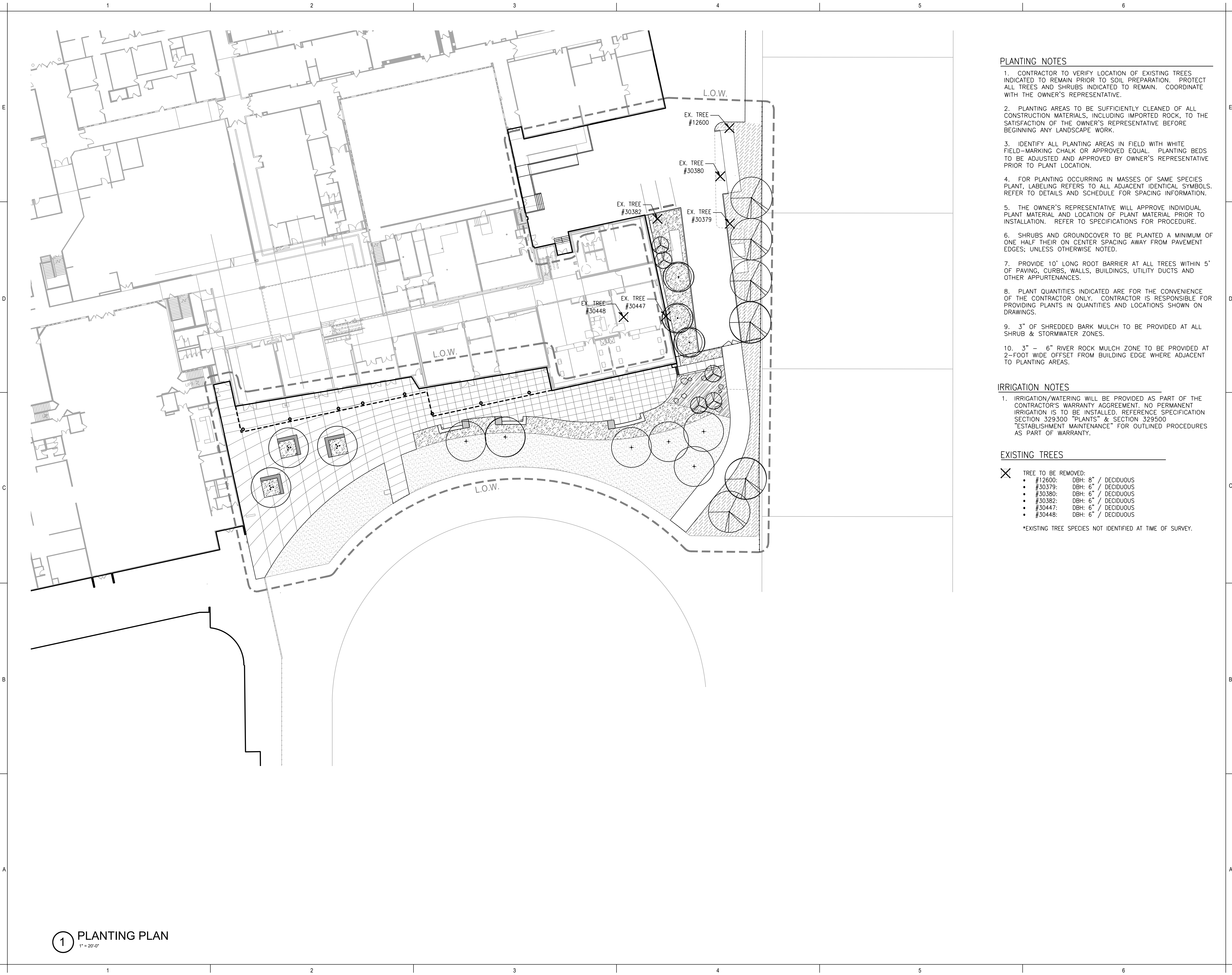
SHRUB AREAS	KEY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING
	ABKA	ABELIA X GRANDIFLORA 'KALEIDOSCOPE'	KALEIDOSCOPE ABELIA	2 GAL.	POT	48"
	BUGR	BUXUS M.K. 'GREEN BEAUTY'	GREEN BEAUTY BOXWOOD	3 GAL.	POT	36"
	CIHY	CISTUS X HYBRIDUS	WHITE ROCKROSE	3 GAL.	POT	48"
	CISN	CISTUS 'SNOWFIRE'	SNOWFIRE ROCKROSE	3 GAL.	POT	48"
	COSE	CORNUS SERICEA 'KELSEY'	KELSEY DOGWOOD	2 GAL.	POT	30"
	COAL	CORNUS ALBA 'IVORY HALO'	IVORY HALO RED TWIG DOGWOOD	3 GAL.	POT	52"
	FOGA	FOTHERGILLA GARDENII 'BLUE MIST'	DWARF FOTHERGILLA	3 GAL.	POT	30"
	GASH	GAULTHERIA SHALLON	SALAL	1 GAL.	POT	60"
	HERE	HEMEROCALLIS 'RED SUNSET'	RED SUNSET DAYLILY	1 GAL.	POT	24"
	ILCH	ILEX GLABRA 'CHAMZIN'	DWARF INKBERRY HOLLY	1 GAL.	POT	60"
	ILSH	ILEX GLABRA 'SHAMROCK'	DWARF INKBERRY HOLLY	1 GAL.	POT	36"
	LOPI	LONICERA PILEATA	BOX LEAF HONEYSUCKLE	3 GAL.	POT	36"
	MAAQ	MAHONIA AQUICOLIUM COMPACTA	OREGON GRAPE	1 GAL.	POT	30"
	PEAL	PENNISETUM ALOPECUROIDES 'MOUDRY'	BLACK FOUNTAIN GRASS	1 GAL.	POT	36"
	POMU	POLYSTITCHUM MUNITUM	WESTERN SWORDFERN	1 GAL.	POT	30"
	SPBE	SPIREA BETULIFOLIA	BIRCHLEAF SPIREA	2 GAL.	POT	36"
	VIDA	VIBURNUM DAVIDII	DAVID VIBURNUM	3 GAL.	POT	36"
	ARUV	ARCTOSTAPHYLOS UVA URSI	KINNIKINNICK	1 GAL.	POT	24"
	MARE	MAHONIA REPENS	CREEPING OREGON GRAPE	1 GAL.	POT	24"
	PRLA	PRUNUS LAUROCERASUS 'MOUNT VERNON'	MOUNT VERNON LAUREL	2 GAL.	POT	24"

BUFFER ZONE	KEY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING
	ARUV	ARCTOSTAPHYLOS UVA URSI	KINNIKINNICK	1 GAL.	POT	24"
	BUGR	BUXUS M.K. 'GREEN BEAUTY'	GREEN BEAUTY BOXWOOD	3 GAL.	POT	36"
	MYCA	MYRICA CALIFORNICA	PACIFIC WAX MYRTLE	5 GAL.	POT	72"
	THSM	THUJA OCCIDENTALIS 'SMARAGD'	EMERALD GREEN	5 GAL.	POT	48"

STORMWATER	KEY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING
	CAQU	CAMASSIA QUAMASH	CAMAS	BULB	POT	15"
	CAOB	CAREX OBNUPTA	SLOUGH SEDGE	1 GAL.	POT	15"
	IRMI	IRIS MISSOURIENSIS	ROCKY MOUNTAIN IRIS	1 GAL.	POT	12"
	JUPA	JUNCUS PATENS	SPREADING RUSH	1 GAL.	POT	15"
	POMU	POLYSTITCHUM MUNITUM	WESTERN SWORDFERN	1 GAL.	POT	30"

LAWN	BOTANICAL NAME
	TURF SEED





- PLANTING NOTES**
1. CONTRACTOR TO VERIFY LOCATION OF EXISTING TREES INDICATED TO REMAIN PRIOR TO SOIL PREPARATION. PROTECT ALL TREES AND SHRUBS INDICATED TO REMAIN. COORDINATE WITH THE OWNER'S REPRESENTATIVE.
  2. PLANTING AREAS TO BE SUFFICIENTLY CLEANED OF ALL CONSTRUCTION MATERIALS, INCLUDING IMPORTED ROCK, TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE BEFORE BEGINNING ANY LANDSCAPE WORK.
  3. IDENTIFY ALL PLANTING AREAS IN FIELD WITH WHITE FIELD-MARKING CHALK OR APPROVED EQUAL. PLANTING BEDS TO BE ADJUSTED AND APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO PLANT LOCATION.
  4. FOR PLANTING OCCURRING IN MASSES OF SAME SPECIES PLANT, LABELING REFERS TO ALL ADJACENT IDENTICAL SYMBOLS. REFER TO DETAILS AND SCHEDULE FOR SPACING INFORMATION.
  5. THE OWNER'S REPRESENTATIVE WILL APPROVE INDIVIDUAL PLANT MATERIAL AND LOCATION OF PLANT MATERIAL PRIOR TO INSTALLATION. REFER TO SPECIFICATIONS FOR PROCEDURE.
  6. SHRUBS AND GROUNDCOVER TO BE PLANTED A MINIMUM OF ONE HALF THEIR ON CENTER SPACING AWAY FROM PAVEMENT EDGES; UNLESS OTHERWISE NOTED.
  7. PROVIDE 10' LONG ROOT BARRIER AT ALL TREES WITHIN 5' OF PAVING, CURBS, WALLS, BUILDINGS, UTILITY DUCTS AND OTHER APPURTENANCES.
  8. PLANT QUANTITIES INDICATED ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. CONTRACTOR IS RESPONSIBLE FOR PROVIDING PLANTS IN QUANTITIES AND LOCATIONS SHOWN ON DRAWINGS.
  9. 3" OF SHREDDED BARK MULCH TO BE PROVIDED AT ALL SHRUB & STORMWATER ZONES.
  10. 3" - 6" RIVER ROCK MULCH ZONE TO BE PROVIDED AT 2-FOOT WIDE OFFSET FROM BUILDING EDGE WHERE ADJACENT TO PLANTING AREAS.

- IRRIGATION NOTES**
1. IRRIGATION/WATERING WILL BE PROVIDED AS PART OF THE CONTRACTOR'S WARRANTY. AGREEMENT. NO PERMANENT IRRIGATION IS TO BE INSTALLED. REFERENCE SPECIFICATION SECTION 329300 "PLANTS" & SECTION 329500 "ESTABLISHMENT MAINTENANCE" FOR OUTLINED PROCEDURES AS PART OF WARRANTY.

- EXISTING TREES**
- ✕ TREE TO BE REMOVED:
- #12600: DBH: 8" / DECIDUOUS
  - #30379: DBH: 6" / DECIDUOUS
  - #30380: DBH: 6" / DECIDUOUS
  - #30382: DBH: 6" / DECIDUOUS
  - #30447: DBH: 6" / DECIDUOUS
  - #30448: DBH: 6" / DECIDUOUS

\*EXISTING TREE SPECIES NOT IDENTIFIED AT TIME OF SURVEY.

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PLANTING PLAN

1 PLANTING PLAN  
1" = 20'-0"

L-103



EXTERIOR MATERIAL BOARD



NEW WING EXTERIOR RENDERING



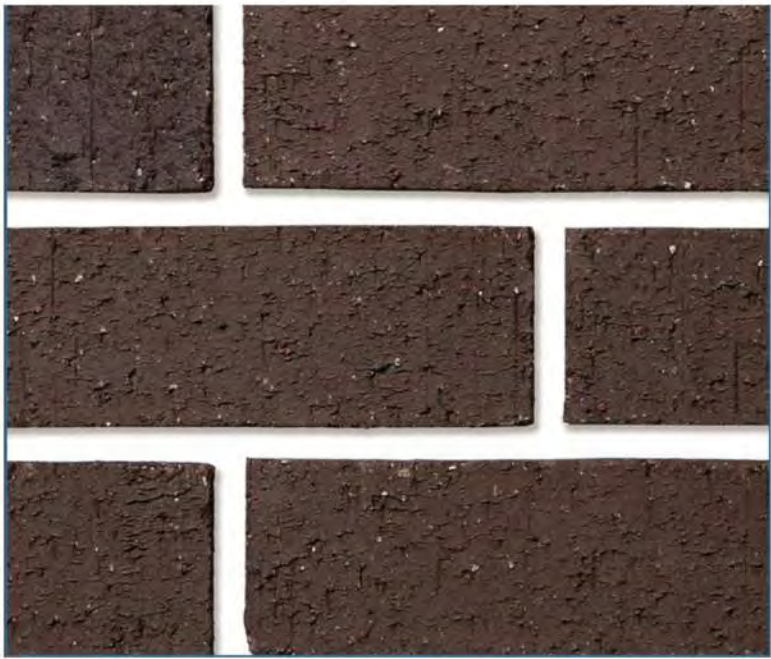
EXISTING CAMPUS CONTEXT



BR-1 BRICK MASONRY (RUNNING BOND)  
BR-2 BRICK MASONRY (STACKED BOND)  
BOD: MUTUAL MATERIALS - FOREST BLEND



CAST-IN-PLACE ARCHITECTURAL CONCRETE



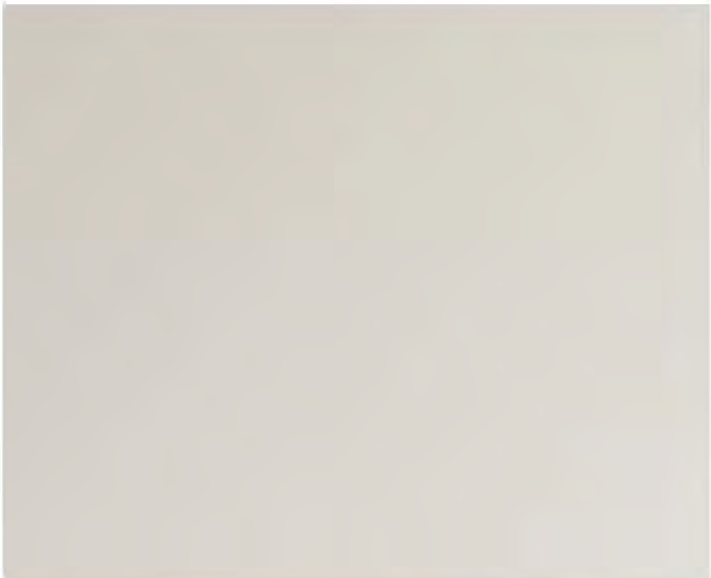
BR-3 BRICK MASONRY (STACKED BOND)  
BOD: MUTUAL MATERIALS - EBONY



FCP-1 FIBER CEMENT PANEL  
BOD: CEMBRIT PATINA - PEARL







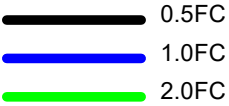
FIBERGLASS WINDOW FRAMES  
BOD: CASCADIA - LIGHT GREY



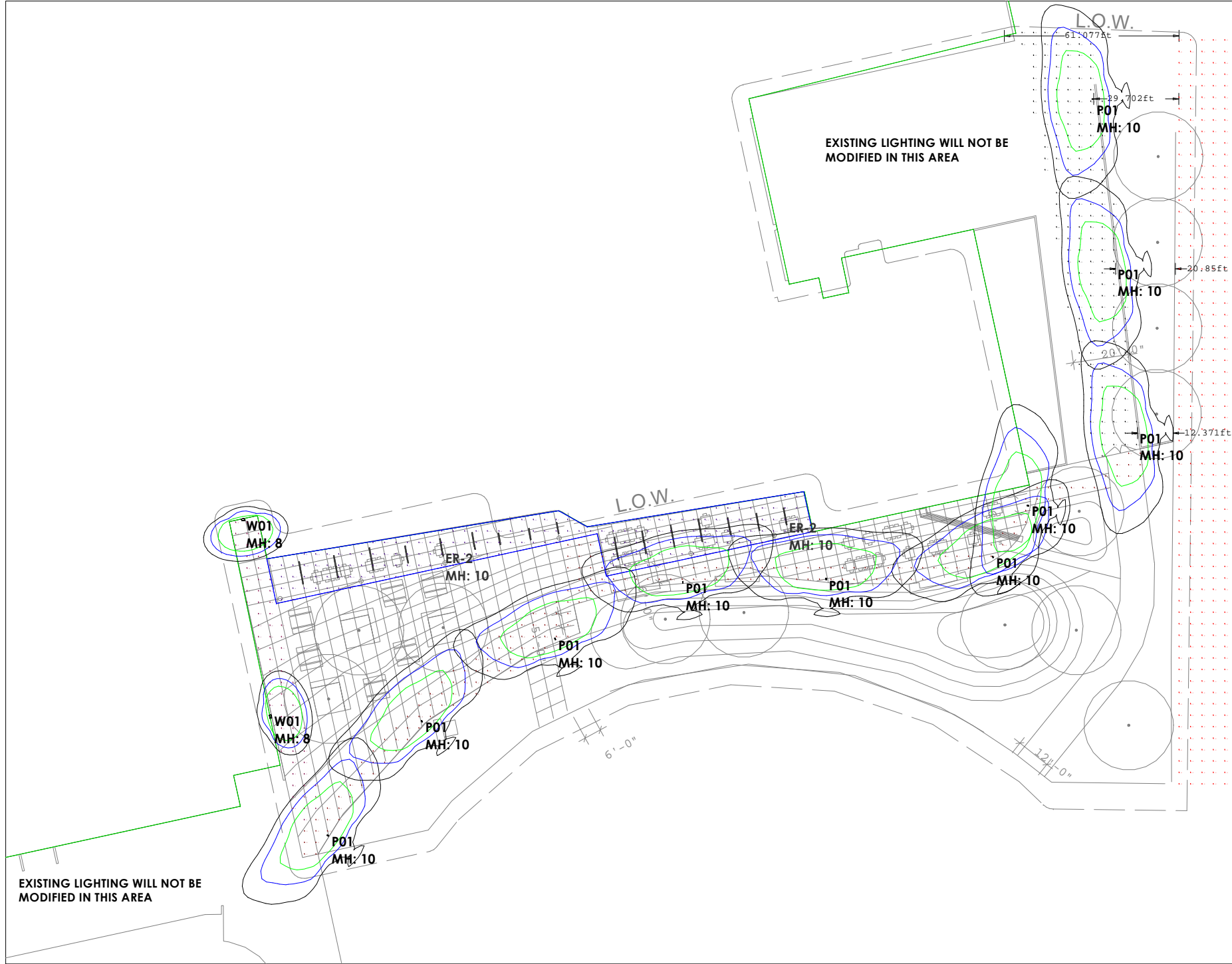
PREFINISHED METAL PANEL



Luminaire Schedule										
Symbol	Qty	Tag	Description	Lum. Watts	Lum. Lumens	LLD	LDD	LLF	BUG Rating	Mounting Height
	10	P01	LIN-M1075-UNV-L30-4-C(X)-XX-XX	40.3	4266	0.950	0.900	0.855	B1-U0-G2	10
	2	W01	WST LED P1 30K VW MVOLT	12	1548	0.950	0.900	0.855	B0-U0-G0	8
	23	ER-4	Bionic Pro 4 - Recessed 4 feet	15.4	1960	0.950	0.950	0.903	B1-U0-G1	8
	6	ER-2	Bionic Pro 4 - Recessed 2 feet	15.4	1960	0.950	0.950	0.451	B1-U0-G1	8



Calculation Summary									
Label	CalcType	Units	Target	Avg	Max	Min	Avg/Min	Max/Min	
Outdoor Covered Ar	Illuminance	Fc	10FC Avg.	10.82	21.0	3.1	3.49	6.77	
PROPERTY LINE	Illuminance	Fc	0.5FC OR LESS	0.03	0.4	0.0	N.A.	N.A.	
Walkway 1	Illuminance	Fc	1FC Avg. and 0.1FC Min.	2.15	9.5	0.2	10.75	47.50	
Walkway 2	Illuminance	Fc	1FC Avg. and 0.1FC Min.	4.41	13.0	0.5	8.82	26.00	
Walkway 4	Illuminance	Fc	1FC Avg. and 0.1FC Min.	2.32	10.0	0.0	N.A.	N.A.	



Not to Scale



#	Date	Comments
Revisions		

Drawn By: AA
Checked By:
Date: 11/22/2021
Not To Scale

CANBY SCHOOL DISTRICT- HIGH SCHOOL
SITE LIGHTING



GENERAL NOTES:

- A THIS LUMINAIRE SCHEDULE IS NOT COMPLETE WITHOUT A COPY OF THE ELECTRICAL SPECIFICATIONS.
- B VERIFY LUMINAIRE VOLTAGE WITH BRANCH CIRCUIT SUPPLYING POWER TO LUMINAIRE PRIOR TO ORDERING.
- C ALL LUMINAIRES TO BE REDUCTION OF HAZARDOUS SUBSTANCES (ROHS) COMPLIANT AND UL LISTED.
- D CONTRACTOR IS RESPONSIBLE TO VERIFY CEILING TYPE AND THICKNESS AND PROVIDE REQUIRED MOUNTING HARDWARE FOR ALL FIXTURE TYPES.
- E ALL BALLASTS/DRIVERS SHALL BE COMPATIBLE WITH LIGHTING CONTROL SYSTEM. VERIFY COMPATIBILITY OF ALL CONTROL EQUIPMENT PRIOR TO ORDERING AND SUBMITTAL REVIEWS.
- F LIGHT BULB MANUFACTURER TO PROVIDE LIGHT BULBS FOR A MOCKUP ROOM PRIOR TO RELAMPING ENTIRE PROJECT.
- G CONTRACTOR SHALL PROVIDE ONE BULB FOR EACH BALLAST LAMP HOLDER / SOCKET.
- H ALL EMERGENCY LUMINAIRES (EM) SHALL BE PROVIDED WITH UNSWITCHED CIRCUIT.
- I LM-79/LM-80 AND TM-21 COMPLIANT.
- J MINIMUM 5 YEAR WARRANTY.
- K CONTRACTOR TO VERIFY LUMINAIRE DRIVERS ARE COMPATIBLE WITH CONTROL SYSTEM BEFORE ORDERING.
- L FOR ALL REPLACEMENT LED LAMPS REFERENCE LUMINAIRE SCHEDULE AND CUTSHEETS B01 AND B02. ALL REPLACEMENT LAMPS SHALL BE UL LISTED AND COMPATIBLE WITH EXISTING BALLASTS/DRIVERS.

LUMINAIRE SCHEDULE												
TYPE MARK	LOCATION	DESCRIPTION	MANUFACTURER	MODEL	DISTRIBUTION	CCT	CRI	WATTAGE	DELIVERED LUMENS	VOLTAGE	DIMMING TYPE	COMMENTS
C01	LIBRARY AND HALLWAY 355	SURFACE MOUNTED LED 4" WIDE AND 4" LONG AND 4" HIGH LENSED LINEAR LUMINAIRE WITH INTEGRAL DRIVER	ALW	SP4	60 DEGREE BATWING DISTRIBUTION	3500K	90CRI	36	4800 lm	120-277V UNV	0-10V DIMMING	CONTRCTOR TO PROVIDE REQUIRED MOUNTING ACCESSORIES. CONFIRM FINISH WITH ARCHITECT. THIS FIXTURE PROVIDES 1200LM/FT AND 9.1 W/FT.
C02A	SHARED LEARNING AREAS THROUGHOUT AND LIBRARY	SURFACE MOUNTED LED ROUND LUMINAIRE WITH 20" DIAMETER AND INTEGRAL DRIVER.	ALIGHT	ATL3	DIRECT SYMMETRIC DISTRIBUTION	3500K	90CRI	27.7	1411 lm	120-277V UNV	0-10V DIMMING	WHITE FINISH SPECIFIED. VERIFY FINISH WITH ARCHITECT
C02B	SHARED LEARNING AREAS THROUGHOUT AND LIBRARY	SAME AS C02A EXCEPT IN 32" DIAMETER	ALIGHT	ATL3	DIRECT SYMMETRIC DISTRIBUTION	3500K	90CRI	66.6	3334 lm	120-277V UNV	0-10V DIMMING	WHITE FINISH SPECIFIED. VERIFY FINISH WITH ARCHITECT
C02C	SHARED LEARNING AREAS THROUGHOUT	SAME AS C02A EXCEPT IN 48" DIAMETER	ALIGHT	ATL3	DIRECT SYMMETRIC DISTRIBUTION	3500K	90CRI	122.6	8379 lm	120-277V UNV	0-10V DIMMING	WHITE FINISH SPECIFIED. VERIFY FINISH WITH ARCHITECT
C03	BLUE GYM	SURFACE MOUNTED HIGH BAY LED LUMINAIRE WITH ALUMINUM HOUSING AND IK10 RATING AND WHITE POLYCARBONATE LENS, NOMINAL 24" LONG, 27"W, AND 2.5'H WITH INTEGRAL 15W 90MIN BATTERY PACK	LUX DYNAMIC	IK10+	120 DEGREE BEAM ANGLE	3500K	80CRI	245	25313 lm	120-277V UNV	0-10V DIMMING	SURFACE MOUNTED HIGH BAY LED LUMINAIRE WITH ALUMINUM HOUSING AND IK10 RATING AND WHITE POLYCARBONATE LENS, NOMINAL 24" LONG, 27"W, AND 2.5'H WITH INTEGRAL 15W 90MIN BATTERY PACK
C04	BACK OF HOUSE, THROUGHOUT	SURFACE MOUNTED LED 4" WIDE AND 4" LONG AND 4" HIGH LENSED LINEAR LUMINAIRE WITH INTEGRAL DRIVER	LITHONIA	CLX	DIRECT WIDE DISTRIBUTION WITH ROUND LENS	3500K	90CRI	32	4000 lm	120-277V UNV	0-10V DIMMING	CONTRCTOR TO PROVIDE REQUIRED MOUNTING ACCESSORIES. CONFIRM FINISH WITH ARCHITECT.
C05	FINEARTS ROOM AND MUSIC ROOM	2X4 RECESSED LED FLAT LENSED PANEL WITH INTEGRAL GRID CLIPS. FIXTURE IS DLC AND CUL AND IP44 RATED	SIGMA LUMINOUS	SLFP	120 DEGREE BEAM ANGLE	3500K	80CRI+	50	6425 lm	100-277V UNV	0-10V DIMMING	ALUMINUM FRAME WITH FROSTED LENS
C08A	THE GOLD GYM	SURFACE MOUNTED LED 8" LONG CYLINDRICAL LUMINAIRE WITH INTEGRAL DRIVER AND WITH WHITE POLYCARBONATE LENS.	LUX DYNAMICS	360P	WIDE DIFFUSED	3500K	90CRI	216	24108 lm	120-277V UNV	0-10V DIMMING	CONTRACTOR TO PROVIDE REQUIRED MOUNTING ACCESSORIES AND ENSURE LUMIANIRE IS SECURELY FASTENED TO TAKE HIGH IMPACT. CONFIRM FINISH WITH ARCHITECT.
C08B	DANCE	SAME AS C08A EXCEPT WITH LOWER LUMEN OUTPUT	LUX DYNAMICS	360P	WIDE DIFFUSED	3500K	90CRI	212	22908 lm	120-277V UNV	0-10V DIMMING	CONTRACTOR TO PROVIDE REQUIRED MOUNTING ACCESSORIES AND ENSURE LUMIANIRE IS SECURELY FASTENED TO TAKE HIGH IMPACT. CONFIRM FINISH WITH ARCHITECT.
ER04	OUTDOOR OVERHANGS	RECESSED LED 4" WIDE AND 4" LONG AND 4" DEEP LENSED LINEAR LUMINAIRE WITH INTEGRAL DRIVER AND DAMP RATED	PRUDENTIAL LIGHTING	BIONIC PRO 4	BATWING DISTRIBUTION	3500K	90CRI	16	1960 lm	120-277V UNV	0-10V DIMMING	THIS FIXTURE PROVIDES 490 LM/FT AND 4 W/FT. VERIFY FINISH WITH ARCHITECT
ER06	OUTDOOR OVERHANGS	SAME AS ER04 EXCEPT IN 6'-0" LENGTH	PRUDENTIAL LIGHTING	BIONIC PRO 4	BATWING DISTRIBUTION	3500K	90CRI	24	2940 lm	120-277V UNV	0-10V DIMMING	THIS FIXTURE PROVIDES 490 LM/FT AND 4 W/FT. VERIFY FINISH WITH ARCHITECT
ER08	OUTDOOR OVERHANGS	SAME AS ER04 EXCEPT IN 8'-0" LENGTH	PRUDENTIAL LIGHTING	BIONIC PRO 4	BATWING DISTRIBUTION	3500K	90CRI	32	3920 lm	120-277V UNV	0-10V DIMMING	THIS FIXTURE PROVIDES 490 LM/FT AND 4 W/FT. VERIFY FINISH WITH ARCHITECT
EX1	TREE UPLIGHT	LOW VOLTAGE GROUND UPLIGHT WITH 7.3" HEIGHT (INCLUDING 45 DEGREE SNOOT) AND 2.4" DIAMETER FOR LANDSCAPE LIGHTING WITH GALVANIZED SOLID BRASS BODY AND REMOTE TRANSFORMER. LUMINAIRE IS WET LISTED.	BEACHSIDE LIGHTING	E16	30 DEGREE DISTRIBUTION	3000K	80CRI+	11	777 lm	12V	NON-DIM	CONTRACTOR TO PROVIDE ALL REQUIRED ACCESSORIES. A LIST OF COMPATIBLE TRANSFORMERS HAVE BEEN PROVIDED BY MANUFACTURER. CONTRACTOR TO VERIFY SIZE OF TRANSFORMER WITH MANUFACTURER BEFORE ORDERING. REMOTE TRANSFORMER TO BE STORED IN AN ACCESSABLE NEARBY LOCATION TAKING ACCOUNT POTENTIAL VOLTAGE DROPS.
P01	NEW COURTYARD	SINGLE HEAD FULL CUT OFF LED FIXTURE AND WITH HOUSE SIDE SHIELD, MINIMUM 80CRI NOMINAL 3" WIDE, AND 4" TALL BY 29" LONG POLE HEAD AND 10' LONG POLE. FIXTURE IS UL LISTED AND DARK SKY COMPLIANT.	STRUCTURA	LIN	TYPE II DISTRIBUTION	3000K	90CRI	40	4266 lm	120-277V UNV	NON-DIM	CONTRACTOR TO VERIFY FINISHE WITH ARCHITECT.
R01	RESTROOMS, AND CLASSROOMS	5" RECESSED LED SQUARE DOWNLIGHT WITH INTEGRAL DRIVER	GRAFFITI LIGHTING	GR RESEIES	WIDE FLOOD 60 DEGREES	3500K	90CRI	21W	1449 lm	120-277V UNV	0-10V DIMMING	HOUSING TYPE TO BE VERIFIED WITH FIELD CONDITIONS.
R04	HALLWAYS	RECESSED LED 4" WIDE AND 4" LONG AND 4" DEEP LENSED LINEAR LUMINAIRE WITH INTEGRAL DRIVER. FIXTURE IS IC AND UGR16 RATED	PRUDENTIAL LIGHTING	BIONIC PRO 4	BATWING DISTRIBUTION	3500K	90CRI	24	2880 lm	120-277V UNV	0-10V DIMMING	THIS FIXTURE PROVIDES 720 LM/FT AND 6 W/FT. CONTRACTOR TO VERIFY FINISH WITH ARCHITECT AND TO COORDINATE TRIM OPTION WITH CEILING THCKNESS.
R04B	HALLWAYS 233	SAME AS R04 EXCEPT CEILING SYSTEM VARIES	PRUDENTIAL LIGHTING	BIONIC PRO 4	BATWING DISTRIBUTION	3500K	90CRI	24	2880 lm	120-277V UNV	0-10V DIMMING	THIS FIXTURE PROVIDES 720 LM/FT AND 6 W/FT. CONTRACTOR TO VERIFY FINISH WITH ARCHITECT AND TO COORDINATE TRIM OPTION WITH CEILING THCKNESS.
R07	CAFE 233	SAME AS R04 EXCEPT 7'-0" LONG AND CEILING SYSTEM VARIES	PRUDENTIAL LIGHTING	BIONIC PRO 4	BATWING DISTRIBUTION	3500K	90CRI	42	5040 lm	120-277V UNV	0-10V DIMMING	THIS FIXTURE PROVIDES 720 LM/FT AND 6 W/FT. CONTRACTOR TO VERIFY FINISH WITH ARCHITECT AND TO COORDINATE TRIM OPTION WITH CEILING THCKNESS.
R07B	SHARED LEARNING	SAME AS R04 EXCEPT 7'-0" LONG AND CEILING SYSTEM VARIES	PRUDENTIAL LIGHTING	BIONIC PRO 4	BATWING DISTRIBUTION	3500K	90CRI	42	5040 lm	120-277V UNV	0-10V DIMMING	THIS FIXTURE PROVIDES 720 LM/FT AND 6 W/FT. CONTRACTOR TO VERIFY FINISH WITH ARCHITECT AND TO COORDINATE TRIM OPTION WITH CEILING THCKNESS.
R08	CLASSROOMS	SAME AS R04 EXCEPT 8'-0" LONG AND CEILING SYSTEM VARIES	PRUDENTIAL LIGHTING	BIONIC PRO 4	BATWING DISTRIBUTION	3500K	90CRI	48	5760 lm	120-277V UNV	0-10V DIMMING	THIS FIXTURE PROVIDES 720 LM/FT AND 6 W/FT. CONTRACTOR TO VERIFY FINISH WITH ARCHITECT AND TO COORDINATE TRIM OPTION WITH CEILING THCKNESS.
R08B	HALLWAY 233	SAME AS R04 EXCEPT 8'-0" LONG AND CEILING SYSTEM VARIES	PRUDENTIAL LIGHTING	BIONIC PRO 4	BATWING DISTRIBUTION	3500K	90CRI	48	5760 lm	120-277V UNV	0-10V DIMMING	THIS FIXTURE PROVIDES 720 LM/FT AND 6 W/FT. CONTRACTOR TO VERIFY FINISH WITH ARCHITECT AND TO COORDINATE TRIM OPTION WITH CEILING THCKNESS.
R12	CLASSROOMS	SAME AS R04 EXCEPT 12'-0" LONG AND CEILING SYSTEM VARIES	PRUDENTIAL LIGHTING	BIONIC PRO 4	BATWING DISTRIBUTION	3500K	90CRI	72	8640 lm	120-277V UNV	0-10V DIMMING	THIS FIXTURE PROVIDES 720 LM/FT AND 6 W/FT. CONTRACTOR TO VERIFY FINISH WITH ARCHITECT AND TO COORDINATE TRIM OPTION WITH CEILING THCKNESS.
R12B	HALLWAY LEVEL 2	RECESSED LED 2" WIDE AND 12' LONG AND 4.75" DEEP FLUSH LENSED LINEAR LUMINAIRE WITH INTEGRAL DRIVER. FIXTURE IS IC RATED	PRUDENTIAL LIGHTING	P23	ASSYMETRIC DISTRIBUTION- ACRYLIC WALL WASH LENS WITH PERIMETER FILL DISTRIBUTION	3500K	90CRI	78	7200 lm	120-277V UNV	0-10V DIMMING	THIS FIXTURE PROVIDES 800 LM/FT AND 6.5 W/FT. CONTRACTOR TO VERIFY FINISH WITH ARCHITECT AND TO COORDINATE TRIM OPTION WITH CEILING THCKNESS.
R13	HALLWAY LEVEL 2	SAME AS R04 EXCEPT 13'-0" LONG, CEILING SYSTEM VARIES, AND WITH ASYMMETRIC THROW	PRUDENTIAL LIGHTING	P23	ASSYMETRIC DISTRIBUTION	3500K	90CRI	84.5	7800 lm	120-277V UNV	0-10V DIMMING	THIS FIXTURE PROVIDES 800 LM/FT AND 6.5 W/FT. CONTRACTOR TO VERIFY FINISH WITH ARCHITECT AND TO COORDINATE TRIM OPTION WITH CEILING THCKNESS.
R16	CLASSROOMS	SAME AS R04 EXCEPT 16'-0" LONG AND CEILING SYSTEM VARIES	PRUDENTIAL LIGHTING	BIONIC PRO 4	BATWING DISTRIBUTION	3500K	90CRI	96	11520 lm	120-277V UNV	0-10V DIMMING	THIS FIXTURE PROVIDES 720 LM/FT AND 6 W/FT. CONTRACTOR TO VERIFY FINISH WITH ARCHITECT AND TO COORDINATE TRIM OPTION WITH CEILING THCKNESS.
S02	COMMONS	SUSPENDED LED CYLINDER WITH 2" DIAMETER AND 9" LONG WITH 1" REGRESSED LENS AND INTEGRAL DRIVER	LUMENWERX	VOILA	40 DEGREE FLOOD DISTRIBUTION	3500K	90CRI	14	1200 lm	120-277V UNV	0-10V DIMMING	LUMINAIRE MOUNTING HEIGHT TO BE COORDINATED WITH INTERIOR ELEVATIONS. TEXTURED MATTE BLACK FINISH IS SPECIFIED. CONTRACTOR TO VERIFY FINISH WITH ARCHITECT.
S03	DANCE MOUNTED AT TBD	SAME AS S02 EXCEPT IN LOWER LUMEN OUTPUT	LUMENWERX	VOILA	40 DEGREE FLOOD DISTRIBUTION	3500K	90CRI	7	800 lm	120-277V UNV	0-10V DIMMING	LUMINAIRE MOUNTING HEIGHT TO BE COORDINATED WITH INTERIOR ELEVATIONS. TEXTURED MATTE BLACK FINISH IS SPECIFIED. CONTRACTOR TO VERIFY FINISH WITH ARCHITECT.
W01	SITE	SURFACE MOUNTED LED FLOOD LIGHT 8.5" HIGH, 17" WIDE, AND 10.2" DEEP PROFILE. FIXTURE IS DLC RATED WITH INTEGRAL PHOTOCCELL SENSOR.	LITHONIA	WST LED	VISUAL COMFORT WIDE DISTRIBUTION	3000K	80CRI	11	1500 lm	120V	NON-DIM	BLACK FINISH IS SPECIFIED. CONFIRM FINISH WITH ARCHITECT. FIXTURE IS MOUNTED AT 8'-0" HEIGHT. CONTRACTOR TO VERIFY MOUNTING HEIGHT WITH EXTERIOR ELEVATIONS.
W03	STAIRES	WALL MOUNTED LED DIRECT 4" WIDE AND 3' LONG AND 4" DEEP LENSED LINEAR LUMINAIRE WITH INTEGRAL DRIVER. FIXTURE IS IC, URG16 AND DLC RATED	PRUDENTIAL LIGHTING	BIONIC PRO 4	PERIMETER FILL DISTRIBUTION	3500K	90CRI	12	1500 lm	120-277V UNV	0-10V DIMMING	THIS FIXTURE PROVIDES 720 LM/FT AND 6 W/FT. CONTRACTOR TO VERIFY FINISH WITH ARCHITECT AND TO COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL INTERIOR ELEVATIONS.
W08	RESTROOMS	WALL MOUNTED LINEAR DIRECT/ INDIRECT REVEALED LENS LED FIXTURE IN 8'-0" LENGTH AND NOMINAL 4" WIDE AND 4" HIGH WITH INTEGRAL DRIVER	PRUDENTIAL LIGHTING	BIONIC PRO 4	DIRECT- PERIMETER FILL, INDIRECT-SOFT ASYMMETRIC CEILING WASH DISTRIBUTION	3500K	90CRI	64	13875 lm	120-277V UNV	0-10V DIMMING	THIS FIXTURE PROVIDES 8 W/FT AND 1000 LM/FT. FIXTURE TO BE MOUNTED AT 8'-0" A.F.F. CONTRACTOR TO VERIFY FINISH WITH ARCHITECT.
W10	DANCE	SAME AS W03 EXCEPT 10'-0" LONG	PRUDENTIAL LIGHTING	BIONIC PRO 4	PERIMETER FILL DISTRIBUTION	3500K	90CRI	40	5000 lm	120-277V UNV	0-10V DIMMING	THIS FIXTURE PROVIDES 720 LM/FT AND 6 W/FT. CONTRACTOR TO VERIFY FINISH WITH ARCHITECT AND TO COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL INTERIOR ELEVATIONS.
W13	RESTROOMS MOUNTED AT 8'	SAME AS W08 EXCEPT 13'-0" LONG	PRUDENTIAL LIGHTING	BIONIC PRO 4	DIRECT- PERIMETER FILL, INDIRECT-SOFT ASYMMETRIC CEILING WASH DISTRIBUTION	3500K	90CRI		13000 lm	120-277V UNV	0-10V DIMMING	THIS FIXTURE PROVIDES 8 W/FT AND 1000 LM/FT. FIXTURE TO BE MOUNTED AT 8'-0" A.F.F. CONTRACTOR TO VERIFY FINISH WITH ARCHITECT.
W15	RESTROOMS MOUNTED AT 8'	SAME AS W08 EXCEPT 15'-0" LONG	PRUDENTIAL LIGHTING	BIONIC PRO 4	DIRECT- PERIMETER FILL, INDIRECT-SOFT ASYMMETRIC CEILING WASH DISTRIBUTION	3500K	90CRI	120	15000 lm	120-277V UNV	0-10V DIMMING	THIS FIXTURE PROVIDES 8 W/FT AND 1000 LM/FT. FIXTURE TO BE MOUNTED AT 8'-0" A.F.F. CONTRACTOR TO VERIFY FINISH WITH ARCHITECT.

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MAHLUM ARCHITECTS INC

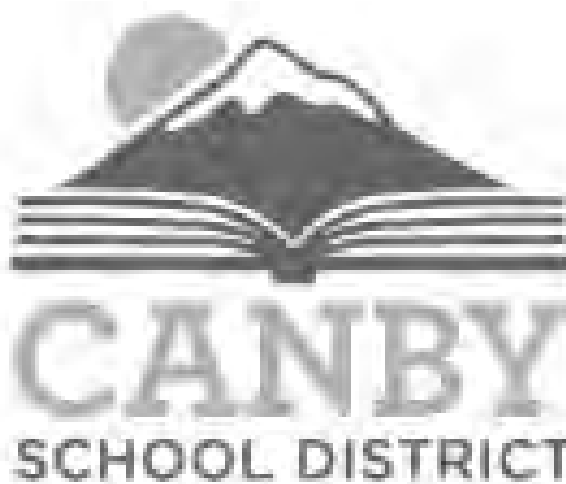


FOR REFERENCE ONLY

CANBY SCHOOL DISTRICT

CANBY HS - NEW CLASSROOM  
WING & CAMPUS IMPROVEMENTS

CANBY HIGH SCHOOL  
721 SW 4TH AVE, CANBY, OR 97013



MARK DATE DESCRIPTION

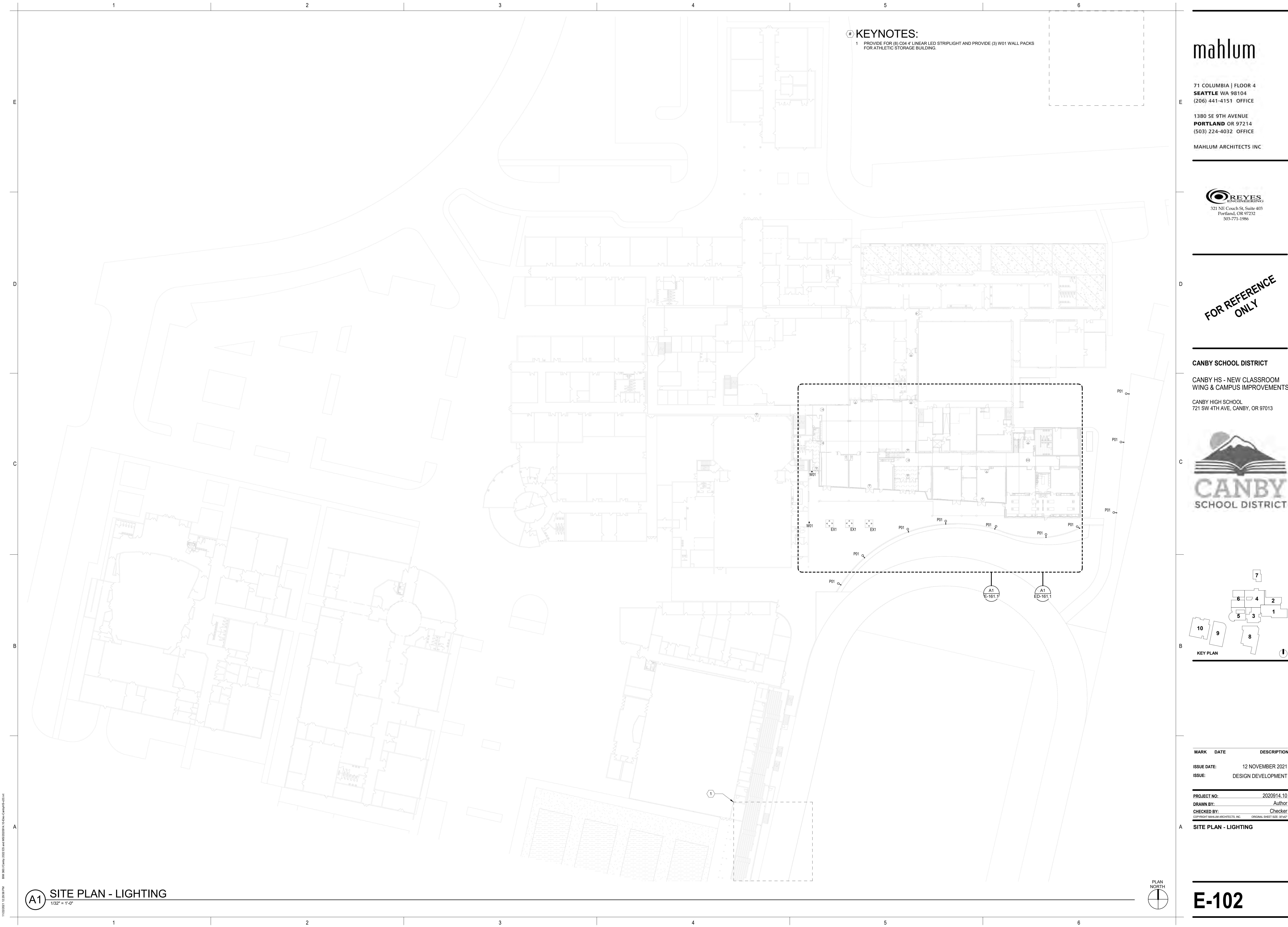
ISSUE DATE: 12 NOVEMBER 2021  
ISSUE: DESIGN DEVELOPMENT

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LUMINAIRE SCHEDULE

E-002





# KEYNOTES:

- 1 PROVIDE FOR (8) C04 4" LINEAR LED STRIPLIGHT AND PROVIDE (3) W01 WALL PACKS FOR ATHLETIC STORAGE BUILDING.

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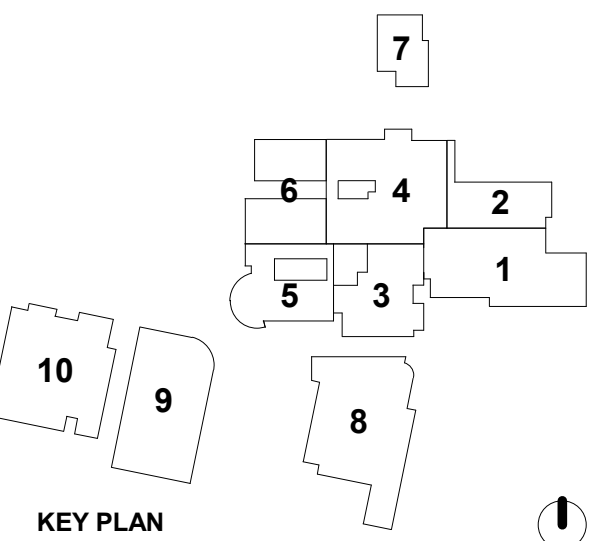
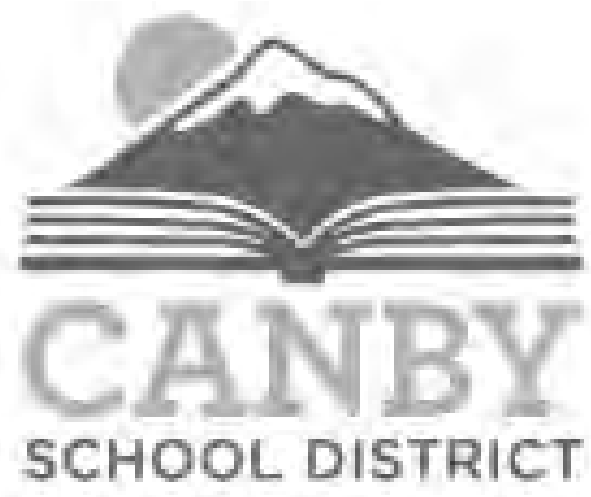
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CANBY HS - NEW CLASSROOM  
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MARK	DATE	DESCRIPTION
ISSUE DATE:	12 NOVEMBER 2021	
ISSUE:	DESIGN DEVELOPMENT	
PROJECT NO.:	2020914.10	
DRAWN BY:	Author	
CHECKED BY:	Checker	
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SITE PLAN - LIGHTING

A1 SITE PLAN - LIGHTING  
1/32" = 1'-0"



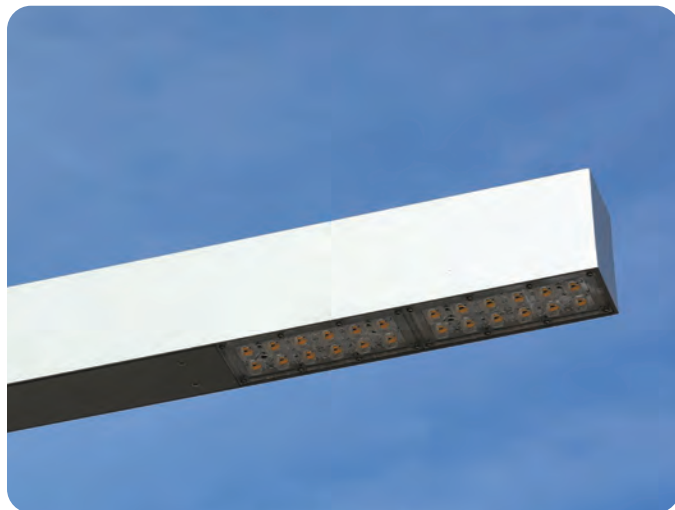
E-102

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# Lineal LED Luminaire

FIXTURE TYPE: \_\_\_\_\_

PROJECT NAME: \_\_\_\_\_



Lineal mounted on Structura Tilt pole.

## SPECIFICATIONS:

**CONSTRUCTION:** Seamless aluminum housing comprised of 6005A-T61 extrusion and 6061-T6 end plates. Gasketed aluminum electrical access cover attached with captive stainless steel hardware and safety cable.

**ELECTRICAL:** Integral Class P, 120-277V or 347-480V, dimmable constant current driver. Luminaire is pre-wired with watertight 5 conductor 18 gauge SJEOOW whip. 10kA surge suppression is standard with optional external 20kA surge suppression.

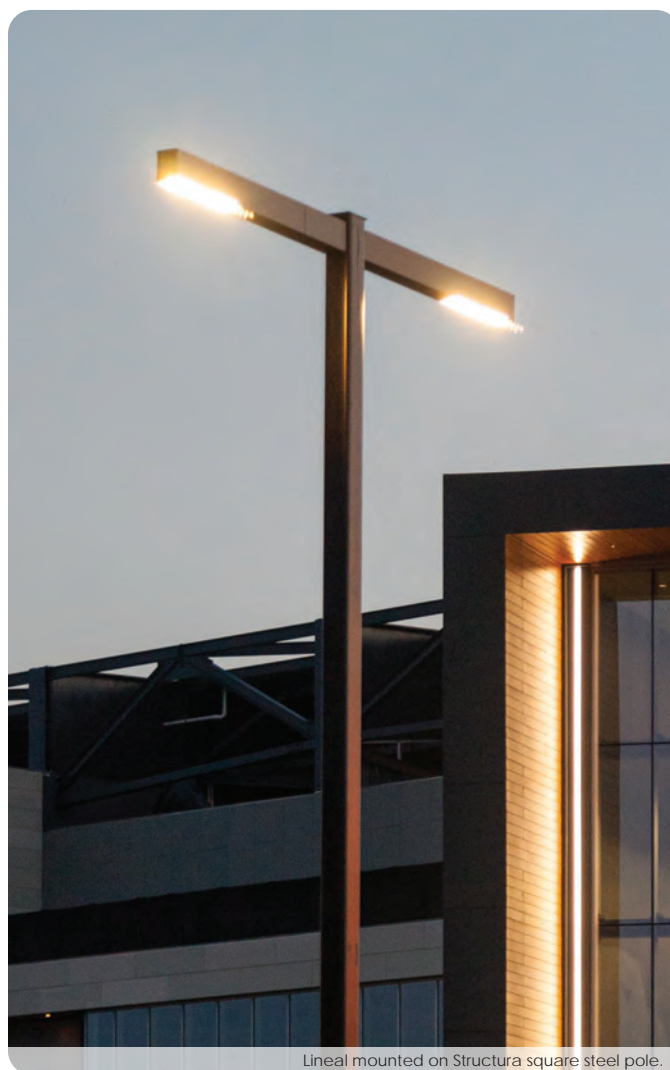
**OPTICAL SYSTEM:** LED boards have solderless connections for field upgradability. Available in CCT of 2700, 3000, 3500, and 4000K,, >80 CRI. Optics are UV resistant molded PMMA in Type II and IV distributions. Consult factory for additional lumen output, CCT, and optical distribution options. Operating temperature of -40°C to 50°C.

**CONTROLS:** Dimming through 0-10V input is standard. Available with integral motion sensor with photocell providing on/off and full light to dim control. Also available with wireless smart city control. See [SmartCity](#) control documentation for more information.

**FINISHES:** All aluminum parts are polyester powder coat painted to meet AAMA 2604 standards. See Structura's finish options for available colors.

**LISTINGS & RATINGS:** UL 1598 CSA listed luminaire tested to IESNA LM-79 and LM-80 standards. Reported L70 > 50,000 hours. Calculated L70 > 100,000 hours. Bug rating: B1-U0-G1.

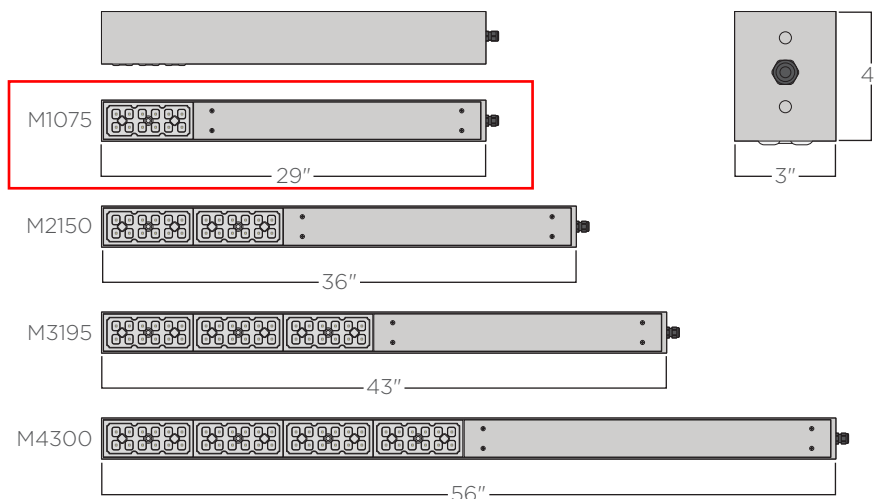
**WARRANTY:** 5-year warranty on LED and drivers.



Lineal mounted on Structura square steel pole.







mA	Wattage	CRI	2700K		3000K		3500K		4000K		EPA	Weight
			Lumen <sup>(1)</sup>	Efficacy	Lumen <sup>(1)</sup>	Efficacy	Lumen <sup>(1)</sup>	Efficacy	Lumen <sup>(1)</sup>	Efficacy		
750	40	>80	4164	103.3	4266	105.9	4437	110.1	4620	114.6	0.81ft <sup>2</sup>	12.3lbs.
1500	76	>80	8327	109.6	8532	112.3	8837	116.8	9240	121.6	1.00ft <sup>2</sup>	14.2lbs.
1950	95	>80	10825	113.9	11091	116.8	11535	121.4	12012	126.4	1.19ft <sup>2</sup>	16.2lbs.
3000	152	>80	16653	109.6	17063	112.3	17745	116.7	18479	121.6	1.55ft <sup>2</sup>	20.7lbs.

### ORDERING GUIDE: EXAMPLE: LIN-M2150-UNV-L30-3-C4-SP-WC-MS/L3-STD

LIN								
1	2	3	4	5	6	7	8	9

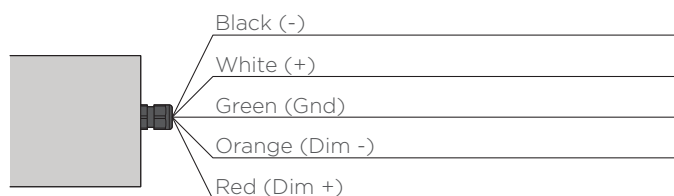
1	Series	4	Color Temperature	7	Mounting
LIN	Lineal	L27	2700K <sup>(3)</sup>	SP	Structura Pole <sup>(5)</sup>
2	Output <sup>(2)</sup>	L30	3000K <sup>(3)</sup>	ST	Square Steel Pole by Structura <sup>(6)</sup>
M1075	750mA	L35	3500K	NA	Pole by Others
M2150	1500mA	L40	4000K	8	Options
M3195	1950mA	5	Distribution <sup>(4)</sup>	WC	Wireless Control <sup>(7)</sup>
M4300	3000mA	2	Type II	MS/L*	Motion Sensor/Photocell <sup>(8)</sup>
3	Voltage	4	Type IV	SS	20kA Surge Suppressor <sup>(9)</sup>
UNV	120-277V	6	Metal Finish	HSS	House-Side Shield
HIGH	347-480V	C*	See color options on finishes technical sheet	9	Special
		CSM	Custom Color	STD	Standard
				MOD	Modified

VERIFY WITH  
ARCHITECT

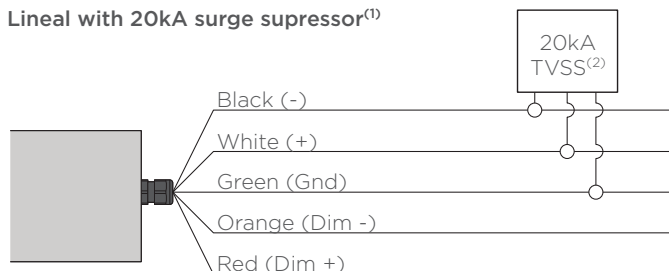
1. Lumen output based upon Type II distribution.
2. Contact factory for alternative output options.
3. 2700K or 3000K color temperature required for IDA certification.
4. Consult factory for other distribution options.
5. Structura pole specification sheet must be completed showing mounting locations and quantities as a separate item.
6. Specify steel pole on page 162 as separate item.
7. Synapse Wireless site gateway controller must be ordered separately. Please contact factory for design assistance.
8. Specify coverage pattern (see page 161 for detail). Requires wireless handheld configuration tool.
9. 20kA surge suppressor is only available when pole is supplied by Structura. 10kA surge suppressor supplied as standard in the fixture.

# Lineal LED Luminaire

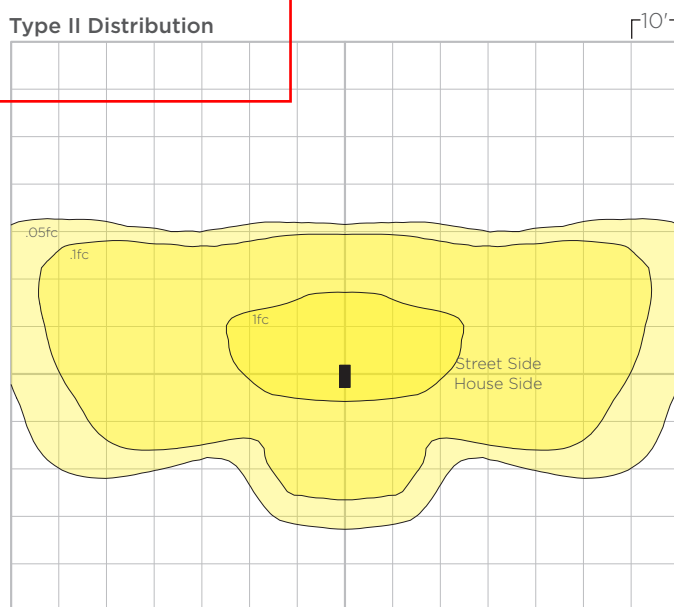
Lineal with standard wiring<sup>(1)</sup>



Lineal with 20kA surge supressor<sup>(1)</sup>

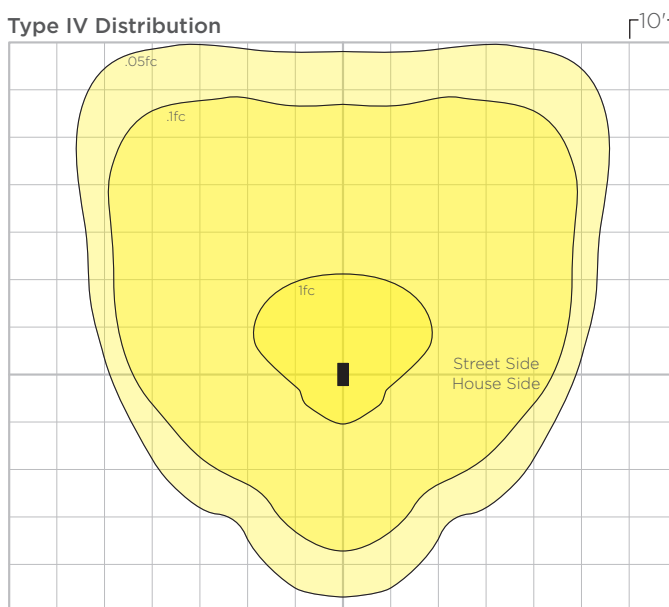


Type II Distribution



LIN-M1075-UNV-L30-2-C(X)-XX-STD mounted at 16'

Type IV Distribution



LIN-M175-UNV-L30-4-C(X)-XX-STD mounted at 16'

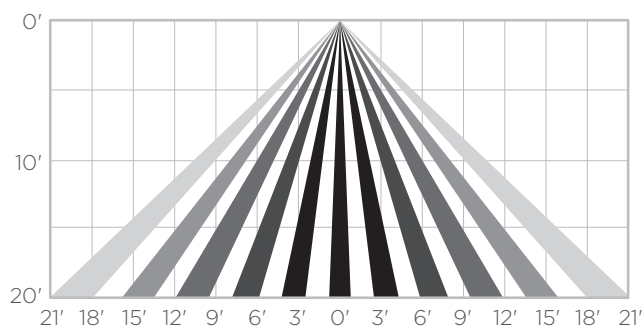
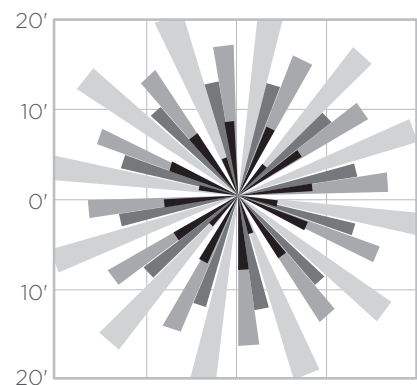
[IES file download](#)

1. All fixtures are provided with 5 conductor 18ga. SJEOOW whip based upon pole height. Cap dimming if it is not required.  
2. 20kA surge suppressors and step down transformers are mounted in pole base when pole is supplied by Structura.

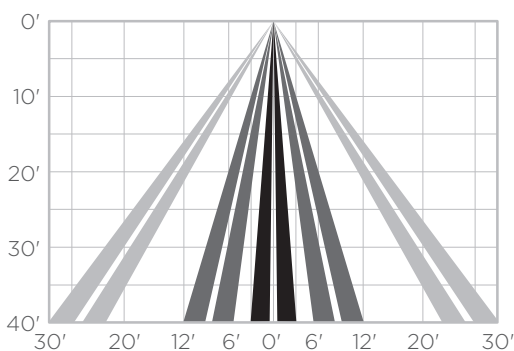
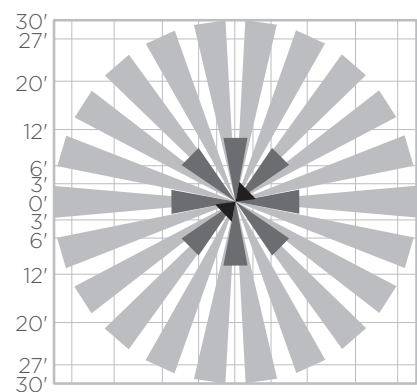


# Lineal Motion Sensor Coverage

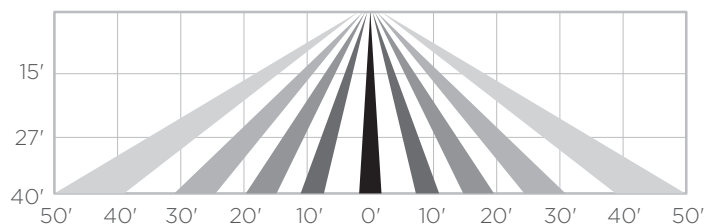
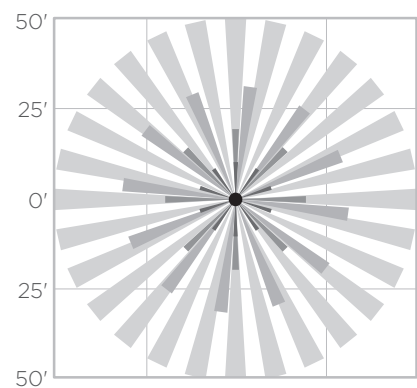
**Motion Sensor Type L3 (ordering code MS/L3)**



**Motion Sensor Type L4 (ordering code MS/L4)**



**Motion Sensor Type L7 (ordering code MS/L7)**





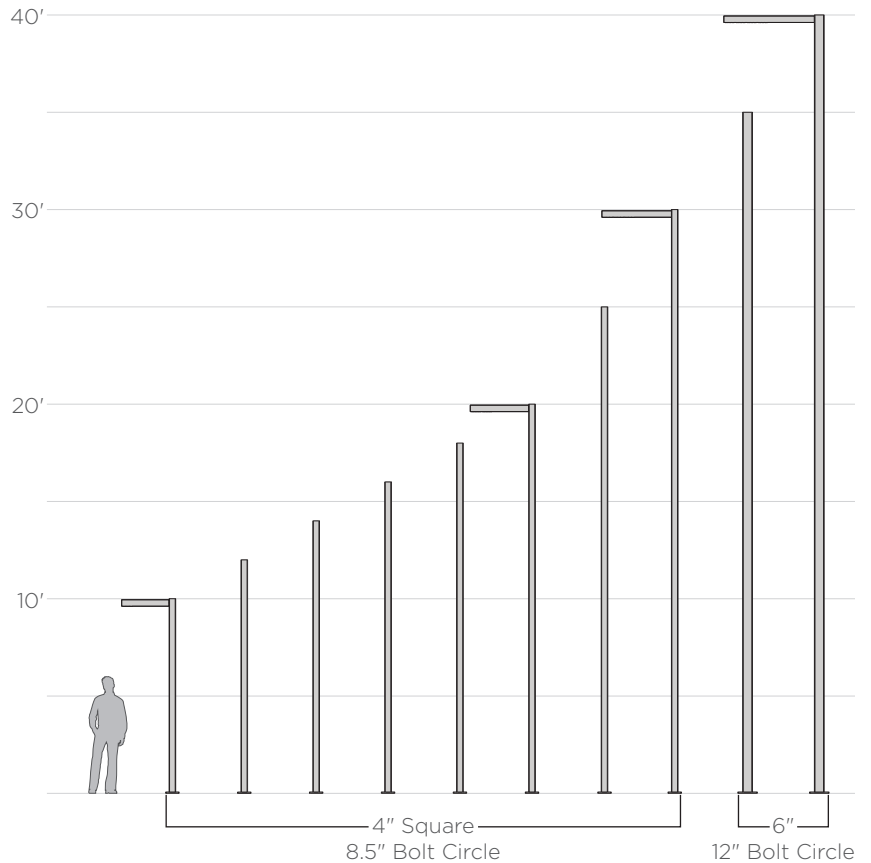
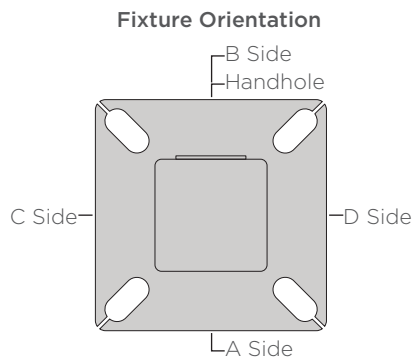
# ST Straight Square Steel Pole

FIXTURE TYPE: \_\_\_\_\_

PROJECT NAME: \_\_\_\_\_

## FEATURES:

- Heights available from 10 to 40'
- Galvanized then polyester powder coat painted (AAMA 2604 standard)
- Supplied with a two piece casted aluminum base cover
- Multiple mounting options



## ORDERING GUIDE: EXAMPLE: ST-20-C7-A20-B12-STD

ST								
1	2	3	4	5	6	7	8	9

1	Series	4	A Side Fixture Mounting Height	7	D Side Fixture Mounting Height
ST	Square Steel Pole	Blank	No fixture on this side	Blank	No fixture on this side
2	Pole Height	A10	10' A Side	D**	Specify
10	10'	A12	12' A Side	8	Options
40	40'	A**	Specify	BNR	Banner <sup>(1)</sup>
**	Specify	5	B Side Fixture Mounting Height	GFCI	GFCI Box
3	Pole Finish	Blank	No fixture on this side	VD	Vibration Dampener
****	See color options on finishes technical sheet	B**	Specify	9	Special
CSM	Custom Color	6	C Side Fixture Mounting Height	STD	Standard
		Blank	No fixture on this side	MOD	Modified
		C**	Specify		

1. Consult factory for allowable EPA for banners.

PER ARCHITECT

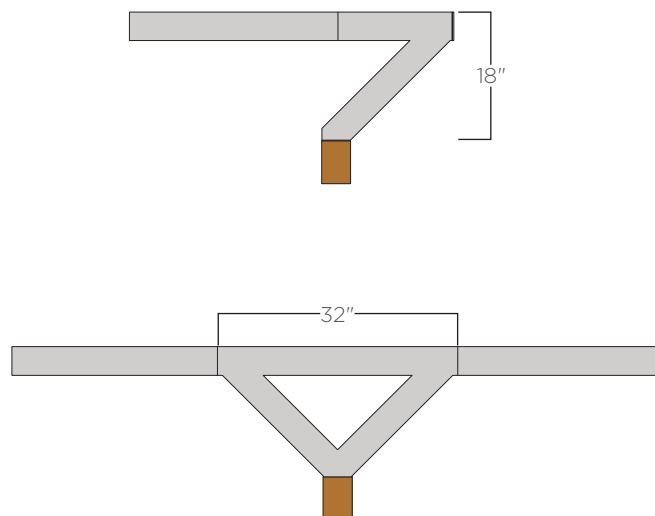


# Lineal

## Lineal Post Top Mounting Arm

FIXTURE TYPE: \_\_\_\_\_

PROJECT NAME: \_\_\_\_\_



Aluminum mounting arm designed to mount the Lineal luminaire to Structura wood poles.

### FEATURES:

- Easy bolt plate mounting attachment
- Pole top connection with two different connection appearances and styles
- Smooth transition from luminaire<sup>1)</sup> to mounting arm

### SPECIFICATIONS:

**CONSTRUCTION:** Welded aluminum 6061-T6 extrusion and plates.

**FINISHES AND MATERIALS:** All metal parts are polyester powder coat painted.

**HARDWARE:** All fasteners are stainless steel.

**ELECTRICAL:** Electrical raceway through center of arm connecting to pole.

### ORDERING GUIDE: EXAMPLE: LIN PT-SNGL

1	2

1	Series	2	Arm
LIN PT	Lineal Post Top	SNGL DBL	Single Double

1. For use with Lineal M1075, M2150, and M3195





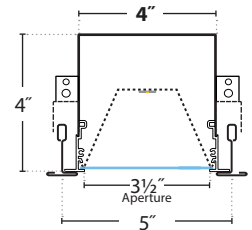
# BionicPro4™ | Recessed Linear

ER04, ER06, ER08



PRUDENTIAL LTG.

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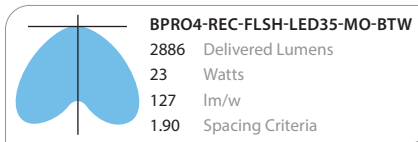


## Technical Questions



CLICK HERE

**What distinguishes BionicPro?** 2" - 3" - 4" - 5" luminaires with a seamless lens for clean lines of light and no light leaks, anywhere. Fantastic optical performance via our TruBeam™ technology delivering the industry's best batwing with remarkably soft, even illumination and low glare (UGR <19), a vastly improved Ceiling Wash, two wall washes to fit your design intent, our Perimeter Fill to wash corridors with light from one side, all with just a lens change.



UPTO 127 LM/W

	LO	MO	SO	HO
<b>BTW</b> Lm/Ft	490	720	1000	1250
<b>SAL</b> Lm/Ft	460	685	945	1185
<b>WWF</b> Lm/Ft	500	750	1025	1325
<b>WWG</b> Lm/Ft	500	750	1000	1275
<b>W/Ft</b>	4	6	8	10.5

LUMEN CHART AT 3500K-80 CRI

CONSULT  
FACTORY  
FOR



**UGR16**  
WELL Building  
Standard



Made in the  
**USA**

Lumen output may vary +/- 5%  
**Light Loss Factor (LLF) for CCTs other than 3500K:**  
 4000K +2%, 3000K -5%, 2700K -20%  
 90 CRI -15% (3K, 3500K, 4K & 5K)  
 See LED Details PDF for more info

SERIES	LENS POSITION	LED COLOR	OUTPUT	NOMINAL LENGTH	TRIM COLOR	DISTRIBUTION	MOUNTING	CIRCUITING	VOLTAGE	CEILING SYSTEMS	DRIVERS	OPTIONS & CONTROL SENSORS
BPro4-REC	FLSH			VARIES				SC		VARIES		
Bion-icPro4	FLSH Flush Lens	LED27 2700K (90CRI) LED3 3000K LED35 3500K LED4 4000K LED3-90 90CRI LED35-90 90CRI LED4-90 90CRI LED5-90 90CRI	LO Low MO Medium SO Standard HO High PROG Programmable Light Output (Specify desired lm/ft or w/ft)	2' 3' 4' 5' 6' 7' 8' R (Row Length, 1/16" increments) <b>NOTE:</b> Individual fixtures are NOT intended for row mounting	TMW Textured Matte White (Standard) YGW Gloss White Y Premium Color CC Custom Color	SAL Satin Lens BTW Batwing WWF Flat Wall Wash WWG Focal Glow Wall Wash MGZ Medium Wall Graze	LP Light Pocket WTW Wall to Wall (See page 5 for details)	SC Single Circuit	UNV (120-277) 120 277 347 (Emergency battery requires a Step Down transformer and remote box)	X1 T-Bar 1 1/16" X1M T-Bar 1/16" X1T 1 1/16" T-Bar Tegular X2 Dimensional T-Bar Armstrong Interlude® X3 Hard Ceiling (Flange Trim) X6 Slot Grid X7 Mud-Over Flange X9 Finished Extruded Side (Wood, metal pan or other ceiling systems)	ND Non-Dimming DM01 0-10v, 1% Dimming LDE1 Lutron Hi-lume 1% EcoSystem LED (Soft fade on, fade-to-black dimming, non-IC Rated at 50) ECO 1% 0-10v, EldoLED (Logarithmic dimming std) ECDA 1% DALI, EldoLED (Logarithmic dimming std) SOLO 0.1% 0-10v, EldoLED (Dim-to-dark, Logarithmic dimming std) SODA 0.1% DALI, EldoLED (Dim-to-dark, Logarithmic dimming std) STEP Signify Advance Step Dimming <b>NOTE:</b> May require Insulation Detector (ID), see page 6	EMHE Emergency Battery (1250 Delivered lumens, CA Title 20 compliant) ETS-DR Iota ETS-DR Emergency Transfer Switch † Non-IC rated with ALL drivers, NA with UNV voltage, Adds 1 1/2" height, see page 6 EMC Emergency Circuiting IDSIM Insulation Detector Side Mount (for plenums <6" where fixtures are non-IC rated) CP Chicago Plenum OMB Overhead Mounting Bracket X3, X7 and X9 optional installation (2x per fixture) <b>SENSORS:</b> 205 WattStopper PIR 205-ON/OFF 205-STEP: Dim to 50% 205-DM: Dim to 1% ENL Enlighted SU-5E-IOT LUX Phillips DL <b>CORNERS:</b> C2-60 Lit 60° C2-90 Lit 90° C2-120 Lit 120° C2-135 Lit 135° C3T Lit 90° 3-Way: T C3Y Lit 120° 3-Way: Y C4T Lit 90° 4-Way: + C4X Lit 45°-135° 4-Way: X C8I Lit 90° Wall to Ceiling: INSIDE C8O Lit 90° Wall to Ceiling: OUTSIDE LRT Linear to Recessed Transition



## DISTRIBUTIONS:

### SATIN LENS

#### Medium Output:

BPRO4-REC-FLSH-LED35-MO-SAL

2740 Delivered Lumens

23 Watts

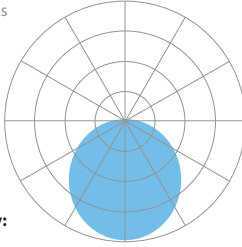
120 lm/w

3500 CCT

1.22 Spacing Criteria

Test

#104013131LAX-003F



#### Zonal Lumen Summary:

0-90 = 100%

Vertical Angle	0°	25°	45°	65°	90°
0°	986	986	986	986	986
5°	980	980	977	982	982
15°	934	935	934	942	943
25°	852	852	854	865	869
35°	742	742	746	760	463
45°	613	612	617	630	639
55°	472	471	477	488	497
65°	323	323	329	339	348
75°	175	175	181	190	198
85°	37	37	42	49	56
90°	0	0	0	0	0

### BATWING

#### Medium Output:

BPRO4-REC-FLSH-LED35-MO-BTW

2886 Delivered Lumens

23 Watts

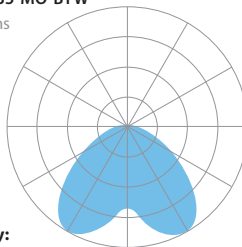
127 lm/w

3500 CCT

1.90 Spacing Criteria

Test

#104013131LAX-003B



#### Zonal Lumen Summary:

0-90 = 100%

Vertical Angle	0°	25°	45°	65°	90°
0°	721	721	721	721	721
5°	773	765	742	724	714
15°	996	961	854	724	655
25°	1110	1074	933	698	561
35°	1084	1057	925	634	463
45°	906	907	824	533	378
55°	612	640	635	411	306
65°	360	381	402	287	235
75°	183	192	204	170	154
85°	48	49	55	55	55
90°	0	0	0	0	0

### LUMEN MAINTENANCE

**L70** — 200,000+ Hours

**L90** — 100,000+ Hours (LO, MO & SO)

**L90** — 60,000+ Hours (HO)

### LED SYSTEM

LED modules and drivers are field replaceable.

### PROG

(OPTIONAL)

Programmable light output. Specify desired lumens or watts per linear foot.

### BINNING

Standard binning (all Prudential LED boards) includes testing at the chip level and board integration to provide consistent color temperature within a 3-step MacAdams ellipse, with +/- 5% lumen output range and +/- .004 Duv.

### LABELS

ETL damp labeled and I.B.E.W. manufactured.

### ELECTRICAL

Must specify LED dimming controls. LED fixtures have constant current driver(s) with less than 20% THD when loaded to a minimum of 60%. Drivers sink a maximum of 6mA per driver. DM01 LED drivers are 0-10V dimmable and are compatible with most 0-10V wall slide dimmers and direct 0-10V analog signal dimmers. Max driver size 1.65" w x 1.25" h.

### CONSTRUCTION

#### Housing

Extruded aluminum trim and side wall >25% PC recycled, 100% recyclable.

20-gauge steel top housing >20% PC recycled, 100% recyclable.

#### Lens

Polymer, 100% recyclable.

#### Weight

4.5 lbs / ft.

### MOUNTING

Recessed into drywall or t-bar ceilings.

### WARRANTY

Single-source, 5 year limited warranty covers standard components and construction.

## UGR16

WELL Building Standard





**BionicPro4™**

**ER04, ER06, ER08**  
| Recessed Linear



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## DISTRIBUTIONS:

### FLAT WALL WASH

#### Standard Output:

BPRO4-FLSH-LED35-LO-4-WWF

2056 Delivered Lumens

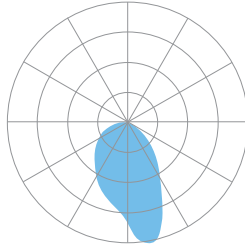
15.37 Watts

134 lm/w

3500 CCT

Test

104361023LAX-004B



1321

#### Zonal Lumen Summary:

0-90 = 100%

WALL SIDE	Vertical Angle	0°	25°	45°	65°	90°
	90°	0	0	0	0	0
	85°	22	23	25	27	28
	75°	75	82	91	96	93
	65°	135	159	181	201	185
	55°	224	274	316	393	346
	45°	372	457	526	668	533
	35°	625	736	821	944	670
	25°	967	1070	1140	1095	763
	15°	1321	1297	1257	1058	828
ROOM SIDE	5°	1065	1027	992	930	862
	0°	863	863	863	863	863
	5°	740	757	766	804	862
	15°	646	655	661	704	828
	25°	567	583	591	622	763
	35°	456	482	497	533	670
	45°	344	369	384	419	533
	55°	496	506	531	570	690
	65°	173	167	165	164	185
	75°	109	96	89	85	93
	85°	33	30	27	26	28
	90°	0	0	0	0	0
Vertical Angle		180°	202.5°	225°	247.5°	270°

### FOCAL GLOW WALL WASH

#### Low Output:

BPRO4-FLSH-LED35-LO-4-WWG

1989 Delivered Lumens

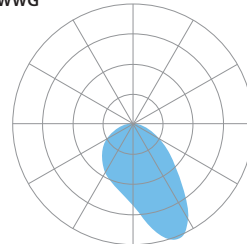
15 Watts

132 lm/w

3500 CCT

Test

104464711LAX-015



1059

#### Zonal Lumen Summary:

0-90 = 100%

WALL SIDE	Vertical Angle	0°	25°	45°	65°	90°
	90°	0	0	0	0	0
	85°	23	24	28	30	30
	75°	77	81	103	108	96
	65°	153	165	225	224	166
	55°	278	309	437	416	256
	45°	513	574	756	629	370
	35°	946	998	1014	746	487
	25°	1205	1165	1006	794	600
	15°	1022	997	910	810	693
ROOM SIDE	5°	844	836	810	779	739
	0°	747	747	747	747	747
	5°	644	658	810	779	739
	15°	518	525	543	595	693
	25°	458	461	468	497	600
	35°	408	409	411	417	475
	45°	403	403	405	416	487
	55°	291	284	262	244	256
	65°	222	210	183	160	166
	75°	137	130	104	92	96
	85°	42	42	33	29	30
	90°	0	0	0	0	0
Vertical Angle		180°	202.5°	225°	247.5°	270°

### MEDIUM WALL GRAZER

#### LOW OUTPUT:

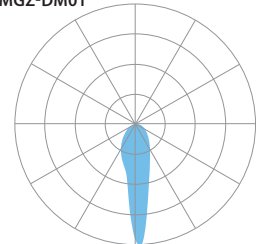
BPRO4-FLSH-LED35-LO-4-MGZ-DM01

1994 Delivered Lumens

15 Watts

133 lm/w

4000 CCT



2339

#### Zonal Lumen Summary:

0-90 = 100%

WALL SIDE	Vertical Angle	0°	25°	45°	65°	90°
	90°	0	0	0	0	0
	85°	32	32	26	25	27
	75°	106	101	84	89	93
	65°	175	162	148	179	189
	55°	219	213	226	311	380
	45°	274	282	315	471	722
	35°	358	371	413	663	1225
	25°	460	476	554	998	1782
	15°	662	724	961	1627	2172
ROOM SIDE	5°	1838	1951	2116	2338	2335
	0°	2339	2339	2339	2339	2339
	5°	1549	1574	1771	2066	2335
	15°	615	646	810	1337	2172
	25°	442	453	515	838	1782
	35°	349	358	394	587	1225
	45°	262	268	304	426	722
	55°	203	198	217	291	380
	65°	165	148	144	172	189
	75°	110	96	81	87	93
	85°	36	31	23	24	27
	90°	0	0	0	0	0
Vertical Angle		180°	202.5°	225°	247.5°	270°



**BionicPro4™**

**ER04, ER06, ER08**  
Recessed Linear



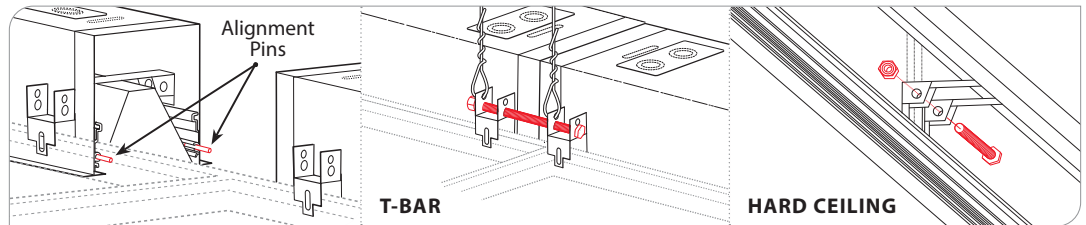
PRUDENTIAL LTG.

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YSW – Seashell White (Matte)	YCH – Champagne (Metallic)
YSL – Silver (Metallic)	YPE – Pewter (Matte)
YRG – Rain Grey (Gloss)	YSTM – Storm Grey (Matte)
YBK – Black (Matte)	YBB – Black (Semi Gloss)
YSKM – Sky (Matte)	YMB – Military Blue (Matte)
YIB – Interstate Blue (Matte)	YSAM – Sapphire (Matte)
YFGM – Forest Green (Matte)	YBR – Bronze (Matte)
YBY – Boysenberry (Matte)	YSRM – Sunset Red (Matte)
YOR – Orange (Matte)	YDAM – Daffodil (Matte)



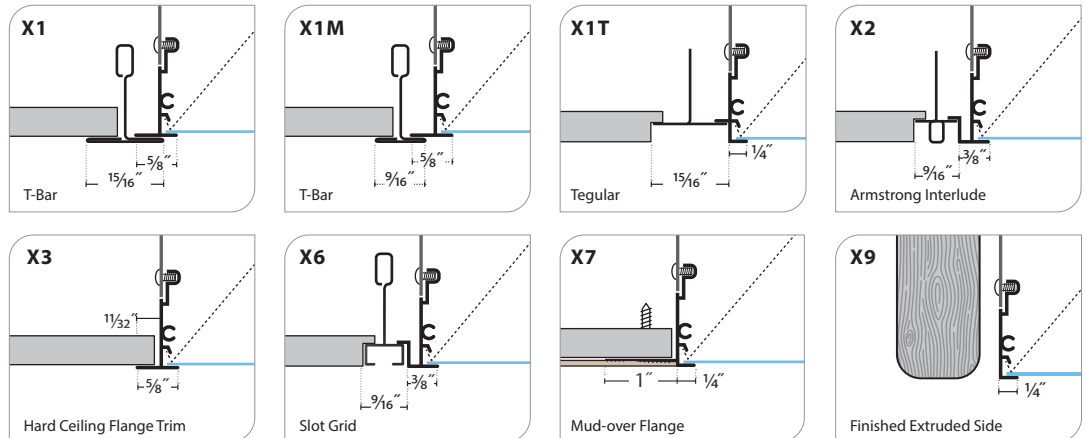
#### ADJOINING DETAILS



Choose from one of our Premium Colors with no set-up fee.

For paint chip samples, please email:  
[info@prulite.com](mailto:info@prulite.com)

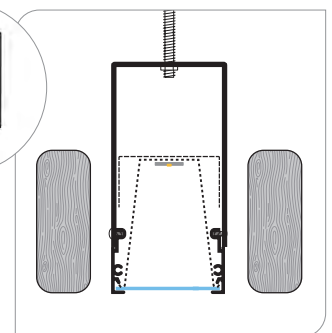
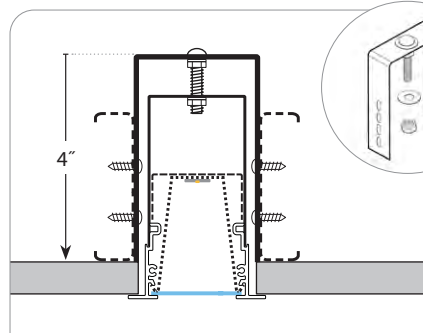
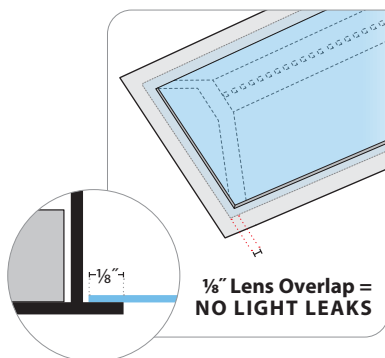
#### CEILING SYSTEMS



#### CAST ALUMINUM END CAPS

#### OVERHEAD MOUNTING BRACKETS (OMB)

#### X9 MOUNTING

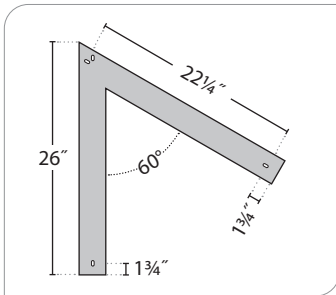




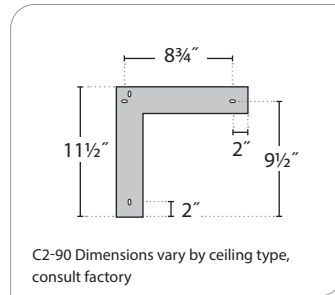


## Corners

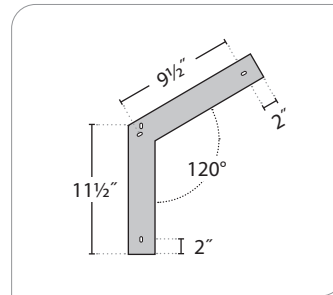
**C2-60:**



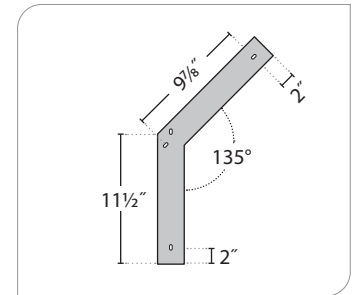
**C2-90:**



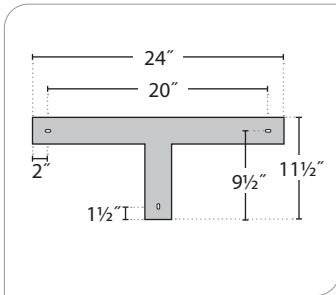
**C2-120:**



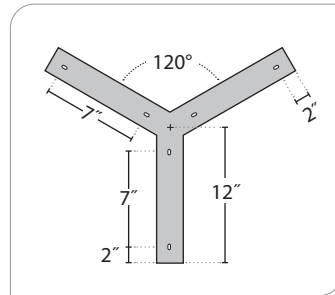
**C2-135:**



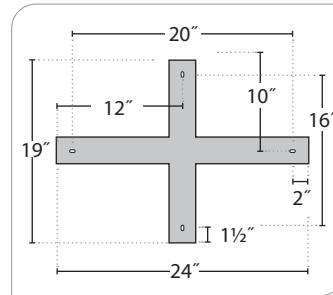
**C3T:**



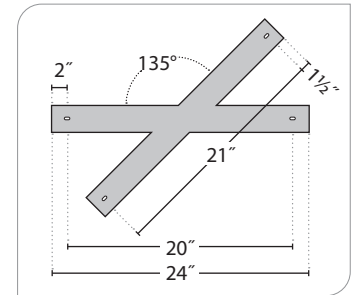
**C3Y:**



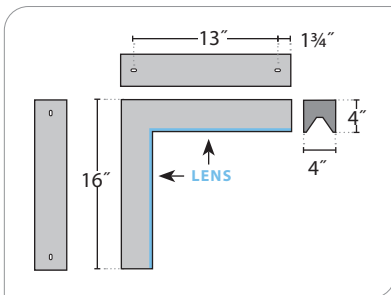
**C4T:**



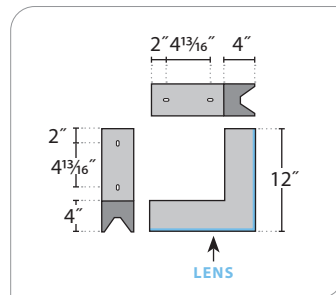
**C4X:**



**C8I:**

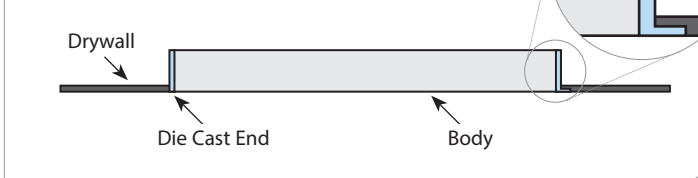


**C8O:**

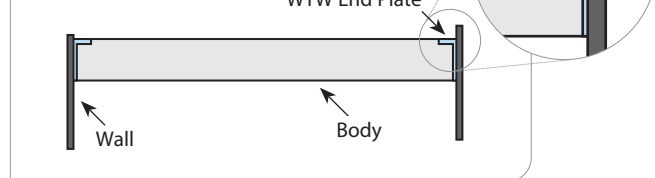


## MOUNTING

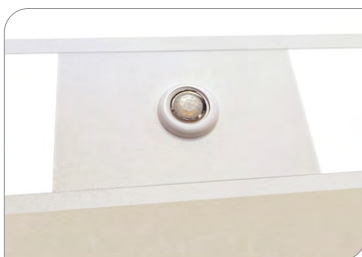
### LIGHT POCKET



### WALL-TO-WALL










## SENSOR PLATE

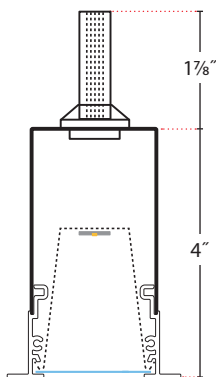




### SENSORS

						
<b>205:</b> Wattstopper	<b>ENL:</b> Enlighted Occupancy / Daylight	<b>LUX</b> Philips LUX Daylight Sensor	<b>LVOC</b> Lutron Occupancy / Daylight Sensor	<b>LVRF</b> Lutron Occupancy / Daylight Sensor	<b>NXSMP</b> Hubbell Occupancy / Daylight Sensor	<b>NLT</b> Acuity nES 7
Low voltage PIR fixture integrated occupancy sensor.	Enlighted Network Integrated/embedded networked lighting control, luminaire-level lighting control, LLC.  When configured as an IoT Node, the sensor streams comprehensive live data for use with Enlighted's real-time location and analytics software applications. This option is available directly from the factory or as a remote upgrade.  Wireless Internet.		Lutron VIVE Integrated/embedded networked lighting control, luminaire-level lighting control, LLC.  Designed to operate as part of a Vive lighting control system.  High-end trim, Wireless Internet.	Lutron VIVE Integrated/embedded networked lighting control, luminaire-level lighting control, LLC.  Designed to operate as part of a Vive lighting control system.  High-end trim, Wireless Internet.	Hubbell Integrated/embedded networked lighting control, luminaire-level lighting control, LLC..  PIR motion sensor for automatic On/Off control.  Integrated daylight sensor for daylight harvesting and/or lumen maintenance.  Bluetooth radio provides wireless control of luminaire.  Simple plug-in connection to NX Fixture Modules.  Wireless Internet.	PIR Occupancy Detection.  Optional integrated photocell enables daylight harvesting.  Optimized for eldoLED Drivers.  Communicates with nLight Network.

### INSULATION DETECTOR (ID) FOR NON-IC RATED FIXTURES



**Insulation Detector (ID) REQUIRED** for non IC-rated fixtures  
Non IC-rated = **NO INSULATION ALLOWED**

**ID REQUIRED for:**

Osram	ELDO	Lutron & Signify	EMHE / ETS	Custom Length*	EMHE / ETS + Custom Length
—	—	—	—	<b>HO</b>	<b>SO / HO</b>

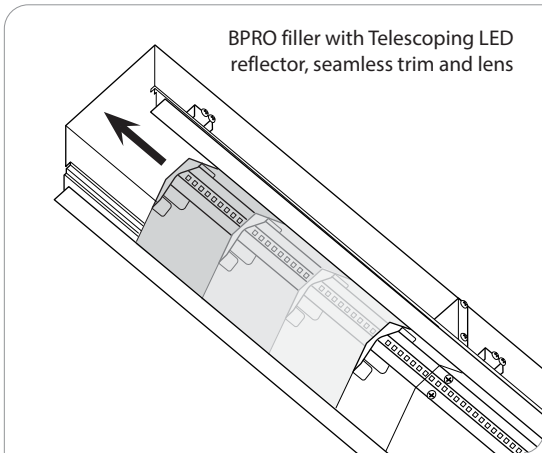
\* Custom length = field adjustable, not 1' increments

Request **Insulation Detector Side Mount (IDSM)** if plenum less than 6"



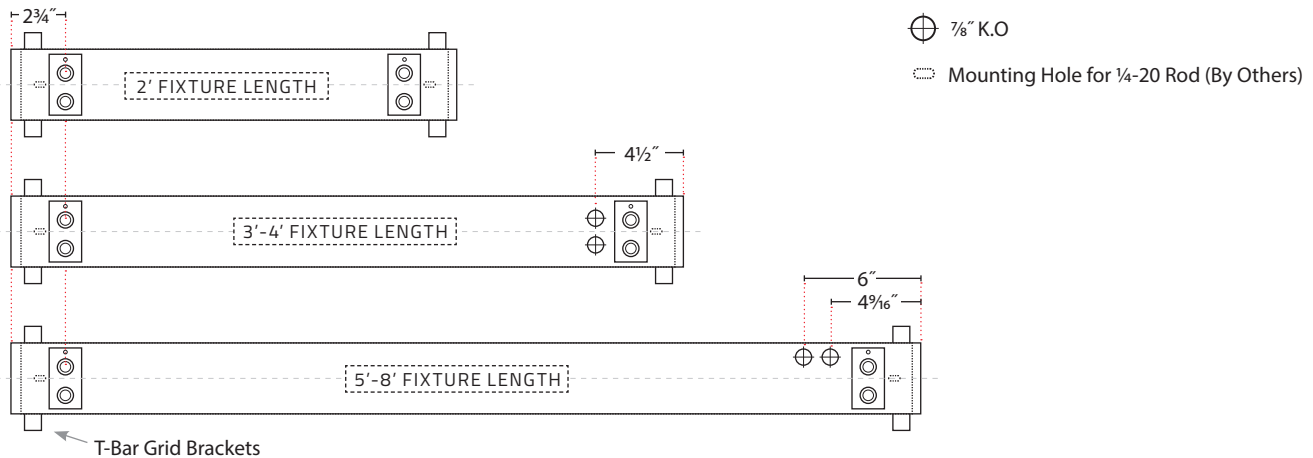


### TELESCOPING FILLER

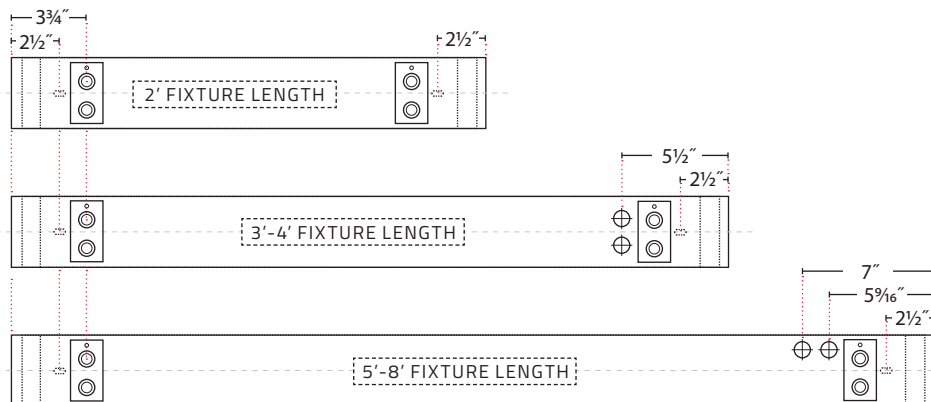


### MOUNTING LOCATIONS

#### T-BAR



#### HARD CEILING



#### ROUGH-IN DIMENSIONS:

LENGTH	WIDTH
NOMINAL ± 1/4"	
2'	25 1/4"
3'	37 1/4"
4'	49 1/4"
5'	61 1/4"
6'	73 1/4"
7'	85 1/4"
8'	97 1/4"

4 1/4"



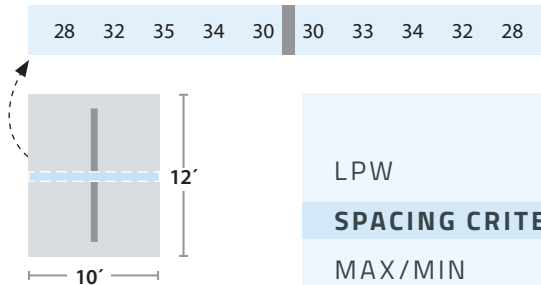
## BionicPro4 Batwing Vs. Top 4" Competitor (Satin Lens)

### SINGLE OFFICE

BionicPro4



Top Competitor



	BionicPro4	Competitor
LPW	127	113
<b>SPACING CRITERIA</b>	<b>1.9</b>	<b>1.2</b>
MAX/MIN	1.6	2.6
W/SQ. FT.	.38	.4
FC AVERAGE	27	29

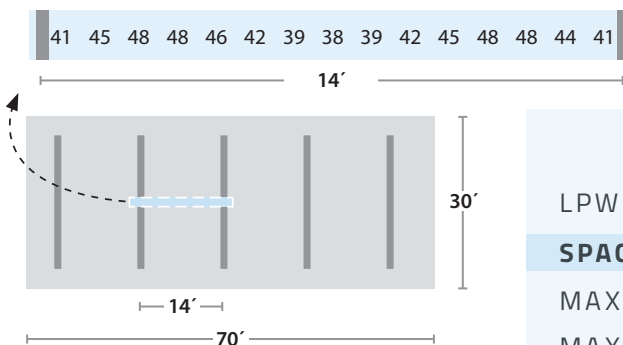
9' ceiling .85 l/f BionicPro4—5.7w/ft Competitor—6w/ft Footcandles at 30" working plane

### OPEN OFFICE

BionicPro4



Top Competitor



	BionicPro4	Competitor
LPW	127	117
<b>SPACING CRITERIA</b>	<b>1.9</b>	<b>1.2</b>
MAX/MIN	2.0	4.5
MAX/MIN BETWEEN ROWS	1.2	2.7
W/SQ. FT.	.36	.38
FC AVERAGE	36	37

9' ceiling .85 l/f BionicPro4—5.7w/ft Competitor—6w/ft Footcandles at 30" working plane

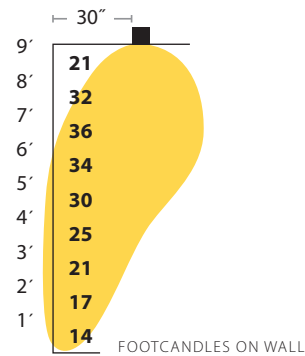




## Smooth, flat wall washing (WWF)

Our patent-pending Trubeam™ optics redirect light in an ideal flat wall wash for smooth, even illumination.

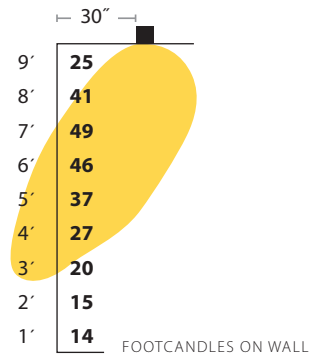
	Watts/ Ft.	Ceiling Height	Average Illuminance	Max/Min	Max/Min Ratio
Medium Output - 625 lumens/ft	6	9'	18	33/12	2.7



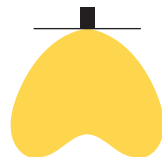
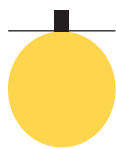
## Focal glow wall washing (WWG)

Pique interest by giving works of art 'pop' — more light at eye level

	Watts/ Ft.	Ceiling Height	Average Illuminance	Max/Min	Max/Min Ratio
Medium Output - 625 lumens/ft	6	9'	18	33/12	2.7



## BionicPro to Bionic/P23-43 Optics Crossing Matrix



	Satin	Batwing	Flat Wall Wash	Focal Glow Wall Wash
BionicPro	SAL	BTW	WWF	WWG
Bio2 / P23 = BionicPro3	SAL	MBW	MWW/D1W	—
Bionic4 / P43 = BionicPro4	SAL	ABW/D1X	—	AWL/D1W



**BionicPro4™**

**ER04, ER06, ER08**  
| Recessed Linear



PRUDENTIAL LTG.

PRULITE.COM 213.746.0360

**LM79 & TM30 DATA:**

	MEASURED CCT	MEASURED LUMENS	CRI	R9	DuV	SPD	TM30 — COLOR VECTOR	TM30 — COLOR DISTORTION
<b>LED27</b>	2680	80%	93	58	0.001		 89 Rf	 97 Rg
<b>LED3</b>	3042	95%	82	6	0.001		 81 Rf	 92 Rg
<b>LED3-90</b>	3016	85%	93	61	0.000		 88 Rf	 96 Rg
<b>LED35</b>	3482	100%	82	3	0.002		 81 Rf	 92 Rg
<b>LED35-90</b>	3417	85%	93	67	0.000		 88 Rf	 96 Rg
<b>LED4</b>	3952	102%	82	4	0.003		 81 Rf	 92 Rg
<b>LED4-90</b>	3882	85%	92	67	0.003		 87 Rf	 96 Rg
<b>LED5-90</b>	4889	85%	94	84	0.002		 86 Rf	 95 Rg





# WST LED

## Architectural Wall Sconce



W01

Catalog  
Number

Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

### Specifications

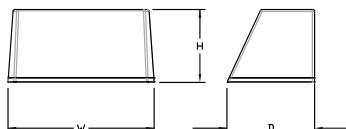
#### Luminaire

**Height:** 8-1/2"  
(21.59 cm)

**Width:** 17"  
(43.18 cm)

**Depth:** 10-3/16"  
(25.9 cm)

**Weight:** 20 lbs  
(9.1 kg)

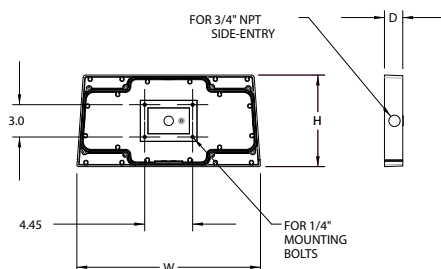


#### Optional Back Box (PBBW)

**Height:** 8.49"  
(21.56 cm)

**Width:** 17.01"  
(43.21 cm)

**Depth:** 1.70"  
(4.32 cm)

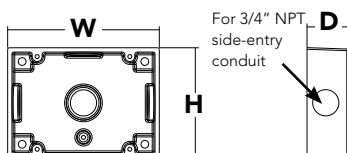


#### Optional Back Box (BBW)

**Height:** 4"  
(10.2 cm)

**Width:** 5-1/2"  
(14.0 cm)

**Depth:** 1-1/2"  
(3.8 cm)



### A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability<sup>1</sup>
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background<sup>1</sup>

To learn more about A+, visit [www.acuitybrands.com/aplus](http://www.acuitybrands.com/aplus).

See ordering tree for details.

A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: [Link to Roam](#); [Link to DTL DLL](#)



COMMERCIAL OUTDOOR

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WST-LED  
Rev. 11/02/20

## Ordering Information

EXAMPLE: WST LED P1 40K VF MVOLT DDBTXD

WST LED					
Series	Performance Package	Color temperature	Distribution	Voltage	Mounting
WST LED	<b>P1</b> 1,500 Lumen package P2 3,000 Lumen package P3 6,000 Lumen package	27K 2700 K <b>30K</b> 3000 K 40K 4000 K 50K 5000 K	VF Visual comfort forward throw <b>VW</b> Visual comfort wide	MVOLT <sup>1</sup> 277 <sup>2</sup> <b>120<sup>2</sup></b> 347 <sup>2</sup> 208 <sup>2</sup> 480 <sup>2</sup> 240 <sup>2</sup>	<b>Shipped included</b> (blank) Surface mounting bracket <b>Shipped separately</b> BBW Surface-mounted back box <sup>3</sup> PBBW Premium surface-mounted back box <sup>3,4</sup>

Options				Finish (required)
NLTAIR2 PIR	nLIGHT AIR Wireless enabled motion/ambient sensor for 8'-15' mounting heights <sup>5,6,7</sup>	E7WC	Emergency battery backup, CA Title 20 Noncompliant (cold, 7W) <sup>7,12</sup>	DDBXD Dark bronze
NLTAIR2 PIRH	nLIGHT AIR Wireless enabled motion/ambient sensor for 15'-30' mounting heights <sup>5,6,7</sup>	E7WHR	Remote emergency battery backup, CA Title 20 Noncompliant (remote 7W) <sup>7,13</sup>	<b>DBLXD</b> Black
<b>PE</b>	Photoelectric cell, button type <sup>8</sup>	E20WH	Emergency battery pack 18W constant power, Certified in CA Title 20 MAEDBS <sup>7</sup>	DNAXD Natural aluminum
PER	NEMA twist-lock receptacle only (controls ordered separate) <sup>9</sup>	E20WC	Emergency battery pack -20°C 18W constant power, Certified in CA Title 20 MAEDBS <sup>7,12</sup>	DWHXD White
PER5	Five-wire receptacle only (controls ordered separate) <sup>9</sup>	E23WHR	Remote emergency battery backup, CA Title 20 Noncompliant (remote 20W) <sup>7,12,14</sup>	DSSXD Sandstone
PER7	Seven-wire receptacle only (controls ordered separate) <sup>9</sup>	LCE	Left side conduit entry <sup>15</sup>	DDBTXD Textured dark bronze
PIR	Motion/Ambient Light Sensor, 8'-15' mounting height <sup>5,6</sup>	RCE	Right side conduit entry <sup>15</sup>	DBLBXD Textured black
PIR1FC3V	Motion/ambient sensor, 8'-15' mounting height, ambient sensor enabled at 1fc <sup>5,6</sup>	<b>Shipped separately</b>		DNATXD Textured natural aluminum
PIRH	180° motion/ambient light sensor, 15'-30' mounting height <sup>5,6</sup>	RBPW	Retrofit back plate <sup>3</sup>	DWHGXD Textured white
PIRH1FC3V	Motion/ambient sensor, 15'-30' mounting height, ambient sensor enabled at 1fc <sup>5,6</sup>	VG	Vandal guard <sup>15</sup>	DSSTXD Textured sandstone
SF	Single fuse (120, 277, 347V) <sup>2</sup>	WG	Wire guard <sup>15</sup>	
DF	Double fuse (208, 240, 480V) <sup>2</sup>			
DS	Dual switching <sup>10</sup>			
DMG	0-10V dimming extend out back of housing for external control (control ordered separate) <sup>11</sup>			
E7WH	Emergency battery backup, Non CEC compliant (7W) <sup>7</sup>			

CONFIRM WITH ARCHITECT

## Accessories

Ordered and shipped separately.

WSTVCPBBW DDBXD U	Premium Surface - mounted back box
WSBBW DDBTXD U	Surface - mounted back box
RBPW DDBXD U	Retrofit back plate
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) <sup>17</sup>
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) <sup>17</sup>
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) <sup>17</sup>

## NOTES

- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Also available as a separate accessory; see accessories information.
- Top conduit entry standard.
- Not available with VG or WG. See PER Table.
- Reference Motion Sensor table.
- Not available with 347/480V.
- Need to specify 120, 208, 240 or 277 voltage.
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. Shorting Cap included.

- Not available with Emergency options, PE or PER options.
- DMG option not available with standalone or networked sensors/controls.
- Battery pack rated for -20° to 40°C.
- Comes with PBBW.
- Warranty period is 3-years.
- Not available with BBW.
- Must order with fixture; not an accessory.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See PER Table.

## Emergency Battery Operation

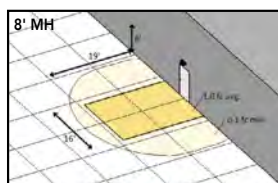
The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product.

All emergency backup configurations include an independent secondary driver with an integral relay to immediately detect AC power loss, meeting interpretations of NFPA 70/NEC 2008 - 700.16

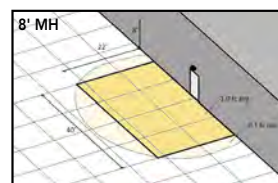
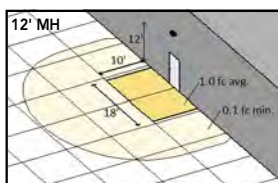
The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time supply power is lost, per International Building Code Section 1006 and NFPA 101 Life Safety Code Section 7.9, provided luminaires are mounted at an appropriate height and illuminate an open space with no major obstructions.

The examples below show illuminance of 1 fc average and 0.1 fc minimum of the P1 power package and VF distribution product in emergency mode.

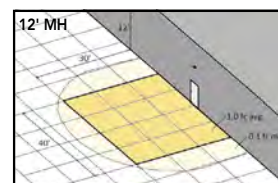
10' x 10' Gridlines  
8' and 12' Mounting Height



WST LED P1 27K VF MVOLT E7WH



WST LED P2 40K VF MVOLT E20WH





## Performance Data

## Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.03
10°C	50°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.98

## Electrical Load

Performance package	System Watts	Current (A)					
		120	208	240	277	347	480
P1	11	0.1	0.06	0.05	0.04	---	---
	14	---	---	---	---	0.04	0.03
P1 DS	14	0.12	0.07	0.06	0.06	---	---
P2	25	0.21	0.13	0.11	0.1	---	---
	30	---	---	---	---	0.09	0.06
P2 DS	25	0.21	0.13	0.11	0.1	---	---
P3	50	0.42	0.24	0.21	0.19	---	---
	56	---	---	---	---	0.16	0.12
P3 DS	52	0.43	0.26	0.23	0.21	---	---

## Projected LED Lumen Maintenance

Values calculated according to IESNA TM-21-11 methodology and valid up to 40°C.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.95	>0.92	>0.87

## Motion Sensor Default Settings

Option	Dimmed State	High Level (when triggered)	Photocell Operation	Ramp-up Time	Dwell Time	Ramp-down Time
*PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	3 sec	5 min	5 min
PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	3 sec	5 min	5 min

\*for use with site wide Dusk to Dawn control

## PER Table

Control	PER (3 wire)	PER5 (5 wire)		PER7 (7 wire)		
			Wire 4/Wire5		Wire 4/Wire5	Wire 6/Wire7
Photocontrol Only (On/Off)	✓	⚠	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture
ROAM	✗	✓	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture
ROAM with Motion	✗	⚠	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture
Futureproof*	✗	⚠	Wired to dimming leads on driver	✓	Wired to dimming leads on driver	Wires Capped inside fixture
Futureproof* with Motion	✗	⚠	Wired to dimming leads on driver	✓	Wired to dimming leads on driver	Wires Capped inside fixture

✓ Recommended

✗ Will not work

⚠ Alternate

\*Futureproof means: Ability to change controls in the future.

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts.

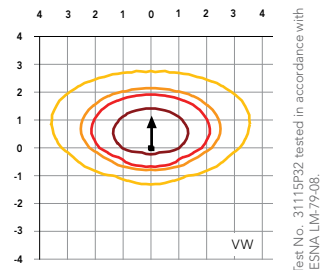
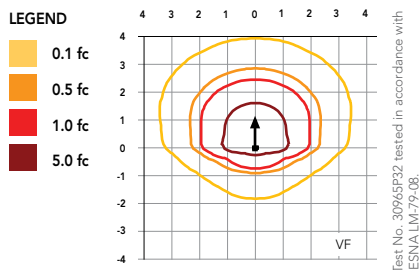
Performance Package	System Watts (MVOLT <sup>1</sup> )	Dist. Type	27K (2700K, 70 CRI)					30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	12W	VF	1,494	0	0	0	125	1,529	0	0	0	127	1,639	0	0	0	137	1,639	0	0	0	137
		VW	1,513	0	0	0	126	1,548	0	0	0	129	1,659	0	0	0	138	1,660	0	0	0	138
P2	25W	VF	3,163	1	0	1	127	3,237	1	0	1	129	3,469	1	0	1	139	3,468	1	0	1	139
		VW	3,201	1	0	0	128	3,276	1	0	0	131	3,512	1	0	0	140	3,512	1	0	0	140
P3	50W	VF	6,025	1	0	1	121	6,165	1	0	1	123	6,609	1	0	1	132	6,607	1	0	1	132
		VW	6,098	1	0	1	122	6,240	1	0	1	125	6,689	1	0	1	134	6,691	1	0	1	134



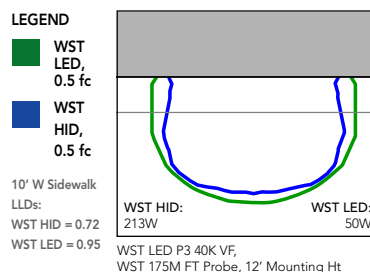
## Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [WST LED homepage](#).

Isofootcandle plots for the WST LED P3 40K VF and VW. Distances are in units of mounting height (10').



Distribution overlay comparison to 175W metal halide.



## FEATURES & SPECIFICATIONS

### INTENDED USE

The classic architectural shape of the WST LED was designed for applications such as hospitals, schools, malls, restaurants, and commercial buildings. The long life LEDs and driver make this luminaire nearly maintenance-free.

### CONSTRUCTION

The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP65 rating for the luminaire.

### FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

### OPTICS

Well crafted reflector optics allow the light engine to be recessed within the luminaire, providing visual comfort, superior distribution, uniformity, and spacing in wall-mount applications. The WST LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

### ELECTRICAL

Light engine(s) consist of 98 high-efficacy LEDs mounted to a metal core circuit board and integral aluminum heat sinks to maximize heat dissipation and promote long life (100,000 hrs at 40°C, L87). Class 2 electronic driver has a power factor >90%, THD <20%. Easily-serviceable surge protection device meets a minimum Category B (per ANSI/IEEE C62.41.2).

### INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections.

### LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP65 rated. PIR and back box options are rated for wet location. Rated for -30°C to 40°C ambient.

DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.

### WARRANTY

5-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

**Note:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.